

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
 Data File : BF143271.D
 Acq On : 30 Jul 2025 16:22
 Operator : RC/JU
 Sample : PB168971BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168971BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/31/2025
 Supervised By :mohammad ahmed 07/31/2025

Quant Time: Jul 30 16:43:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	110955	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	433977	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	229633	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	407884	20.000	ng	0.00
76) Chrysene-d12	14.133	240	252100	20.000	ng	0.01
86) Perylene-d12	15.633	264	223360	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	749966	106.962	ng	0.02
7) Phenol-d6	6.592	99	954260	108.128	ng	0.00
23) Nitrobenzene-d5	7.522	82	652339	74.928	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	305877	128.940	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1220344	72.680	ng	0.00
79) Terphenyl-d14	13.074	244	1284148	75.801	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.910	88	107983	32.548	ng	100
3) Pyridine	3.657	79	293747	34.112	ng	99
4) n-Nitrosodimethylamine	3.604	42	179091	40.281	ng	96
6) Aniline	6.622	93	360015	29.270	ng	# 89
8) 2-Chlorophenol	6.751	128	311447	42.377	ng	97
9) Benzaldehyde	6.510	77	196594	29.707	ng	97
10) Phenol	6.610	94	399386	41.541	ng	84
11) bis(2-Chloroethyl)ether	6.692	93	297654	40.435	ng	99
12) 1,3-Dichlorobenzene	6.904	146	329364	41.253	ng	99
13) 1,4-Dichlorobenzene	6.981	146	333259	41.449	ng	99
14) 1,2-Dichlorobenzene	7.134	146	318527	41.653	ng	100
15) Benzyl Alcohol	7.098	79	294997	43.777	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	535096	39.185	ng	97
17) 2-Methylphenol	7.210	107	260245	42.113	ng	98
18) Hexachloroethane	7.475	117	120447	43.273	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	229920	40.607	ng	99
20) 3+4-Methylphenols	7.363	107	314028	41.884	ng	# 76
22) Acetophenone	7.369	105	421349	41.009	ng	# 97
24) Nitrobenzene	7.539	77	346666	42.709	ng	99
25) Isophorone	7.781	82	633987	41.250	ng	98
26) 2-Nitrophenol	7.857	139	169188	48.028	ng	99
27) 2,4-Dimethylphenol	7.892	122	292468	40.730	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	377136	40.927	ng	99
29) 2,4-Dichlorophenol	8.098	162	262205	43.299	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	276608	42.281	ng	99
31) Naphthalene	8.263	128	895946	41.920	ng	100
32) Benzoic acid	8.010	122	172605	43.247	ng	99
33) 4-Chloroaniline	8.304	127	188358	21.583	ng	100
34) Hexachlorobutadiene	8.386	225	170235	42.596	ng	99
35) Caprolactam	8.681	113	89151m	48.719	ng	
36) 4-Chloro-3-methylphenol	8.792	107	289254	43.947	ng	98
37) 2-Methylnaphthalene	8.957	142	552386	42.473	ng	100
38) 1-Methylnaphthalene	9.057	142	570488	42.597	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	276636	41.726	ng	99
41) Hexachlorocyclopentadiene	9.116	237	340771	78.996	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	192511	41.956	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	205487	44.771	ng	98
46) 1,1'-Biphenyl	9.422	154	758765	42.351	ng	99
47) 2-Chloronaphthalene	9.445	162	554925	41.861	ng	99
48) 2-Nitroaniline	9.533	65	196618	47.296	ng	99
49) Acenaphthylene	9.863	152	946833	42.620	ng	100
50) Dimethylphthalate	9.716	163	671368	44.853	ng	100
51) 2,6-Dinitrotoluene	9.775	165	148794	48.866	ng	99
52) Acenaphthene	10.039	154	624989	47.598	ng	99
53) 3-Nitroaniline	9.945	138	113421	31.846	ng	100
54) 2,4-Dinitrophenol	10.057	184	159701	112.746	ng	# 1
55) Dibenzofuran	10.210	168	820871	42.107	ng	99
56) 4-Nitrophenol	10.110	139	246829	92.807	ng	98
57) 2,4-Dinitrotoluene	10.186	165	202868	53.104	ng	94
58) Fluorene	10.551	166	640925	43.805	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	175383	46.130	ng	99
60) Diethylphthalate	10.422	149	676727	45.742	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	317005	43.512	ng	99
62) 4-Nitroaniline	10.563	138	155962	51.094	ng	94
63) Azobenzene	10.698	77	663535	43.033	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	108295	50.348	ng	99
66) n-Nitrosodiphenylamine	10.657	169	577533	40.210	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	202276	41.613	ng	97
68) Hexachlorobenzene	11.104	284	210766	41.484	ng	99
69) Atrazine	11.180	200	189565	47.874	ng	99
70) Pentachlorophenol	11.298	266	256885	85.977	ng	99
71) Phenanthrene	11.516	178	921087	42.530	ng	100
72) Anthracene	11.569	178	931236	42.160	ng	100
73) Carbazole	11.716	167	858650	44.519	ng	99
74) Di-n-butylphthalate	12.045	149	1035670	47.457	ng	100
75) Fluoranthene	12.704	202	957182	48.151	ng	99
77) Benzidine	12.816	184	317193	32.657	ng	98
78) Pyrene	12.933	202	949653	44.138	ng	100
80) Butylbenzylphthalate	13.539	149	373061	56.625	ng	100
81) Benzo(a)anthracene	14.121	228	745315	44.159	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	145029	25.782	ng	99
83) Chrysene	14.157	228	657731	43.343	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	478245	47.959	ng	98
85) Di-n-octyl phthalate	14.715	149	742465	41.075	ng	98
87) Indeno(1,2,3-cd)pyrene	17.186	276	686196	43.568	ng	97
88) Benzo(b)fluoranthene	15.192	252	611193	44.792	ng	99
89) Benzo(k)fluoranthene	15.221	252	608953	50.011	ng	99
90) Benzo(a)pyrene	15.574	252	582015	46.294	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	560266	43.705	ng	99
92) Benzo(g,h,i)perylene	17.651	276	541871	43.697	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

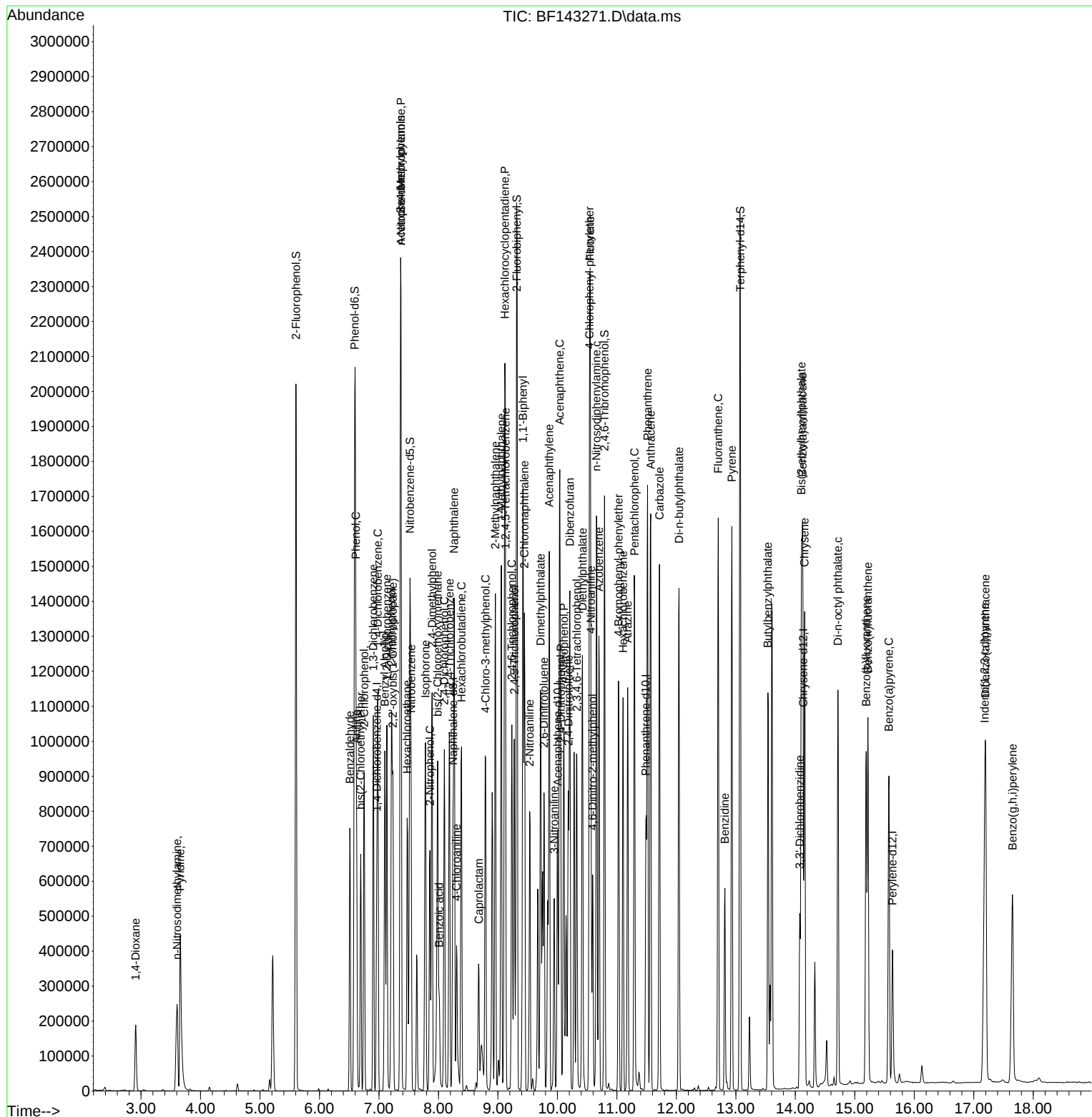
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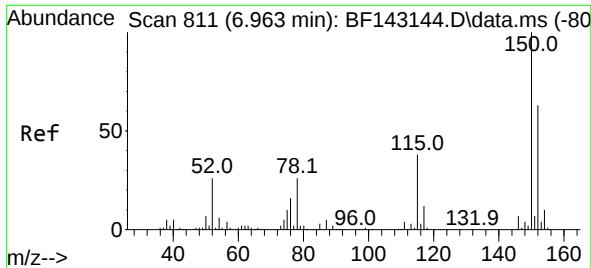
Instrument :
 BNA_F
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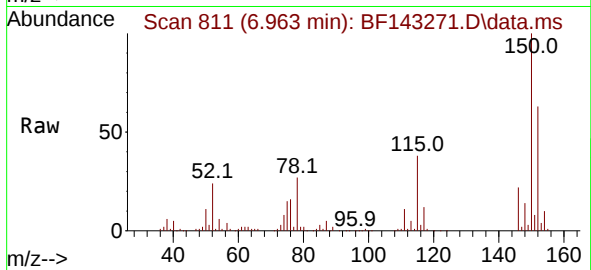
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

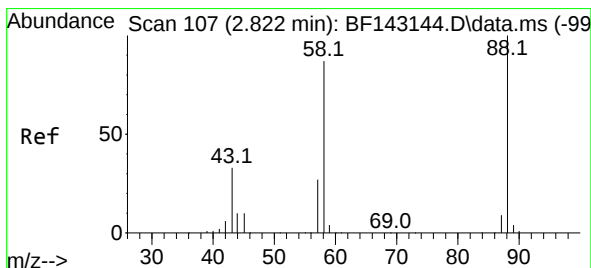
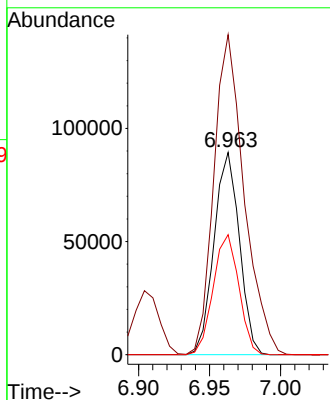
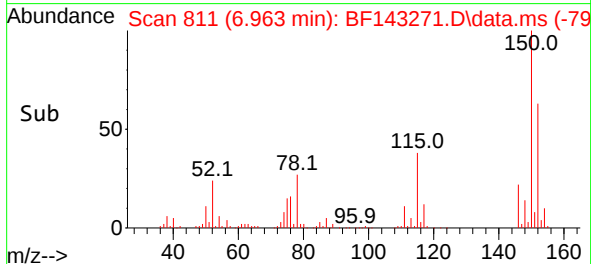
Instrument :
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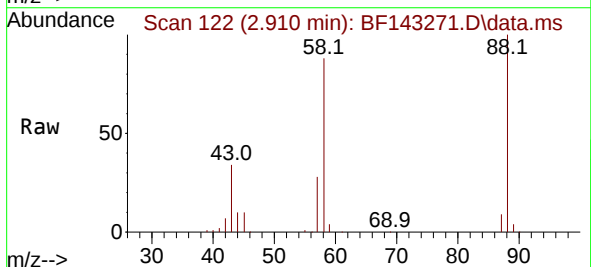
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Ion Ratio Lower Upper
152 100
150 158.2 128.2 192.4
115 59.3 47.9 71.9

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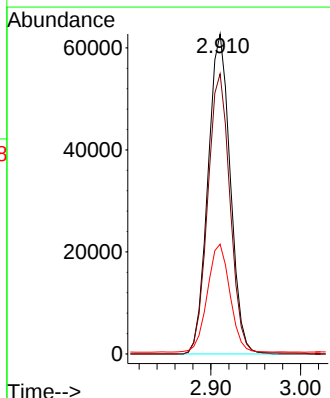
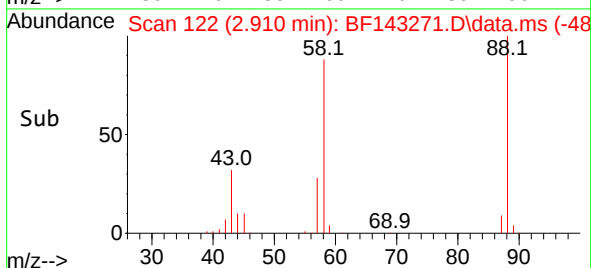
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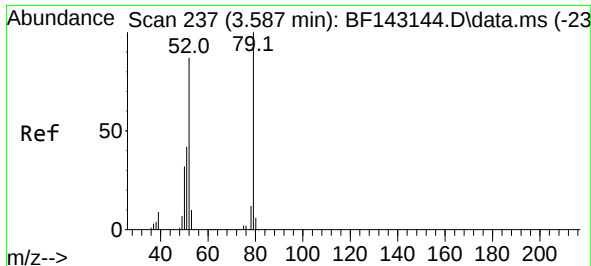


#2
1,4-Dioxane
Concen: 32.548 ng
RT: 2.910 min Scan# 122
Delta R.T. 0.088 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



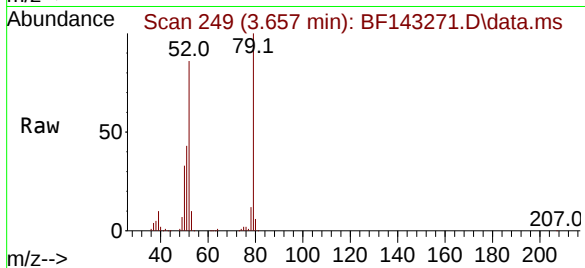
Tgt Ion: 88 Resp: 107983
Ion Ratio Lower Upper
88 100
58 88.1 70.2 105.2
43 34.2 27.1 40.7





#3
Pyridine
Concen: 34.112 ng
RT: 3.657 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

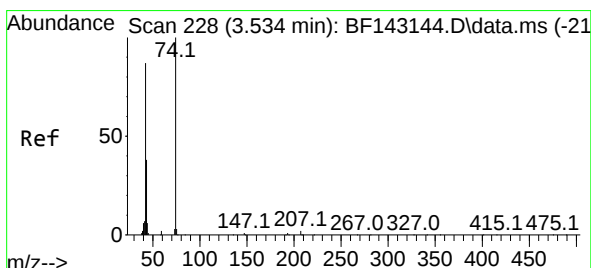
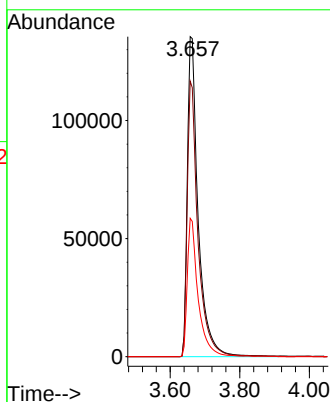
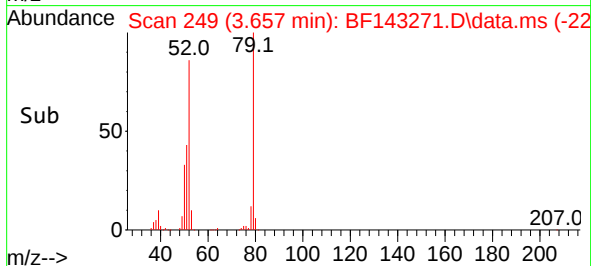
Instrument :
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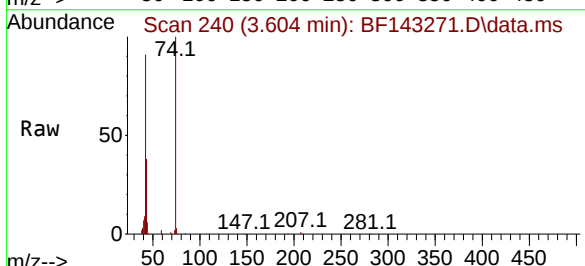
Tgt Ion: 79 Resp: 29374
Ion Ratio Lower Upper
79 100
52 86.1 69.4 104.2
51 43.3 33.5 50.3

Manual Integrations
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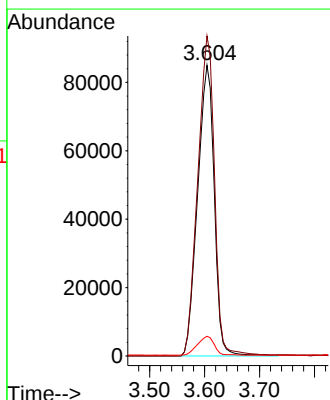
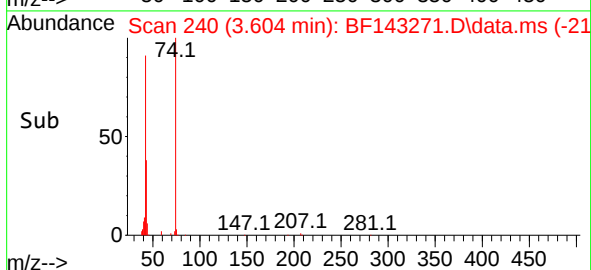
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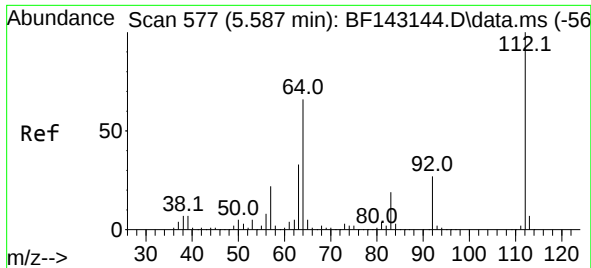


#4
n-Nitrosodimethylamine
Concen: 40.281 ng
RT: 3.604 min Scan# 240
Delta R.T. 0.071 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion: 42 Resp: 179091
Ion Ratio Lower Upper
42 100
74 110.1 91.7 137.5
44 6.8 5.6 8.4





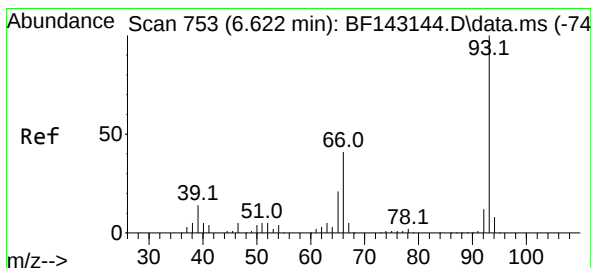
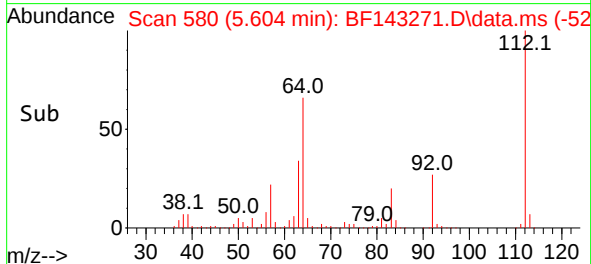
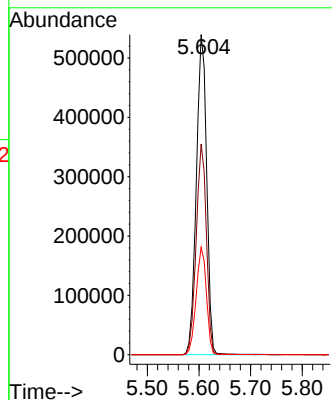
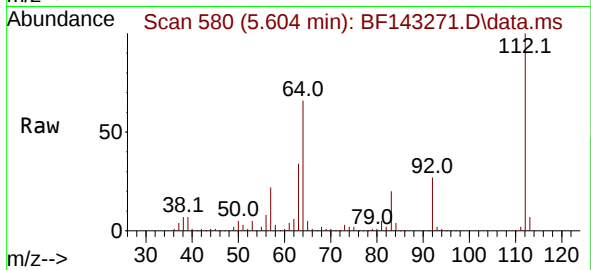
#5
2-Fluorophenol
Concen: 106.962 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 749960
Ion Ratio Lower Upper
112 100
64 65.8 53.1 79.7
63 33.6 26.6 40.0

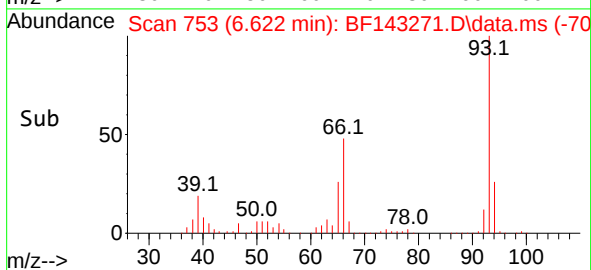
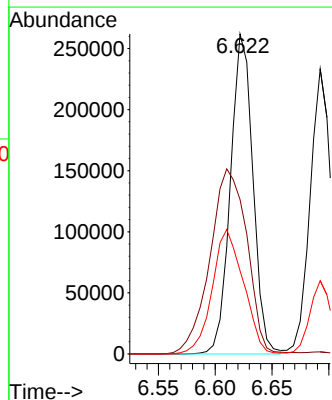
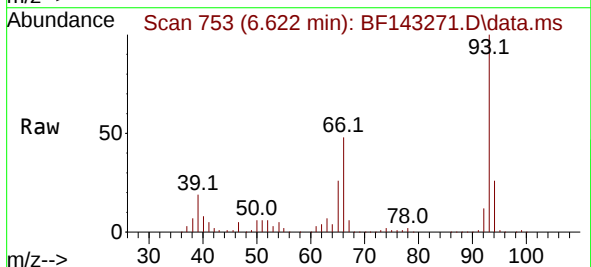
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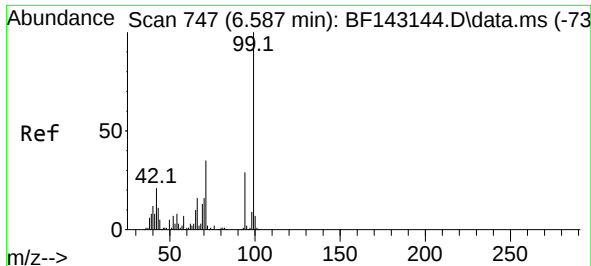
Reviewed By :Rahul Chavli 07/31/2025
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#6
Aniline
Concen: 29.270 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

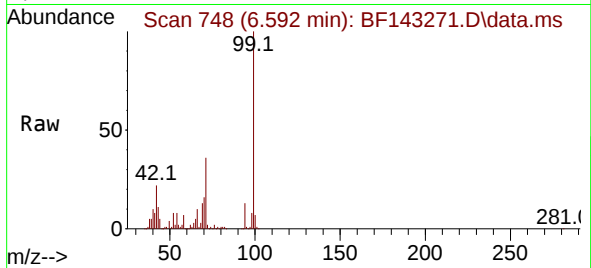
Tgt Ion: 93 Resp: 360015
Ion Ratio Lower Upper
93 100
66 48.3 33.2 49.8
65 26.0 16.9 25.3





#7
Phenol-d6
Concen: 108.128 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

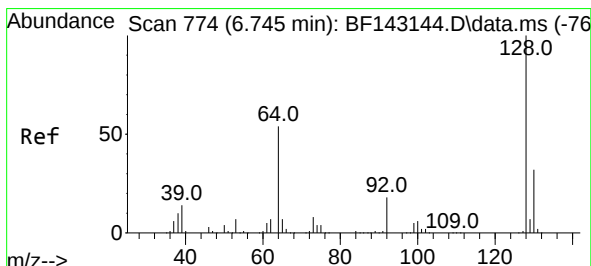
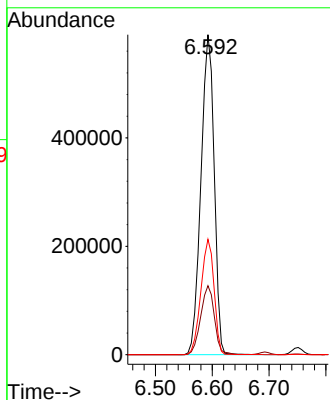
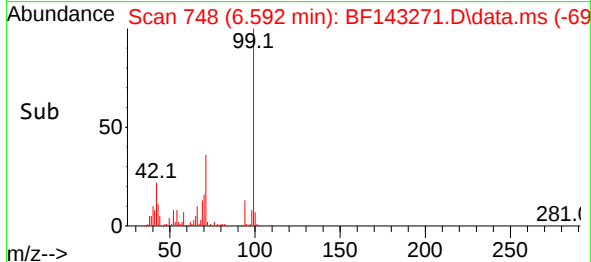
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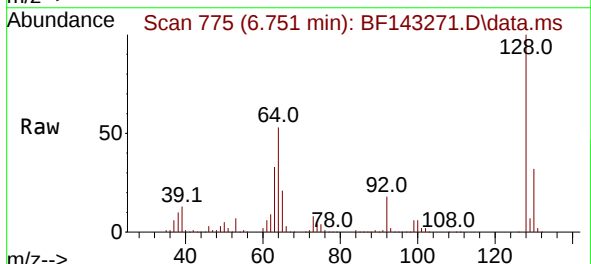
Tgt Ion: 99 Resp: 954260
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 36.0 27.7 41.5

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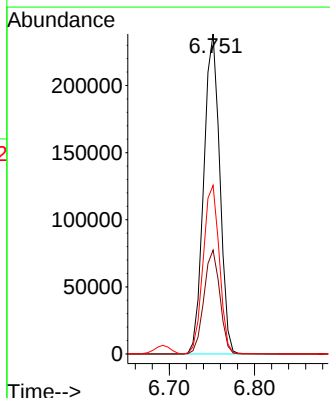
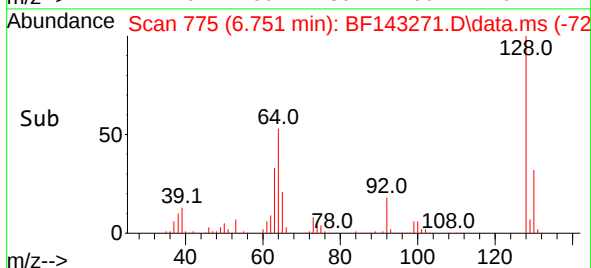
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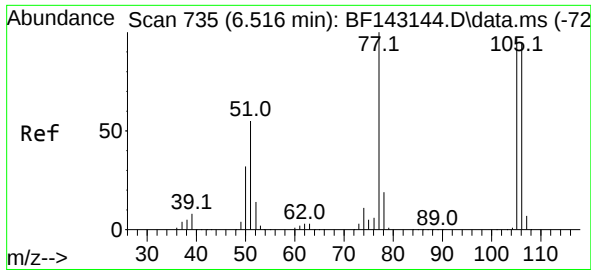


#8
2-Chlorophenol
Concen: 42.377 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:128 Resp: 311447
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 52.7 35.9 75.9





#9
Benzaldehyde
Concen: 29.707 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143271.D
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Instrument :

BNA_F

ClientSampleId :

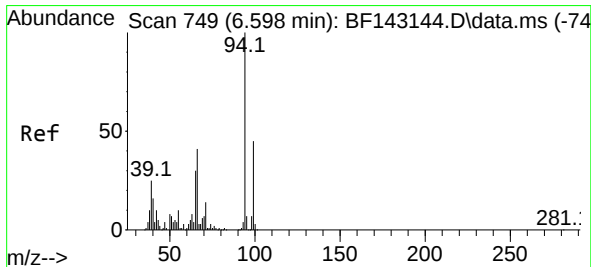
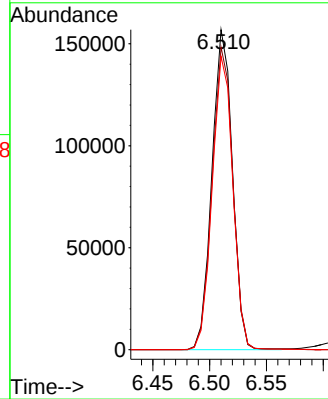
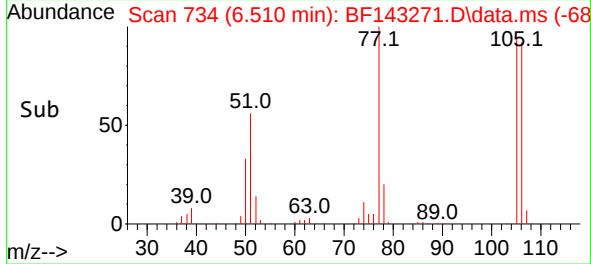
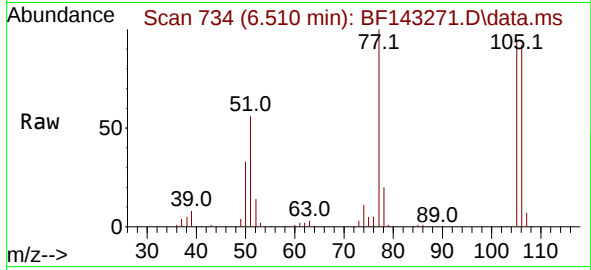
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Tgt Ion: 77 Resp: 196594
Ion Ratio Lower Upper
77 100
105 94.6 76.8 116.8
106 91.6 74.4 114.4

Manual Integrations

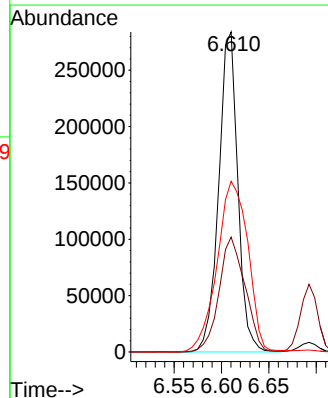
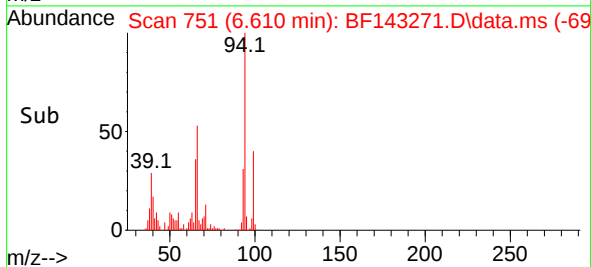
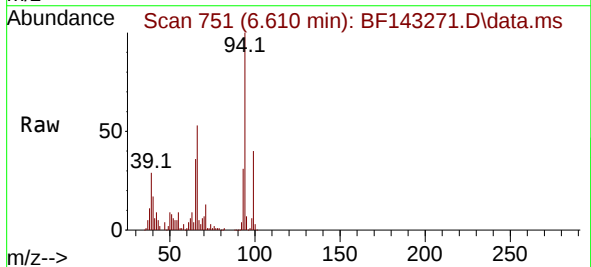
APPROVED

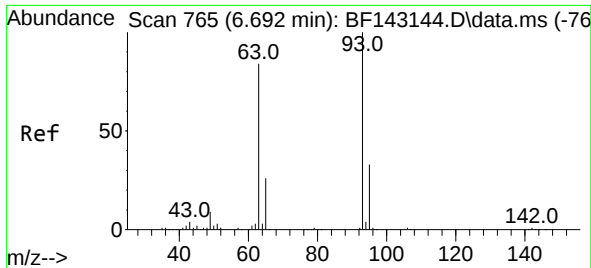
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#10
Phenol
Concen: 41.541 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion: 94 Resp: 399386
Ion Ratio Lower Upper
94 100
65 35.9 10.0 50.0
66 53.4 20.8 60.8





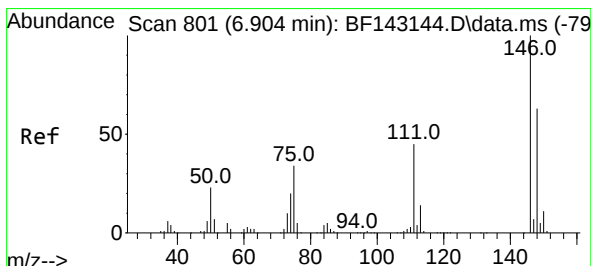
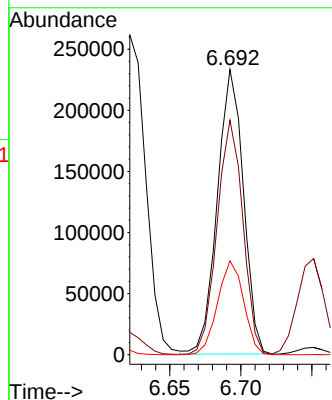
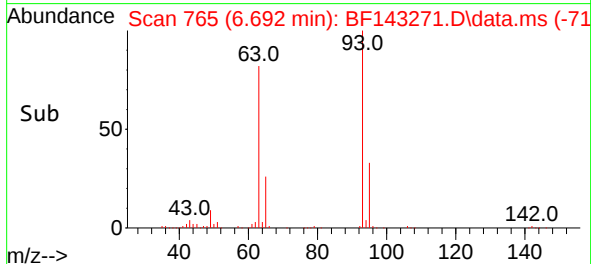
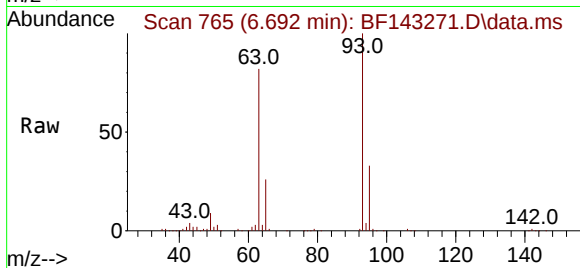
#11
bis(2-Chloroethyl)ether
Concen: 40.435 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :
BNA_F
ClientSampleId :
PB168971BS

Tgt Ion: 93 Resp: 297654
Ion Ratio Lower Upper
93 100
63 82.2 63.4 103.4
95 32.9 12.4 52.4

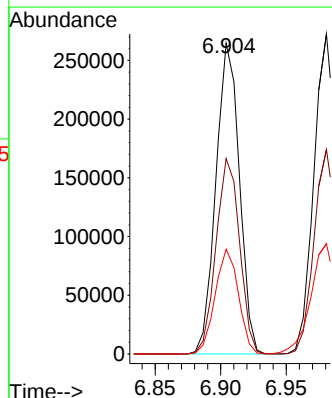
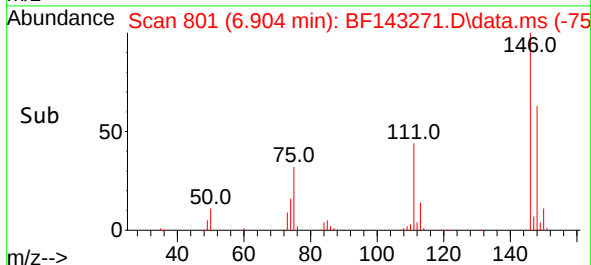
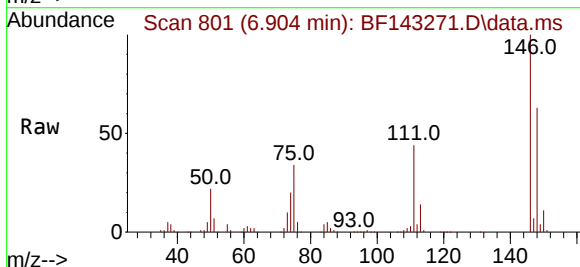
Manual Integrations
APPROVED

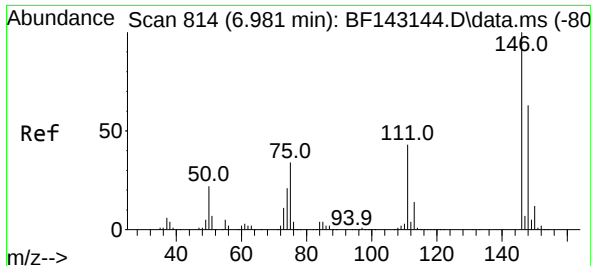
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#12
1,3-Dichlorobenzene
Concen: 41.253 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:146 Resp: 329364
Ion Ratio Lower Upper
146 100
148 62.9 50.6 76.0
75 33.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 41.449 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

Tgt Ion:146 Resp: 333259

Ion Ratio Lower Upper

146 100

148 63.9 50.3 75.5

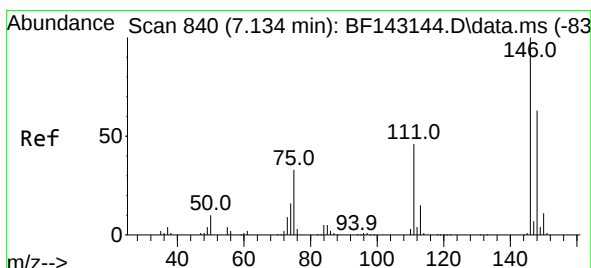
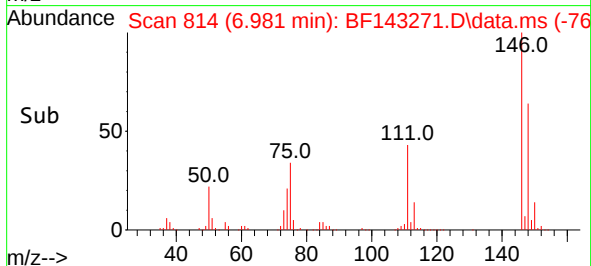
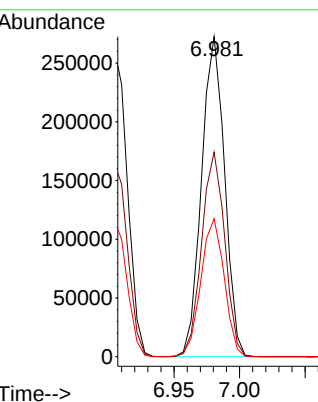
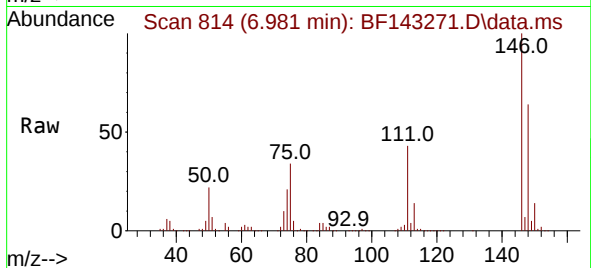
111 43.1 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#14

1,2-Dichlorobenzene

Concen: 41.653 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

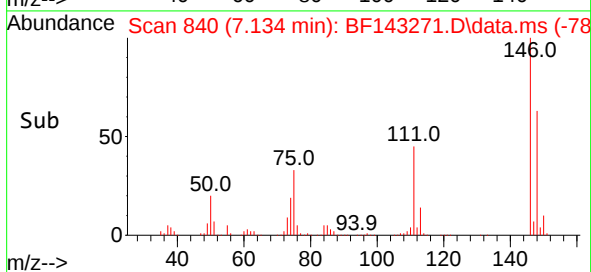
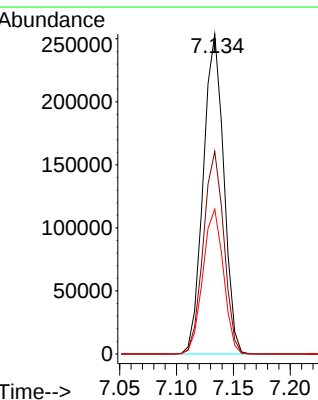
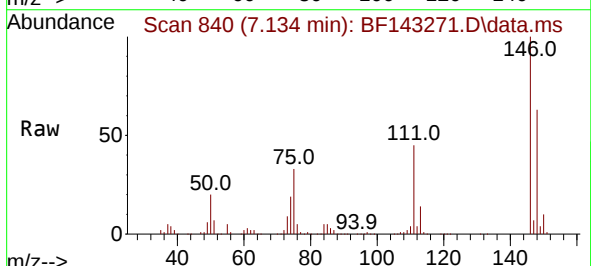
Tgt Ion:146 Resp: 318527

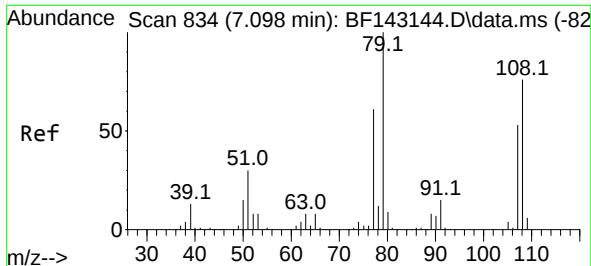
Ion Ratio Lower Upper

146 100

148 63.3 50.7 76.1

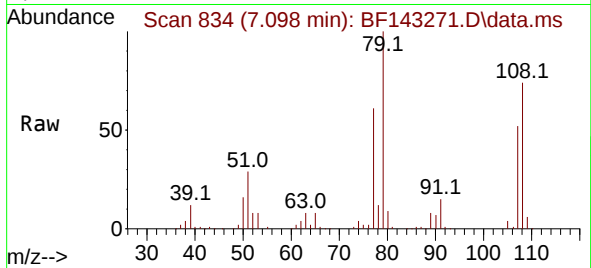
111 45.2 36.6 54.8





#15
Benzyl Alcohol
Concen: 43.777 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

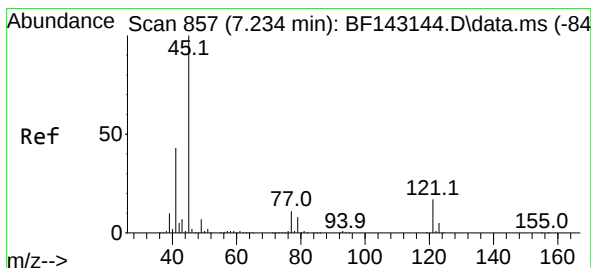
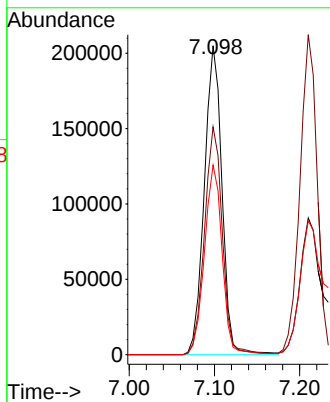
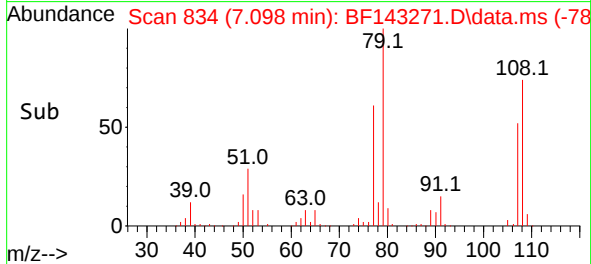
Instrument :
BNA_F
ClientSampleId :
PB168971BS



Tgt Ion: 79 Resp: 29499
Ion Ratio Lower Upper
79 100
108 73.8 61.1 91.7
77 61.4 48.9 73.3

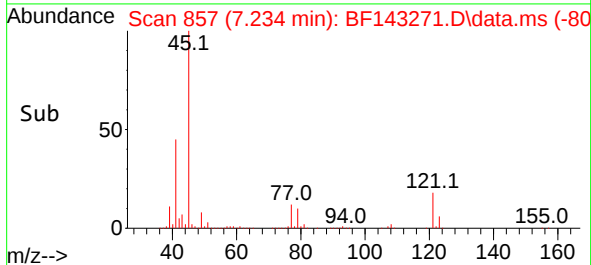
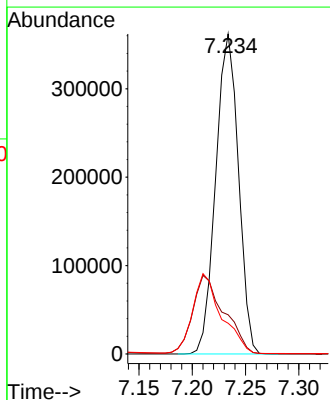
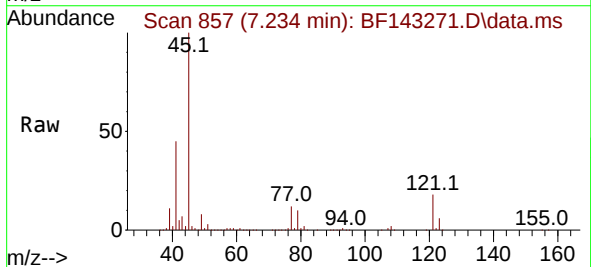
Manual Integrations
APPROVED

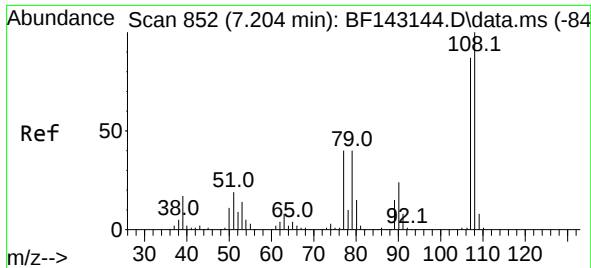
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.185 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion: 45 Resp: 535096
Ion Ratio Lower Upper
45 100
77 12.2 0.0 31.2
79 9.6 0.0 28.5





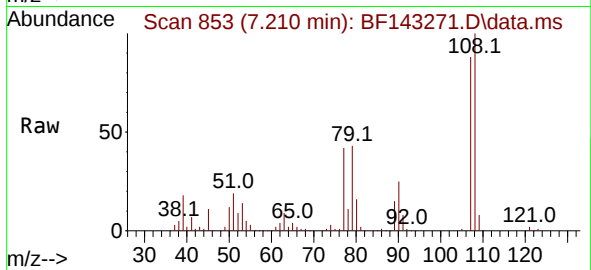
#17
2-Methylphenol
Concen: 42.113 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

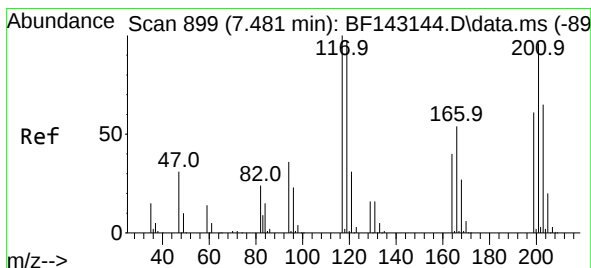
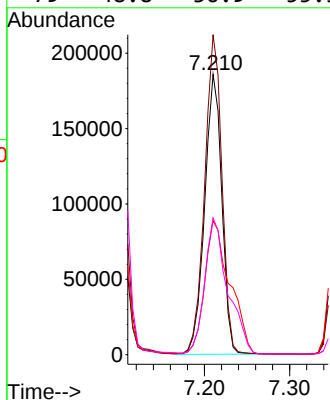
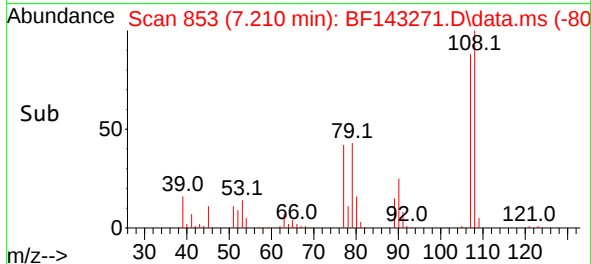


Tgt Ion:107 Resp: 260245
Ion Ratio Lower Upper
107 100
108 114.2 91.8 137.6
77 47.8 37.0 55.6
79 48.8 36.9 55.3

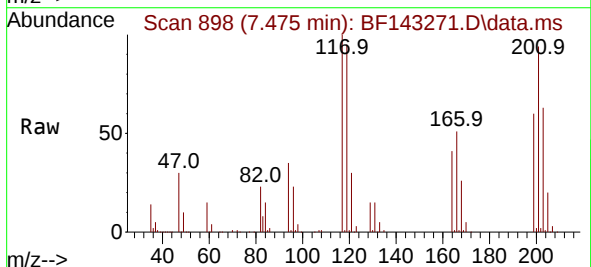
Manual Integrations

APPROVED

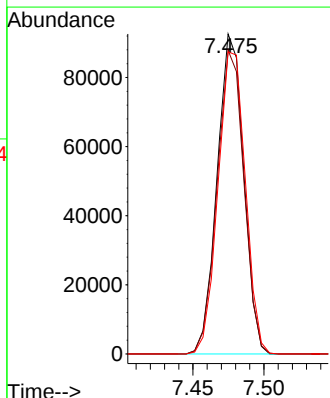
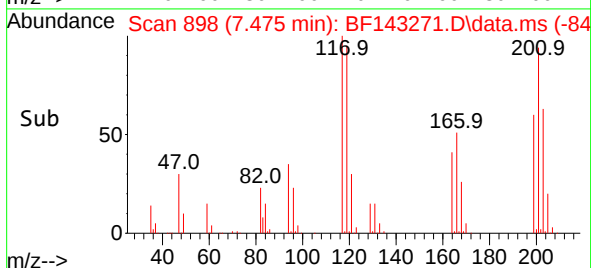
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

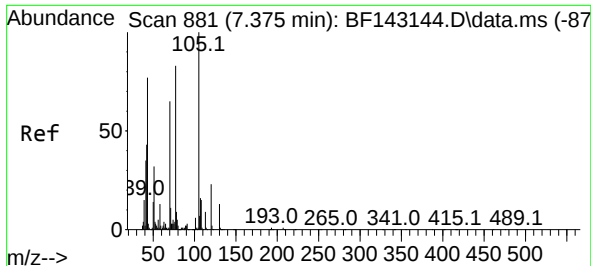


#18
Hexachloroethane
Concen: 43.273 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



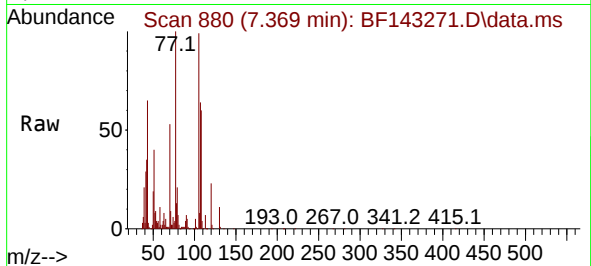
Tgt Ion:117 Resp: 120447
Ion Ratio Lower Upper
117 100
119 94.9 77.8 116.8
201 94.4 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 40.607 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

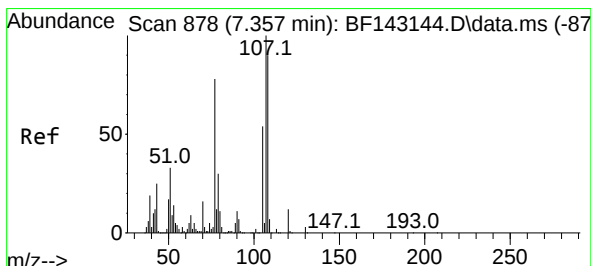
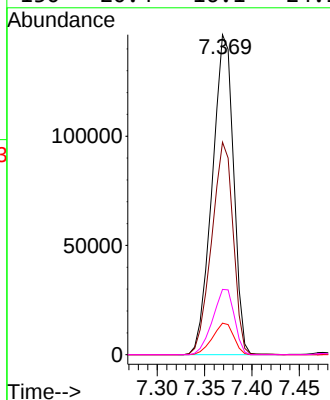
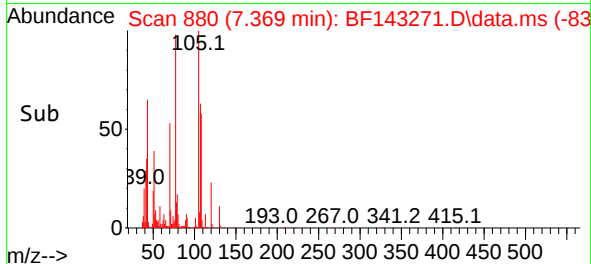
Instrument :
BNA_F
ClientSampleId :
PB168971BS



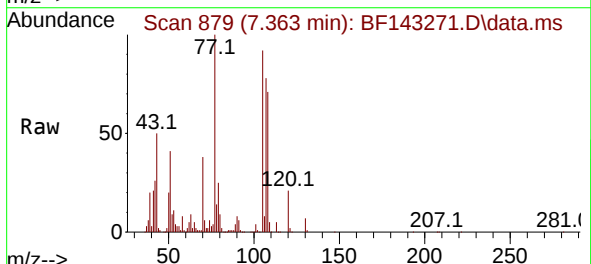
Tgt Ion: 70 Resp: 229920
Ion Ratio Lower Upper
70 100
42 66.4 52.5 78.7
101 9.9 7.6 11.4
130 20.4 16.1 24.1

Manual Integrations
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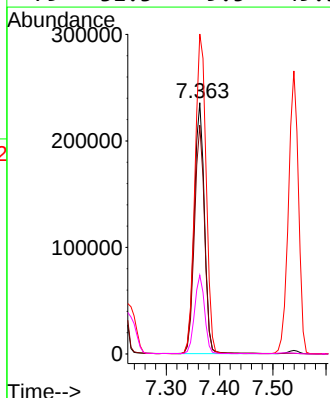
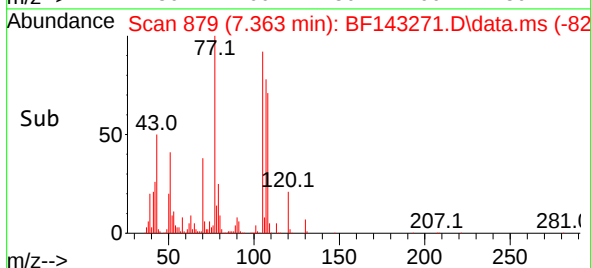
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

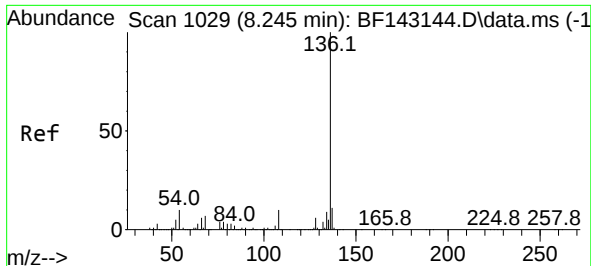


#20
3+4-Methylphenols
Concen: 41.884 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:107 Resp: 314028
Ion Ratio Lower Upper
107 100
108 91.0 70.0 110.0
77 127.4 57.8 97.8#
79 31.3 9.5 49.5





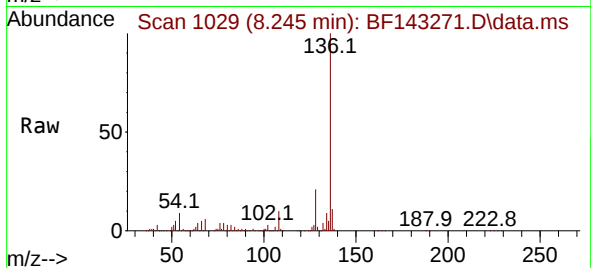
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS



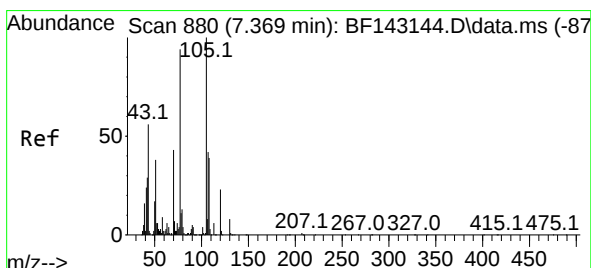
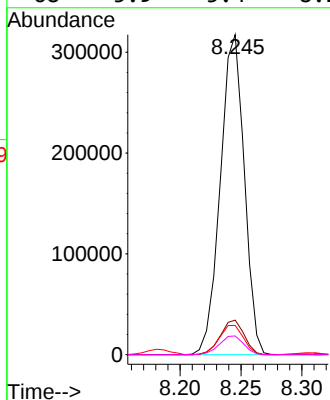
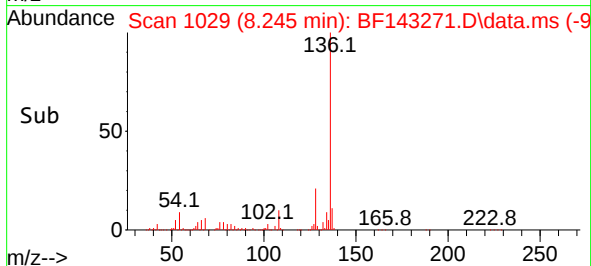
Tgt Ion:136 Resp: 43397
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.2 8.2 12.2
68 5.9 5.4 8.2

Manual Integrations

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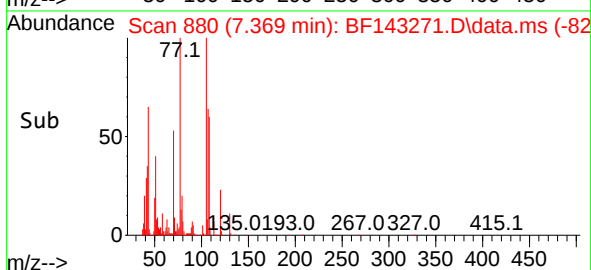
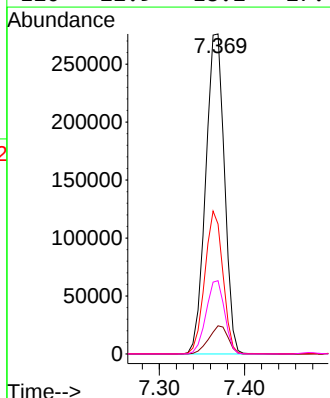
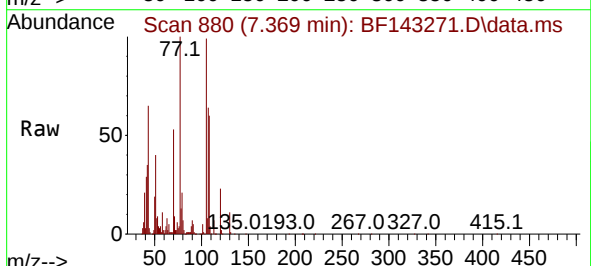
Reviewed By :Rahul Chavli 07/31/2025

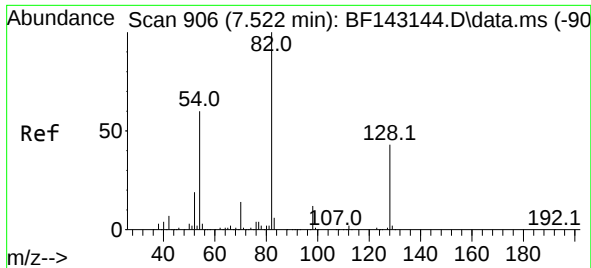
Supervised By :mohammad ahmed 07/31/2025



#22
Acetophenone
Concen: 41.009 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:105 Resp: 421349
Ion Ratio Lower Upper
105 100
71 8.8 5.8 8.6#
51 40.6 30.2 45.2
120 22.9 18.2 27.4





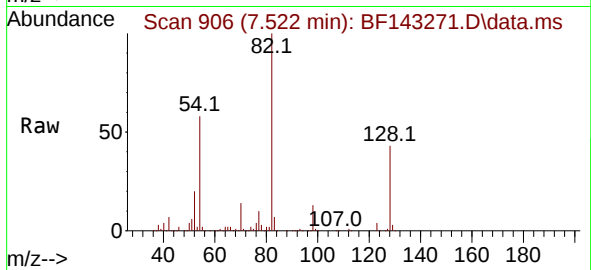
#23
Nitrobenzene-d5
Concen: 74.928 ng
RT: 7.522 min Scan# 909
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

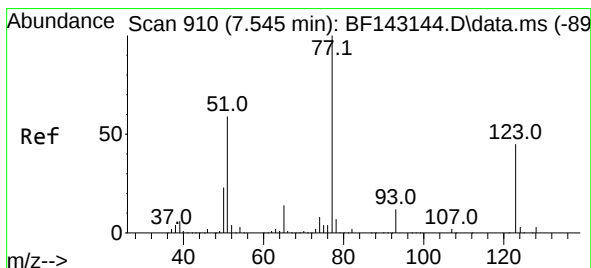
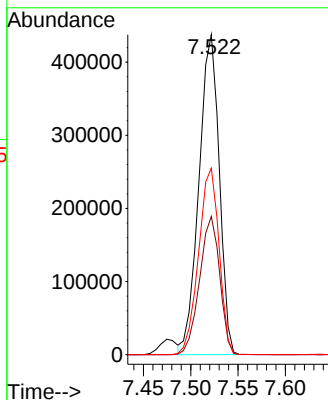
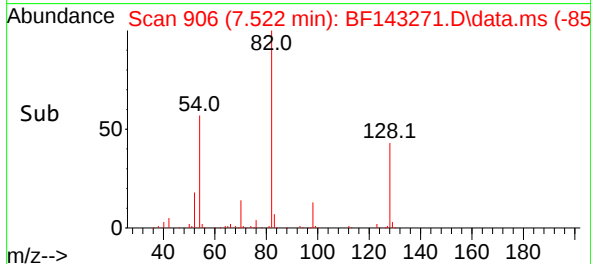
PB168971BS



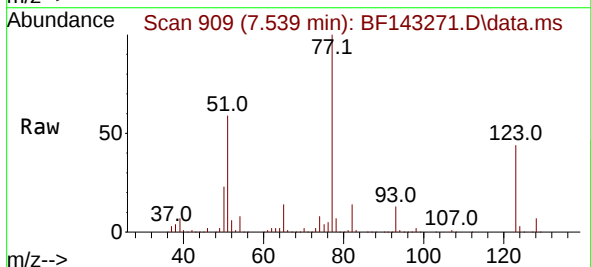
Tgt Ion: 82 Resp: 652339
Ion Ratio Lower Upper
82 100
128 43.2 33.6 50.4
54 58.3 47.1 70.7

Manual Integrations
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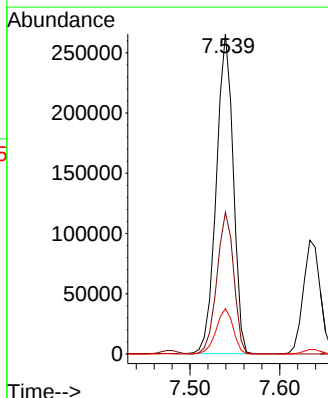
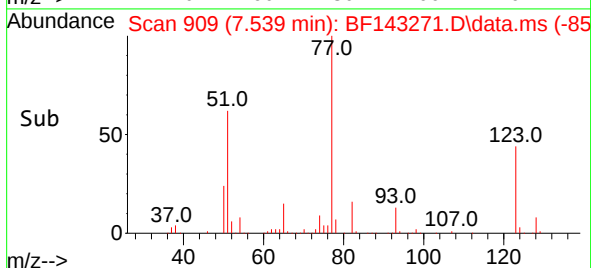
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

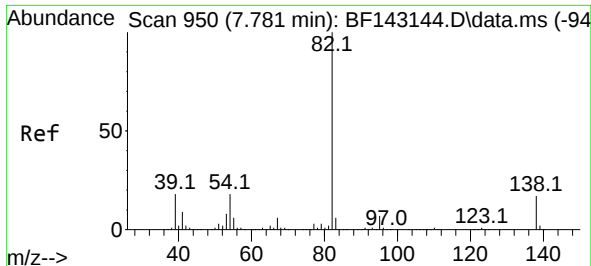


#24
Nitrobenzene
Concen: 42.709 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



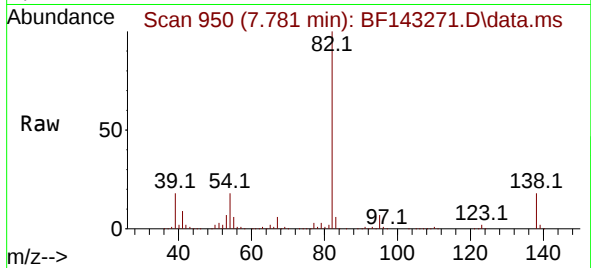
Tgt Ion: 77 Resp: 346666
Ion Ratio Lower Upper
77 100
123 44.3 36.1 54.1
65 14.2 11.4 17.2





#25
Isophorone
Concen: 41.250 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

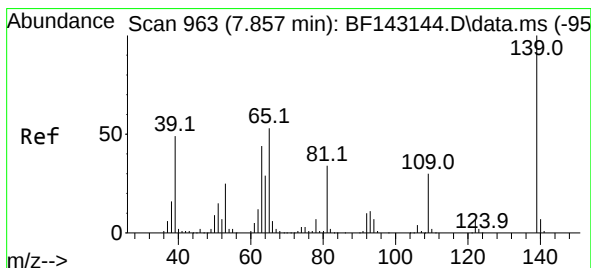
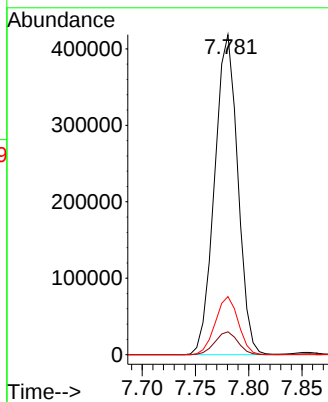
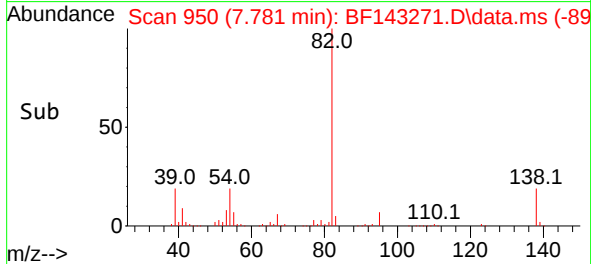
Instrument :
BNA_F
ClientSampleId :
PB168971BS



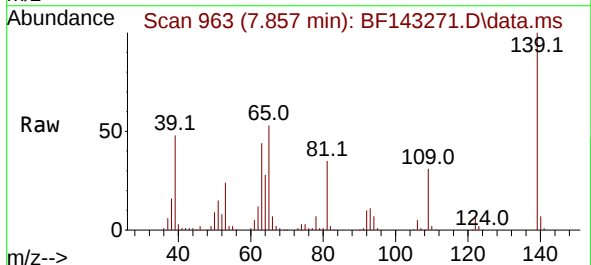
Tgt Ion: 82 Resp: 63398
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 18.1 13.8 20.8

Manual Integrations
APPROVED

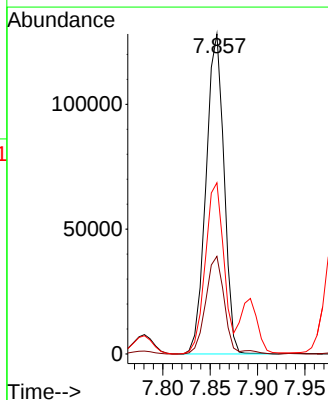
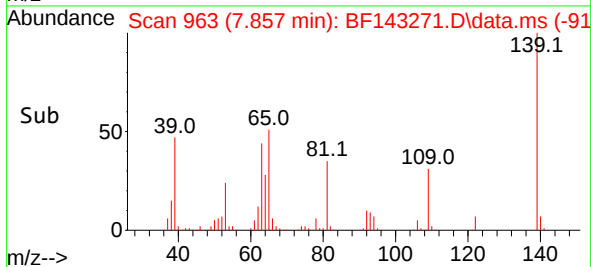
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

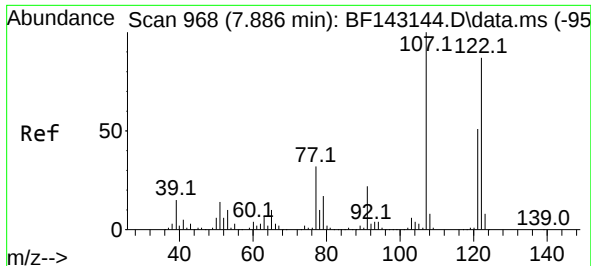


#26
2-Nitrophenol
Concen: 48.028 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:139 Resp: 169188
Ion Ratio Lower Upper
139 100
109 30.5 23.6 35.4
65 53.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 40.730 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

Tgt Ion:122 Resp: 292468

Ion Ratio Lower Upper

122 100

107 116.0 91.8 137.6

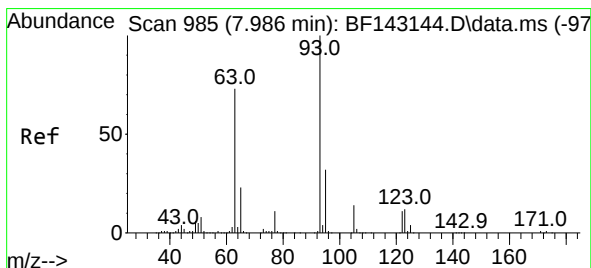
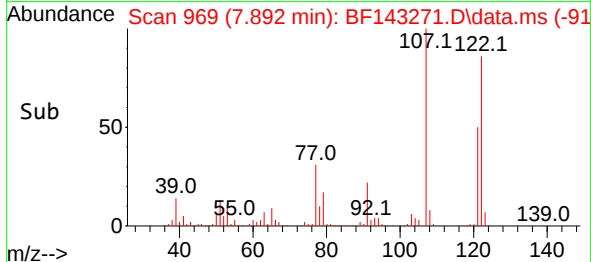
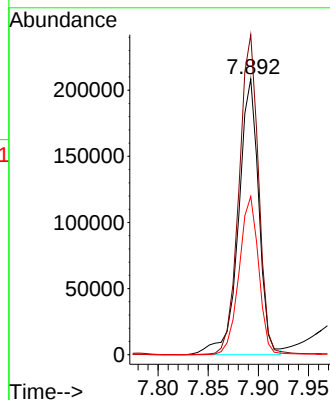
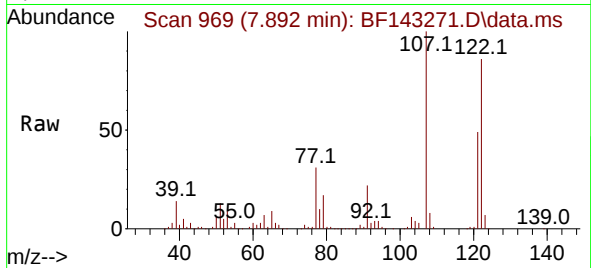
121 57.4 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.927 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

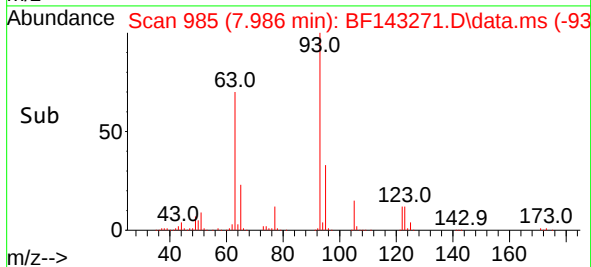
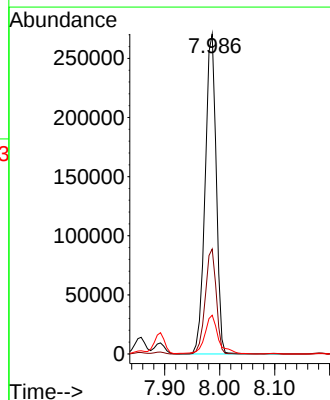
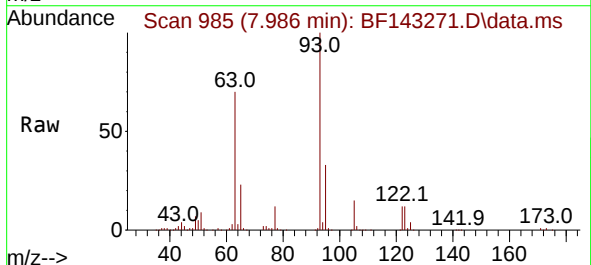
Tgt Ion: 93 Resp: 377136

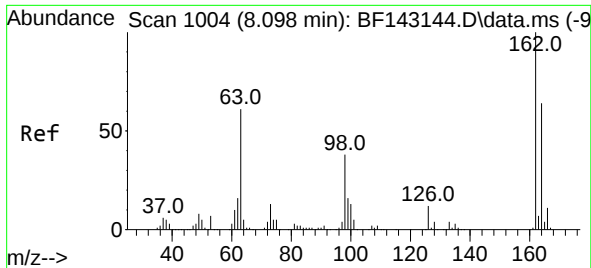
Ion Ratio Lower Upper

93 100

95 32.8 25.8 38.6

123 12.1 9.7 14.5





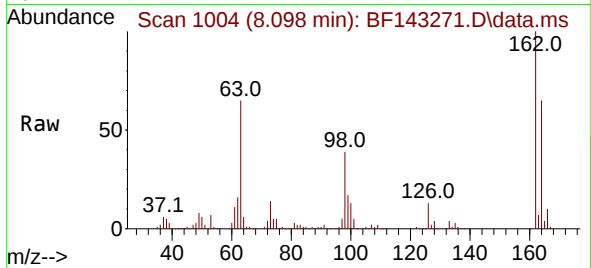
#29
2,4-Dichlorophenol
Concen: 43.299 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

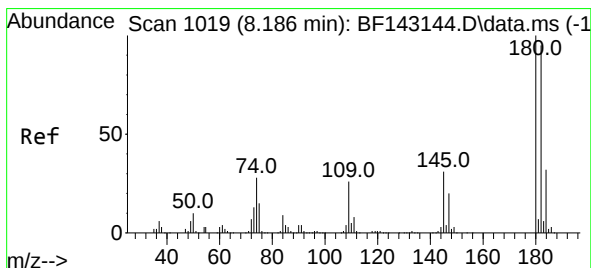
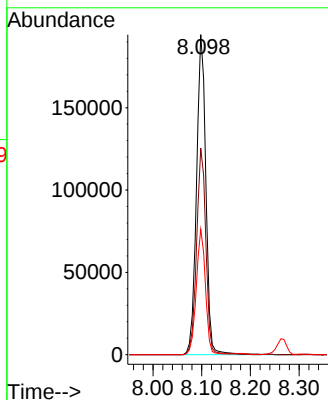
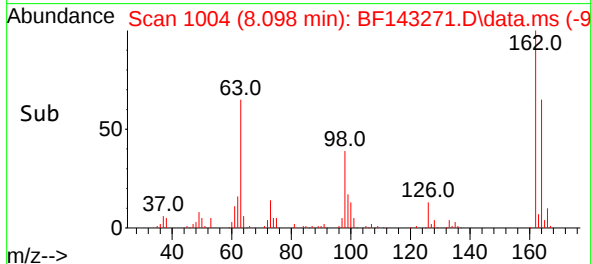


Tgt Ion:162 Resp: 262208
Ion Ratio Lower Upper
162 100
164 64.5 44.2 84.2
98 39.2 17.9 57.9

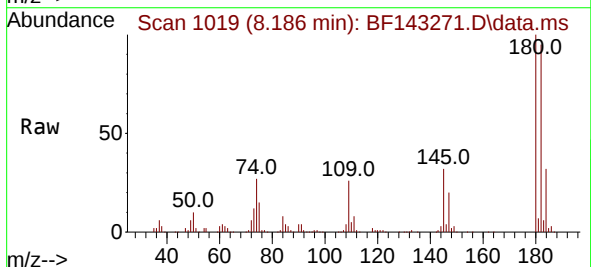
Manual Integrations

APPROVED

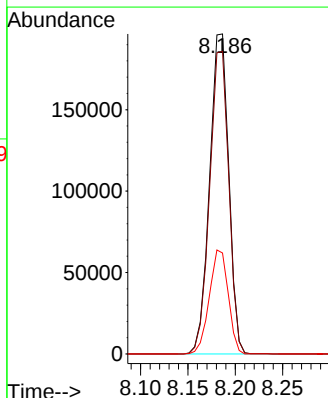
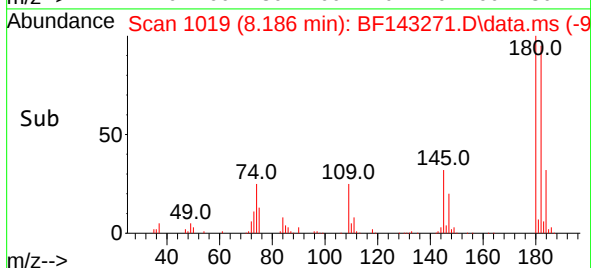
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

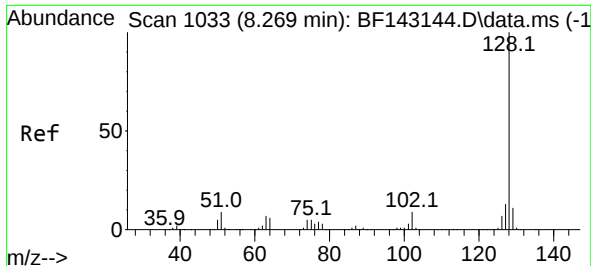


#30
1,2,4-Trichlorobenzene
Concen: 42.281 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:180 Resp: 276608
Ion Ratio Lower Upper
180 100
182 94.6 76.2 114.2
145 31.5 25.0 37.6





#31
Naphthalene
Concen: 41.920 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

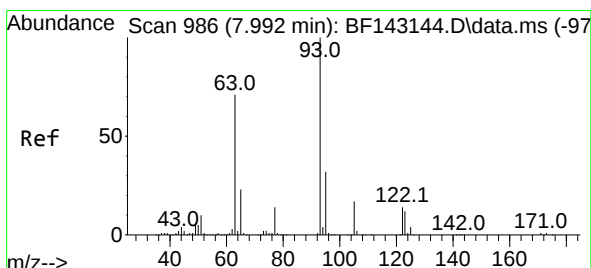
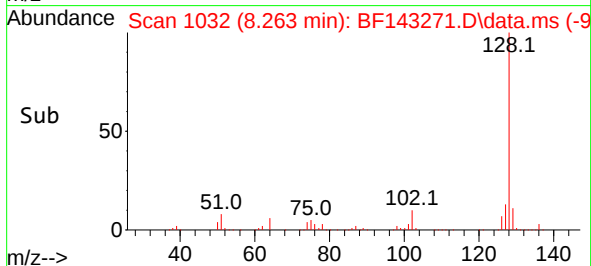
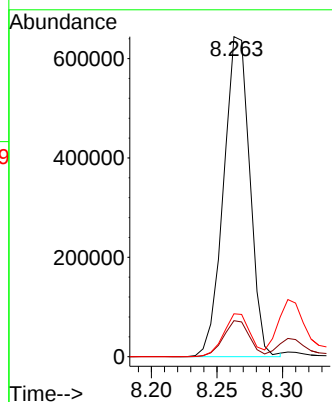
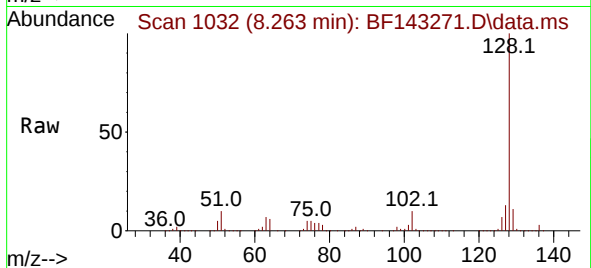
PB168971BS

Tgt Ion:128 Resp: 895940
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.4 10.6 16.0

Manual Integrations

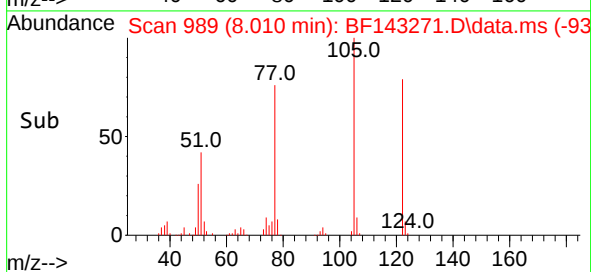
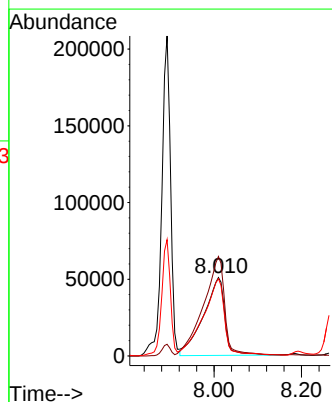
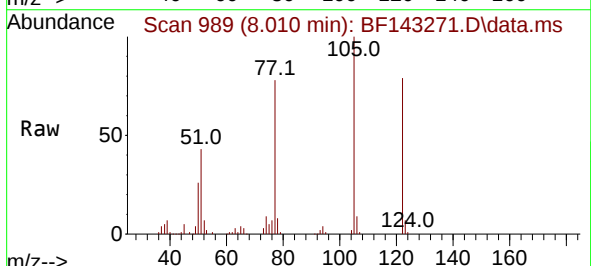
APPROVED

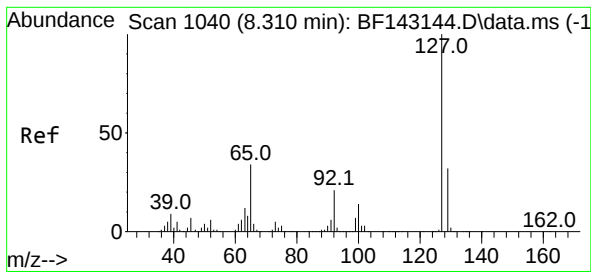
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#32
Benzoic acid
Concen: 43.247 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:122 Resp: 172605
Ion Ratio Lower Upper
122 100
105 126.9 104.8 144.8
77 98.6 77.6 117.6





#33
4-Chloroaniline
Concen: 21.583 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

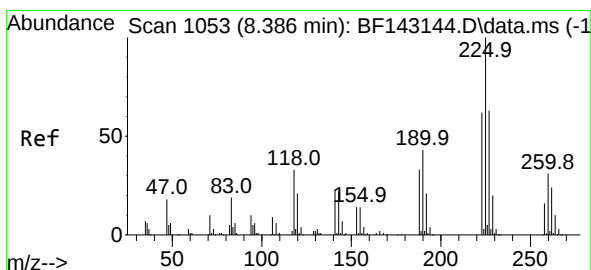
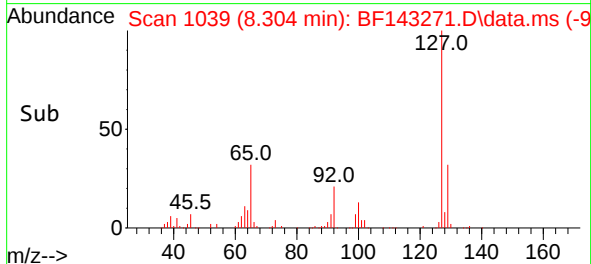
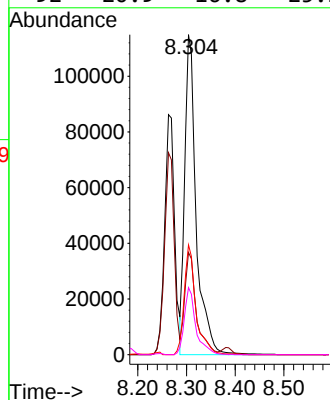
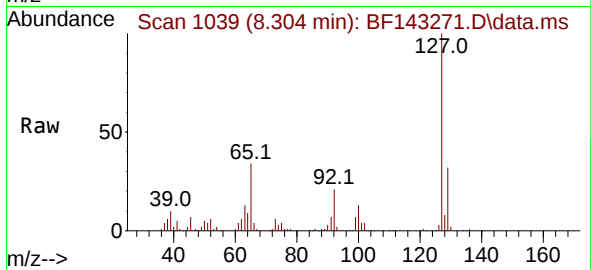
PB168971BS

Tgt Ion:127 Resp: 18835
Ion Ratio Lower Upper
127 100
129 32.0 26.0 39.0
65 34.3 27.4 41.2
92 20.9 16.8 25.2

Manual Integrations

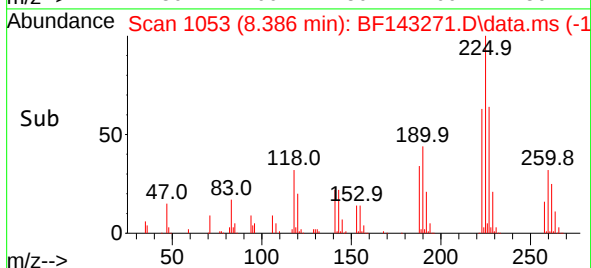
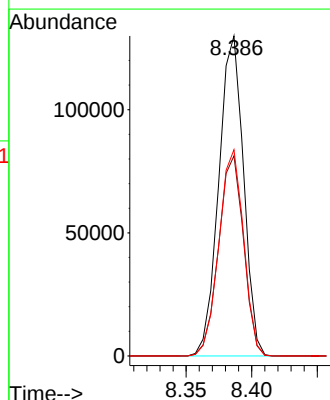
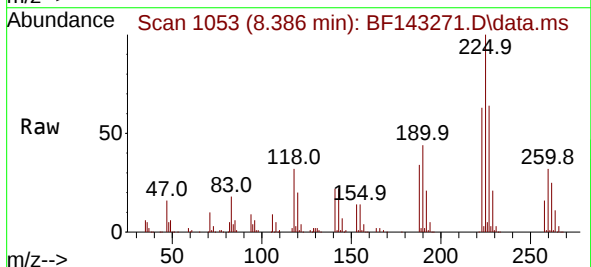
APPROVED

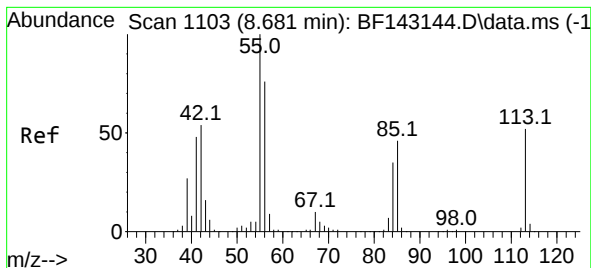
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#34
Hexachlorobutadiene
Concen: 42.596 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:225 Resp: 170235
Ion Ratio Lower Upper
225 100
223 62.6 49.8 74.6
227 64.5 50.2 75.4





#35

Caprolactam

Concen: 48.719 ng m

RT: 8.681 min Scan# 1103

Delta R.T. -0.000 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

Tgt Ion:113 Resp: 8915

Ion Ratio Lower Upper

113 100

55 190.5 174.0 214.0

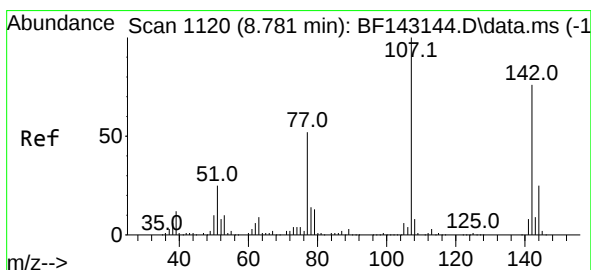
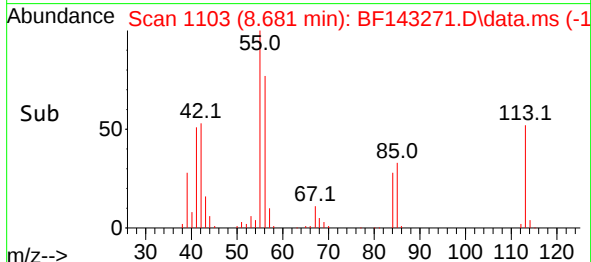
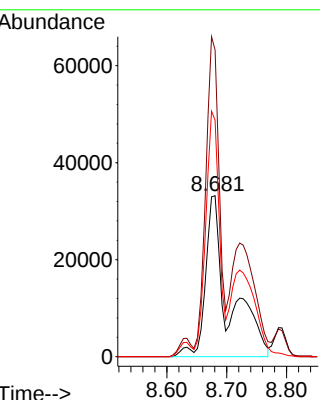
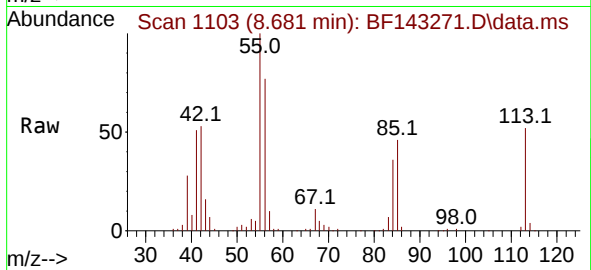
56 146.9 126.6 166.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#36

4-Chloro-3-methylphenol

Concen: 43.947 ng

RT: 8.792 min Scan# 1122

Delta R.T. 0.012 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

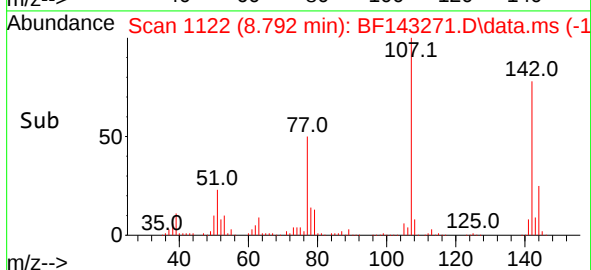
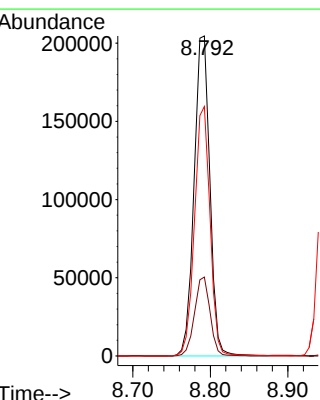
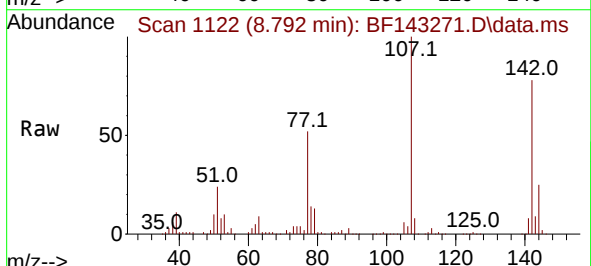
Tgt Ion:107 Resp: 289254

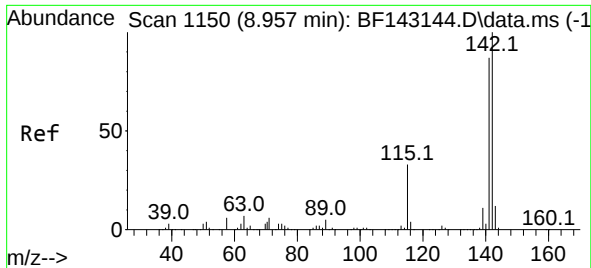
Ion Ratio Lower Upper

107 100

144 24.7 19.8 29.6

142 77.9 60.6 90.8





#37
2-Methylnaphthalene
Concen: 42.473 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

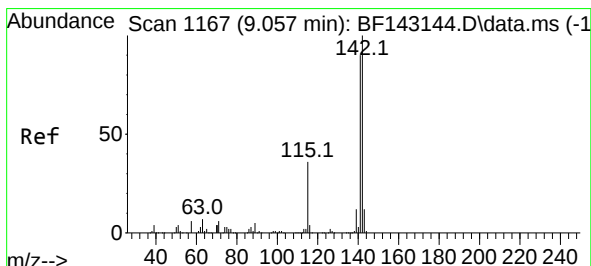
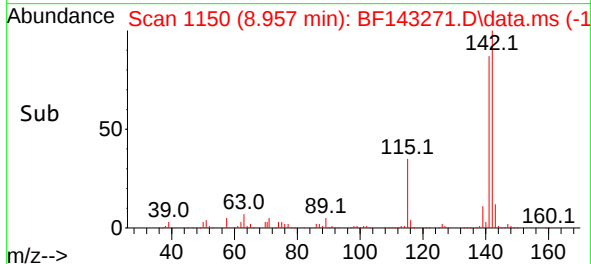
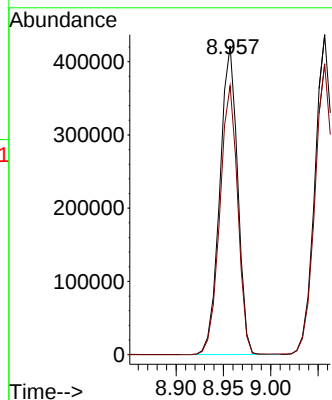
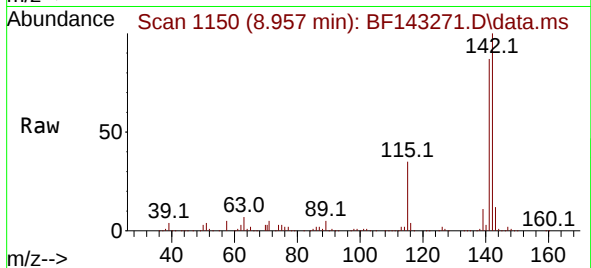
PB168971BS

Tgt Ion:142 Resp: 552380
Ion Ratio Lower Upper
142 100
141 87.1 69.9 104.9

Manual Integrations

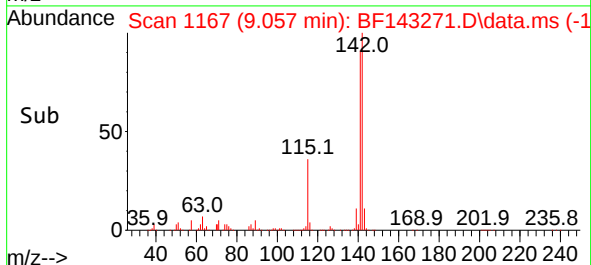
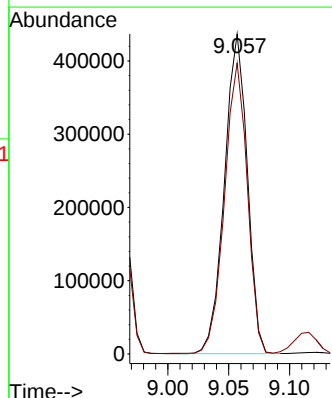
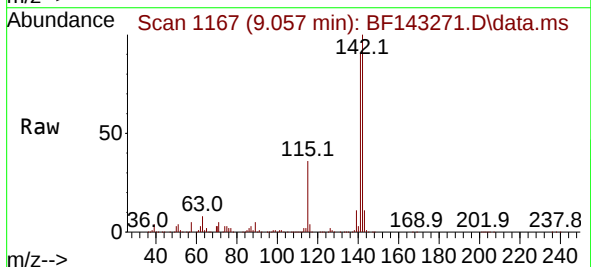
APPROVED

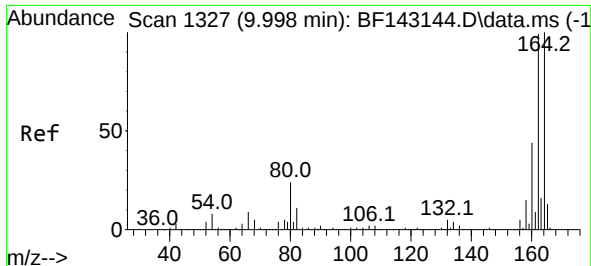
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#38
1-Methylnaphthalene
Concen: 42.597 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:142 Resp: 570488
Ion Ratio Lower Upper
142 100
141 90.9 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143271.D

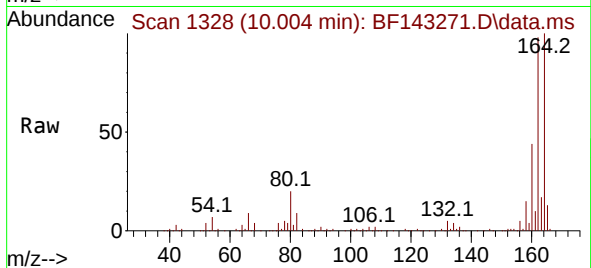
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS



Tgt Ion:164 Resp: 22963

Ion Ratio Lower Upper

164 100

162 98.2 79.0 118.6

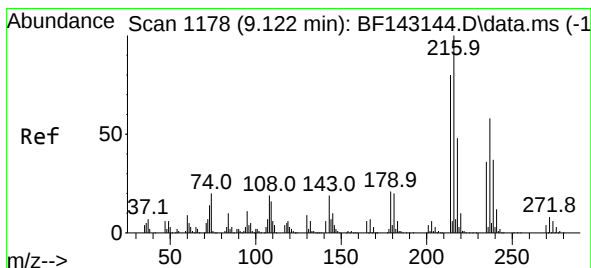
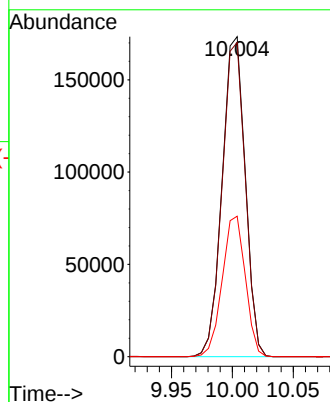
160 43.9 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.726 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Tgt Ion:216 Resp: 276636

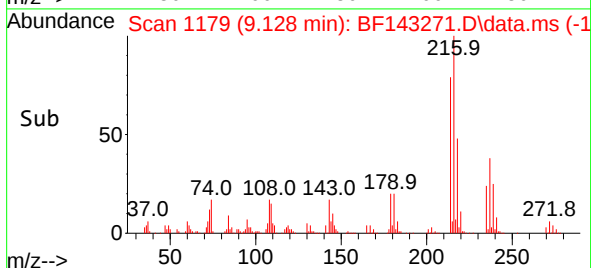
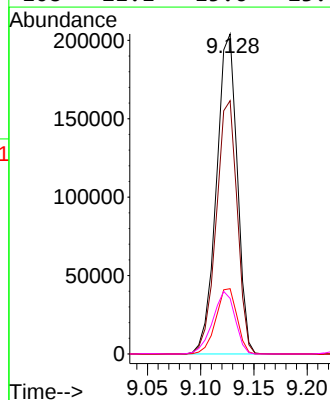
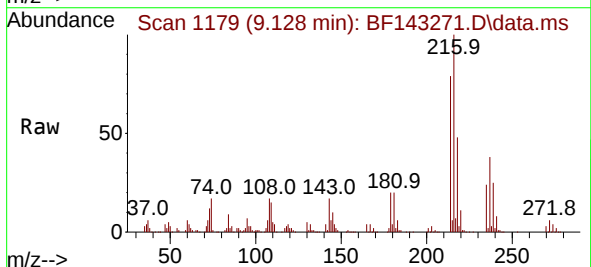
Ion Ratio Lower Upper

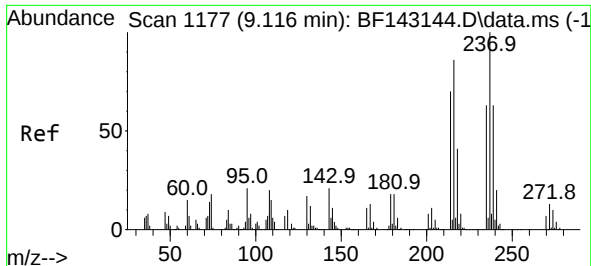
216 100

214 79.7 63.8 95.8

179 20.6 16.4 24.6

108 21.1 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 78.996 ng
RT: 9.116 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

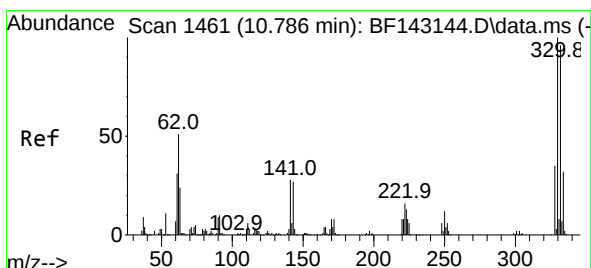
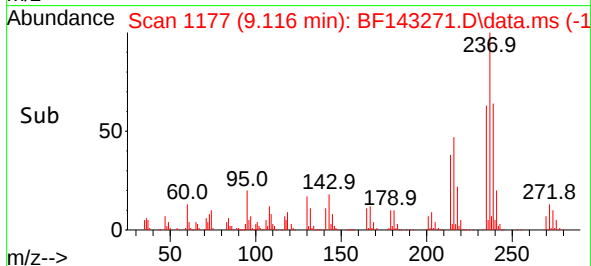
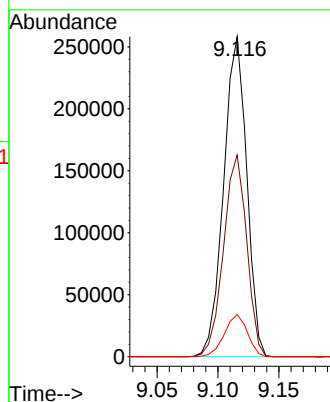
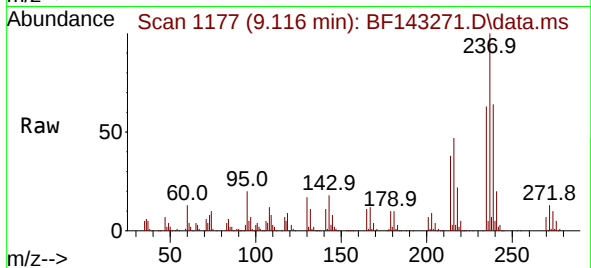
PB168971BS

Tgt Ion:237 Resp: 34077
Ion Ratio Lower Upper
237 100
235 63.1 43.0 83.0
272 13.2 0.0 33.3

Manual Integrations

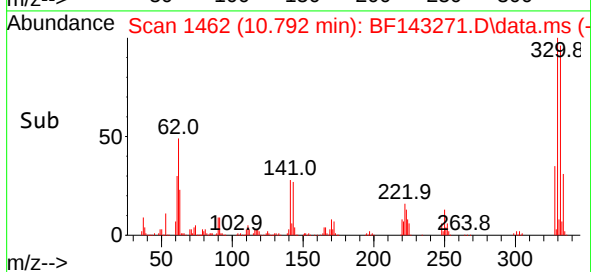
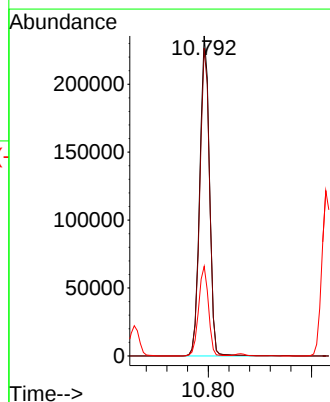
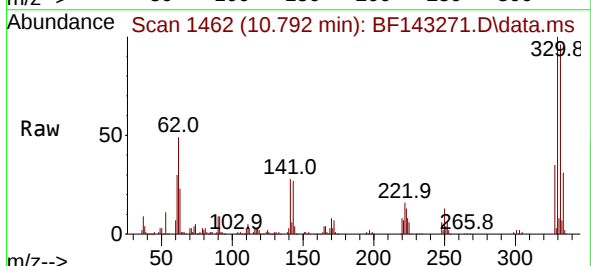
APPROVED

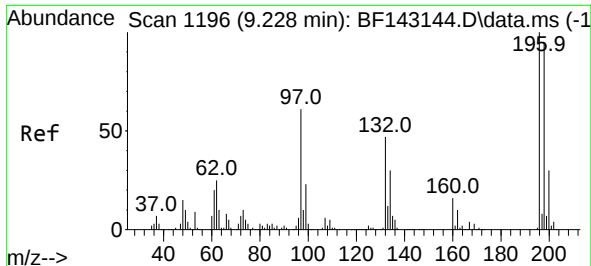
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#42
2,4,6-Tribromophenol
Concen: 128.940 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

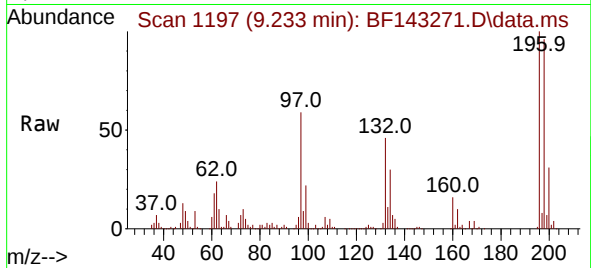
Tgt Ion:330 Resp: 305877
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 28.4 23.3 34.9





#43
2,4,6-Trichlorophenol
Concen: 41.956 ng
RT: 9.233 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

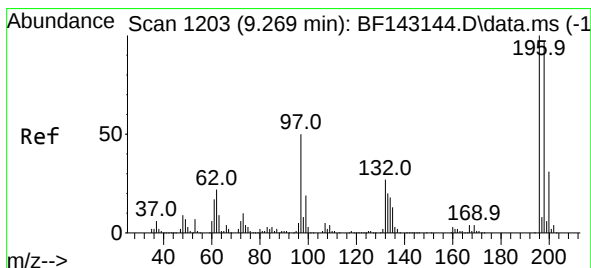
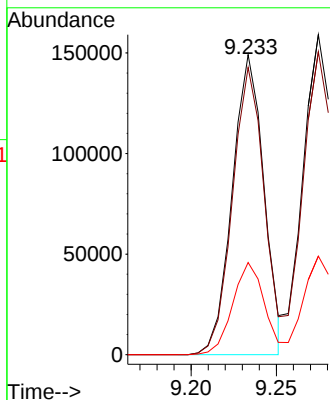
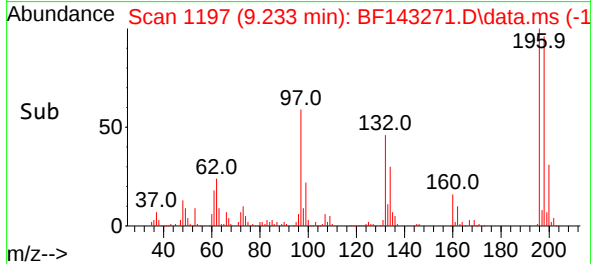
Instrument :
BNA_F
ClientSampleId :
PB168971BS



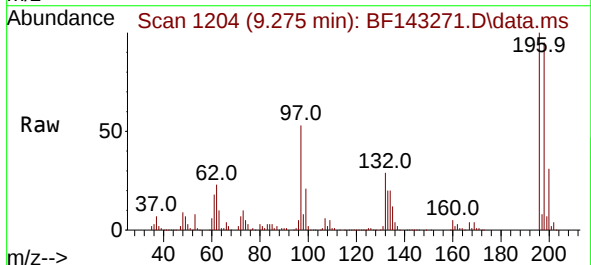
Tgt Ion:196 Resp: 19251
Ion Ratio Lower Upper
196 100
198 95.7 76.2 114.2
200 30.7 23.9 35.9

Manual Integrations
APPROVED

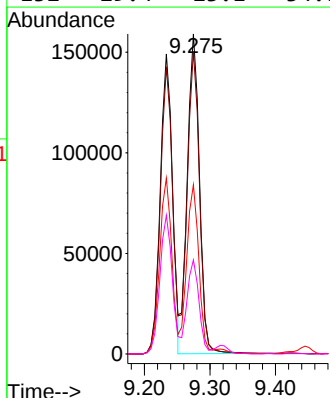
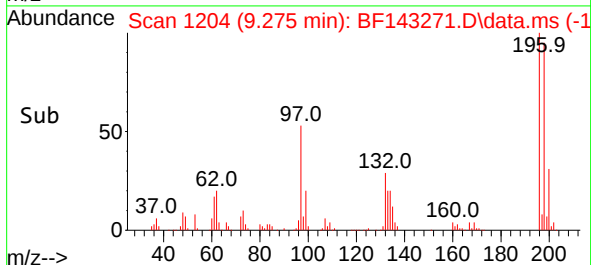
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

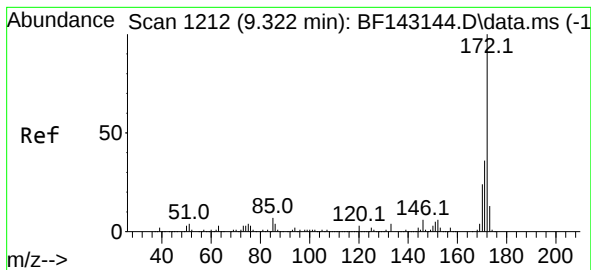


#44
2,4,5-Trichlorophenol
Concen: 44.771 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:196 Resp: 205487
Ion Ratio Lower Upper
196 100
198 94.7 77.3 115.9
97 52.9 40.3 60.5
132 29.4 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 72.680 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

Tgt Ion:172 Resp: 122034

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

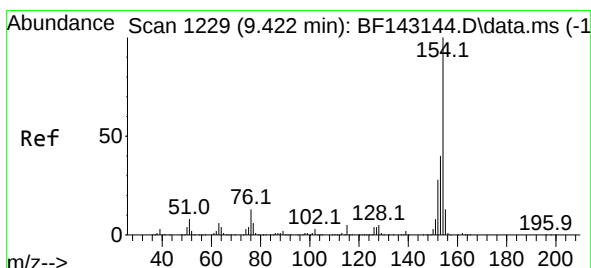
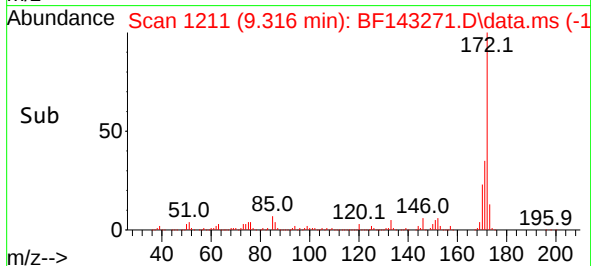
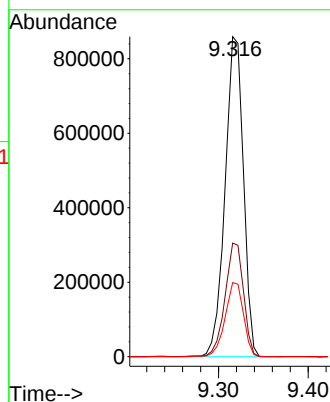
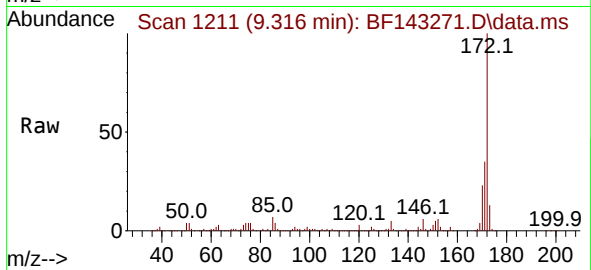
170 23.1 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#46

1,1'-Biphenyl

Concen: 42.351 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

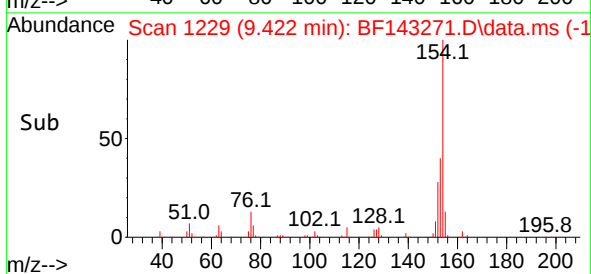
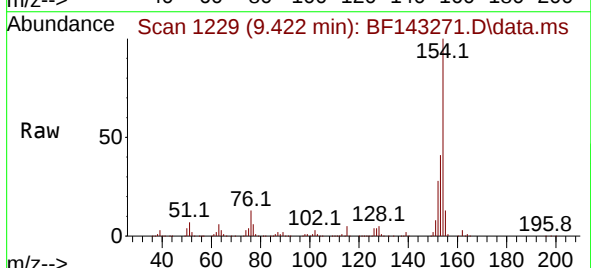
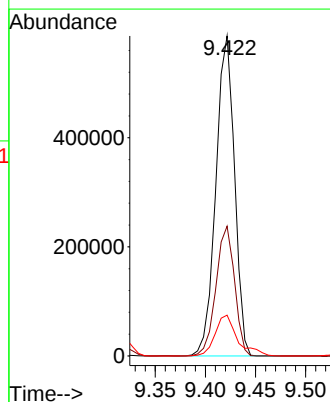
Tgt Ion:154 Resp: 758765

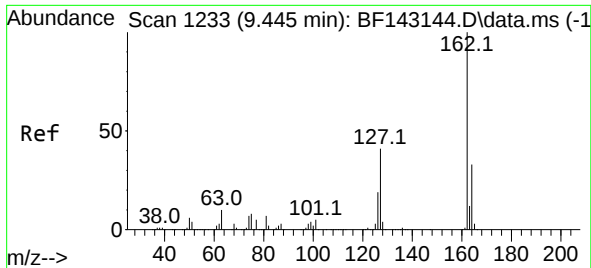
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 12.7 0.0 33.3





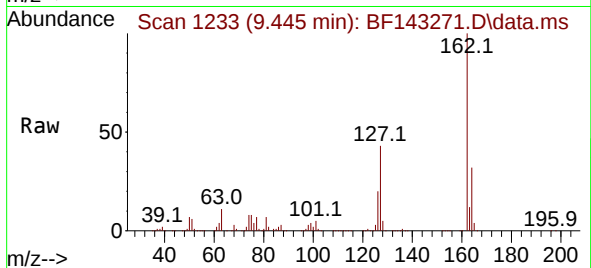
#47
2-Chloronaphthalene
Concen: 41.861 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

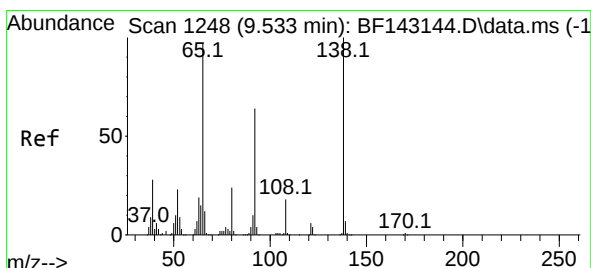
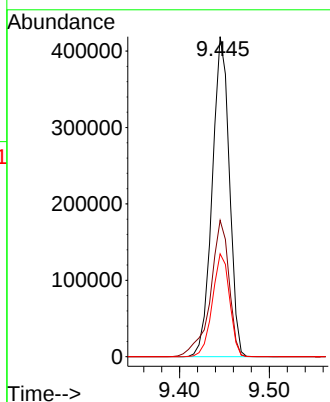
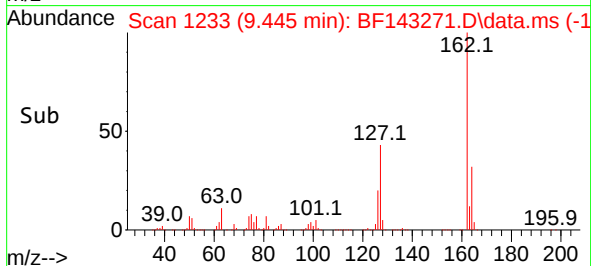


Tgt Ion:162 Resp: 55492
Ion Ratio Lower Upper
162 100
127 42.6 33.4 50.2
164 32.2 26.2 39.2

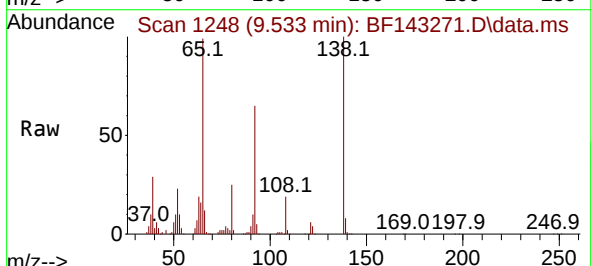
Manual Integrations

APPROVED

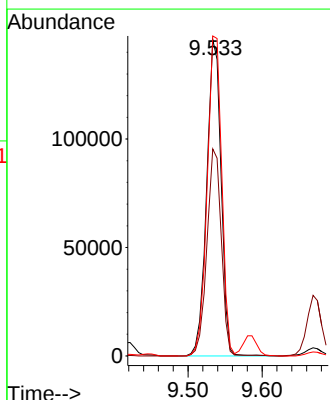
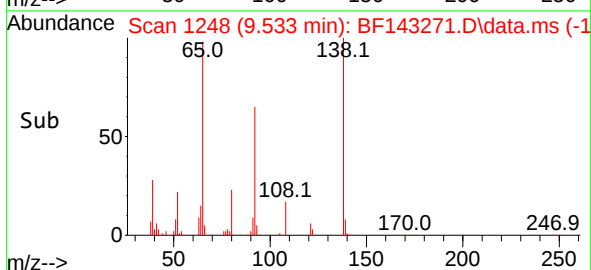
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

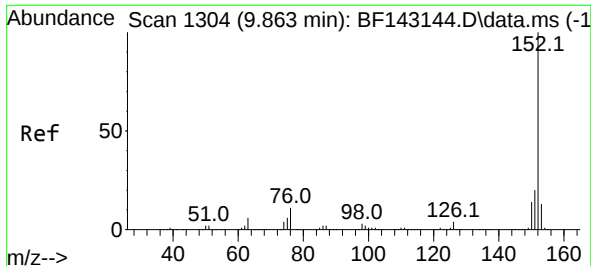


#48
2-Nitroaniline
Concen: 47.296 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion: 65 Resp: 196618
Ion Ratio Lower Upper
65 100
92 65.4 52.4 78.6
138 101.1 82.3 123.5





#49

Acenaphthylene

Concen: 42.620 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143271.D

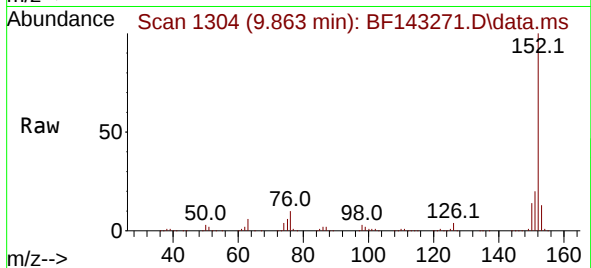
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS



Tgt Ion:152 Resp: 94683

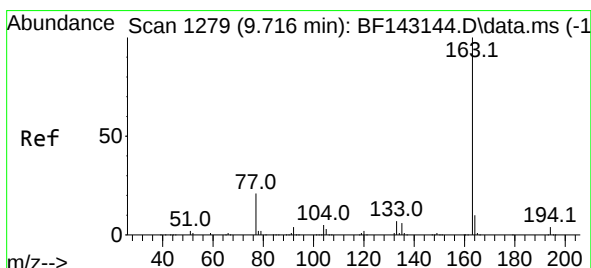
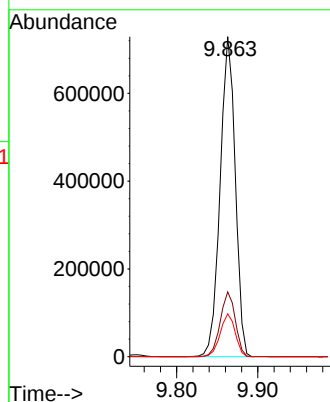
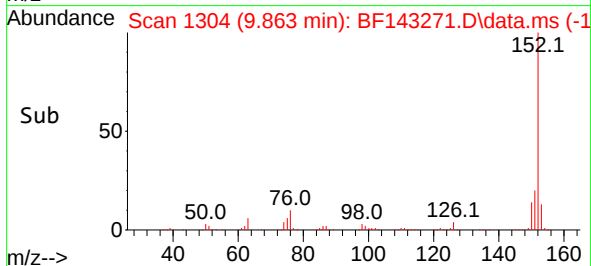
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.4	10.6	16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#50

Dimethylphthalate

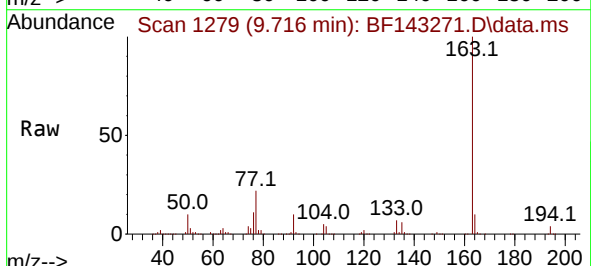
Concen: 44.853 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

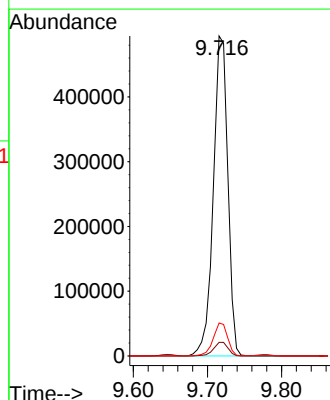
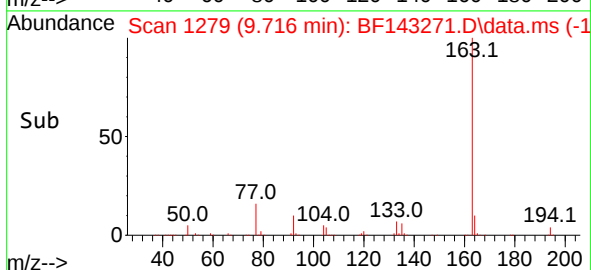
Lab File: BF143271.D

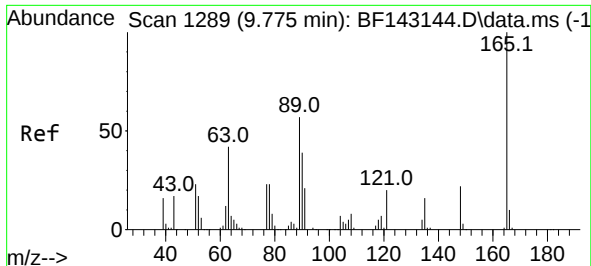
Acq: 30 Jul 2025 16:22



Tgt Ion:163 Resp: 671368

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	8.3	12.5





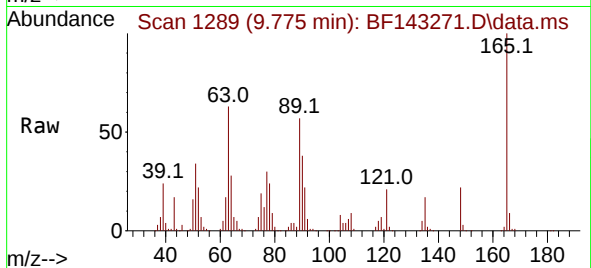
#51
2,6-Dinitrotoluene
Concen: 48.866 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

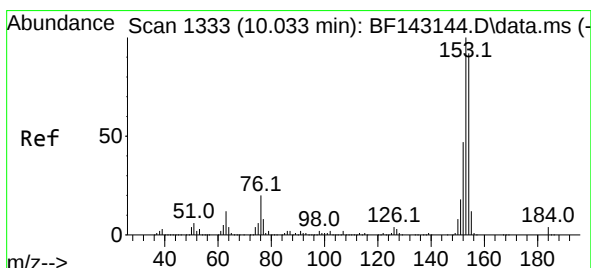
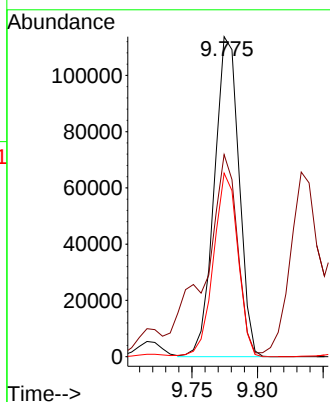
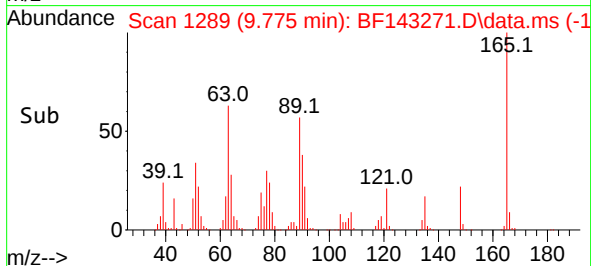


Tgt Ion:165 Resp: 148794
Ion Ratio Lower Upper
165 100
63 63.1 49.4 74.2
89 57.3 46.2 69.2

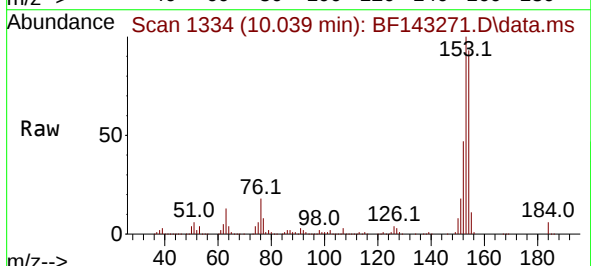
Manual Integrations

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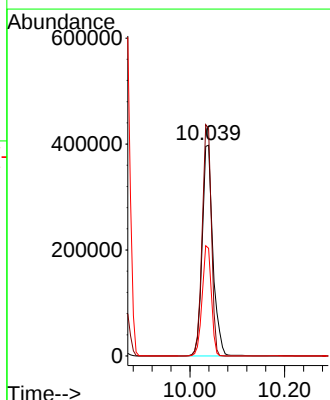
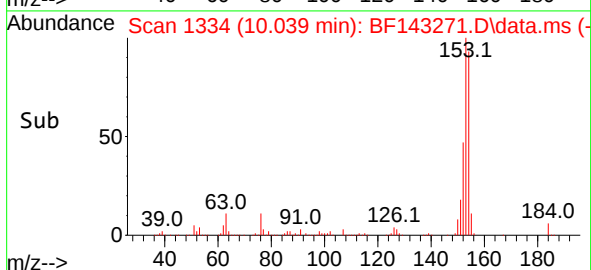
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

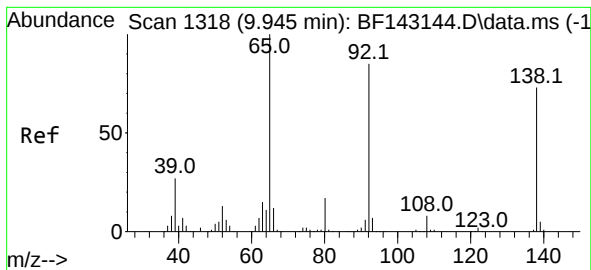


#52
Acenaphthene
Concen: 47.598 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



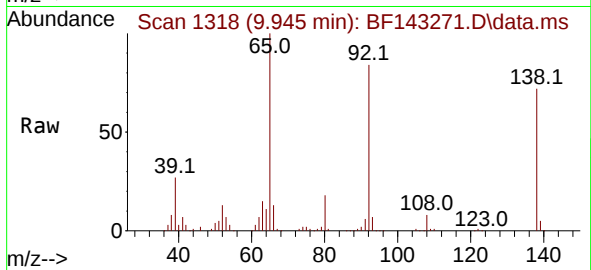
Tgt Ion:154 Resp: 624989
Ion Ratio Lower Upper
154 100
153 107.7 86.6 129.8
152 51.1 40.4 60.6





#53
3-Nitroaniline
Concen: 31.846 ng
RT: 9.945 min Scan# 11342
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

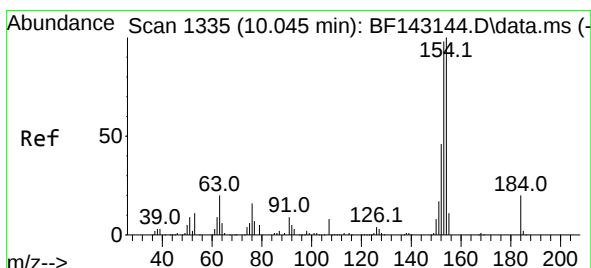
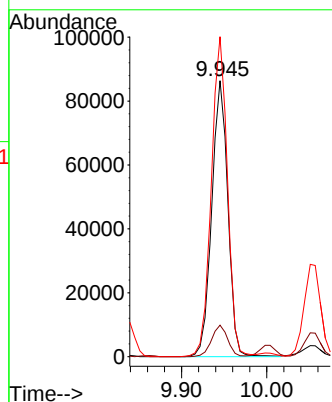
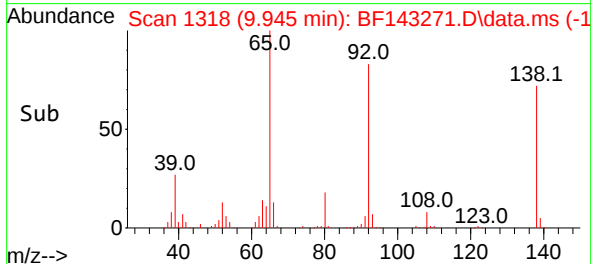
Instrument :
BNA_F
ClientSampleId :
PB168971BS



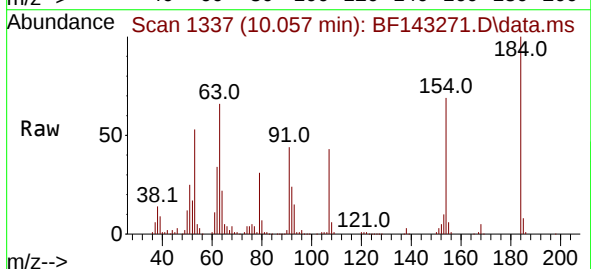
Tgt Ion:138 Resp: 11342
Ion Ratio Lower Upper
138 100
108 11.4 9.0 13.6
92 115.9 93.0 139.4

Manual Integrations
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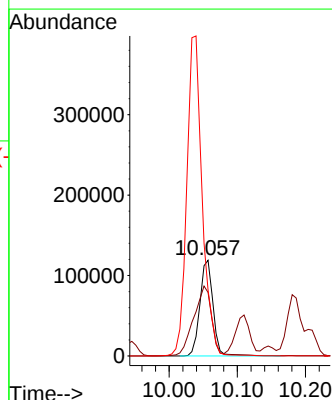
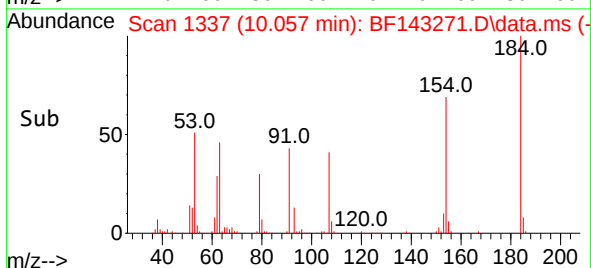
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

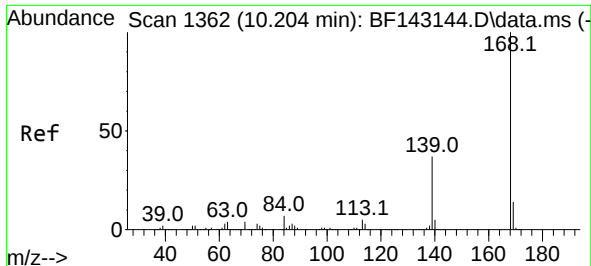


#54
2,4-Dinitrophenol
Concen: 112.746 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



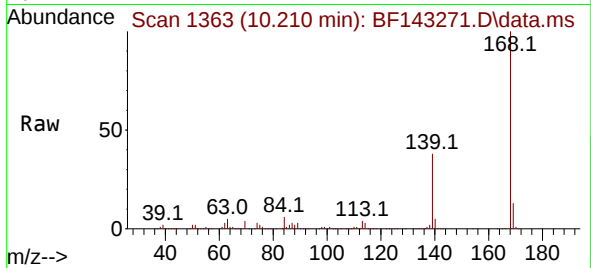
Tgt Ion:184 Resp: 159701
Ion Ratio Lower Upper
184 100
63 66.5 81.8 122.6#
154 69.0 412.2 618.4#





#55
Dibenzofuran
Concen: 42.107 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

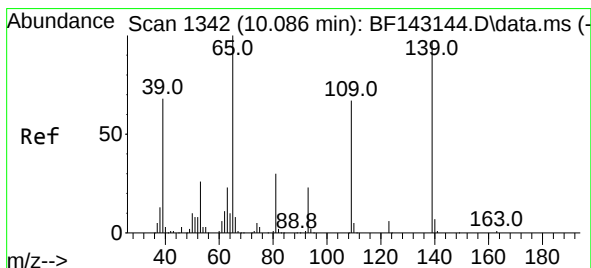
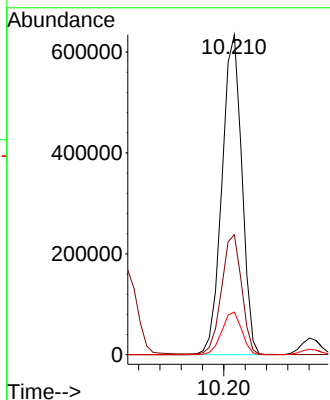
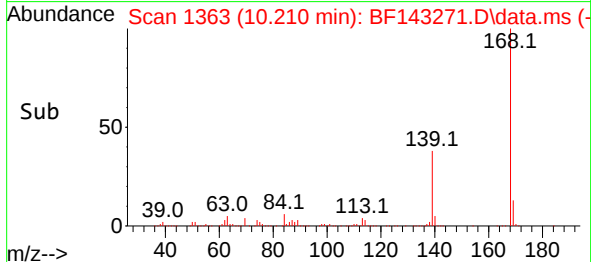
Instrument :
BNA_F
ClientSampleId :
PB168971BS



Tgt Ion:168 Resp: 82087
Ion Ratio Lower Upper
168 100
139 37.5 29.5 44.3
169 13.3 10.9 16.3

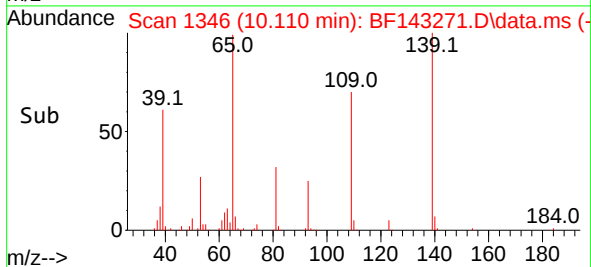
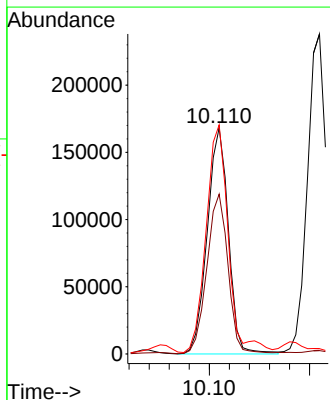
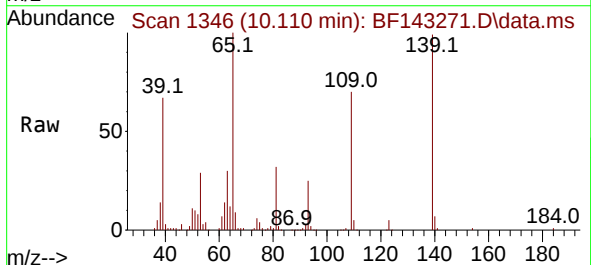
Manual Integrations
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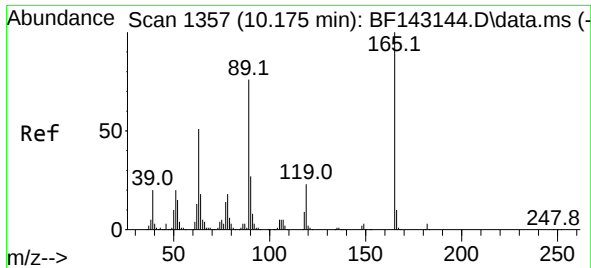
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#56
4-Nitrophenol
Concen: 92.807 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.023 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:139 Resp: 246829
Ion Ratio Lower Upper
139 100
109 70.7 48.5 88.5
65 101.4 83.4 123.4





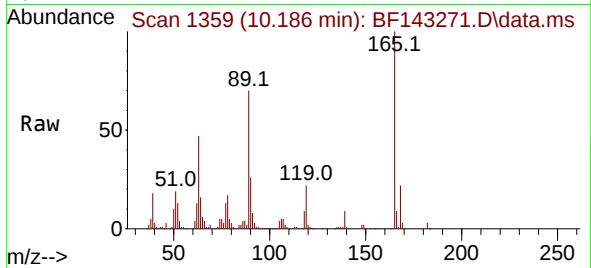
#57
2,4-Dinitrotoluene
Concen: 53.104 ng
RT: 10.186 min Scan# 1359
Delta R.T. 0.012 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

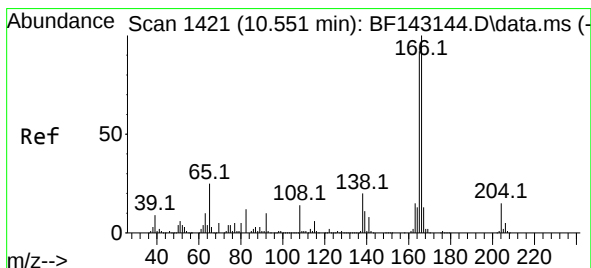
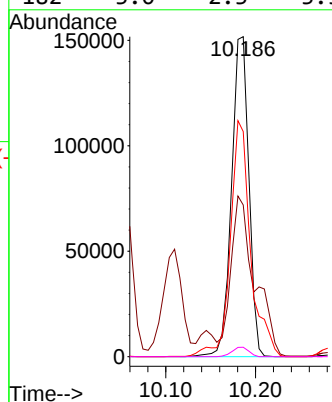
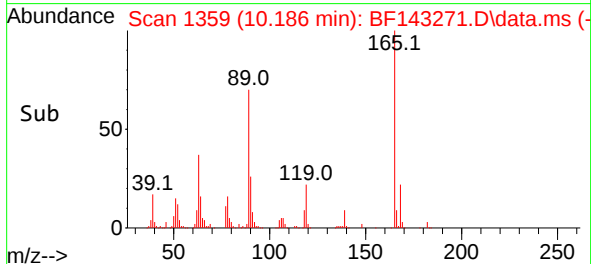


Tgt Ion:165 Resp: 20286
Ion Ratio Lower Upper
165 100
63 47.4 41.0 61.4
89 70.3 61.1 91.7
182 3.0 2.3 3.5

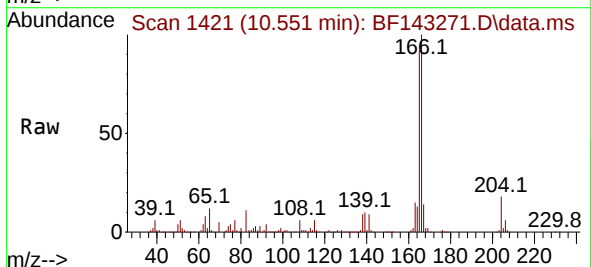
Manual Integrations

APPROVED

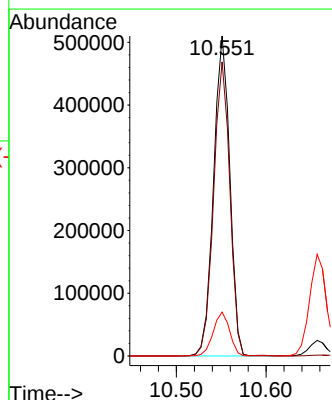
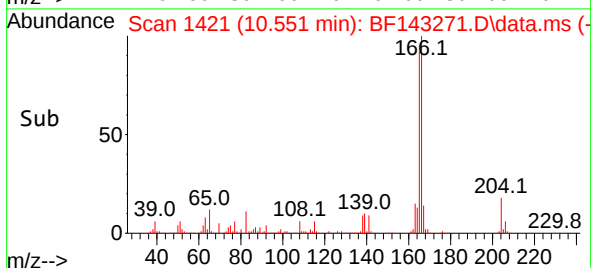
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

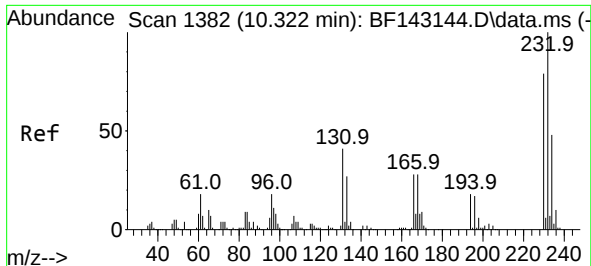


#58
Fluorene
Concen: 43.805 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



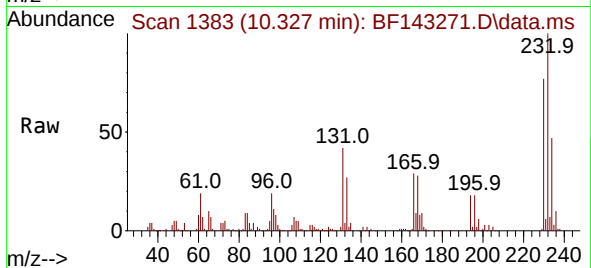
Tgt Ion:166 Resp: 640925
Ion Ratio Lower Upper
166 100
165 91.9 73.7 110.5
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.130 ng
RT: 10.327 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

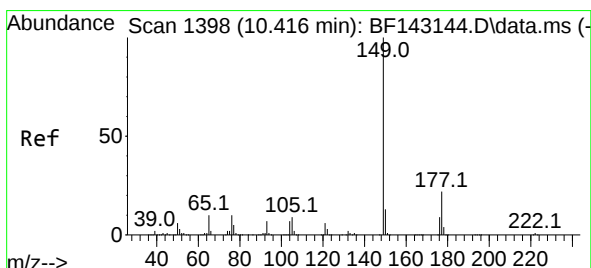
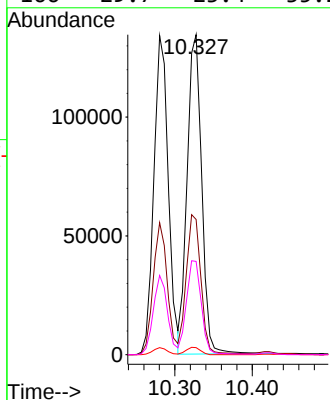
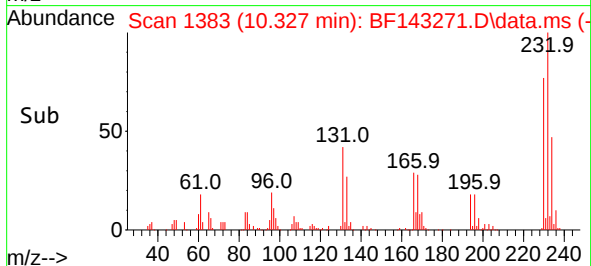
Instrument :
BNA_F
ClientSampleId :
PB168971BS



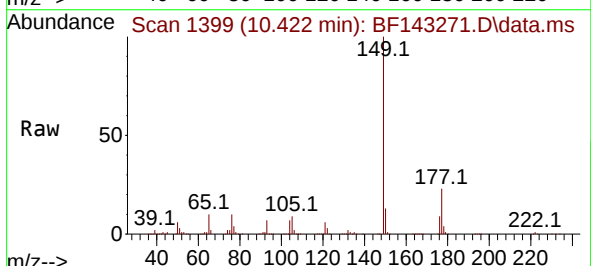
Tgt Ion:232 Resp: 17538
Ion Ratio Lower Upper
232 100
131 44.4 35.3 52.9
130 2.3 1.7 2.5
166 29.7 23.4 35.2

Manual Integrations
APPROVED

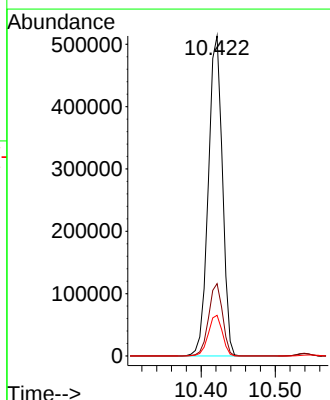
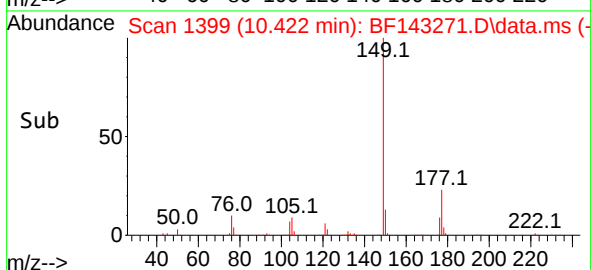
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

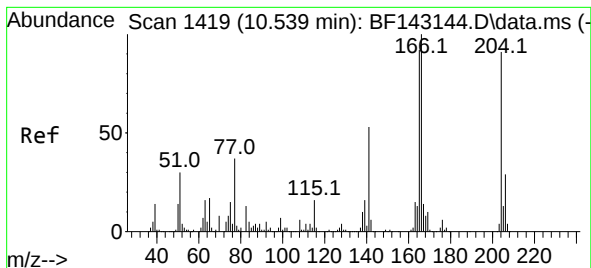


#60
Diethylphthalate
Concen: 45.742 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



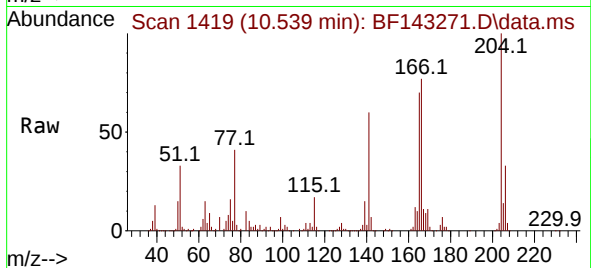
Tgt Ion:149 Resp: 676727
Ion Ratio Lower Upper
149 100
177 22.6 17.5 26.3
150 12.7 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 43.512 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

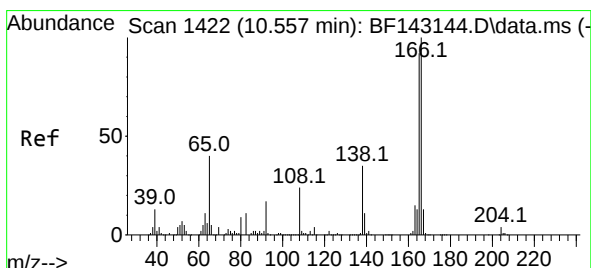
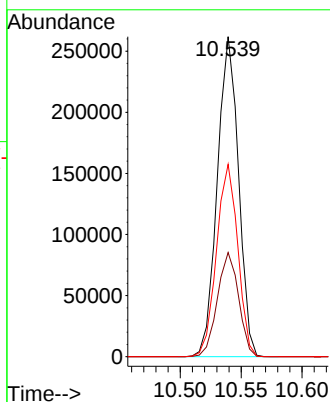
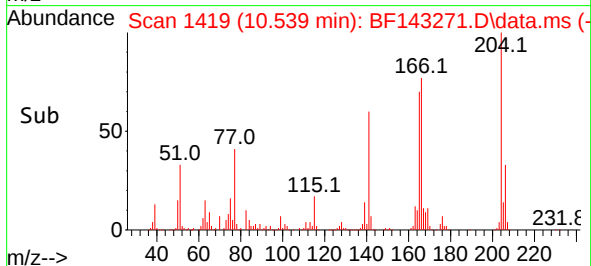
Instrument :
BNA_F
ClientSampleId :
PB168971BS



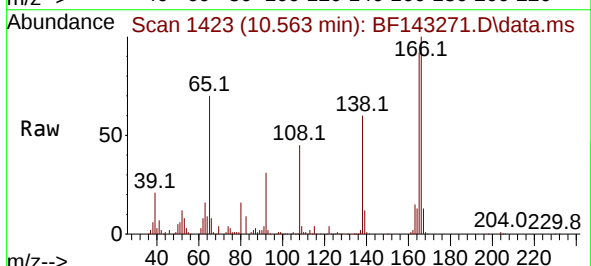
Tgt Ion:204 Resp: 31700
Ion Ratio Lower Upper
204 100
206 32.6 25.8 38.8
141 60.1 47.0 70.4

Manual Integrations
APPROVED

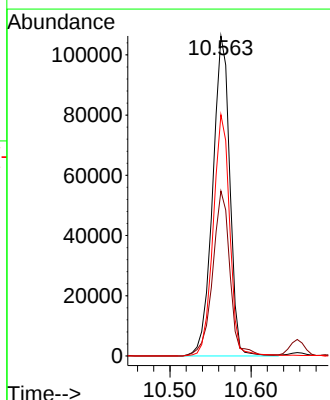
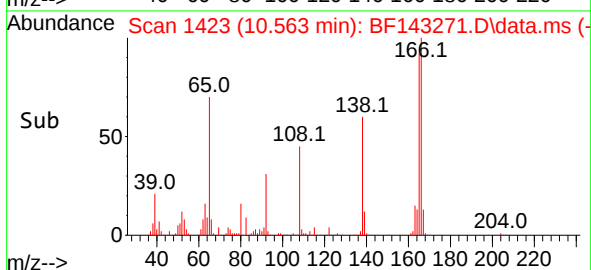
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

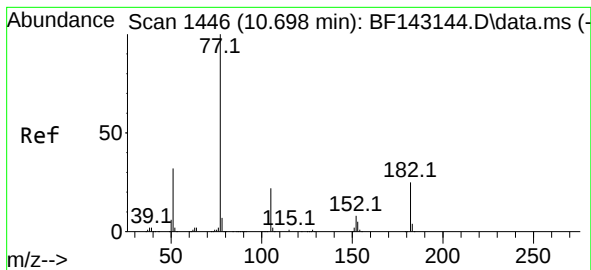


#62
4-Nitroaniline
Concen: 51.094 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



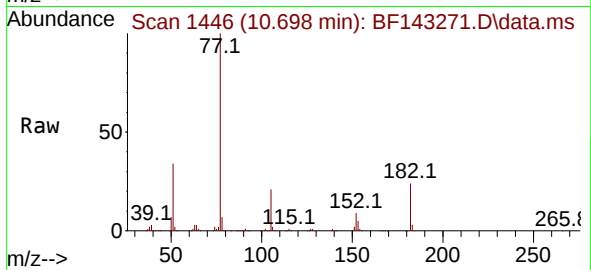
Tgt Ion:138 Resp: 155962
Ion Ratio Lower Upper
138 100
92 51.5 29.3 69.3
108 75.4 48.3 88.3





#63
Azobenzene
Concen: 43.033 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

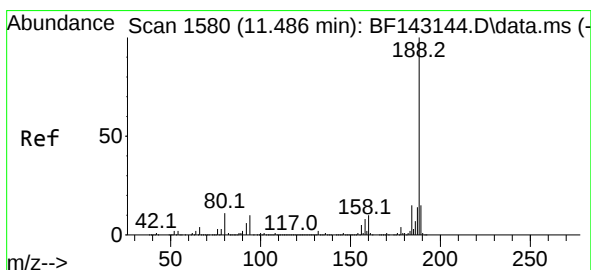
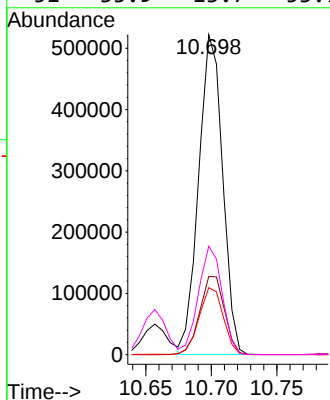
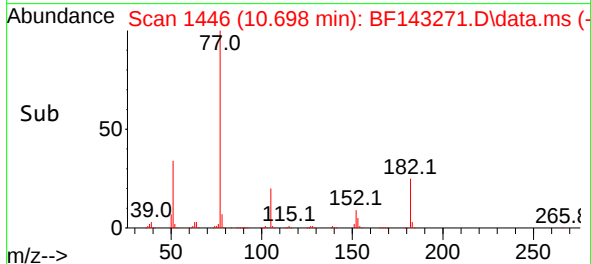
Instrument :
BNA_F
ClientSampleId :
PB168971BS



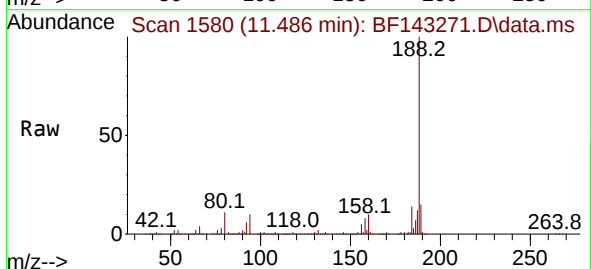
Tgt Ion: 77 Resp: 66353
Ion Ratio Lower Upper
77 100
182 24.4 4.6 44.6
105 21.0 1.4 41.4
51 33.9 13.7 53.7

Manual Integrations
APPROVED

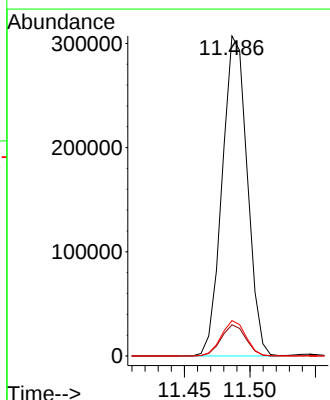
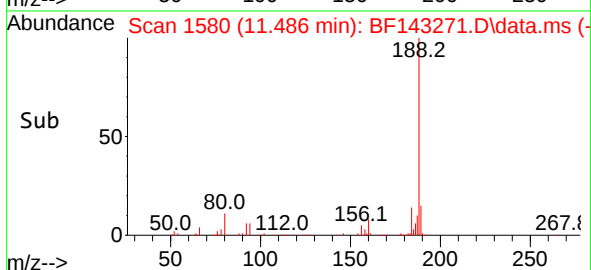
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

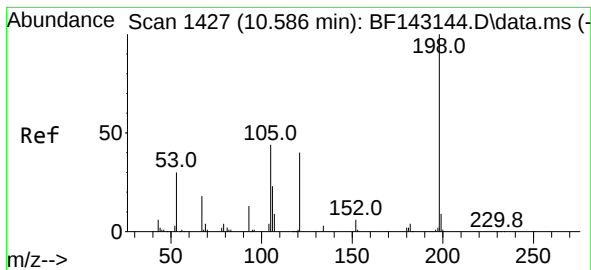


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:188 Resp: 407884
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 11.0 9.0 13.6





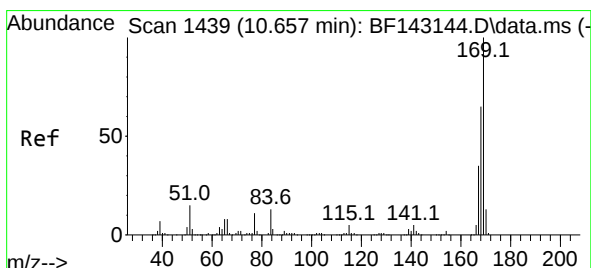
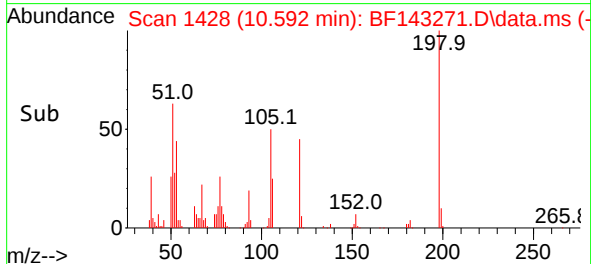
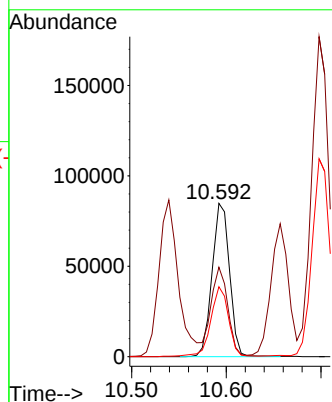
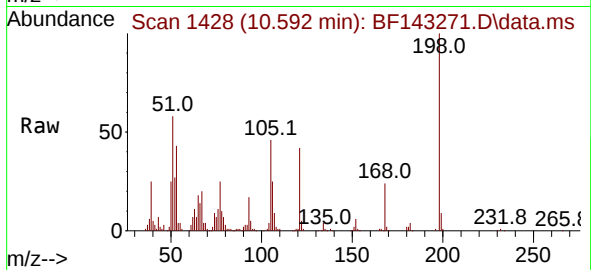
#65
4,6-Dinitro-2-methylphenol
Concen: 50.348 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :
BNA_F
ClientSampleId :
PB168971BS

Tgt Ion:198 Resp: 108295
Ion Ratio Lower Upper
198 100
51 58.3 37.2 77.2
105 45.7 24.8 64.8

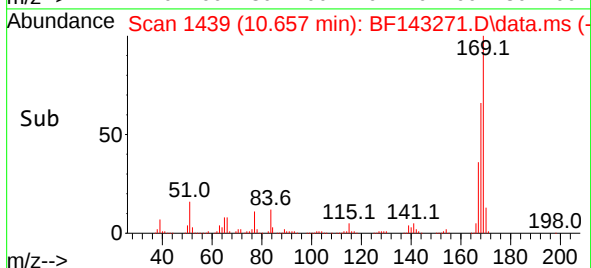
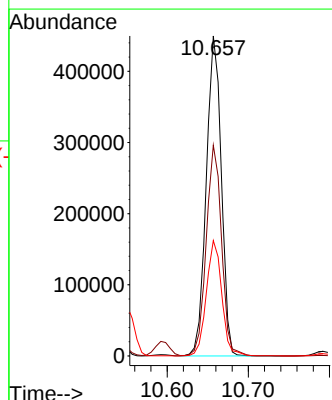
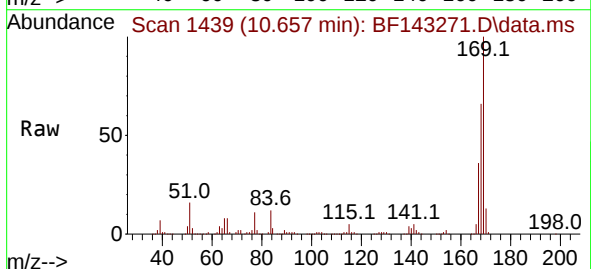
Manual Integrations
APPROVED

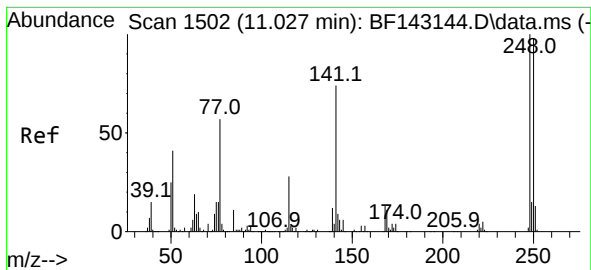
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#66
n-Nitrosodiphenylamine
Concen: 40.210 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:169 Resp: 577533
Ion Ratio Lower Upper
169 100
168 65.8 52.1 78.1
167 36.0 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 41.613 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

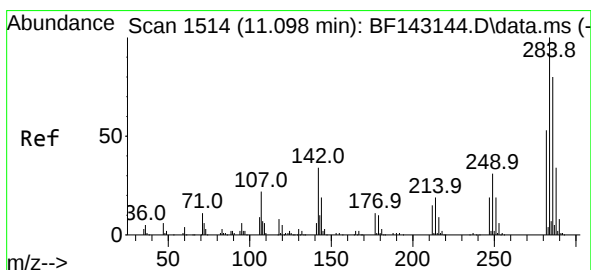
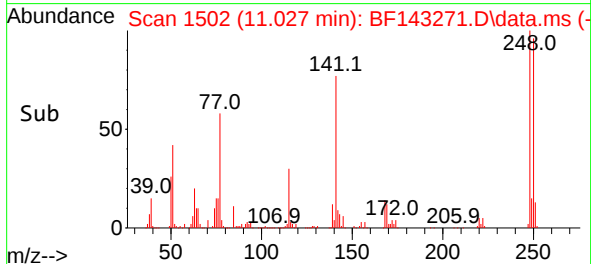
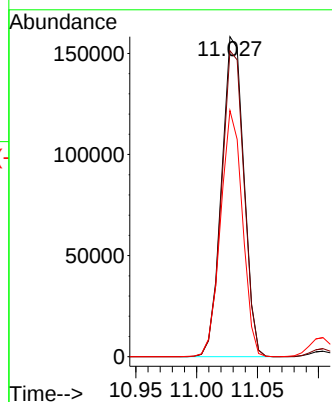
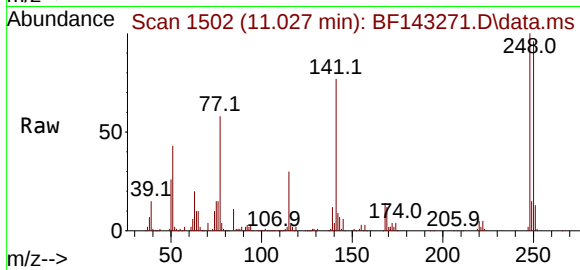
PB168971BS

Tgt Ion:248 Resp: 202270
Ion Ratio Lower Upper
248 100
250 95.6 78.3 117.5
141 76.9 59.2 88.8

Manual Integrations

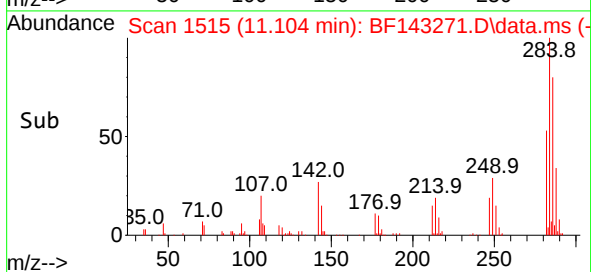
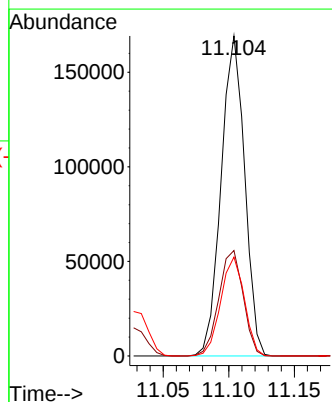
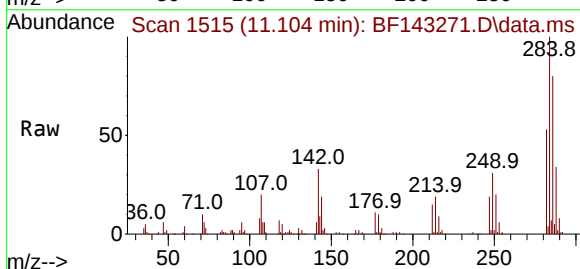
APPROVED

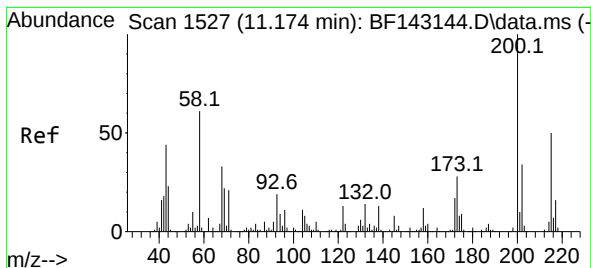
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#68
Hexachlorobenzene
Concen: 41.484 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:284 Resp: 210766
Ion Ratio Lower Upper
284 100
142 32.9 27.0 40.6
249 30.9 25.0 37.6





#69

Atrazine

Concen: 47.874 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

Tgt Ion:200 Resp: 18956

Ion Ratio Lower Upper

200 100

173 27.9 7.9 47.9

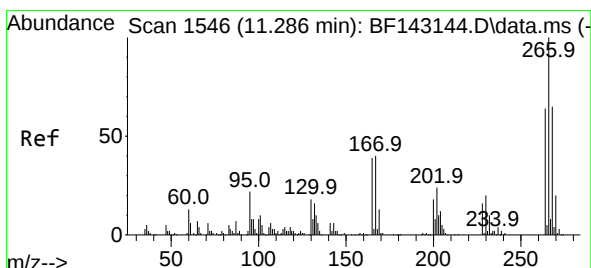
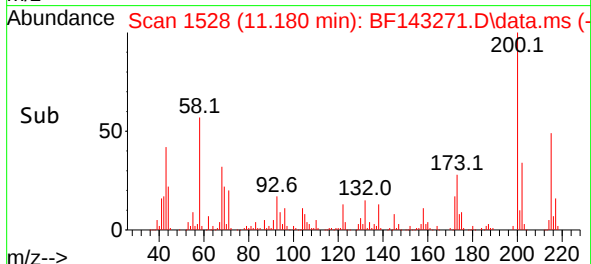
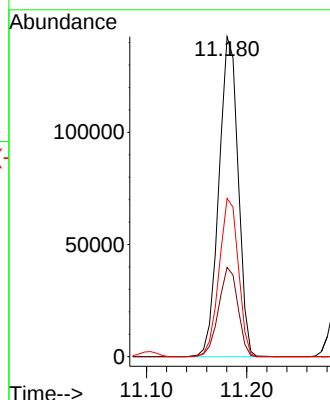
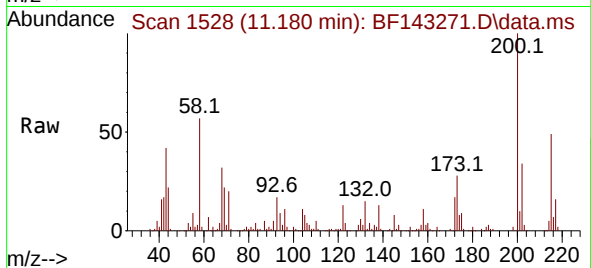
215 49.5 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#70

Pentachlorophenol

Concen: 85.977 ng

RT: 11.298 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

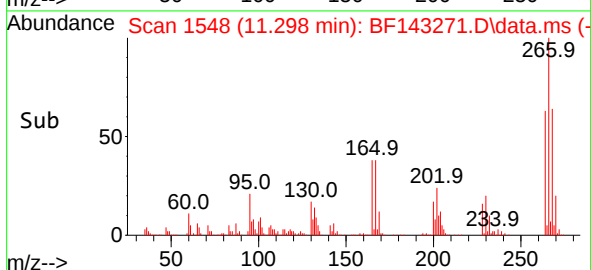
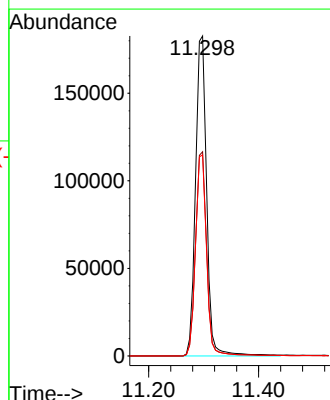
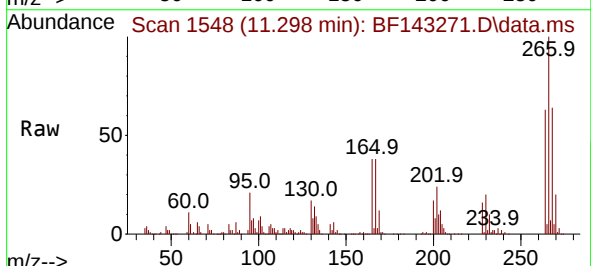
Tgt Ion:266 Resp: 256885

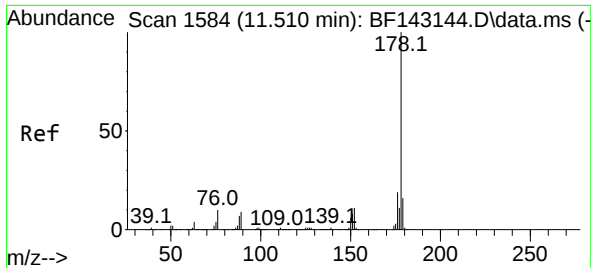
Ion Ratio Lower Upper

266 100

268 63.8 51.9 77.9

264 62.8 51.0 76.6





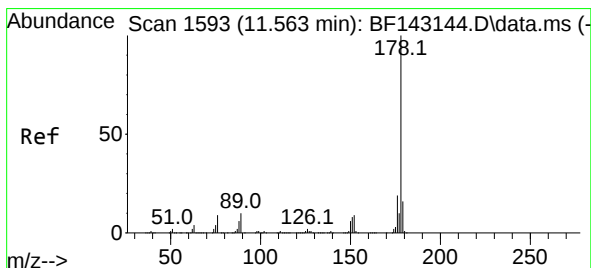
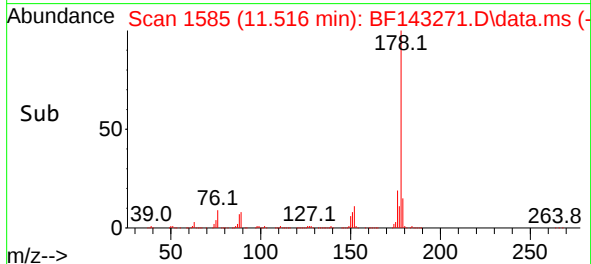
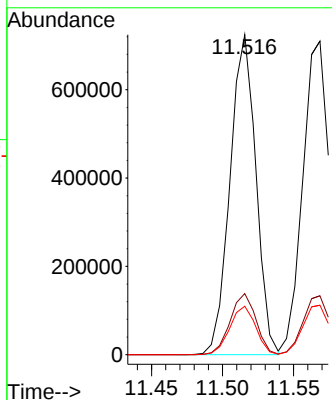
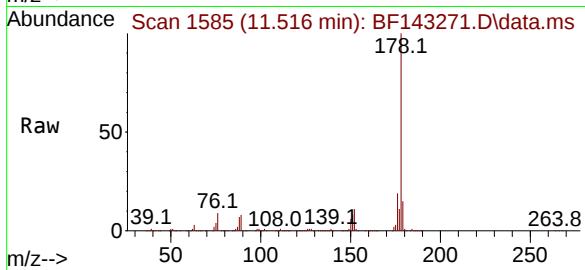
#71
Phenanthrene
Concen: 42.530 ng
RT: 11.516 min Scan# 11585
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Instrument :
BNA_F
ClientSampleId :
PB168971BS

Tgt Ion:178 Resp: 92108
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.2 12.5 18.7

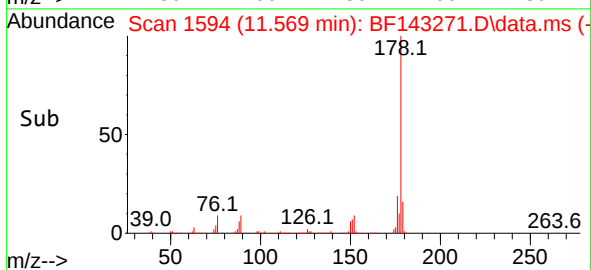
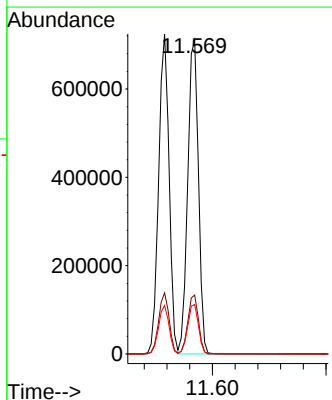
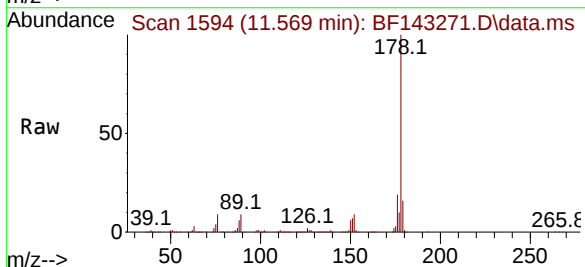
Manual Integrations
APPROVED

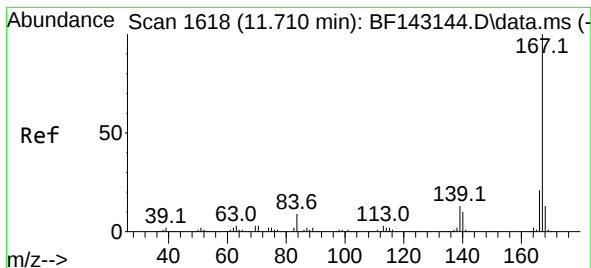
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#72
Anthracene
Concen: 42.160 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

Tgt Ion:178 Resp: 931236
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.8 12.5 18.7





#73

Carbazole

Concen: 44.519 ng

RT: 11.716 min Scan# 1618

Delta R.T. 0.006 min

Lab File: BF143271.D

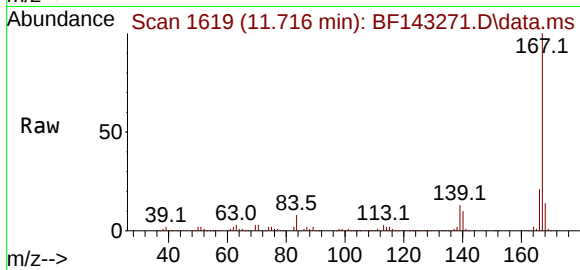
Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS



Tgt Ion:167 Resp: 858650

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.6

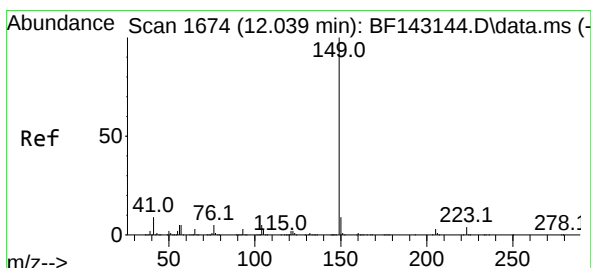
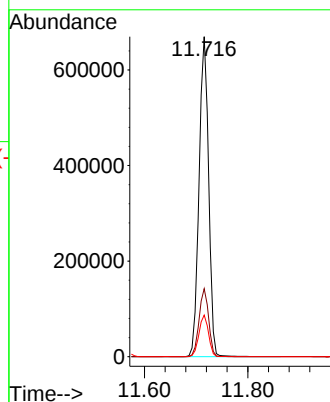
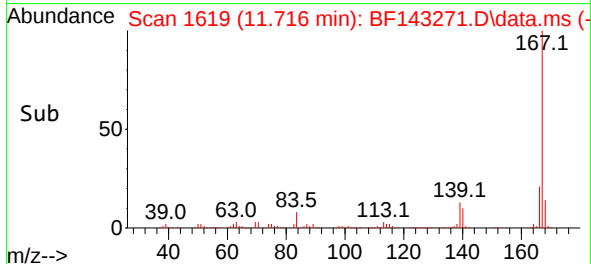
139 13.0 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#74

Di-n-butylphthalate

Concen: 47.457 ng

RT: 12.045 min Scan# 1675

Delta R.T. 0.006 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

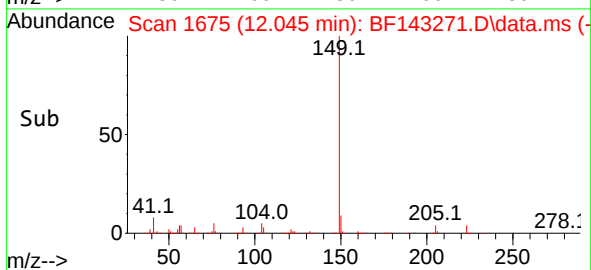
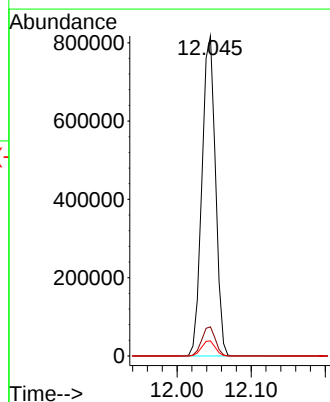
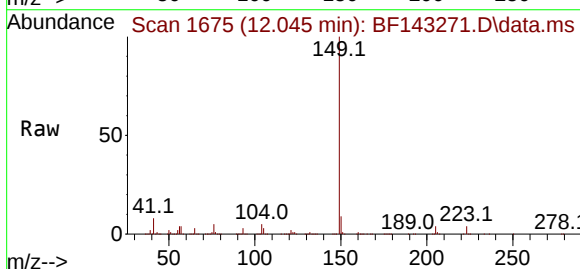
Tgt Ion:149 Resp: 1035670

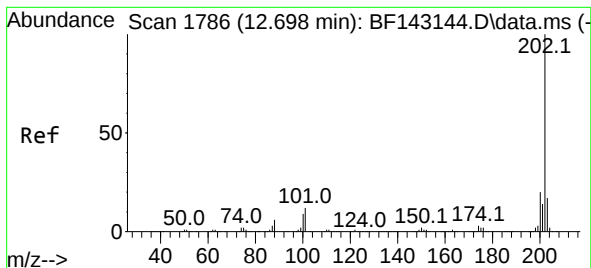
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 48.151 ng

RT: 12.704 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

Tgt Ion:202 Resp: 95718

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.7

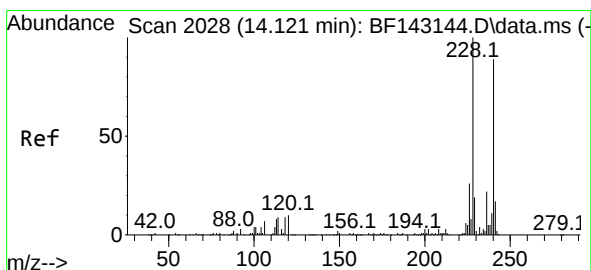
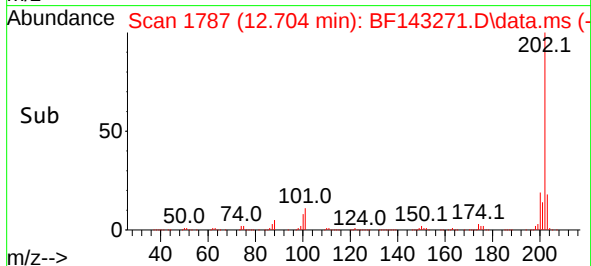
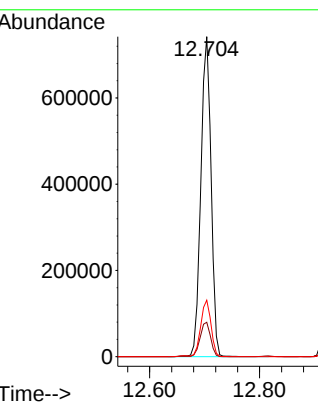
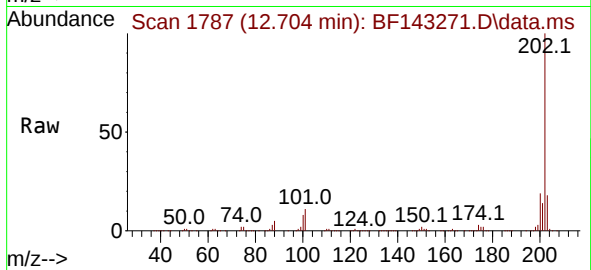
203 17.6 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.012 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

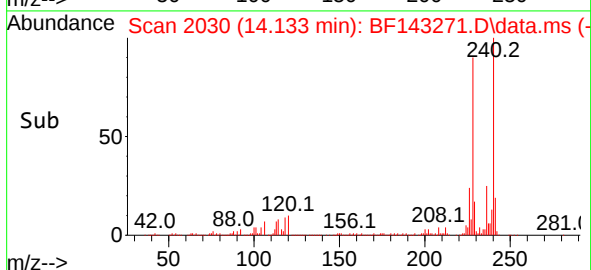
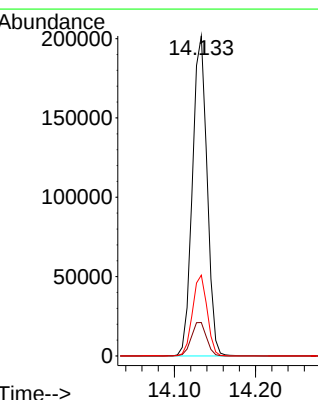
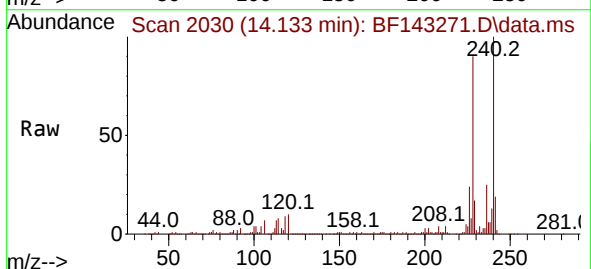
Tgt Ion:240 Resp: 252100

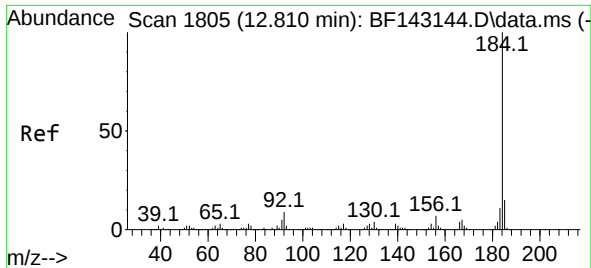
Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

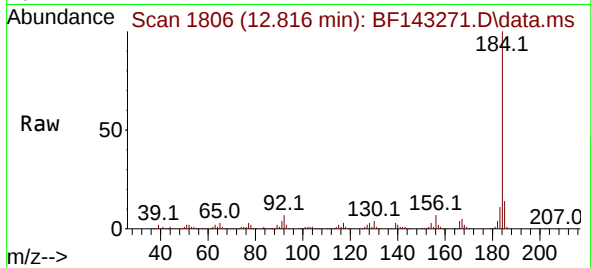
236 25.2 20.2 30.4





#77
Benzidine
Concen: 32.657 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

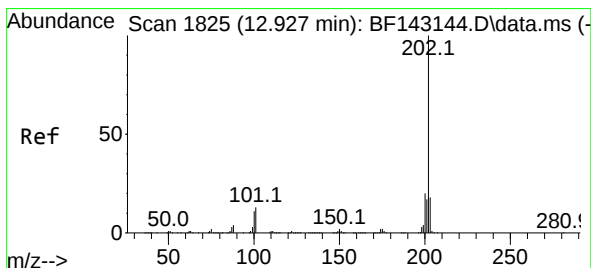
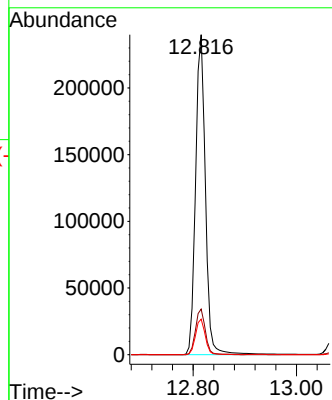
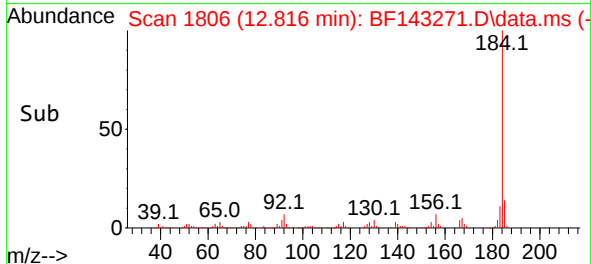
Instrument :
BNA_F
ClientSampleId :
PB168971BS



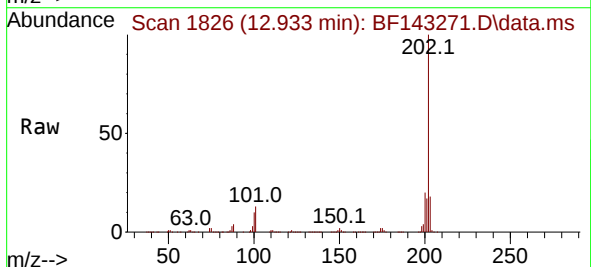
Tgt Ion:184 Resp: 31719
Ion Ratio Lower Upper
184 100
185 14.3 12.2 18.4
183 11.1 9.0 13.4

Manual Integrations
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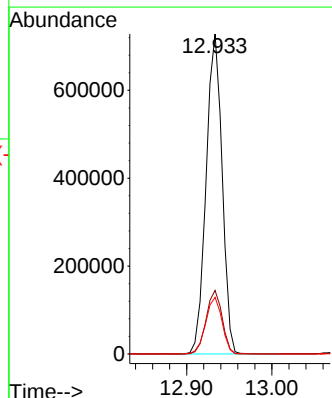
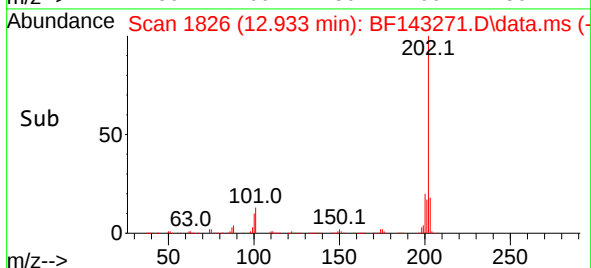
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

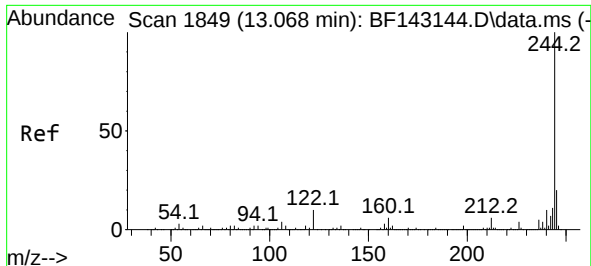


#78
Pyrene
Concen: 44.138 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:202 Resp: 949653
Ion Ratio Lower Upper
202 100
200 19.9 15.7 23.5
203 17.7 14.2 21.2





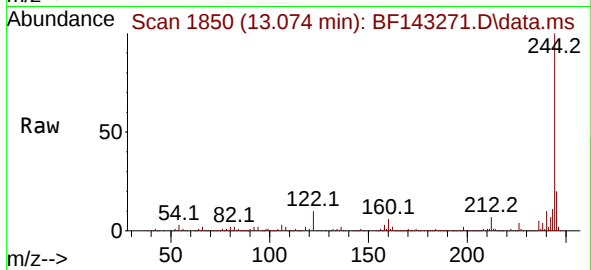
#79
 Terphenyl-d14
 Concen: 75.801 ng
 RT: 13.074 min Scan# 1849
 Delta R.T. 0.006 min
 Lab File: BF143271.D
 Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

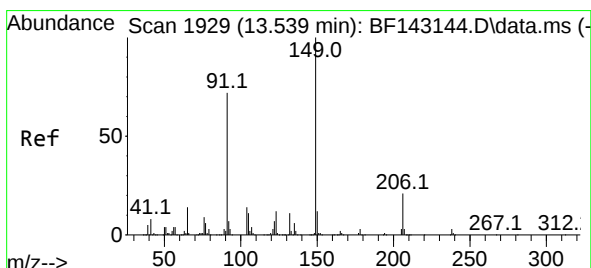
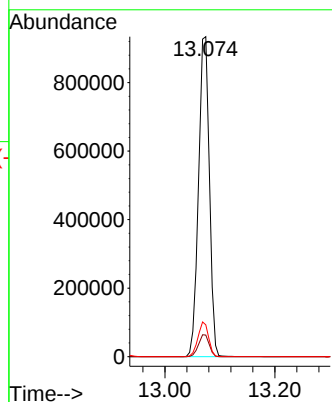
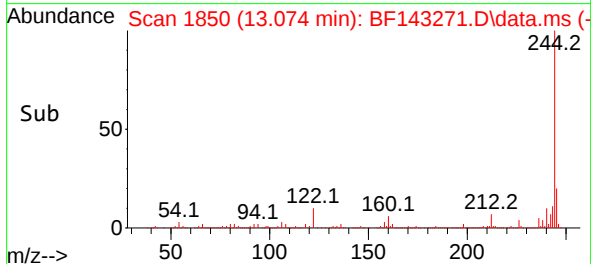


Tgt Ion:244 Resp: 128414
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 9.9 8.2 12.2

Manual Integrations

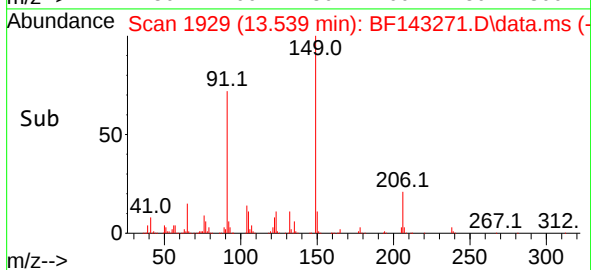
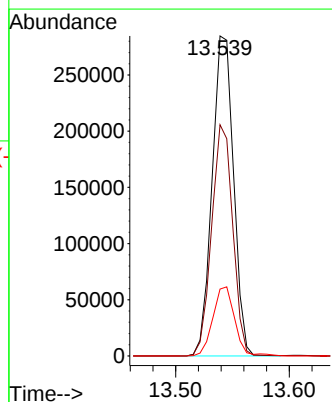
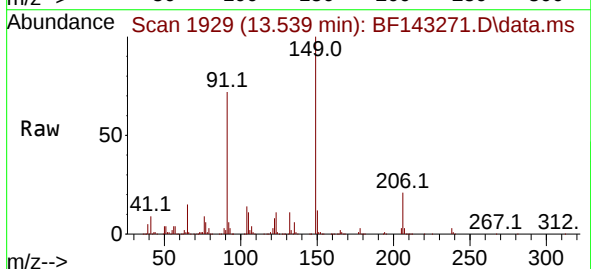
APPROVED

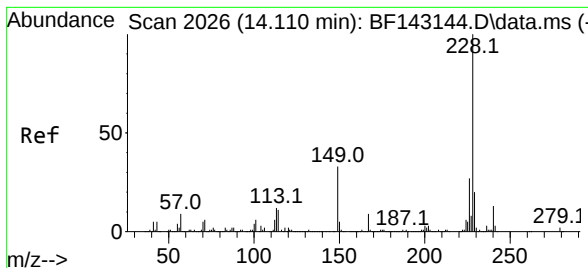
Reviewed By :Rahul Chavli 07/31/2025
 Supervised By :mohammad ahmed 07/31/2025



#80
 Butylbenzylphthalate
 Concen: 56.625 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. -0.000 min
 Lab File: BF143271.D
 Acq: 30 Jul 2025 16:22

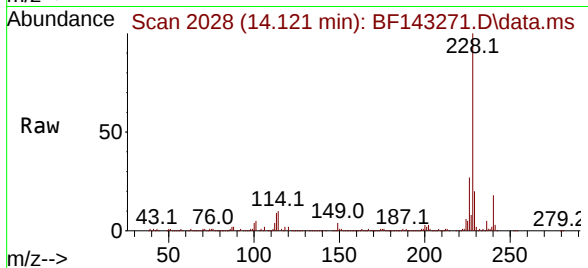
Tgt Ion:149 Resp: 373061
 Ion Ratio Lower Upper
 149 100
 91 72.3 57.9 86.9
 206 20.9 17.0 25.4





#81
Benzo(a)anthracene
Concen: 44.159 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.012 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

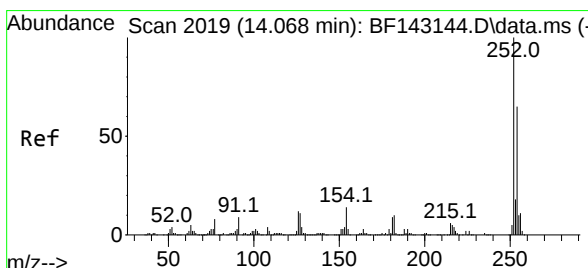
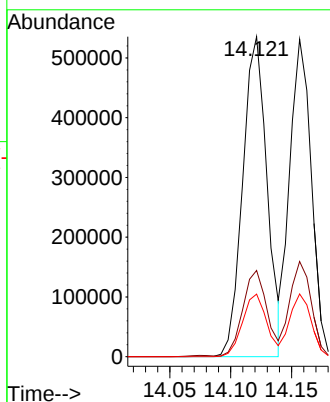
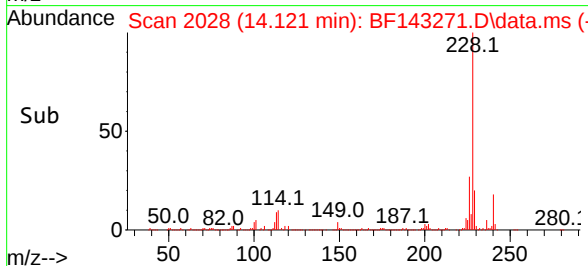
Instrument :
BNA_F
ClientSampleId :
PB168971BS



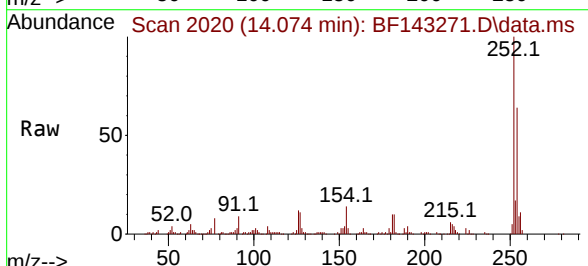
Tgt Ion:228 Resp: 745315
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.5 15.8 23.6

Manual Integrations
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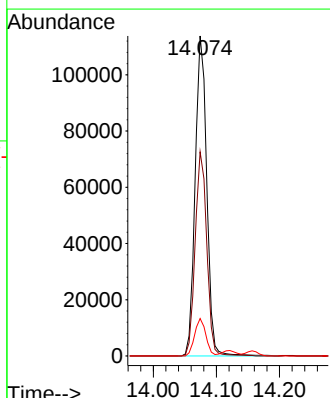
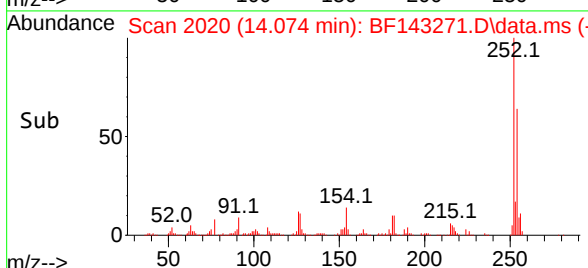
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

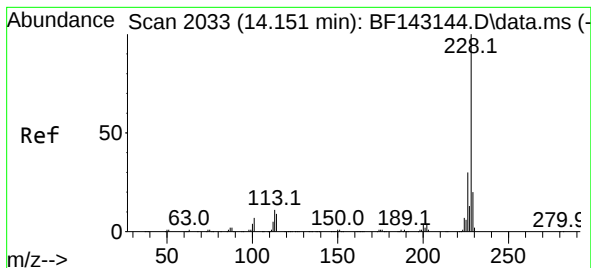


#82
3,3'-Dichlorobenzidine
Concen: 25.782 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:252 Resp: 145029
Ion Ratio Lower Upper
252 100
254 63.8 51.7 77.5
126 11.7 9.4 14.0





#83

Chrysene

Concen: 43.343 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

Tgt Ion:228 Resp: 65773

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

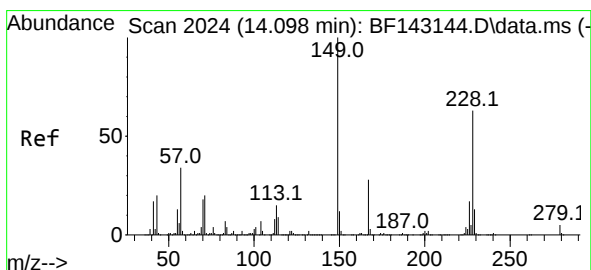
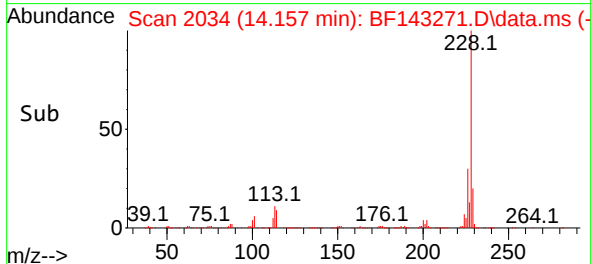
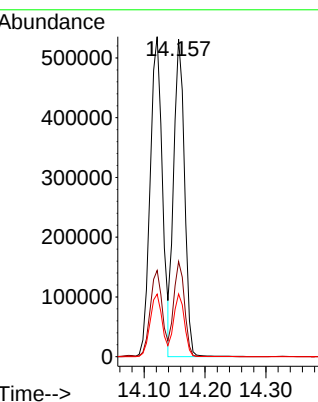
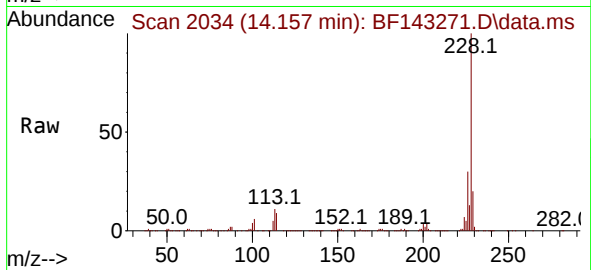
229 19.8 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.959 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

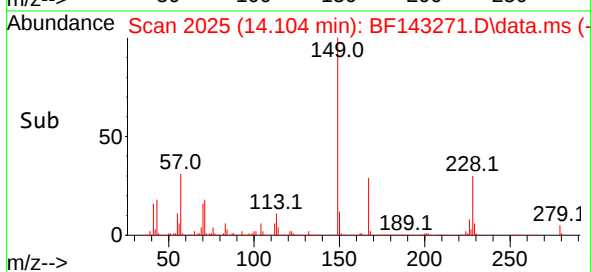
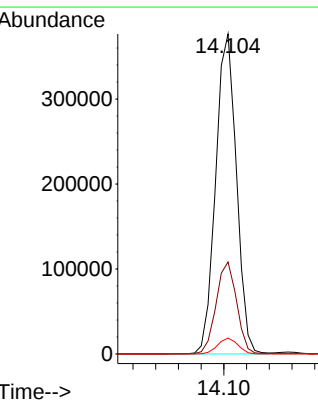
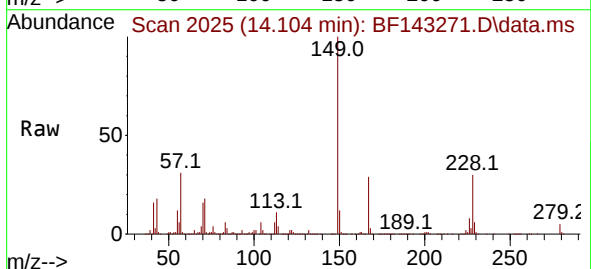
Tgt Ion:149 Resp: 478245

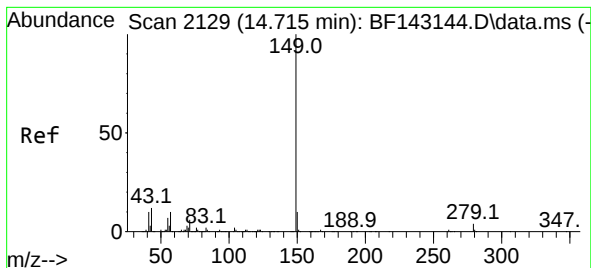
Ion Ratio Lower Upper

149 100

167 28.8 22.3 33.5

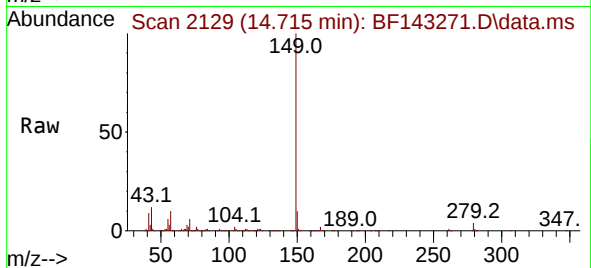
279 5.0 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 41.075 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

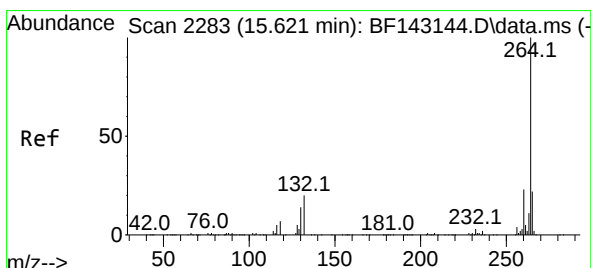
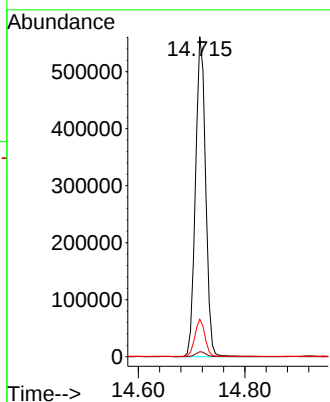
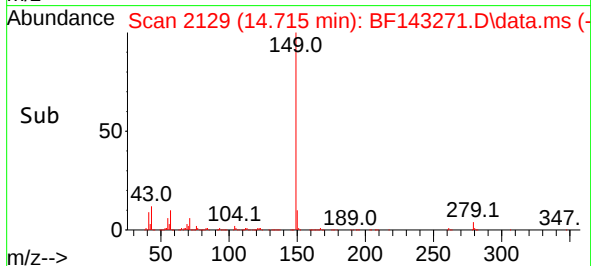
Instrument :
BNA_F
ClientSampleId :
PB168971BS



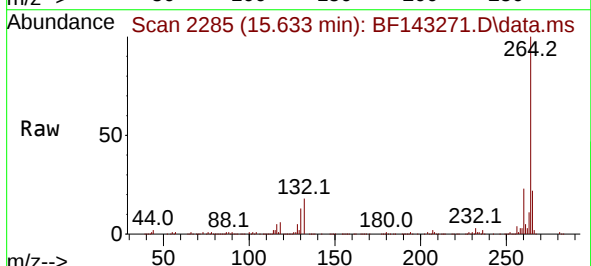
Tgt Ion:149 Resp: 742465
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.4 9.7 14.5

Manual Integrations
APPROVED

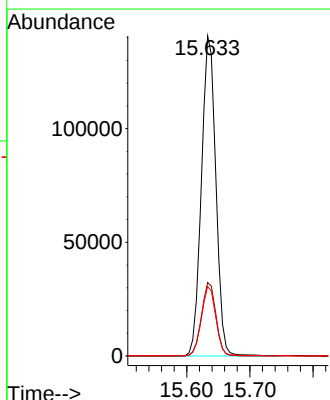
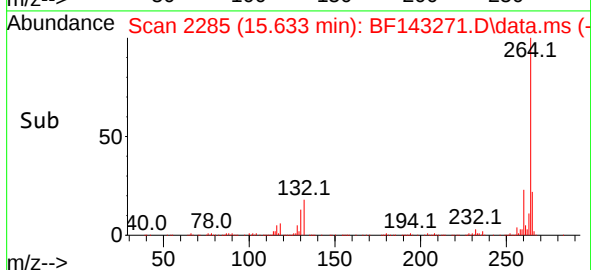
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

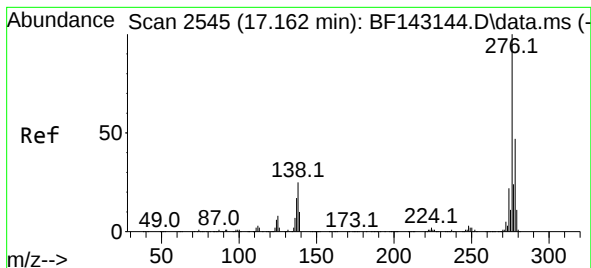


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:264 Resp: 223360
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.568 ng

RT: 17.186 min Scan# 2110

Delta R.T. 0.024 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

Instrument :

BNA_F

ClientSampleId :

PB168971BS

Tgt Ion:276 Resp: 686190

Ion Ratio Lower Upper

276 100

138 24.5 21.8 32.6

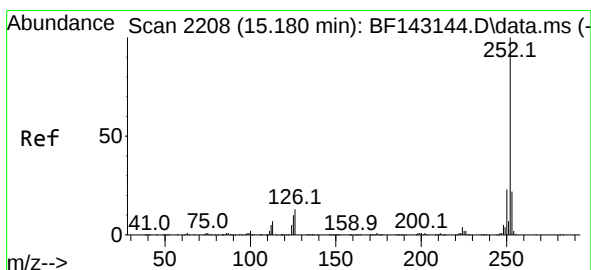
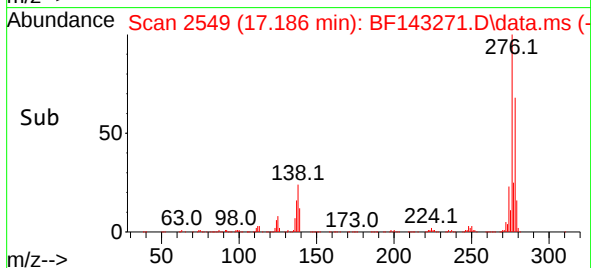
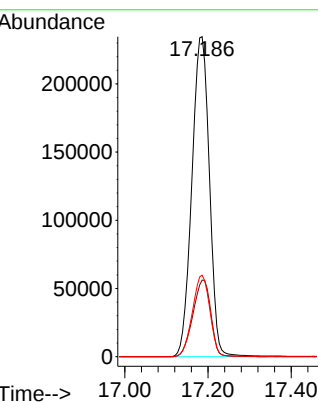
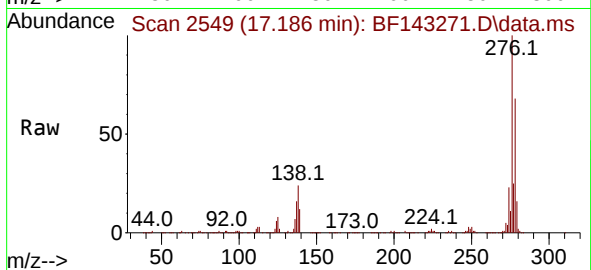
277 25.4 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#88

Benzo(b)fluoranthene

Concen: 44.792 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143271.D

Acq: 30 Jul 2025 16:22

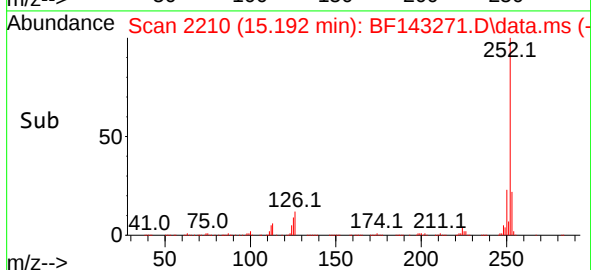
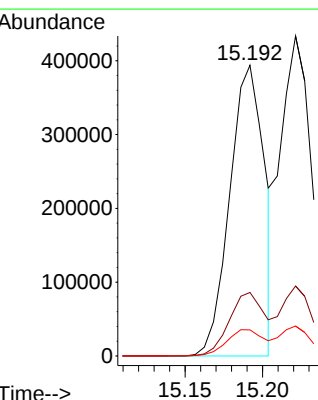
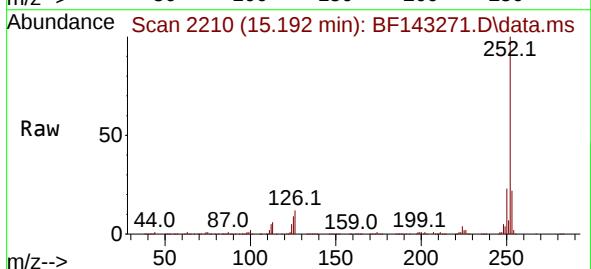
Tgt Ion:252 Resp: 611193

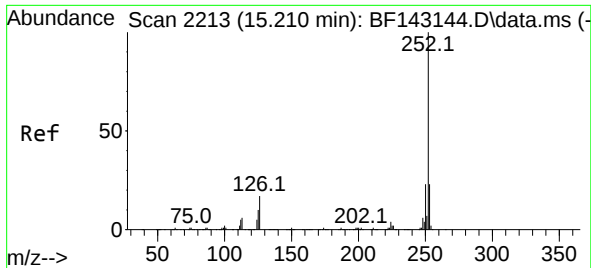
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

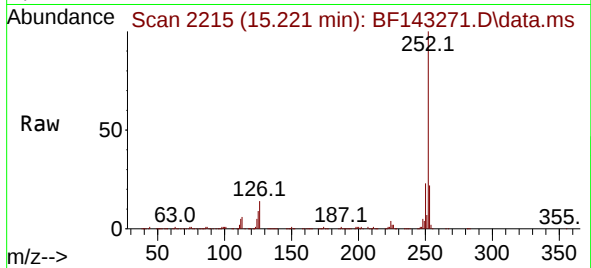
125 9.0 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 50.011 ng
RT: 15.221 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

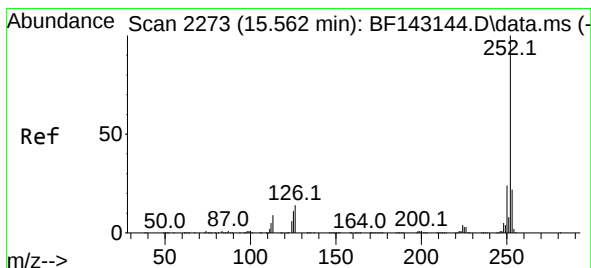
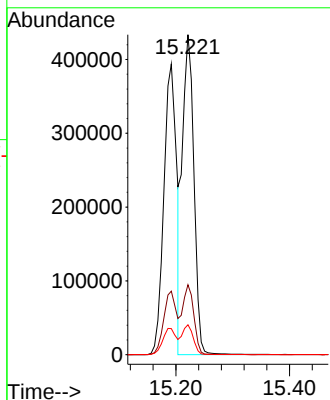
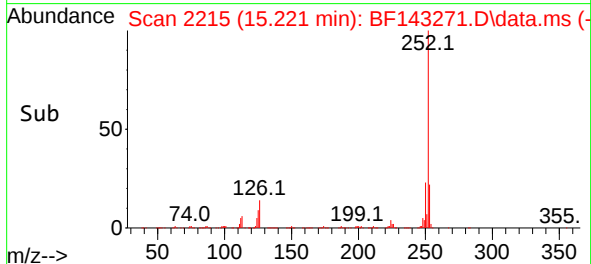
Instrument :
BNA_F
ClientSampleId :
PB168971BS



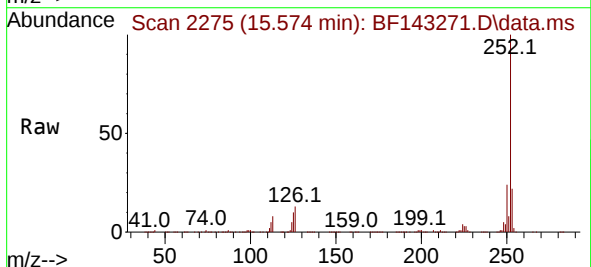
Tgt Ion:252 Resp: 60895
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 9.3 8.1 12.1

Manual Integrations
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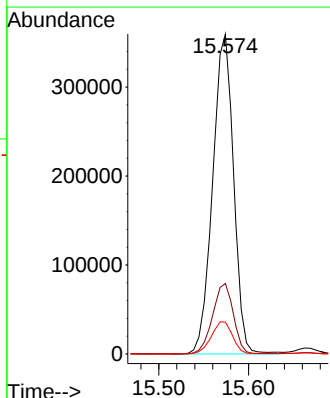
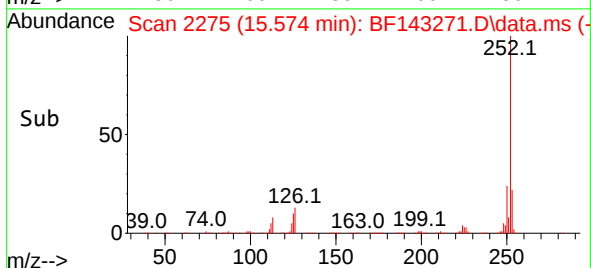
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

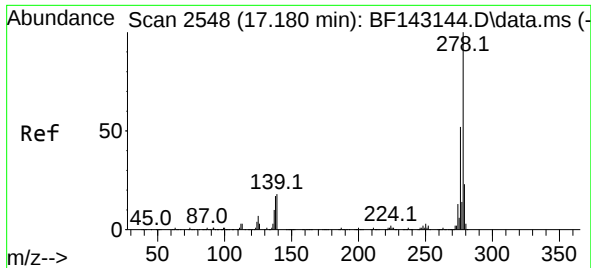


#90
Benzo(a)pyrene
Concen: 46.294 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



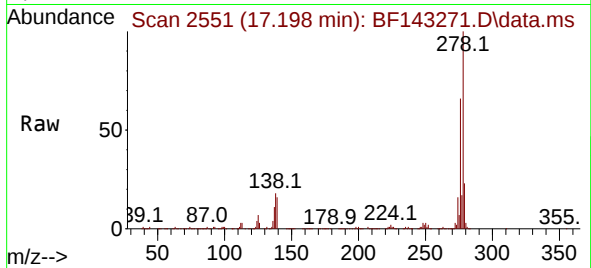
Tgt Ion:252 Resp: 582015
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 9.9 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 43.705 ng
RT: 17.198 min Scan# 2548
Delta R.T. 0.018 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22

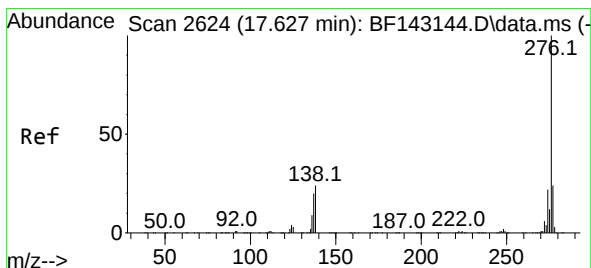
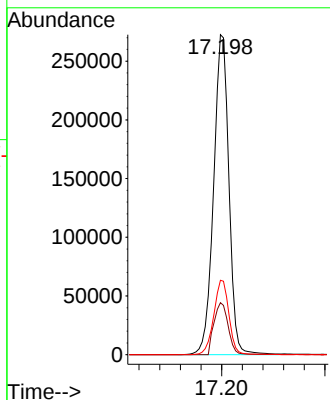
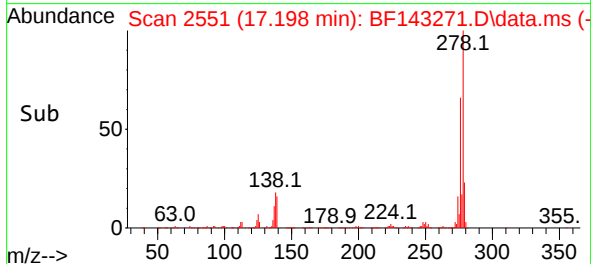
Instrument :
BNA_F
ClientSampleId :
PB168971BS



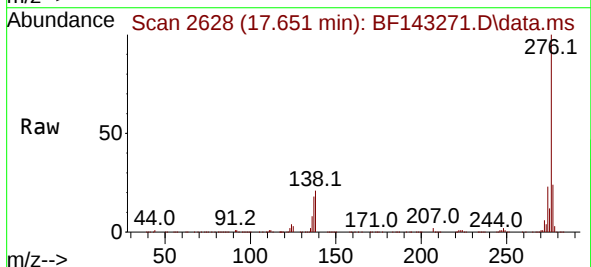
Tgt Ion:278 Resp: 560260
Ion Ratio Lower Upper
278 100
139 16.3 14.1 21.1
279 23.2 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#92
Benzo(g,h,i)perylene
Concen: 43.697 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.023 min
Lab File: BF143271.D
Acq: 30 Jul 2025 16:22



Tgt Ion:276 Resp: 541871
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 21.1 18.9 28.3

