

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
 Data File : BF143272.D
 Acq On : 30 Jul 2025 16:51
 Operator : RC/JU
 Sample : PB168971BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168971BSD

Manual Integrations
 APPROVED

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

Quant Time: Jul 30 17:13:12 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	104468	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	406759	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	215723	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	365952	20.000	ng	0.00
76) Chrysene-d12	14.127	240	212987	20.000	ng	0.00
86) Perylene-d12	15.633	264	212260	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	732144	110.904	ng	0.02
7) Phenol-d6	6.592	99	928026	111.685	ng	0.00
23) Nitrobenzene-d5	7.522	82	638840	78.288	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	289143	129.745	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1183069	75.003	ng	0.00
79) Terphenyl-d14	13.068	244	1143355	79.885	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.904	88	100495	32.172	ng	99
3) Pyridine	3.657	79	282113	34.795	ng	98
4) n-Nitrosodimethylamine	3.599	42	170143	40.645	ng	97
6) Aniline	6.622	93	339268	29.296	ng	# 91
8) 2-Chlorophenol	6.751	128	295347	42.681	ng	97
9) Benzaldehyde	6.510	77	187788	30.139	ng	98
10) Phenol	6.604	94	376879	41.634	ng	91
11) bis(2-Chloroethyl)ether	6.692	93	283607	40.919	ng	98
12) 1,3-Dichlorobenzene	6.904	146	313578	41.715	ng	99
13) 1,4-Dichlorobenzene	6.981	146	315528	41.680	ng	99
14) 1,2-Dichlorobenzene	7.134	146	303626	42.169	ng	100
15) Benzyl Alcohol	7.098	79	275686	43.452	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	505975	39.354	ng	97
17) 2-Methylphenol	7.210	107	248897	42.778	ng	98
18) Hexachloroethane	7.475	117	114774	43.795	ng	97
19) n-Nitroso-di-n-propyla...	7.369	70	217334	40.768	ng	99
20) 3+4-Methylphenols	7.363	107	296479	41.999	ng	# 75
22) Acetophenone	7.369	105	401932	41.737	ng	# 98
24) Nitrobenzene	7.539	77	327352	43.029	ng	100
25) Isophorone	7.781	82	595918	41.368	ng	98
26) 2-Nitrophenol	7.857	139	161567	48.933	ng	99
27) 2,4-Dimethylphenol	7.892	122	275400	40.920	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	355691	41.182	ng	99
29) 2,4-Dichlorophenol	8.098	162	248769	43.829	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	263885	43.035	ng	100
31) Naphthalene	8.263	128	853853	42.624	ng	100
32) Benzoic acid	8.010	122	161477	43.176	ng	98
33) 4-Chloroaniline	8.304	127	159258	19.470	ng	99
34) Hexachlorobutadiene	8.386	225	164034	43.791	ng	100
35) Caprolactam	8.675	113	82548m	48.129	ng	
36) 4-Chloro-3-methylphenol	8.792	107	276483	44.817	ng	99
37) 2-Methylnaphthalene	8.957	142	521678	42.796	ng	100
38) 1-Methylnaphthalene	9.057	142	538424	42.893	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	262276	42.111	ng	98
41) Hexachlorocyclopentadiene	9.116	237	322352	79.544	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	180901	41.968	ng	100

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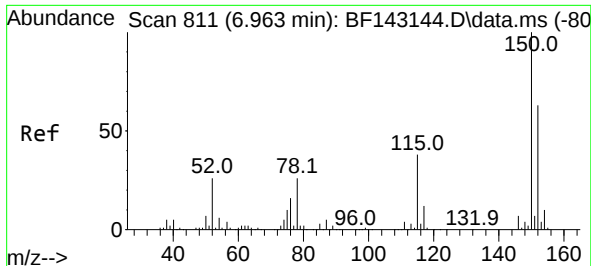
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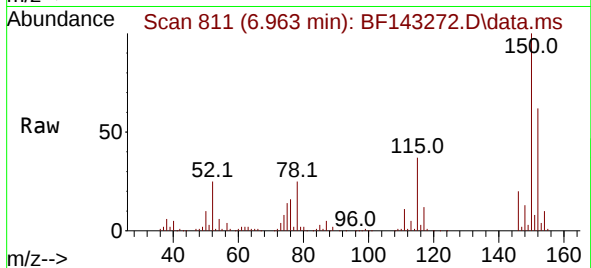
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	191822	44.489	ng	99
46) 1,1'-Biphenyl	9.422	154	716855	42.592	ng	99
47) 2-Chloronaphthalene	9.445	162	527552	42.362	ng	100
48) 2-Nitroaniline	9.533	65	184021	47.120	ng	98
49) Acenaphthylene	9.863	152	884601	42.386	ng	100
50) Dimethylphthalate	9.716	163	624497	44.412	ng	100
51) 2,6-Dinitrotoluene	9.775	165	138044	48.259	ng	99
52) Acenaphthene	10.033	154	590828	47.898	ng	98
53) 3-Nitroaniline	9.945	138	99660	29.786	ng	99
54) 2,4-Dinitrophenol	10.051	184	148155	111.422	ng	# 1
55) Dibenzofuran	10.210	168	761303	41.570	ng	99
56) 4-Nitrophenol	10.110	139	217254	86.955	ng	97
57) 2,4-Dinitrotoluene	10.180	165	185206	51.607	ng	98
58) Fluorene	10.551	166	598771	43.563	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	164010	45.920	ng	98
60) Diethylphthalate	10.416	149	627013	45.114	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	297085	43.407	ng	99
62) 4-Nitroaniline	10.563	138	137830	48.065	ng	96
63) Azobenzene	10.698	77	613274	42.338	ng	100
65) 4,6-Dinitro-2-methylph...	10.592	198	96709	50.139	ng	100
66) n-Nitrosodiphenylamine	10.657	169	531852	41.273	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	184379	42.277	ng	98
68) Hexachlorobenzene	11.104	284	192968	42.333	ng	98
69) Atrazine	11.180	200	170351	47.951	ng	99
70) Pentachlorophenol	11.292	266	227184	84.749	ng	100
71) Phenanthrene	11.516	178	830850	42.759	ng	100
72) Anthracene	11.563	178	847924	42.787	ng	100
73) Carbazole	11.716	167	767496	44.353	ng	100
74) Di-n-butylphthalate	12.045	149	915048	46.734	ng	100
75) Fluoranthene	12.704	202	820690	46.016	ng	99
77) Benzidine	12.816	184	249637	30.422	ng	99
78) Pyrene	12.933	202	814026	44.783	ng	99
80) Butylbenzylphthalate	13.539	149	310693	55.818	ng	99
81) Benzo(a)anthracene	14.115	228	642816	45.080	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	129138	27.172	ng	99
83) Chrysene	14.157	228	550773	42.960	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	408428	48.479	ng	100
85) Di-n-octyl phthalate	14.715	149	660955	43.281	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	659532	44.065	ng	97
88) Benzo(b)fluoranthene	15.192	252	568804	43.865	ng	99
89) Benzo(k)fluoranthene	15.221	252	550326	47.560	ng	98
90) Benzo(a)pyrene	15.574	252	539386	45.147	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	536193	44.014	ng	97
92) Benzo(g,h,i)perylene	17.651	276	521556	44.258	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

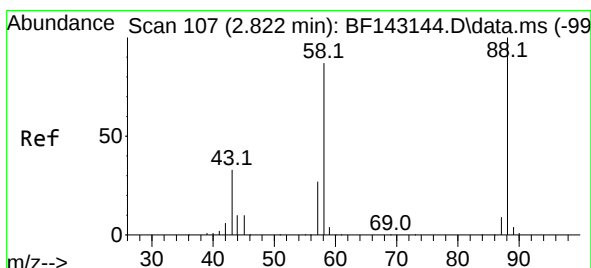
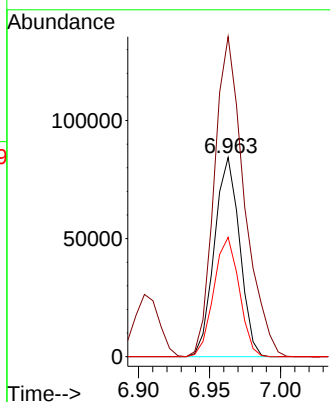
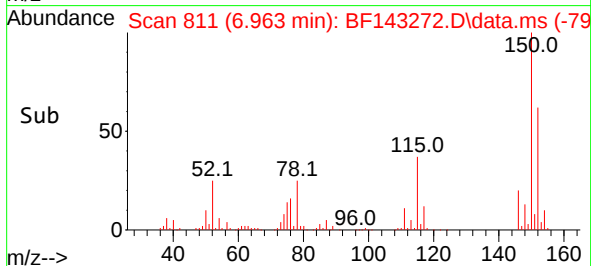
Instrument :
BNA_F
ClientSampleId :
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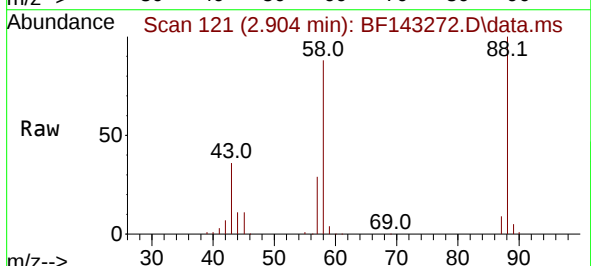
Tgt Ion:152 Resp: 104468
Ion Ratio Lower Upper
152 100
150 160.7 128.2 192.4
115 60.0 47.9 71.9

Manual Integrations
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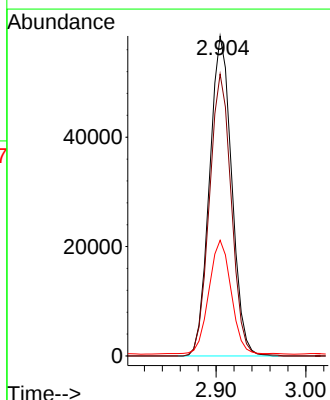
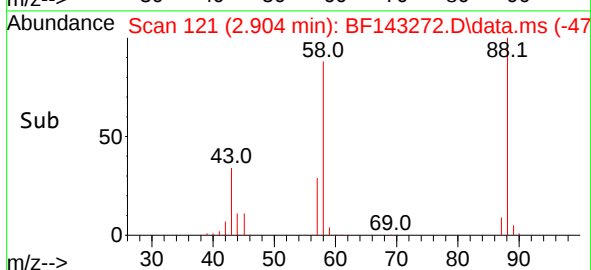
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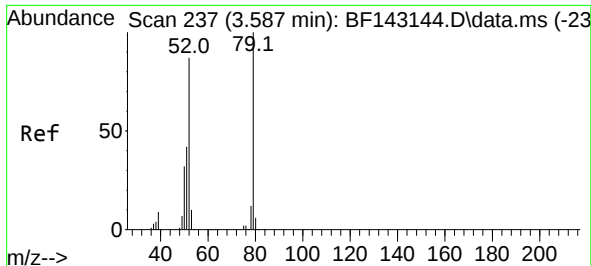


#2
1,4-Dioxane
Concen: 32.172 ng
RT: 2.904 min Scan# 121
Delta R.T. 0.082 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



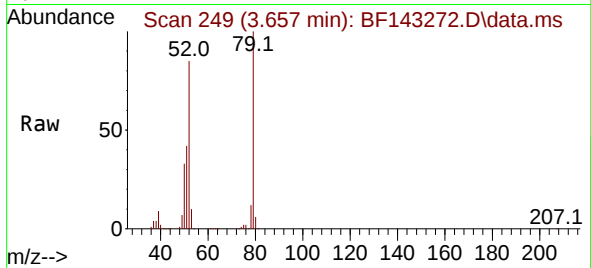
Tgt Ion: 88 Resp: 100495
Ion Ratio Lower Upper
88 100
58 87.2 70.2 105.2
43 36.0 27.1 40.7





#3
Pyridine
Concen: 34.795 ng
RT: 3.657 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

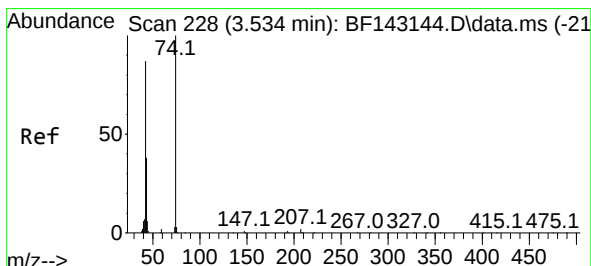
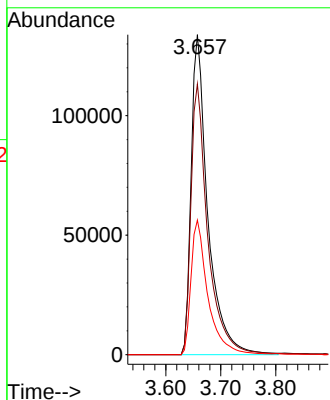
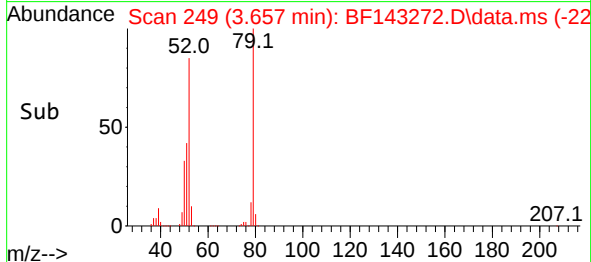
Instrument :
BNA_F
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Tgt Ion: 79 Resp: 28211
Ion Ratio Lower Upper
79 100
52 84.6 69.4 104.2
51 42.0 33.5 50.3

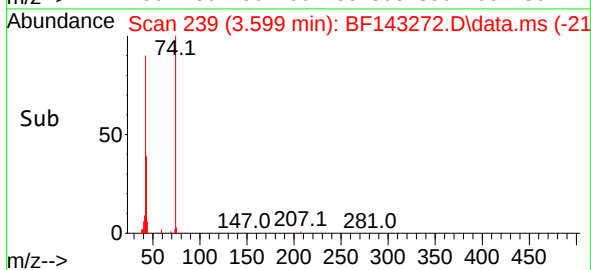
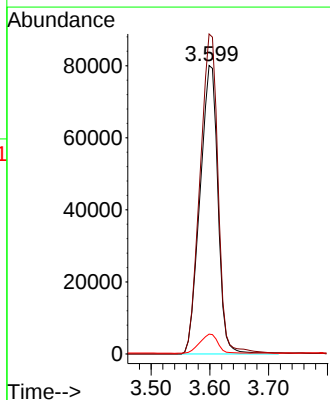
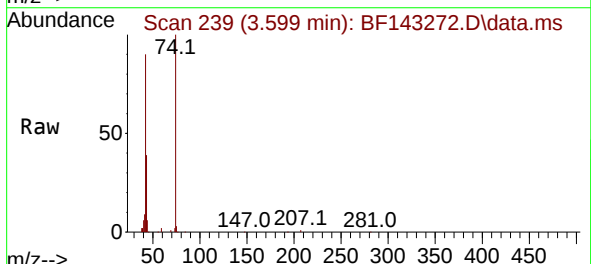
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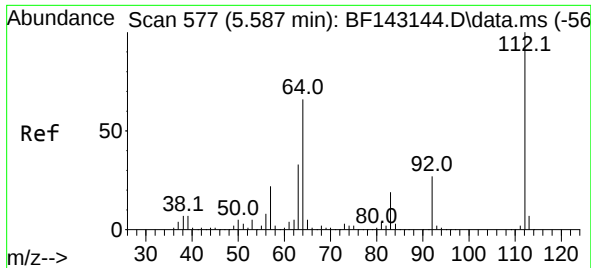
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#4
n-Nitrosodimethylamine
Concen: 40.645 ng
RT: 3.599 min Scan# 239
Delta R.T. 0.065 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion: 42 Resp: 170143
Ion Ratio Lower Upper
42 100
74 110.9 91.7 137.5
44 6.9 5.6 8.4





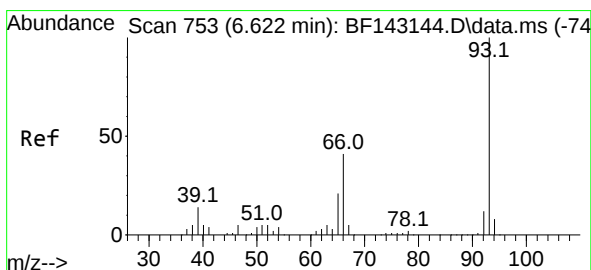
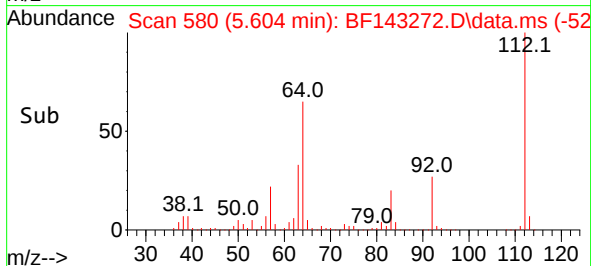
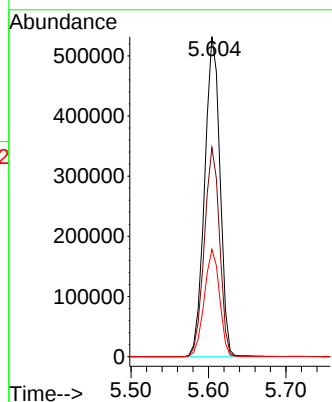
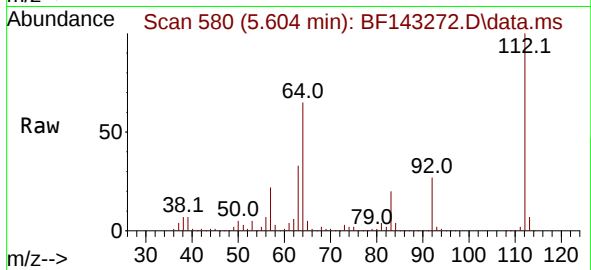
#5
2-Fluorophenol
Concen: 110.904 ng
RT: 5.604 min Scan# 577
Delta R.T. 0.018 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

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Tgt Ion:112 Resp: 732144
Ion Ratio Lower Upper
112 100
64 65.4 53.1 79.7
63 33.5 26.6 40.0

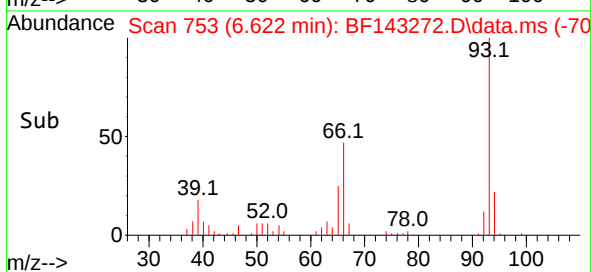
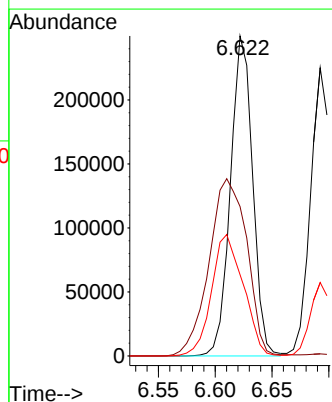
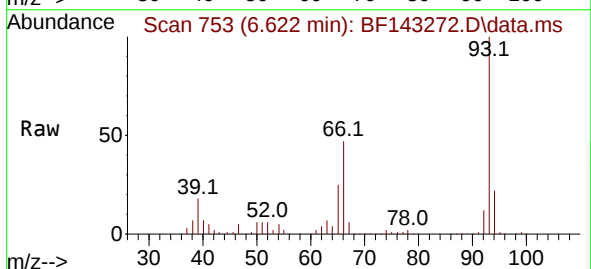
Manual Integrations
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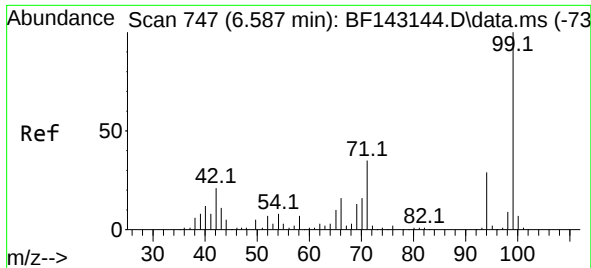
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#6
Aniline
Concen: 29.296 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion: 93 Resp: 339268
Ion Ratio Lower Upper
93 100
66 46.7 33.2 49.8
65 25.4 16.9 25.3





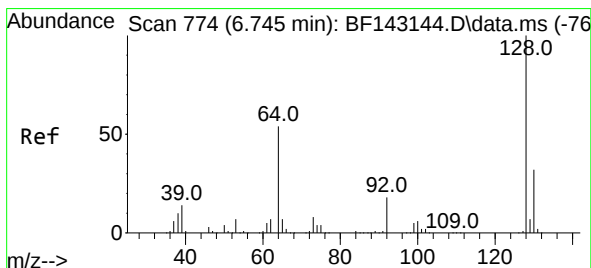
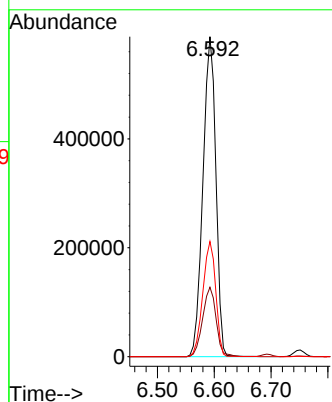
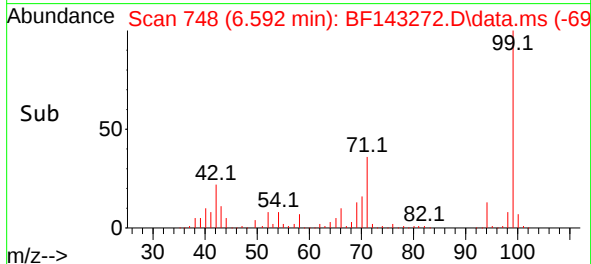
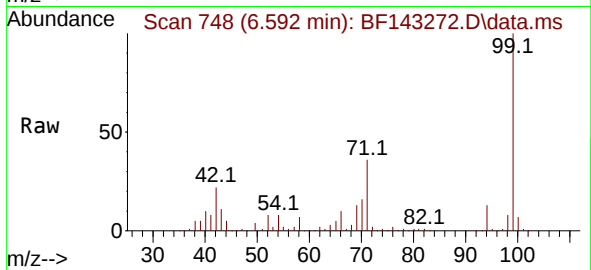
#7
Phenol-d6
Concen: 111.685 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 928020
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 36.0 27.7 41.5

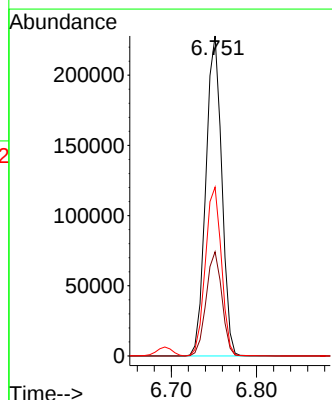
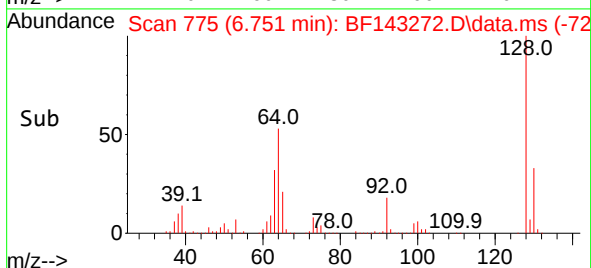
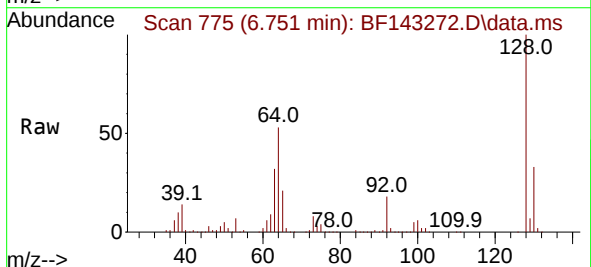
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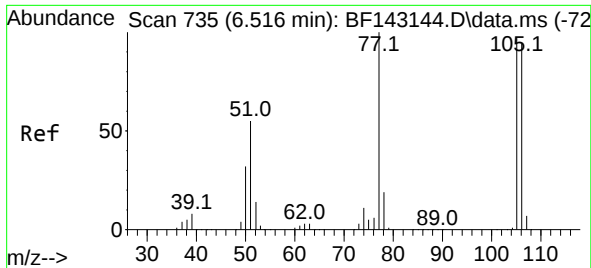
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#8
2-Chlorophenol
Concen: 42.681 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion:128 Resp: 295347
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 52.8 35.9 75.9





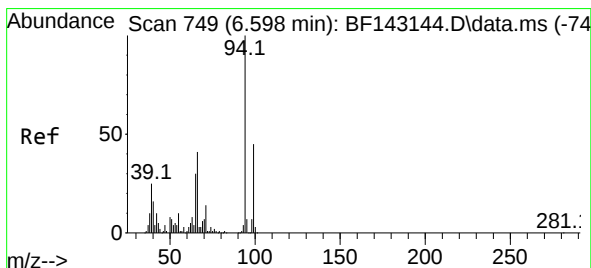
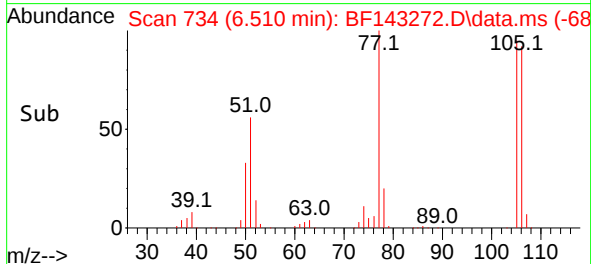
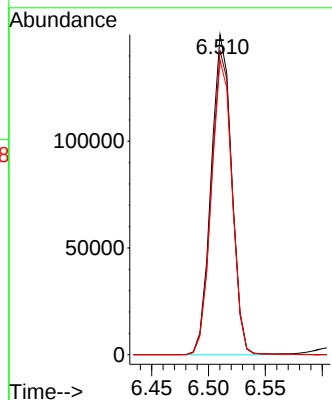
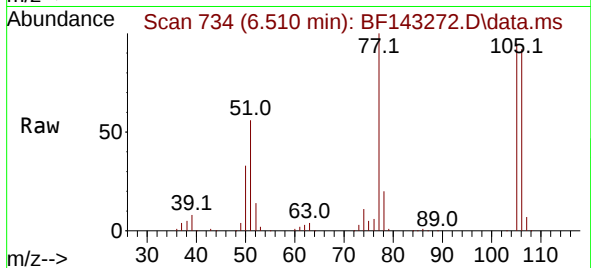
#9
Benzaldehyde
Concen: 30.139 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Tgt Ion: 77 Resp: 18778
Ion Ratio Lower Upper
77 100
105 95.0 76.8 116.8
106 91.9 74.4 114.4

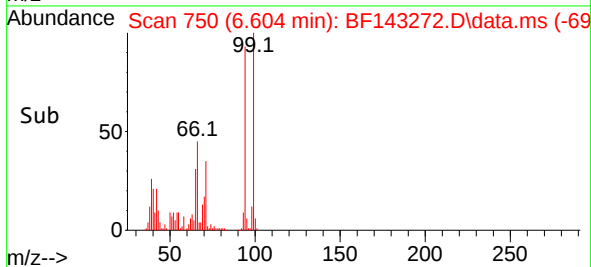
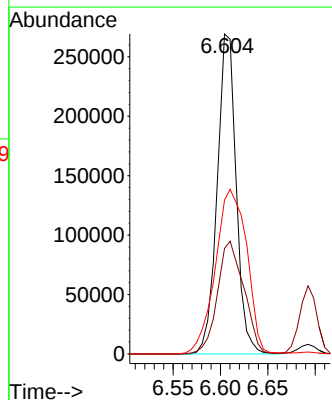
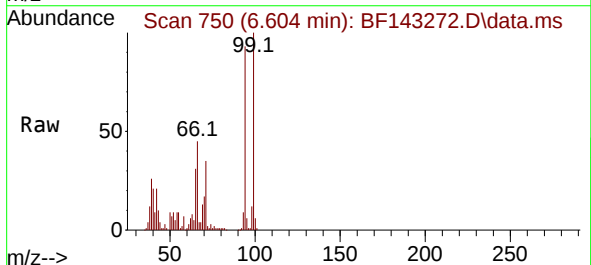
Manual Integrations
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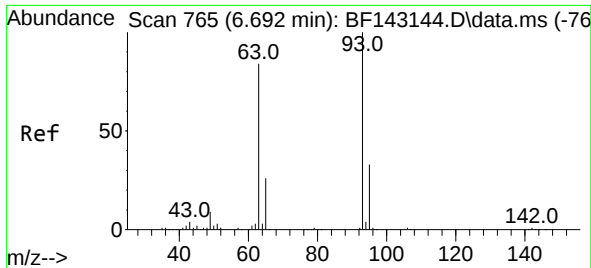
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#10
Phenol
Concen: 41.634 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion: 94 Resp: 376879
Ion Ratio Lower Upper
94 100
65 33.0 10.0 50.0
66 48.1 20.8 60.8





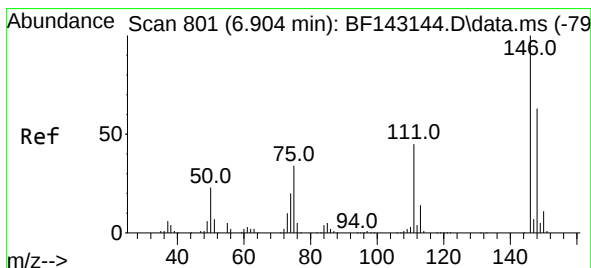
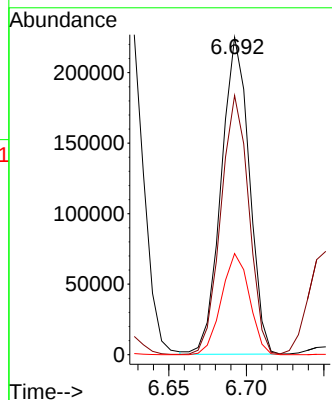
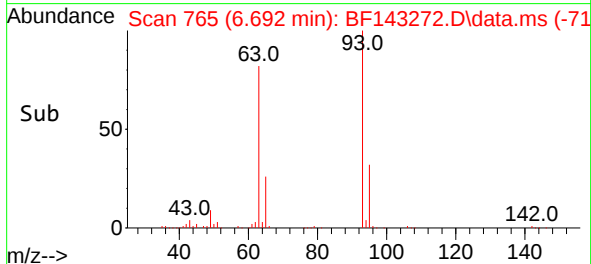
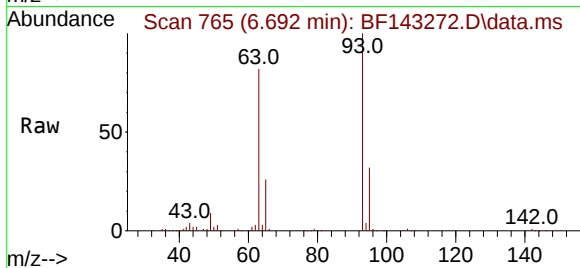
#11
bis(2-Chloroethyl)ether
Concen: 40.919 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Tgt Ion: 93 Resp: 28360
Ion Ratio Lower Upper
93 100
63 81.7 63.4 103.4
95 31.8 12.4 52.4

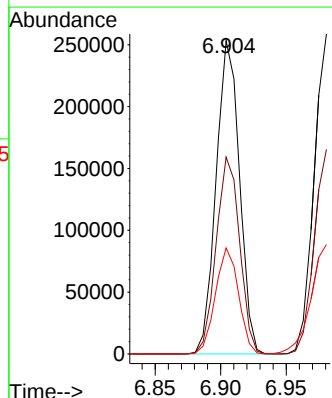
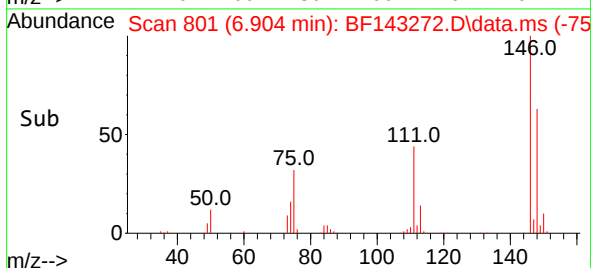
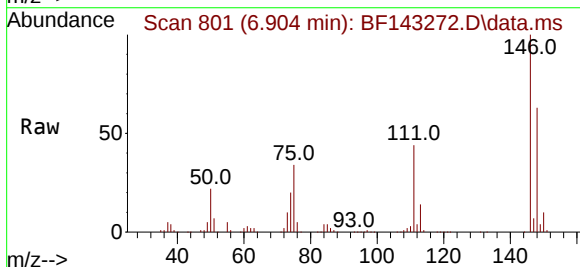
Manual Integrations
APPROVED

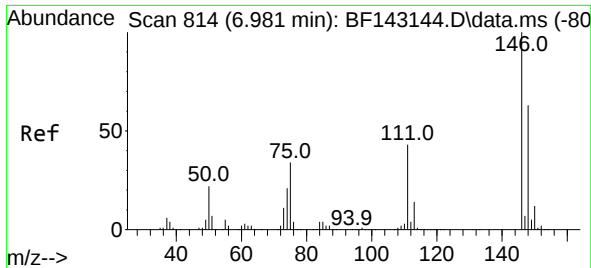
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#12
1,3-Dichlorobenzene
Concen: 41.715 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion:146 Resp: 313578
Ion Ratio Lower Upper
146 100
148 62.8 50.6 76.0
75 33.9 27.4 41.2





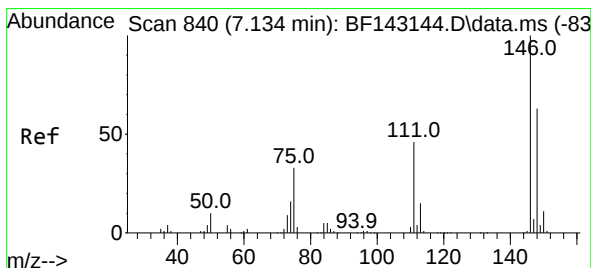
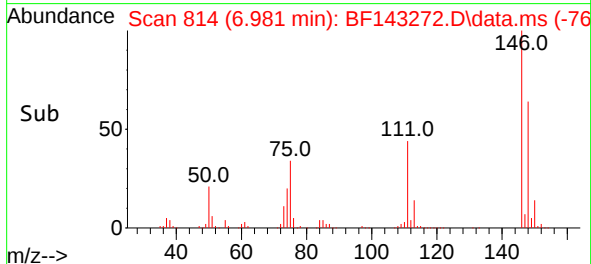
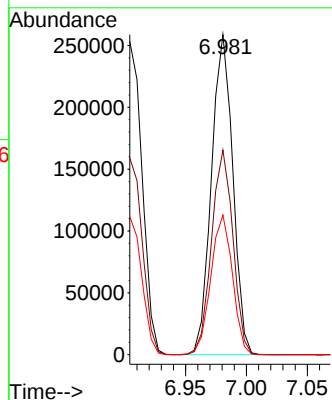
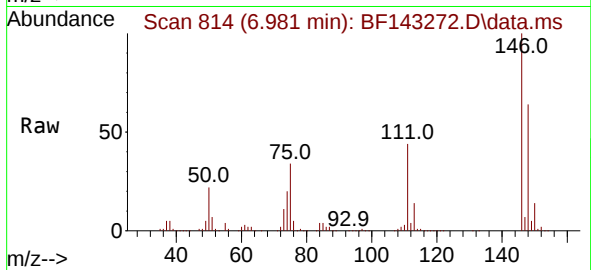
#13
1,4-Dichlorobenzene
Concen: 41.680 ng
RT: 6.981 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Tgt Ion:146 Resp: 31528
Ion Ratio Lower Upper
146 100
148 63.9 50.3 75.5
111 43.7 34.4 51.6

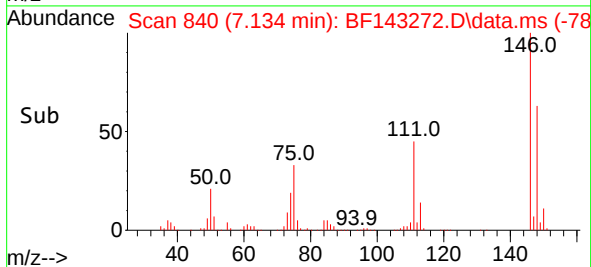
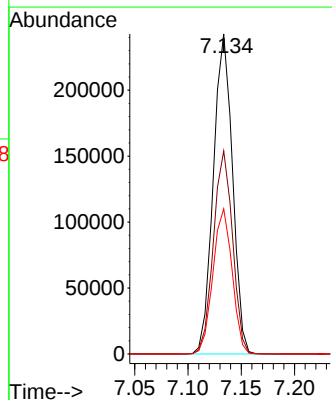
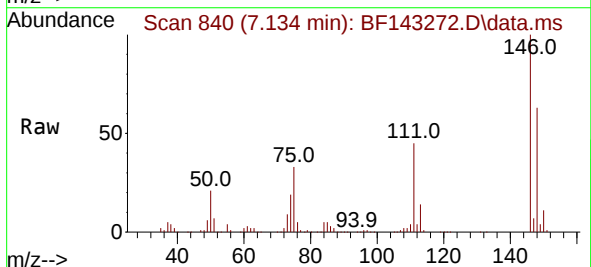
Manual Integrations
APPROVED

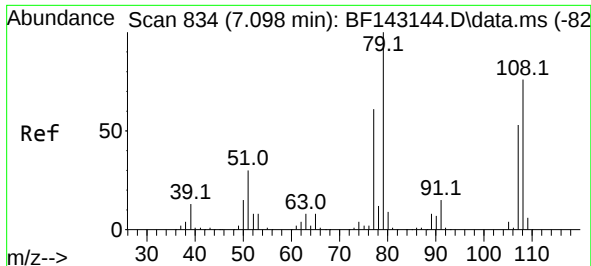
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#14
1,2-Dichlorobenzene
Concen: 42.169 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion:146 Resp: 303626
Ion Ratio Lower Upper
146 100
148 63.5 50.7 76.1
111 45.4 36.6 54.8





#15
Benzyl Alcohol
Concen: 43.452 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

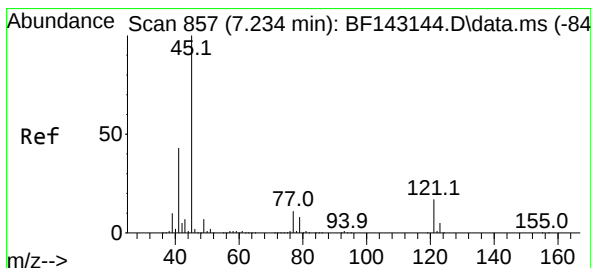
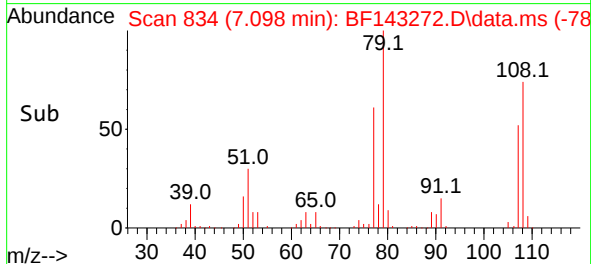
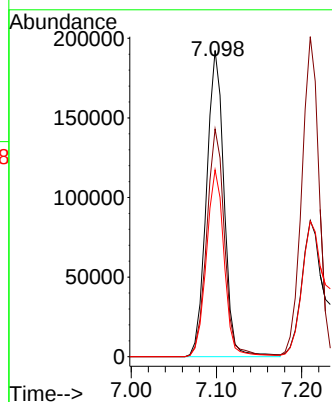
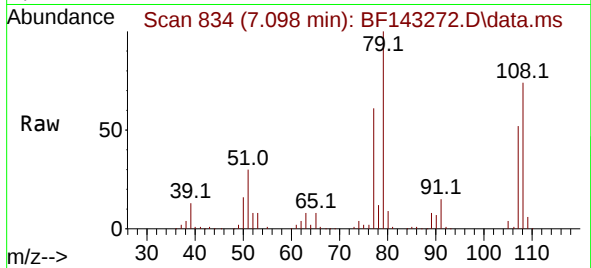
ClientSampleId :

PB168971BSD

Tgt Ion: 79 Resp: 275680
Ion Ratio Lower Upper
79 100
108 74.4 61.1 91.7
77 61.0 48.9 73.3

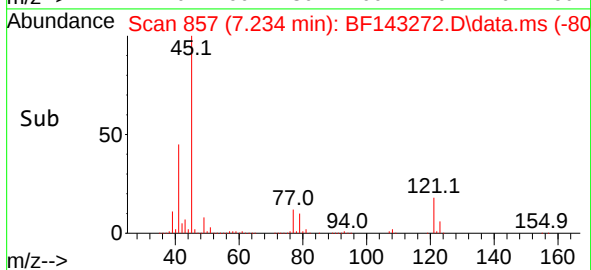
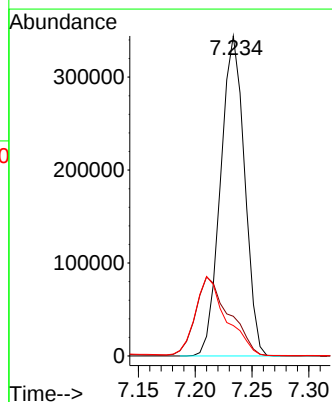
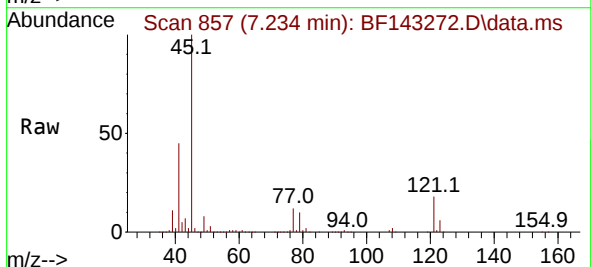
Manual Integrations
APPROVED

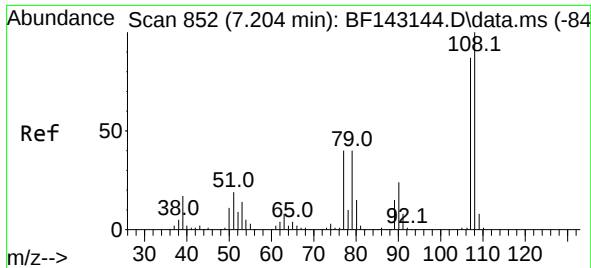
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.354 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion: 45 Resp: 505975
Ion Ratio Lower Upper
45 100
77 12.4 0.0 31.2
79 9.5 0.0 28.5





#17
2-Methylphenol
Concen: 42.778 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

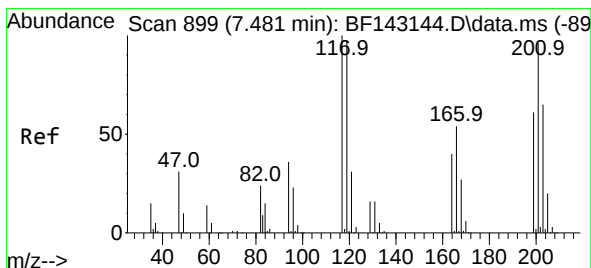
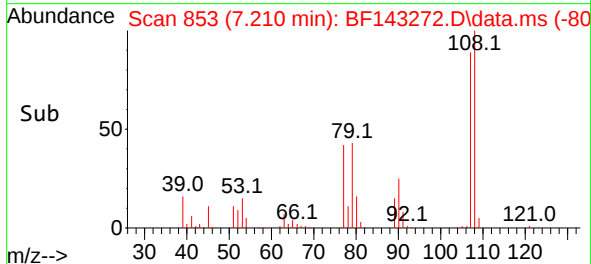
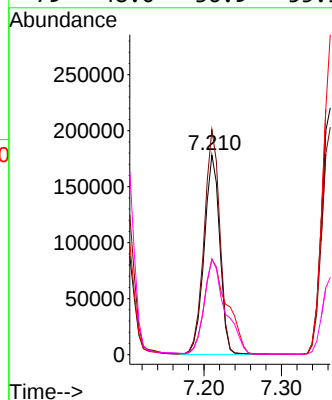
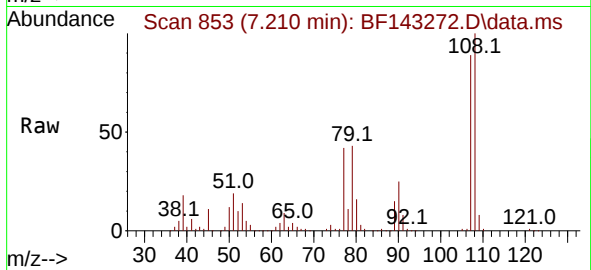
ClientSampleId :

PB168971BSD

Tgt Ion:107 Resp: 24889
Ion Ratio Lower Upper
107 100
108 112.7 91.8 137.6
77 47.7 37.0 55.6
79 48.0 36.9 55.3

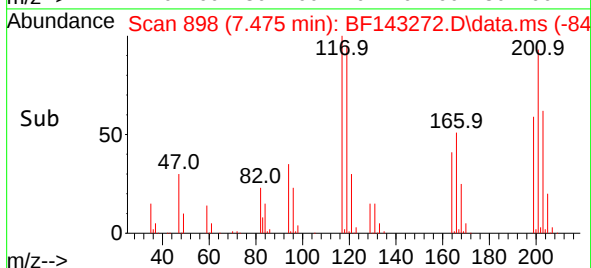
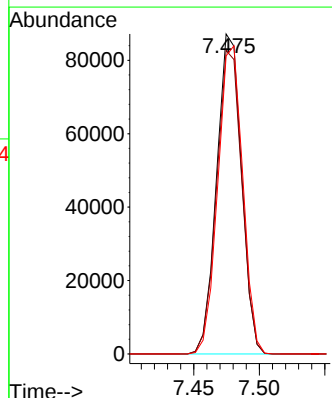
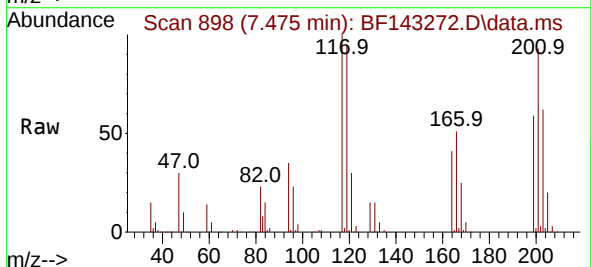
Manual Integrations
APPROVED

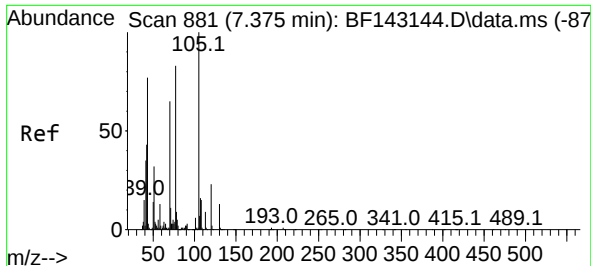
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#18
Hexachloroethane
Concen: 43.795 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

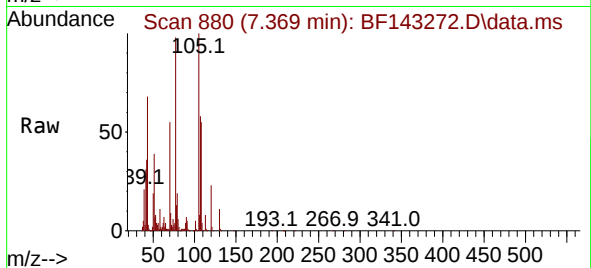
Tgt Ion:117 Resp: 114774
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.8
201 93.1 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 40.768 ng
RT: 7.369 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

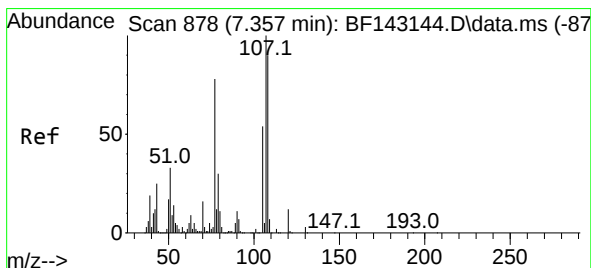
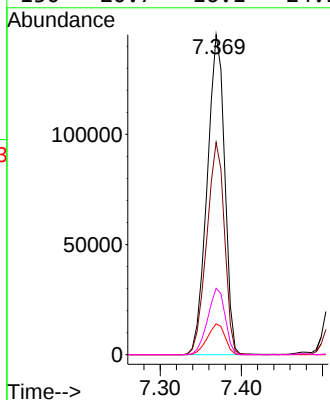
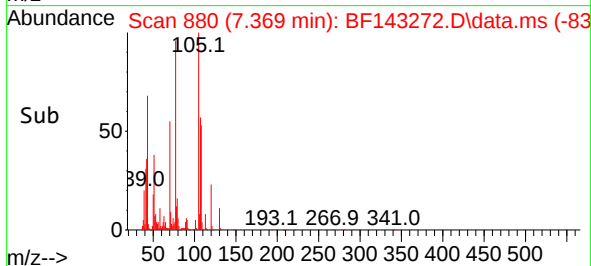
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



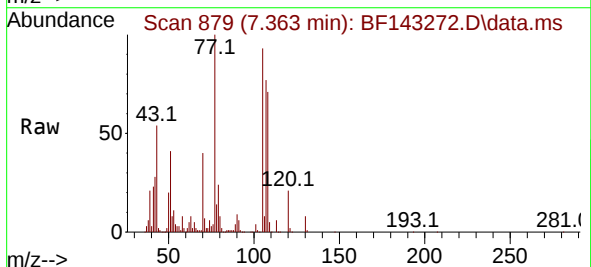
Tgt Ion: 70 Resp: 217334
Ion Ratio Lower Upper
70 100
42 66.4 52.5 78.7
101 9.7 7.6 11.4
130 20.7 16.1 24.1

Manual Integrations
APPROVED

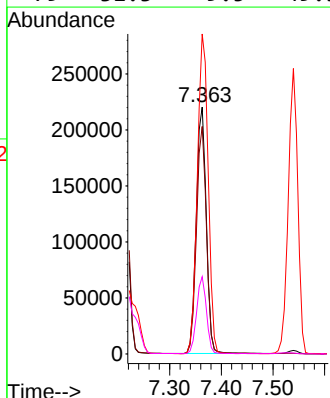
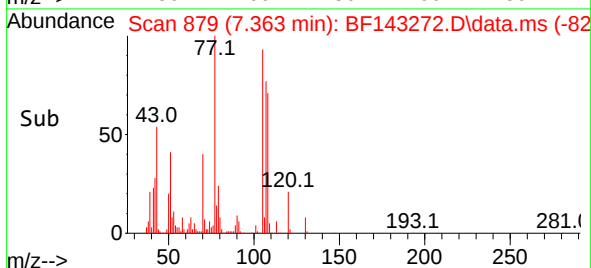
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

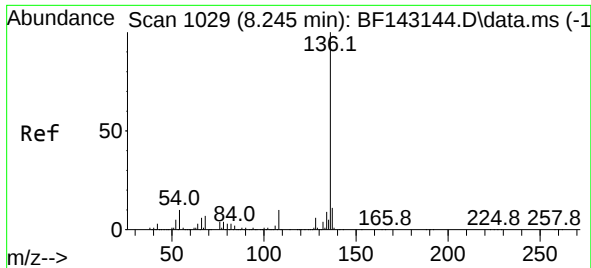


#20
3+4-Methylphenols
Concen: 41.999 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion:107 Resp: 296479
Ion Ratio Lower Upper
107 100
108 92.1 70.0 110.0
77 129.6 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: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

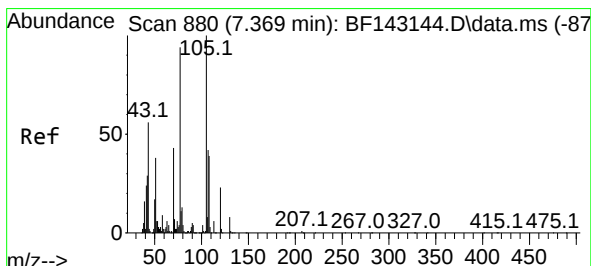
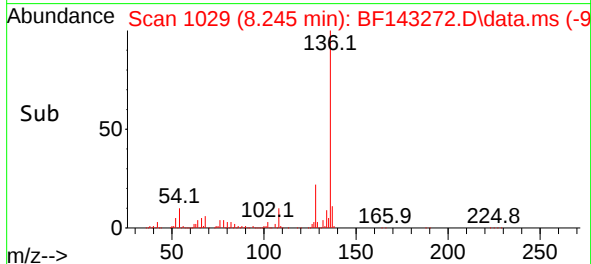
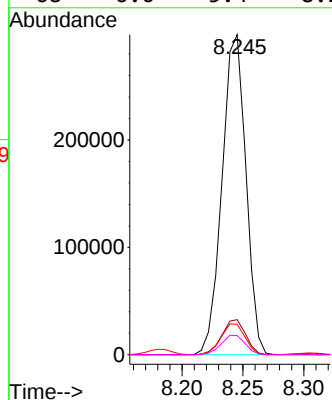
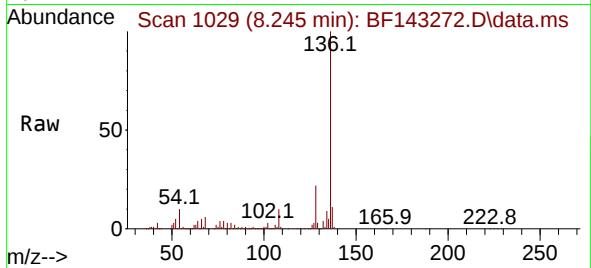
PB168971BSD

Tgt Ion:136 Resp: 406759
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.5 8.2 12.2
68 6.0 5.4 8.2

Manual Integrations

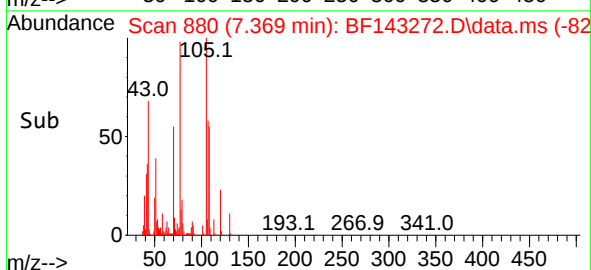
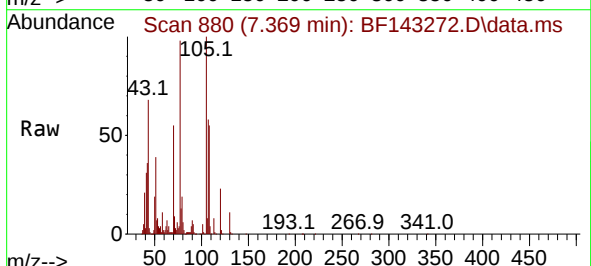
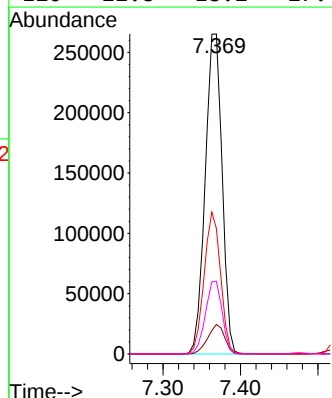
APPROVED

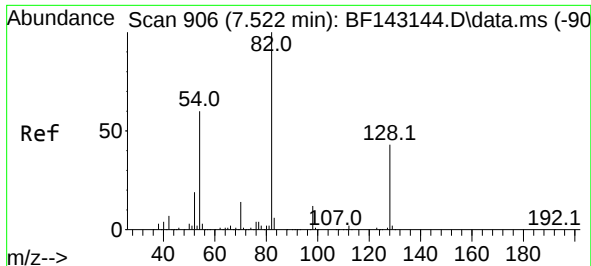
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#22
Acetophenone
Concen: 41.737 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion:105 Resp: 401932
Ion Ratio Lower Upper
105 100
71 9.2 5.8 8.6#
51 39.3 30.2 45.2
120 22.8 18.2 27.4





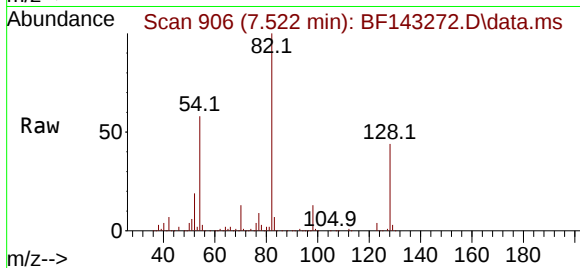
#23
Nitrobenzene-d5
Concen: 78.288 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

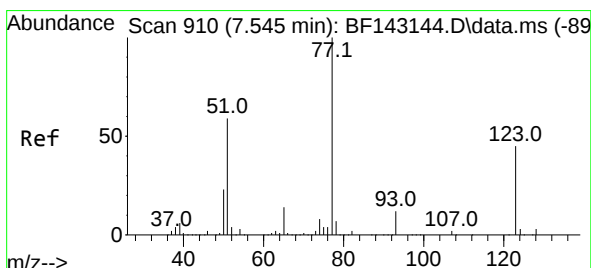
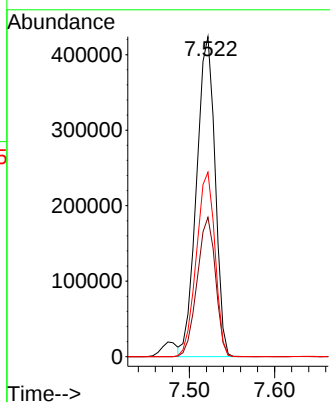
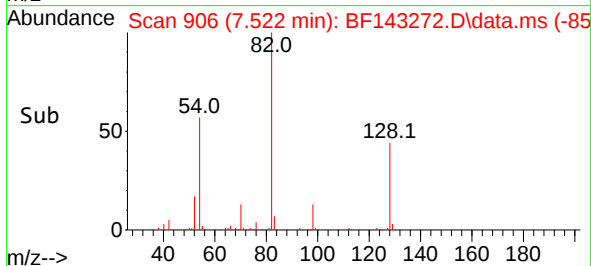


Tgt Ion: 82 Resp: 638840
Ion Ratio Lower Upper
82 100
128 43.5 33.6 50.4
54 57.6 47.1 70.7

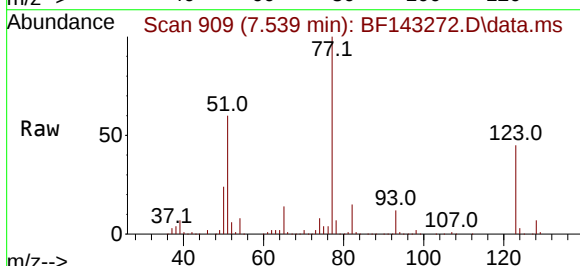
Manual Integrations

APPROVED

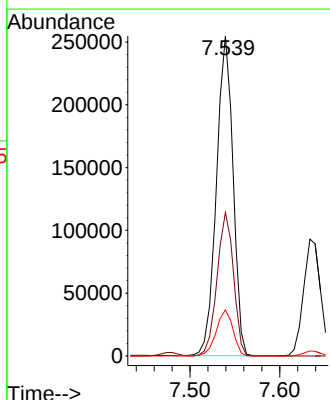
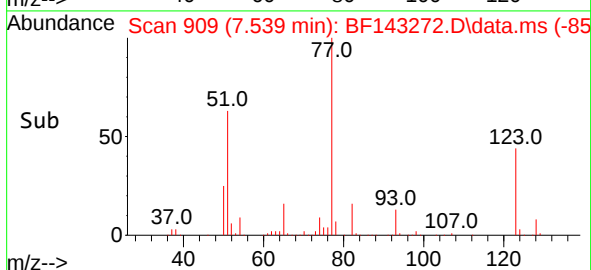
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

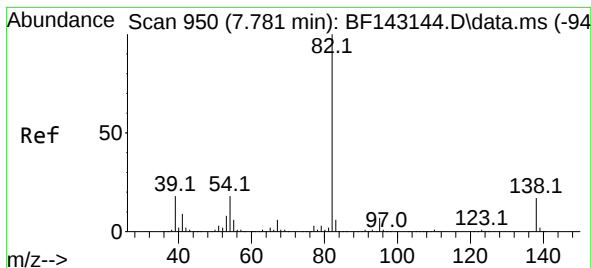


#24
Nitrobenzene
Concen: 43.029 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion: 77 Resp: 327352
Ion Ratio Lower Upper
77 100
123 44.8 36.1 54.1
65 14.4 11.4 17.2





#25

Isophorone

Concen: 41.368 ng

RT: 7.781 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

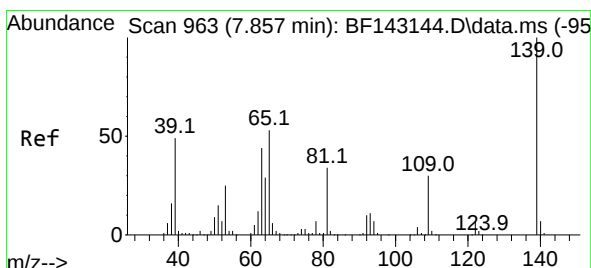
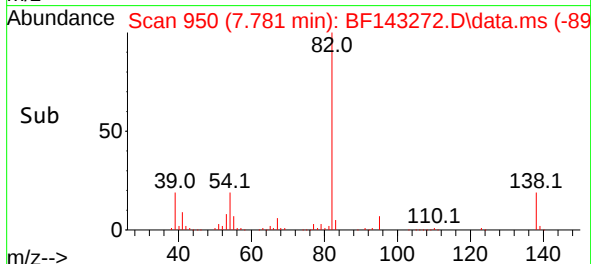
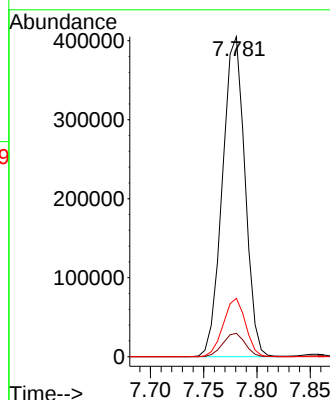
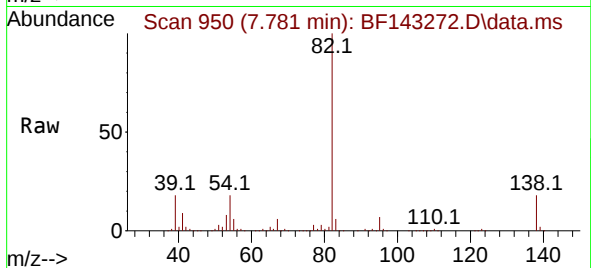
Tgt Ion: 82 Resp: 595918
 Ion Ratio Lower Upper
 82 100
 95 7.3 5.5 8.3
 138 18.2 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#26

2-Nitrophenol

Concen: 48.933 ng

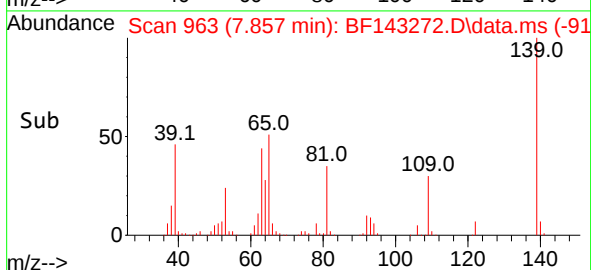
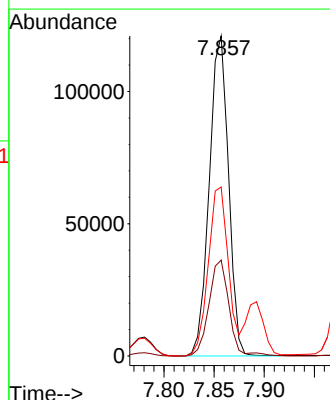
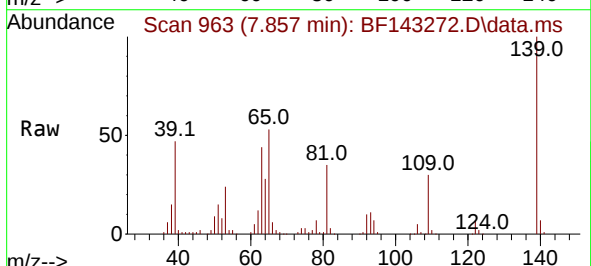
RT: 7.857 min Scan# 963

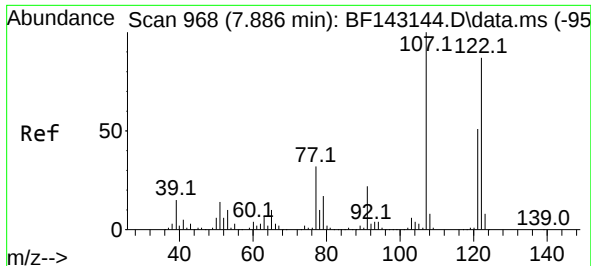
Delta R.T. -0.000 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Tgt Ion:139 Resp: 161567
 Ion Ratio Lower Upper
 139 100
 109 30.0 23.6 35.4
 65 52.8 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 40.920 ng

RT: 7.892 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

Tgt Ion:122 Resp: 275400

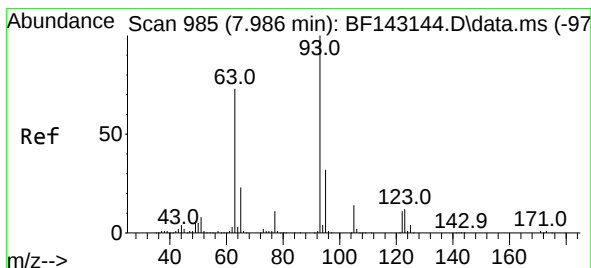
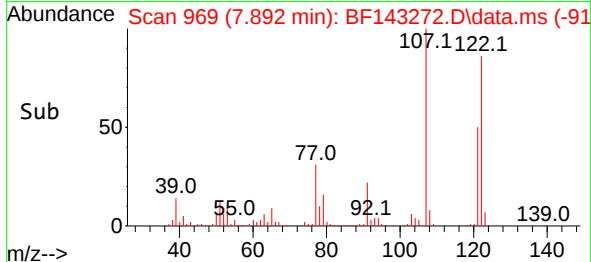
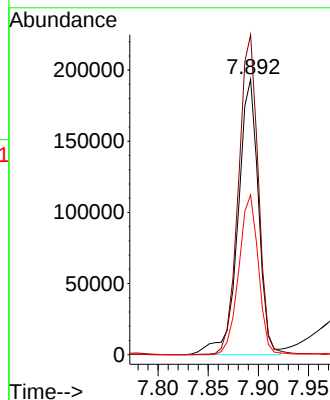
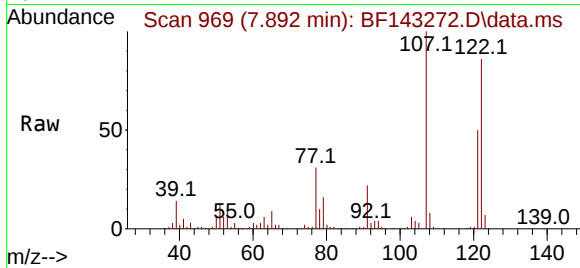
Ion	Ratio	Lower	Upper
122	100		
107	116.2	91.8	137.6
121	58.0	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#28

bis(2-Chloroethoxy)methane

Concen: 41.182 ng

RT: 7.986 min Scan# 985

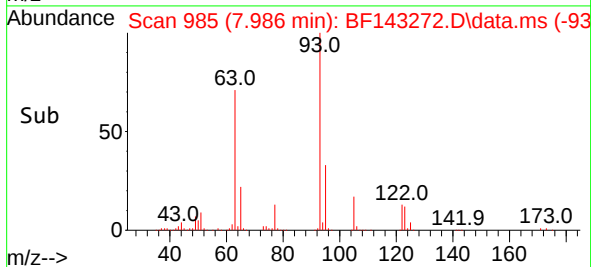
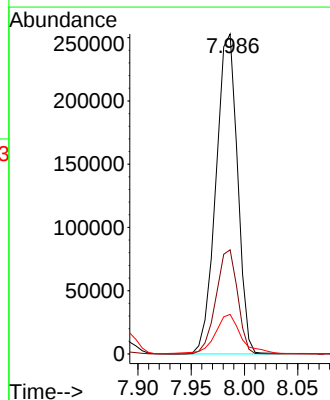
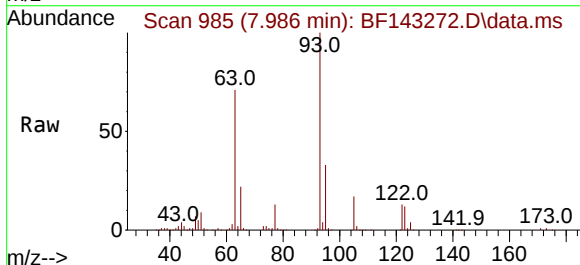
Delta R.T. -0.000 min

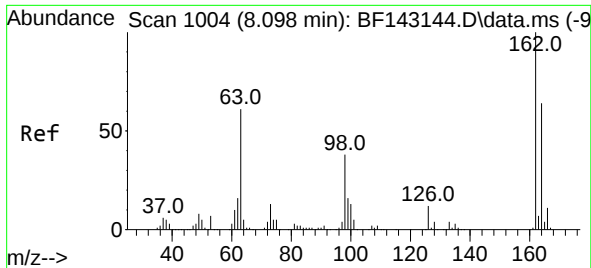
Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Tgt Ion: 93 Resp: 355691

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.6
123	12.3	9.7	14.5





#29

2,4-Dichlorophenol

Concen: 43.829 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

Tgt Ion:162 Resp: 248769

Ion Ratio Lower Upper

162 100

164 63.3 44.2 84.2

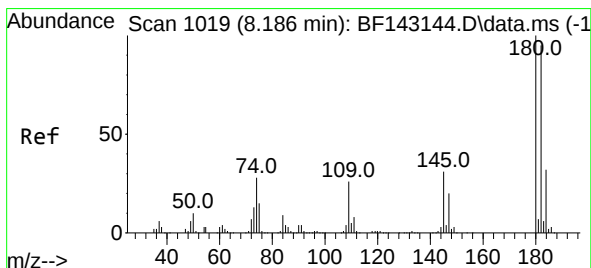
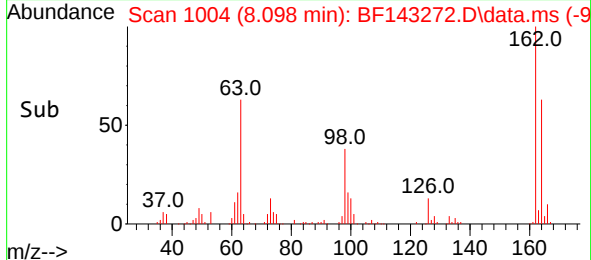
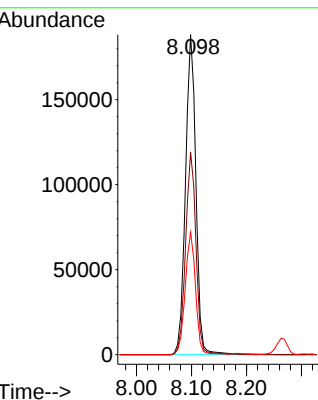
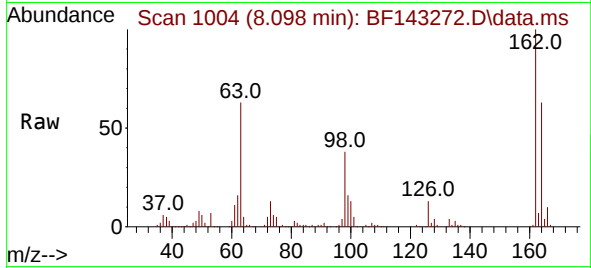
98 38.2 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#30

1,2,4-Trichlorobenzene

Concen: 43.035 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

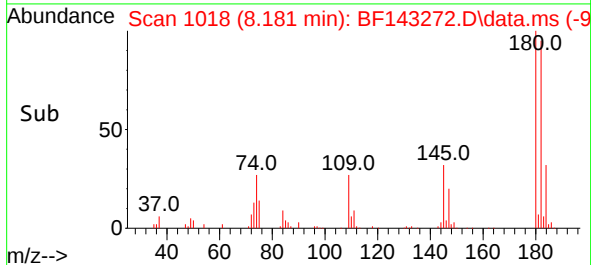
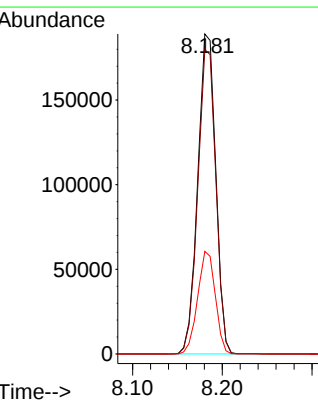
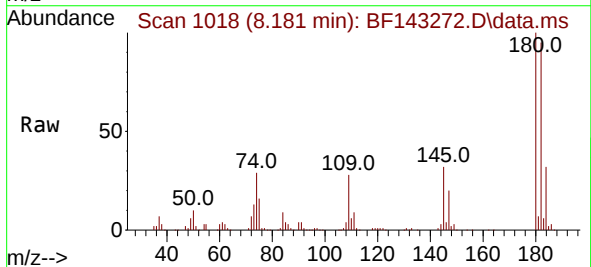
Tgt Ion:180 Resp: 263885

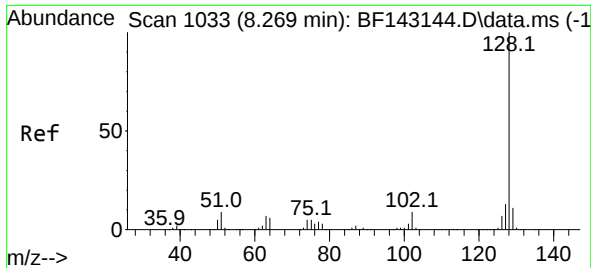
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

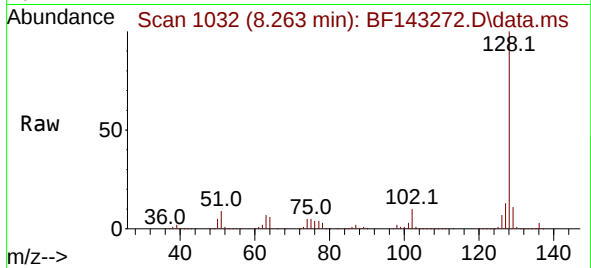
145 32.1 25.0 37.6





#31
Naphthalene
Concen: 42.624 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

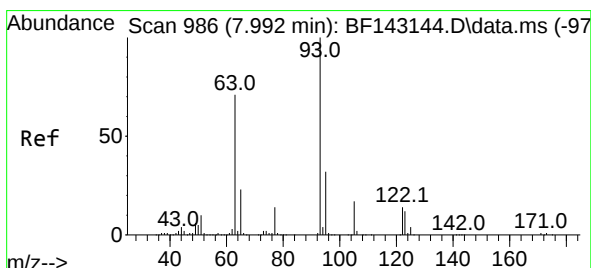
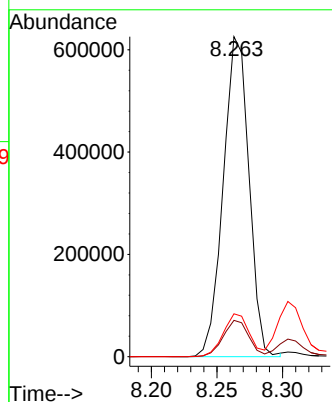
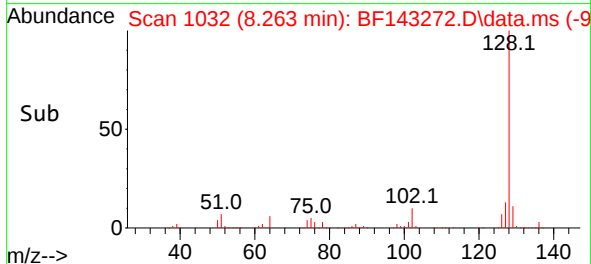
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



Tgt Ion:128 Resp: 85385
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.4 10.6 16.0

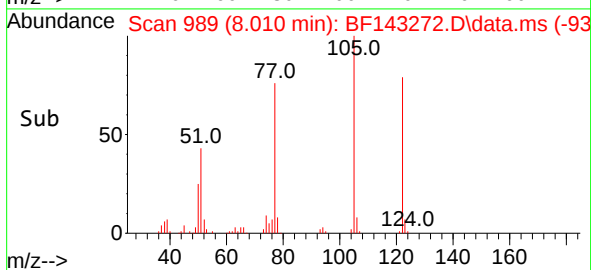
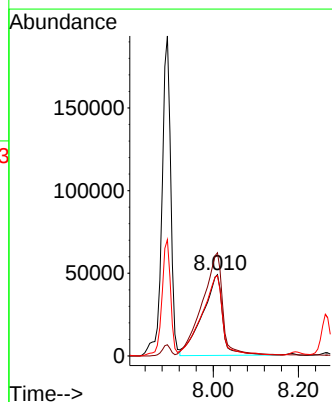
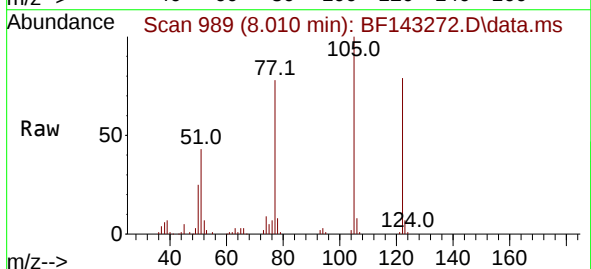
Manual Integrations
APPROVED

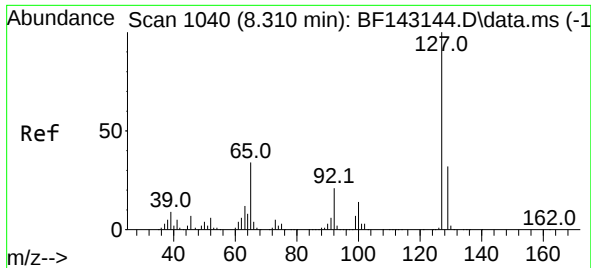
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#32
Benzoic acid
Concen: 43.176 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion:122 Resp: 161477
Ion Ratio Lower Upper
122 100
105 126.9 104.8 144.8
77 98.7 77.6 117.6





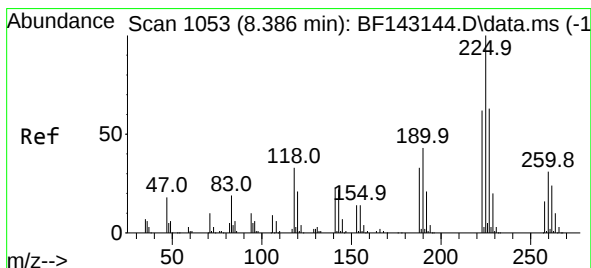
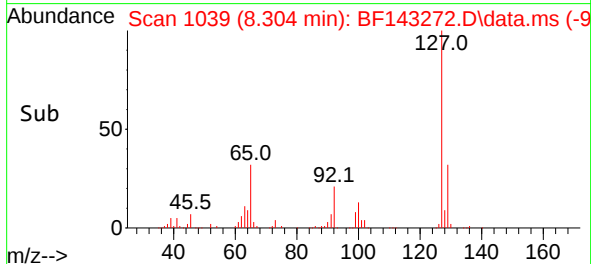
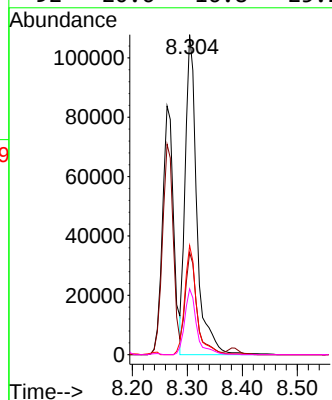
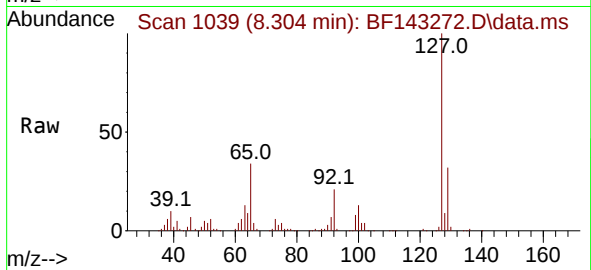
#33
4-Chloroaniline
Concen: 19.470 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Tgt Ion:	127	Resp:	15925
Ion Ratio	Lower	Upper	
127	100		
129	31.9	26.0	39.0
65	34.1	27.4	41.2
92	20.6	16.8	25.2

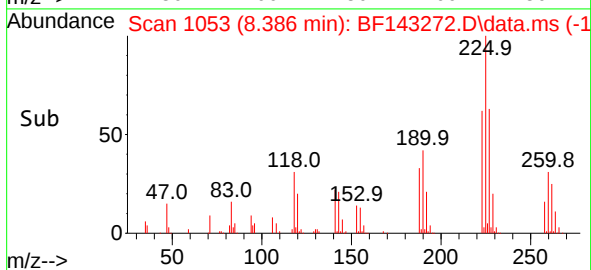
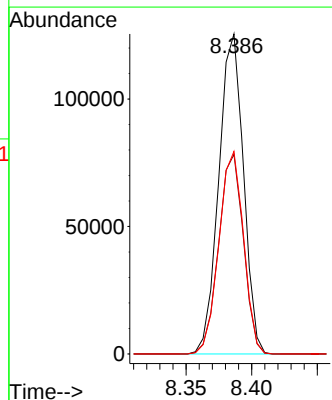
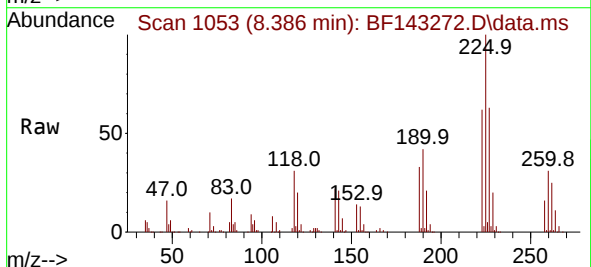
Manual Integrations
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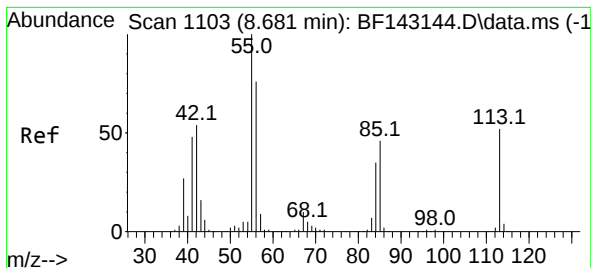
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#34
Hexachlorobutadiene
Concen: 43.791 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion:	225	Resp:	164034
Ion Ratio	Lower	Upper	
225	100		
223	62.3	49.8	74.6
227	63.3	50.2	75.4





#35

Caprolactam

Concen: 48.129 ng m

RT: 8.675 min Scan# 1103

Delta R.T. -0.006 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

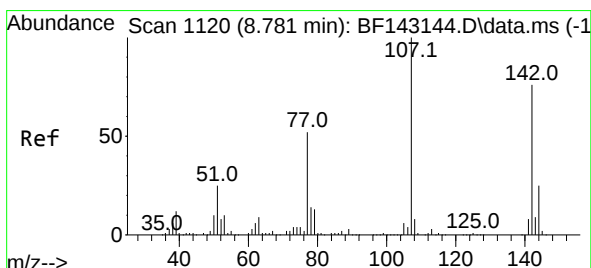
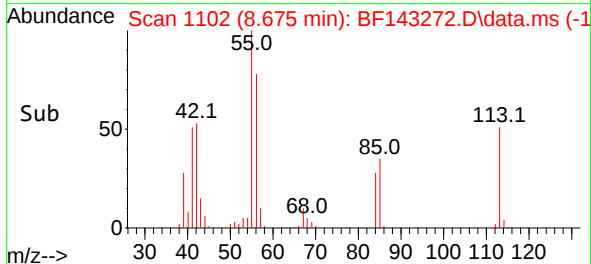
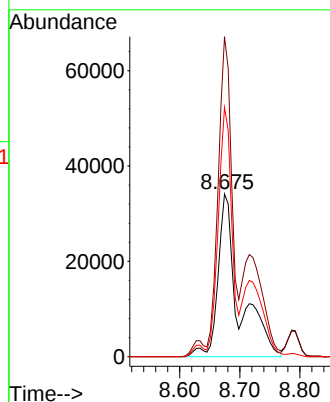
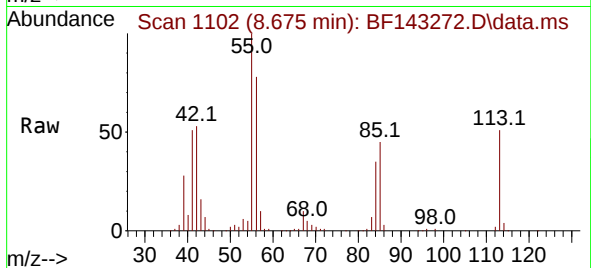
PB168971BSD

Tgt Ion:113 Resp: 82548
 Ion Ratio Lower Upper
 113 100
 55 196.7 174.0 214.0
 56 153.2 126.6 166.6

Manual Integrations

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



#36

4-Chloro-3-methylphenol

Concen: 44.817 ng

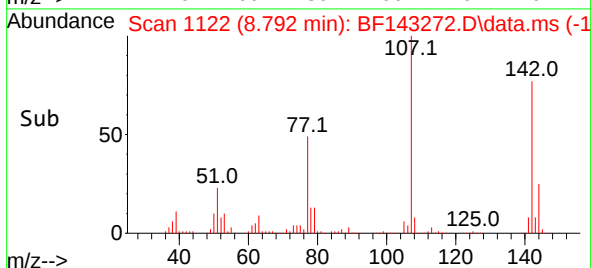
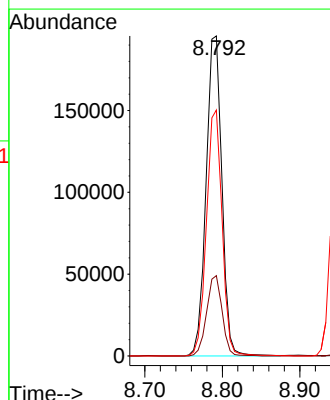
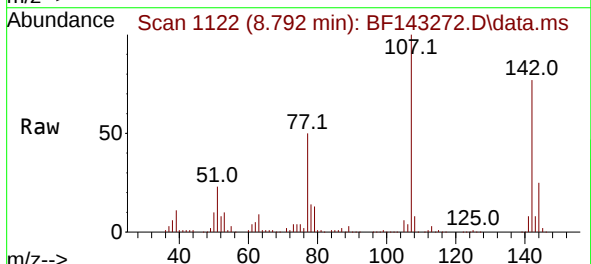
RT: 8.792 min Scan# 1122

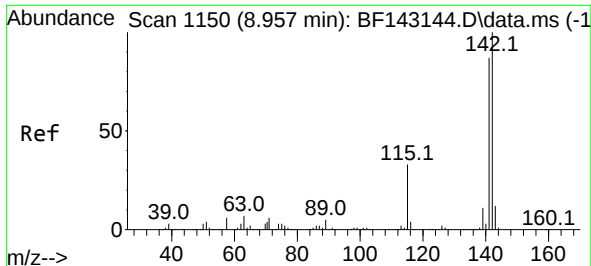
Delta R.T. 0.012 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

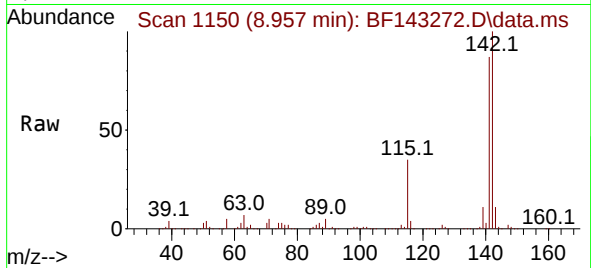
Tgt Ion:107 Resp: 276483
 Ion Ratio Lower Upper
 107 100
 144 25.1 19.8 29.6
 142 76.9 60.6 90.8





#37
2-Methylnaphthalene
Concen: 42.796 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

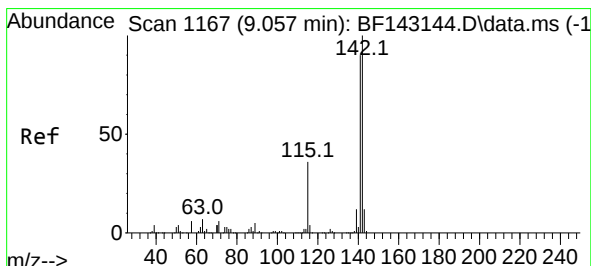
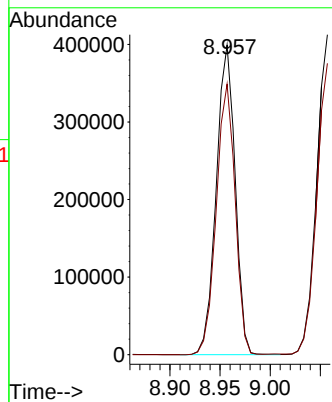
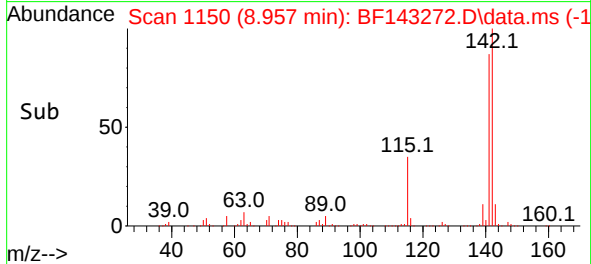
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



Tgt Ion:142 Resp: 521678
Ion Ratio Lower Upper
142 100
141 87.4 69.9 104.9

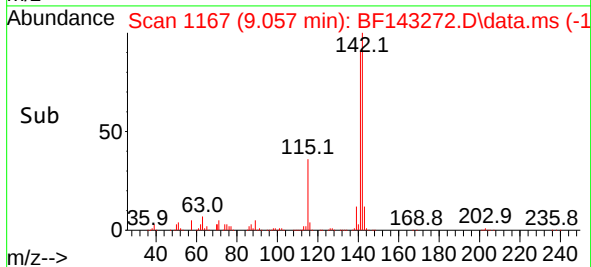
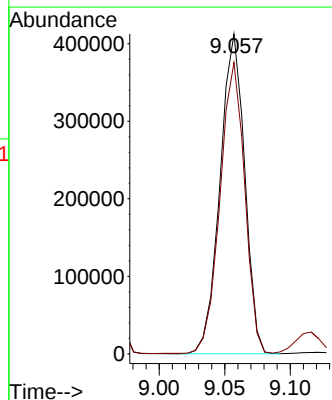
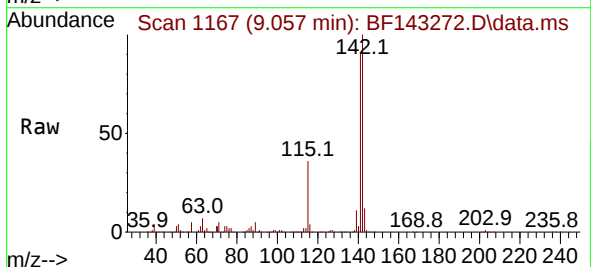
Manual Integrations
APPROVED

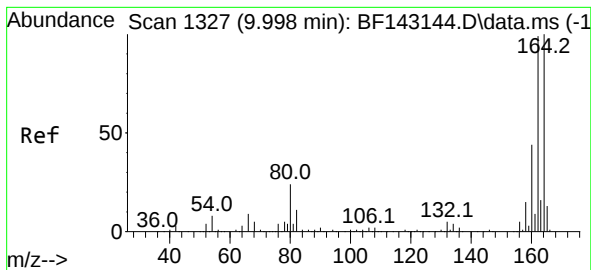
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#38
1-Methylnaphthalene
Concen: 42.893 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion:142 Resp: 538424
Ion Ratio Lower Upper
142 100
141 91.0 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: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

Tgt Ion:164 Resp: 21572

Ion Ratio Lower Upper

164 100

162 97.7 79.0 118.6

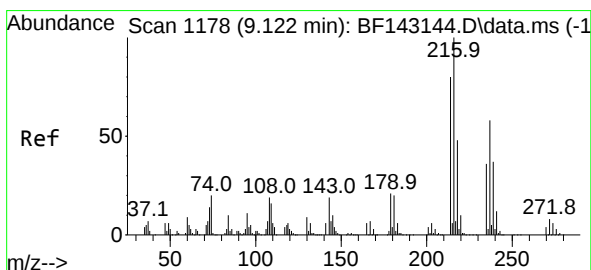
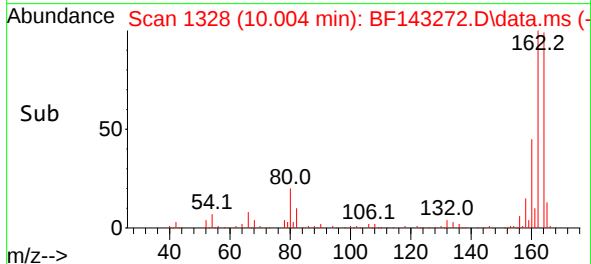
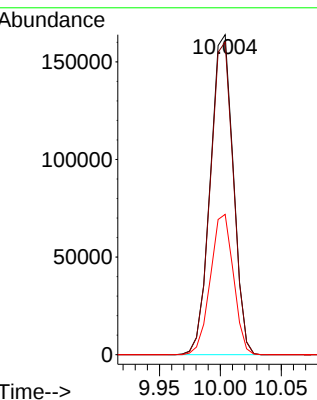
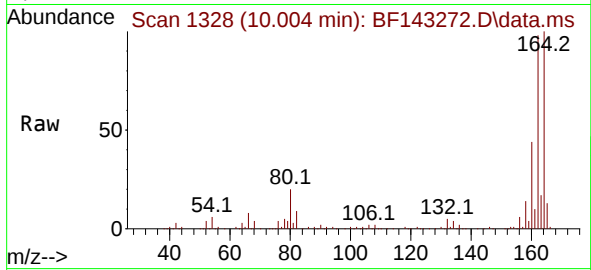
160 43.9 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.111 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Tgt Ion:216 Resp: 262276

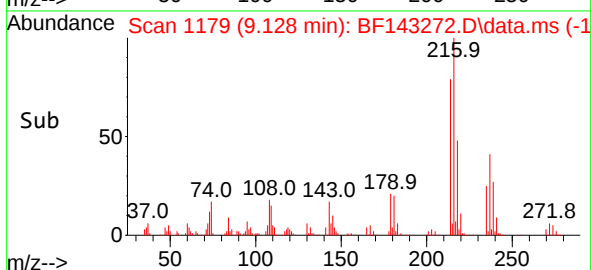
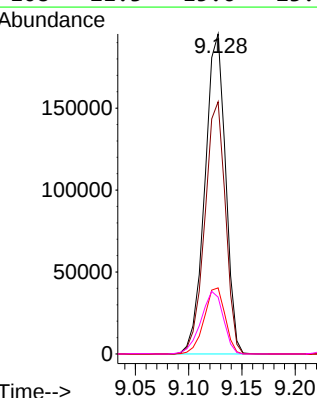
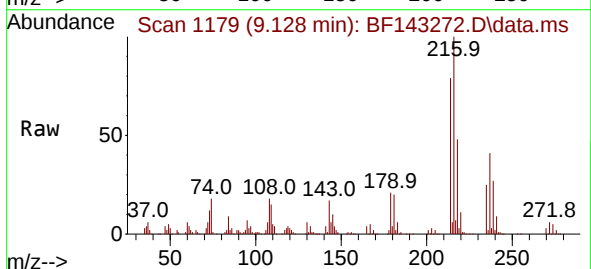
Ion Ratio Lower Upper

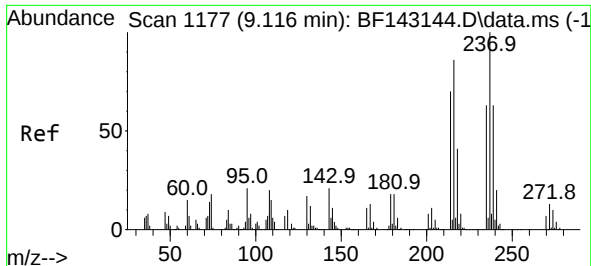
216 100

214 78.7 63.8 95.8

179 20.9 16.4 24.6

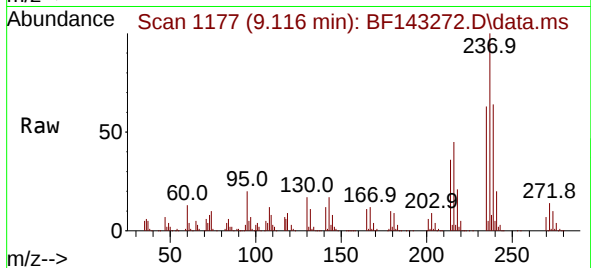
108 21.3 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 79.544 ng
RT: 9.116 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

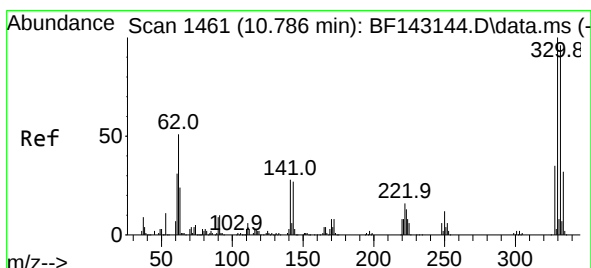
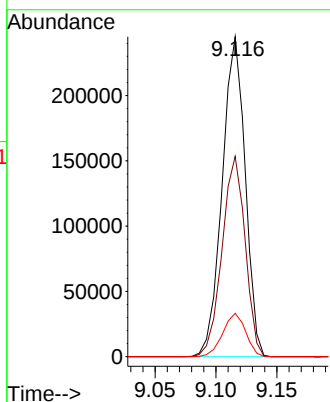
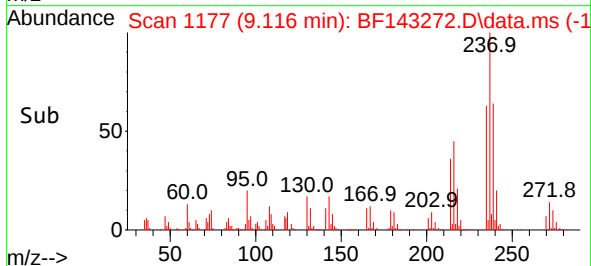
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



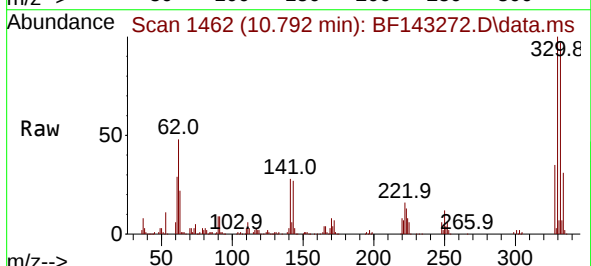
Tgt Ion:237 Resp: 322352
Ion Ratio Lower Upper
237 100
235 62.6 43.0 83.0
272 13.6 0.0 33.3

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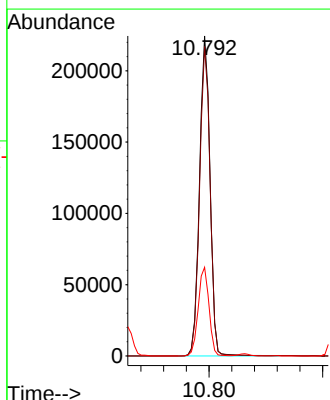
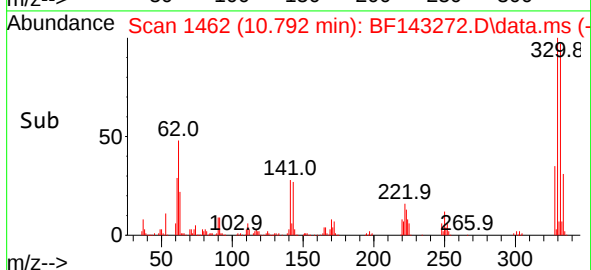
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

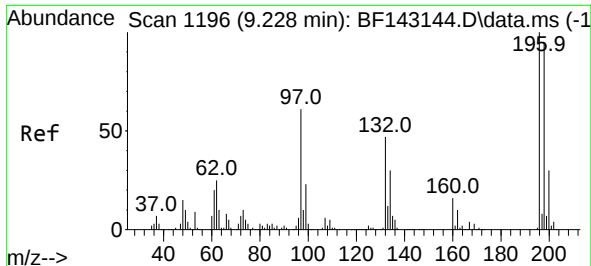


#42
2,4,6-Tribromophenol
Concen: 129.745 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



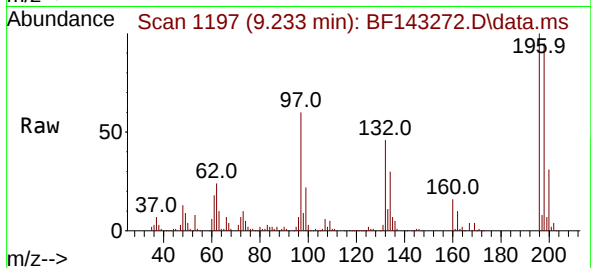
Tgt Ion:330 Resp: 289143
Ion Ratio Lower Upper
330 100
332 96.4 76.7 115.1
141 28.4 23.3 34.9





#43
2,4,6-Trichlorophenol
Concen: 41.968 ng
RT: 9.233 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

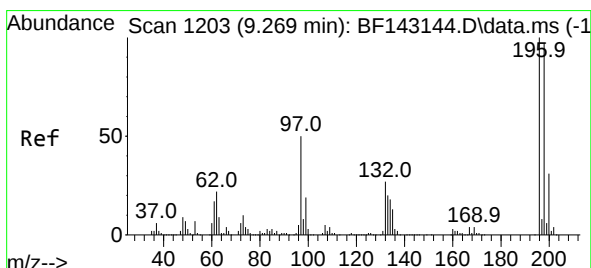
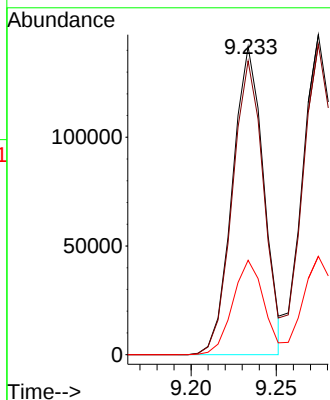
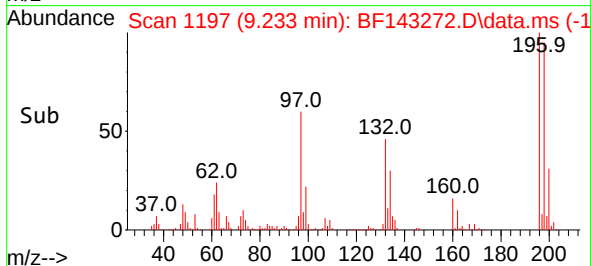
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



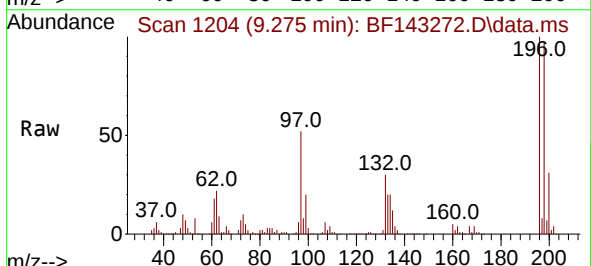
Tgt Ion:196 Resp: 18090
Ion Ratio Lower Upper
196 100
198 95.3 76.2 114.2
200 30.7 23.9 35.9

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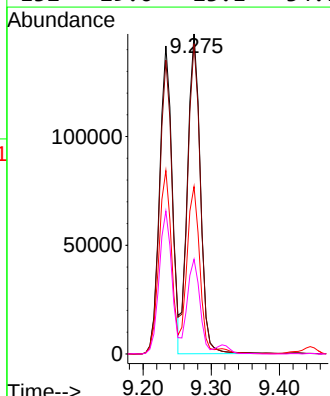
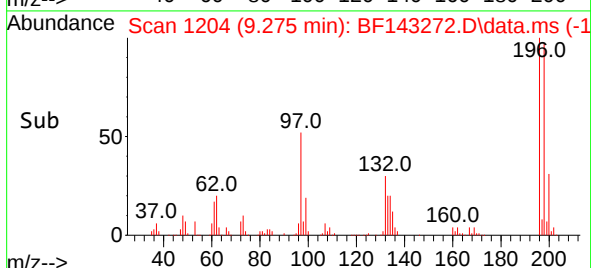
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

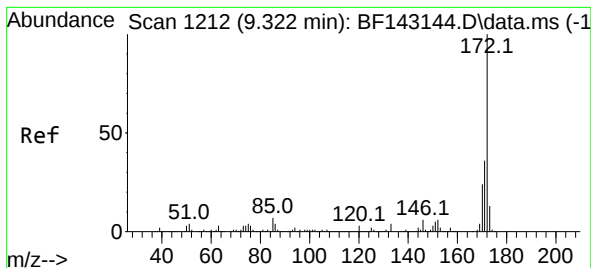


#44
2,4,5-Trichlorophenol
Concen: 44.489 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion:196 Resp: 191822
Ion Ratio Lower Upper
196 100
198 97.0 77.3 115.9
97 52.3 40.3 60.5
132 29.6 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 75.003 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

Tgt Ion:172 Resp: 1183069

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

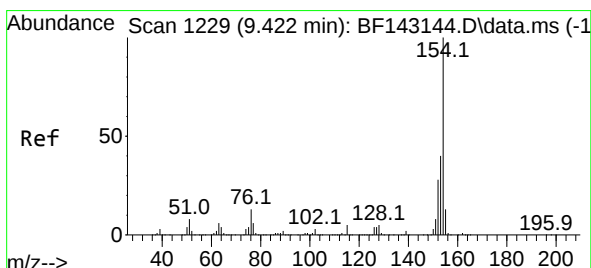
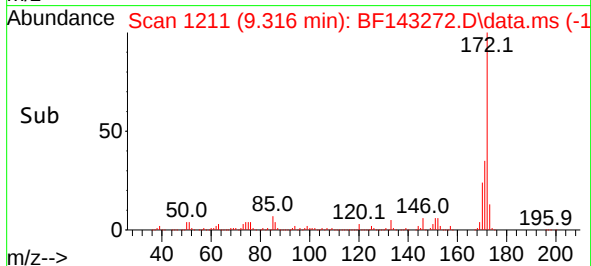
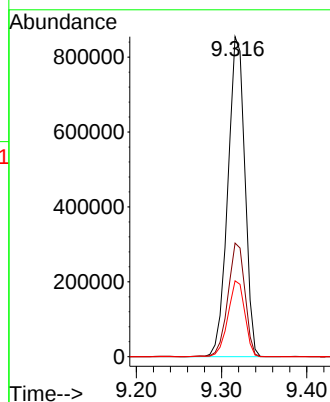
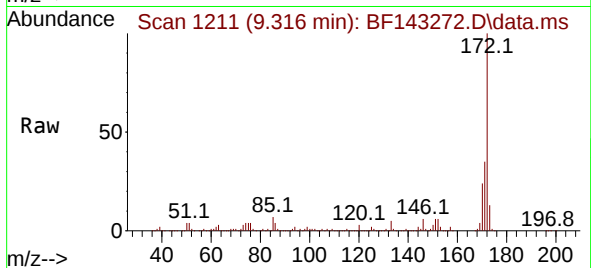
170 23.7 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#46

1,1'-Biphenyl

Concen: 42.592 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

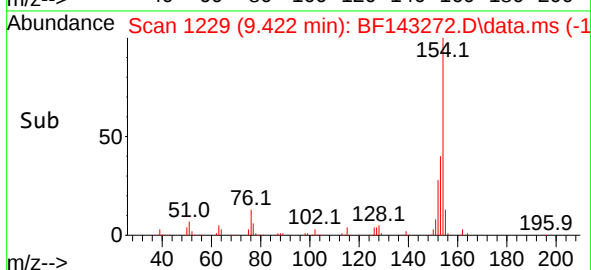
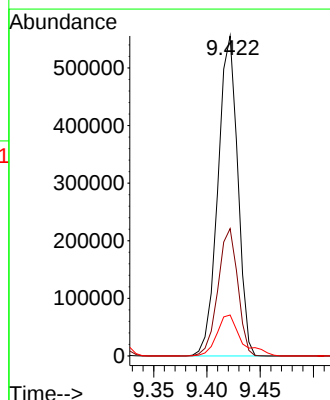
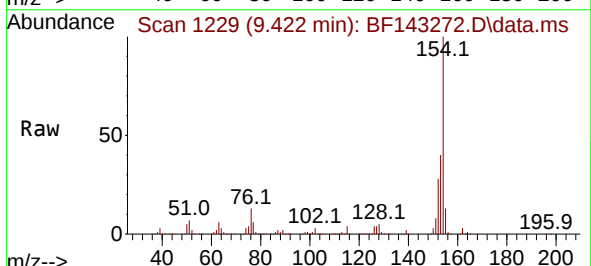
Tgt Ion:154 Resp: 716855

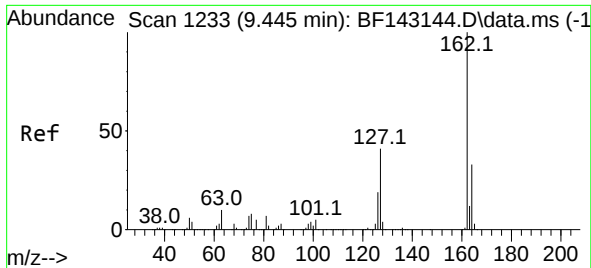
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 12.8 0.0 33.3





#47
2-Chloronaphthalene
Concen: 42.362 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

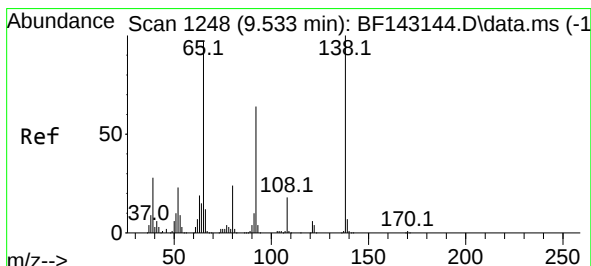
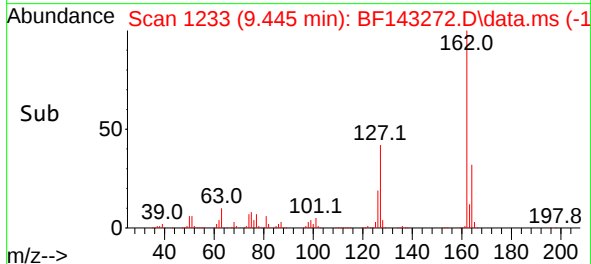
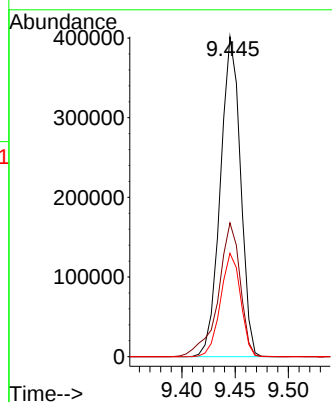
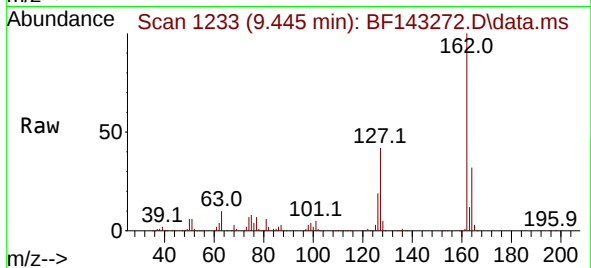
ClientSampleId :

PB168971BSD

Tgt Ion:162 Resp: 52755
Ion Ratio Lower Upper
162 100
127 41.8 33.4 50.2
164 32.3 26.2 39.2

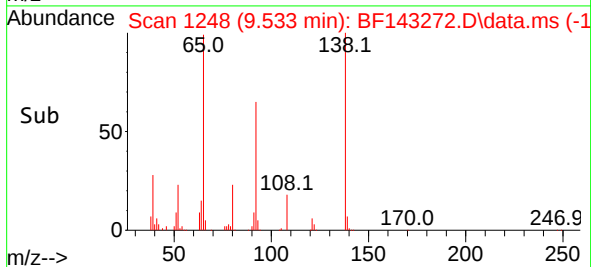
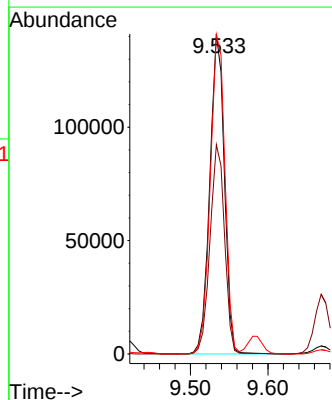
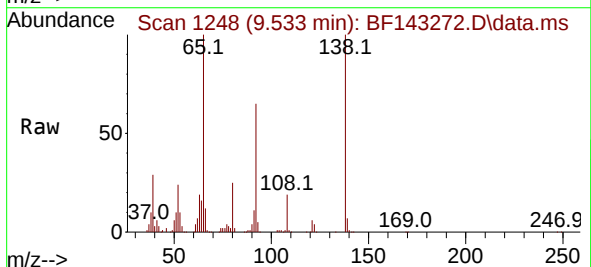
Manual Integrations
APPROVED

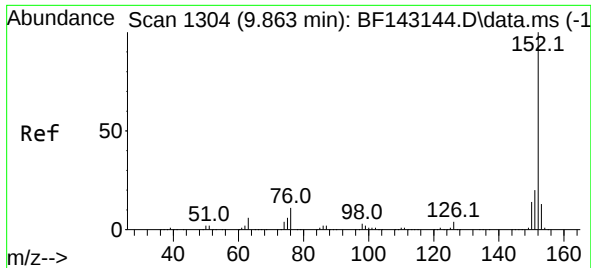
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#48
2-Nitroaniline
Concen: 47.120 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Tgt Ion: 65 Resp: 184021
Ion Ratio Lower Upper
65 100
92 65.4 52.4 78.6
138 99.9 82.3 123.5





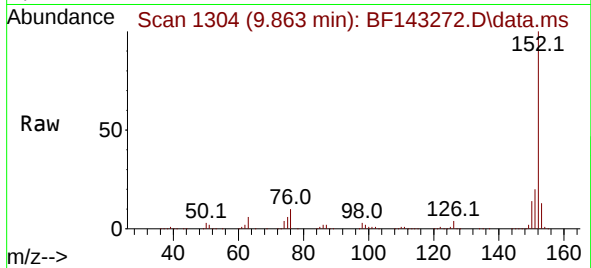
#49
Acenaphthylene
Concen: 42.386 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD



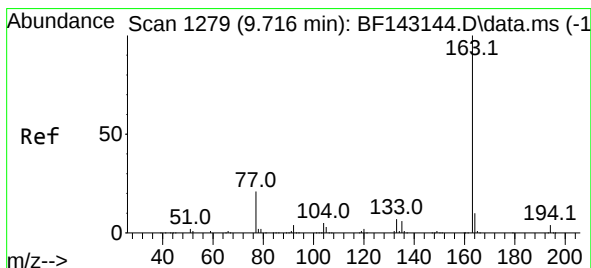
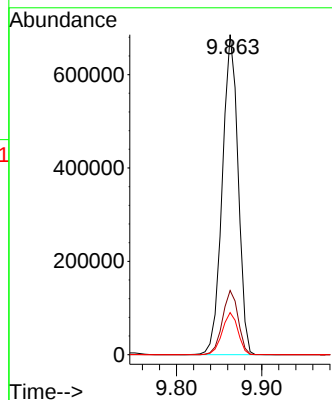
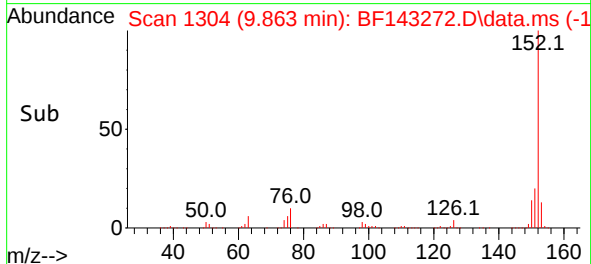
Tgt Ion:152 Resp: 88460
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.1 10.6 16.0

Manual Integrations

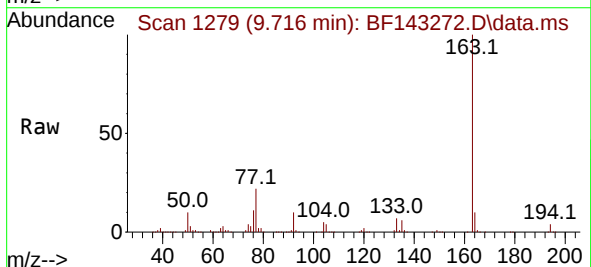
APPROVED

Reviewed By :Rahul Chavli 07/31/2025

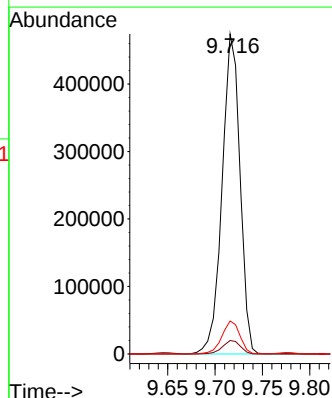
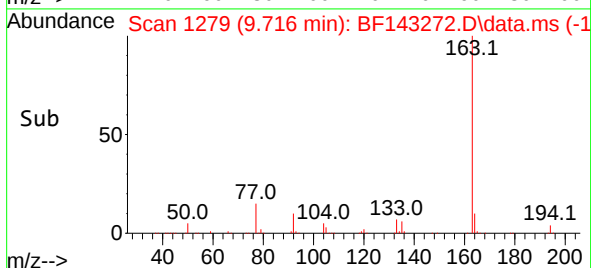
Supervised By :mohammad ahmed 07/31/2025

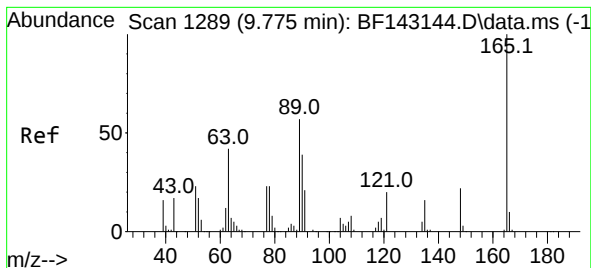


#50
Dimethylphthalate
Concen: 44.412 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion:163 Resp: 624497
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.3 8.3 12.5





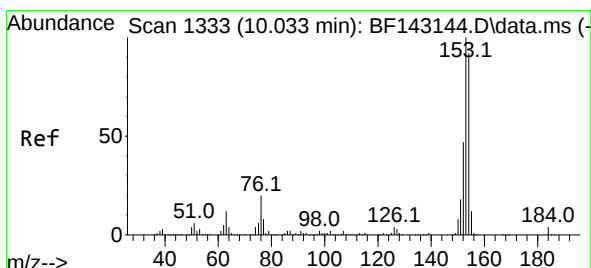
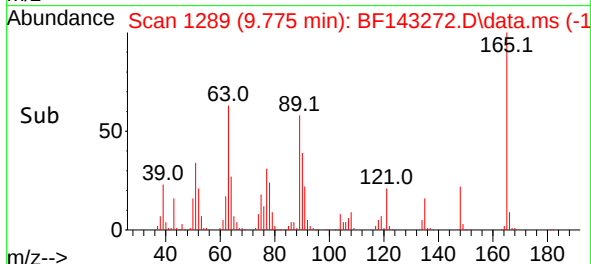
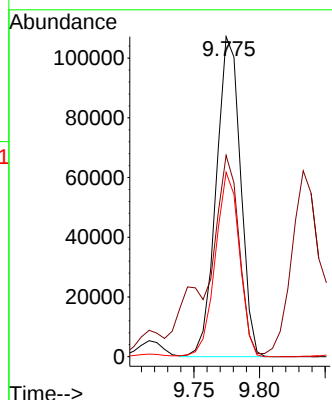
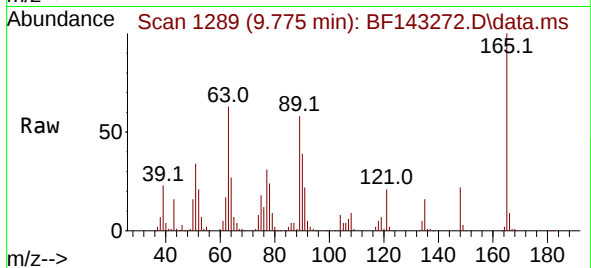
#51
2,6-Dinitrotoluene
Concen: 48.259 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Tgt Ion:165 Resp: 138044
Ion Ratio Lower Upper
165 100
63 62.9 49.4 74.2
89 57.6 46.2 69.2

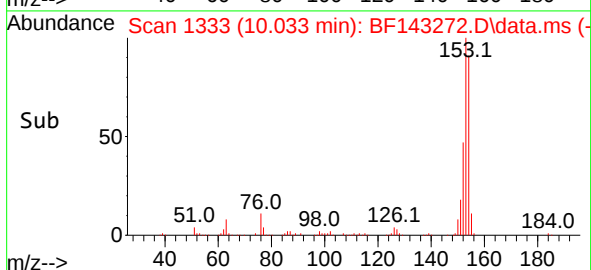
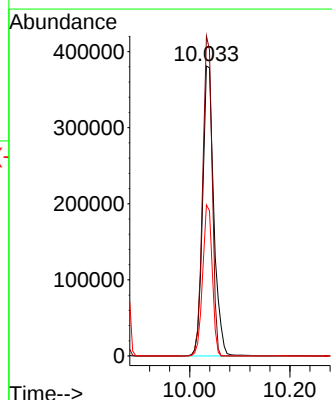
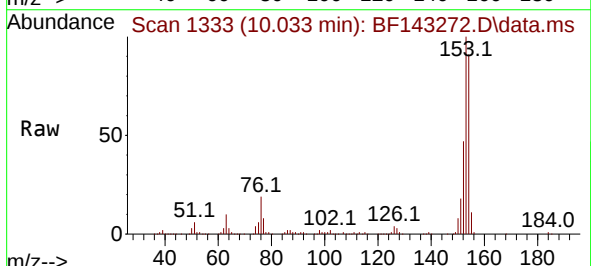
Manual Integrations
APPROVED

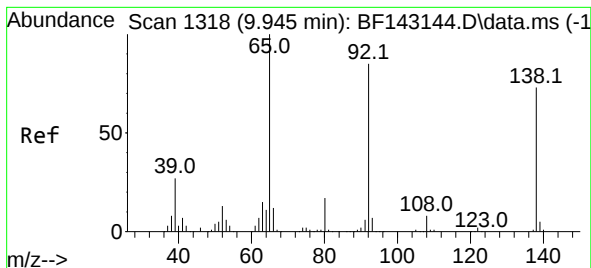
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#52
Acenaphthene
Concen: 47.898 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

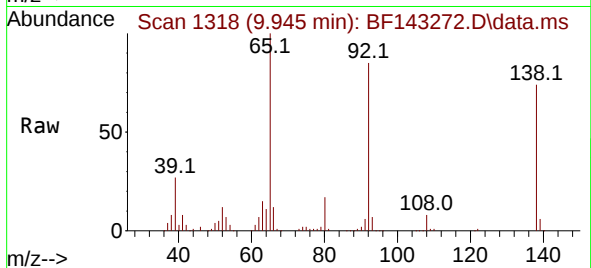
Tgt Ion:154 Resp: 590828
Ion Ratio Lower Upper
154 100
153 110.4 86.6 129.8
152 52.1 40.4 60.6





#53
3-Nitroaniline
Concen: 29.786 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

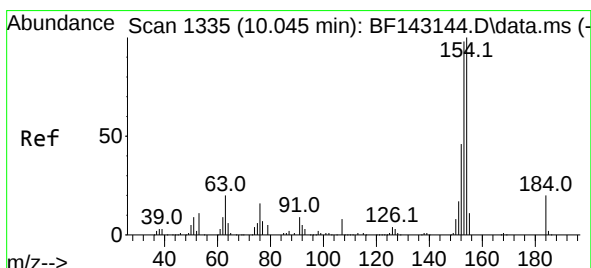
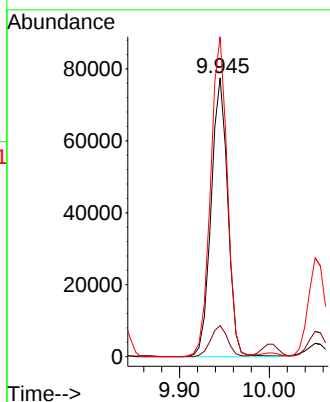
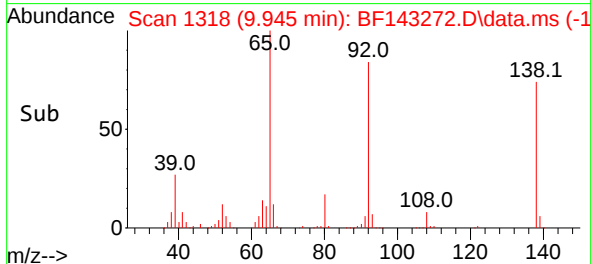
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



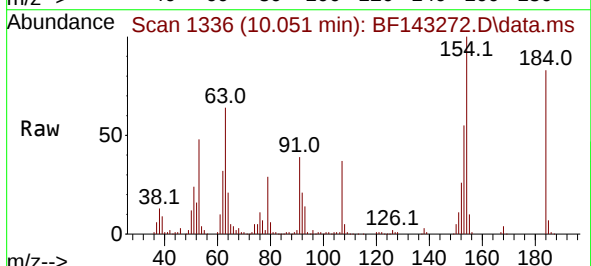
Tgt Ion:138 Resp: 99660
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.6
92 114.8 93.0 139.4

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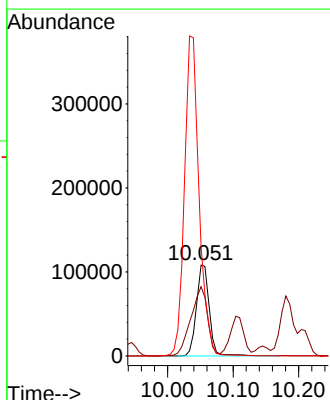
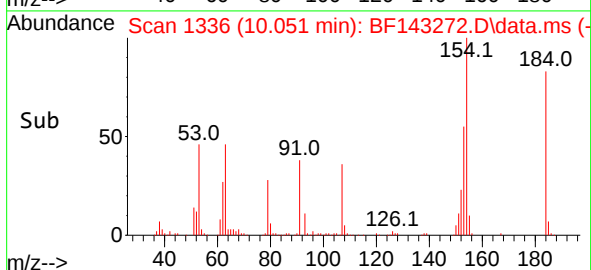
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

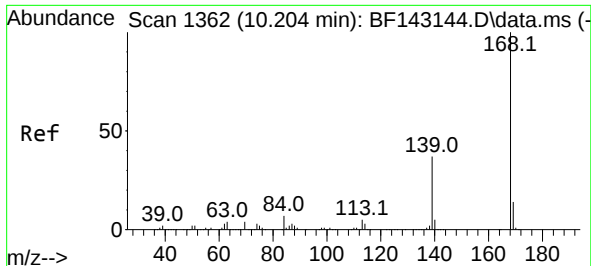


#54
2,4-Dinitrophenol
Concen: 111.422 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



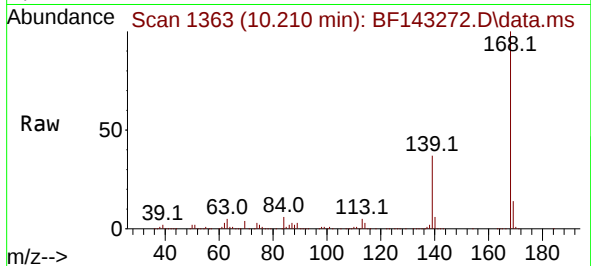
Tgt Ion:184 Resp: 148155
Ion Ratio Lower Upper
184 100
63 76.2 81.8 122.6#
154 119.8 412.2 618.4#





#55
Dibenzenofuran
Concen: 41.570 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

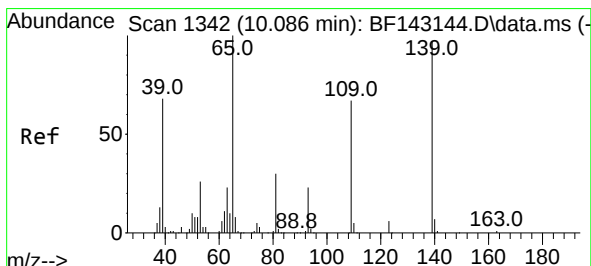
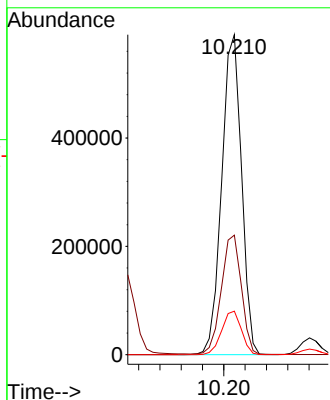
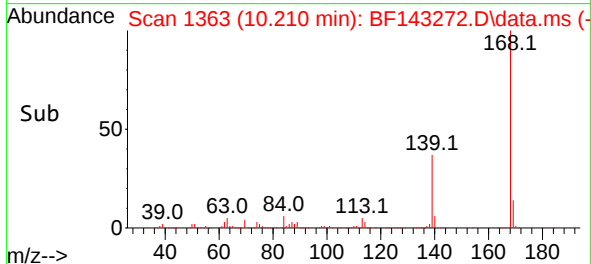
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



Tgt Ion:168 Resp: 76130
Ion Ratio Lower Upper
168 100
139 37.3 29.5 44.3
169 13.6 10.9 16.3

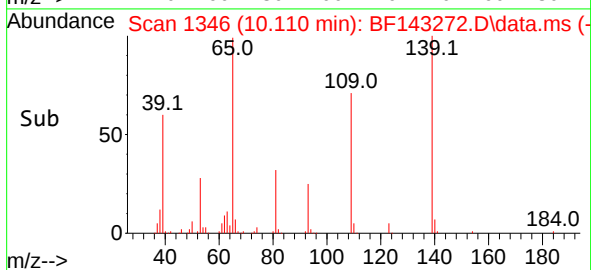
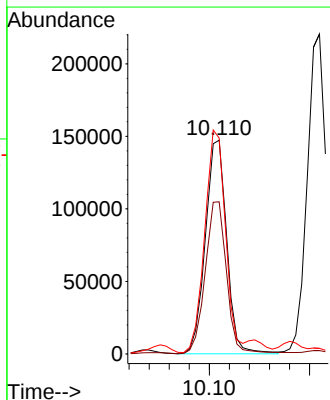
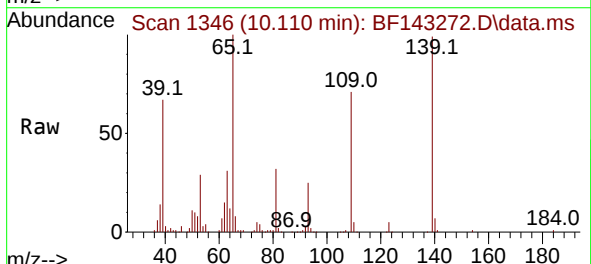
Manual Integrations
APPROVED

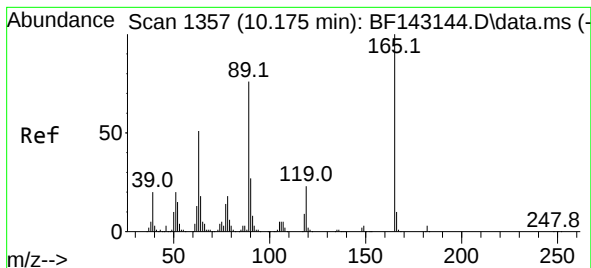
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#56
4-Nitrophenol
Concen: 86.955 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.023 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

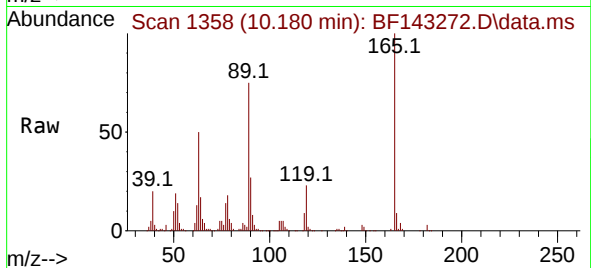
Tgt Ion:139 Resp: 217254
Ion Ratio Lower Upper
139 100
109 71.2 48.5 88.5
65 101.0 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 51.607 ng
RT: 10.180 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

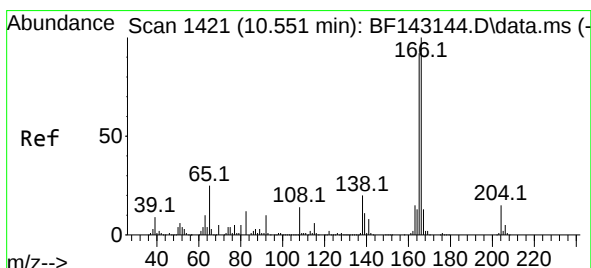
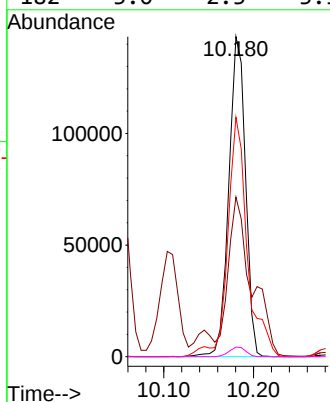
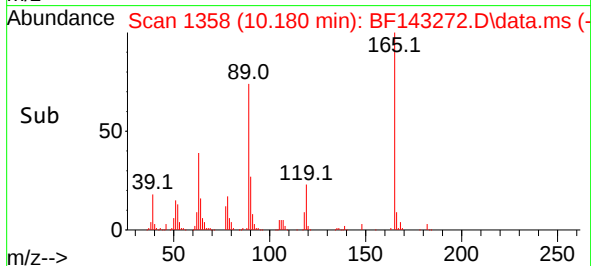
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



Tgt Ion:165 Resp: 185200
Ion Ratio Lower Upper
165 100
63 49.8 41.0 61.4
89 74.8 61.1 91.7
182 3.0 2.3 3.5

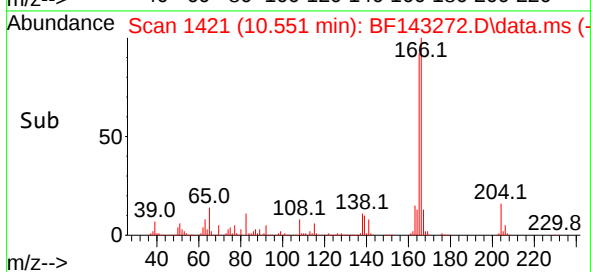
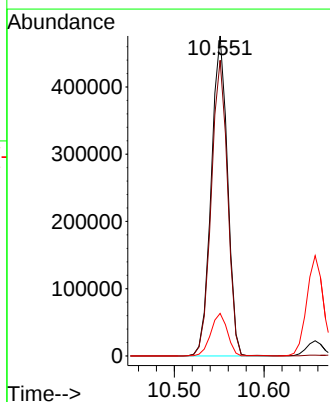
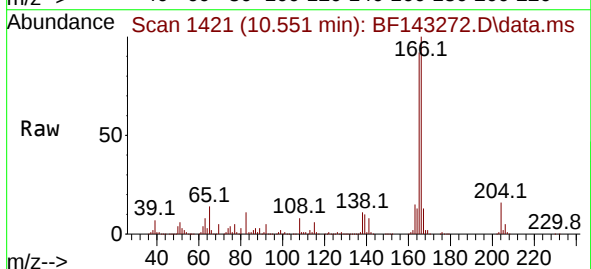
Manual Integrations
APPROVED

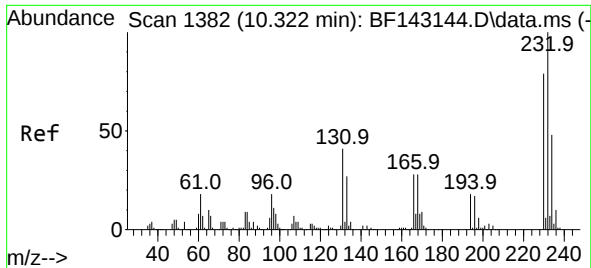
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#58
Fluorene
Concen: 43.563 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

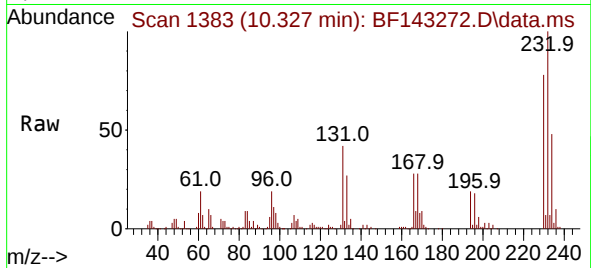
Tgt Ion:166 Resp: 598771
Ion Ratio Lower Upper
166 100
165 92.4 73.7 110.5
167 13.3 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.920 ng
RT: 10.327 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

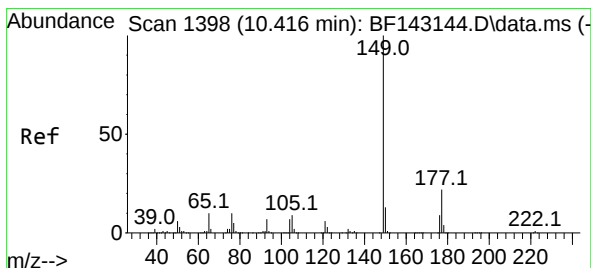
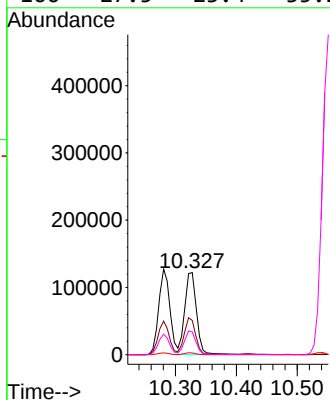
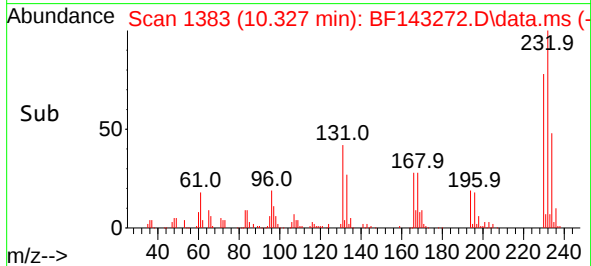
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



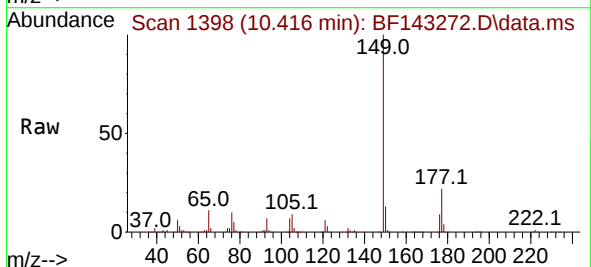
Tgt Ion:232 Resp: 164010
Ion Ratio Lower Upper
232 100
131 43.1 35.3 52.9
130 2.2 1.7 2.5
166 27.5 23.4 35.2

Manual Integrations
APPROVED

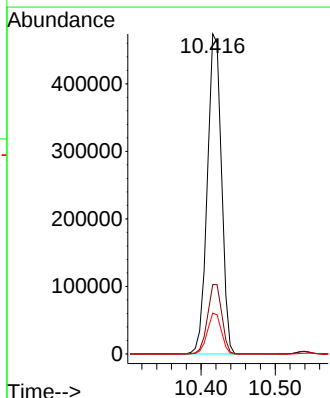
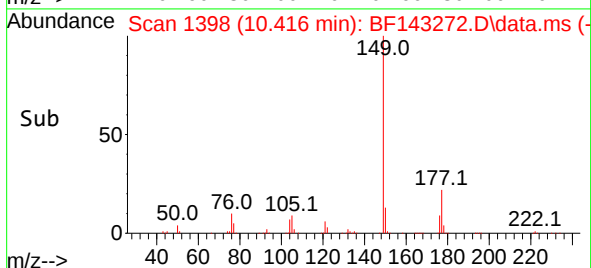
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

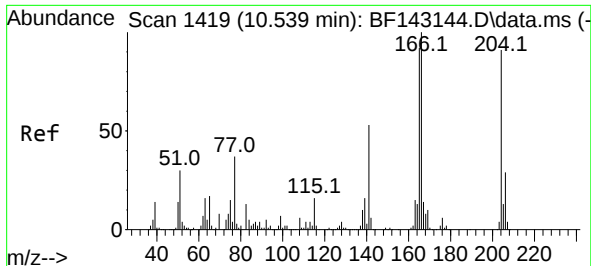


#60
Diethylphthalate
Concen: 45.114 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



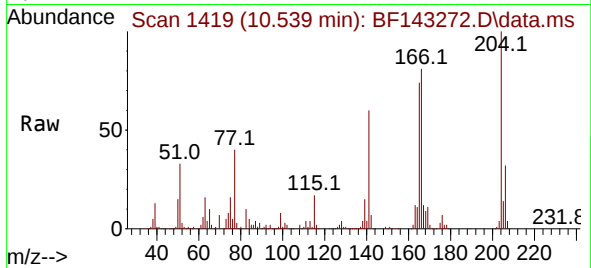
Tgt Ion:149 Resp: 627013
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 43.407 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

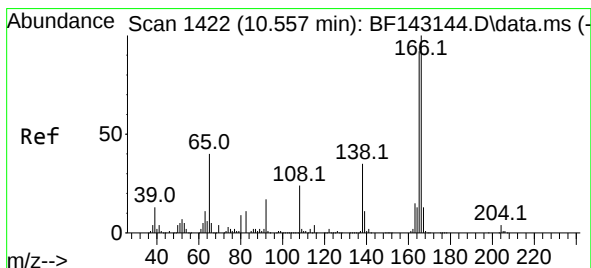
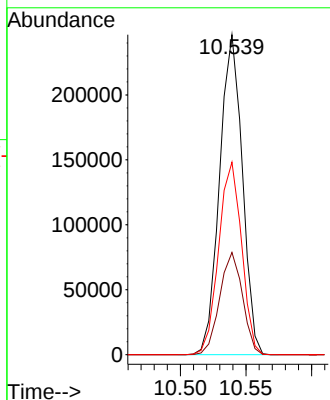
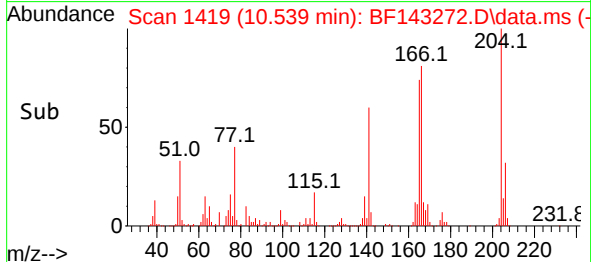
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



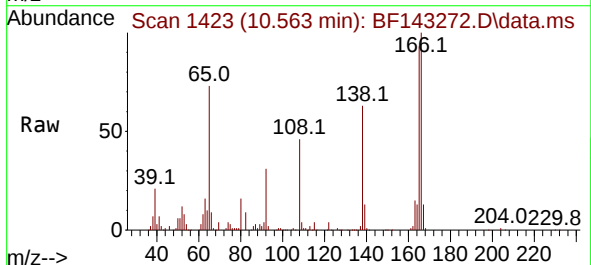
Tgt Ion:204 Resp: 297085
Ion Ratio Lower Upper
204 100
206 31.9 25.8 38.8
141 60.1 47.0 70.4

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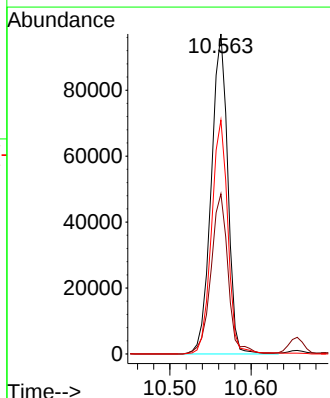
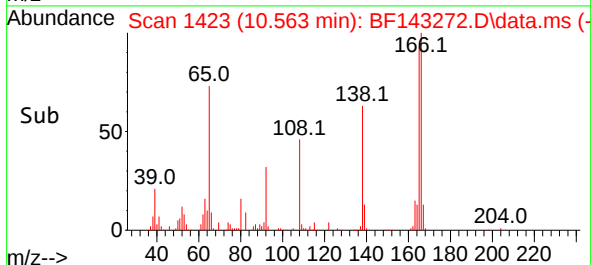
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

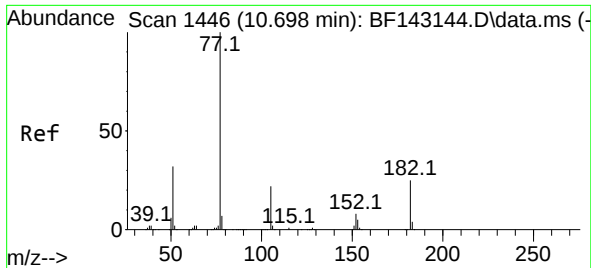


#62
4-Nitroaniline
Concen: 48.065 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



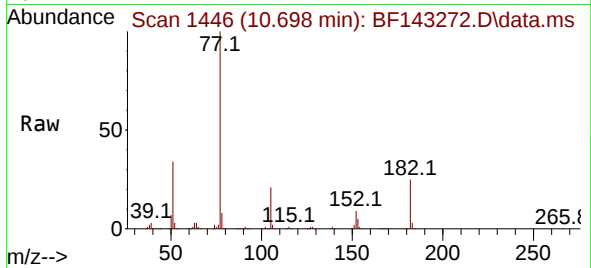
Tgt Ion:138 Resp: 137830
Ion Ratio Lower Upper
138 100
92 50.1 29.3 69.3
108 73.1 48.3 88.3





#63
Azobenzene
Concen: 42.338 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

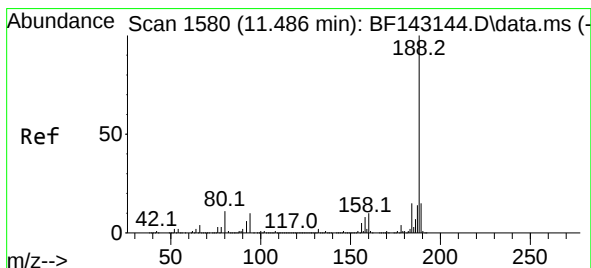
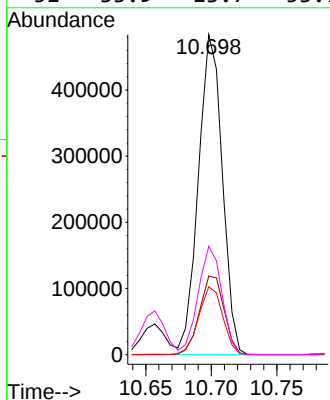
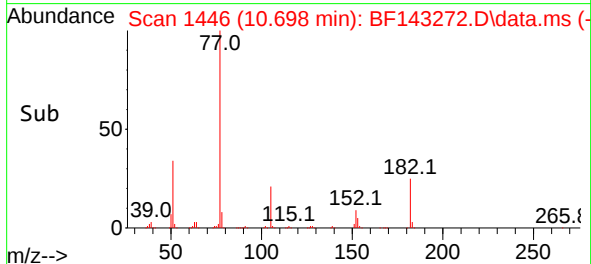
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



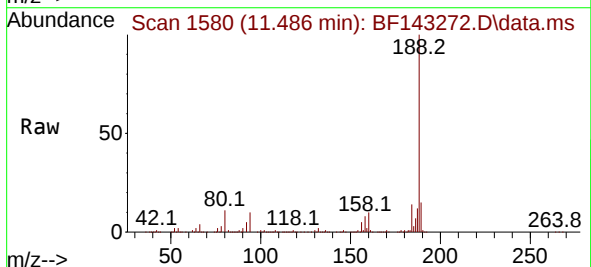
Tgt Ion: 77 Resp: 613274
Ion Ratio Lower Upper
77 100
182 24.5 4.6 44.6
105 21.2 1.4 41.4
51 33.9 13.7 53.7

Manual Integrations
APPROVED

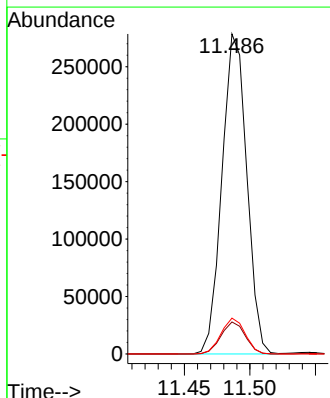
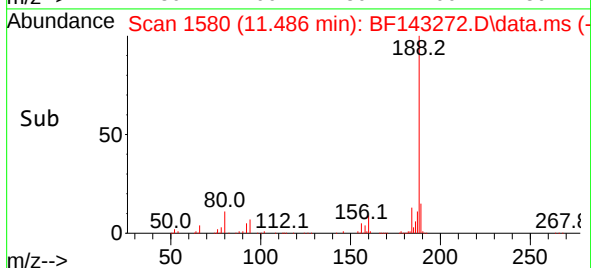
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

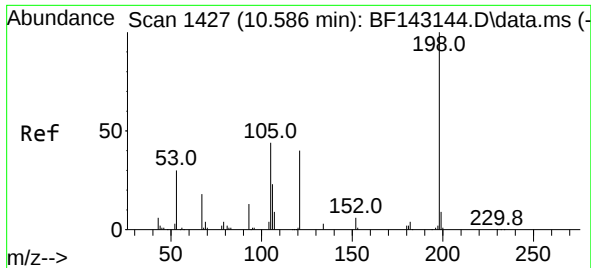


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion:188 Resp: 365952
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 11.2 9.0 13.6





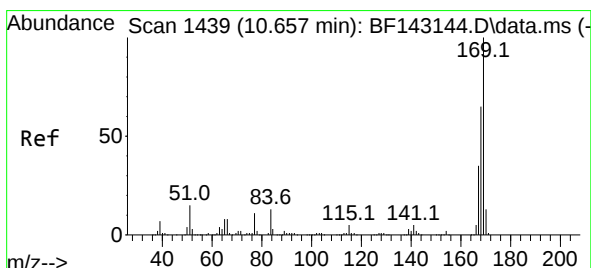
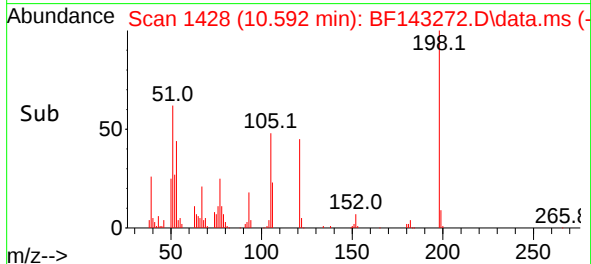
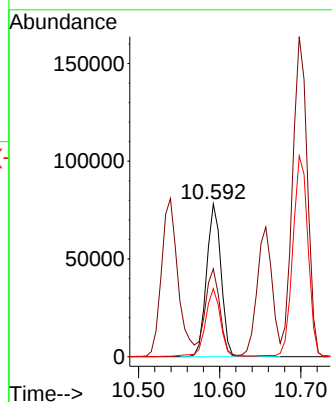
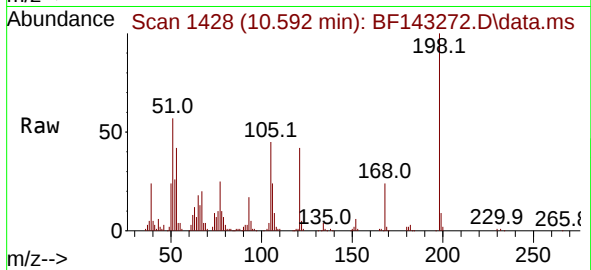
#65
4,6-Dinitro-2-methylphenol
Concen: 50.139 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

Instrument :
BNA_F
ClientSampleId :
PB168971BSD

Tgt Ion:198 Resp: 96709
Ion Ratio Lower Upper
198 100
51 57.4 37.2 77.2
105 44.5 24.8 64.8

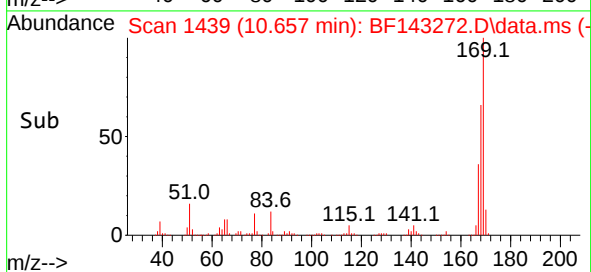
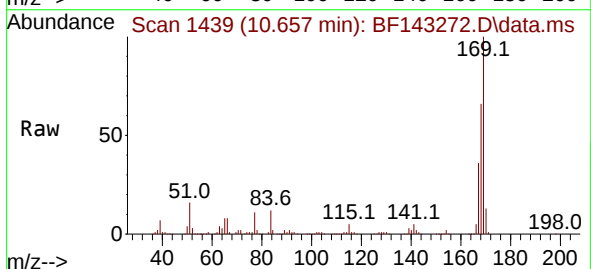
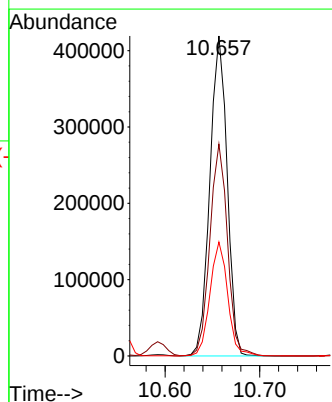
Manual Integrations
APPROVED

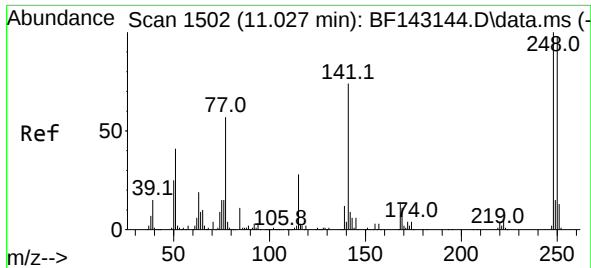
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#66
n-Nitrosodiphenylamine
Concen: 41.273 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

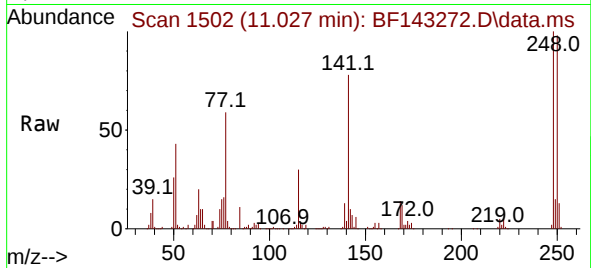
Tgt Ion:169 Resp: 531852
Ion Ratio Lower Upper
169 100
168 66.2 52.1 78.1
167 35.6 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 42.277 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

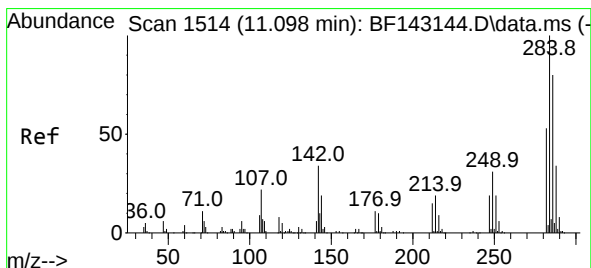
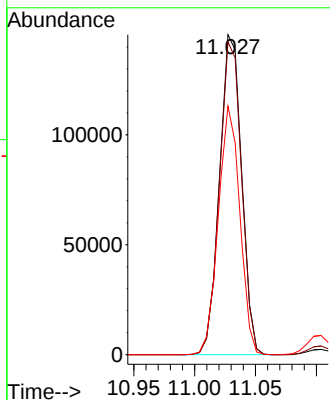
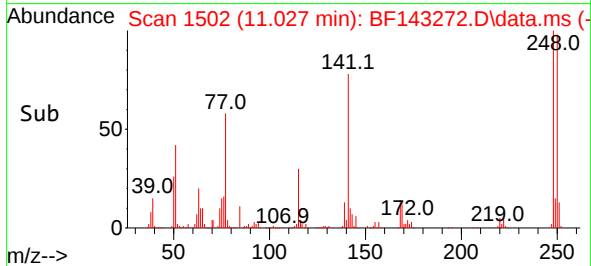
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



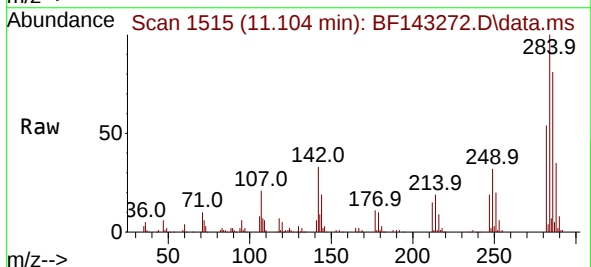
Tgt Ion:248 Resp: 184379
Ion Ratio Lower Upper
248 100
250 97.7 78.3 117.5
141 77.7 59.2 88.8

Manual Integrations
APPROVED

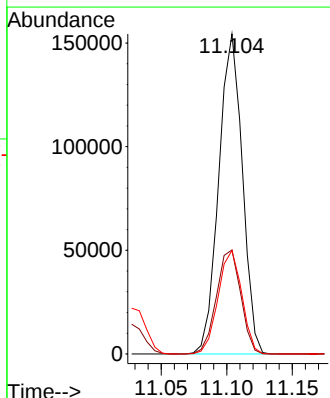
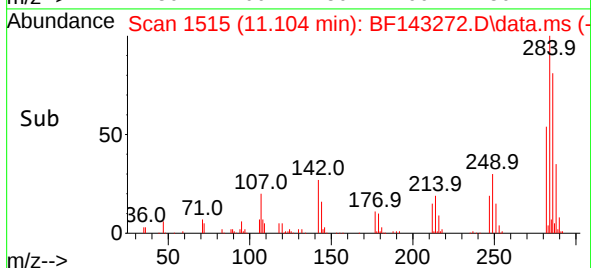
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

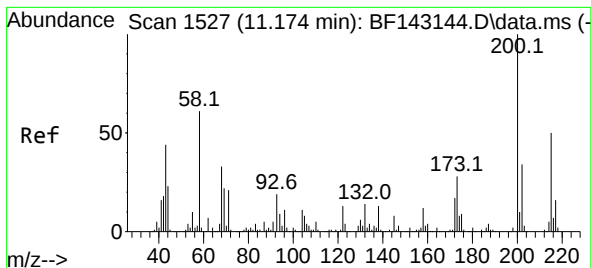


#68
Hexachlorobenzene
Concen: 42.333 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion:284 Resp: 192968
Ion Ratio Lower Upper
284 100
142 32.5 27.0 40.6
249 32.3 25.0 37.6





#69

Atrazine

Concen: 47.951 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

Tgt Ion:200 Resp: 17035

Ion Ratio Lower Upper

200 100

173 27.4 7.9 47.9

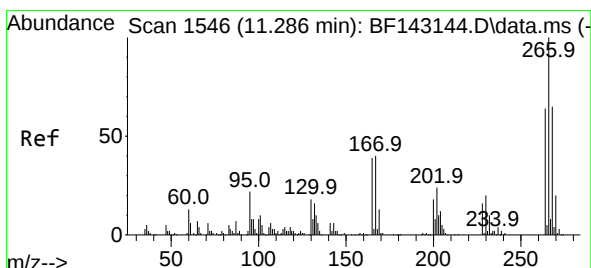
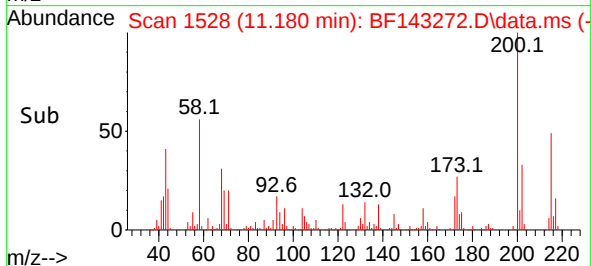
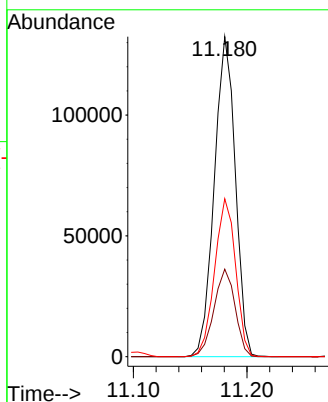
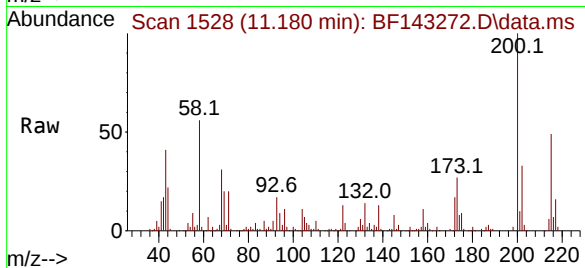
215 49.4 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#70

Pentachlorophenol

Concen: 84.749 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

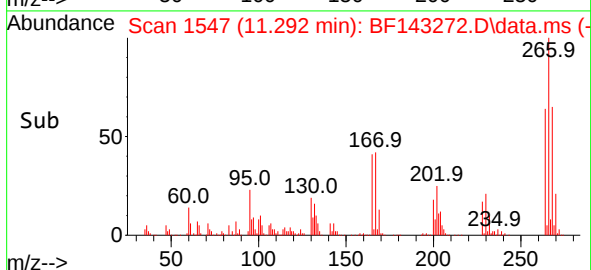
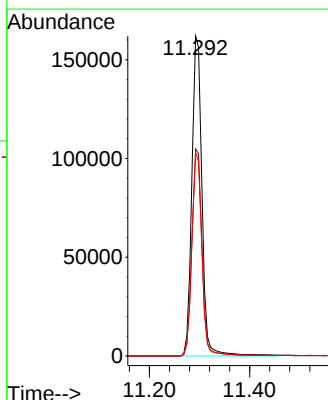
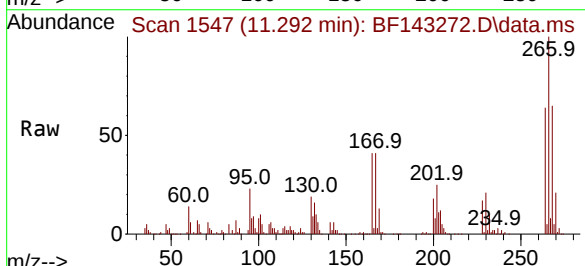
Tgt Ion:266 Resp: 227184

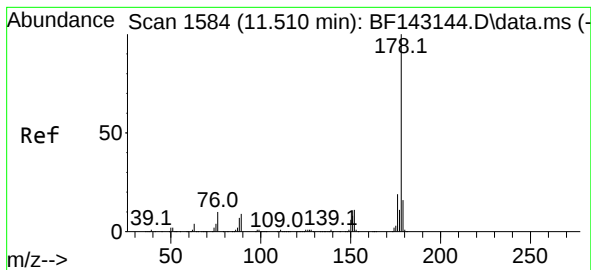
Ion Ratio Lower Upper

266 100

268 64.7 51.9 77.9

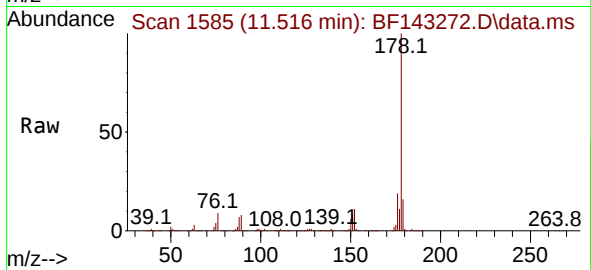
264 63.6 51.0 76.6





#71
Phenanthrene
Concen: 42.759 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

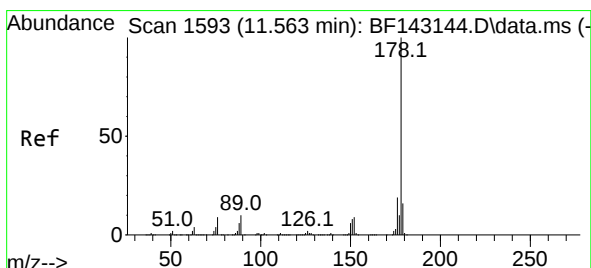
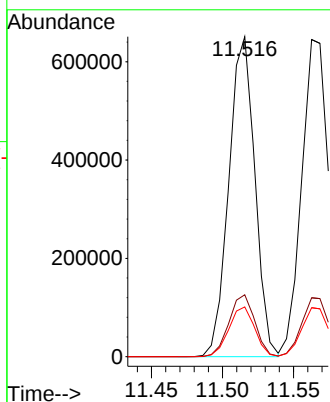
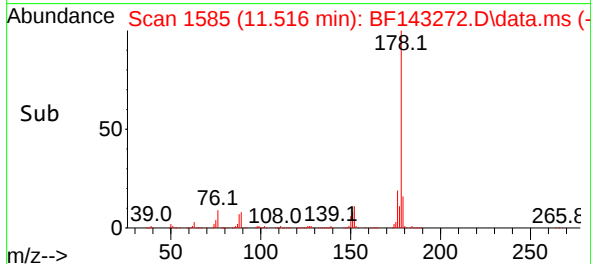
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



Tgt Ion:178 Resp: 830850
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.5 18.7

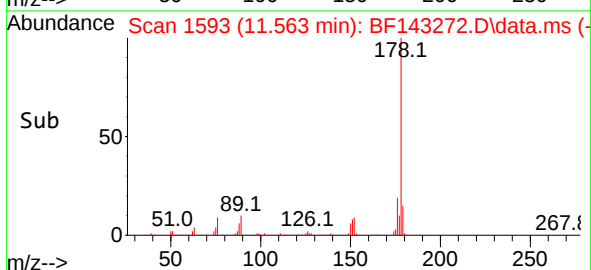
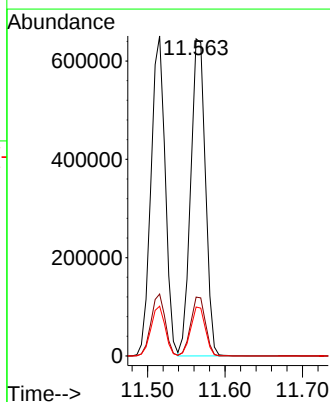
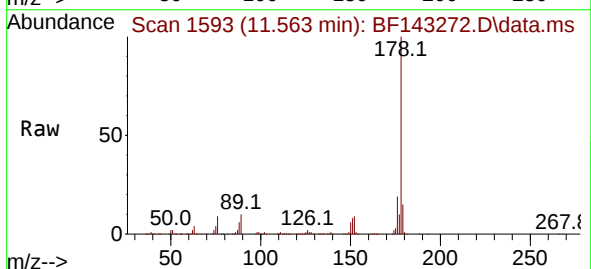
Manual Integrations
APPROVED

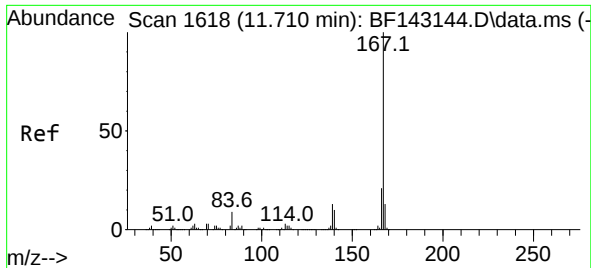
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#72
Anthracene
Concen: 42.787 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

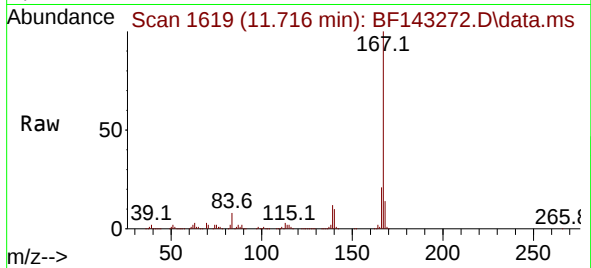
Tgt Ion:178 Resp: 847924
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.4 12.5 18.7





#73
 Carbazole
 Concen: 44.353 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143272.D
 Acq: 30 Jul 2025 16:51

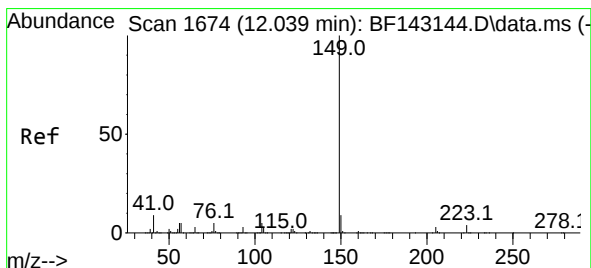
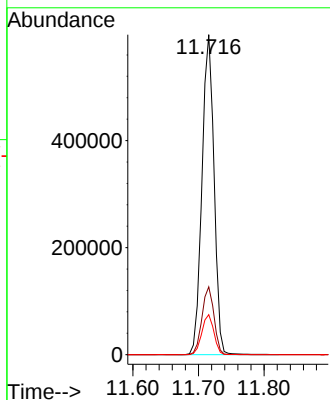
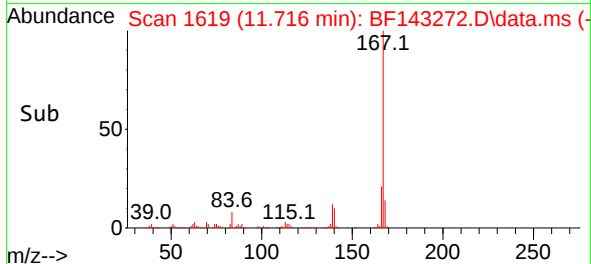
Instrument :
 BNA_F
 ClientSampleId :
 PB168971BSD



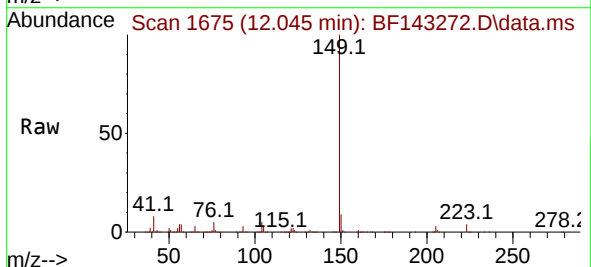
Tgt Ion:167 Resp: 767490
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.5 10.0 15.0

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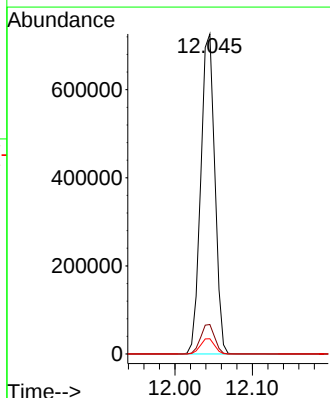
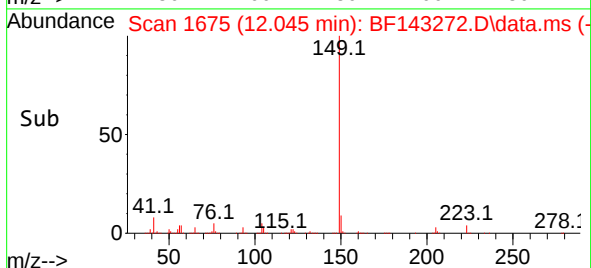
Reviewed By :Rahul Chavli 07/31/2025
 Supervised By :mohammad ahmed 07/31/2025

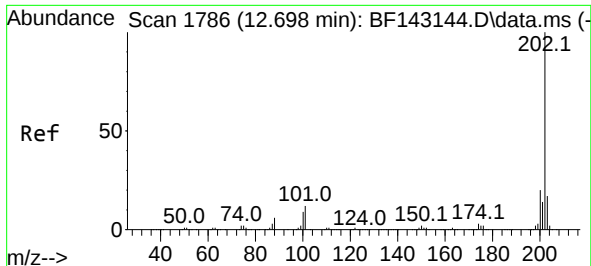


#74
 Di-n-butylphthalate
 Concen: 46.734 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143272.D
 Acq: 30 Jul 2025 16:51



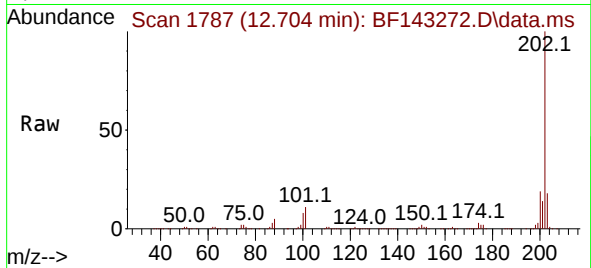
Tgt Ion:149 Resp: 915048
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 46.016 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

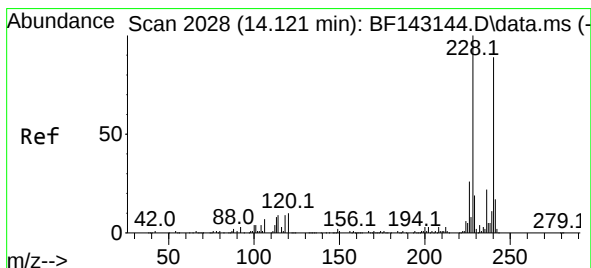
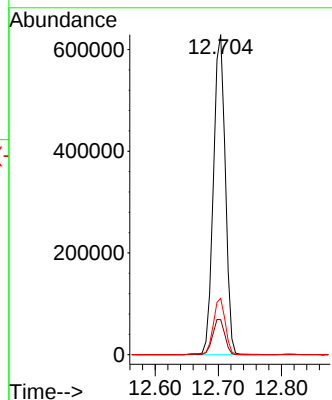
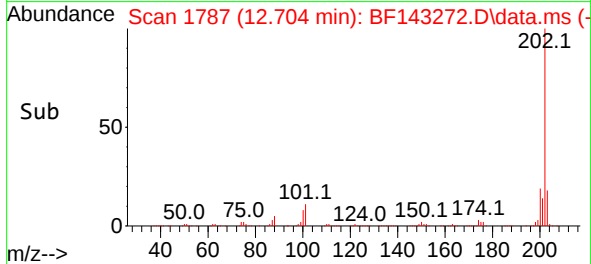
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



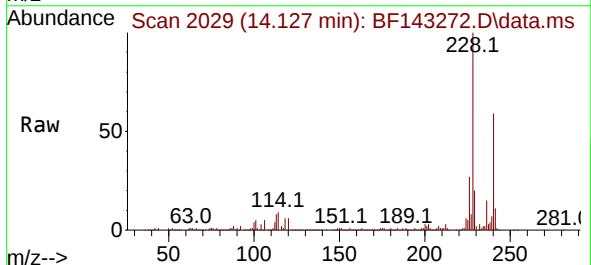
Tgt Ion:202 Resp: 820690
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.7
203 17.6 0.0 37.4

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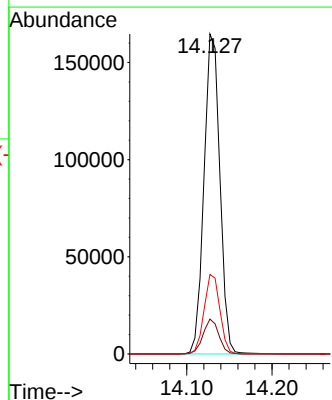
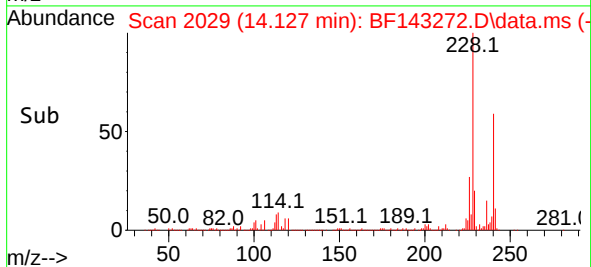
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

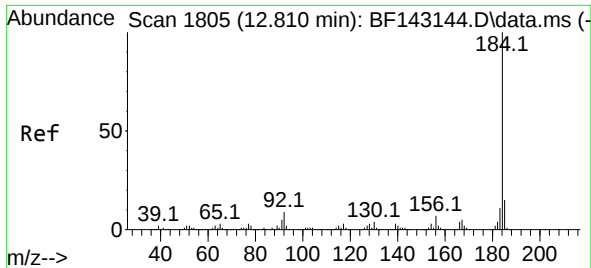


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



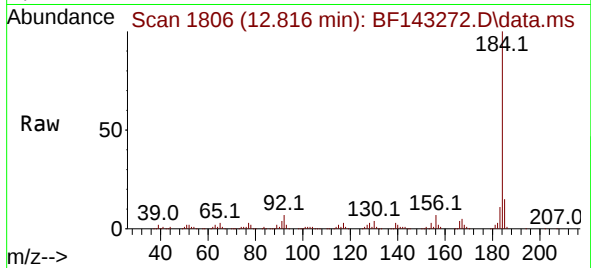
Tgt Ion:240 Resp: 212987
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 24.8 20.2 30.4





#77
Benzidine
Concen: 30.422 ng
RT: 12.816 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

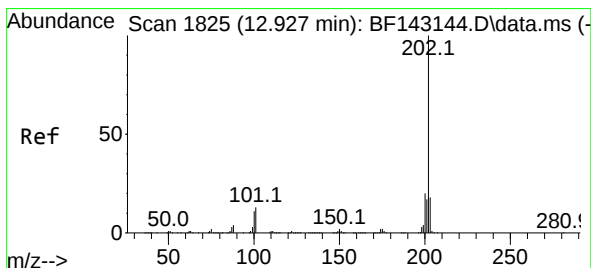
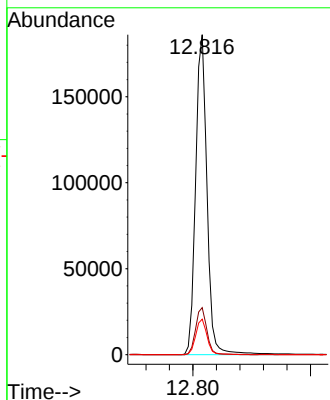
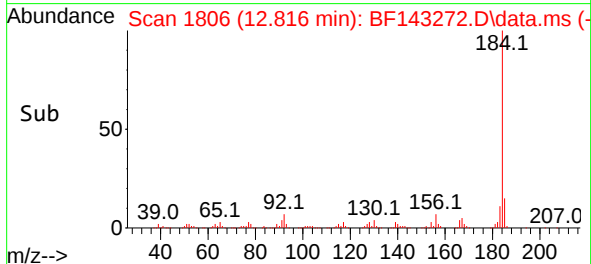
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



Tgt Ion:184 Resp: 24963
Ion Ratio Lower Upper
184 100
185 14.7 12.2 18.4
183 11.1 9.0 13.4

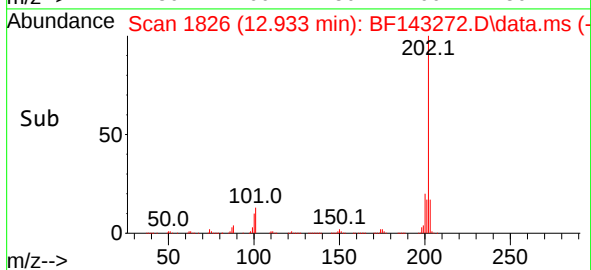
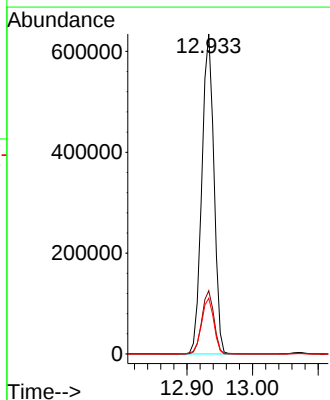
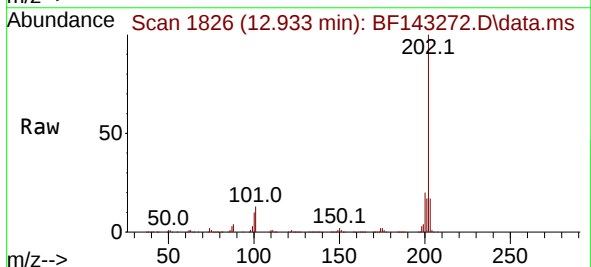
Manual Integrations
APPROVED

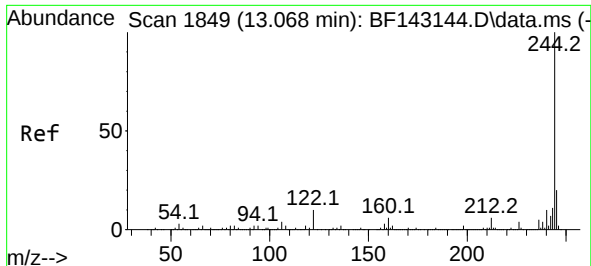
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025



#78
Pyrene
Concen: 44.783 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

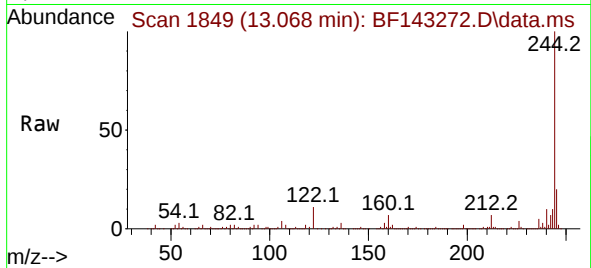
Tgt Ion:202 Resp: 814026
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.4 14.2 21.2





#79
 Terphenyl-d14
 Concen: 79.885 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF143272.D
 Acq: 30 Jul 2025 16:51

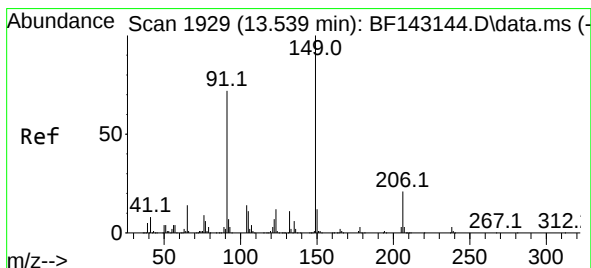
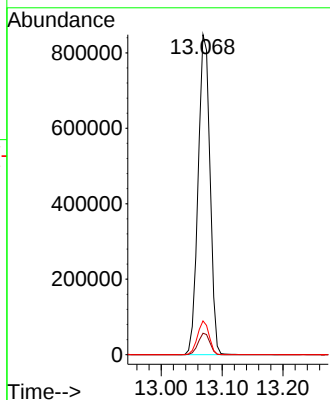
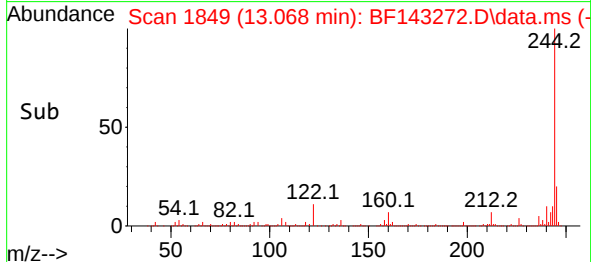
Instrument :
 BNA_F
 ClientSampleId :
 PB168971BSD



Tgt Ion:244 Resp: 114335
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.6 8.2 12.2

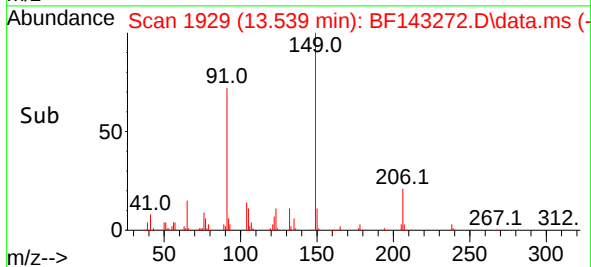
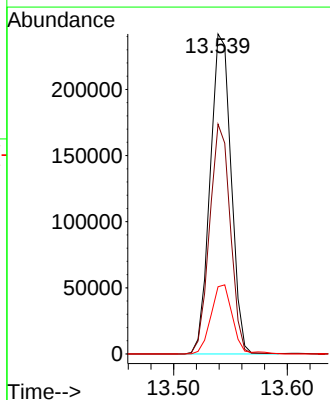
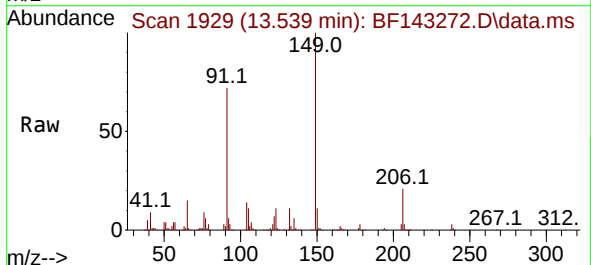
Manual Integrations
 APPROVED

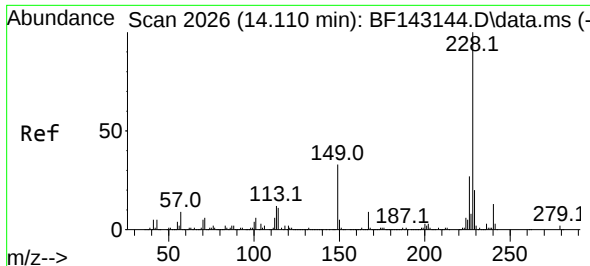
Reviewed By :Rahul Chavli 07/31/2025
 Supervised By :mohammad ahmed 07/31/2025



#80
 Butylbenzylphthalate
 Concen: 55.818 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. -0.000 min
 Lab File: BF143272.D
 Acq: 30 Jul 2025 16:51

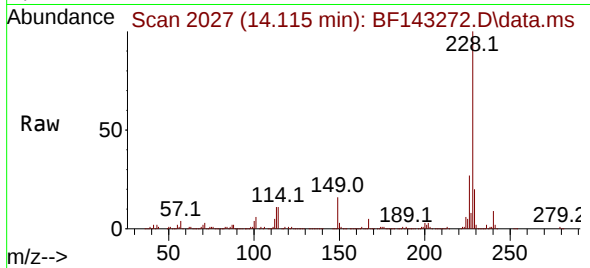
Tgt Ion:149 Resp: 310693
 Ion Ratio Lower Upper
 149 100
 91 71.8 57.9 86.9
 206 21.0 17.0 25.4





#81
Benzo(a)anthracene
Concen: 45.080 ng
RT: 14.115 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

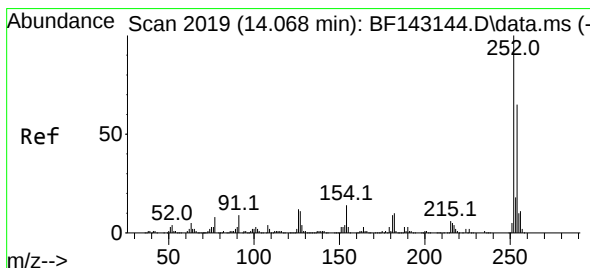
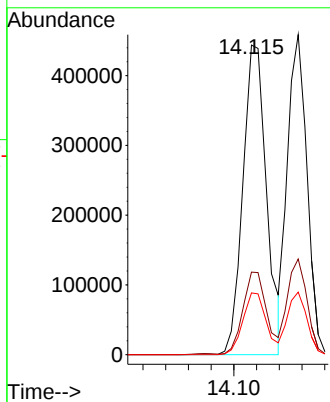
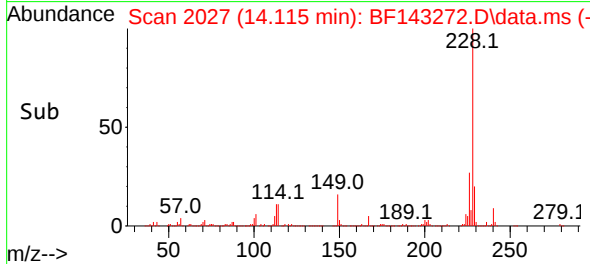
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



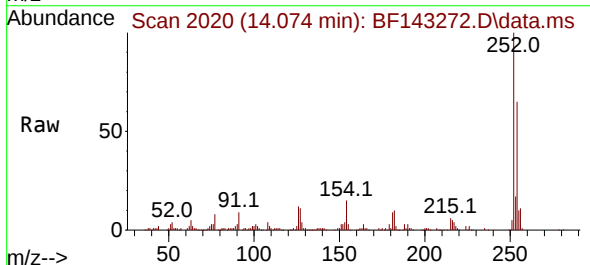
Tgt Ion:228 Resp: 642810
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.9 15.8 23.6

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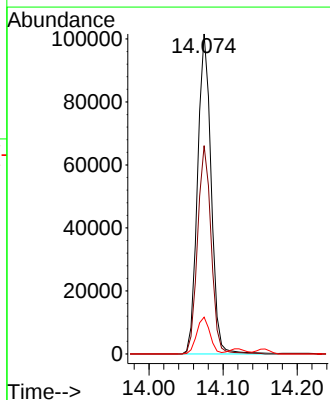
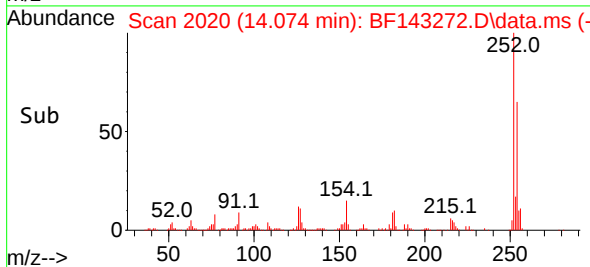
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

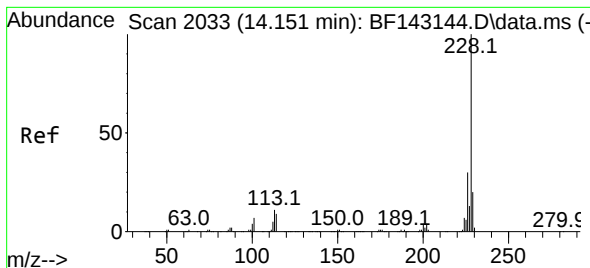


#82
3,3'-Dichlorobenzidine
Concen: 27.172 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion:252 Resp: 129138
Ion Ratio Lower Upper
252 100
254 65.1 51.7 77.5
126 11.5 9.4 14.0





#83

Chrysene

Concen: 42.960 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

Tgt Ion:228 Resp: 55077

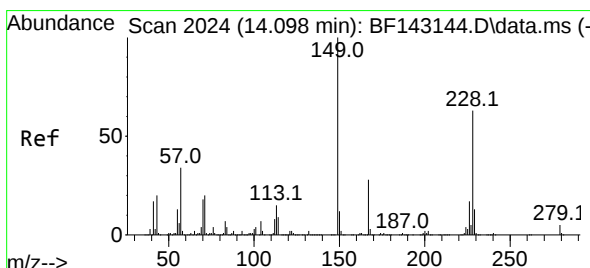
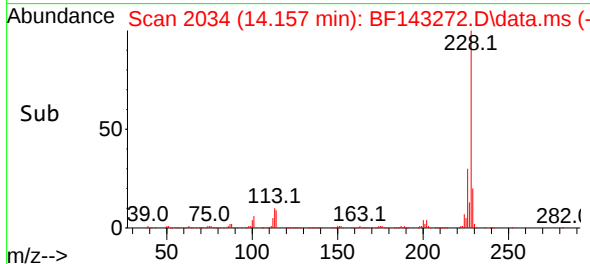
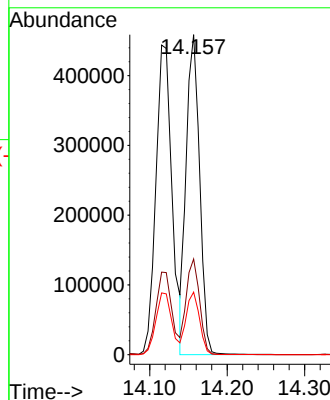
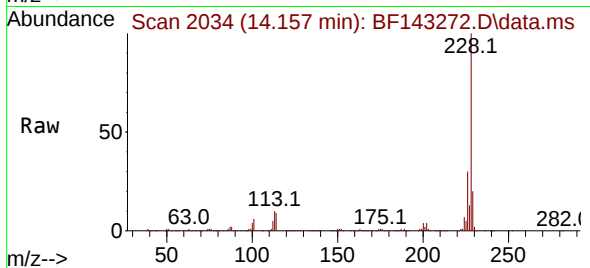
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.6	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.479 ng

RT: 14.104 min Scan# 2025

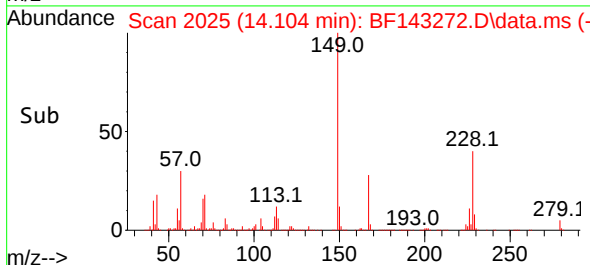
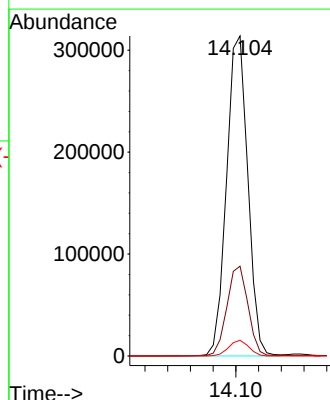
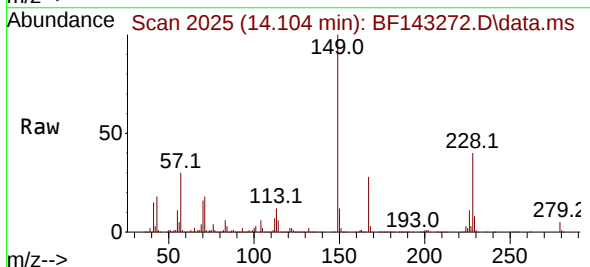
Delta R.T. 0.006 min

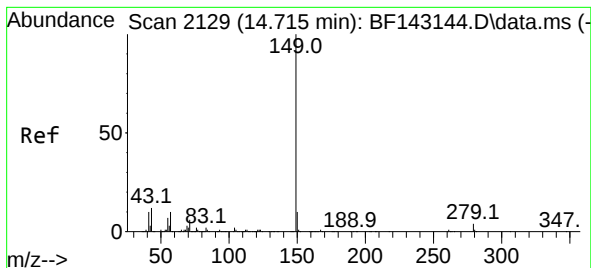
Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Tgt Ion:149 Resp: 408428

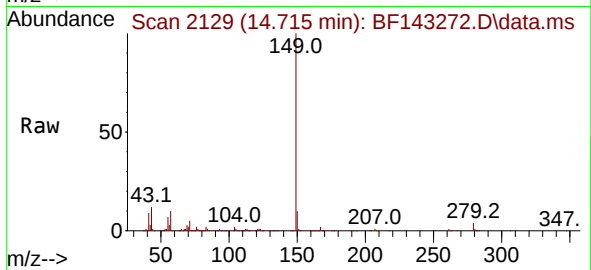
Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.3	33.5
279	4.9	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 43.281 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

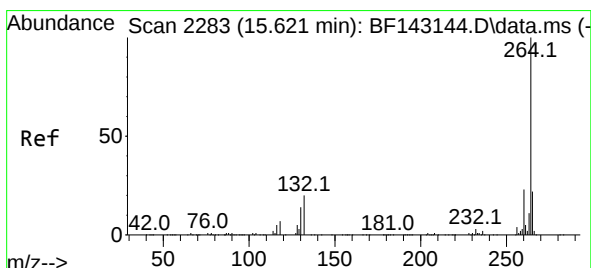
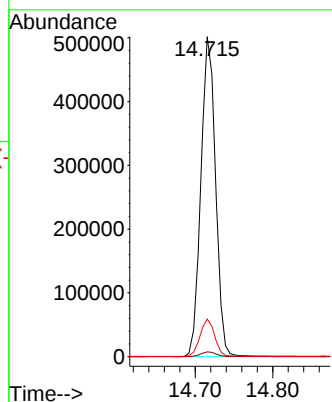
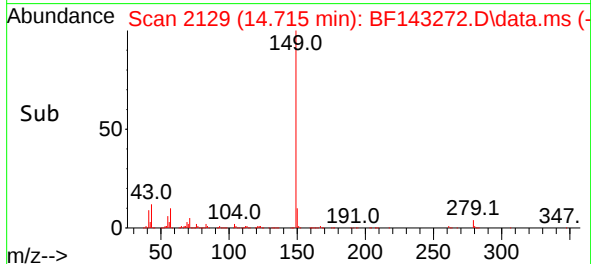
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



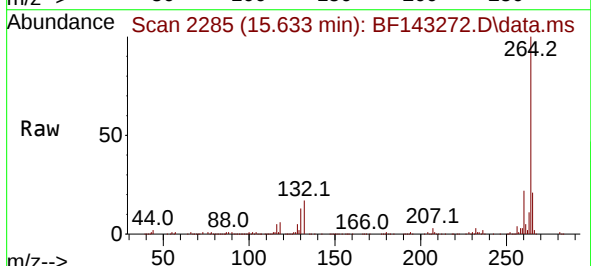
Tgt Ion:149 Resp: 66095
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.5 9.7 14.5

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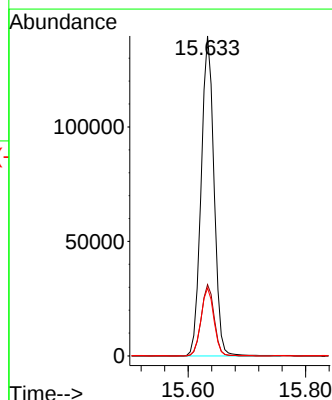
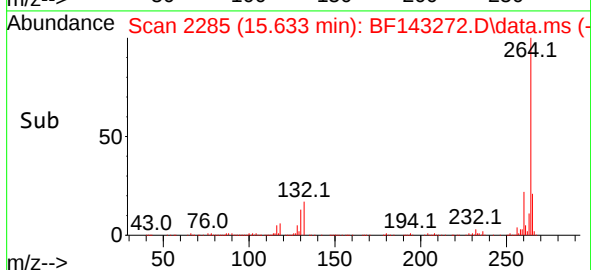
Reviewed By :Rahul Chavli 07/31/2025
Supervised By :mohammad ahmed 07/31/2025

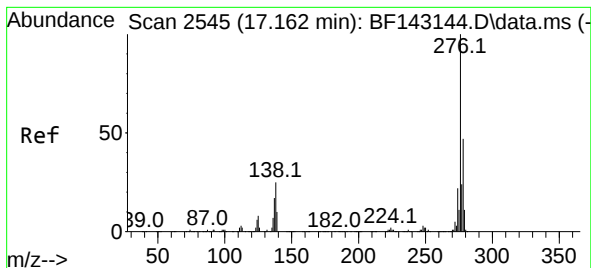


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion:264 Resp: 212260
Ion Ratio Lower Upper
264 100
260 22.3 18.5 27.7
265 21.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.065 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

Tgt Ion:276 Resp: 659532

Ion Ratio Lower Upper

276 100

138 24.3 21.8 32.6

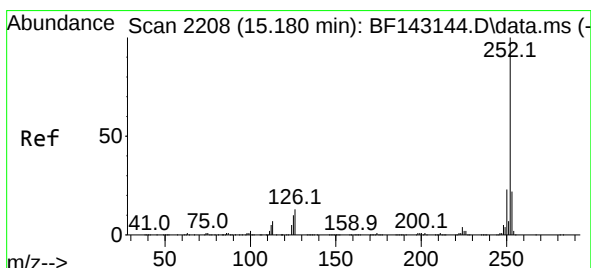
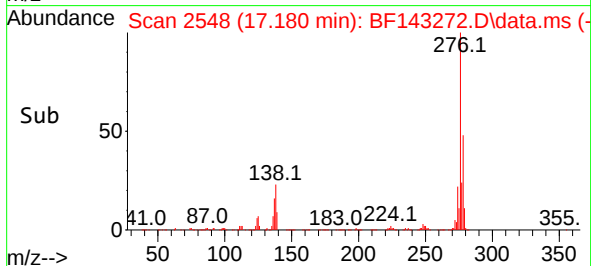
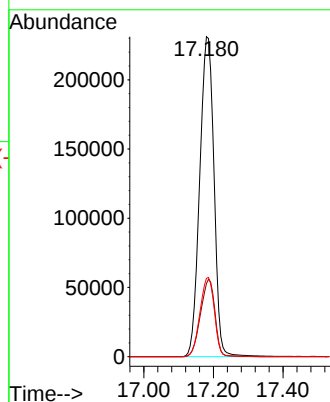
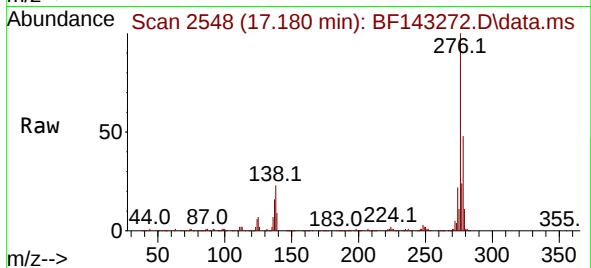
277 25.0 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#88

Benzo(b)fluoranthene

Concen: 43.865 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

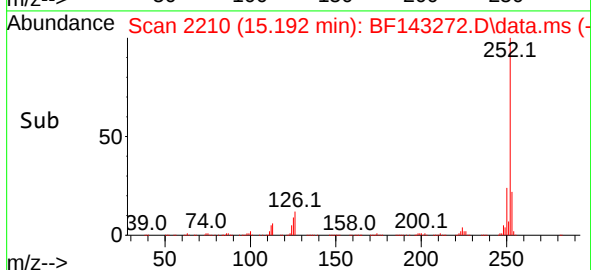
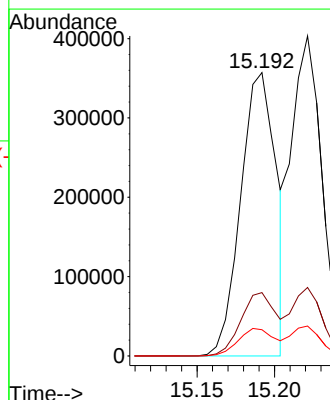
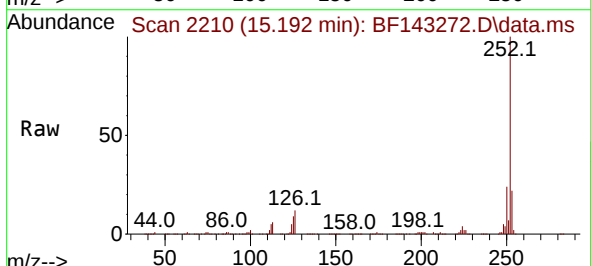
Tgt Ion:252 Resp: 568804

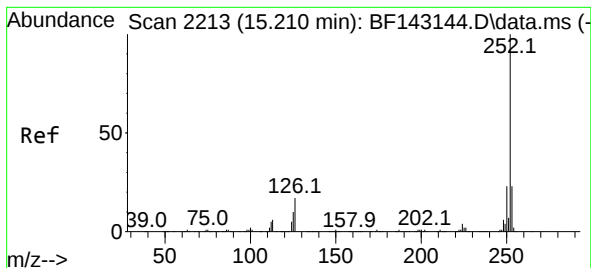
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 9.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 47.560 ng

RT: 15.221 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

Instrument :

BNA_F

ClientSampleId :

PB168971BSD

Tgt Ion:252 Resp: 550320

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

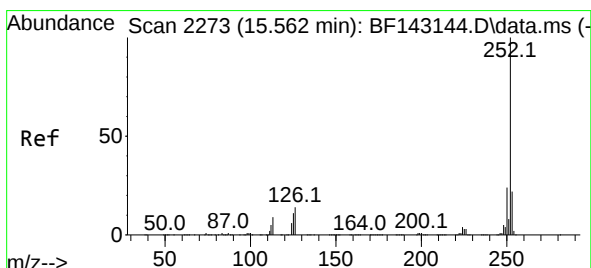
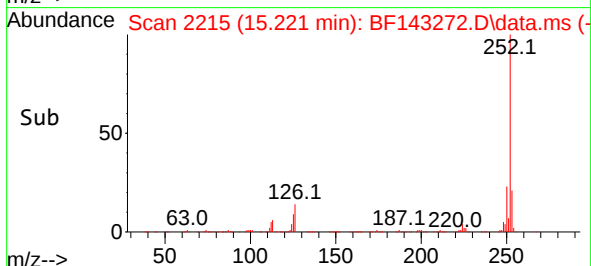
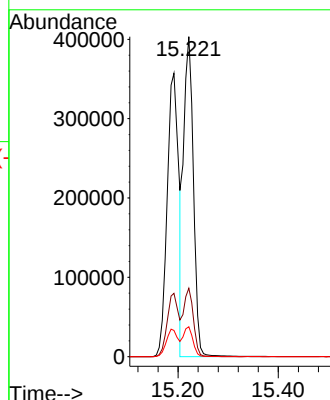
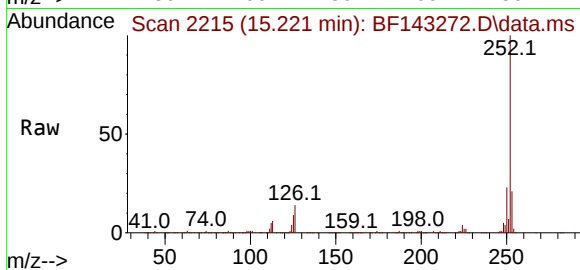
125 9.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/31/2025

Supervised By :mohammad ahmed 07/31/2025



#90

Benzo(a)pyrene

Concen: 45.147 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF143272.D

Acq: 30 Jul 2025 16:51

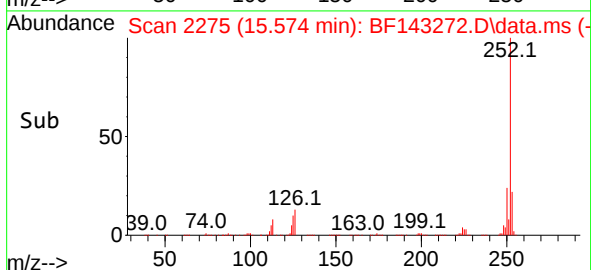
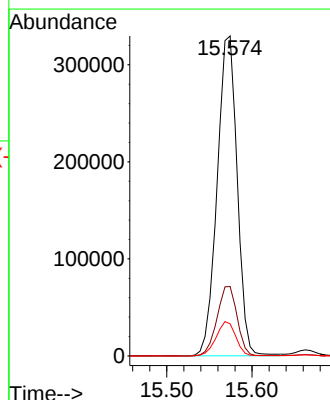
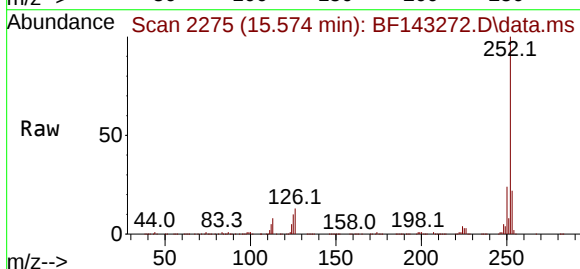
Tgt Ion:252 Resp: 539386

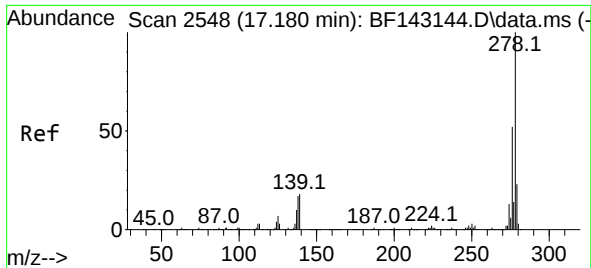
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

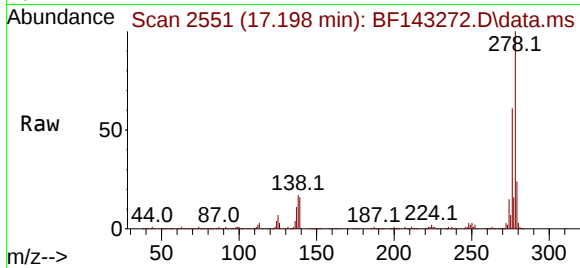
125 10.1 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 44.014 ng
RT: 17.198 min Scan# 2548
Delta R.T. 0.018 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51

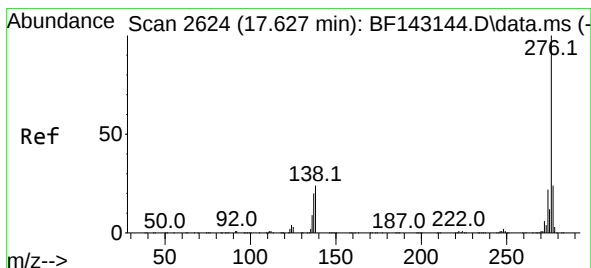
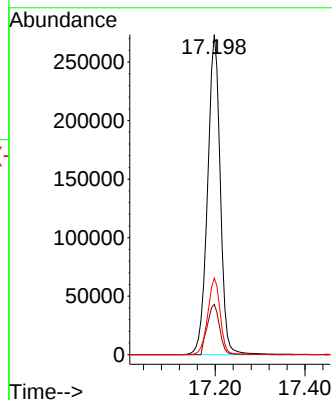
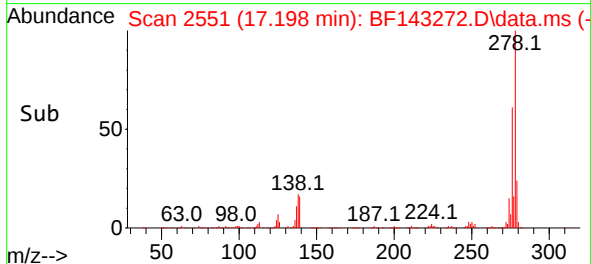
Instrument :
BNA_F
ClientSampleId :
PB168971BSD



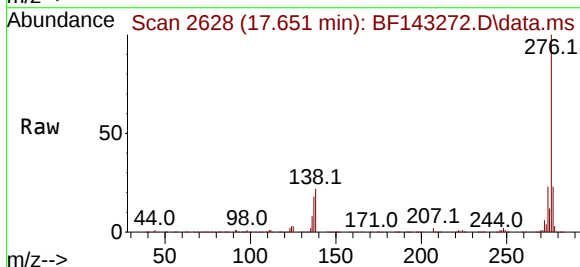
Tgt Ion:278 Resp: 53619
Ion Ratio Lower Upper
278 100
139 15.7 14.1 21.1
279 23.9 18.6 28.0

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 44.258 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.024 min
Lab File: BF143272.D
Acq: 30 Jul 2025 16:51



Tgt Ion:276 Resp: 521556
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 21.6 18.9 28.3

