

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143179.D
 Acq On : 22 Jul 2025 09:44
 Operator : RC/JU
 Sample : PB168813BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 22 11:14:21 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	148818	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	576425	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	308303	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	540032	20.000	ng	0.00
76) Chrysene-d12	14.127	240	276421	20.000	ng	0.00
86) Perylene-d12	15.633	264	278917	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1067004	113.460	ng	0.02
7) Phenol-d6	6.593	99	1361825	115.049	ng	0.00
23) Nitrobenzene-d5	7.522	82	944398	81.668	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	419377	131.675	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1670652	74.110	ng	0.00
79) Terphenyl-d14	13.075	244	1659178	89.322	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.934	88	161464	36.285	ng	99
3) Pyridine	3.675	79	446109	38.625	ng	99
4) n-Nitrosodimethylamine	3.622	42	262477	44.016	ng	100
6) Aniline	6.622	93	556846	33.754	ng	96
8) 2-Chlorophenol	6.751	128	439078	44.542	ng	98
9) Benzaldehyde	6.510	77	304356	34.290	ng	98
10) Phenol	6.604	94	576816	44.731	ng	94
11) bis(2-Chloroethyl)ether	6.693	93	430148	43.567	ng	100
12) 1,3-Dichlorobenzene	6.910	146	456124	42.595	ng	99
13) 1,4-Dichlorobenzene	6.981	146	460379	42.691	ng	100
14) 1,2-Dichlorobenzene	7.134	146	447172	43.597	ng	99
15) Benzyl Alcohol	7.098	79	412922	45.687	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	811805	44.324	ng	99
17) 2-Methylphenol	7.210	107	370529	44.705	ng	100
18) Hexachloroethane	7.481	117	165860	44.428	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	331784	43.689	ng	99
20) 3+4-Methylphenols	7.363	107	444798	44.232	ng	# 83
22) Acetophenone	7.369	105	597065	43.751	ng	97
24) Nitrobenzene	7.540	77	487538	45.221	ng	99
25) Isophorone	7.781	82	924505	45.288	ng	99
26) 2-Nitrophenol	7.857	139	233949	50.000	ng	99
27) 2,4-Dimethylphenol	7.893	122	432302	45.326	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	546978	44.689	ng	100
29) 2,4-Dichlorophenol	8.098	162	367314	45.667	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	382623	44.032	ng	100
31) Naphthalene	8.269	128	1254290	44.183	ng	100
32) Benzoic acid	8.010	122	275604	50.943	ng	98
33) 4-Chloroaniline	8.304	127	196806	16.978	ng	99
34) Hexachlorobutadiene	8.387	225	232563	43.811	ng	99
35) Caprolactam	8.681	113	129786m	53.398	ng	
36) 4-Chloro-3-methylphenol	8.787	107	413921	47.346	ng	100
37) 2-Methylnaphthalene	8.957	142	773479	44.775	ng	100
38) 1-Methylnaphthalene	9.057	142	795535	44.722	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	372068	41.800	ng	99
41) Hexachlorocyclopentadiene	9.116	237	507942	87.703	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	273909	44.464	ng	100

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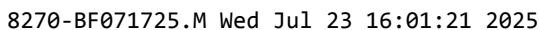
Quant Time: Jul 22 11:14:21 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	284651	46.193	ng	99
46) 1,1'-Biphenyl	9.422	154	1046849	43.521	ng	99
47) 2-Chloronaphthalene	9.451	162	765933	43.035	ng	99
48) 2-Nitroaniline	9.534	65	277706	49.756	ng	97
49) Acenaphthylene	9.869	152	1311787	43.980	ng	100
50) Dimethylphthalate	9.722	163	934025	46.478	ng	99
51) 2,6-Dinitrotoluene	9.781	165	204978	50.140	ng	98
52) Acenaphthene	10.039	154	858201	48.681	ng	97
53) 3-Nitroaniline	9.945	138	157455	32.928	ng	98
54) 2,4-Dinitrophenol	10.051	184	204107	107.647	ng	# 1
55) Dibenzofuran	10.210	168	1154840	44.122	ng	100
56) 4-Nitrophenol	10.104	139	364810	102.167	ng	98
57) 2,4-Dinitrotoluene	10.186	165	273950	53.412	ng	97
58) Fluorene	10.551	166	889443	45.279	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	247005	48.390	ng	99
60) Diethylphthalate	10.422	149	954021	48.030	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	437991	44.778	ng	98
62) 4-Nitroaniline	10.563	138	217627	53.103	ng	100
63) Azobenzene	10.704	77	968287	46.773	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	134879	47.684	ng	98
66) n-Nitrosodiphenylamine	10.663	169	809593	42.574	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	278455	43.267	ng	99
68) Hexachlorobenzene	11.104	284	292998	43.557	ng	98
69) Atrazine	11.181	200	257256	49.071	ng	99
70) Pentachlorophenol	11.292	266	369820	93.487	ng	99
71) Phenanthrene	11.516	178	1261416	43.992	ng	100
72) Anthracene	11.569	178	1274603	43.585	ng	100
73) Carbazole	11.716	167	1167519	45.721	ng	100
74) Di-n-butylphthalate	12.045	149	1413258	48.912	ng	100
75) Fluoranthene	12.704	202	1272502	48.349	ng	100
77) Benzidine	12.816	184	484143	45.460	ng	99
78) Pyrene	12.933	202	1245151	52.781	ng	99
80) Butylbenzylphthalate	13.545	149	419591	58.084	ng	98
81) Benzo(a)anthracene	14.116	228	834348	45.084	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	150923	24.469	ng	100
83) Chrysene	14.157	228	773845	46.508	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	542125	49.581	ng	100
85) Di-n-octyl phthalate	14.721	149	872909	44.043	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	901700	45.847	ng	99
88) Benzo(b)fluoranthene	15.186	252	805003	47.244	ng	99
89) Benzo(k)fluoranthene	15.216	252	670629	44.106	ng	99
90) Benzo(a)pyrene	15.568	252	726542	46.279	ng	100
91) Dibenzo(a,h)anthracene	17.192	278	727463	45.444	ng	99
92) Benzo(g,h,i)perylene	17.645	276	723992	46.754	ng	99

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

Manual Integrations

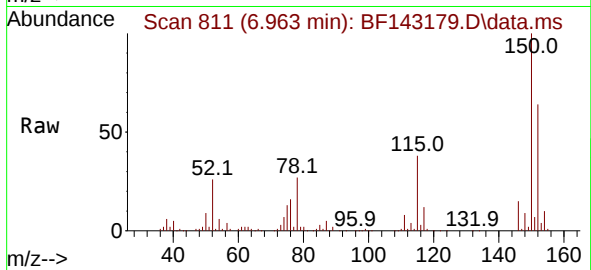
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

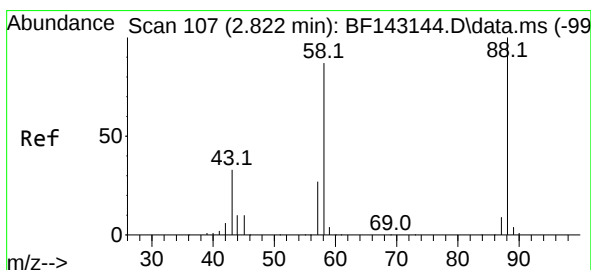
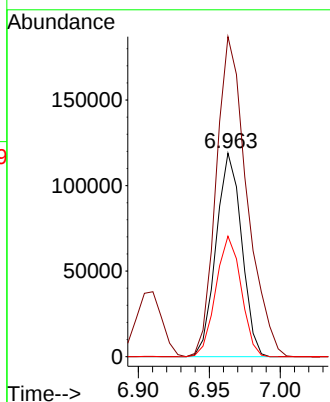
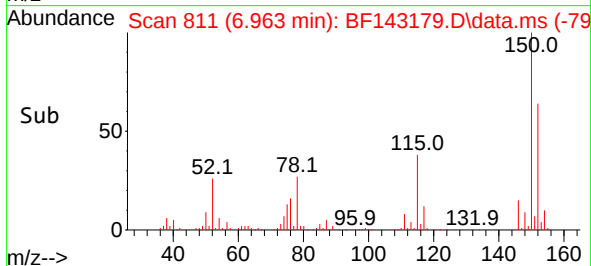
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:152 Resp: 148818
Ion Ratio Lower Upper
152 100
150 157.2 128.2 192.4
115 59.2 47.9 71.9

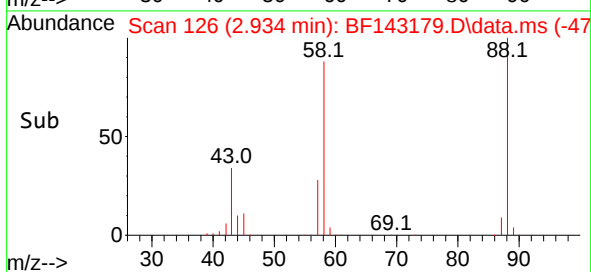
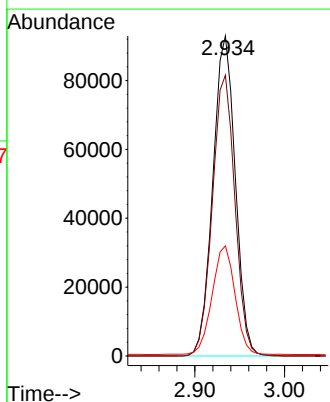
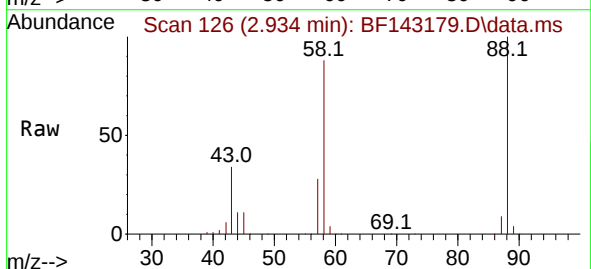
Manual Integrations
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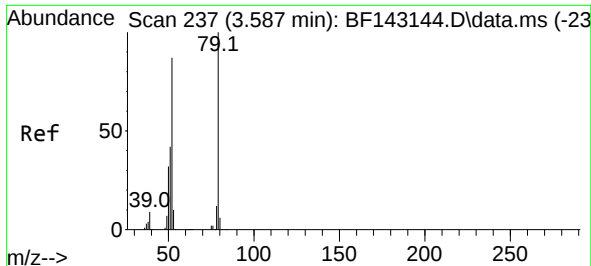
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#2
1,4-Dioxane
Concen: 36.285 ng
RT: 2.934 min Scan# 126
Delta R.T. 0.112 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

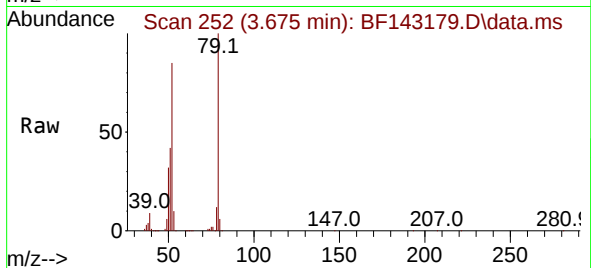
Tgt Ion: 88 Resp: 161464
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.2
43 35.0 27.1 40.7





#3
Pyridine
Concen: 38.625 ng
RT: 3.675 min Scan# 241
Delta R.T. 0.088 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

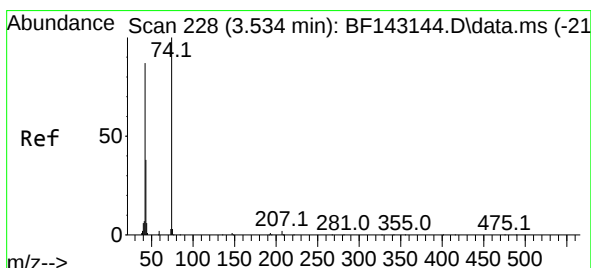
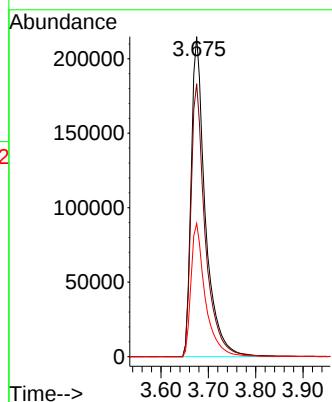
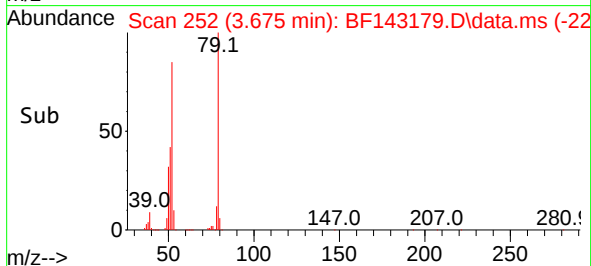
Instrument :
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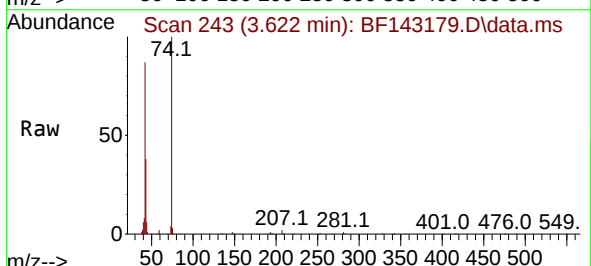
Tgt Ion: 79 Resp: 446109
Ion Ratio Lower Upper
79 100
52 85.3 69.4 104.2
51 41.6 33.5 50.3

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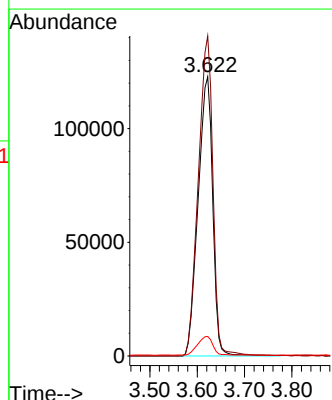
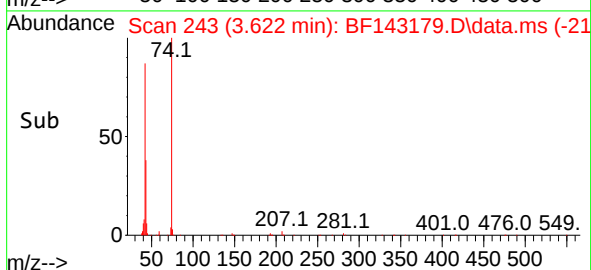
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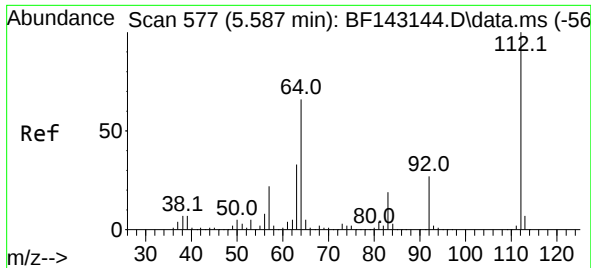


#4
n-Nitrosodimethylamine
Concen: 44.016 ng
RT: 3.622 min Scan# 243
Delta R.T. 0.088 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion: 42 Resp: 262477
Ion Ratio Lower Upper
42 100
74 114.6 91.7 137.5
44 7.0 5.6 8.4





#5
2-Fluorophenol
Concen: 113.460 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

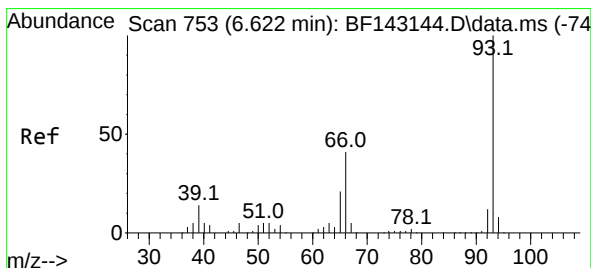
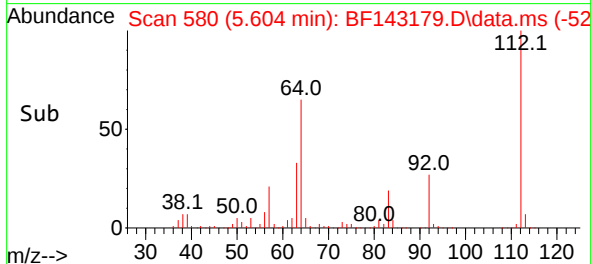
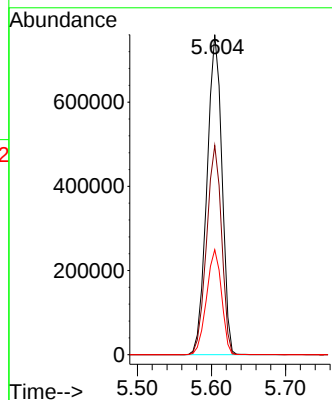
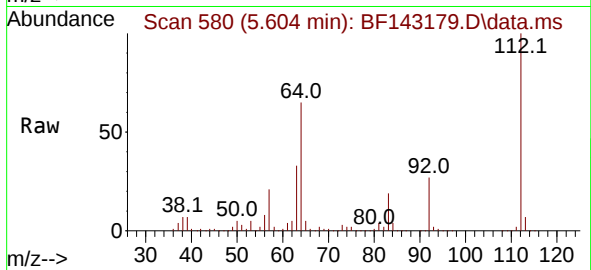
PB168813BS

Tgt Ion:112 Resp: 1067004
Ion Ratio Lower Upper
112 100
64 65.4 53.1 79.7
63 32.8 26.6 40.0

Manual Integrations

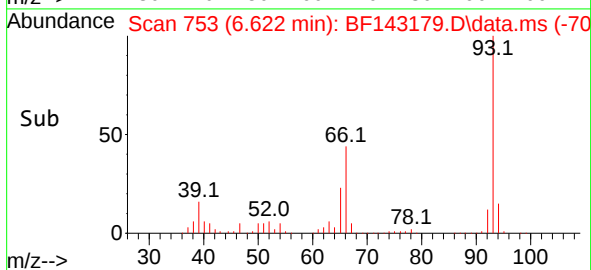
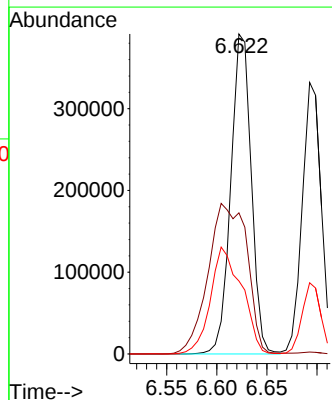
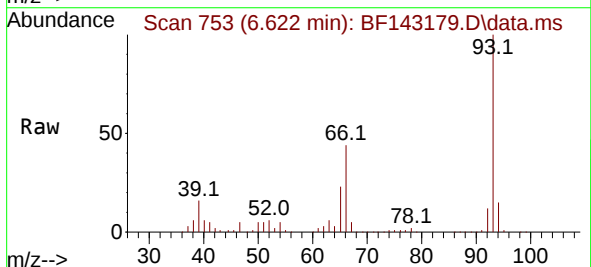
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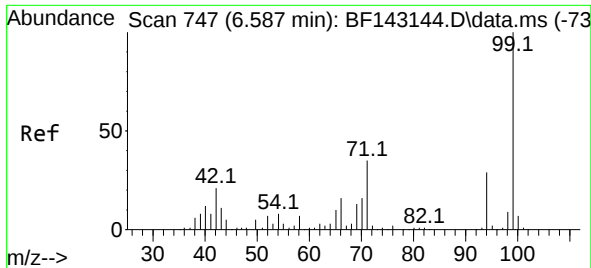
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#6
Aniline
Concen: 33.754 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

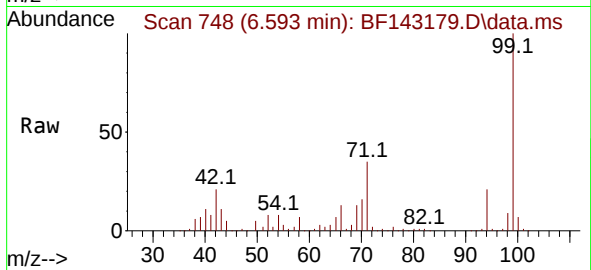
Tgt Ion: 93 Resp: 556846
Ion Ratio Lower Upper
93 100
66 44.1 33.2 49.8
65 22.8 16.9 25.3





#7
Phenol-d6
Concen: 115.049 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

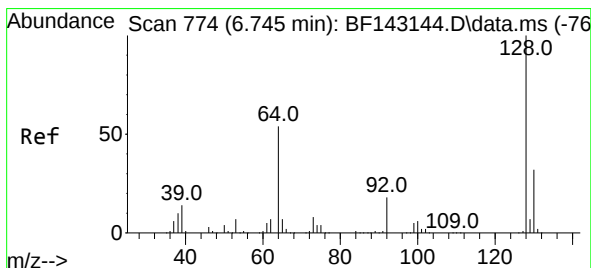
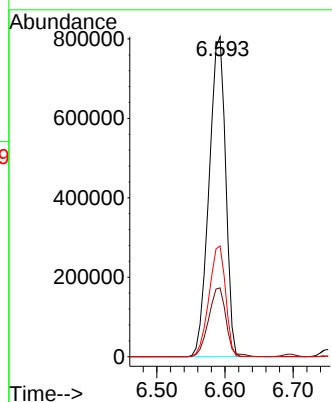
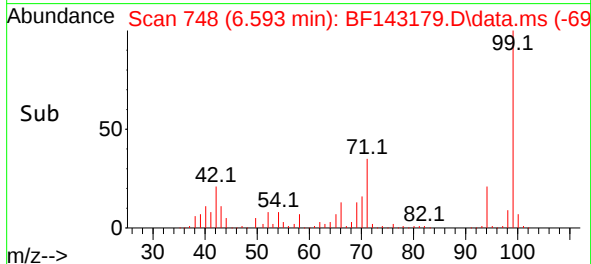
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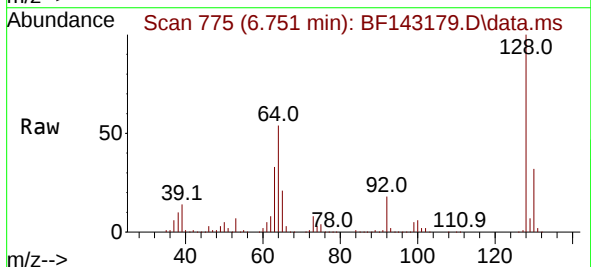
Tgt Ion: 99 Resp: 136182
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 34.6 27.7 41.5

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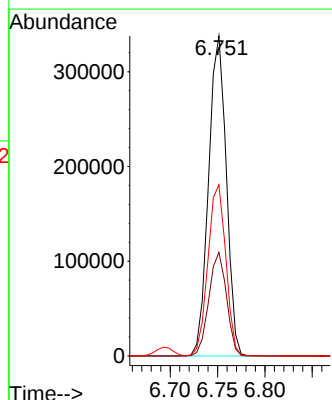
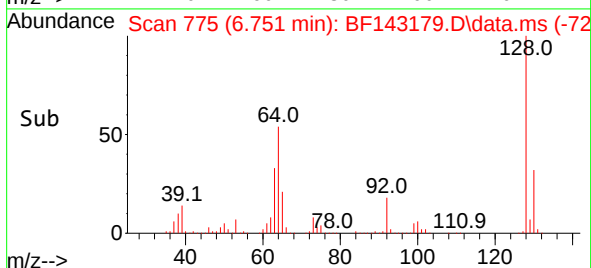
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#8
2-Chlorophenol
Concen: 44.542 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



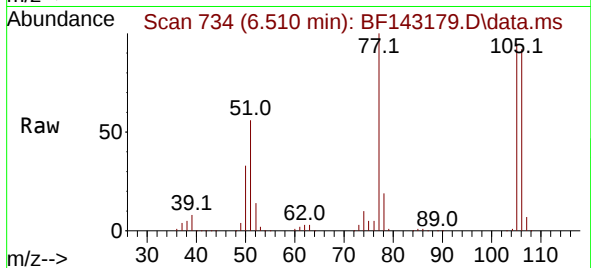
Tgt Ion:128 Resp: 439078
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 53.5 35.9 75.9





#9
Benzaldehyde
Concen: 34.290 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

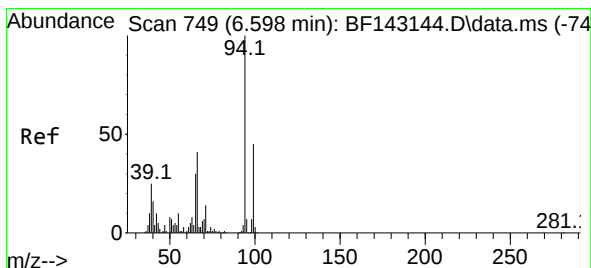
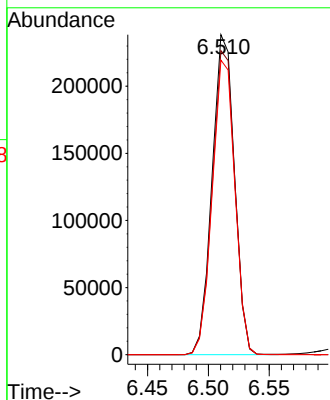
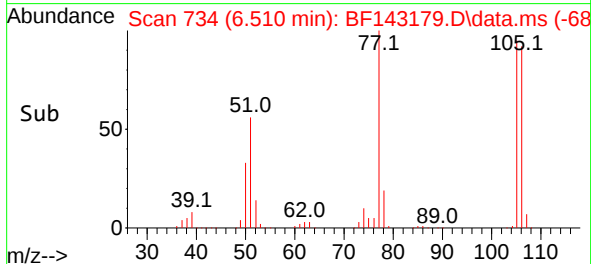
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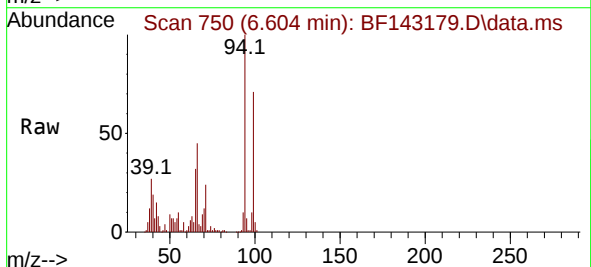
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Ion Ratio Lower Upper
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105 95.0 76.8 116.8
106 92.1 74.4 114.4

Manual Integrations
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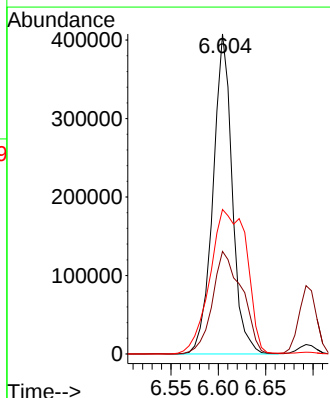
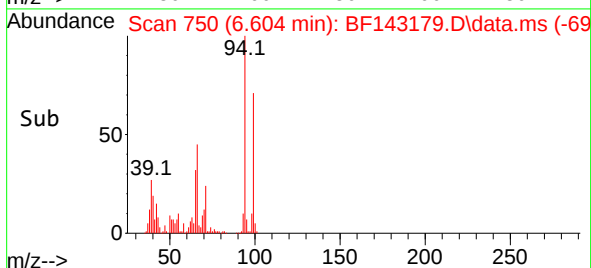
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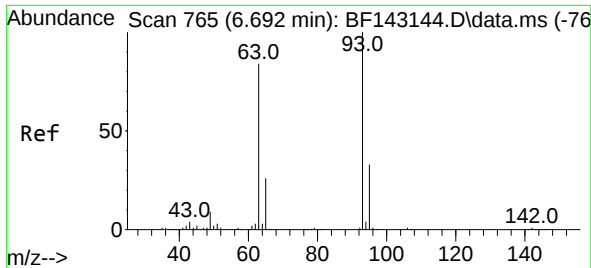


#10
Phenol
Concen: 44.731 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion: 94 Resp: 576816
Ion Ratio Lower Upper
94 100
65 32.0 10.0 50.0
66 45.1 20.8 60.8





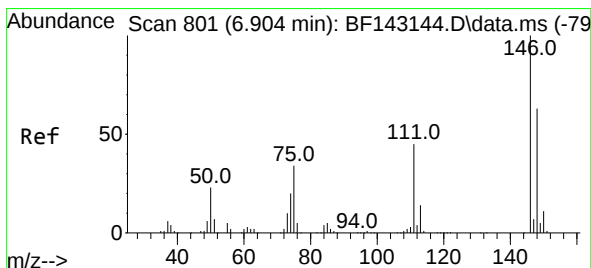
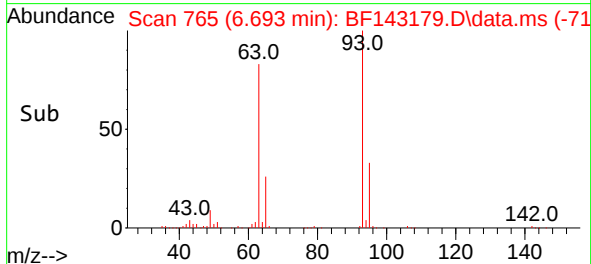
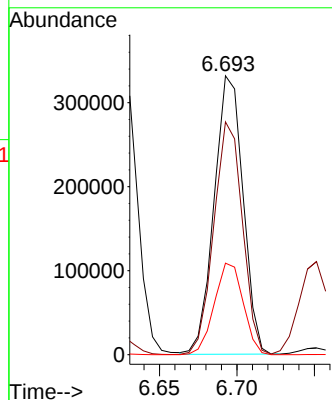
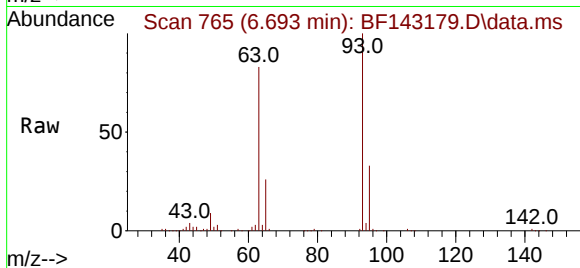
#11
bis(2-Chloroethyl)ether
Concen: 43.567 ng
RT: 6.693 min Scan# 701
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 93 Resp: 430148
Ion Ratio Lower Upper
93 100
63 83.4 63.4 103.4
95 32.8 12.4 52.4

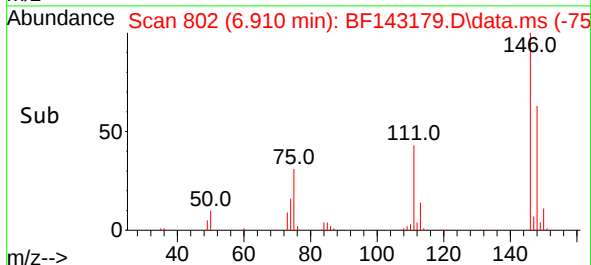
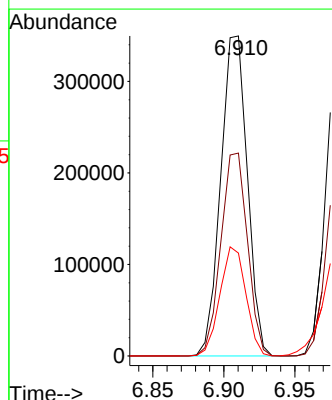
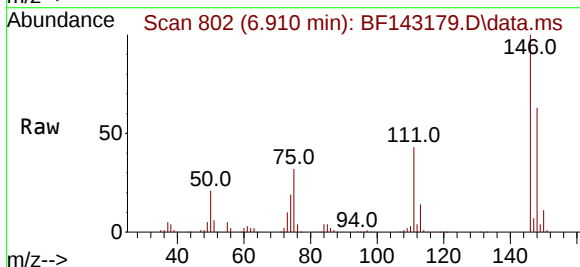
Manual Integrations
APPROVED

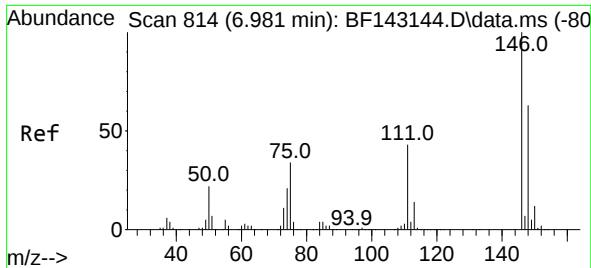
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#12
1,3-Dichlorobenzene
Concen: 42.595 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:146 Resp: 456124
Ion Ratio Lower Upper
146 100
148 63.4 50.6 76.0
75 32.1 27.4 41.2





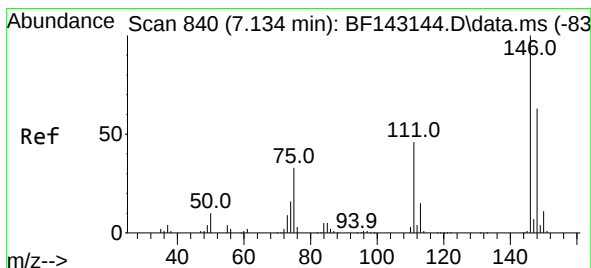
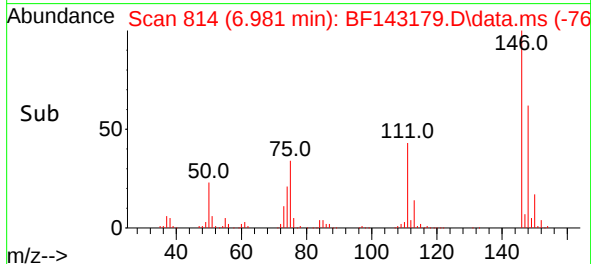
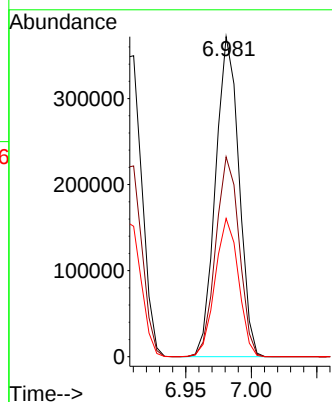
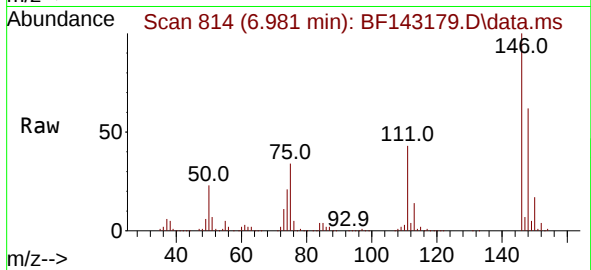
#13
1,4-Dichlorobenzene
Concen: 42.691 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:146 Resp: 460379
Ion Ratio Lower Upper
146 100
148 62.5 50.3 75.5
111 43.2 34.4 51.6

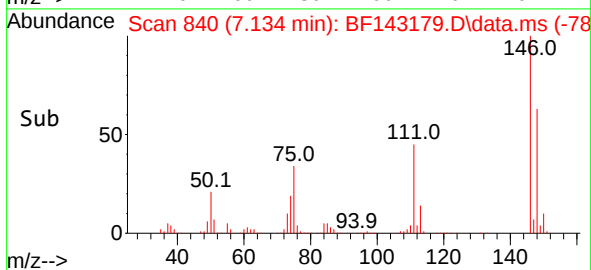
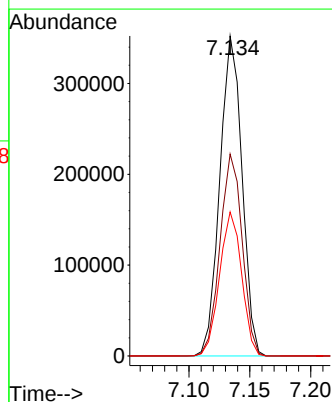
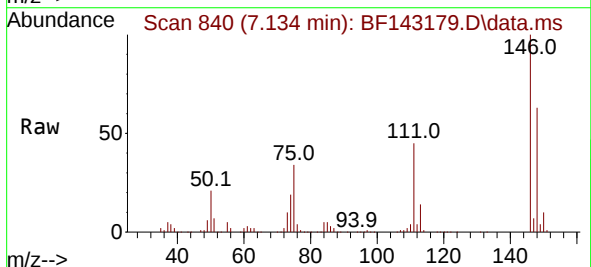
Manual Integrations
APPROVED

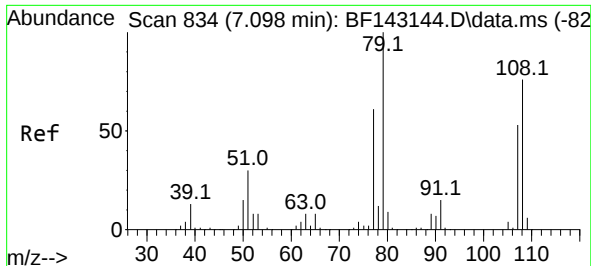
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#14
1,2-Dichlorobenzene
Concen: 43.597 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

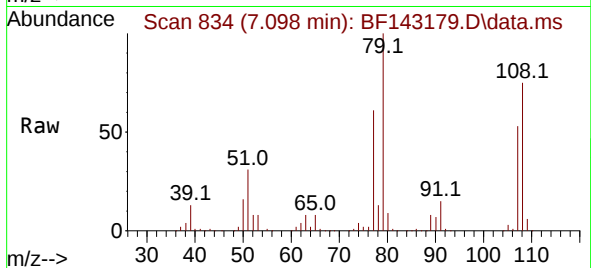
Tgt Ion:146 Resp: 447172
Ion Ratio Lower Upper
146 100
148 63.1 50.7 76.1
111 45.0 36.6 54.8





#15
Benzyl Alcohol
Concen: 45.687 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

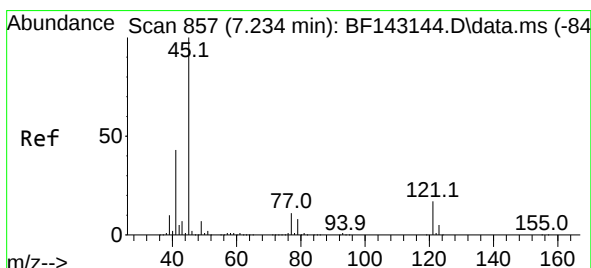
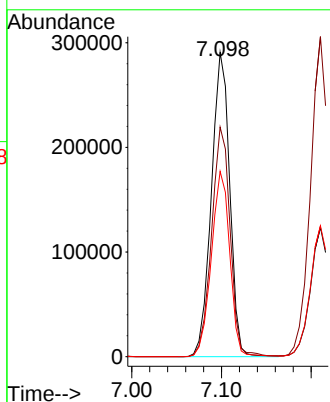
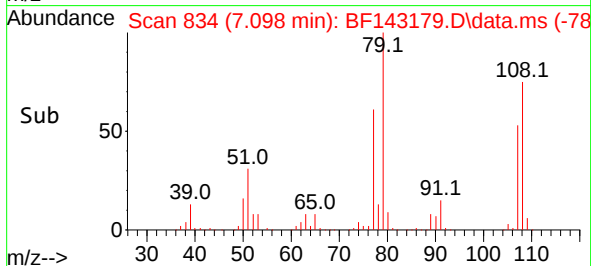
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion: 79 Resp: 41292
Ion Ratio Lower Upper
79 100
108 75.5 61.1 91.7
77 60.9 48.9 73.3

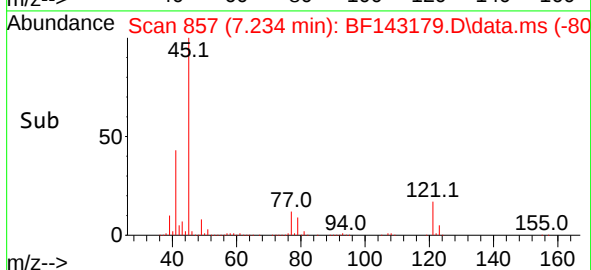
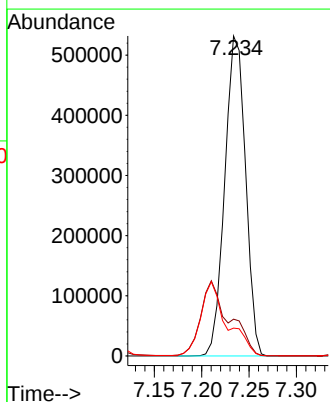
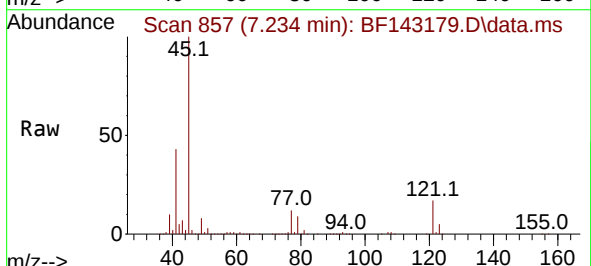
Manual Integrations
APPROVED

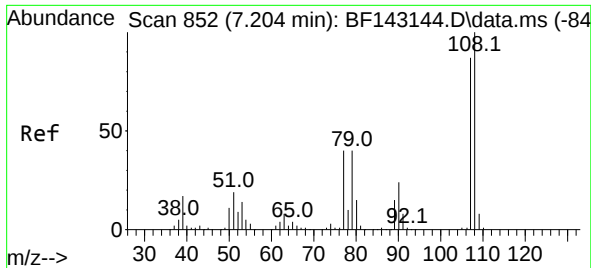
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.324 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 45 Resp: 811805
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.2
79 8.7 0.0 28.5





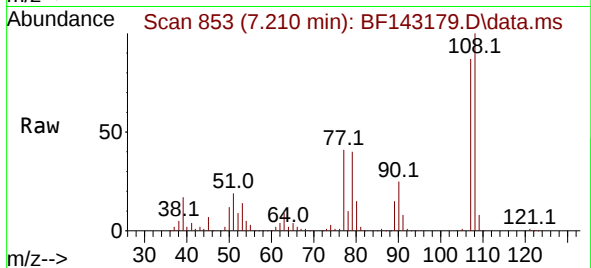
#17
2-Methylphenol
Concen: 44.705 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



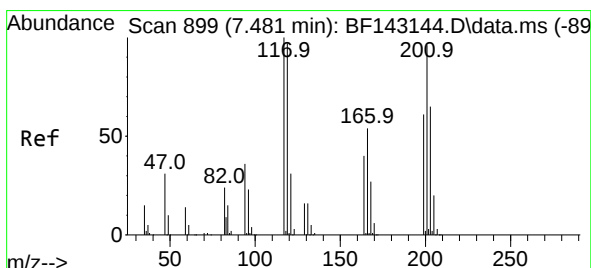
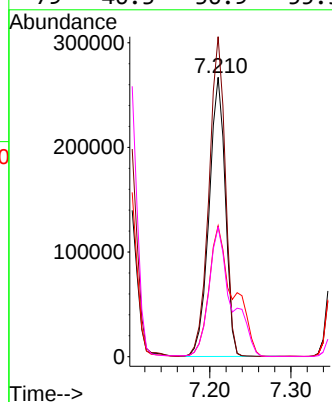
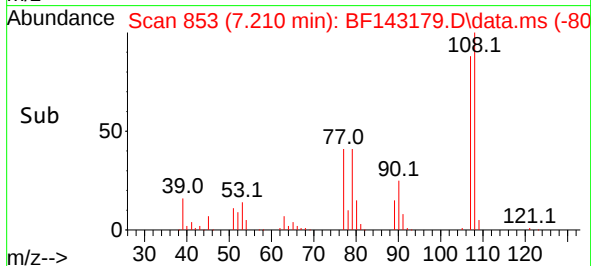
Tgt Ion:107 Resp: 370529
Ion Ratio Lower Upper
107 100
108 114.6 91.8 137.6
77 46.9 37.0 55.6
79 46.3 36.9 55.3

Manual Integrations

APPROVED

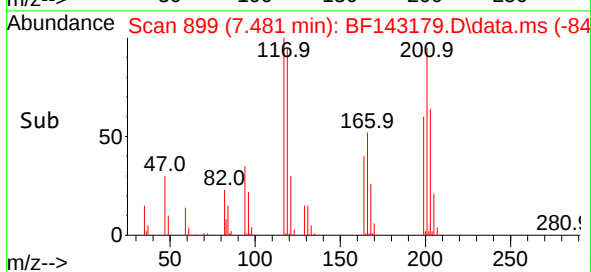
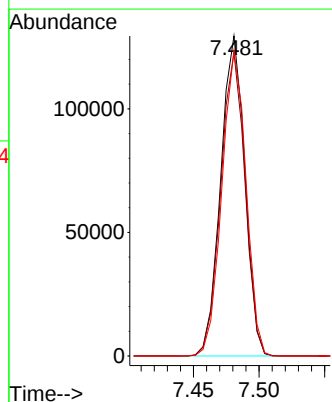
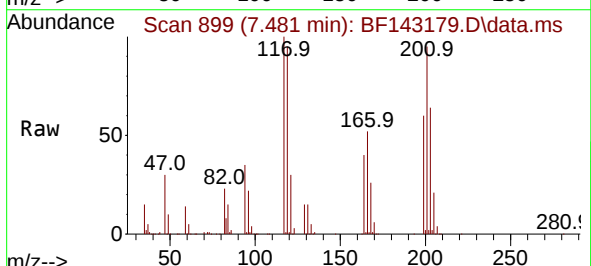
Reviewed By :Rahul Chavli 07/23/2025

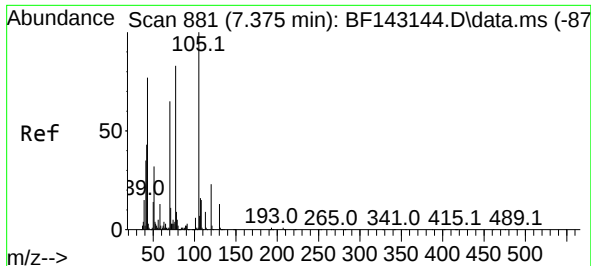
Supervised By :Jagrut Upadhyay 07/23/2025



#18
Hexachloroethane
Concen: 44.428 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:117 Resp: 165860
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.8
201 95.3 77.0 115.4





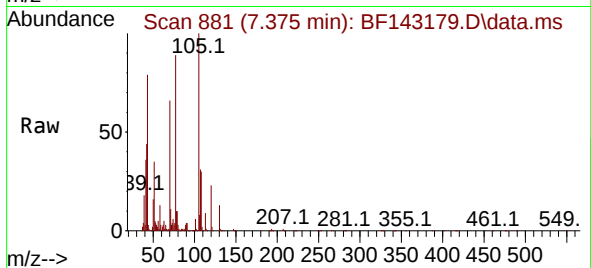
#19
n-Nitroso-di-n-propylamine
Concen: 43.689 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



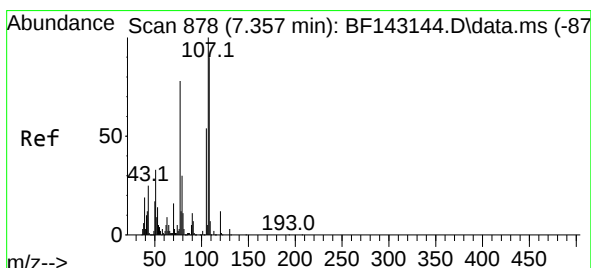
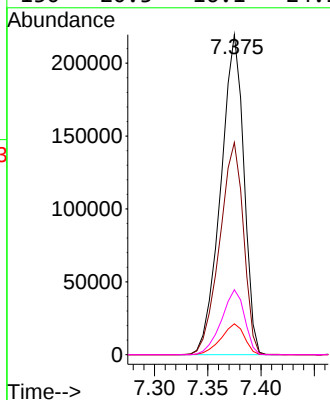
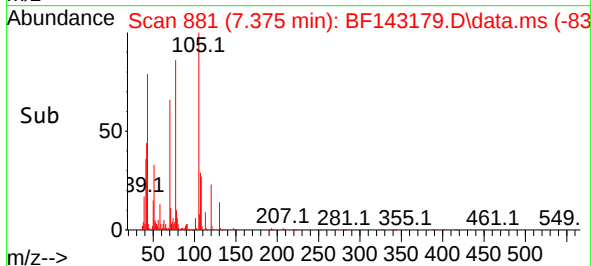
Tgt Ion: 70 Resp: 331784
Ion Ratio Lower Upper
70 100
42 66.3 52.5 78.7
101 9.7 7.6 11.4
130 20.3 16.1 24.1

Manual Integrations

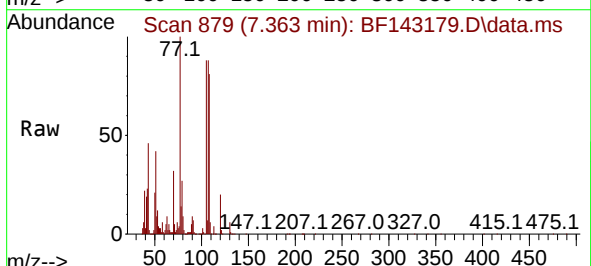
APPROVED

Reviewed By :Rahul Chavli 07/23/2025

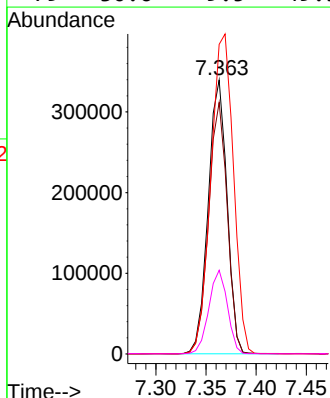
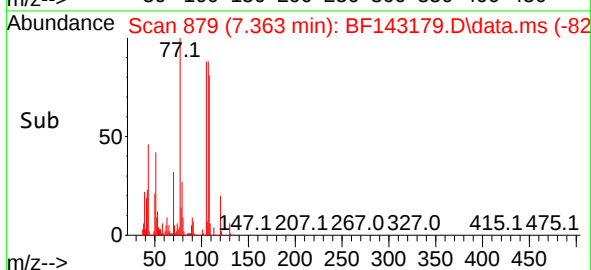
Supervised By :Jagrut Upadhyay 07/23/2025



#20
3+4-Methylphenols
Concen: 44.232 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:107 Resp: 444798
Ion Ratio Lower Upper
107 100
108 91.8 70.0 110.0
77 113.0 57.8 97.8#
79 30.6 9.5 49.5





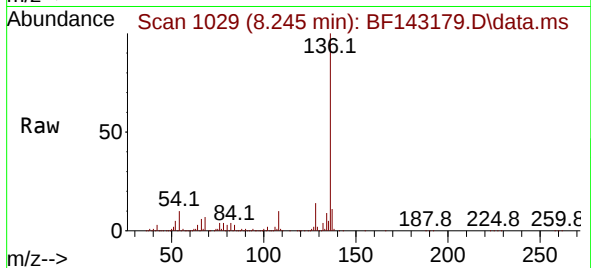
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



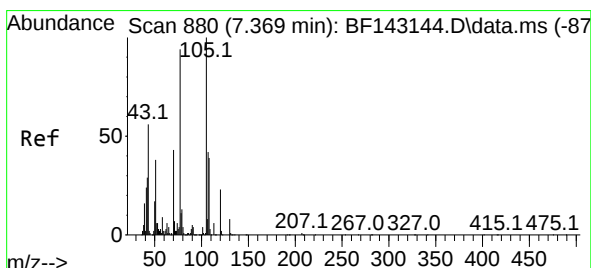
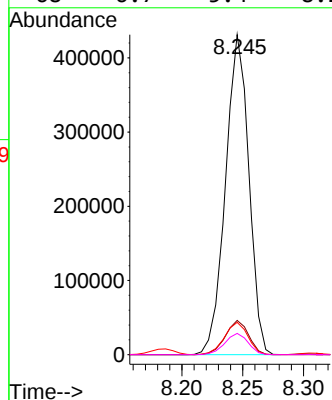
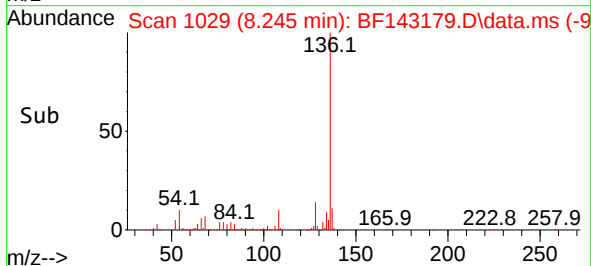
Tgt Ion:136 Resp: 576425
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.1 8.2 12.2
68 6.7 5.4 8.2

Manual Integrations

APPROVED

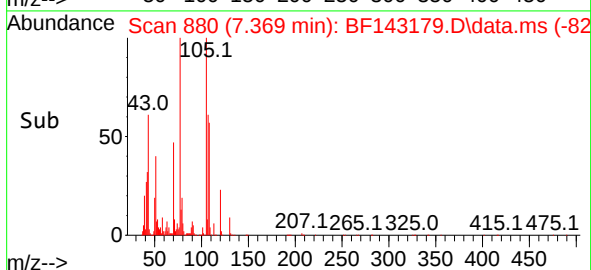
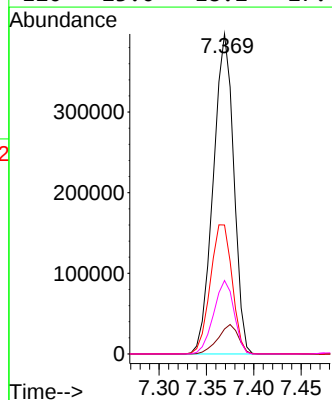
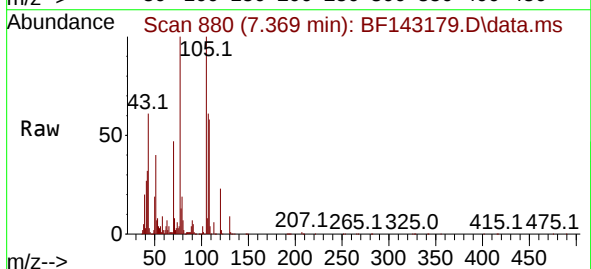
Reviewed By :Rahul Chavli 07/23/2025

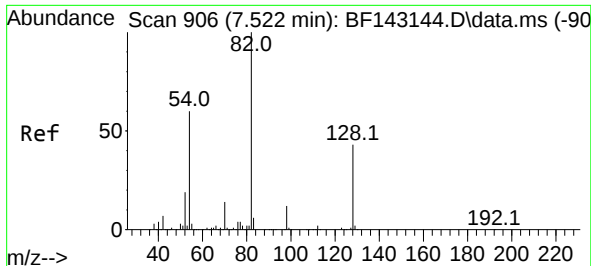
Supervised By :Jagrut Upadhyay 07/23/2025



#22
Acetophenone
Concen: 43.751 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:105 Resp: 597065
Ion Ratio Lower Upper
105 100
71 7.8 5.8 8.6
51 40.3 30.2 45.2
120 23.0 18.2 27.4





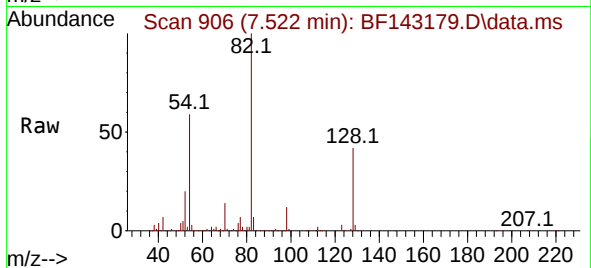
#23
Nitrobenzene-d5
Concen: 81.668 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

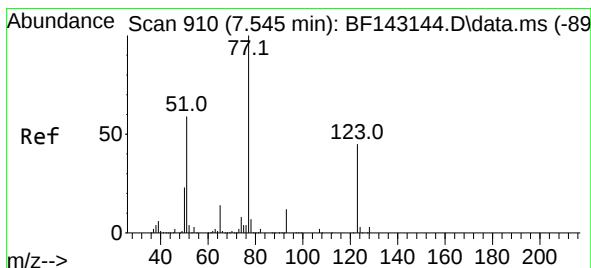
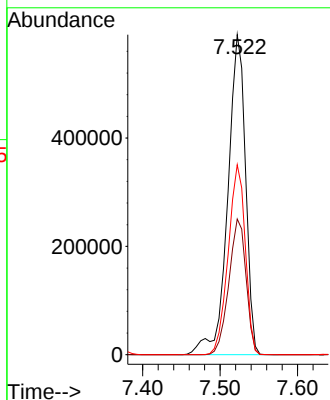
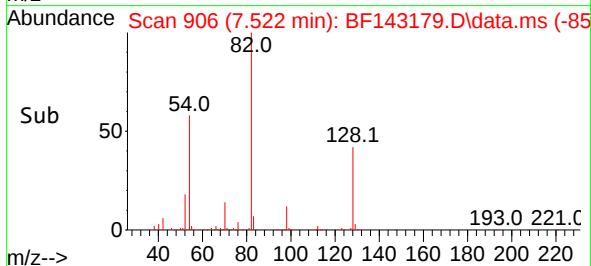


Tgt Ion: 82 Resp: 944398
Ion Ratio Lower Upper
82 100
128 42.4 33.6 50.4
54 59.3 47.1 70.7

Manual Integrations

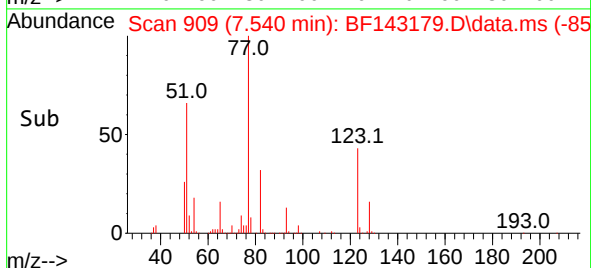
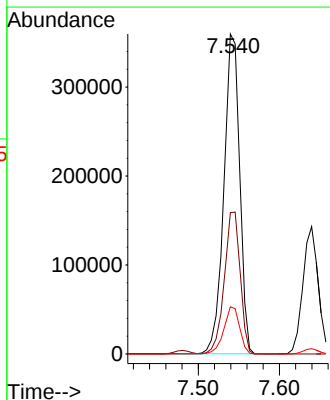
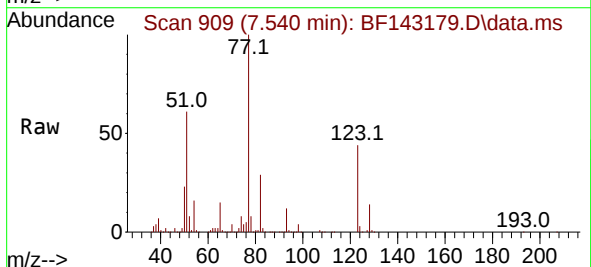
APPROVED

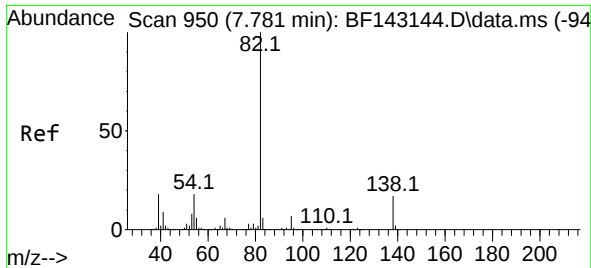
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#24
Nitrobenzene
Concen: 45.221 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

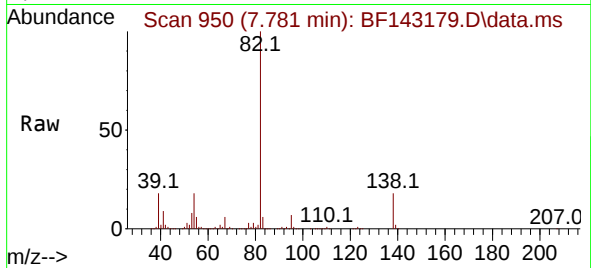
Tgt Ion: 77 Resp: 487538
Ion Ratio Lower Upper
77 100
123 44.1 36.1 54.1
65 14.8 11.4 17.2





#25
Isophorone
Concen: 45.288 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

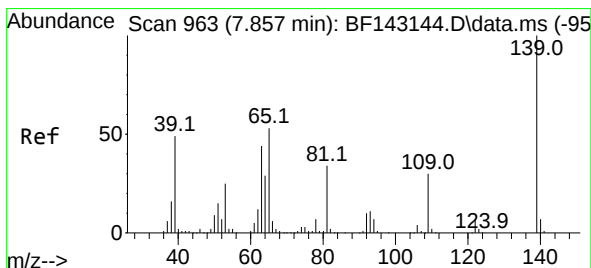
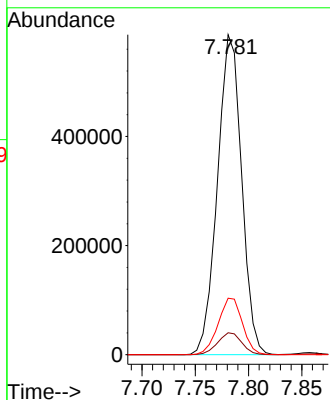
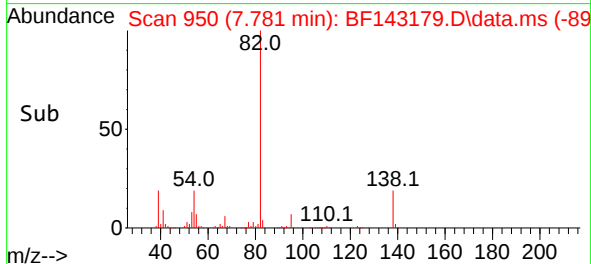
Instrument :
BNA_F
ClientSampleId :
PB168813BS



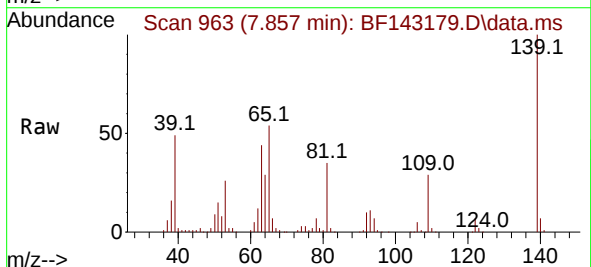
Tgt Ion: 82 Resp: 92450
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.7 13.8 20.8

Manual Integrations
APPROVED

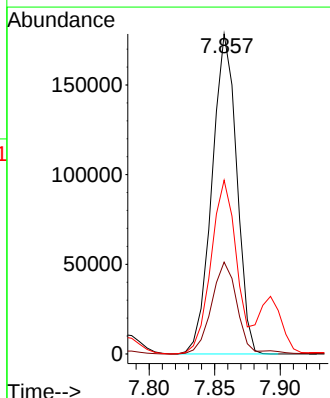
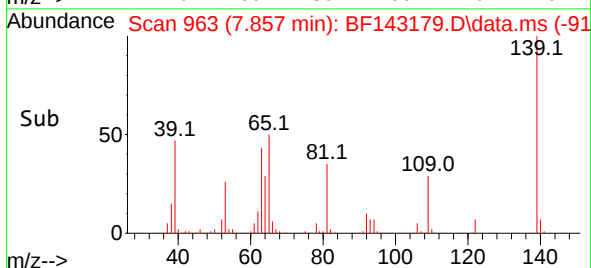
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#26
2-Nitrophenol
Concen: 50.000 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:139 Resp: 233949
Ion Ratio Lower Upper
139 100
109 28.7 23.6 35.4
65 54.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 45.326 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:122 Resp: 43230

Ion Ratio Lower Upper

122 100

107 113.7 91.8 137.6

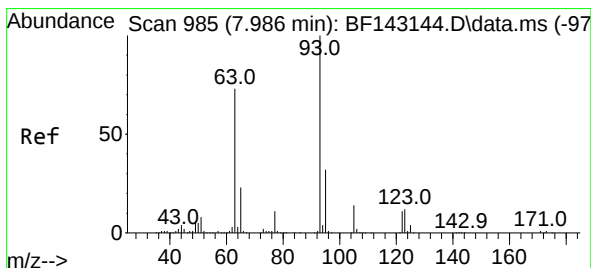
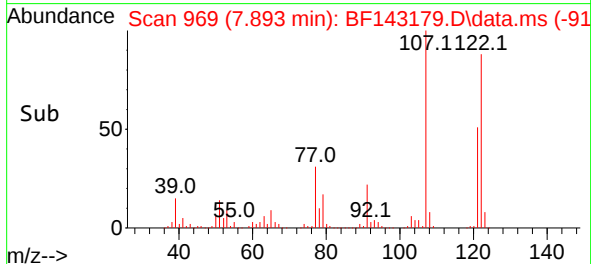
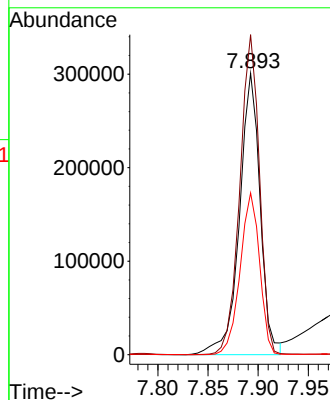
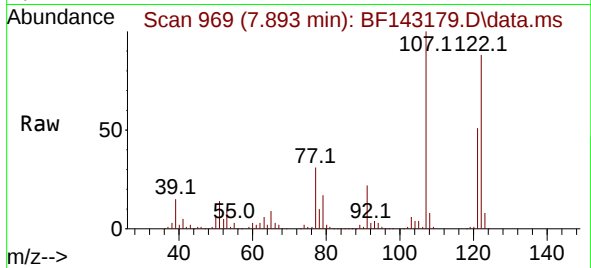
121 57.5 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#28

bis(2-Chloroethoxy)methane

Concen: 44.689 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

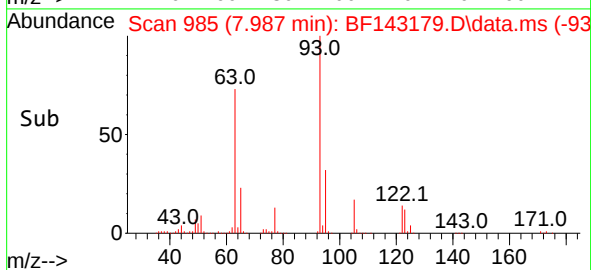
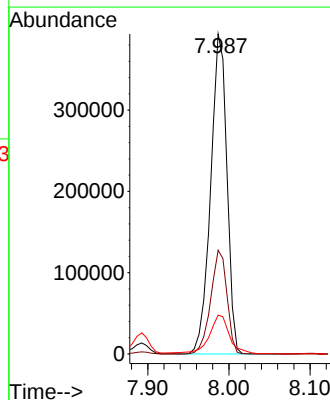
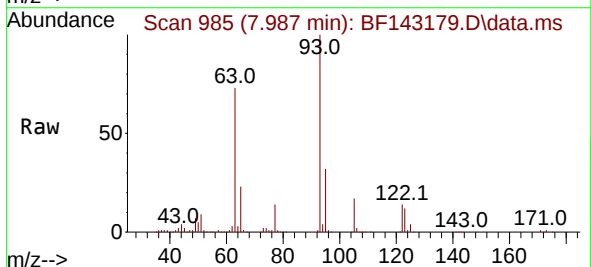
Tgt Ion: 93 Resp: 546978

Ion Ratio Lower Upper

93 100

95 32.4 25.8 38.6

123 12.1 9.7 14.5





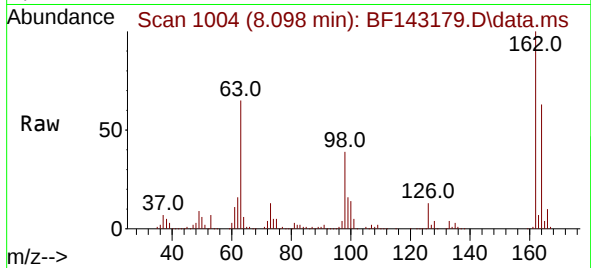
#29
2,4-Dichlorophenol
Concen: 45.667 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



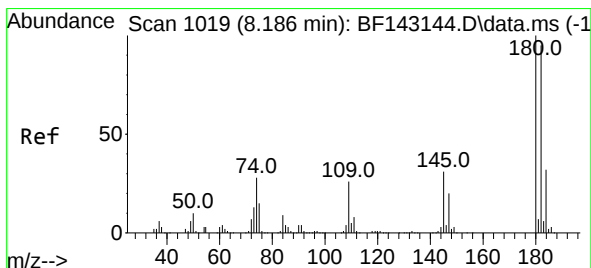
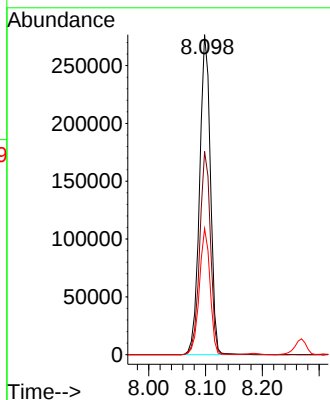
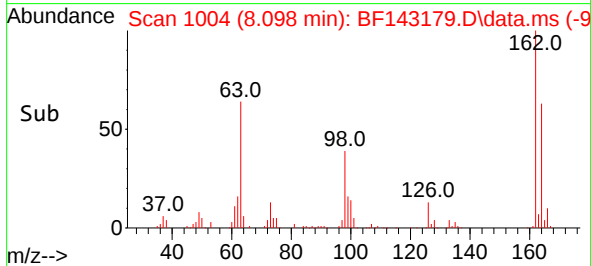
Tgt Ion:162 Resp: 367314
Ion Ratio Lower Upper
162 100
164 63.5 44.2 84.2
98 39.4 17.9 57.9

Manual Integrations

APPROVED

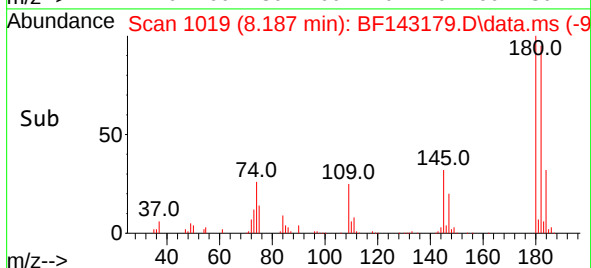
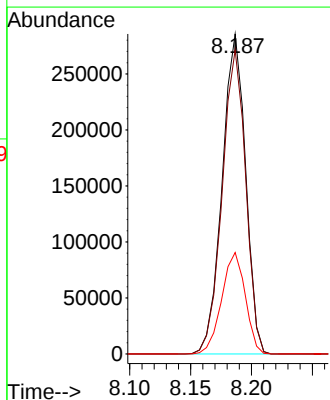
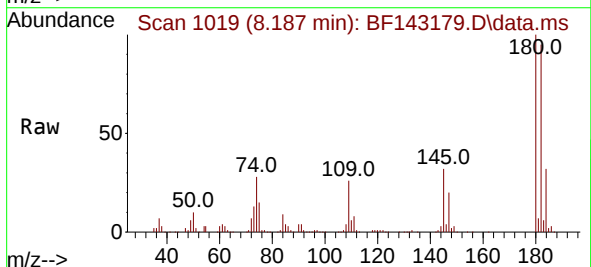
Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#30
1,2,4-Trichlorobenzene
Concen: 44.032 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:180 Resp: 382623
Ion Ratio Lower Upper
180 100
182 95.0 76.2 114.2
145 31.7 25.0 37.6





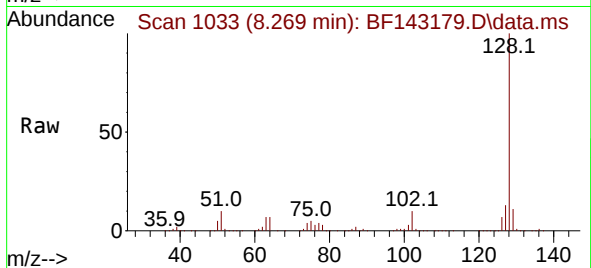
#31
Naphthalene
Concen: 44.183 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



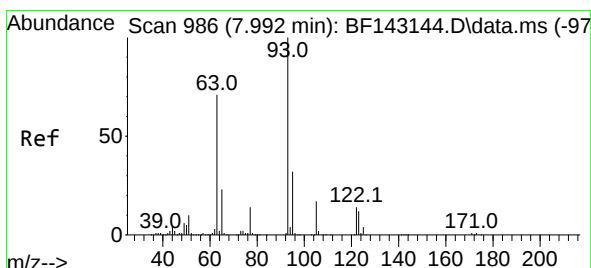
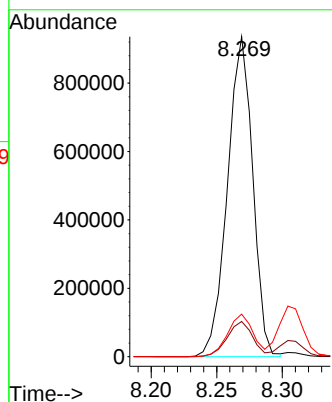
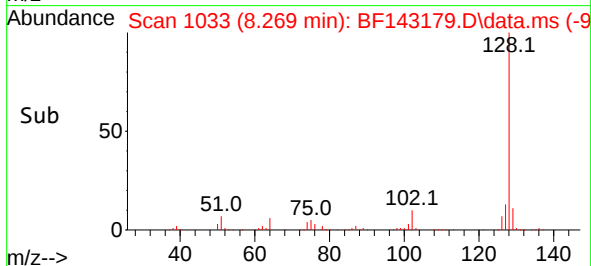
Tgt Ion:128 Resp: 1254290
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.3 10.6 16.0

Manual Integrations

APPROVED

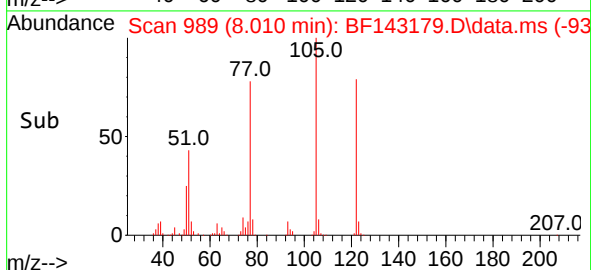
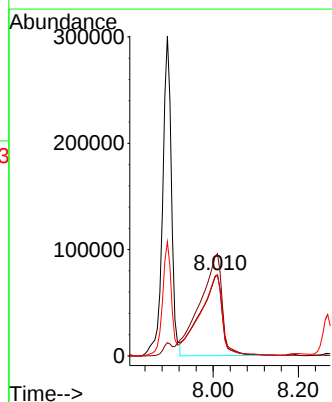
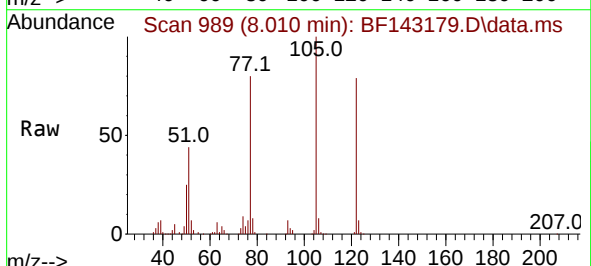
Reviewed By :Rahul Chavli 07/23/2025

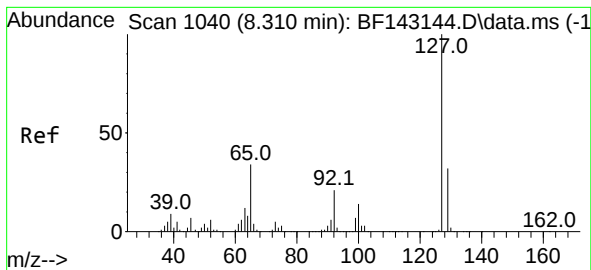
Supervised By :Jagrut Upadhyay 07/23/2025



#32
Benzoic acid
Concen: 50.943 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:122 Resp: 275604
Ion Ratio Lower Upper
122 100
105 126.3 104.8 144.8
77 100.5 77.6 117.6





#33
4-Chloroaniline
Concen: 16.978 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

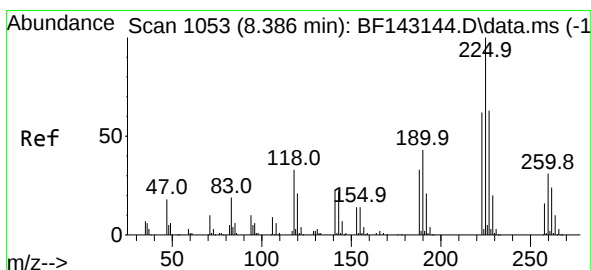
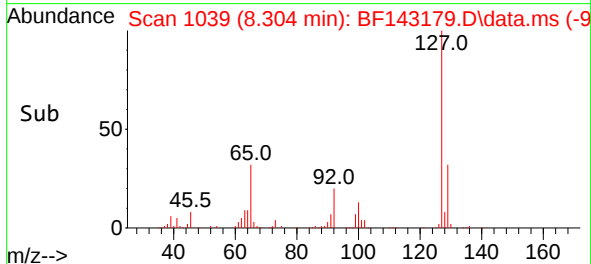
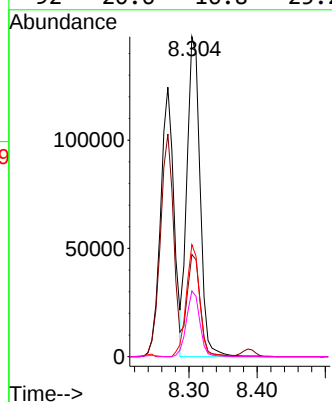
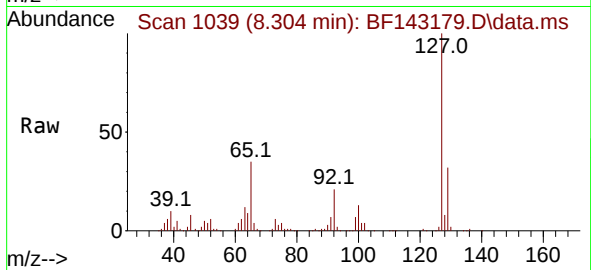
Tgt Ion:127 Resp: 196800
Ion Ratio Lower Upper
127 100
129 32.0 26.0 39.0
65 35.0 27.4 41.2
92 20.6 16.8 25.2

Manual Integrations

APPROVED

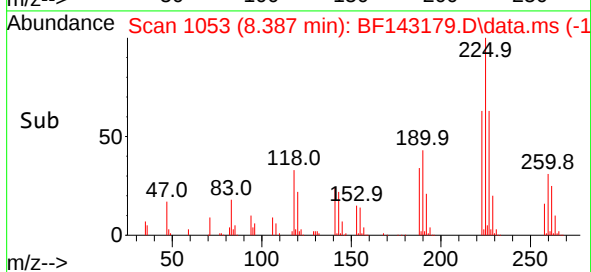
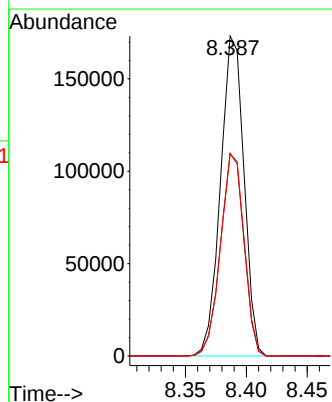
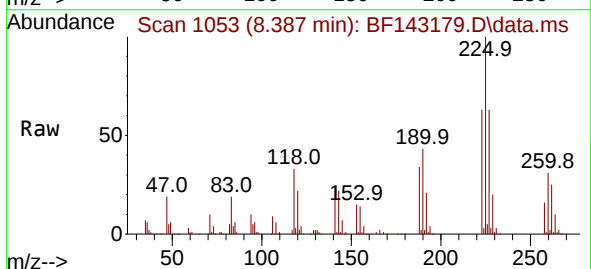
Reviewed By :Rahul Chavli 07/23/2025

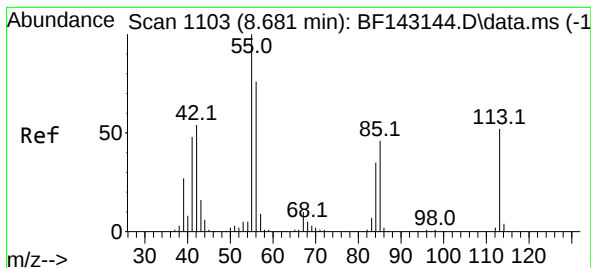
Supervised By :Jagrut Upadhyay 07/23/2025



#34
Hexachlorobutadiene
Concen: 43.811 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:225 Resp: 232563
Ion Ratio Lower Upper
225 100
223 63.3 49.8 74.6
227 63.2 50.2 75.4





#35

Caprolactam

Concen: 53.398 ng m

RT: 8.681 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

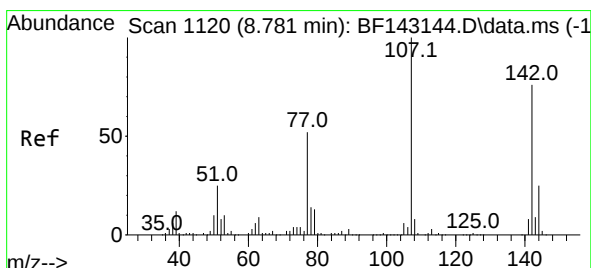
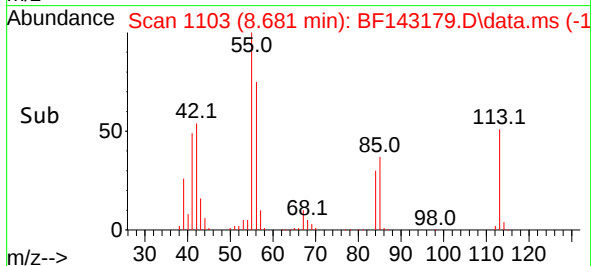
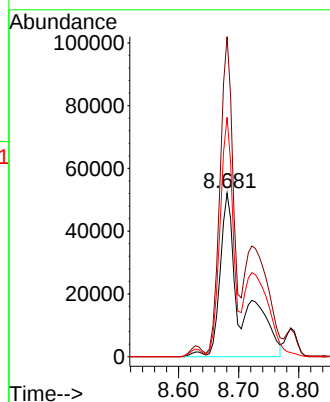
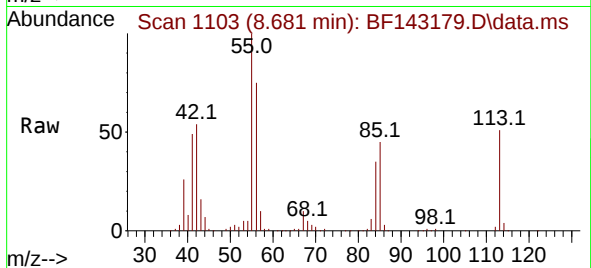
Tgt Ion:113 Resp: 129780
 Ion Ratio Lower Upper
 113 100
 55 195.7 174.0 214.0
 56 146.4 126.6 166.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#36

4-Chloro-3-methylphenol

Concen: 47.346 ng

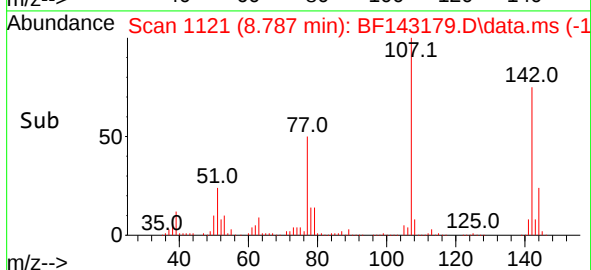
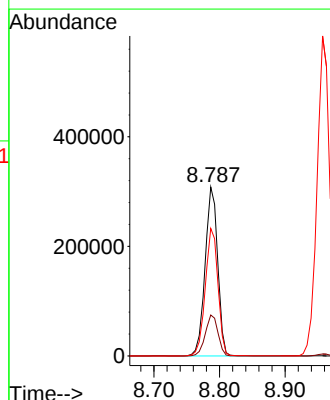
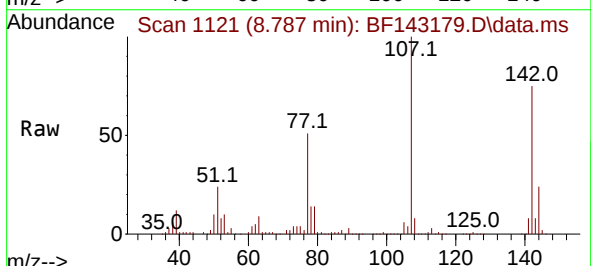
RT: 8.787 min Scan# 1121

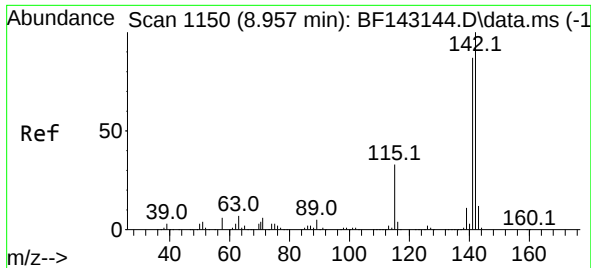
Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

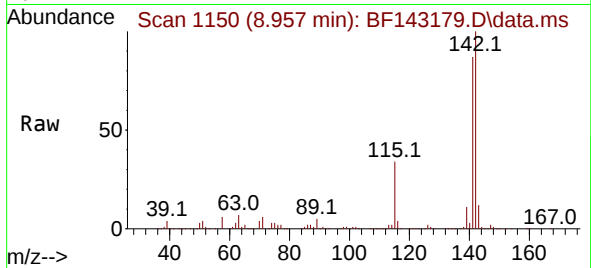
Tgt Ion:107 Resp: 413921
 Ion Ratio Lower Upper
 107 100
 144 24.3 19.8 29.6
 142 75.5 60.6 90.8





#37
2-Methylnaphthalene
Concen: 44.775 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

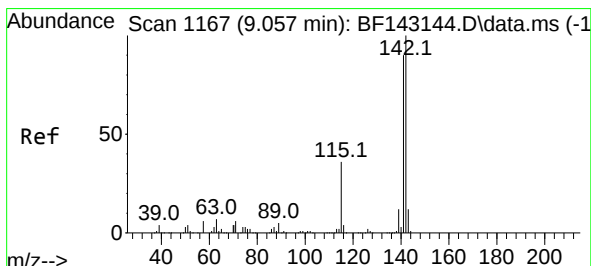
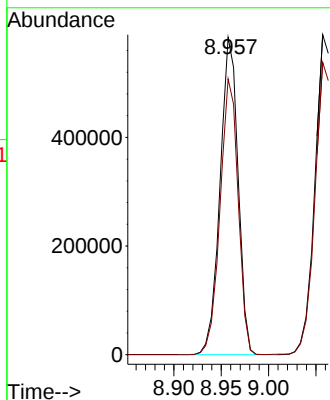
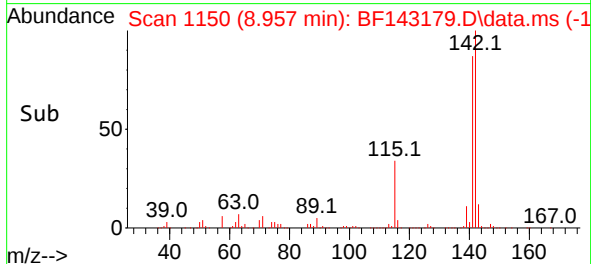
Instrument :
BNA_F
ClientSampleId :
PB168813BS



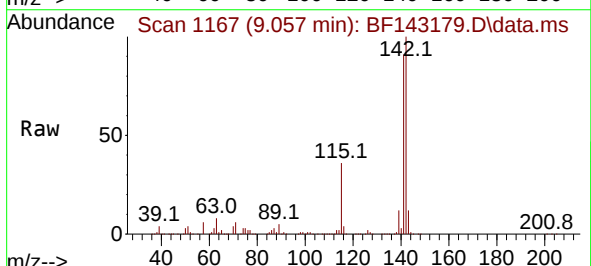
Tgt Ion:142 Resp: 773479
Ion Ratio Lower Upper
142 100
141 87.0 69.9 104.9

Manual Integrations
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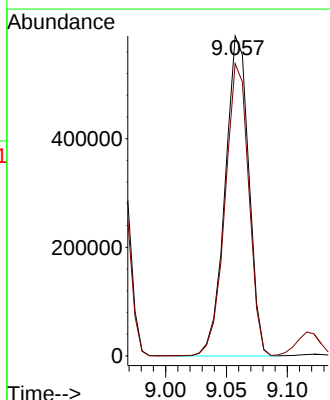
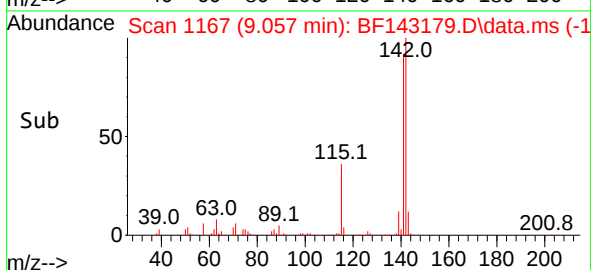
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#38
1-Methylnaphthalene
Concen: 44.722 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



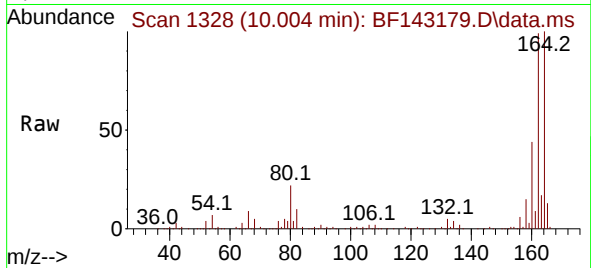
Tgt Ion:142 Resp: 795535
Ion Ratio Lower Upper
142 100
141 91.4 72.3 108.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

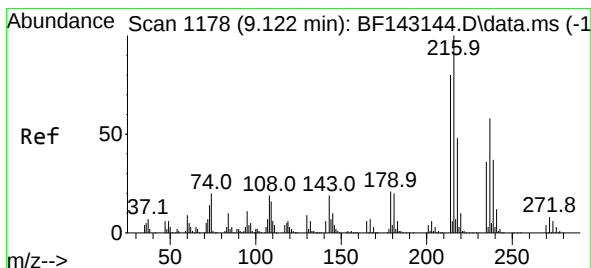
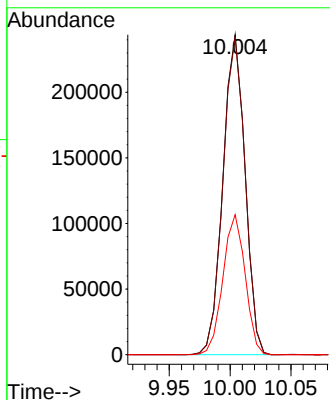
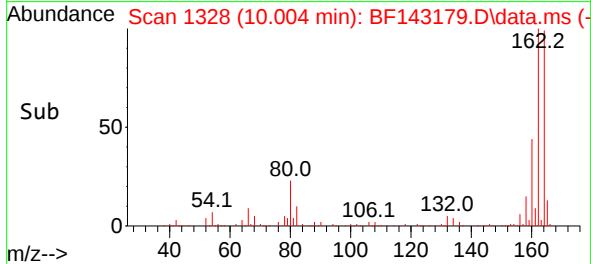
Instrument :
BNA_F
ClientSampleId :
PB168813BS



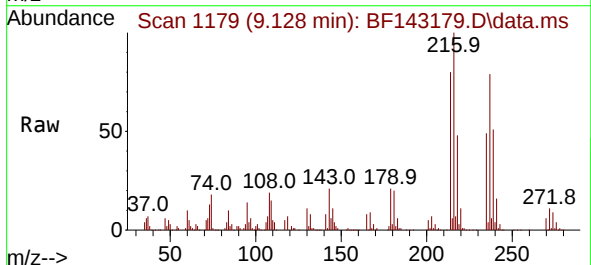
Tgt Ion:164 Resp: 30830
Ion Ratio Lower Upper
164 100
162 99.2 79.0 118.6
160 43.8 35.1 52.7

Manual Integrations
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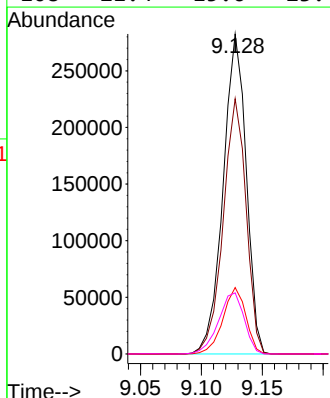
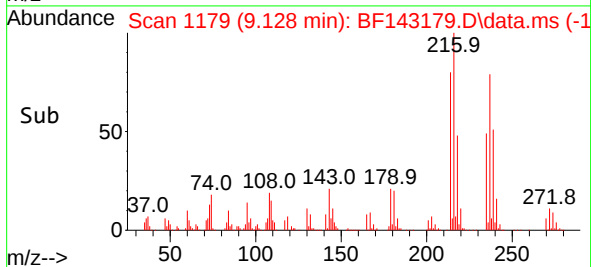
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.800 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:216 Resp: 372068
Ion Ratio Lower Upper
216 100
214 79.1 63.8 95.8
179 20.6 16.4 24.6
108 21.4 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 87.703 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

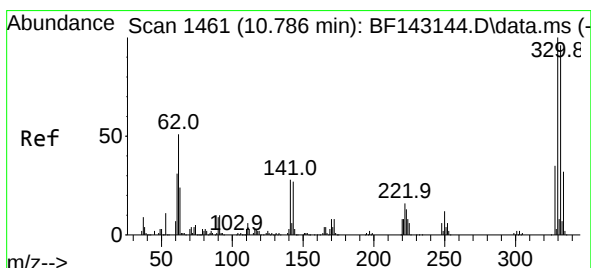
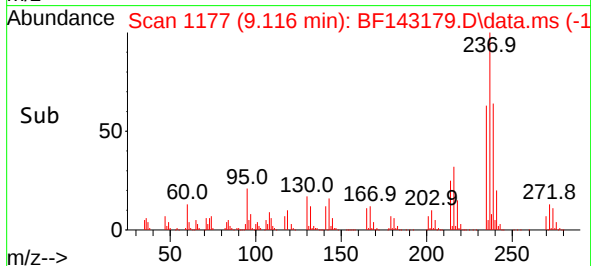
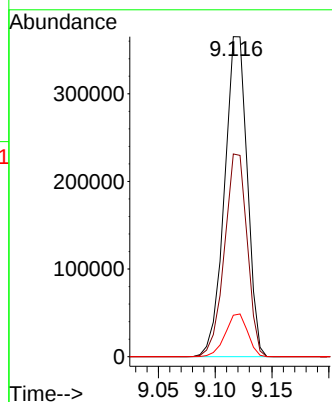
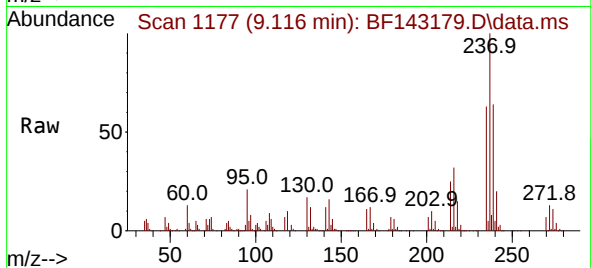
PB168813BS

Tgt Ion:237 Resp: 50794
Ion Ratio Lower Upper
237 100
235 63.4 43.0 83.0
272 13.0 0.0 33.3

Manual Integrations

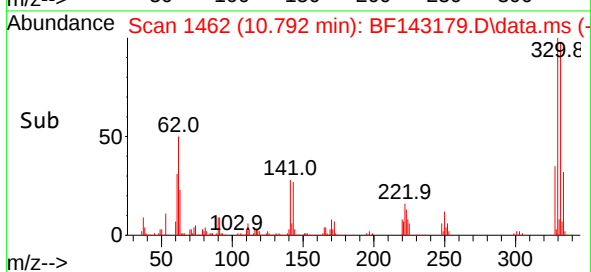
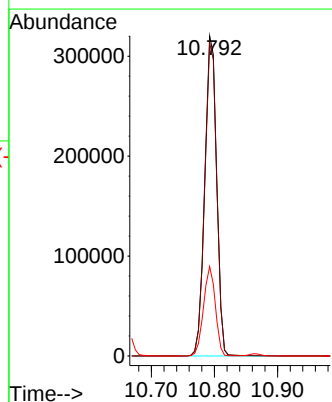
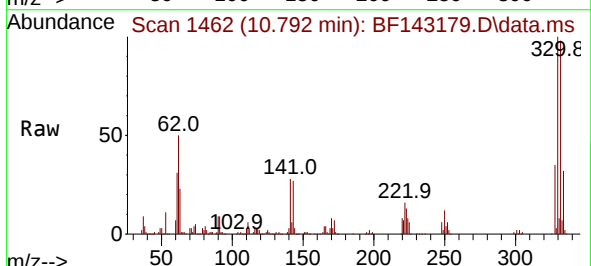
APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#42
2,4,6-Tribromophenol
Concen: 131.675 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:330 Resp: 419377
Ion Ratio Lower Upper
330 100
332 98.1 76.7 115.1
141 27.7 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 44.464 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:196 Resp: 273909

Ion Ratio Lower Upper

196 100

198 95.3 76.2 114.2

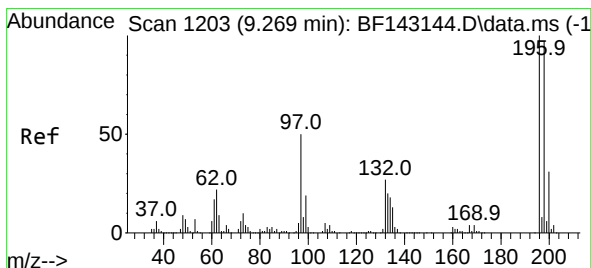
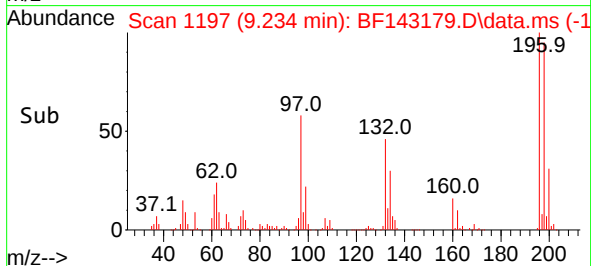
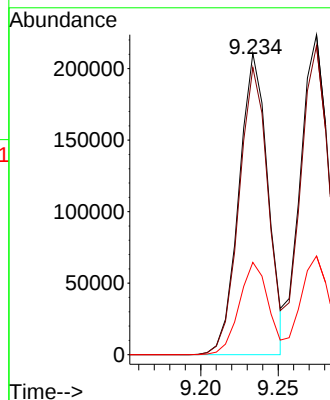
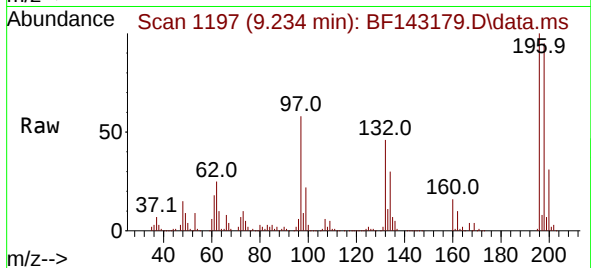
200 30.7 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#44

2,4,5-Trichlorophenol

Concen: 46.193 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:196 Resp: 284651

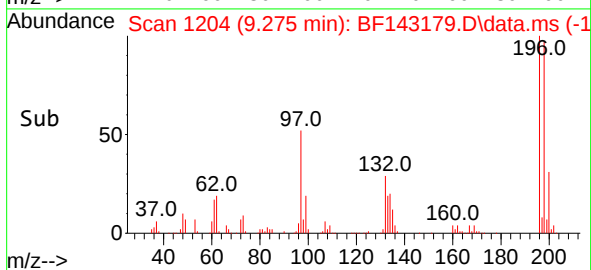
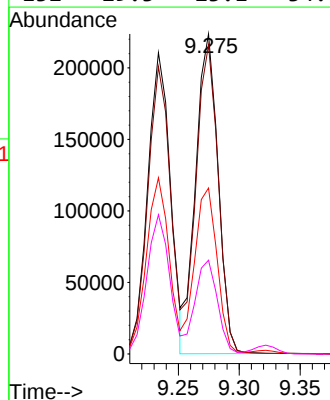
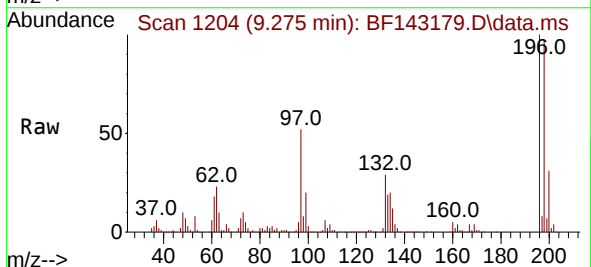
Ion Ratio Lower Upper

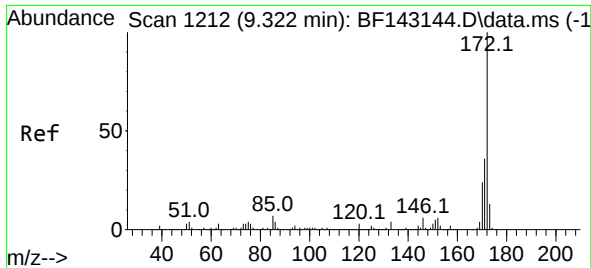
196 100

198 96.6 77.3 115.9

97 51.8 40.3 60.5

132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.110 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:172 Resp: 167065

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

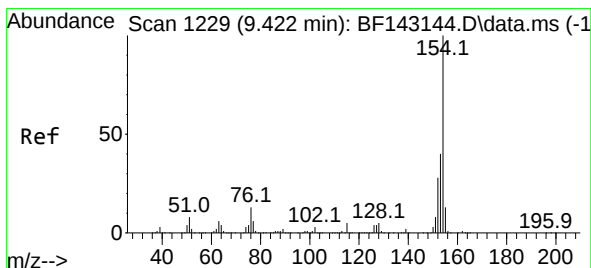
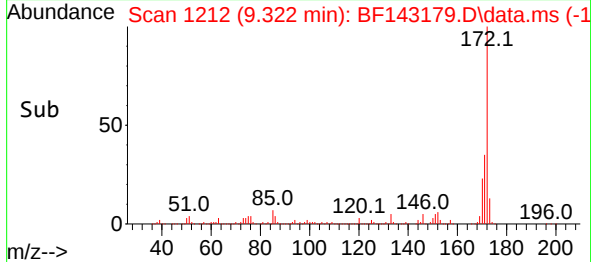
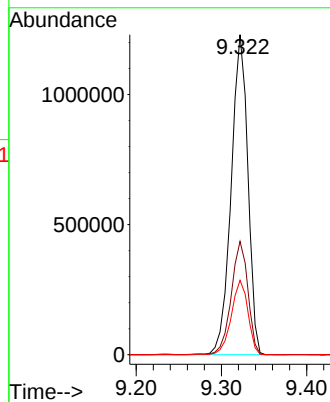
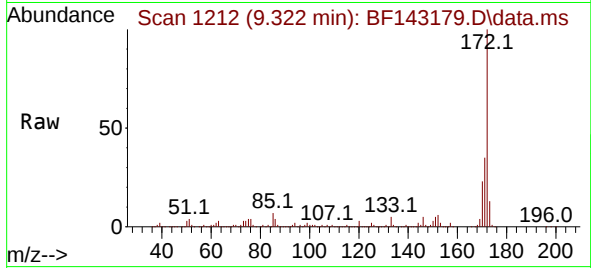
170 23.3 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#46

1,1'-Biphenyl

Concen: 43.521 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

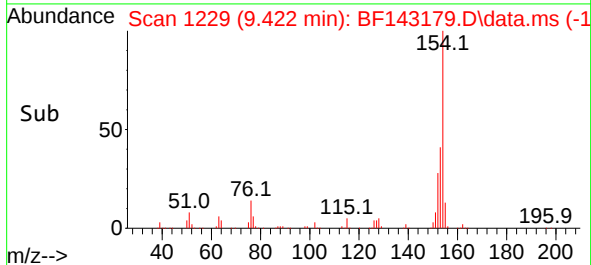
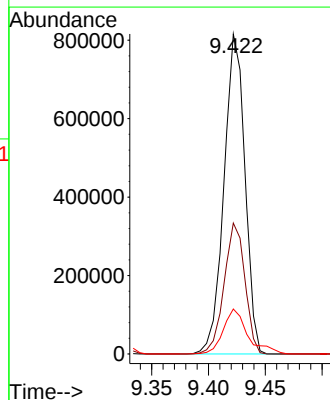
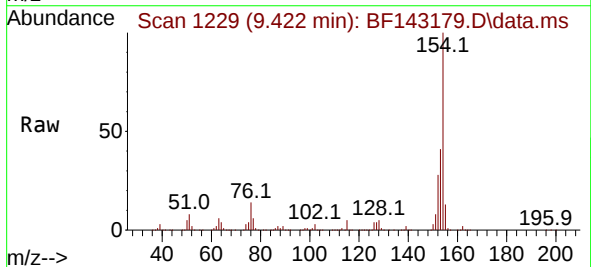
Tgt Ion:154 Resp: 1046849

Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

76 14.0 0.0 33.3





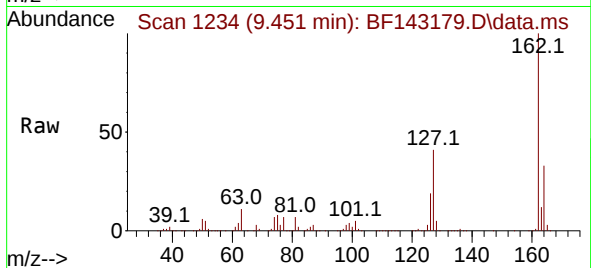
#47
2-Chloronaphthalene
Concen: 43.035 ng
RT: 9.451 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



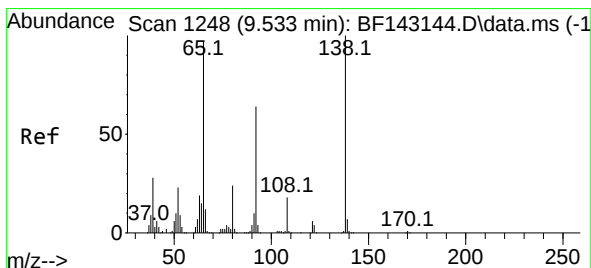
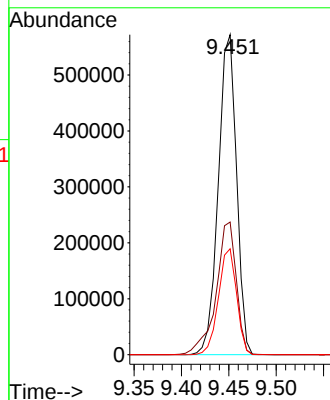
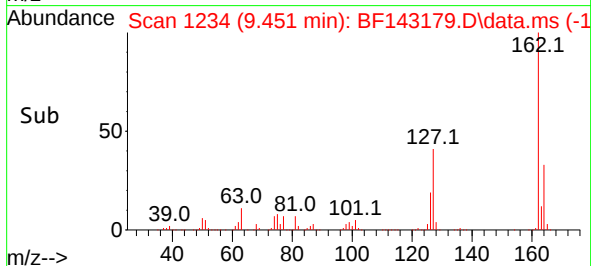
Tgt Ion:162 Resp: 76593
Ion Ratio Lower Upper
162 100
127 41.5 33.4 50.2
164 33.1 26.2 39.2

Manual Integrations

APPROVED

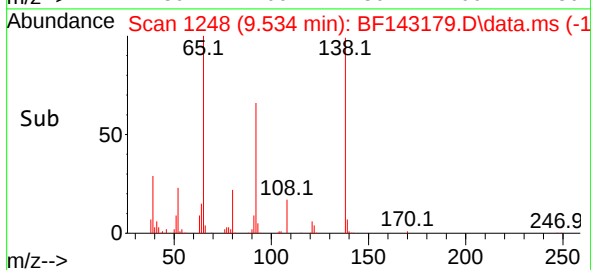
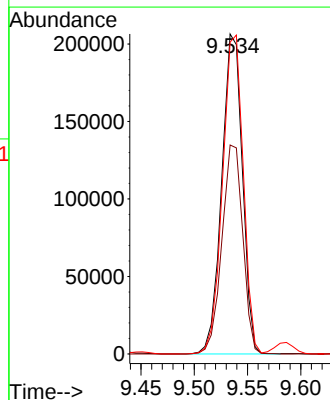
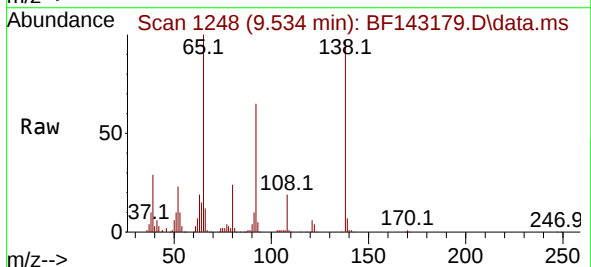
Reviewed By :Rahul Chavli 07/23/2025

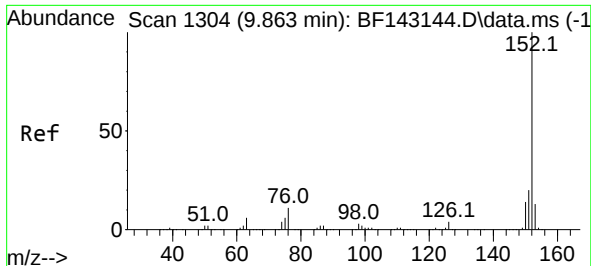
Supervised By :Jagrut Upadhyay 07/23/2025



#48
2-Nitroaniline
Concen: 49.756 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

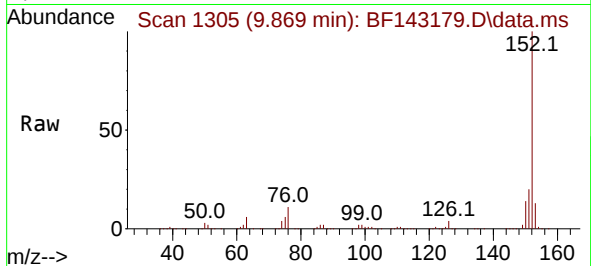
Tgt Ion: 65 Resp: 277706
Ion Ratio Lower Upper
65 100
92 65.3 52.4 78.6
138 97.4 82.3 123.5





#49
Acenaphthylene
Concen: 43.980 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

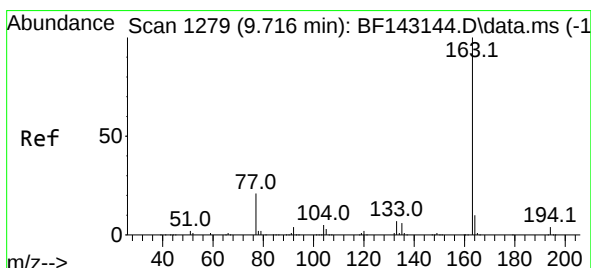
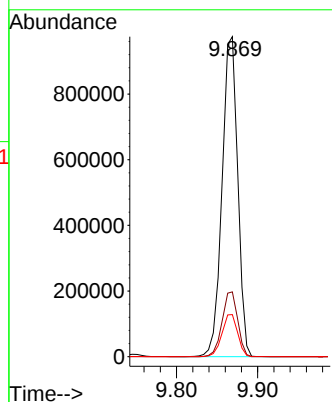
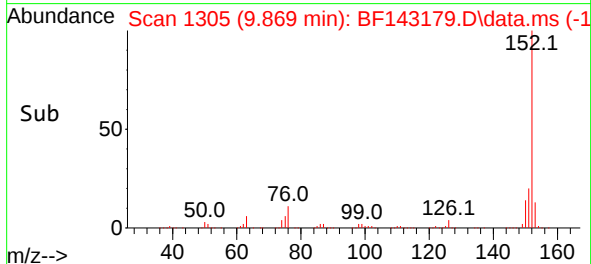
Instrument :
BNA_F
ClientSampleId :
PB168813BS



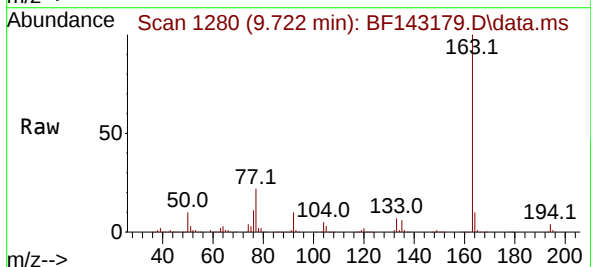
Tgt Ion:152 Resp: 131178
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.2 10.6 16.0

Manual Integrations
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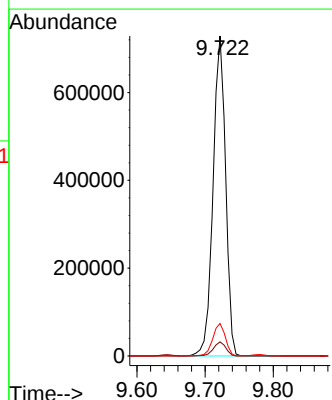
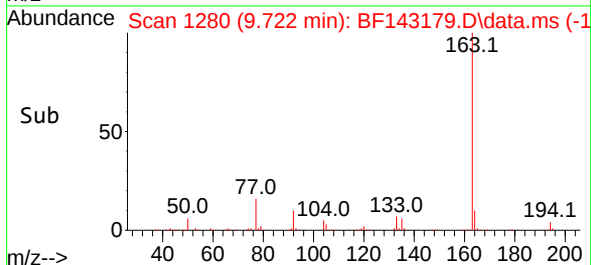
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

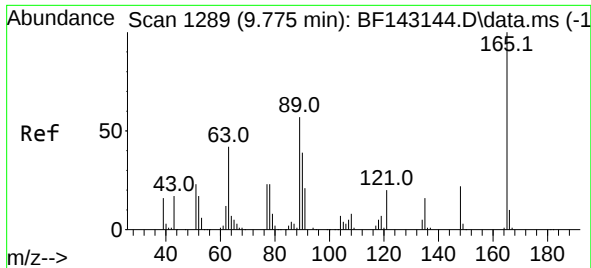


#50
Dimethylphthalate
Concen: 46.478 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:163 Resp: 934025
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 50.140 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

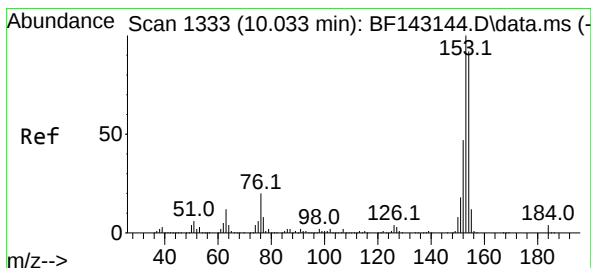
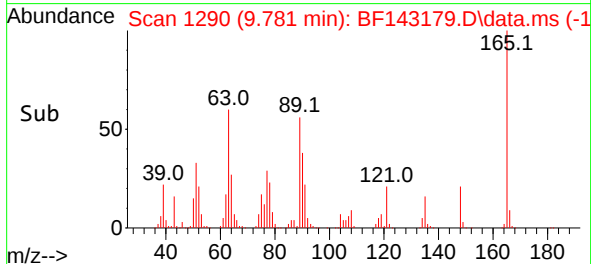
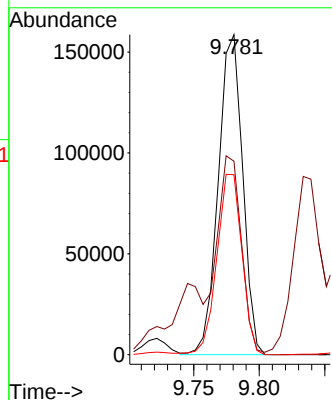
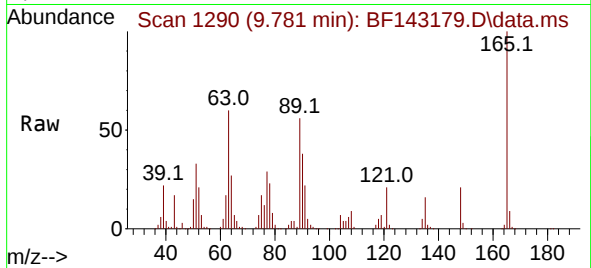
Tgt Ion:165 Resp: 204978
Ion Ratio Lower Upper
165 100
63 60.5 49.4 74.2
89 56.3 46.2 69.2

Manual Integrations

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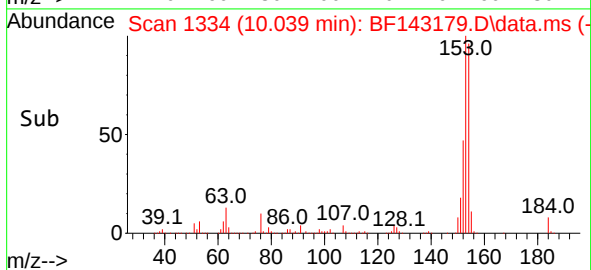
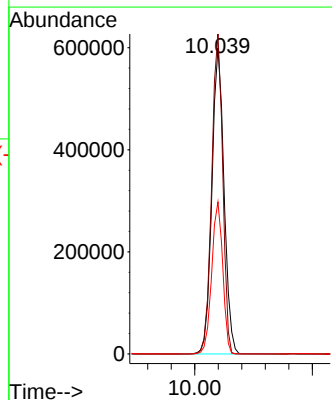
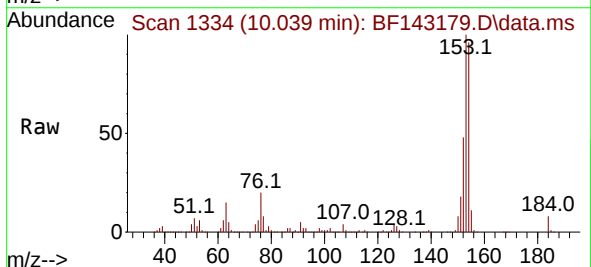
Reviewed By :Rahul Chavli 07/23/2025

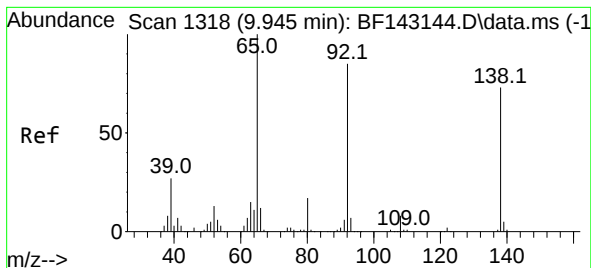
Supervised By :Jagrut Upadhyay 07/23/2025



#52
Acenaphthene
Concen: 48.681 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:154 Resp: 858201
Ion Ratio Lower Upper
154 100
153 104.6 86.6 129.8
152 49.7 40.4 60.6





#53

3-Nitroaniline

Concen: 32.928 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:138 Resp: 15745

Ion Ratio Lower Upper

138 100

108 11.1 9.0 13.6

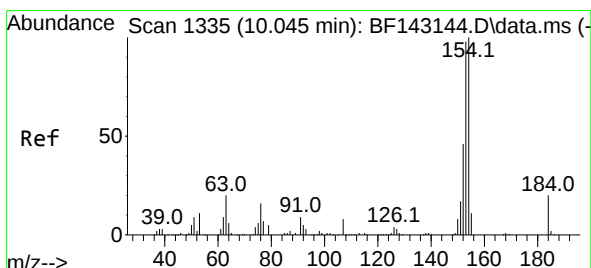
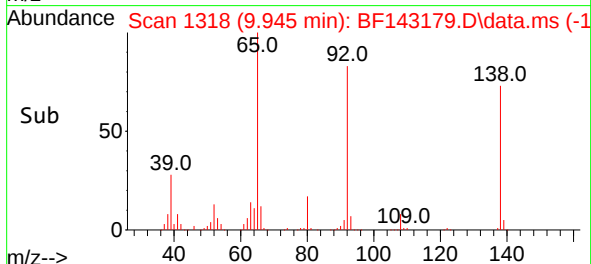
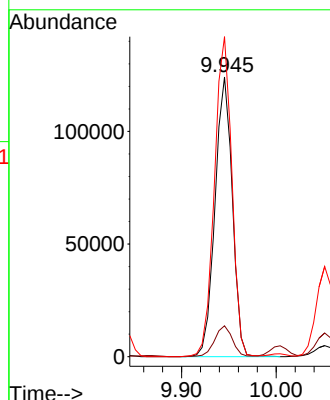
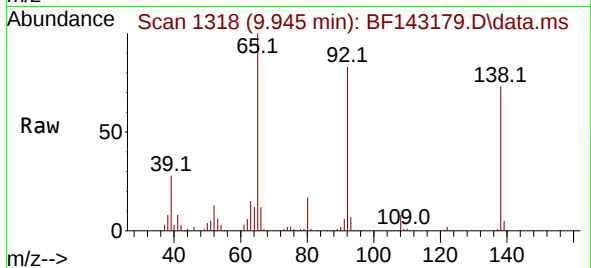
92 114.4 93.0 139.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#54

2,4-Dinitrophenol

Concen: 107.647 ng

RT: 10.051 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

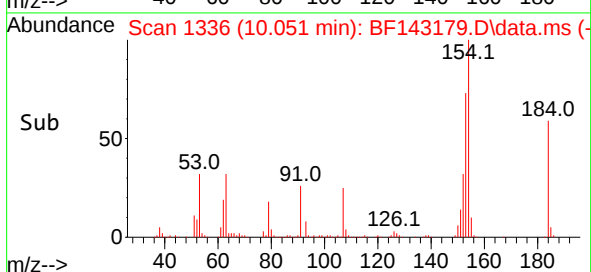
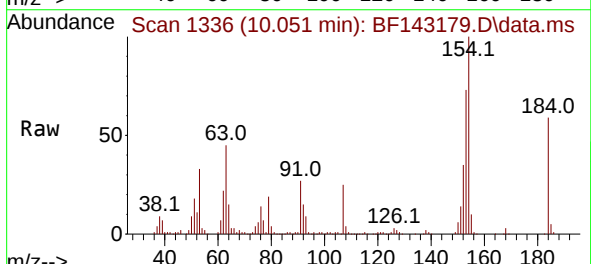
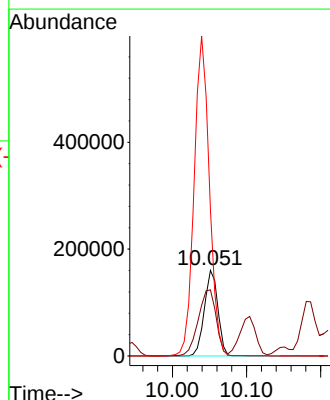
Tgt Ion:184 Resp: 204107

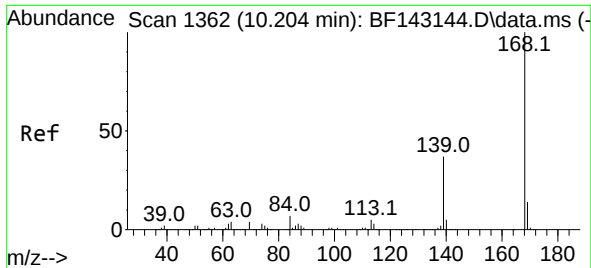
Ion Ratio Lower Upper

184 100

63 77.2 81.8 122.6#

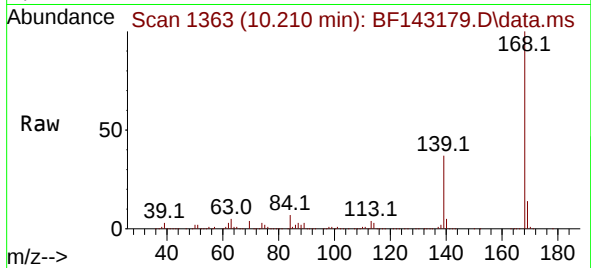
154 170.9 412.2 618.4#





#55
Dibenzenofuran
Concen: 44.122 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

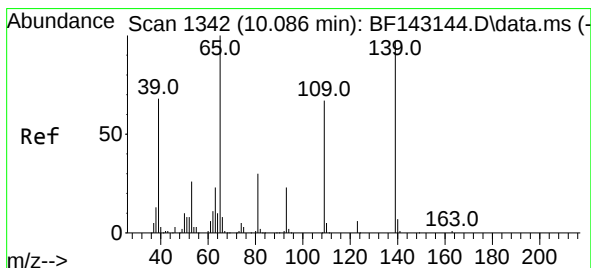
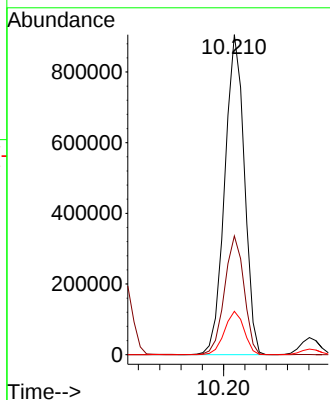
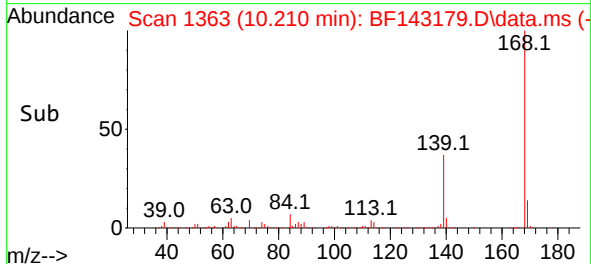
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:168 Resp: 1154840
Ion Ratio Lower Upper
168 100
139 37.1 29.5 44.3
169 13.6 10.9 16.3

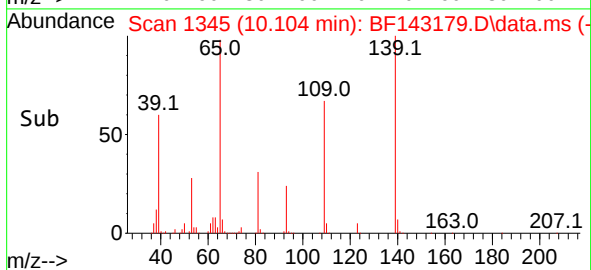
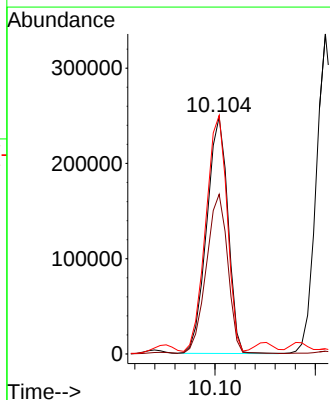
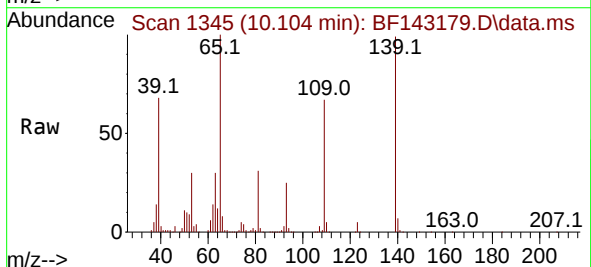
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#56
4-Nitrophenol
Concen: 102.167 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

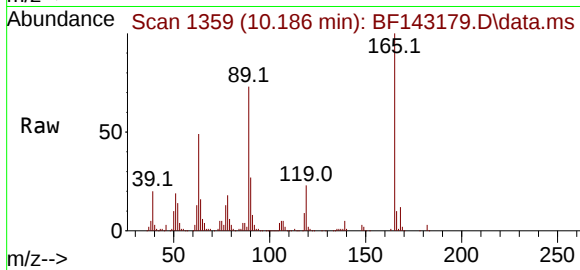
Tgt Ion:139 Resp: 364810
Ion Ratio Lower Upper
139 100
109 67.4 48.5 88.5
65 100.6 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 53.412 ng
RT: 10.186 min Scan# 1359
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

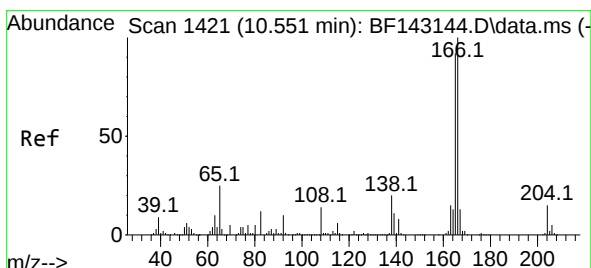
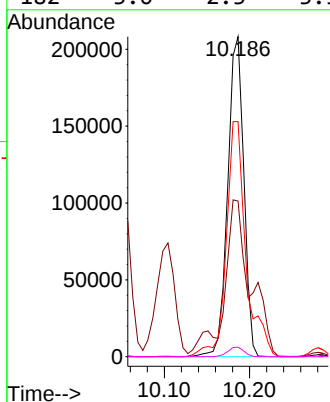
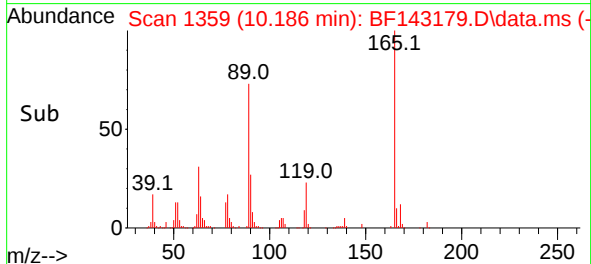
Instrument :
BNA_F
ClientSampleId :
PB168813BS



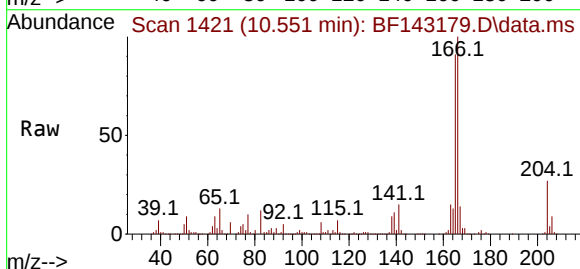
Tgt Ion:165 Resp: 273950
Ion Ratio Lower Upper
165 100
63 48.7 41.0 61.4
89 73.4 61.1 91.7
182 3.0 2.3 3.5

Manual Integrations
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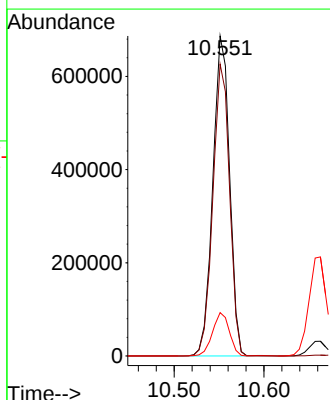
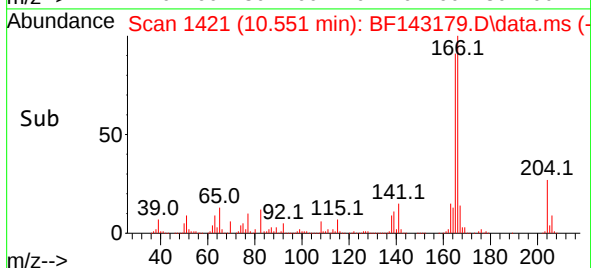
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#58
Fluorene
Concen: 45.279 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



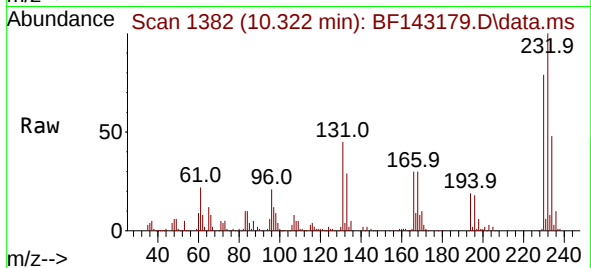
Tgt Ion:166 Resp: 889443
Ion Ratio Lower Upper
166 100
165 91.2 73.7 110.5
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.390 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

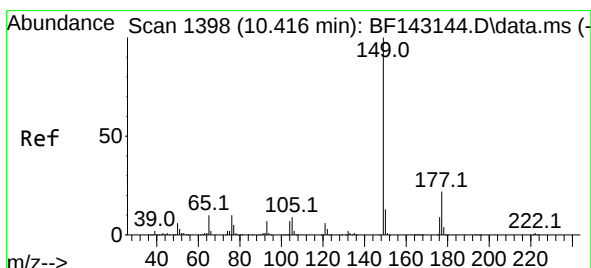
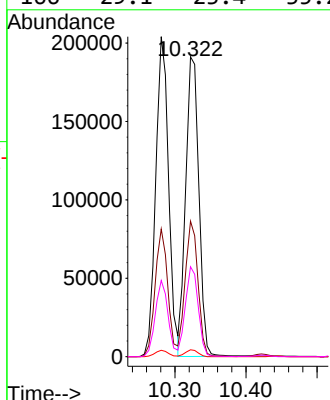
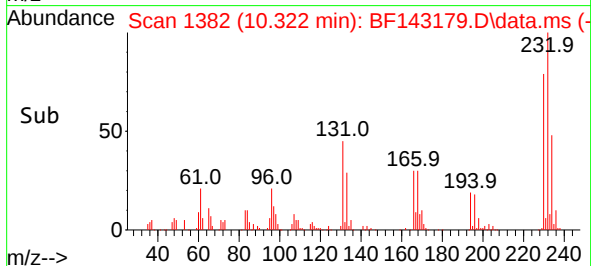
Instrument :
BNA_F
ClientSampleId :
PB168813BS



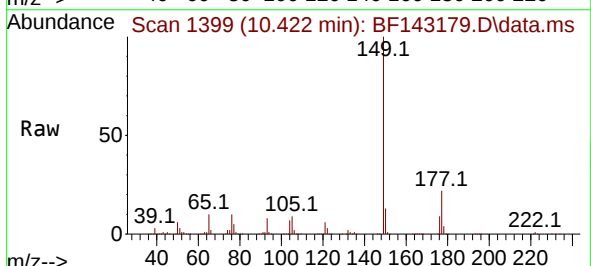
Tgt Ion:232 Resp: 247000
Ion Ratio Lower Upper
232 100
131 43.6 35.3 52.9
130 2.2 1.7 2.5
166 29.1 23.4 35.2

Manual Integrations
APPROVED

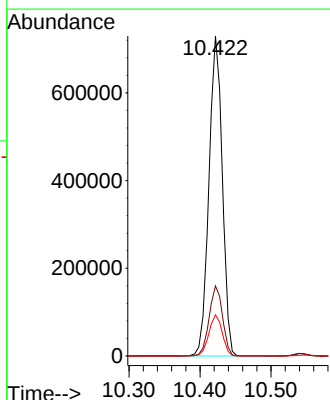
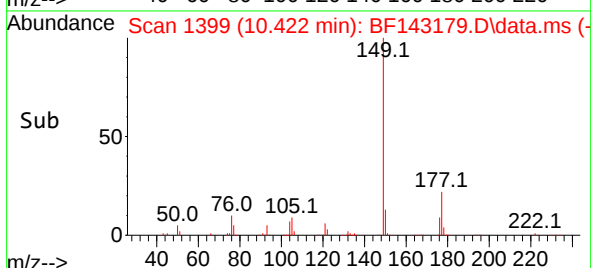
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

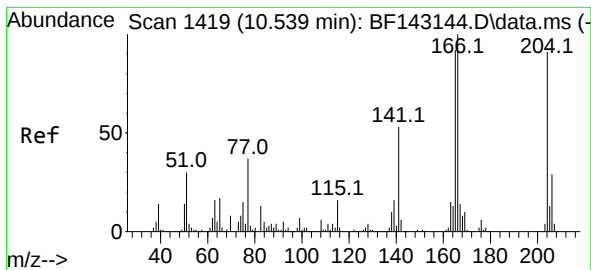


#60
Diethylphthalate
Concen: 48.030 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



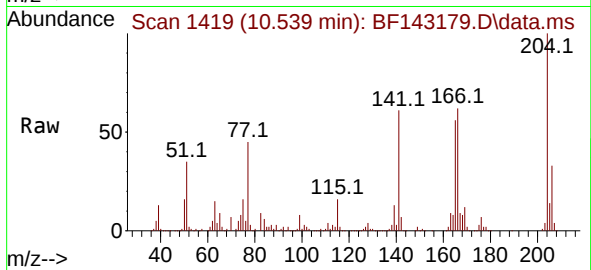
Tgt Ion:149 Resp: 954021
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.9 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 44.778 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

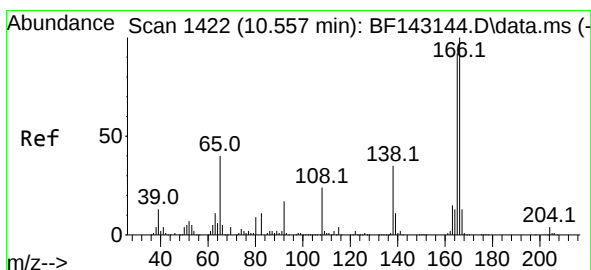
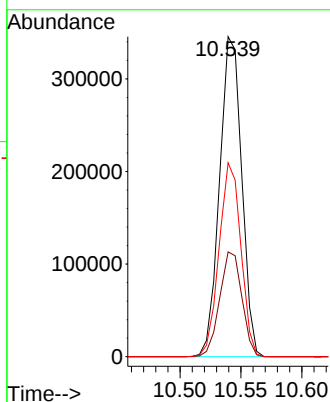
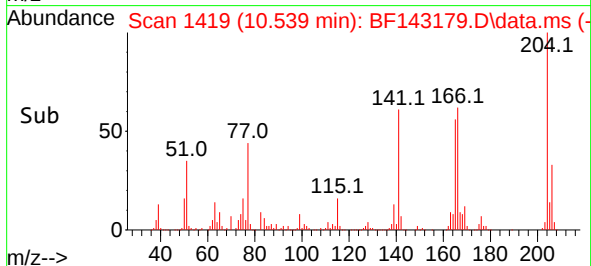
Instrument :
BNA_F
ClientSampleId :
PB168813BS



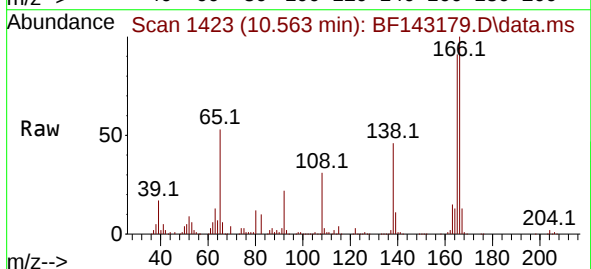
Tgt Ion:204 Resp: 43799
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 60.6 47.0 70.4

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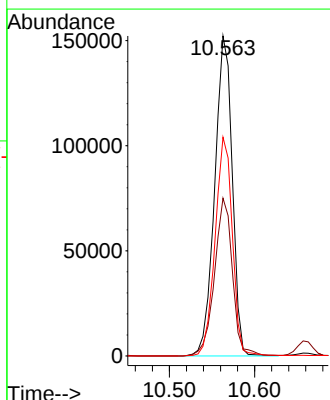
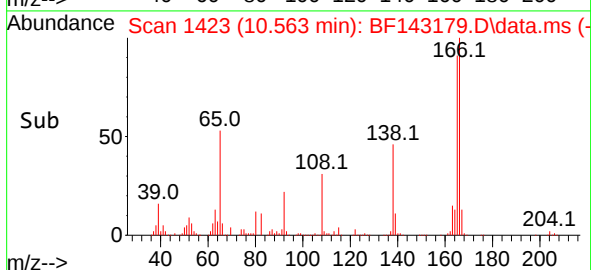
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

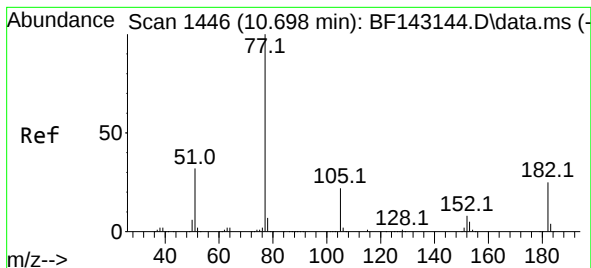


#62
4-Nitroaniline
Concen: 53.103 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:138 Resp: 217627
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 68.4 48.3 88.3





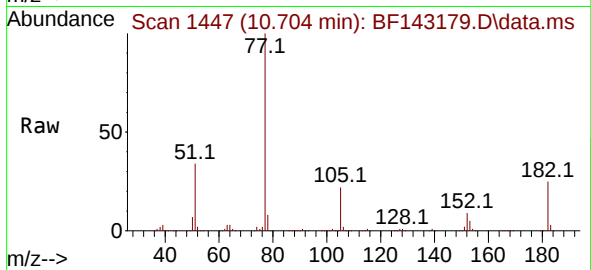
#63
Azobenzene
Concen: 46.773 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS



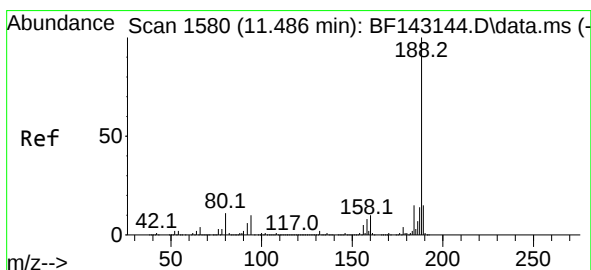
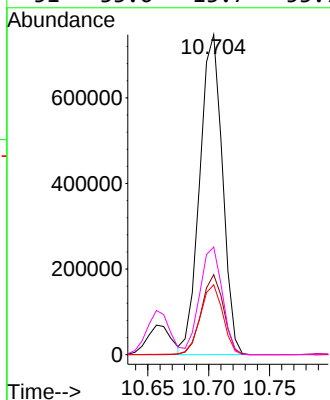
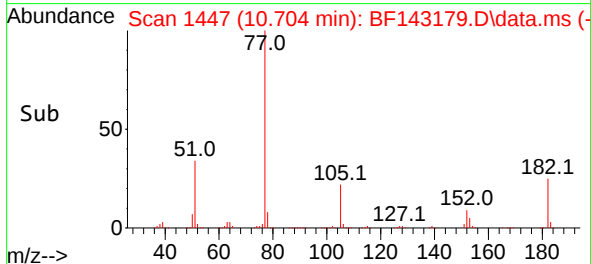
Tgt Ion: 77 Resp: 96828
Ion Ratio Lower Upper
77 100
182 25.0 4.6 44.6
105 21.8 1.4 41.4
51 33.6 13.7 53.7

Manual Integrations

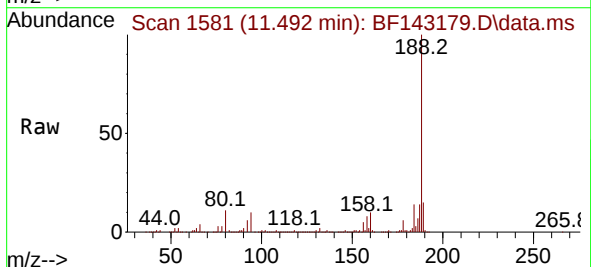
APPROVED

Reviewed By :Rahul Chavli 07/23/2025

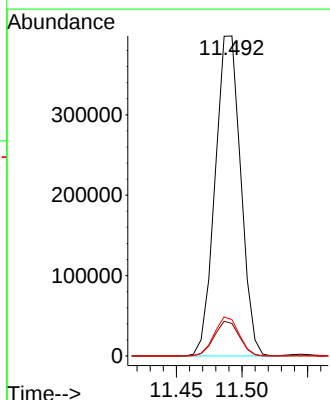
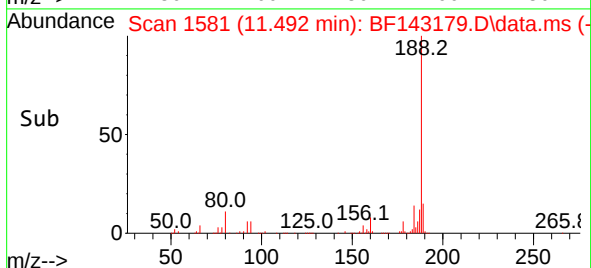
Supervised By :Jagrut Upadhyay 07/23/2025

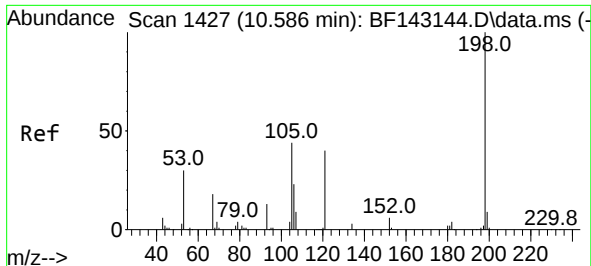


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:188 Resp: 540032
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 11.3 9.0 13.6





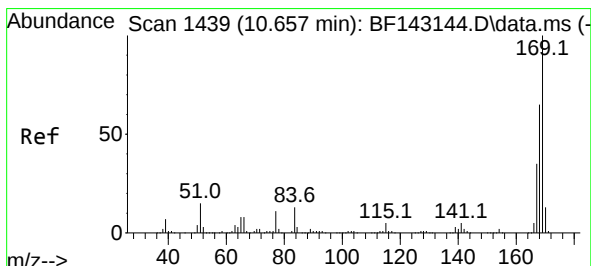
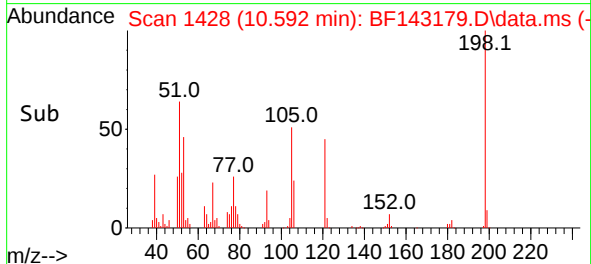
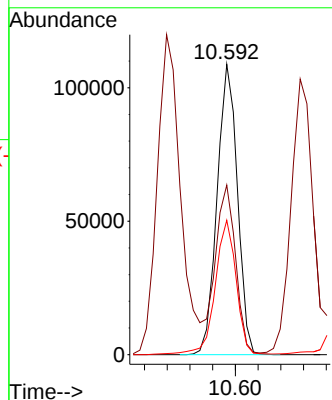
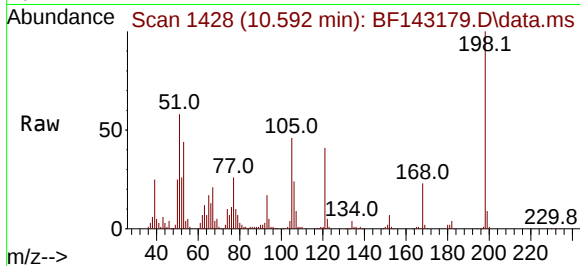
#65
4,6-Dinitro-2-methylphenol
Concen: 47.684 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:198 Resp: 134879
Ion Ratio Lower Upper
198 100
51 58.4 37.2 77.2
105 46.3 24.8 64.8

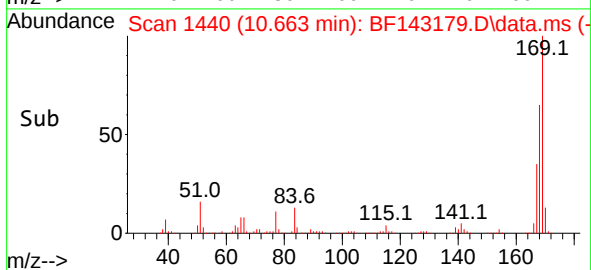
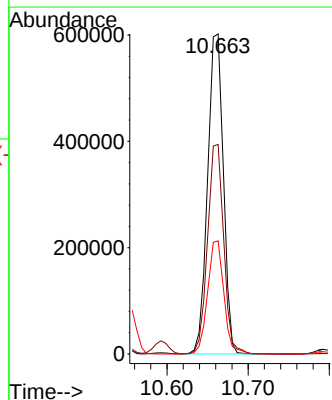
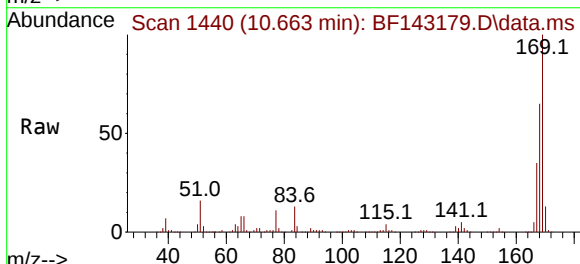
Manual Integrations
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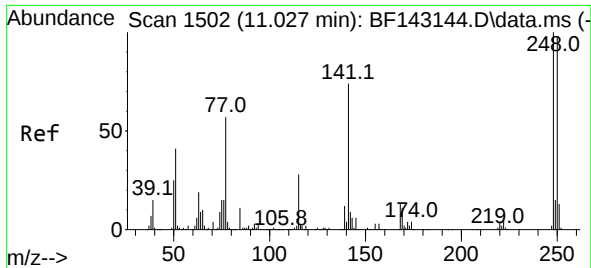
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#66
n-Nitrosodiphenylamine
Concen: 42.574 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:169 Resp: 809593
Ion Ratio Lower Upper
169 100
168 65.4 52.1 78.1
167 35.3 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 43.267 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

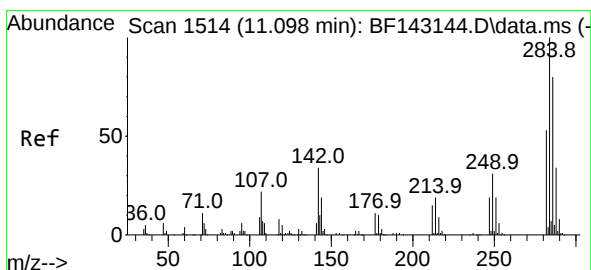
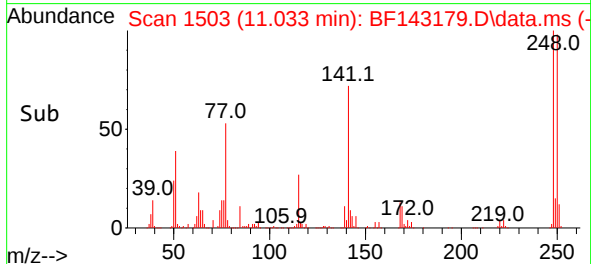
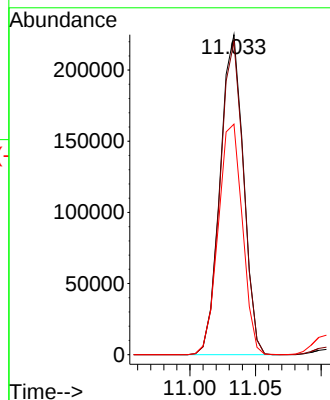
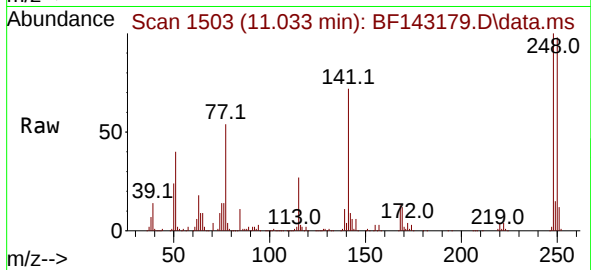
Tgt Ion:248 Resp: 27845
Ion Ratio Lower Upper
248 100
250 97.8 78.3 117.5
141 72.1 59.2 88.8

Manual Integrations

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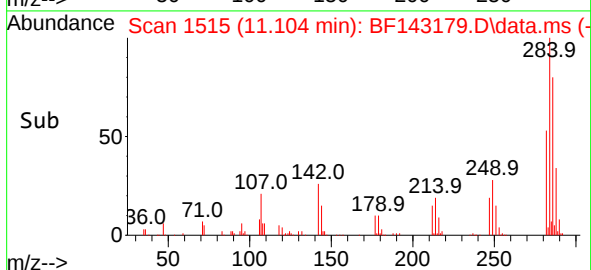
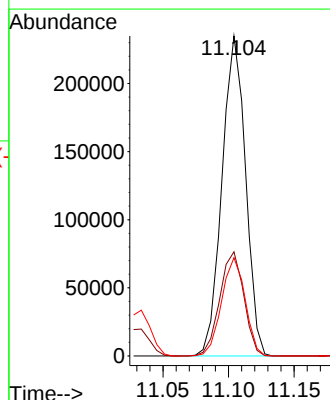
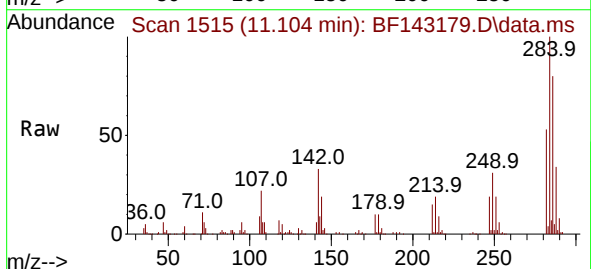
Reviewed By :Rahul Chavli 07/23/2025

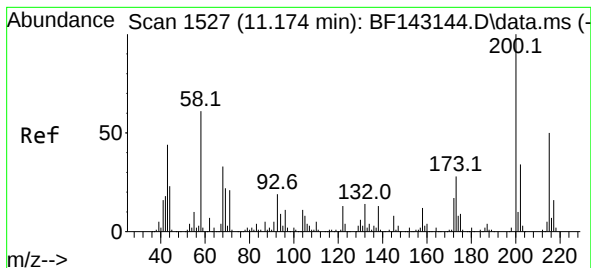
Supervised By :Jagrut Upadhyay 07/23/2025



#68
Hexachlorobenzene
Concen: 43.557 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:284 Resp: 292998
Ion Ratio Lower Upper
284 100
142 32.6 27.0 40.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 49.071 ng

RT: 11.181 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:200 Resp: 257250

Ion Ratio Lower Upper

200 100

173 28.8 7.9 47.9

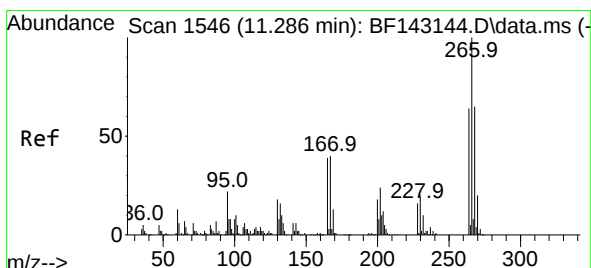
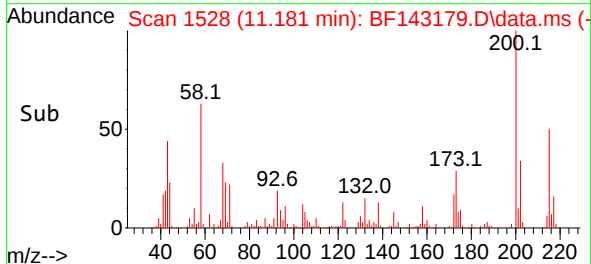
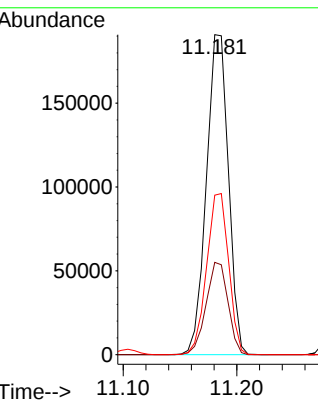
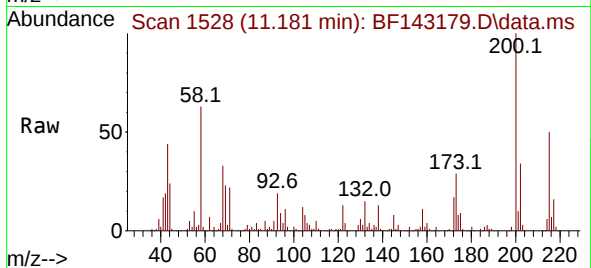
215 49.8 30.1 70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#70

Pentachlorophenol

Concen: 93.487 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

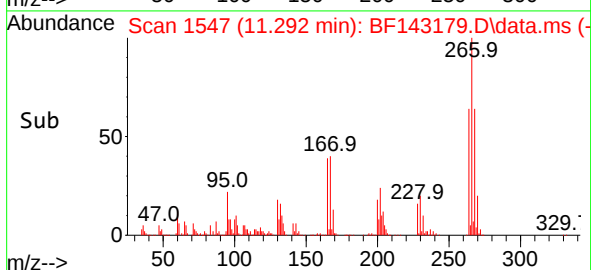
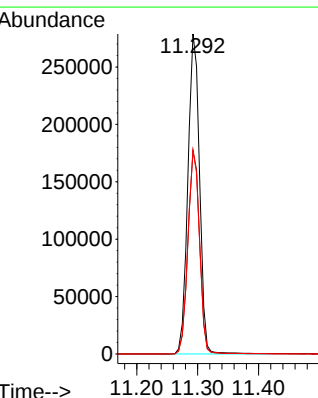
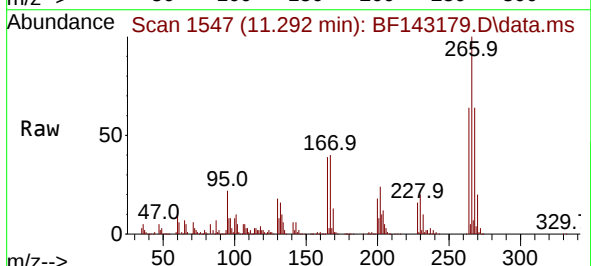
Tgt Ion:266 Resp: 369820

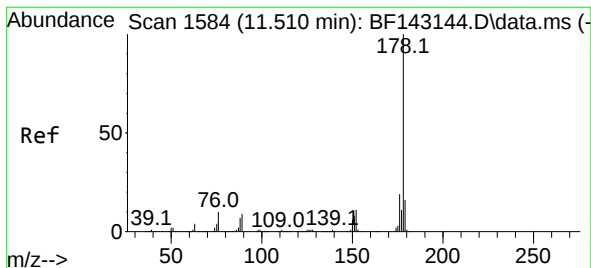
Ion Ratio Lower Upper

266 100

268 63.6 51.9 77.9

264 63.6 51.0 76.6





#71

Phenanthrene

Concen: 43.992 ng

RT: 11.516 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:178 Resp: 1261410

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

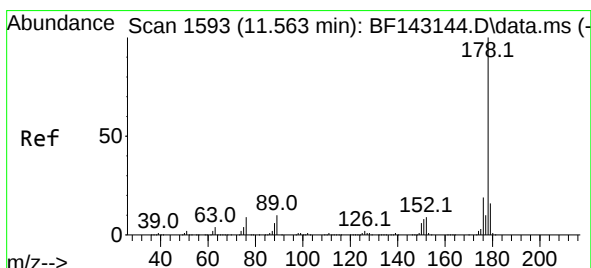
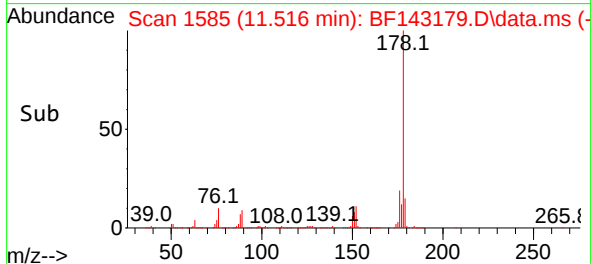
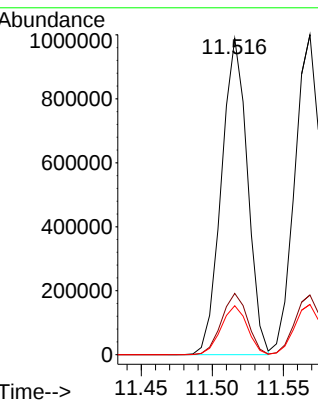
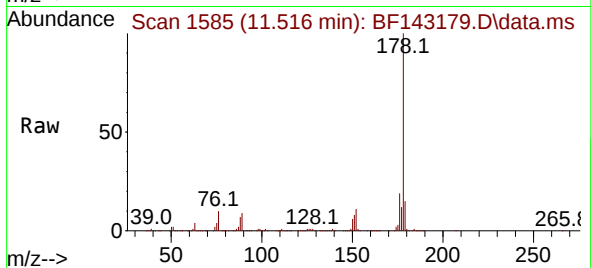
179 15.5 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#72

Anthracene

Concen: 43.585 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

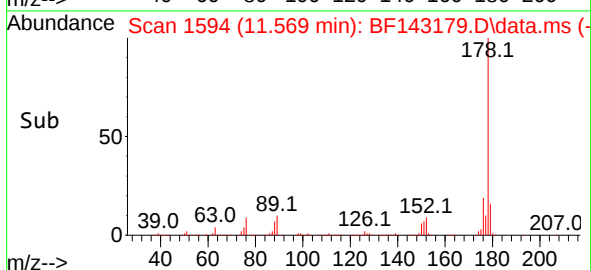
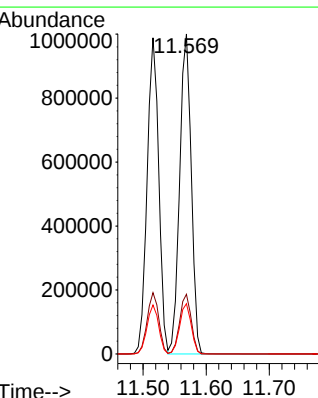
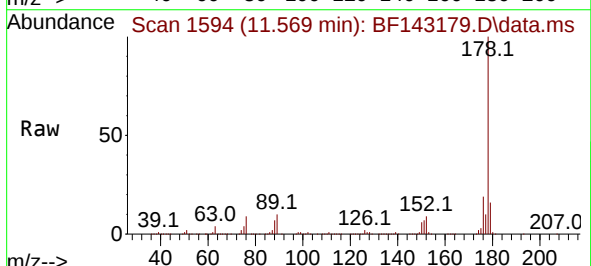
Tgt Ion:178 Resp: 1274603

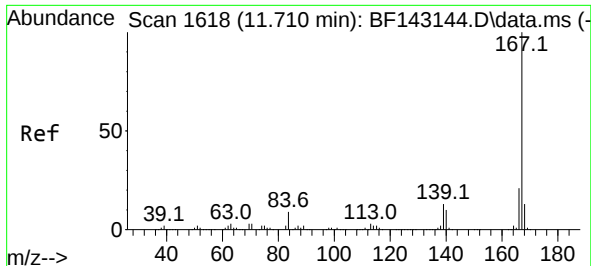
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

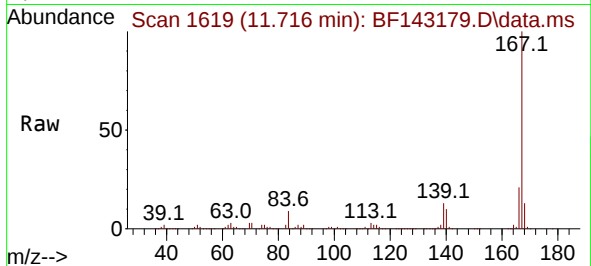
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 45.721 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

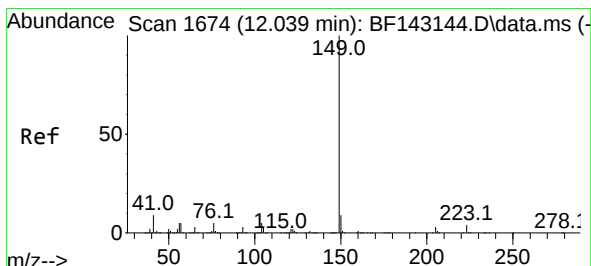
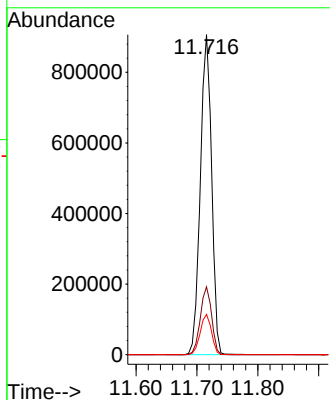
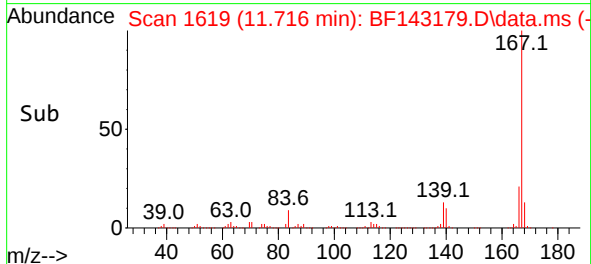
Instrument :
 BNA_F
 ClientSampleId :
 PB168813BS



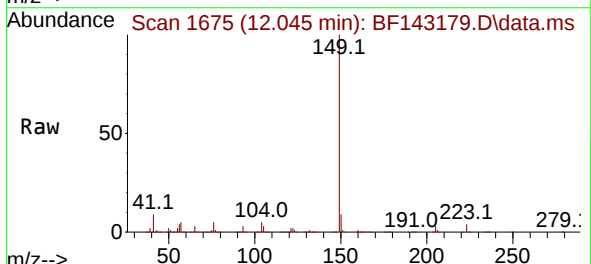
Tgt Ion:167 Resp: 1167519
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.6
 139 12.6 10.0 15.0

Manual Integrations
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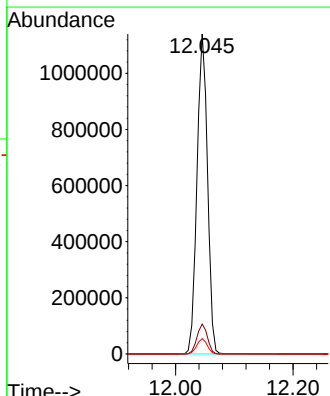
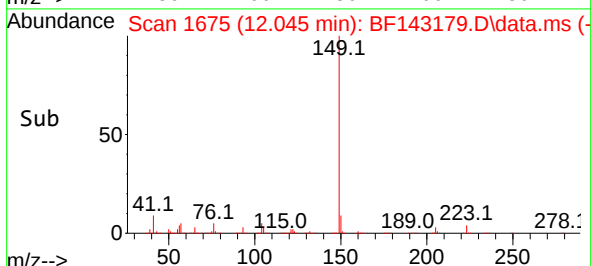
Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

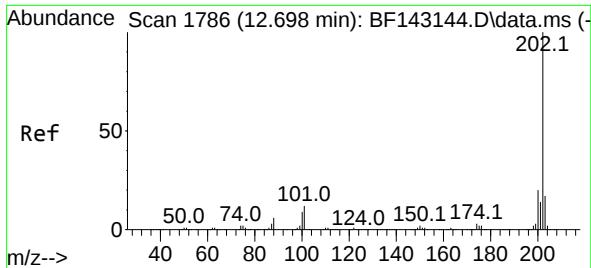


#74
 Di-n-butylphthalate
 Concen: 48.912 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44



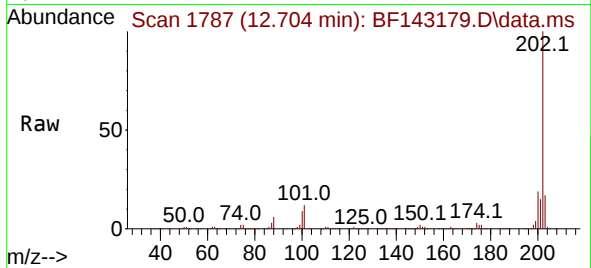
Tgt Ion:149 Resp: 1413258
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 48.349 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

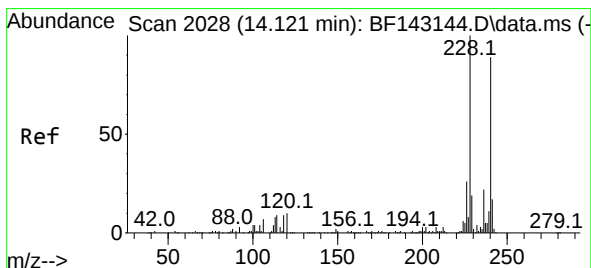
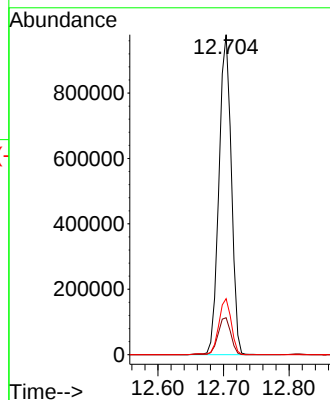
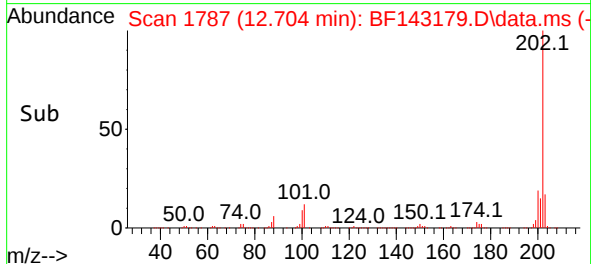
Instrument :
BNA_F
ClientSampleId :
PB168813BS



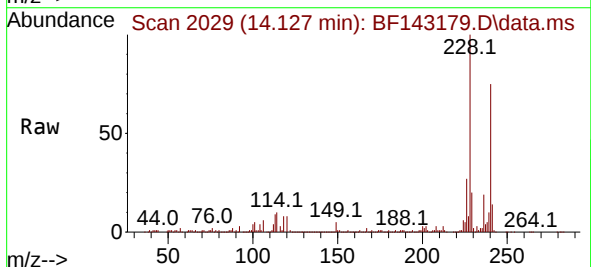
Tgt Ion:202 Resp: 127250
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.5 0.0 37.4

Manual Integrations
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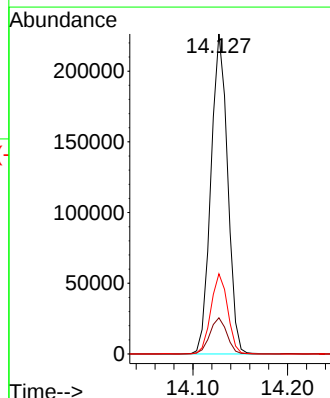
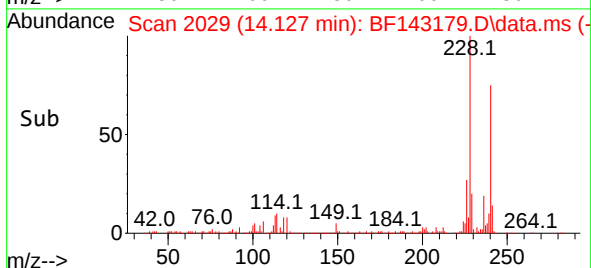
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

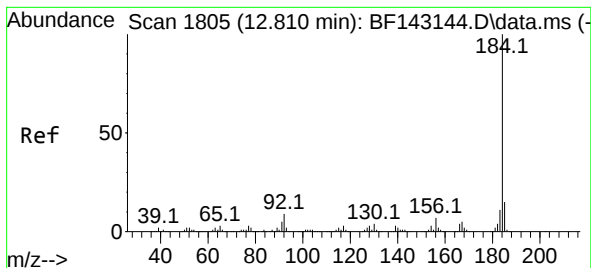


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:240 Resp: 276421
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.1 20.2 30.4





#77

Benzidine

Concen: 45.460 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:184 Resp: 48414

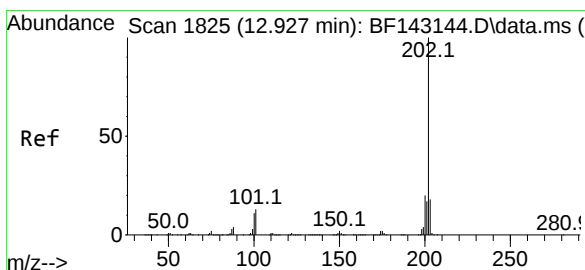
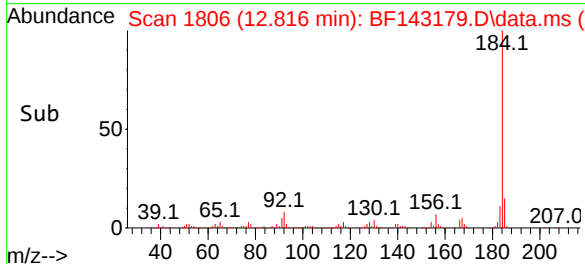
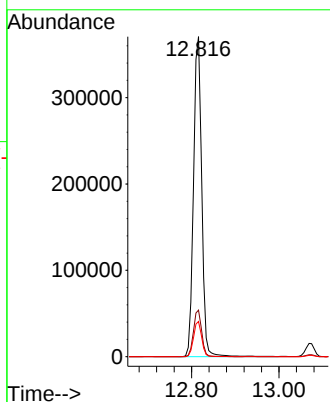
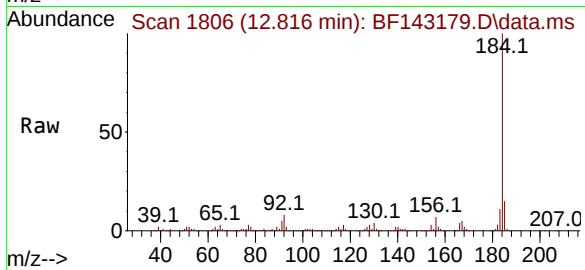
Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.2	18.4
183	11.0	9.0	13.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#78

Pyrene

Concen: 52.781 ng

RT: 12.933 min Scan# 1826

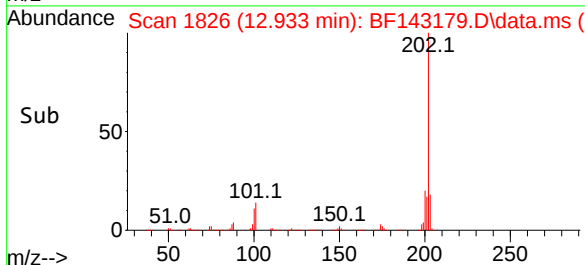
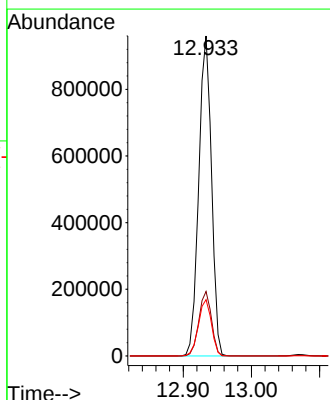
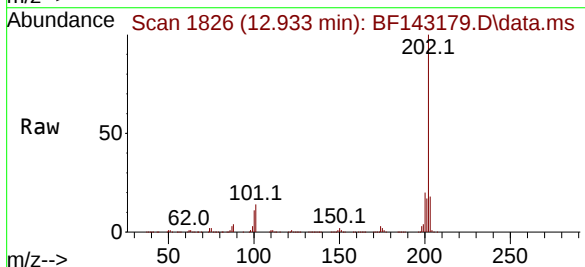
Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:202 Resp: 1245151

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.7	23.5
203	17.6	14.2	21.2





#79
 Terphenyl-d14
 Concen: 89.322 ng
 RT: 13.075 min Scan# 1849
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

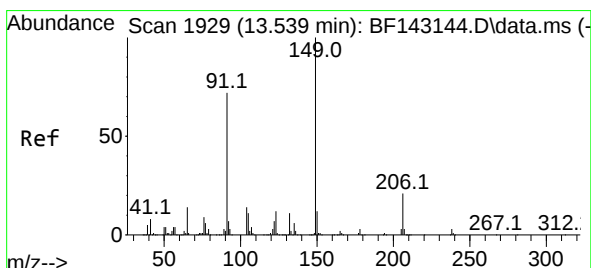
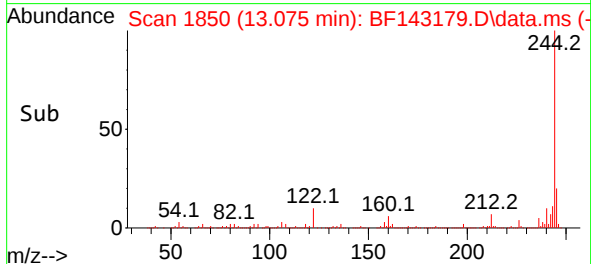
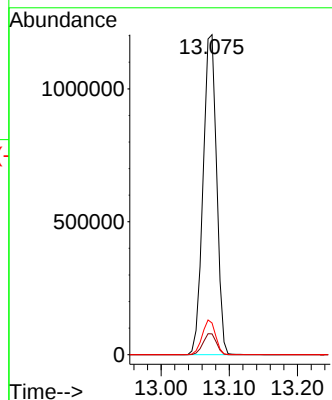
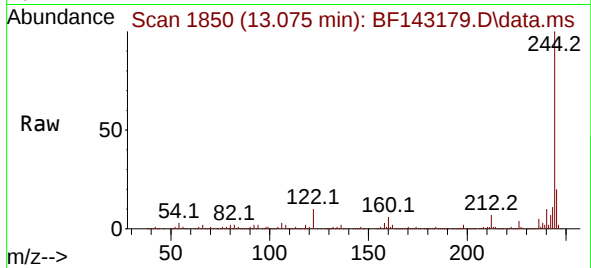
Tgt Ion:244 Resp: 1659178
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 9.9 8.2 12.2

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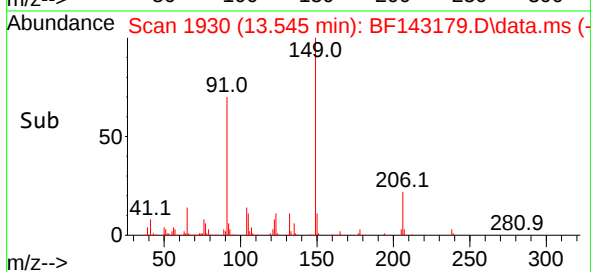
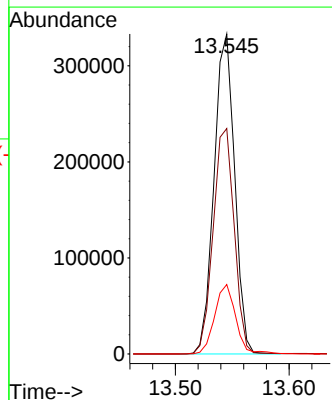
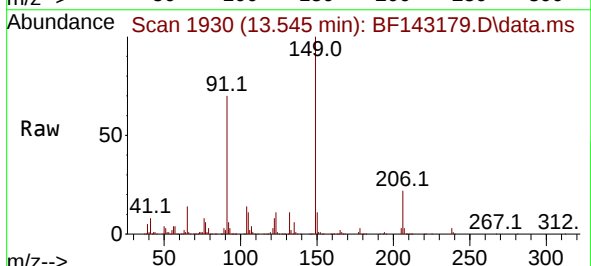
Reviewed By :Rahul Chavli 07/23/2025

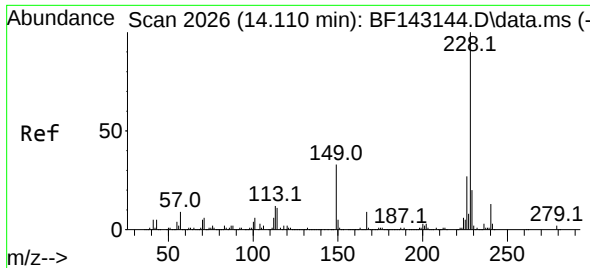
Supervised By :Jagrut Upadhyay 07/23/2025



#80
 Butylbenzylphthalate
 Concen: 58.084 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. 0.006 min
 Lab File: BF143179.D
 Acq: 22 Jul 2025 09:44

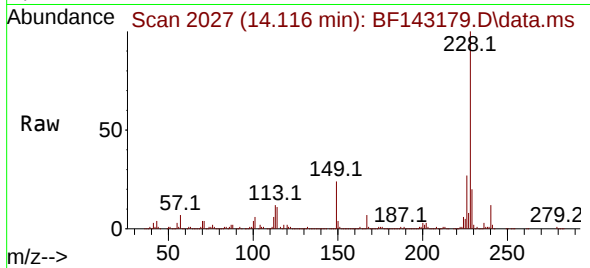
Tgt Ion:149 Resp: 419591
 Ion Ratio Lower Upper
 149 100
 91 70.5 57.9 86.9
 206 21.7 17.0 25.4





#81
Benzo(a)anthracene
Concen: 45.084 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

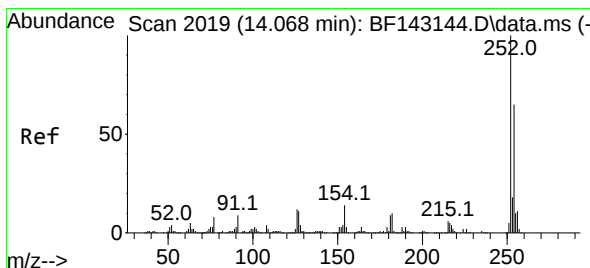
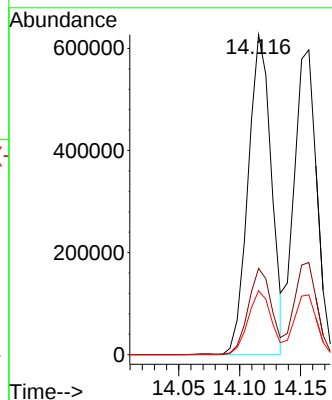
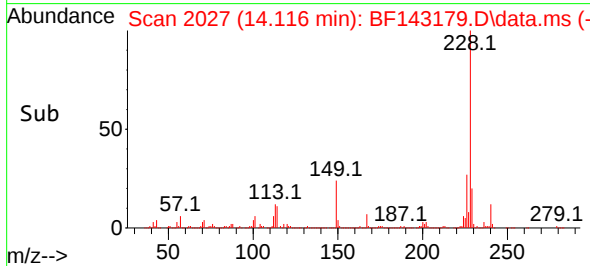
Instrument :
BNA_F
ClientSampleId :
PB168813BS



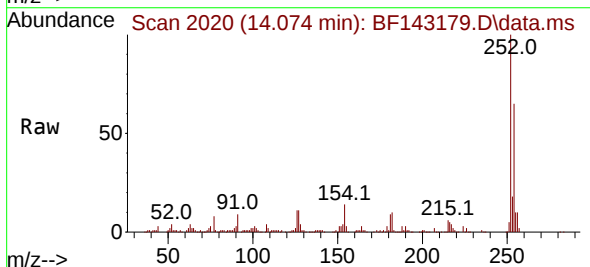
Tgt Ion:228 Resp: 83434
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.0 15.8 23.6

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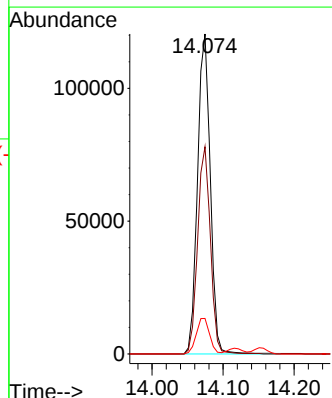
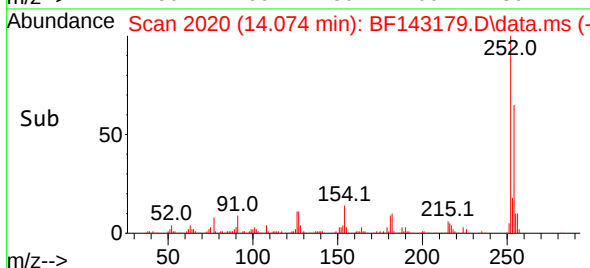
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

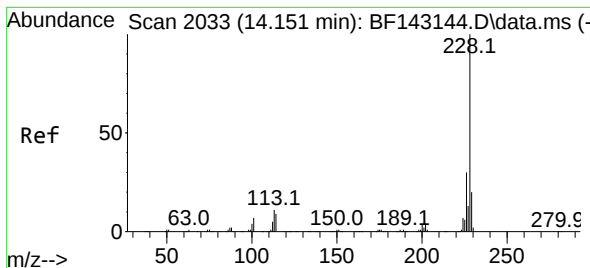


#82
3,3'-Dichlorobenzidine
Concen: 24.469 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44



Tgt Ion:252 Resp: 150923
Ion Ratio Lower Upper
252 100
254 64.8 51.7 77.5
126 11.1 9.4 14.0





#83

Chrysene

Concen: 46.508 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:228 Resp: 77384

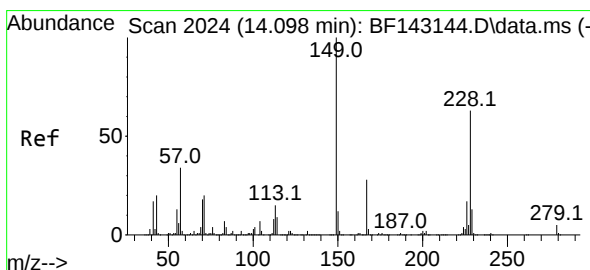
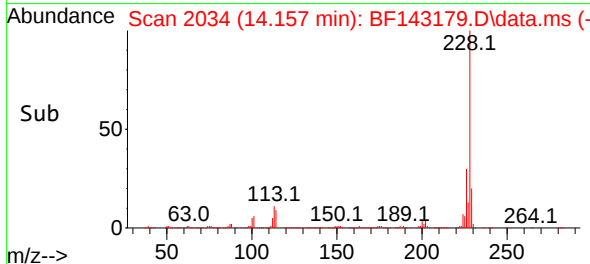
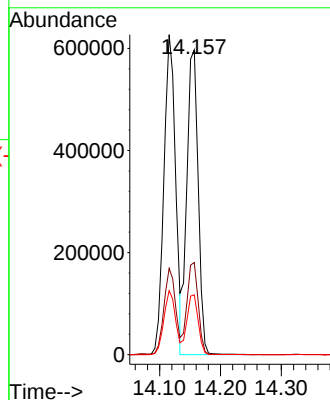
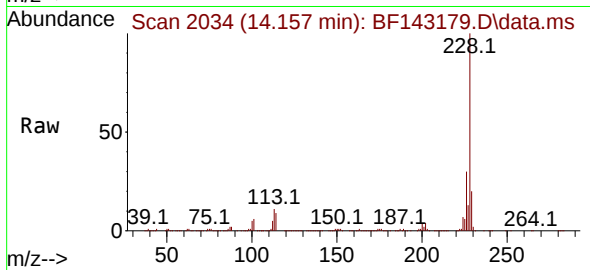
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	19.6	15.6	23.4

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#84

Bis(2-ethylhexyl)phthalate

Concen: 49.581 ng

RT: 14.104 min Scan# 2025

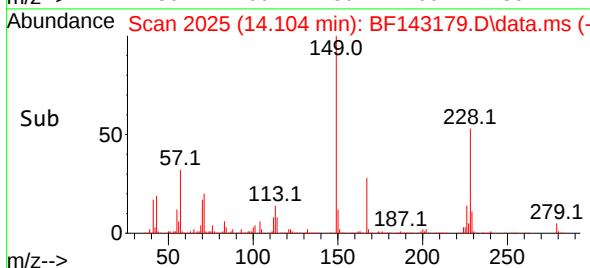
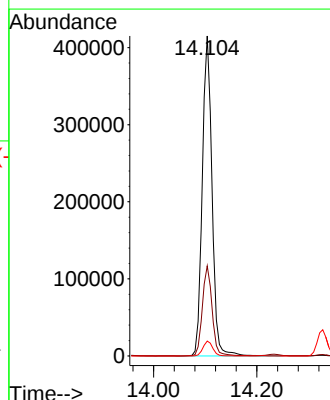
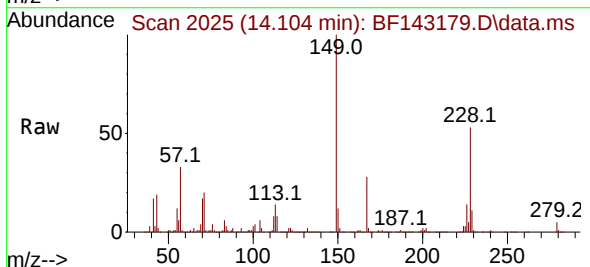
Delta R.T. 0.006 min

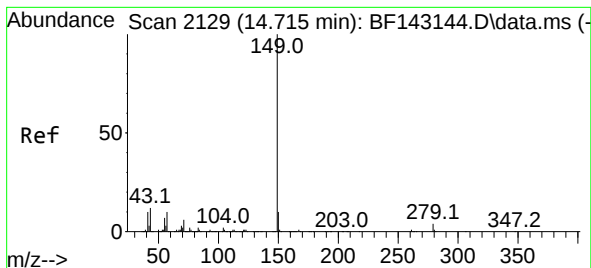
Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 542125

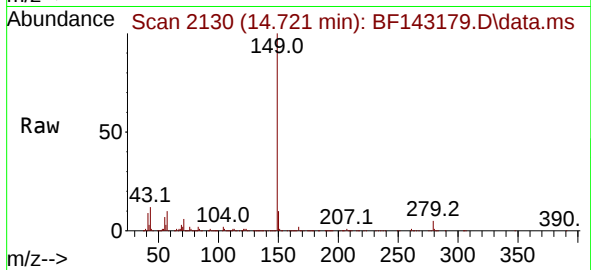
Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.7	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 44.043 ng
RT: 14.721 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

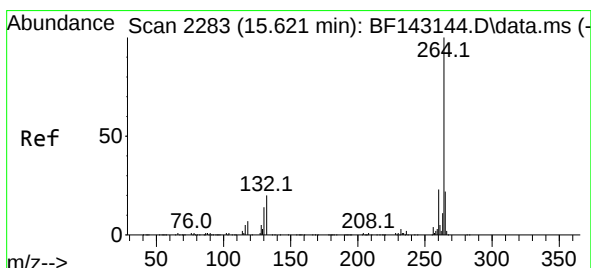
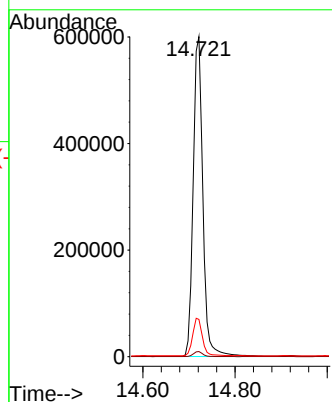
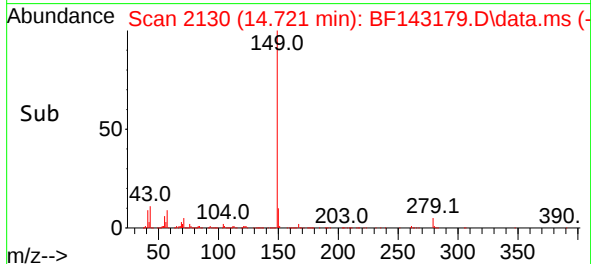
Instrument :
BNA_F
ClientSampleId :
PB168813BS



Tgt Ion:149 Resp: 872909
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.6 9.7 14.5

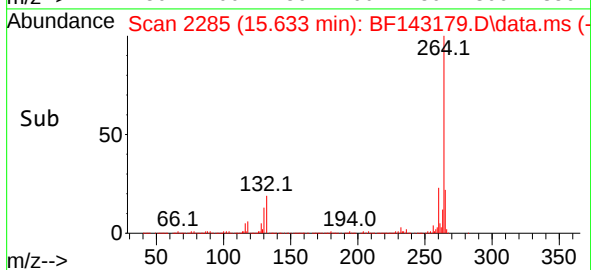
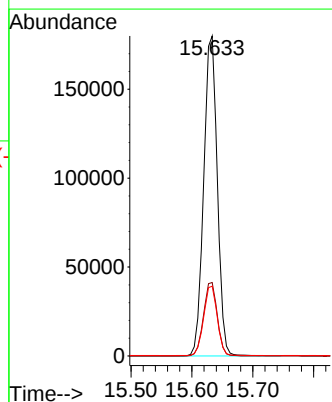
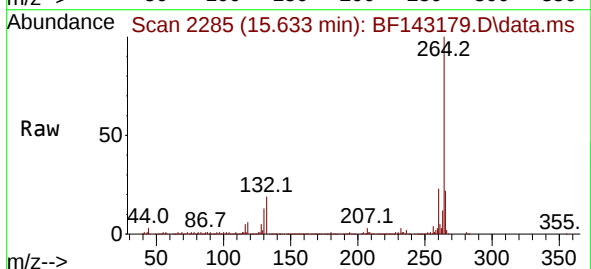
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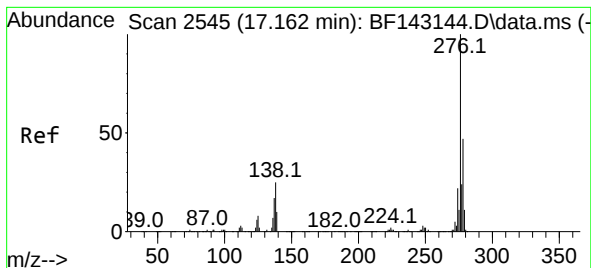
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:264 Resp: 278917
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.847 ng

RT: 17.174 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:276 Resp: 901700

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.6

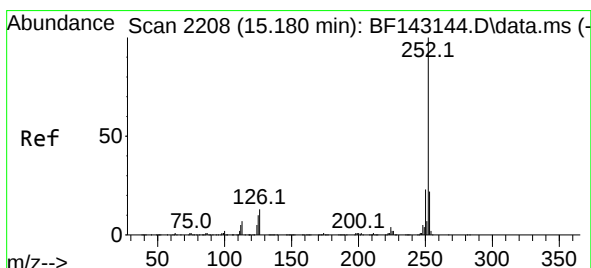
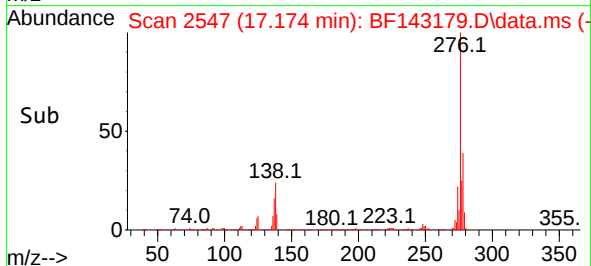
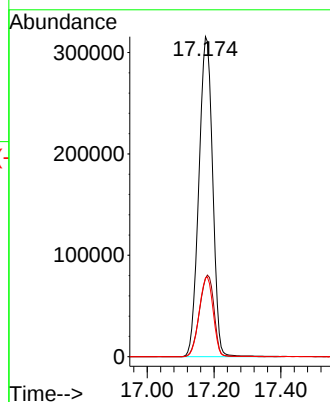
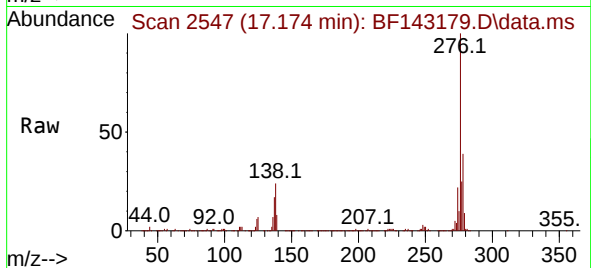
277 25.3 20.0 30.0

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#88

Benzo(b)fluoranthene

Concen: 47.244 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

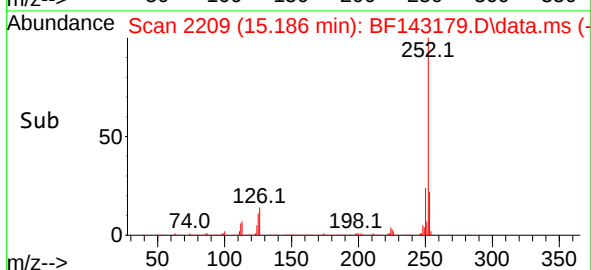
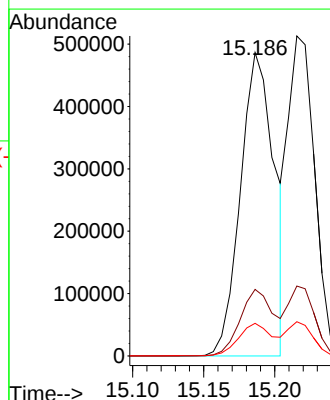
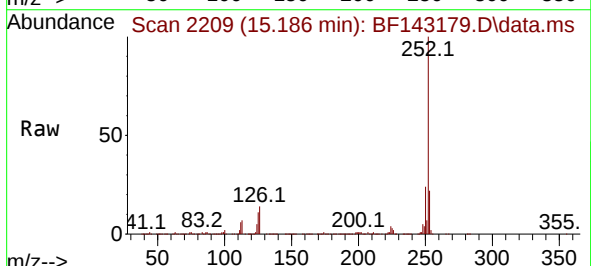
Tgt Ion:252 Resp: 805003

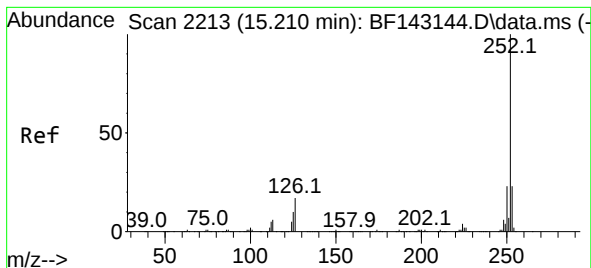
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 44.106 ng

RT: 15.216 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

Tgt Ion:252 Resp: 670629

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

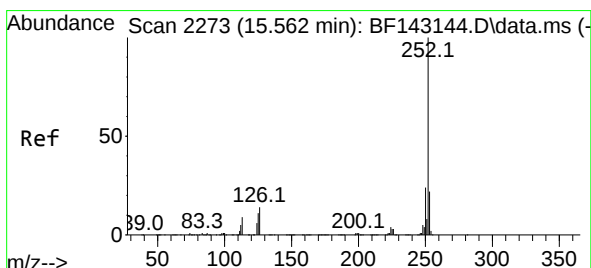
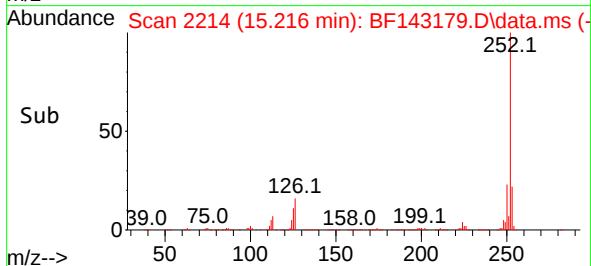
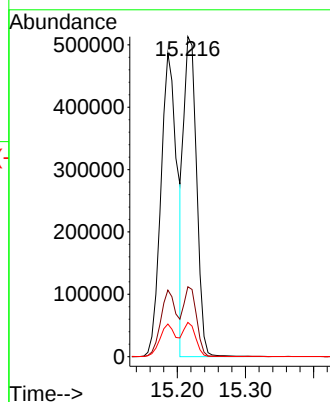
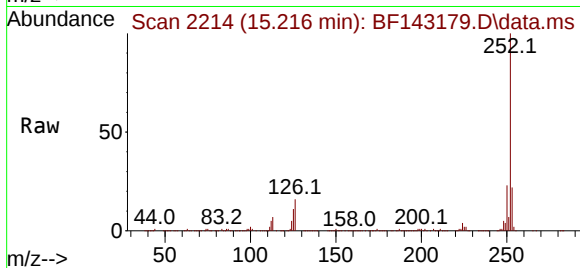
125 10.7 8.1 12.1

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#90

Benzo(a)pyrene

Concen: 46.279 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143179.D

Acq: 22 Jul 2025 09:44

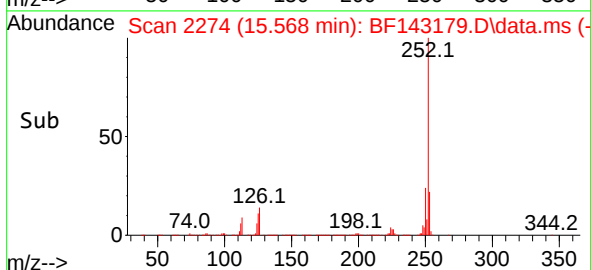
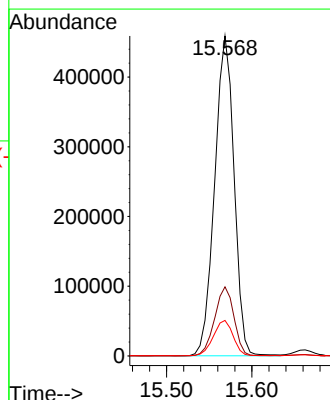
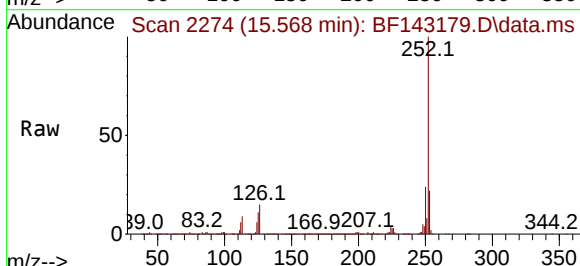
Tgt Ion:252 Resp: 726542

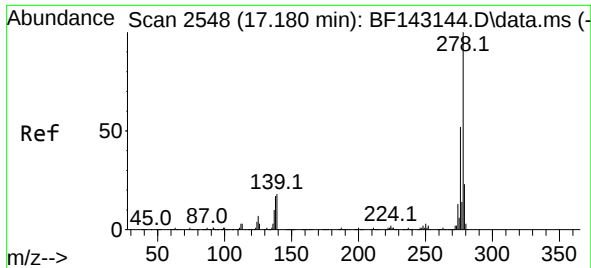
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 11.1 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 45.444 ng
RT: 17.192 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :

BNA_F

ClientSampleId :

PB168813BS

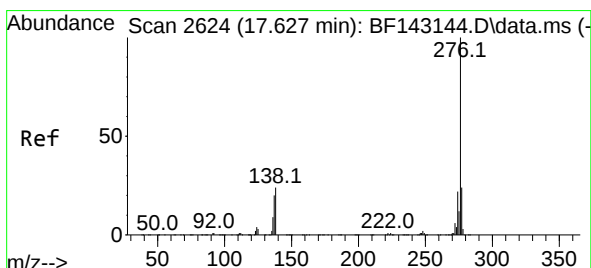
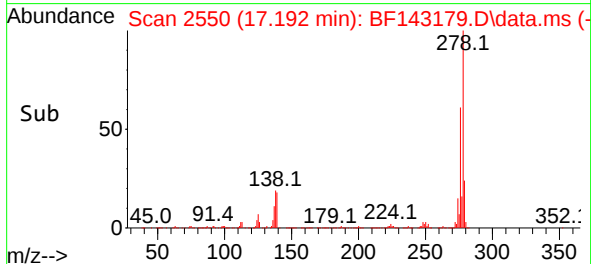
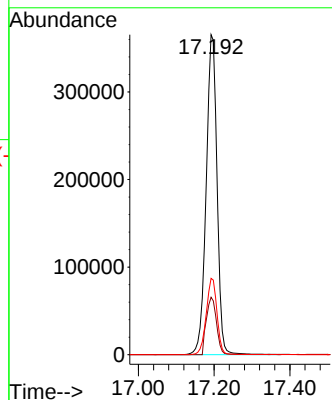
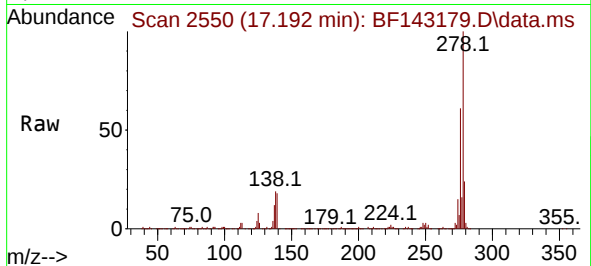
Tgt Ion:278 Resp: 72746
Ion Ratio Lower Upper
278 100
139 18.0 14.1 21.1
279 23.8 18.6 28.0

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Supervised By :Jagrut Upadhyay 07/23/2025



#92
Benzo(g,h,i)perylene
Concen: 46.754 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:276 Resp: 723992
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 23.0 18.9 28.3

