

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042225\
 Data File : BF142211.D
 Acq On : 22 Apr 2025 14:44
 Operator : RC/JU
 Sample : PB167672BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 22 15:11:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 22 02:14:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	454794	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	1778060	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	986845	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	1683111	20.000	ng	0.00
76) Chrysene-d12	14.033	240	969588	20.000	ng	0.00
86) Perylene-d12	15.510	264	1146363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	2081397	85.804	ng	0.02
7) Phenol-d6	6.498	99	2559975	84.267	ng	0.00
23) Nitrobenzene-d5	7.428	82	2460214	86.897	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	1148721	85.136	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	5122626	84.608	ng	0.00
79) Terphenyl-d14	12.975	244	5245486	90.634	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.710	88	350439	35.590	ng	99
3) Pyridine	3.469	79	907746	42.474	ng	99
4) n-Nitrosodimethylamine	3.416	42	383482	44.190	ng	# 99
6) Aniline	6.528	93	1081277	38.547	ng	# 89
8) 2-Chlorophenol	6.651	128	1288763	46.413	ng	99
9) Benzaldehyde	6.416	77	622352	37.313	ng	98
10) Phenol	6.510	94	1471069	45.910	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	1055080	43.664	ng	98
12) 1,3-Dichlorobenzene	6.810	146	1408763	44.772	ng	99
13) 1,4-Dichlorobenzene	6.887	146	1411369	43.734	ng	99
14) 1,2-Dichlorobenzene	7.040	146	1375432	45.814	ng	99
15) Benzyl Alcohol	7.010	79	1036511	46.794	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.140	45	1062520	45.365	ng	92
17) 2-Methylphenol	7.122	107	1012237	48.437	ng	98
18) Hexachloroethane	7.381	117	511919	46.695	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	781891	45.515	ng	99
20) 3+4-Methylphenols	7.275	107	1229631	47.310	ng	91
22) Acetophenone	7.275	105	1682163	43.101	ng	96
24) Nitrobenzene	7.451	77	1244975	44.387	ng	100
25) Isophorone	7.687	82	2237769	47.087	ng	99
26) 2-Nitrophenol	7.763	139	707013	47.954	ng	96
27) 2,4-Dimethylphenol	7.804	122	1163165	60.675	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	1394963	44.723	ng	99
29) 2,4-Dichlorophenol	8.010	162	1130146	43.346	ng	99
30) 1,2,4-Trichlorobenzene	8.087	180	1305890	42.830	ng	98
31) Naphthalene	8.169	128	3592861	42.776	ng	99
32) Benzoic acid	7.928	122	703546	40.893	ng	98
33) 4-Chloroaniline	8.222	127	435377	14.315	ng	99
34) Hexachlorobutadiene	8.287	225	863956	42.938	ng	99
35) Caprolactam	8.592	113	234291	33.685	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	1165678	44.414	ng	99
37) 2-Methylnaphthalene	8.863	142	2281698	39.307	ng	99
38) 1-Methylnaphthalene	8.963	142	2359383	41.979	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	1380442	42.752	ng	99
41) Hexachlorocyclopentadiene	9.016	237	1850364	186.881	ng	99
43) 2,4,6-Trichlorophenol	9.139	196	870794	46.193	ng	100

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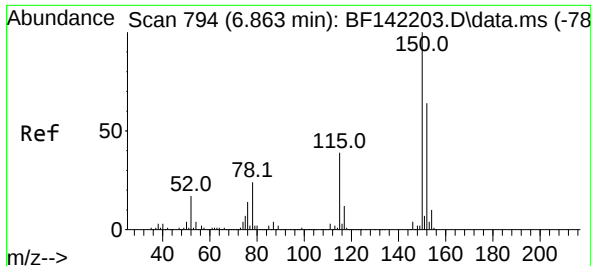
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 22 02:14:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	896425	44.363	ng	97
46) 1,1'-Biphenyl	9.328	154	3104406	43.870	ng	100
47) 2-Chloronaphthalene	9.351	162	2433061	44.296	ng	99
48) 2-Nitroaniline	9.445	65	609375	47.329	ng	94
49) Acenaphthylene	9.769	152	3653876	47.063	ng	100
50) Dimethylphthalate	9.628	163	2836336	44.827	ng	100
51) 2,6-Dinitrotoluene	9.692	165	641418	45.153	ng	99
52) Acenaphthene	9.939	154	2395648	42.820	ng	100
53) 3-Nitroaniline	9.857	138	289393	21.261	ng	92
54) 2,4-Dinitrophenol	9.969	184	785295	112.869	ng	96
55) Dibenzofuran	10.110	168	3345770	42.657	ng	98
56) 4-Nitrophenol	10.028	139	915444	91.942	ng	98
57) 2,4-Dinitrotoluene	10.092	165	892061	48.619	ng	97
58) Fluorene	10.457	166	2700086	44.502	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	811524	44.922	ng	100
60) Diethylphthalate	10.328	149	2687801	45.492	ng	99
61) 4-Chlorophenyl-phenyle...	10.445	204	1458223	43.649	ng	99
62) 4-Nitroaniline	10.475	138	575486	44.481	ng	96
63) Azobenzene	10.604	77	2288089	44.474	ng	96
65) 4,6-Dinitro-2-methylph...	10.504	198	510956	52.007	ng	97
66) n-Nitrosodiphenylamine	10.563	169	2334943	45.264	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	963042	43.508	ng	100
68) Hexachlorobenzene	11.004	284	1139419	43.256	ng	99
69) Atrazine	11.092	200	801362	63.658	ng	99
70) Pentachlorophenol	11.198	266	1193219	88.796	ng	99
71) Phenanthrene	11.416	178	3792389	45.374	ng	100
72) Anthracene	11.469	178	3876240	46.382	ng	100
73) Carbazole	11.622	167	3197354	43.793	ng	99
74) Di-n-butylphthalate	11.951	149	3557598	47.078	ng	100
75) Fluoranthene	12.604	202	3677228	42.325	ng	99
77) Benzidine	12.727	184	695113	55.555	ng	99
78) Pyrene	12.833	202	3586889	46.579	ng	99
80) Butylbenzylphthalate	13.451	149	1035601	55.561	ng	98
81) Benzo(a)anthracene	14.022	228	2800475	47.687	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	316042	18.072	ng	97
83) Chrysene	14.063	228	2362561	41.755	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	1349302	54.112	ng	99
85) Di-n-octyl phthalate	14.621	149	2476067	56.065	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	3785133	47.061	ng	99
88) Benzo(b)fluoranthene	15.074	252	2955291	45.951	ng	100
89) Benzo(k)fluoranthene	15.104	252	2588845	40.754	ng	100
90) Benzo(a)pyrene	15.445	252	2779396	48.289	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	3084163	47.007	ng	99
92) Benzo(g,h,i)perylene	17.451	276	3026643	44.290	ng	99

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

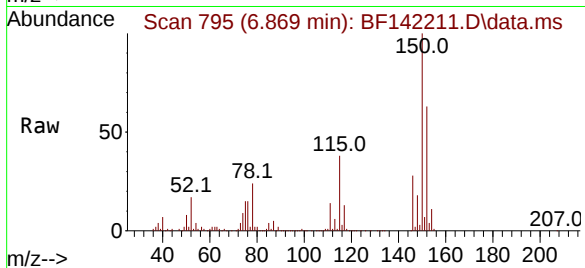
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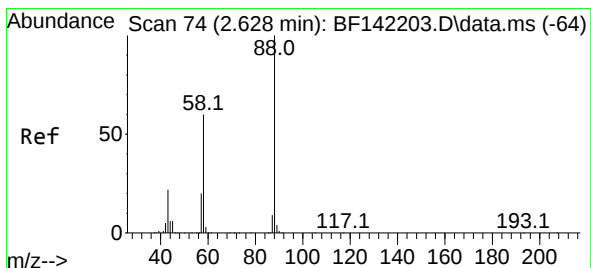
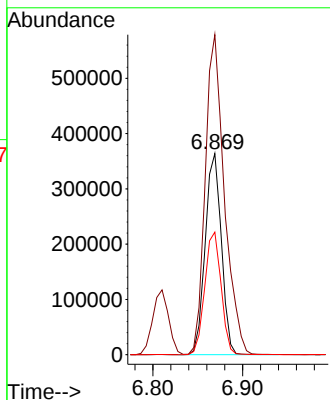
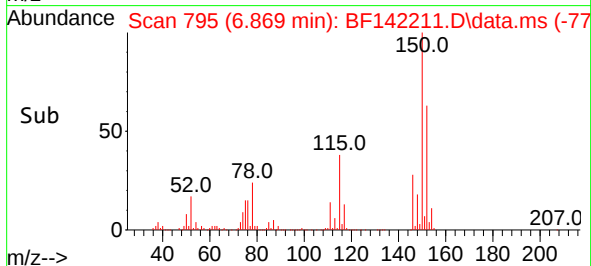


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 794
 Delta R.T. 0.006 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

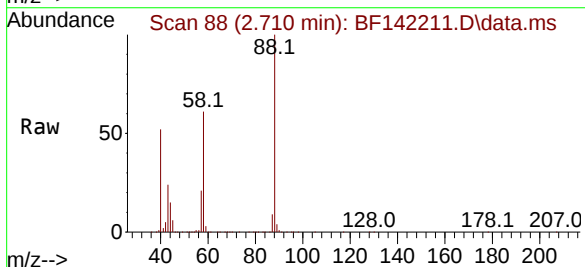
Instrument :
 BNA_F
 ClientSampleId :



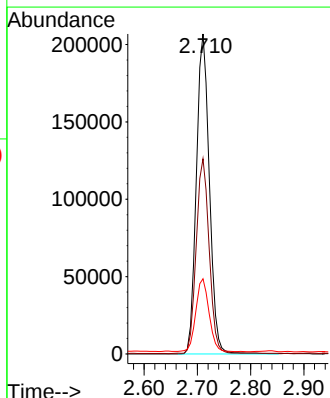
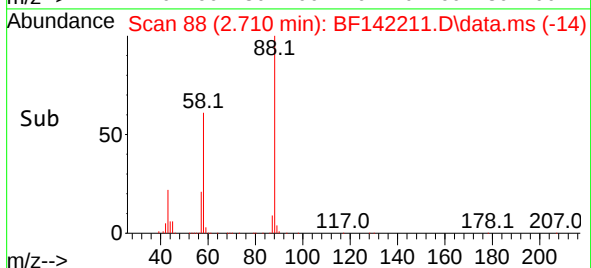
Tgt Ion:152 Resp: 454794
 Ion Ratio Lower Upper
 152 100
 150 159.1 126.4 189.6
 115 60.9 49.4 74.2

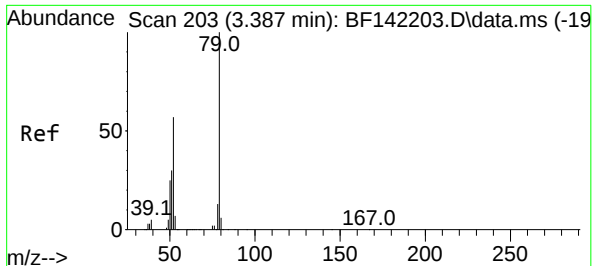


#2
 1,4-Dioxane
 Concen: 35.590 ng
 RT: 2.710 min Scan# 88
 Delta R.T. 0.082 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44



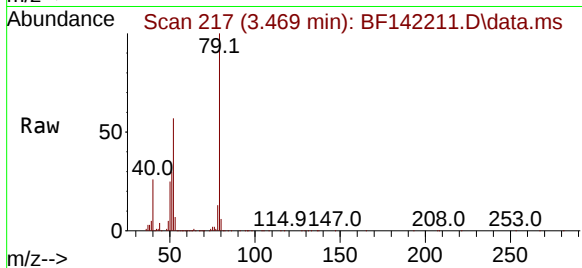
Tgt Ion: 88 Resp: 350439
 Ion Ratio Lower Upper
 88 100
 58 60.5 47.8 71.6
 43 23.0 17.8 26.8





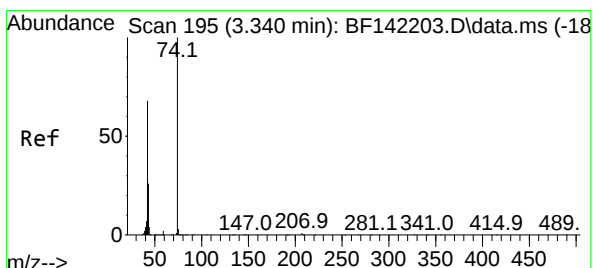
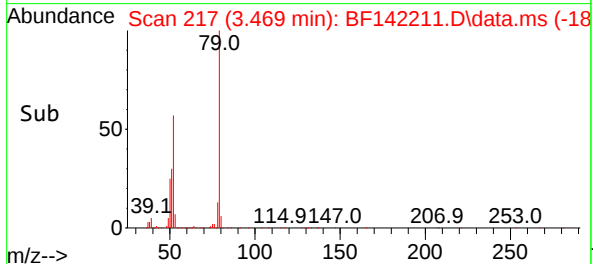
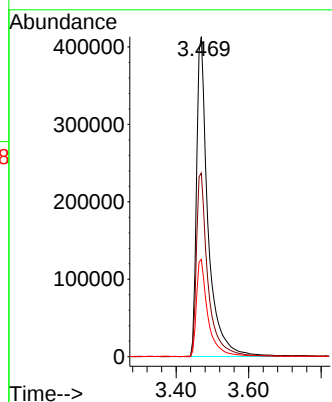
#3
 Pyridine
 Concen: 42.474 ng
 RT: 3.469 min Scan# 217
 Delta R.T. 0.082 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion: 79 Resp: 907746

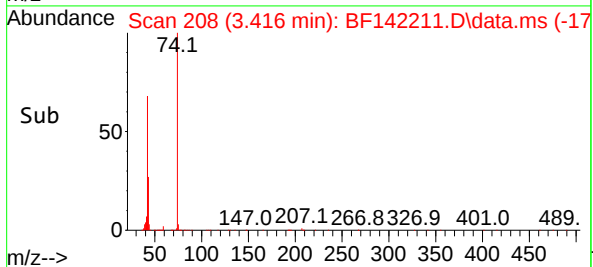
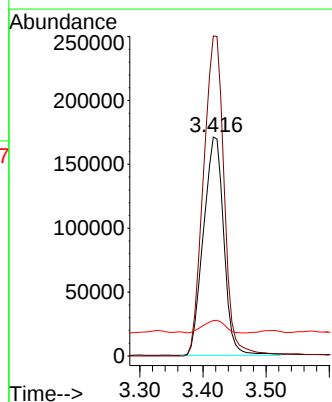
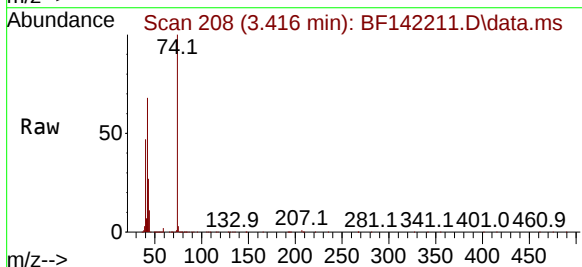
Ion	Ratio	Lower	Upper
79	100		
52	57.4	45.8	68.8
51	30.4	23.8	35.6

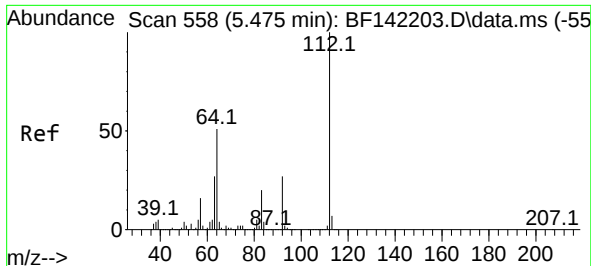


#4
 n-Nitrosodimethylamine
 Concen: 44.190 ng
 RT: 3.416 min Scan# 208
 Delta R.T. 0.077 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Tgt Ion: 42 Resp: 383482

Ion	Ratio	Lower	Upper
42	100		
74	146.2	117.4	176.0
44	16.2	9.5	14.3

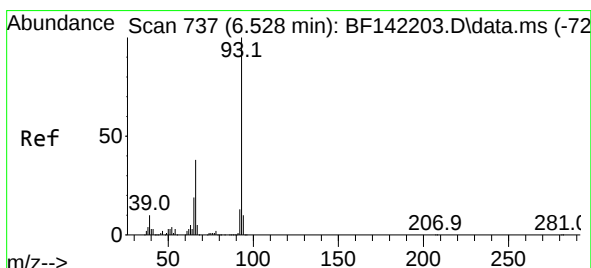
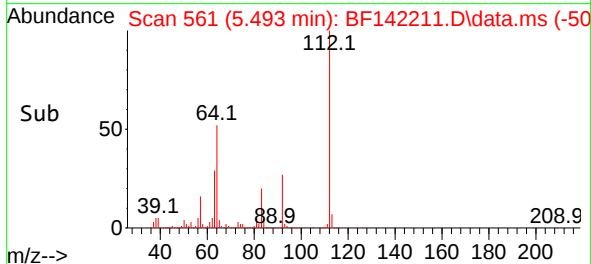
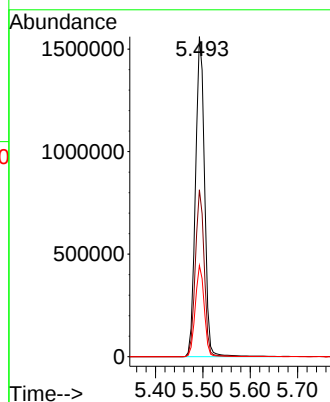
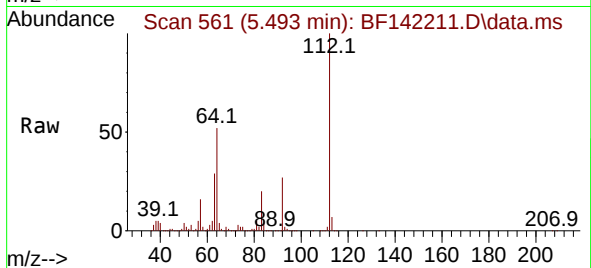




#5
2-Fluorophenol
Concen: 85.804 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.018 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

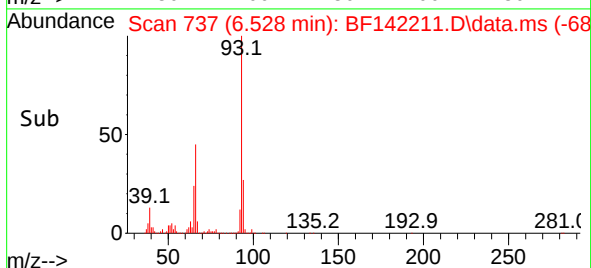
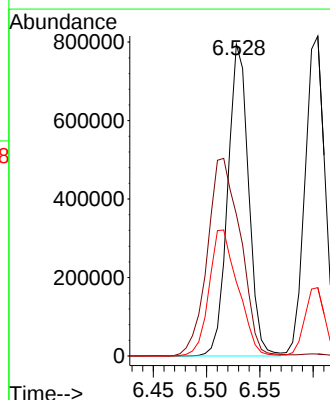
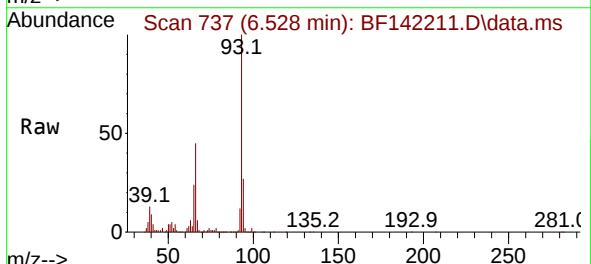
Instrument :
BNA_F
ClientSampleId :

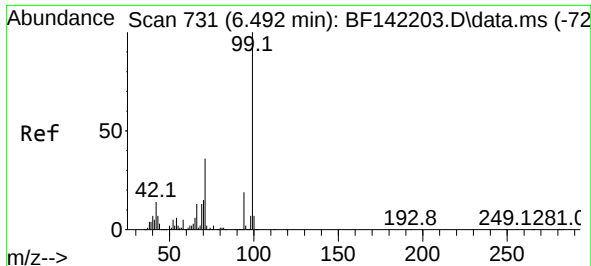
Tgt Ion:112 Resp: 2081397
Ion Ratio Lower Upper
112 100
64 52.2 40.9 61.3
63 28.5 22.0 33.0



#6
Aniline
Concen: 38.547 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 93 Resp: 1081277
Ion Ratio Lower Upper
93 100
66 45.4 30.9 46.3
65 23.7 15.1 22.7#

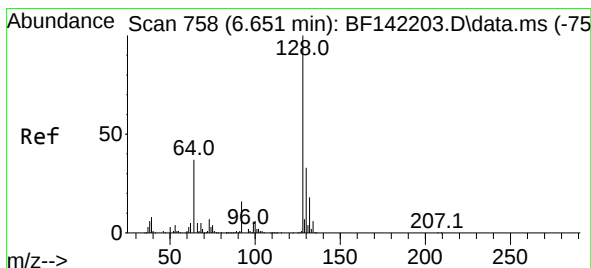
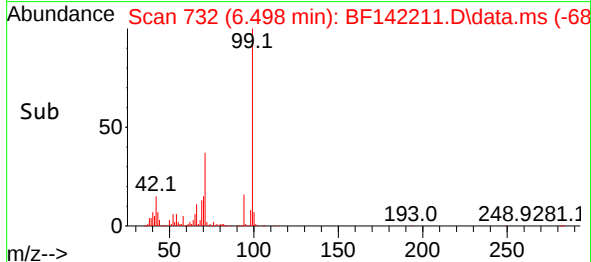
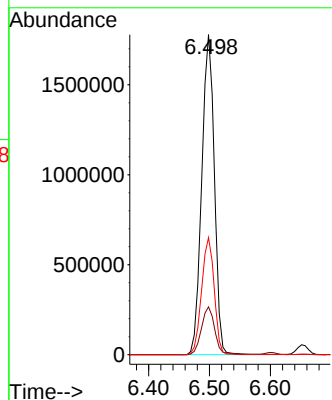
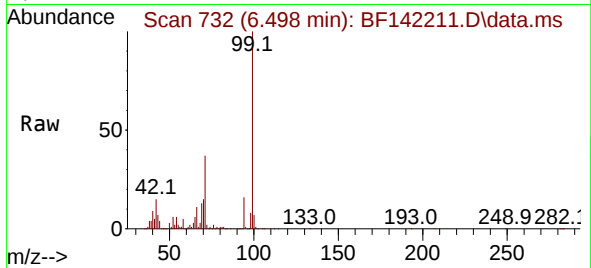




#7
Phenol-d6
Concen: 84.267 ng
RT: 6.498 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

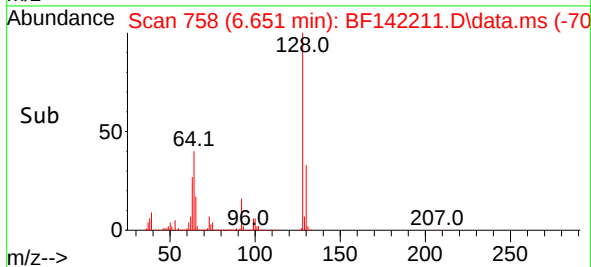
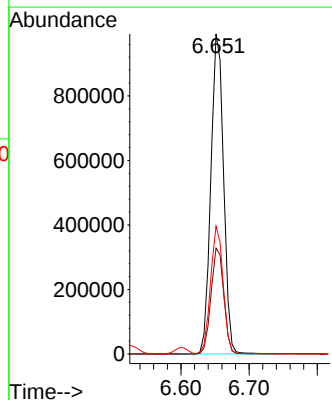
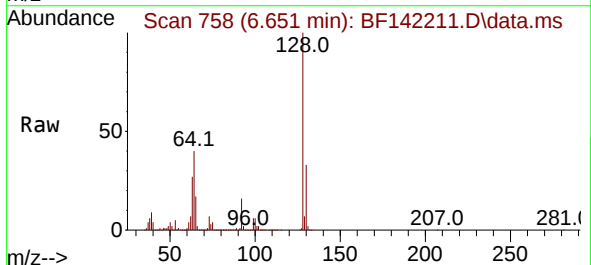
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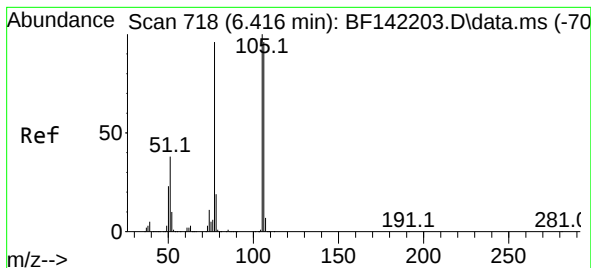
Tgt Ion: 99 Resp: 2559975
Ion Ratio Lower Upper
99 100
42 15.0 11.5 17.3
71 36.6 28.6 42.8



#8
2-Chlorophenol
Concen: 46.413 ng
RT: 6.651 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:128 Resp: 1288763
Ion Ratio Lower Upper
128 100
130 33.1 13.0 53.0
64 39.9 18.8 58.8





#9

Benzaldehyde

Concen: 37.313 ng

RT: 6.416 min Scan# 718

Delta R.T. 0.000 min

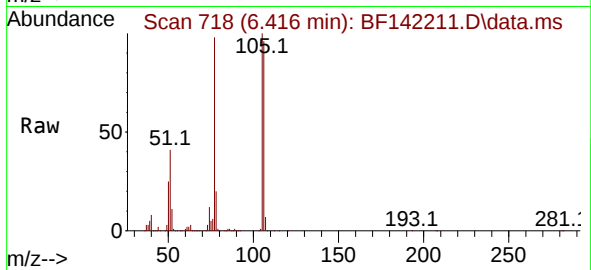
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Instrument :

BNA_F

ClientSampleId :



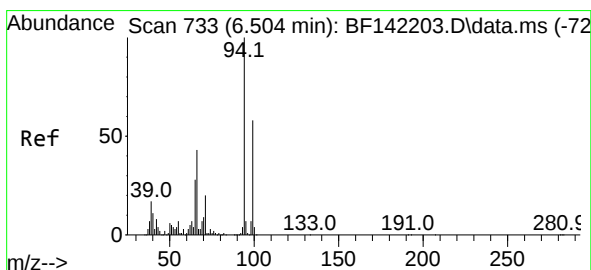
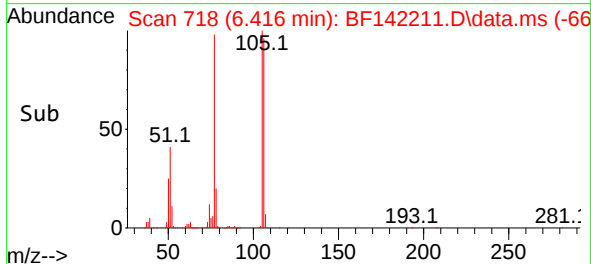
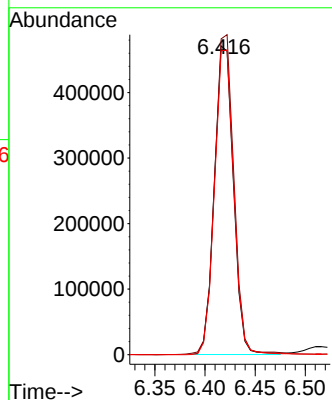
Tgt Ion: 77 Resp: 622352

Ion Ratio Lower Upper

77 100

105 102.3 84.4 124.4

106 98.4 80.3 120.3



#10

Phenol

Concen: 45.910 ng

RT: 6.510 min Scan# 734

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

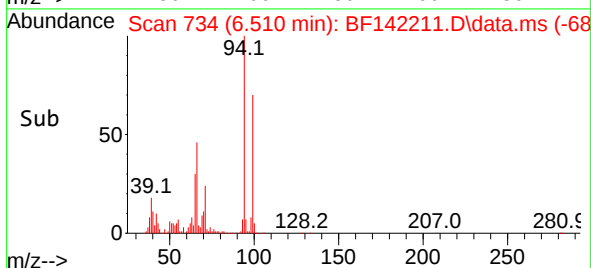
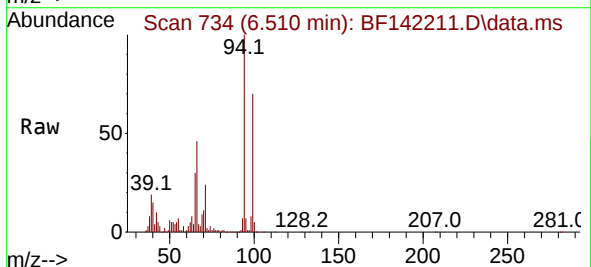
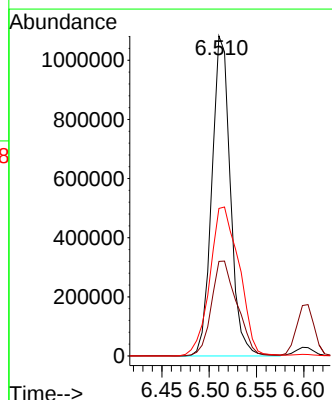
Tgt Ion: 94 Resp: 1471069

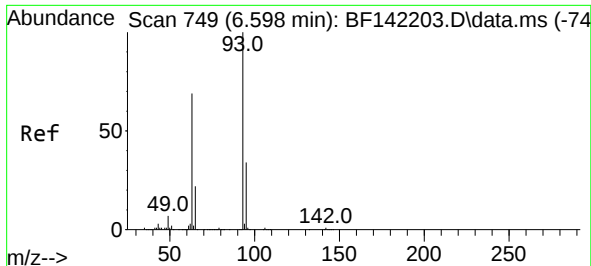
Ion Ratio Lower Upper

94 100

65 29.5 8.1 48.1

66 46.1 22.7 62.7

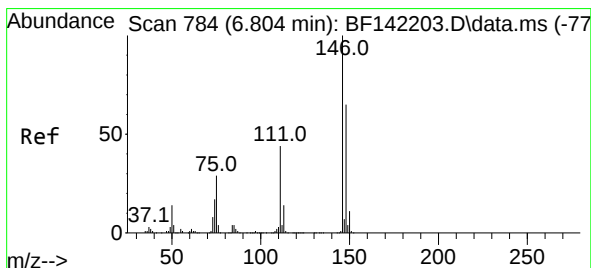
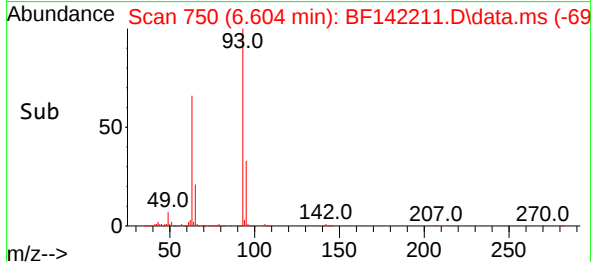
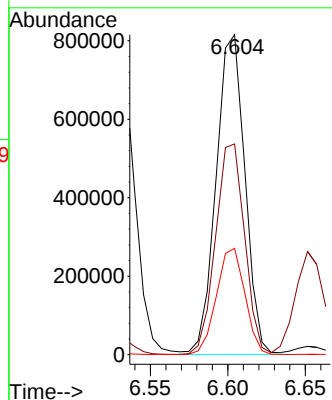
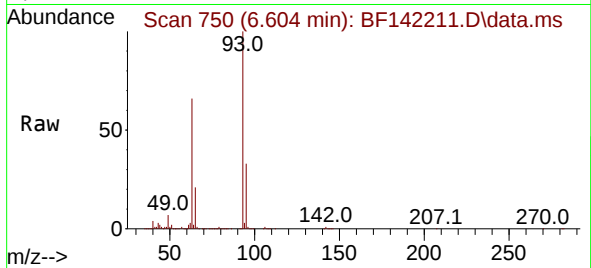




#11
bis(2-Chloroethyl)ether
Concen: 43.664 ng
RT: 6.604 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

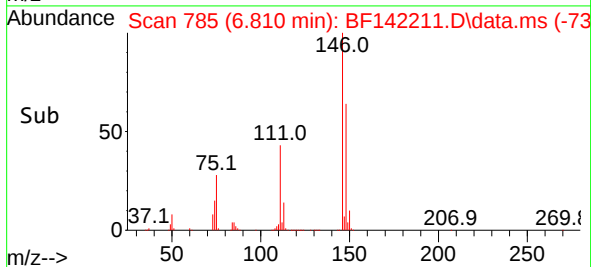
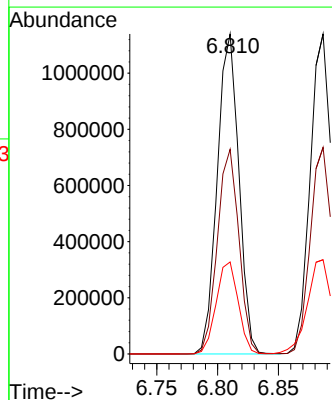
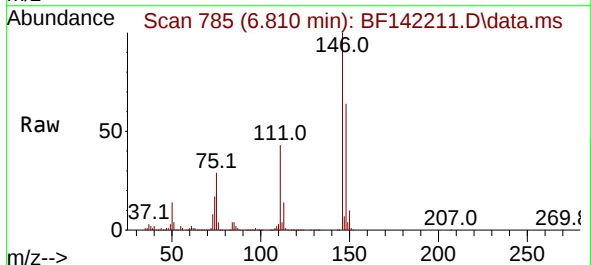
Instrument :
BNA_F
ClientSampleId :

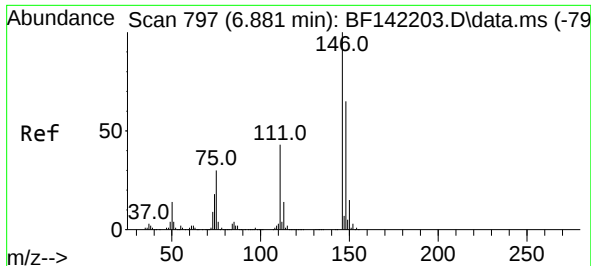
Tgt Ion: 93 Resp: 1055080
Ion Ratio Lower Upper
93 100
63 65.8 47.9 87.9
95 33.3 13.7 53.7



#12
1,3-Dichlorobenzene
Concen: 44.772 ng
RT: 6.810 min Scan# 785
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:146 Resp: 1408763
Ion Ratio Lower Upper
146 100
148 64.0 51.7 77.5
75 28.8 23.3 34.9

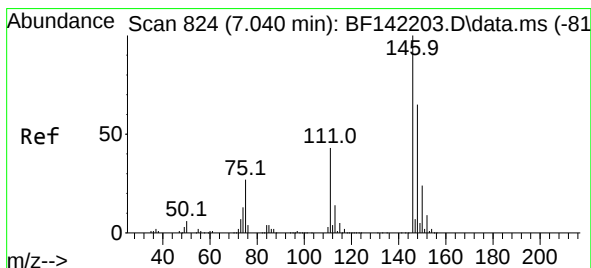
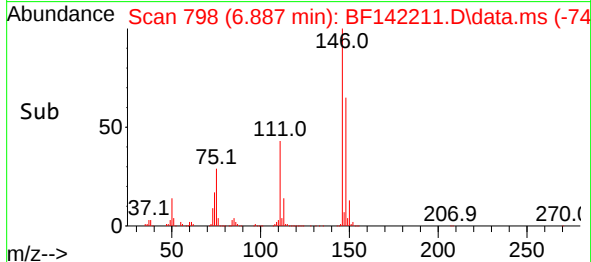
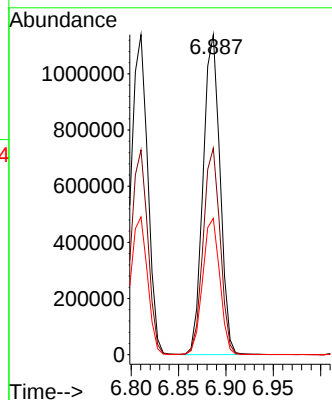
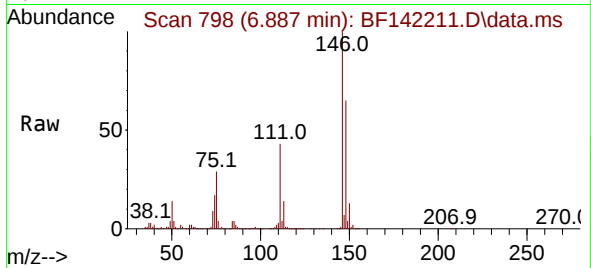




#13
 1,4-Dichlorobenzene
 Concen: 43.734 ng
 RT: 6.887 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

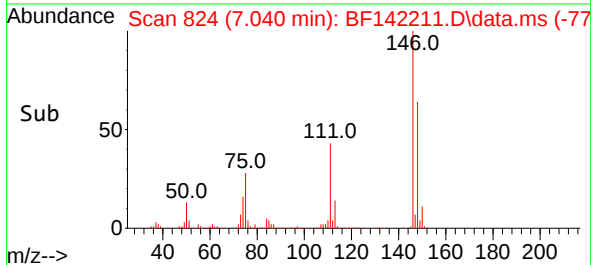
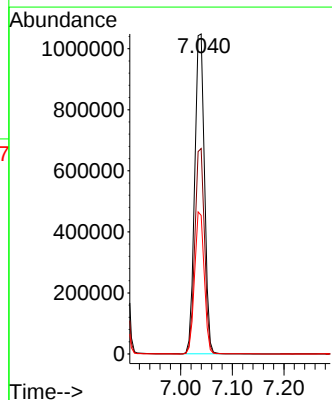
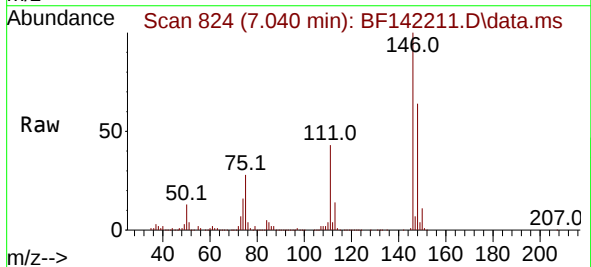
Instrument :
 BNA_F
 ClientSampleId :

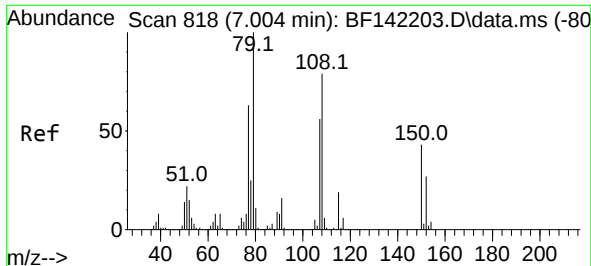
Tgt Ion:146 Resp: 1411369
 Ion Ratio Lower Upper
 146 100
 148 64.6 52.4 78.6
 111 42.6 34.1 51.1



#14
 1,2-Dichlorobenzene
 Concen: 45.814 ng
 RT: 7.040 min Scan# 824
 Delta R.T. 0.000 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Tgt Ion:146 Resp: 1375432
 Ion Ratio Lower Upper
 146 100
 148 64.2 52.2 78.4
 111 43.3 34.2 51.4





#15

Benzyl Alcohol

Concen: 46.794 ng

RT: 7.010 min Scan# 818

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

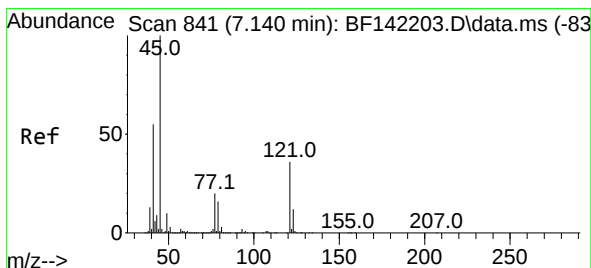
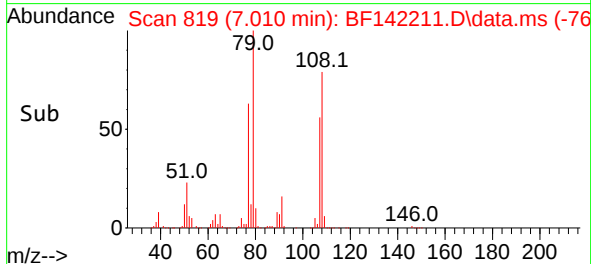
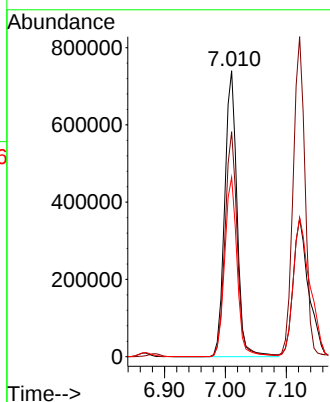
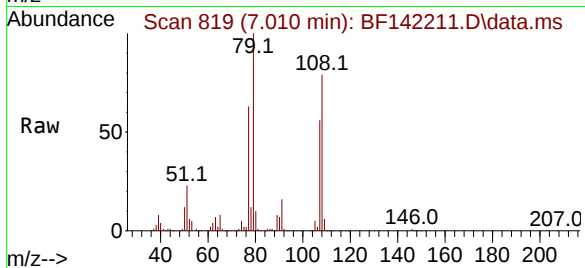
Tgt Ion: 79 Resp: 1036511

Ion Ratio Lower Upper

79 100

108 78.7 63.1 94.7

77 62.8 50.6 76.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.365 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

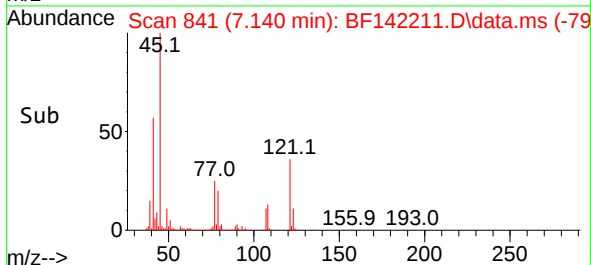
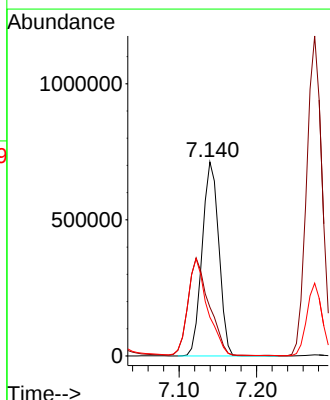
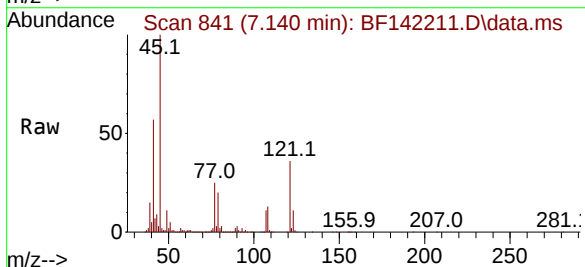
Tgt Ion: 45 Resp: 1062520

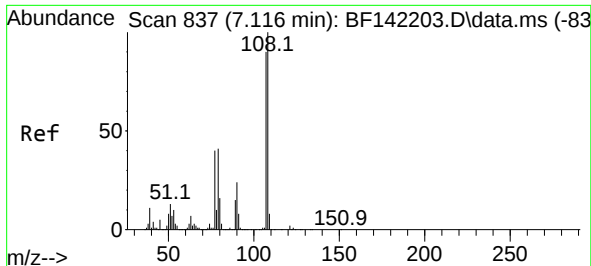
Ion Ratio Lower Upper

45 100

77 25.1 1.4 41.4

79 19.9 0.0 36.7





#17

2-Methylphenol

Concen: 48.437 ng

RT: 7.122 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:107 Resp: 1012237

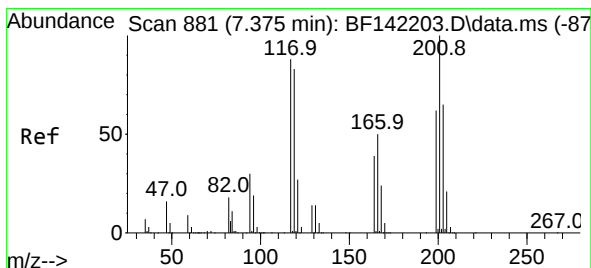
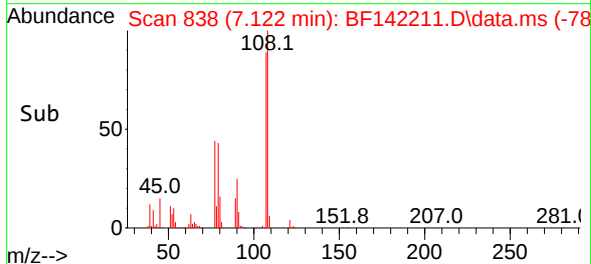
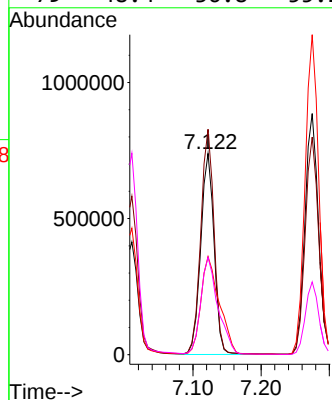
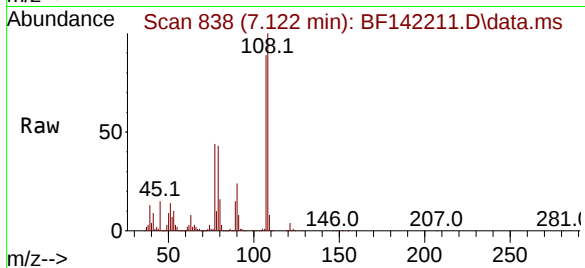
Ion Ratio Lower Upper

107 100

108 112.0 89.4 134.2

77 48.8 36.3 54.5

79 48.4 36.8 55.2



#18

Hexachloroethane

Concen: 46.695 ng

RT: 7.381 min Scan# 882

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

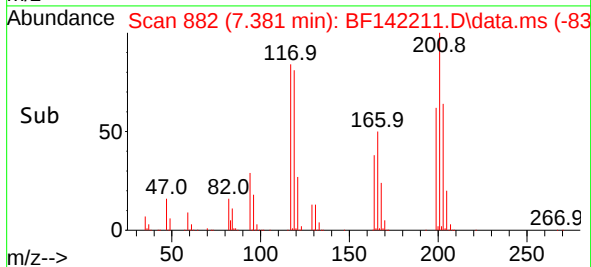
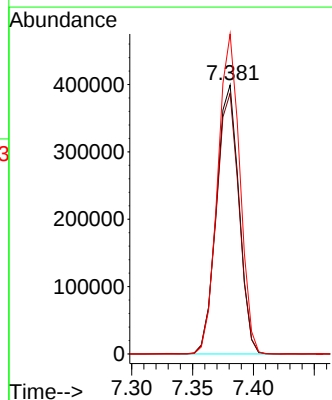
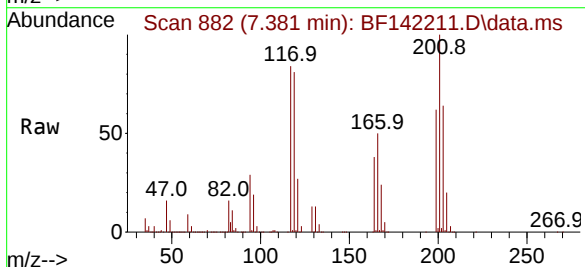
Tgt Ion:117 Resp: 511919

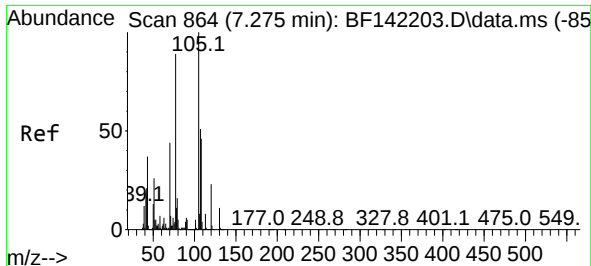
Ion Ratio Lower Upper

117 100

119 96.9 75.8 113.8

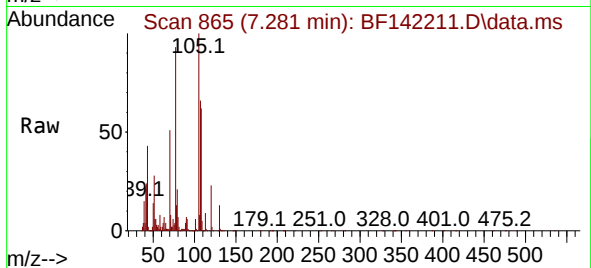
201 119.0 91.4 137.0



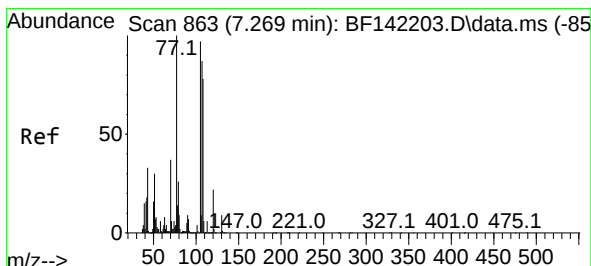
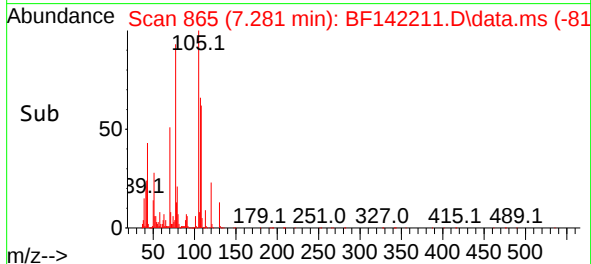
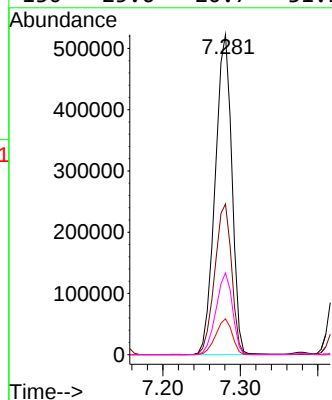


#19
n-Nitroso-di-n-propylamine
Concen: 45.515 ng
RT: 7.281 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Instrument :
BNA_F
ClientSampleId :

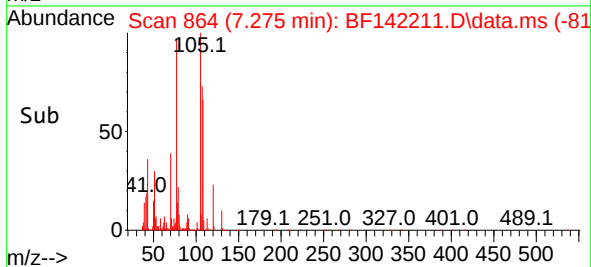
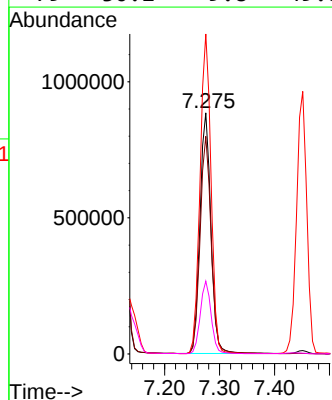
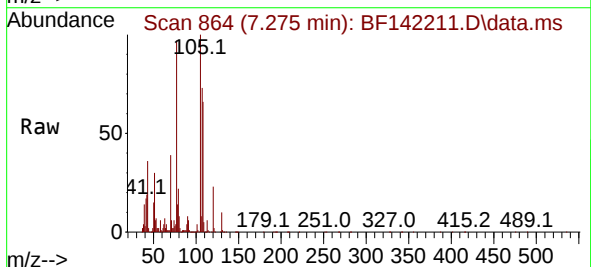


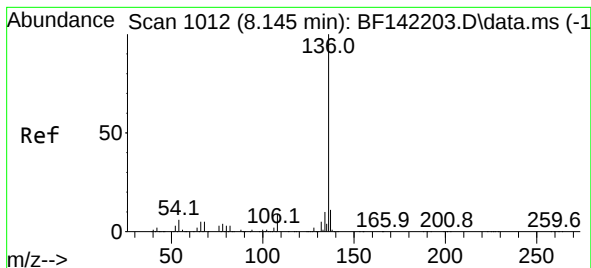
Tgt Ion: 70 Resp: 781891
Ion Ratio Lower Upper
70 100
42 47.1 37.4 56.0
101 11.2 8.6 13.0
130 25.6 20.7 31.1



#20
3+4-Methylphenols
Concen: 47.310 ng
RT: 7.275 min Scan# 864
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 107 Resp: 1229631
Ion Ratio Lower Upper
107 100
108 90.2 69.8 109.8
77 132.7 94.5 134.5
79 30.2 9.8 49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.006 min

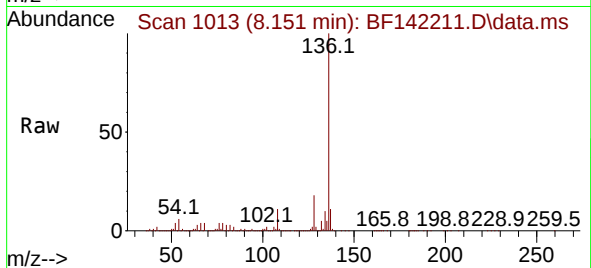
Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 1778060

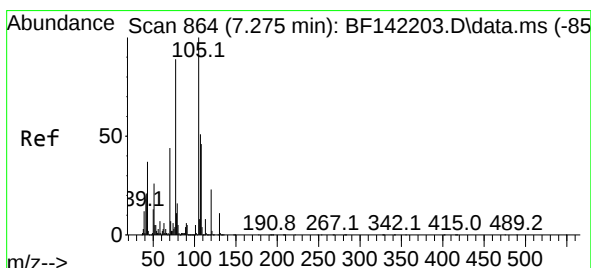
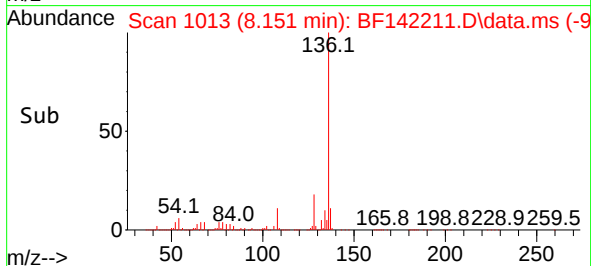
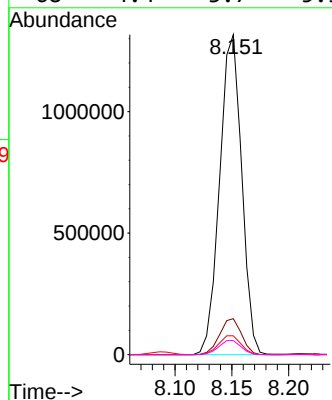
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.9 4.7 7.1

68 4.4 3.7 5.5



#22

Acetophenone

Concen: 43.101 ng

RT: 7.275 min Scan# 864

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Tgt Ion:105 Resp: 1682163

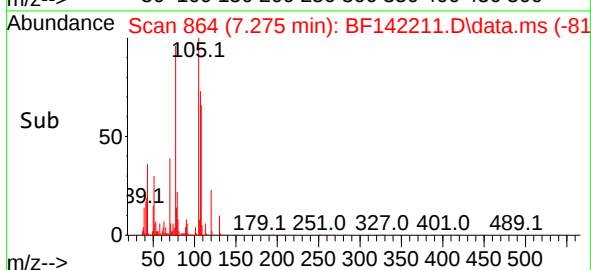
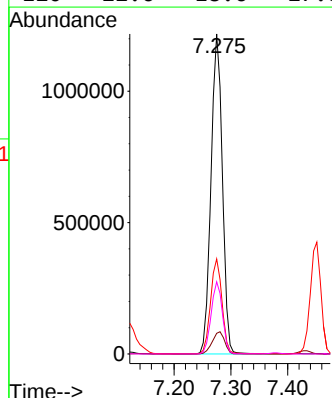
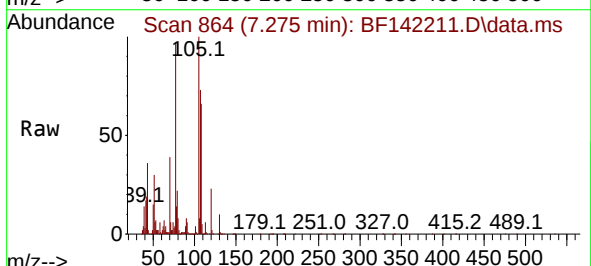
Ion Ratio Lower Upper

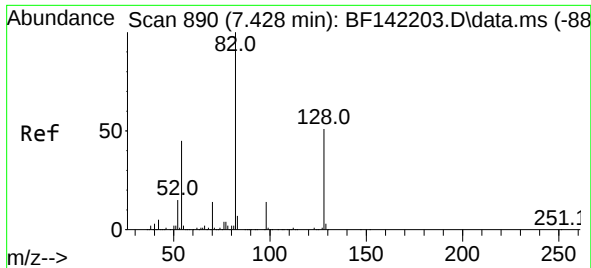
105 100

71 6.4 5.8 8.8

51 29.7 20.9 31.3

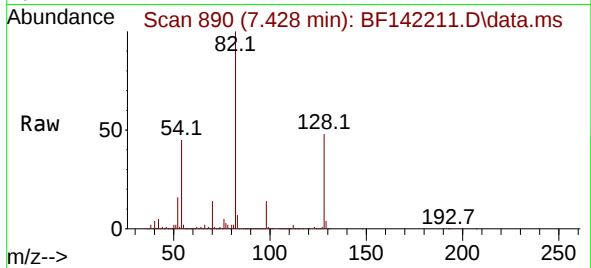
120 22.6 18.6 27.8



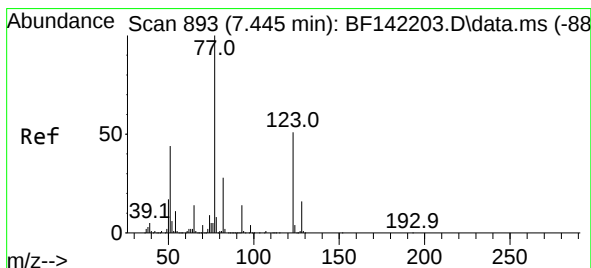
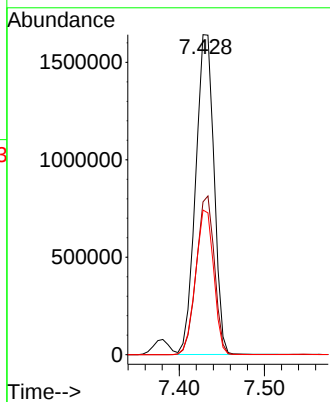
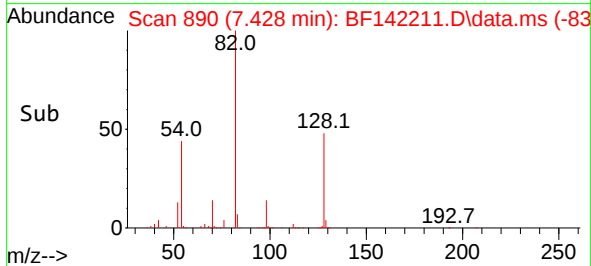


#23
Nitrobenzene-d5
Concen: 86.897 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

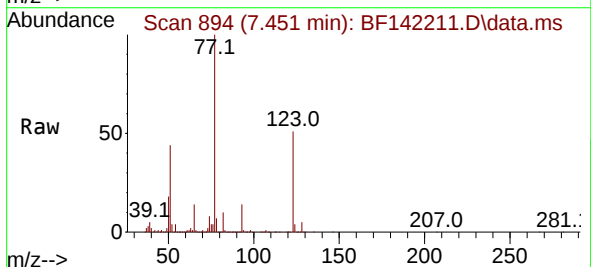
Instrument :
BNA_F
ClientSampleId :



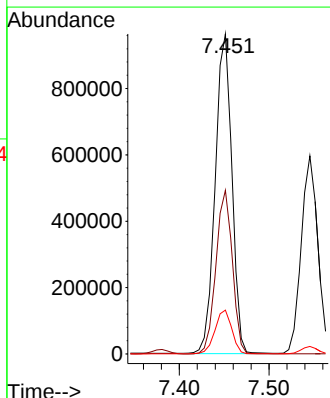
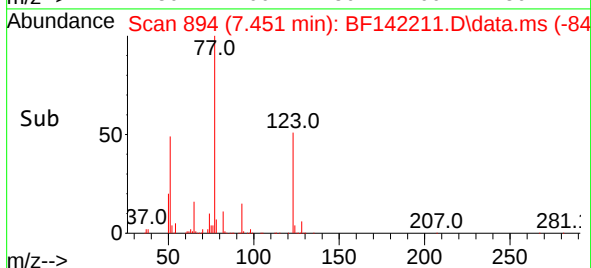
Tgt Ion: 82 Resp: 2460214
Ion Ratio Lower Upper
82 100
128 47.8 40.2 60.2
54 45.2 35.5 53.3

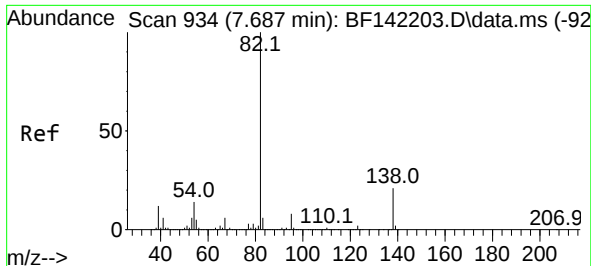


#24
Nitrobenzene
Concen: 44.387 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44



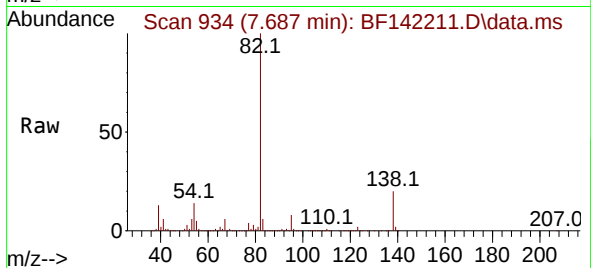
Tgt Ion: 77 Resp: 1244975
Ion Ratio Lower Upper
77 100
123 51.1 40.7 61.1
65 13.7 10.9 16.3



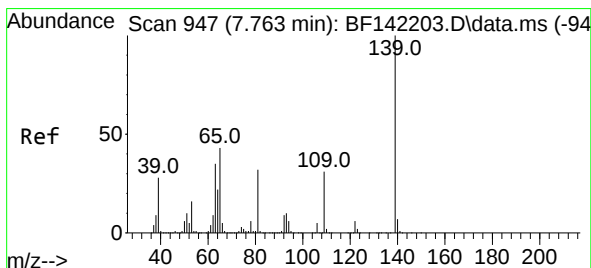
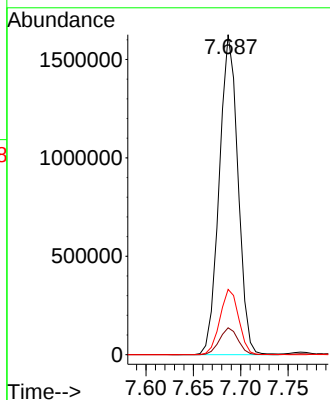
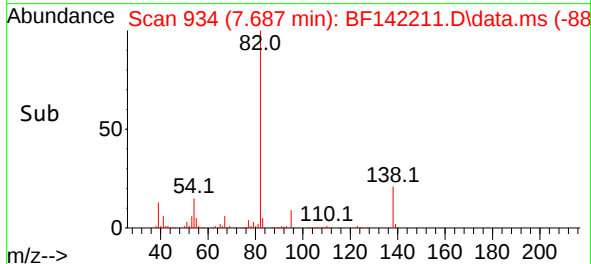


#25
Isophorone
Concen: 47.087 ng
RT: 7.687 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Instrument :
BNA_F
ClientSampleId :

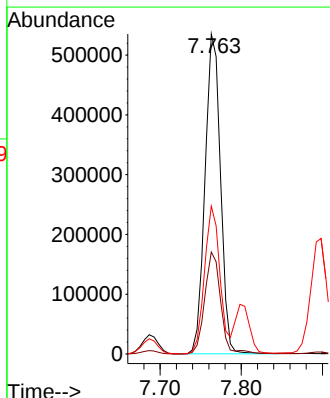
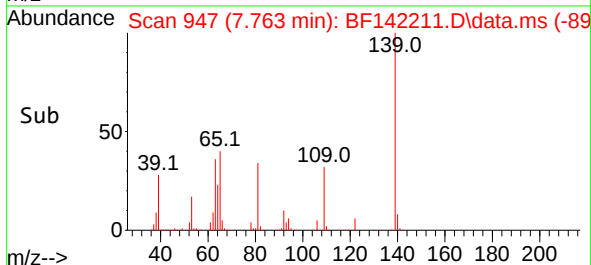
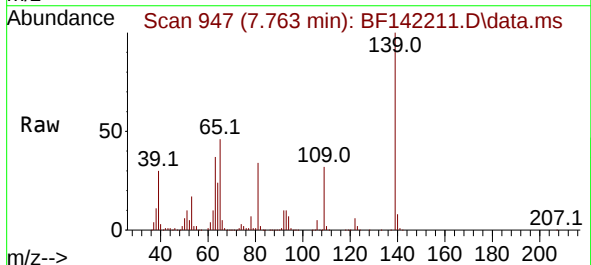


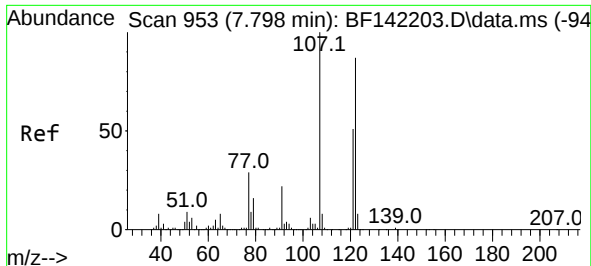
Tgt Ion: 82 Resp: 2237769
Ion Ratio Lower Upper
82 100
95 8.4 6.5 9.7
138 20.4 16.9 25.3



#26
2-Nitrophenol
Concen: 47.954 ng
RT: 7.763 min Scan# 947
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion: 139 Resp: 707013
Ion Ratio Lower Upper
139 100
109 31.9 24.4 36.6
65 46.2 34.2 51.2





#27

2,4-Dimethylphenol

Concen: 60.675 ng

RT: 7.804 min Scan# 91

Delta R.T. 0.006 min

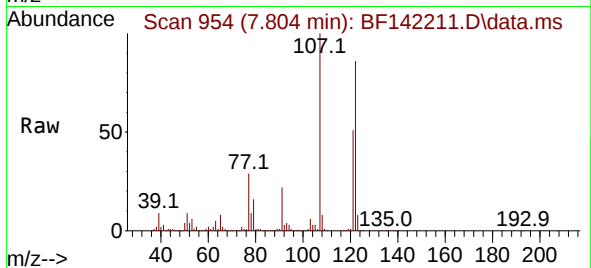
Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

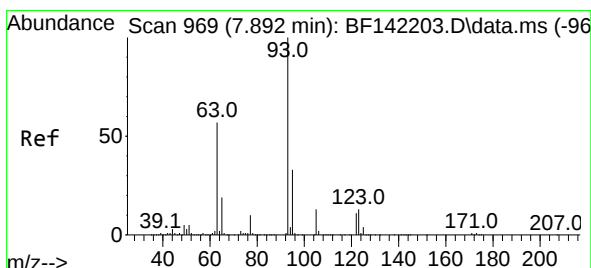
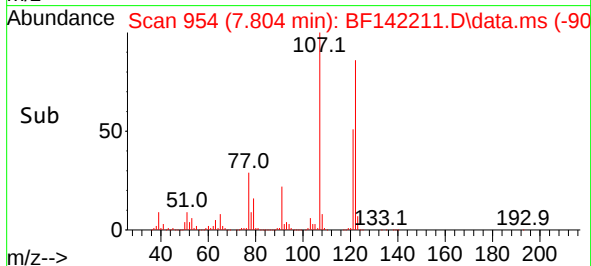
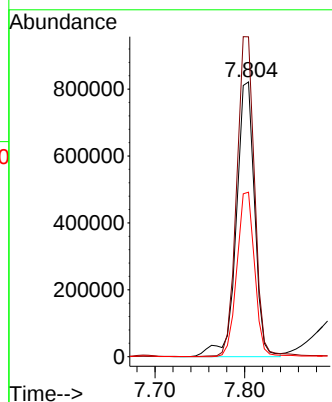
BNA_F

ClientSampleId :



Tgt Ion:122 Resp: 1163165

Ion	Ratio	Lower	Upper
122	100		
107	116.5	91.6	137.4
121	59.9	46.7	70.1



#28

bis(2-Chloroethoxy)methane

Concen: 44.723 ng

RT: 7.898 min Scan# 970

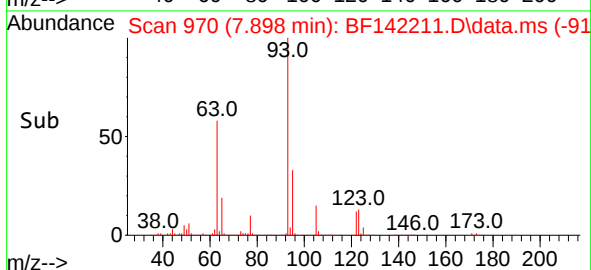
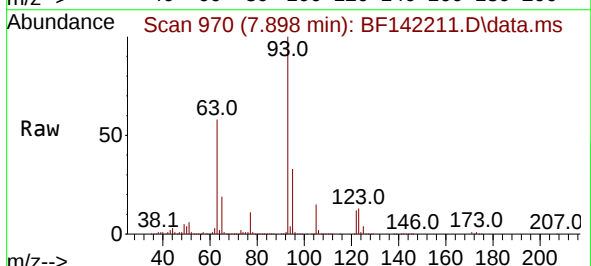
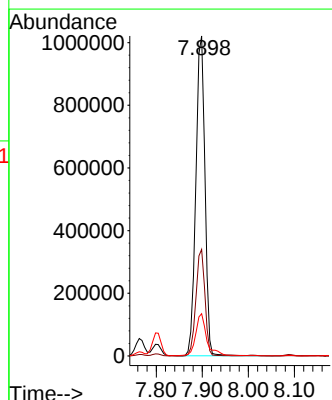
Delta R.T. 0.006 min

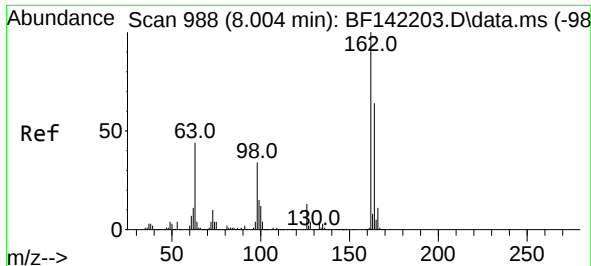
Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Tgt Ion: 93 Resp: 1394963

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.3	39.5
123	13.2	10.9	16.3





#29

2,4-Dichlorophenol

Concen: 43.346 ng

RT: 8.010 min Scan# 988

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

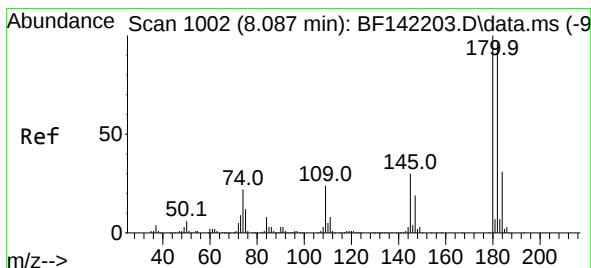
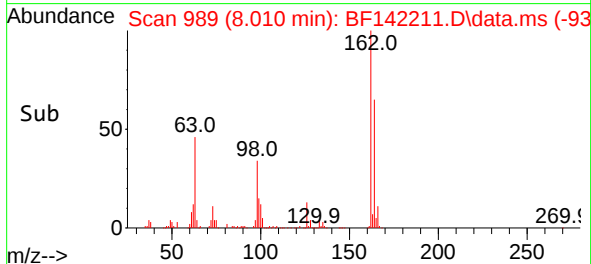
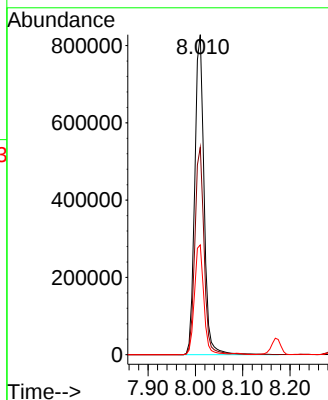
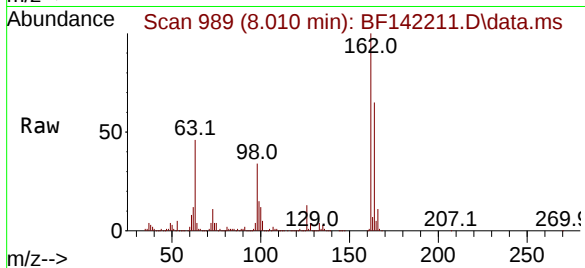
Tgt Ion:162 Resp: 1130146

Ion Ratio Lower Upper

162 100

164 64.8 44.2 84.2

98 34.3 13.8 53.8



#30

1,2,4-Trichlorobenzene

Concen: 42.830 ng

RT: 8.087 min Scan# 1002

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

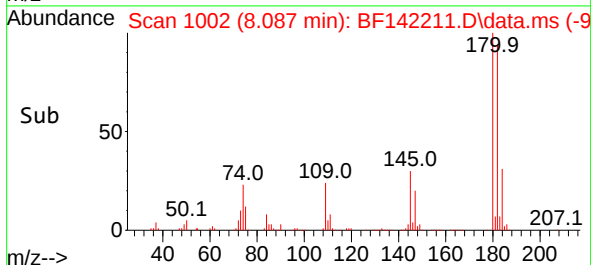
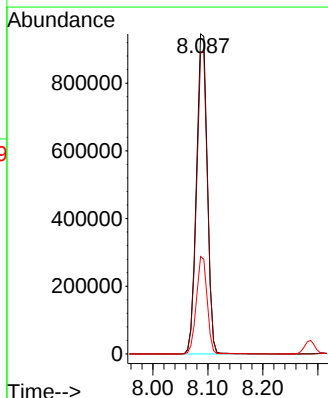
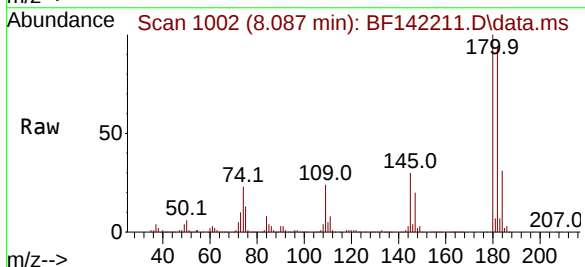
Tgt Ion:180 Resp: 1305890

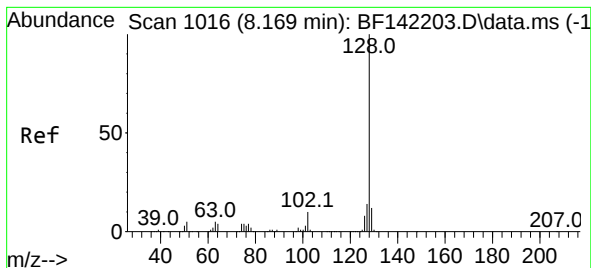
Ion Ratio Lower Upper

180 100

182 94.1 77.0 115.4

145 30.4 24.3 36.5





#31

Naphthalene

Concen: 42.776 ng

RT: 8.169 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

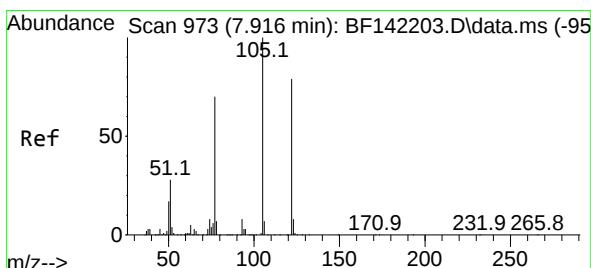
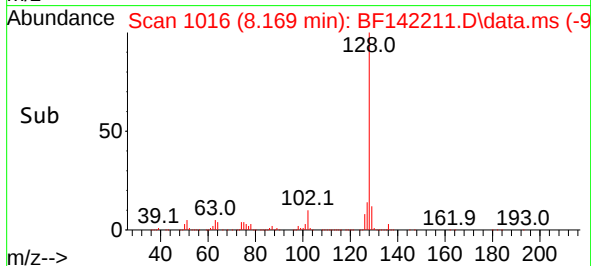
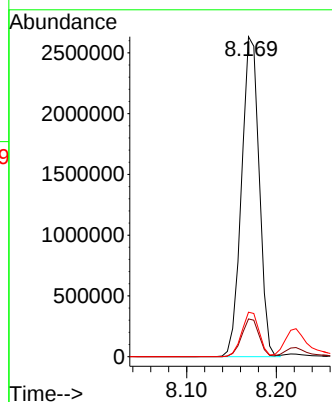
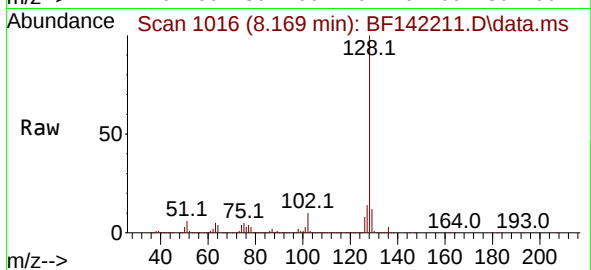
Tgt Ion:128 Resp: 3592861

Ion Ratio Lower Upper

128 100

129 11.8 9.6 14.4

127 13.9 11.4 17.0



#32

Benzoic acid

Concen: 40.893 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.012 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

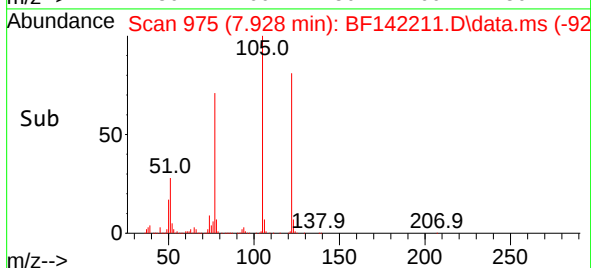
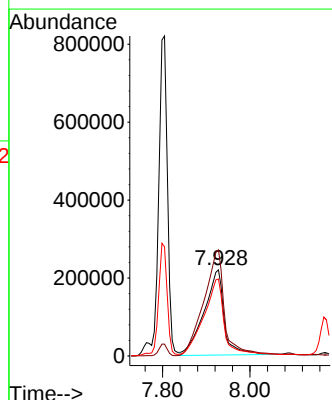
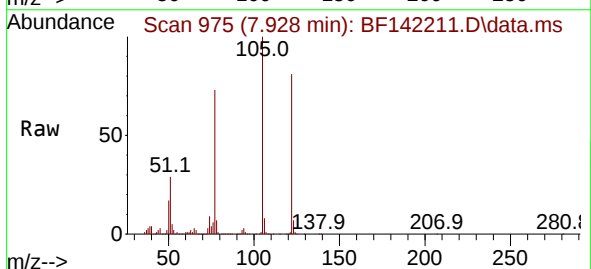
Tgt Ion:122 Resp: 703546

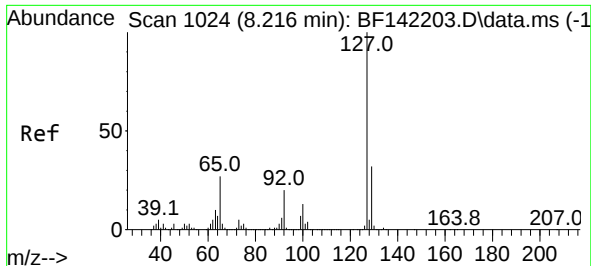
Ion Ratio Lower Upper

122 100

105 123.2 101.5 141.5

77 89.4 66.6 106.6

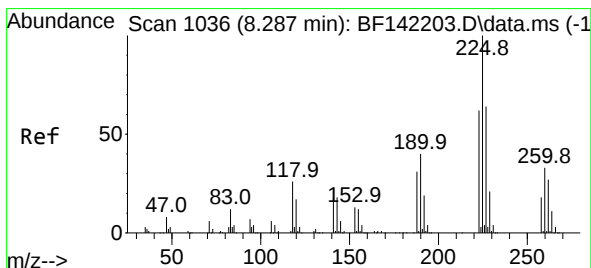
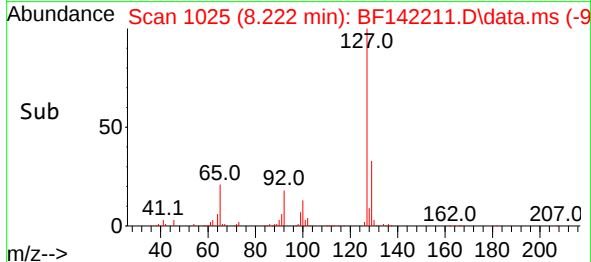
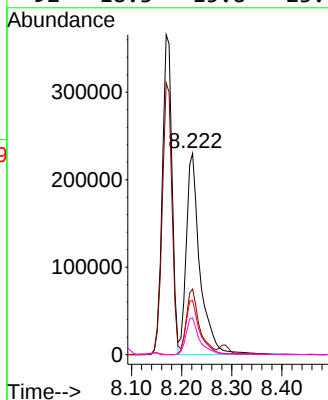
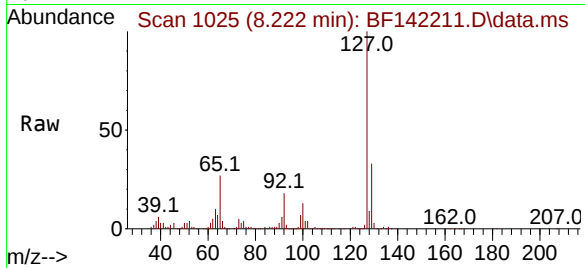




#33
4-Chloroaniline
Concen: 14.315 ng
RT: 8.222 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

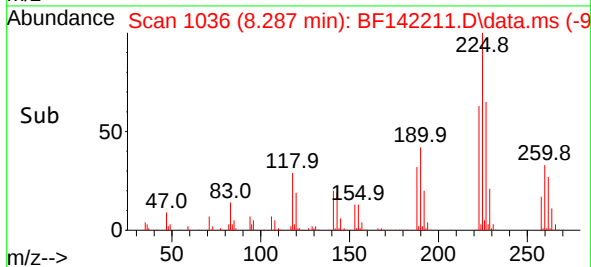
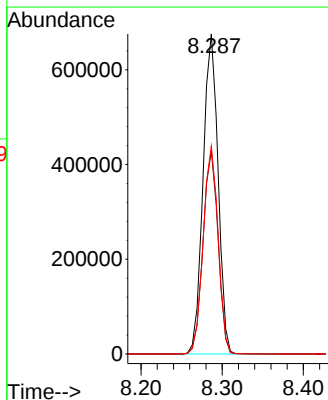
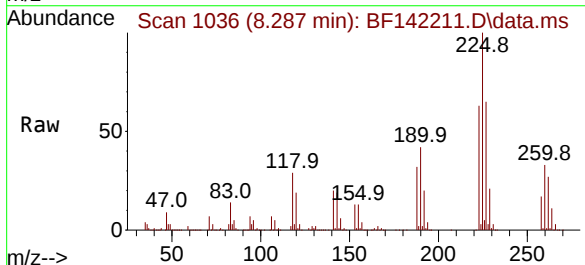
Instrument :
BNA_F
ClientSampleId :

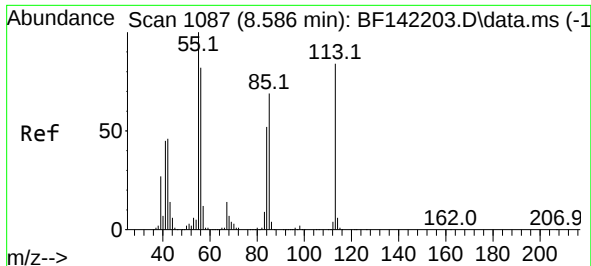
Tgt Ion:	127	Resp:	435377
Ion Ratio	Lower	Upper	
127	100		
129	32.6	25.9	38.9
65	26.9	21.8	32.6
92	18.3	15.8	23.6



#34
Hexachlorobutadiene
Concen: 42.938 ng
RT: 8.287 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

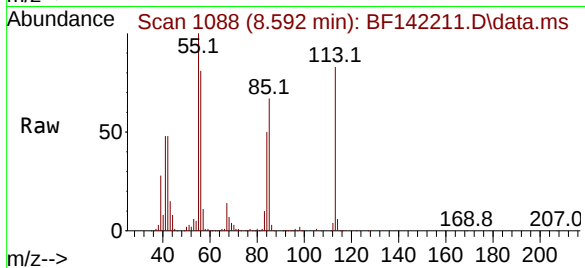
Tgt Ion:	225	Resp:	863956
Ion Ratio	Lower	Upper	
225	100		
223	63.3	49.4	74.2
227	65.0	51.4	77.2



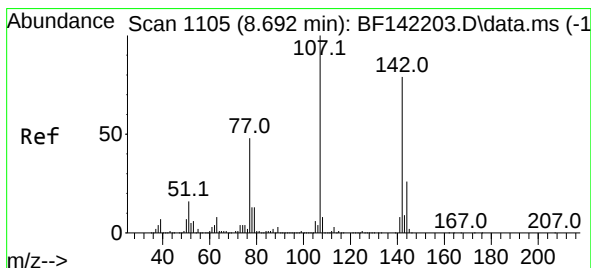
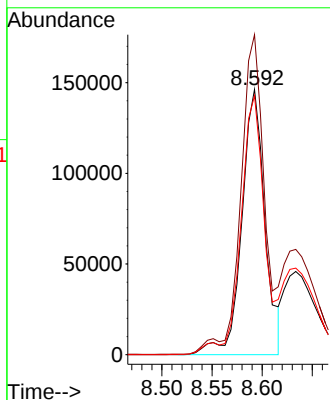
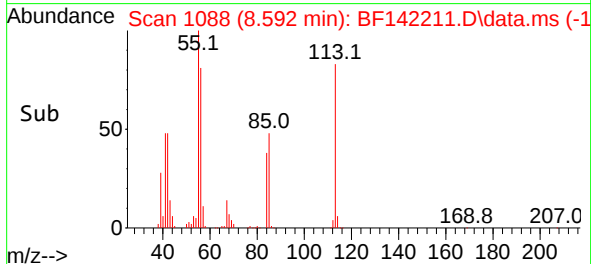


#35
 Caprolactam
 Concen: 33.685 ng
 RT: 8.592 min Scan# 1108
 Delta R.T. 0.006 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Instrument :
 BNA_F
 ClientSampleId :

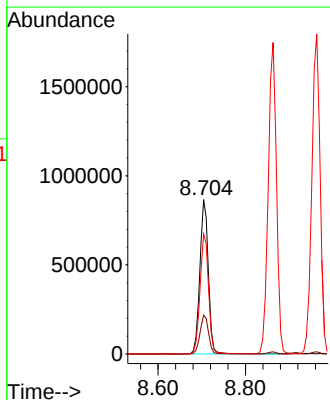
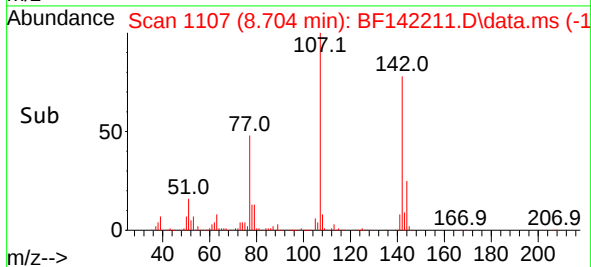
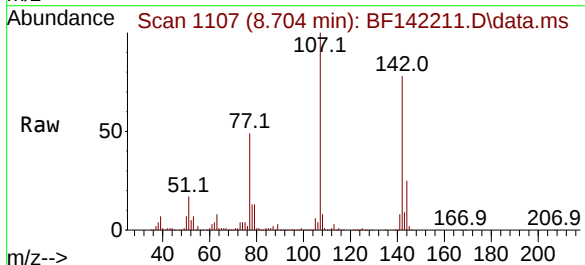


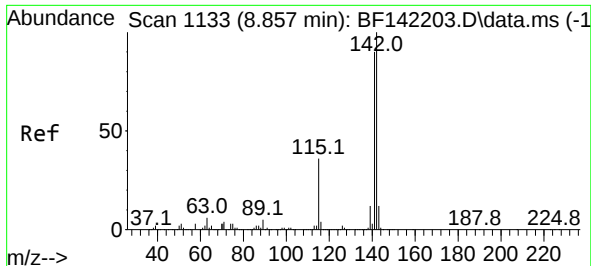
Tgt Ion:113 Resp: 234291
 Ion Ratio Lower Upper
 113 100
 55 120.7 99.5 139.5
 56 97.7 78.1 118.1



#36
 4-Chloro-3-methylphenol
 Concen: 44.414 ng
 RT: 8.704 min Scan# 1107
 Delta R.T. 0.012 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Tgt Ion:107 Resp: 1165678
 Ion Ratio Lower Upper
 107 100
 144 25.2 20.6 30.8
 142 77.8 63.2 94.8

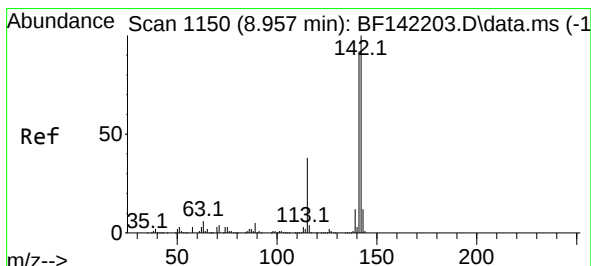
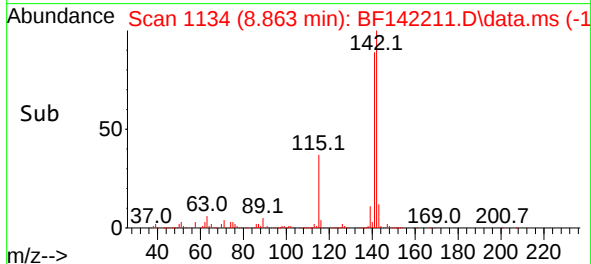
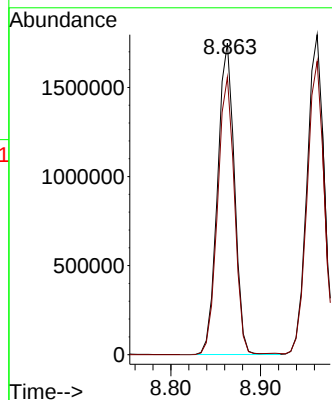
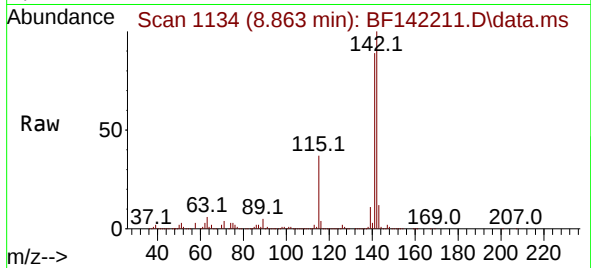




#37
2-Methylnaphthalene
Concen: 39.307 ng
RT: 8.863 min Scan# 1133
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

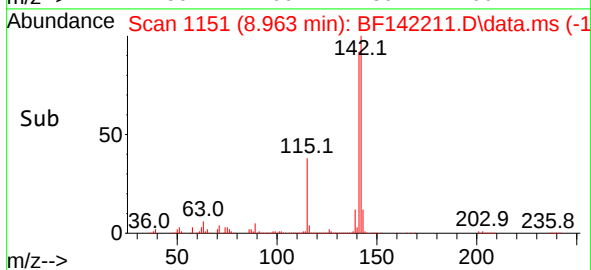
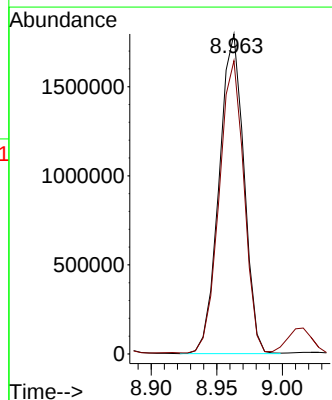
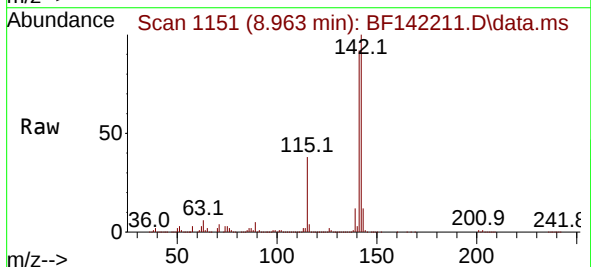
Instrument :
BNA_F
ClientSampleId :

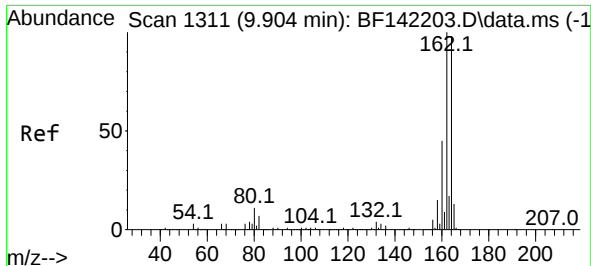
Tgt Ion:142 Resp: 2281698
Ion Ratio Lower Upper
142 100
141 89.1 71.9 107.9



#38
1-Methylnaphthalene
Concen: 41.979 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

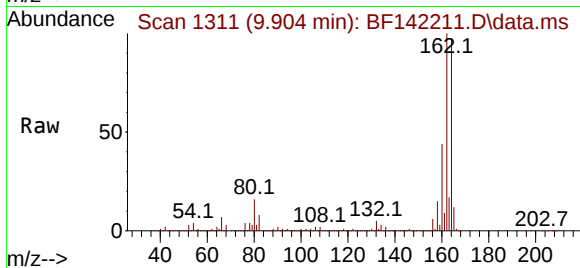
Tgt Ion:142 Resp: 2359383
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9



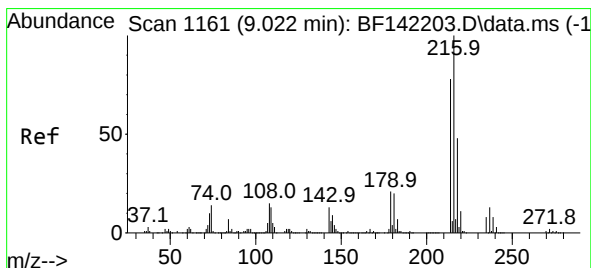
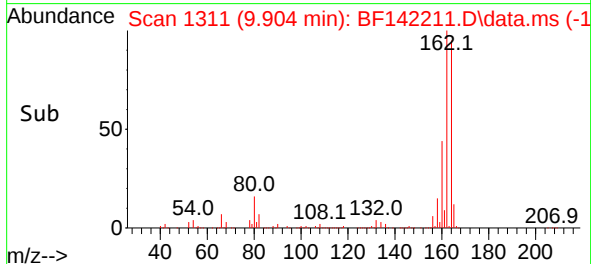
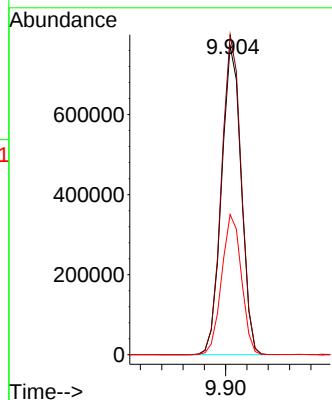


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Instrument :
BNA_F
ClientSampleId :

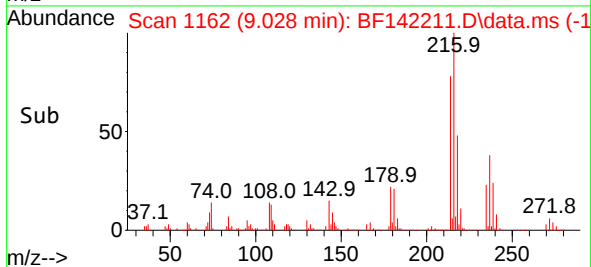
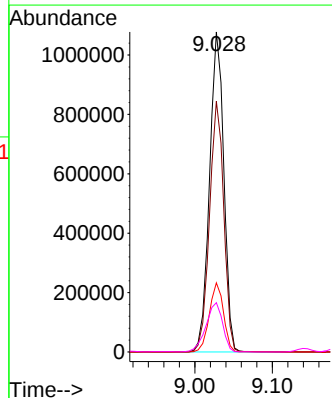
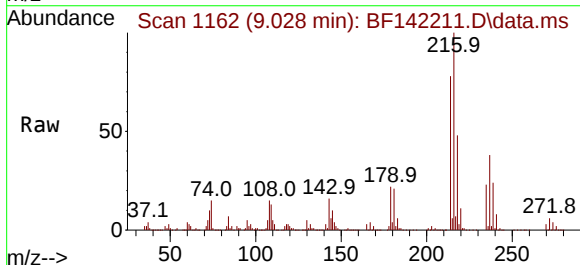


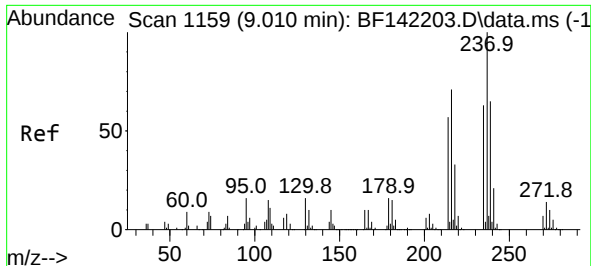
Tgt Ion:164 Resp: 986845
Ion Ratio Lower Upper
164 100
162 103.6 81.9 122.9
160 45.4 36.8 55.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.752 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

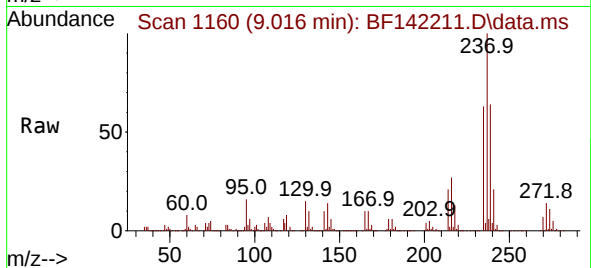
Tgt Ion:216 Resp: 1380442
Ion Ratio Lower Upper
216 100
214 78.1 62.7 94.1
179 21.4 16.7 25.1
108 18.0 12.2 18.2



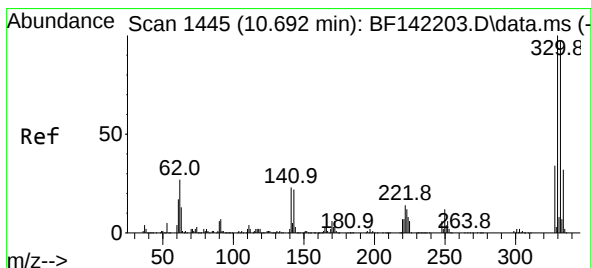
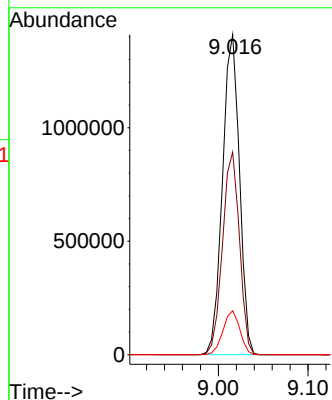
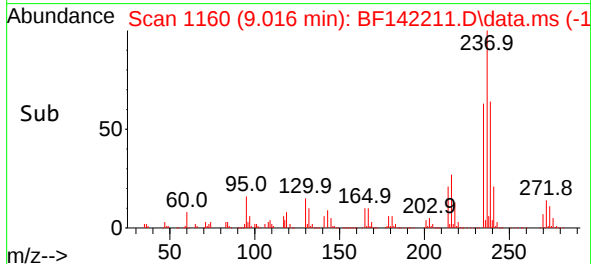


#41
Hexachlorocyclopentadiene
Concen: 186.881 ng
RT: 9.016 min Scan# 1160
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

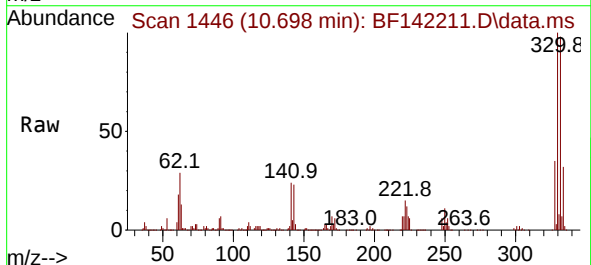
Instrument :
BNA_F
ClientSampleId :



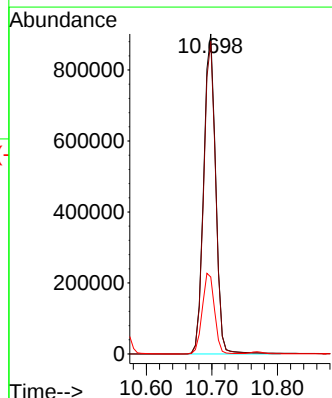
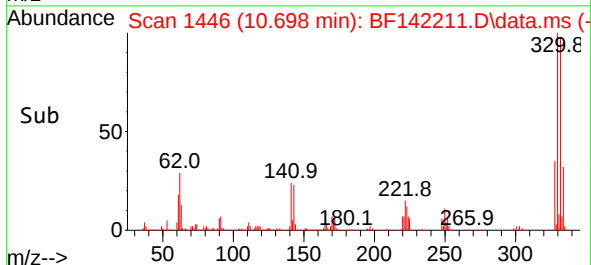
Tgt Ion:237 Resp: 1850364
Ion Ratio Lower Upper
237 100
235 63.3 42.6 82.6
272 13.7 0.0 33.6

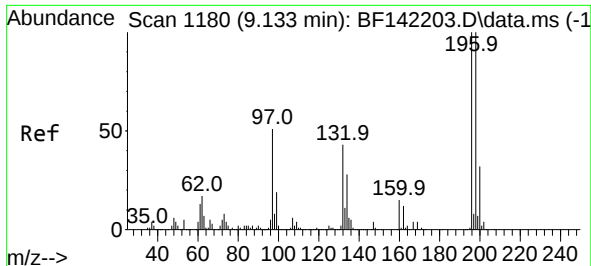


#42
2,4,6-Tribromophenol
Concen: 85.136 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44



Tgt Ion:330 Resp: 1148721
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 25.8 18.9 28.3





#43

2,4,6-Trichlorophenol

Concen: 46.193 ng

RT: 9.139 min Scan# 1180

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

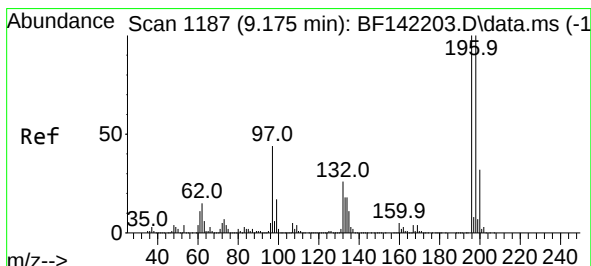
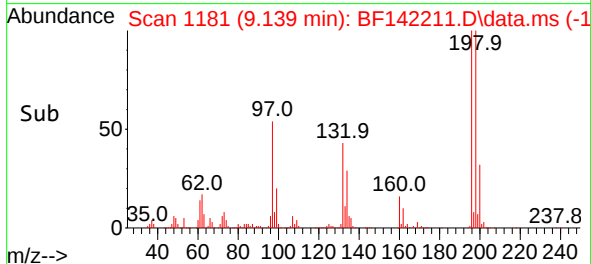
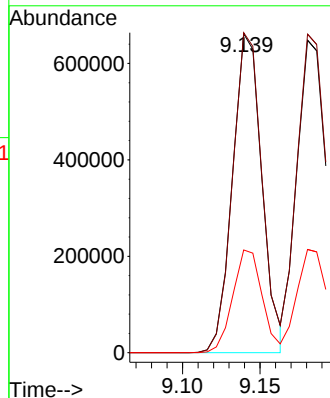
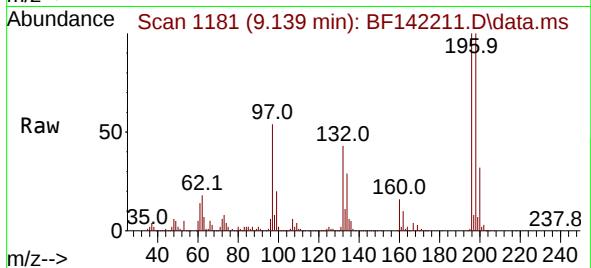
Tgt Ion:196 Resp: 870794

Ion Ratio Lower Upper

196 100

198 100.4 80.0 120.0

200 32.2 25.6 38.4



#44

2,4,5-Trichlorophenol

Concen: 44.363 ng

RT: 9.181 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Tgt Ion:196 Resp: 896425

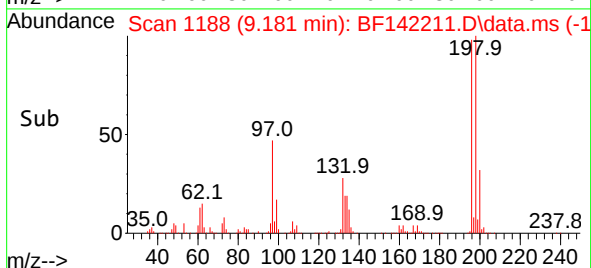
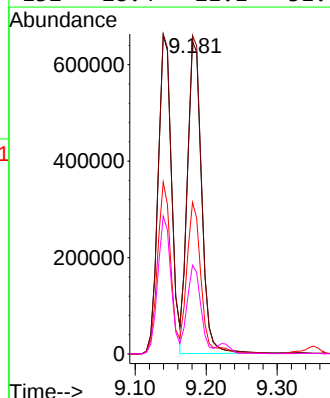
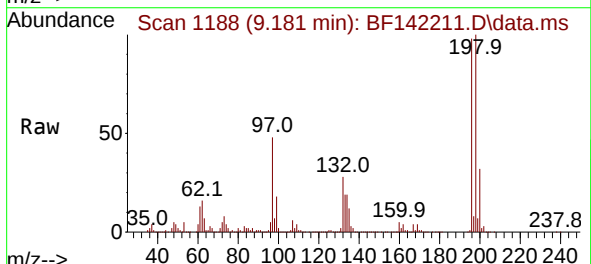
Ion Ratio Lower Upper

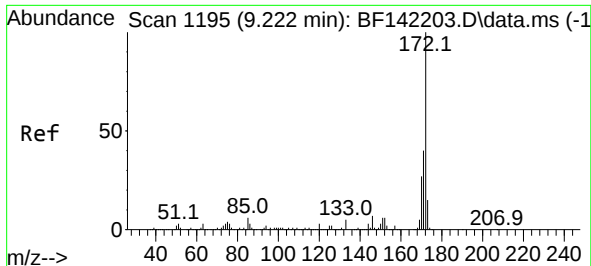
196 100

198 101.9 80.0 120.0

97 48.5 35.9 53.9

132 28.4 21.1 31.7

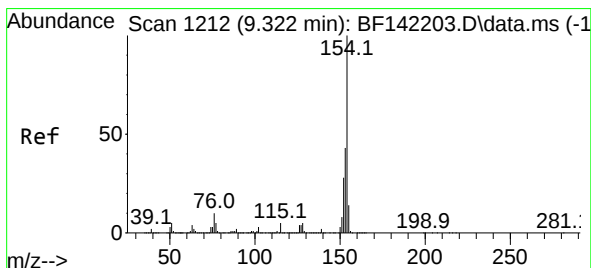
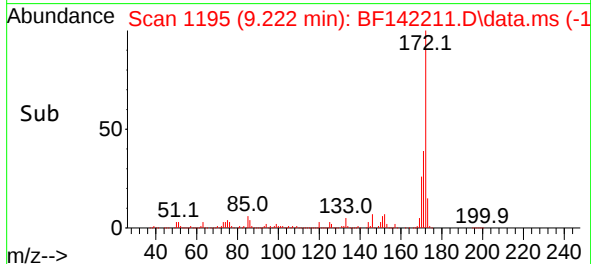
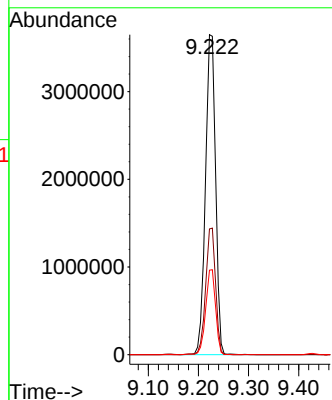
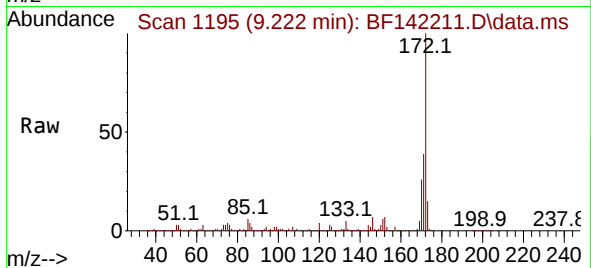




#45
2-Fluorobiphenyl
Concen: 84.608 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

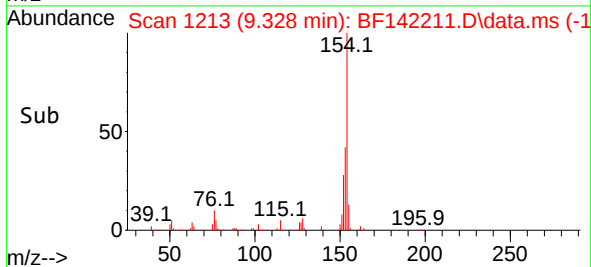
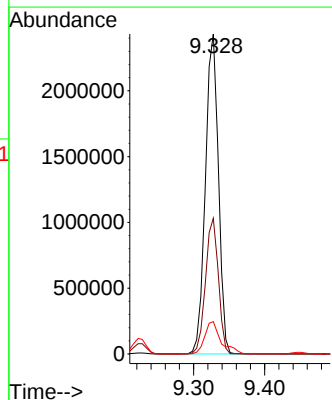
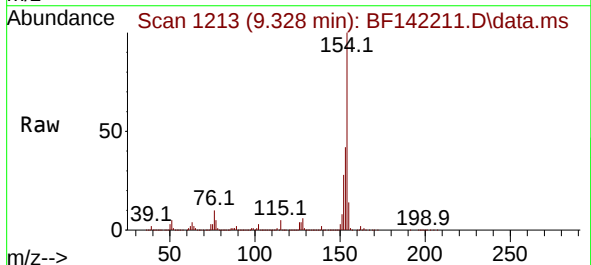
Instrument :
BNA_F
ClientSampleId :

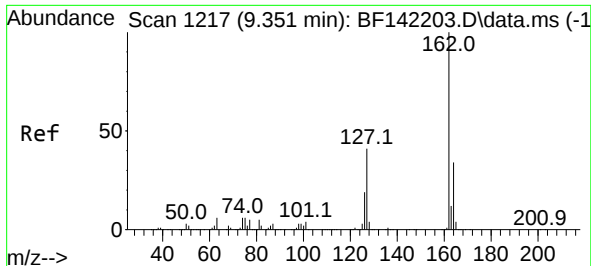
Tgt Ion:172 Resp: 5122626
Ion Ratio Lower Upper
172 100
171 39.3 32.1 48.1
170 26.4 21.4 32.0



#46
1,1'-Biphenyl
Concen: 43.870 ng
RT: 9.328 min Scan# 1213
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:154 Resp: 3104406
Ion Ratio Lower Upper
154 100
153 42.4 22.5 62.5
76 10.1 0.0 30.4





#47

2-Chloronaphthalene

Concen: 44.296 ng

RT: 9.351 min Scan# 1217

Delta R.T. 0.000 min

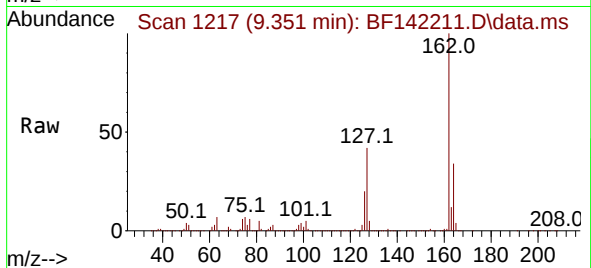
Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :



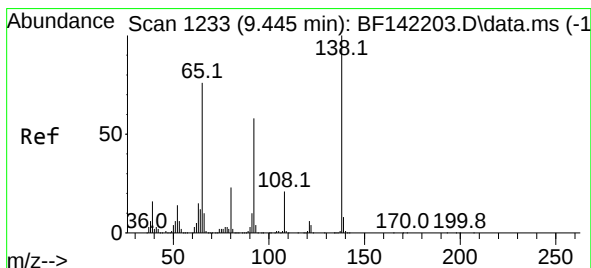
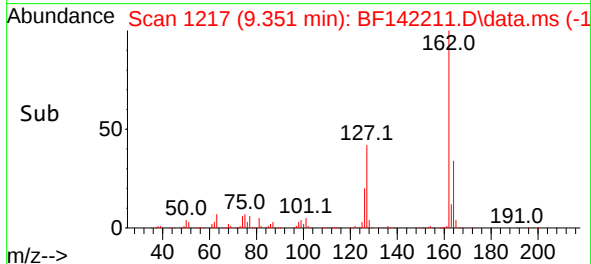
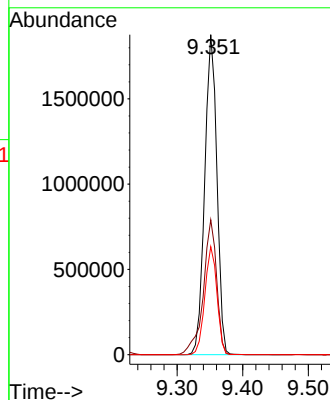
Tgt Ion:162 Resp: 2433061

Ion Ratio Lower Upper

162 100

127 42.1 33.1 49.7

164 33.7 27.1 40.7



#48

2-Nitroaniline

Concen: 47.329 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

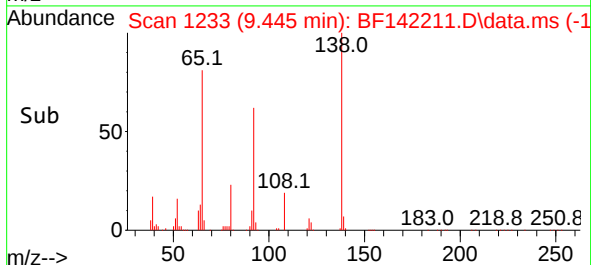
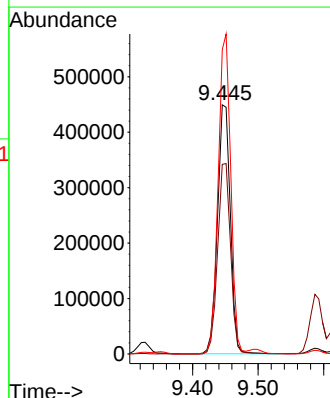
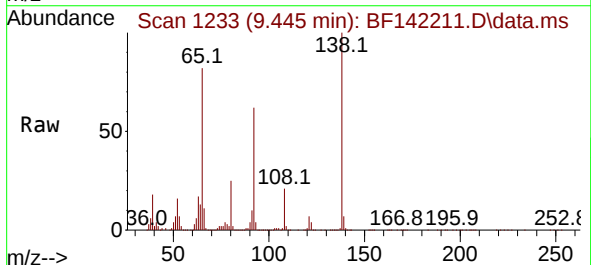
Tgt Ion: 65 Resp: 609375

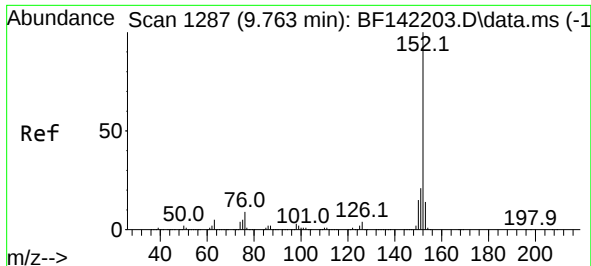
Ion Ratio Lower Upper

65 100

92 76.1 61.4 92.0

138 122.2 105.8 158.6





#49

Acenaphthylene

Concen: 47.063 ng

RT: 9.769 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

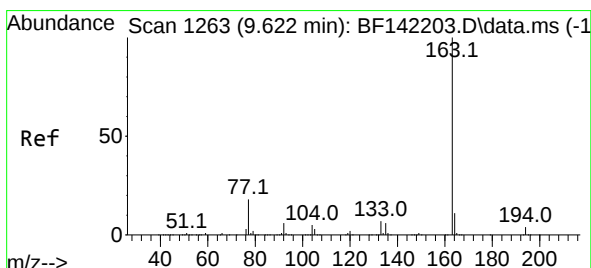
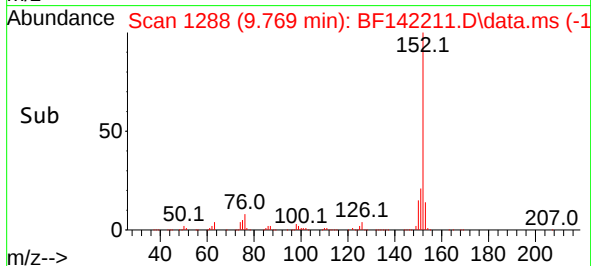
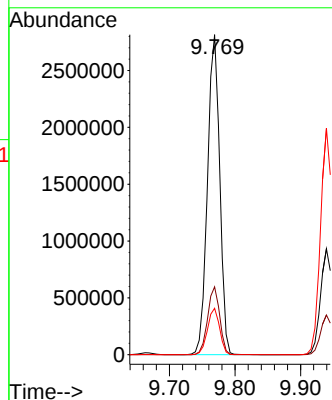
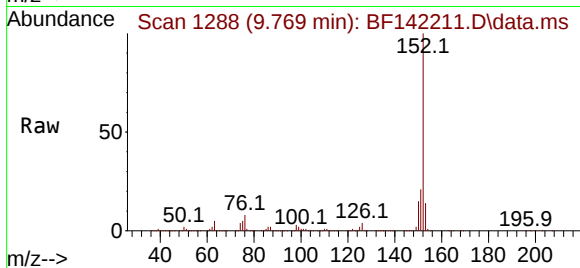
Tgt Ion:152 Resp: 3653876

Ion Ratio Lower Upper

152 100

151 21.2 16.9 25.3

153 14.5 11.6 17.4



#50

Dimethylphthalate

Concen: 44.827 ng

RT: 9.628 min Scan# 1264

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

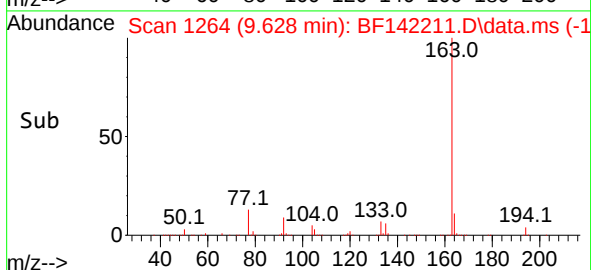
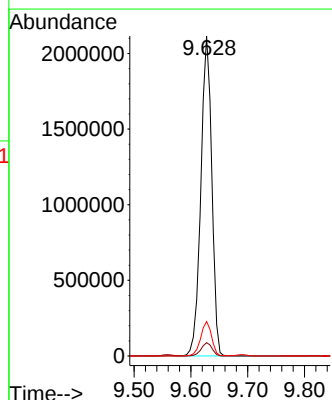
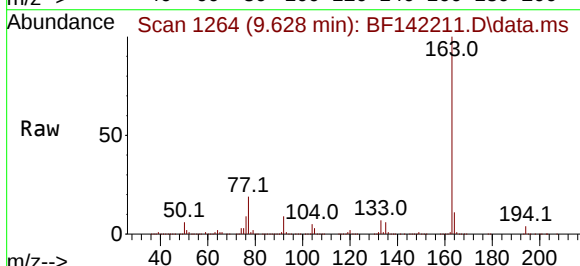
Tgt Ion:163 Resp: 2836336

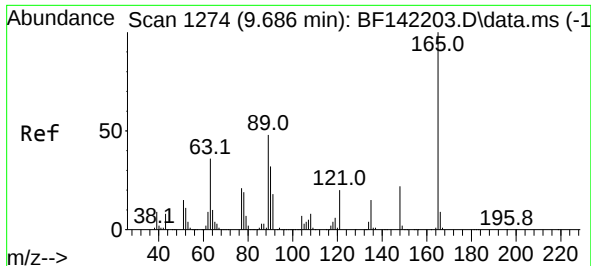
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.8 8.6 12.8

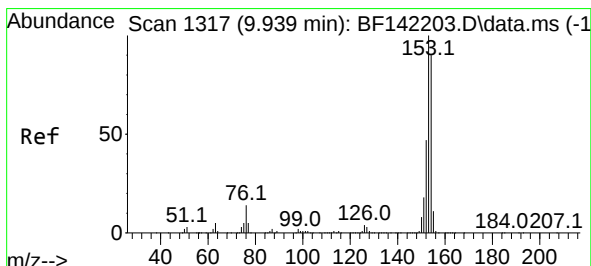
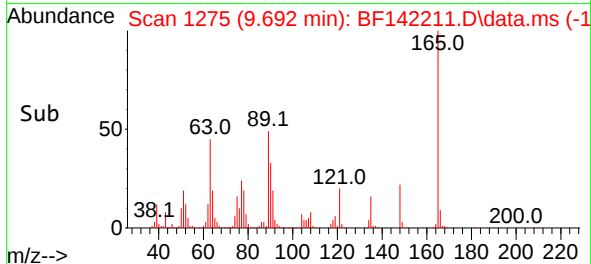
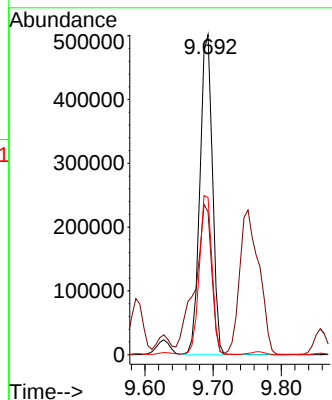
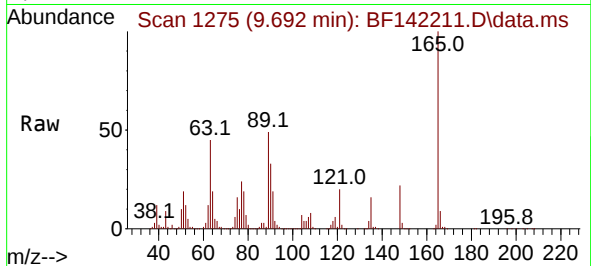




#51
2,6-Dinitrotoluene
Concen: 45.153 ng
RT: 9.692 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

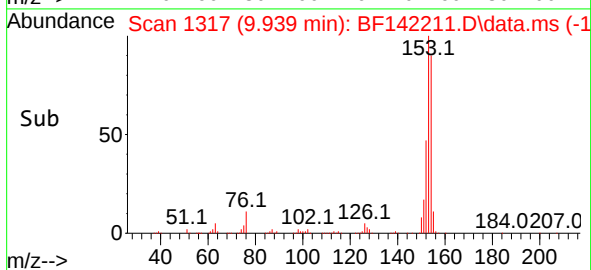
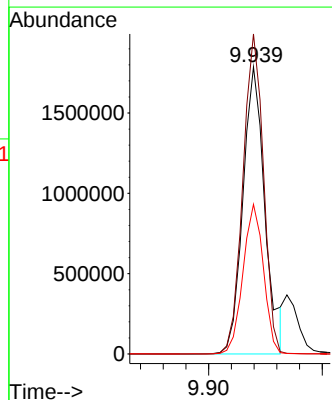
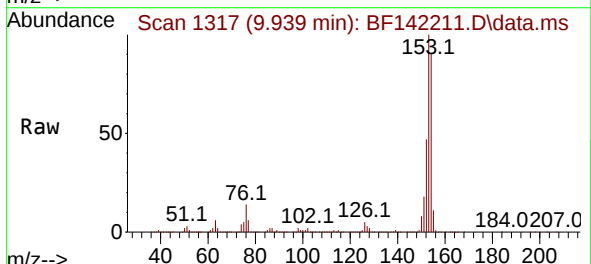
Instrument :
BNA_F
ClientSampleId :

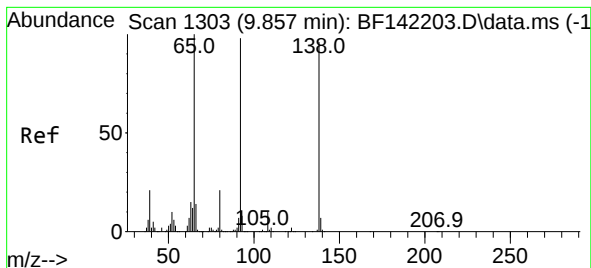
Tgt Ion:165 Resp: 641418
Ion Ratio Lower Upper
165 100
63 44.7 35.4 53.2
89 49.2 38.6 58.0



#52
Acenaphthene
Concen: 42.820 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:154 Resp: 2395648
Ion Ratio Lower Upper
154 100
153 111.5 89.0 133.4
152 52.1 41.8 62.8





#53

3-Nitroaniline

Concen: 21.261 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

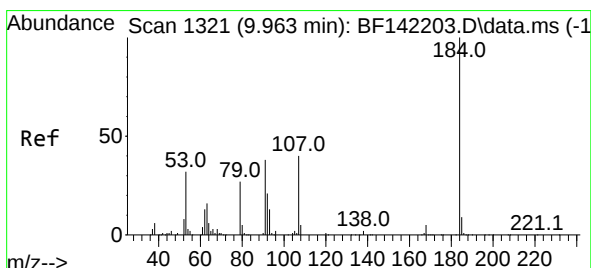
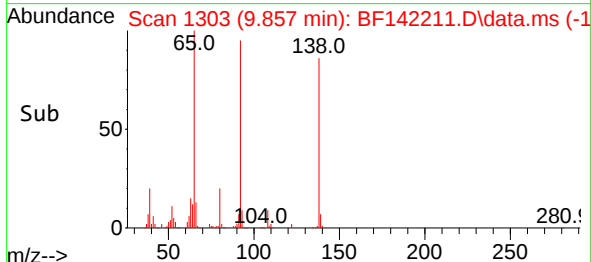
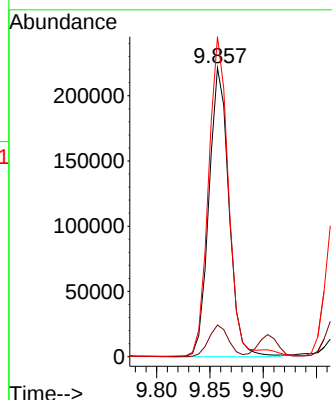
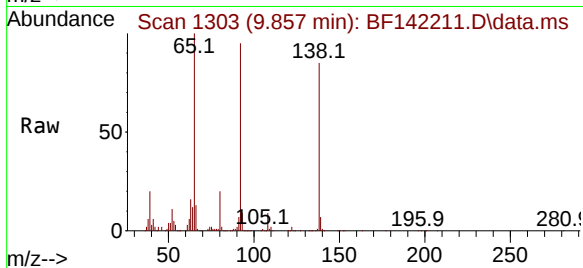
Tgt Ion:138 Resp: 289393

Ion Ratio Lower Upper

138 100

108 11.0 8.5 12.7

92 110.8 81.8 122.8



#54

2,4-Dinitrophenol

Concen: 112.869 ng

RT: 9.969 min Scan# 1322

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

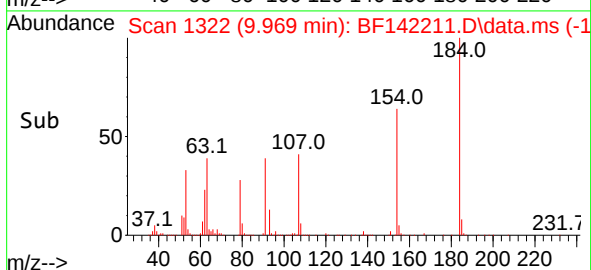
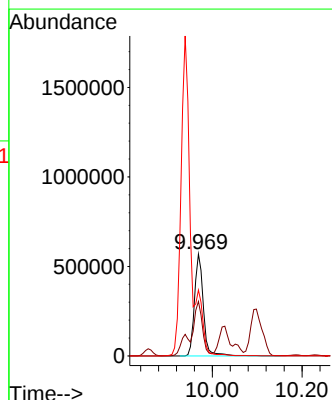
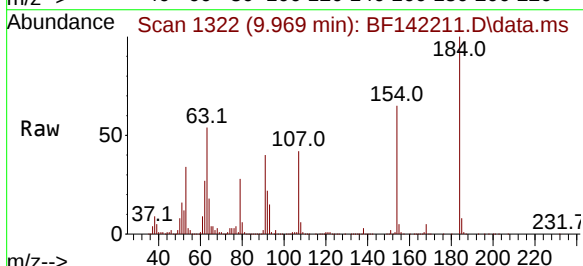
Tgt Ion:184 Resp: 785295

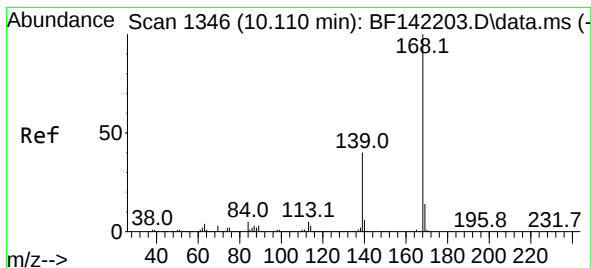
Ion Ratio Lower Upper

184 100

63 53.5 39.0 58.4

154 64.6 52.2 78.4





#55

Dibenzenofuran

Concen: 42.657 ng

RT: 10.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

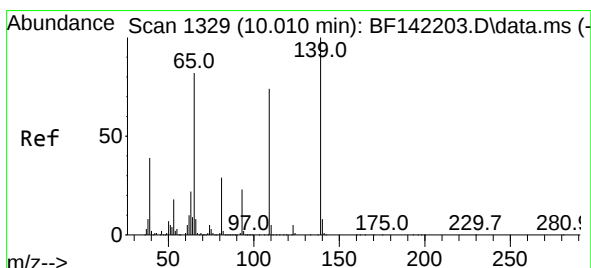
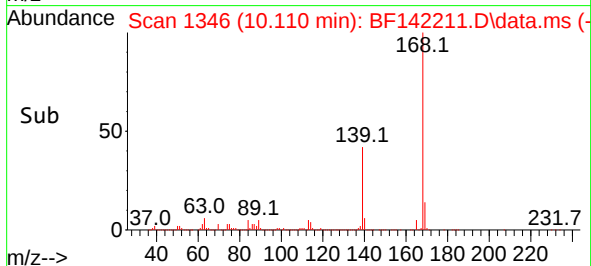
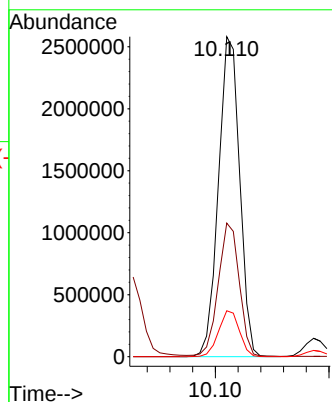
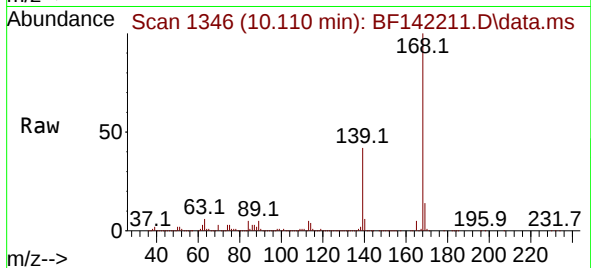
Tgt Ion:168 Resp: 3345770

Ion Ratio Lower Upper

168 100

139 41.7 32.3 48.5

169 14.4 11.4 17.0



#56

4-Nitrophenol

Concen: 91.942 ng

RT: 10.028 min Scan# 1332

Delta R.T. 0.018 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

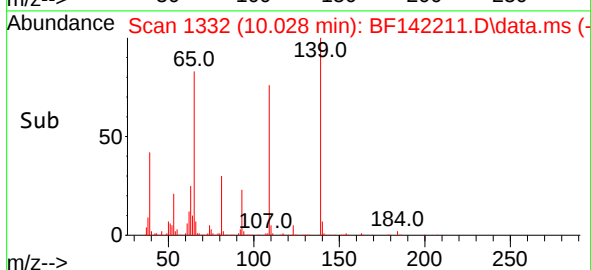
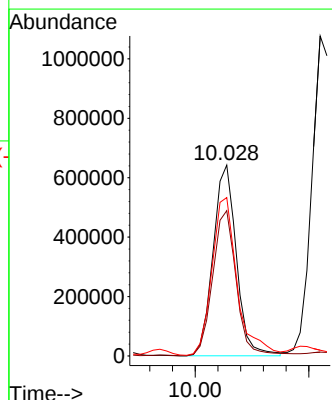
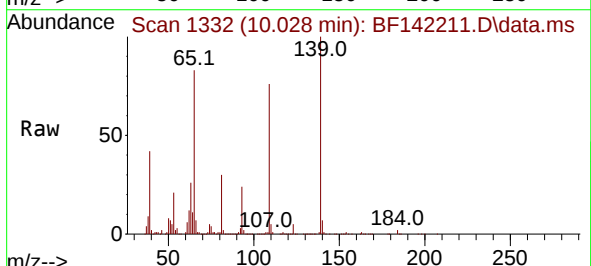
Tgt Ion:139 Resp: 915444

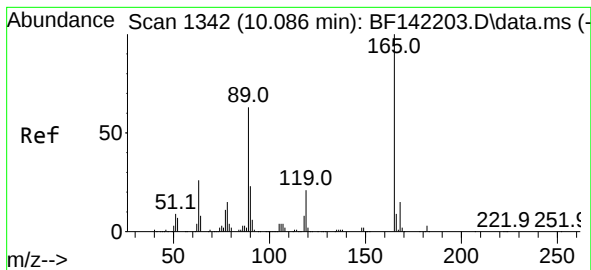
Ion Ratio Lower Upper

139 100

109 76.1 54.1 94.1

65 82.9 62.1 102.1

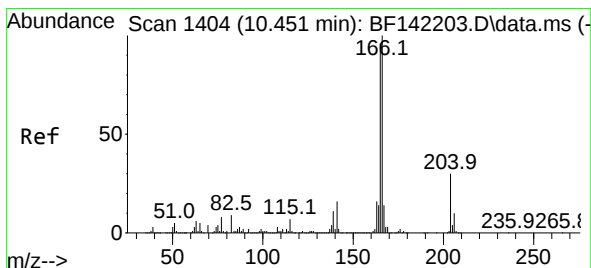
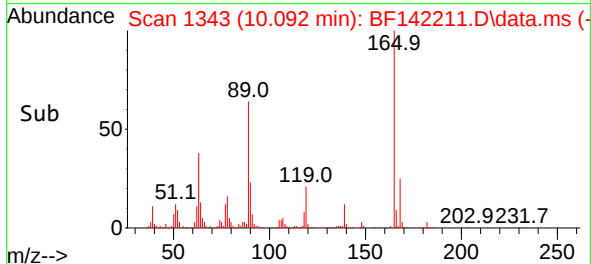
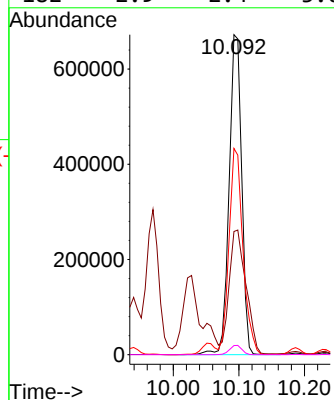
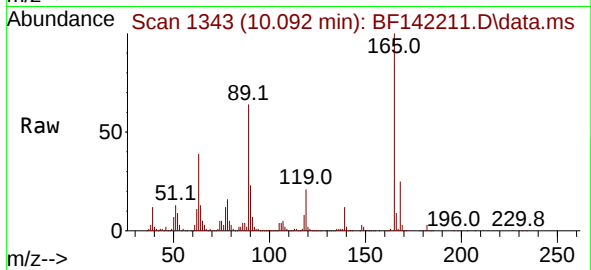




#57
2,4-Dinitrotoluene
Concen: 48.619 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

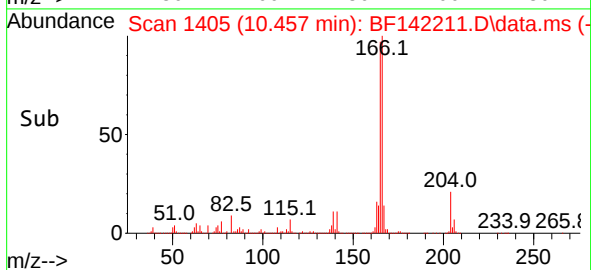
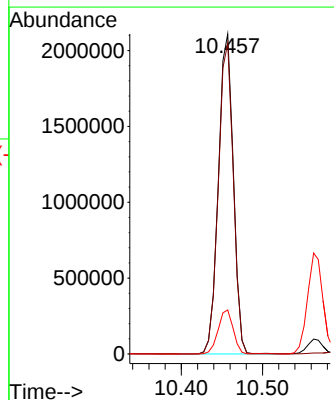
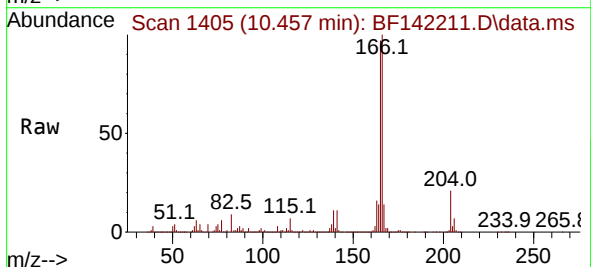
Instrument :
BNA_F
ClientSampleId :

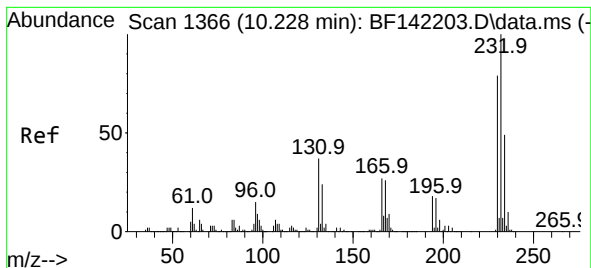
Tgt Ion:165 Resp: 892061
Ion Ratio Lower Upper
165 100
63 38.5 29.0 43.6
89 64.4 50.1 75.1
182 2.9 2.4 3.6



#58
Fluorene
Concen: 44.502 ng
RT: 10.457 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

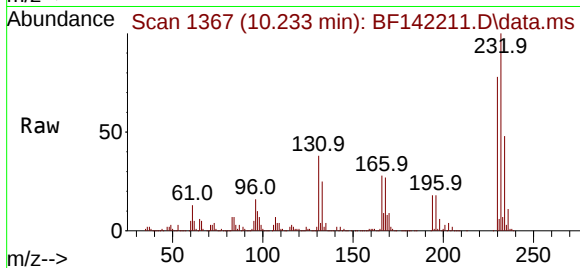
Tgt Ion:166 Resp: 2700086
Ion Ratio Lower Upper
166 100
165 97.1 77.1 115.7
167 13.8 11.0 16.4



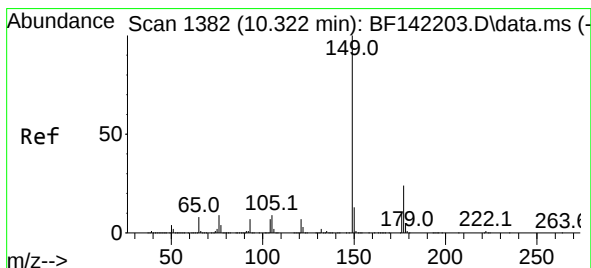
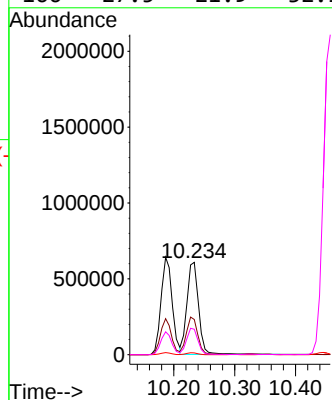
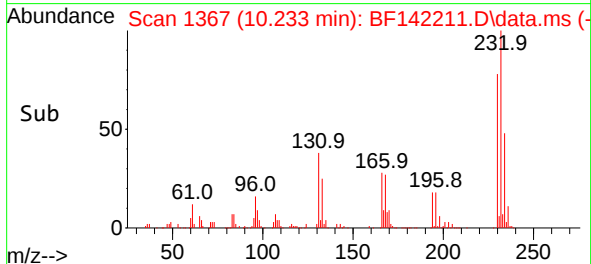


#59
2,3,4,6-Tetrachlorophenol
Concen: 44.922 ng
RT: 10.233 min Scan# 1367
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

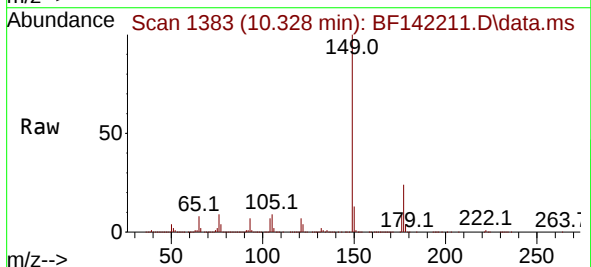
Instrument :
BNA_F
ClientSampleId :



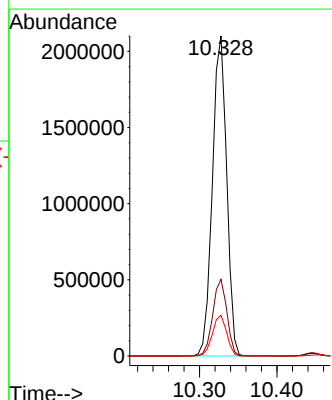
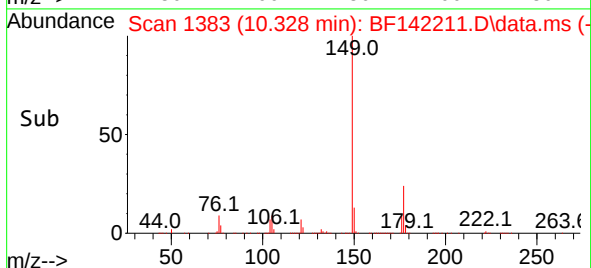
Tgt Ion:232 Resp: 811524
Ion Ratio Lower Upper
232 100
131 39.8 31.9 47.9
130 1.9 1.6 2.4
166 27.5 21.9 32.9

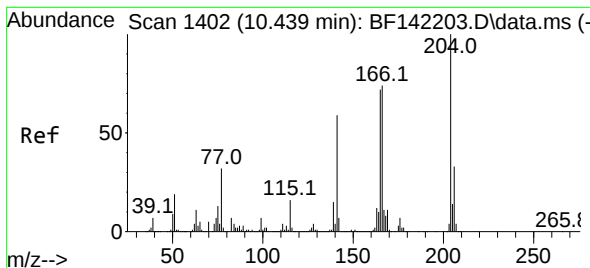


#60
Diethylphthalate
Concen: 45.492 ng
RT: 10.328 min Scan# 1383
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44



Tgt Ion:149 Resp: 2687801
Ion Ratio Lower Upper
149 100
177 24.0 19.6 29.4
150 12.7 10.6 15.8

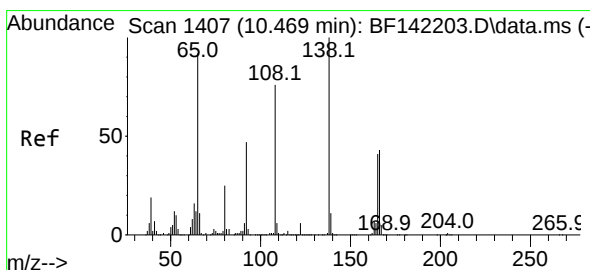
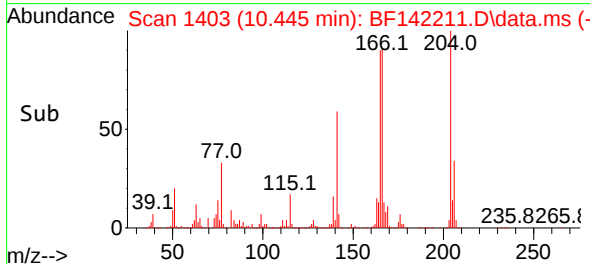
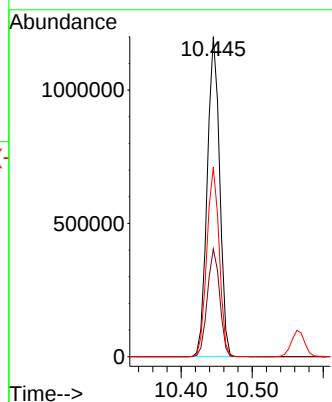
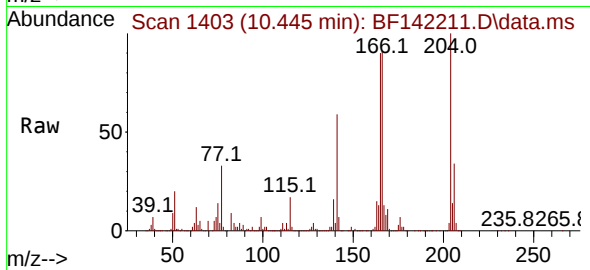




#61
4-Chlorophenyl-phenylether
Concen: 43.649 ng
RT: 10.445 min Scan# 1402
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

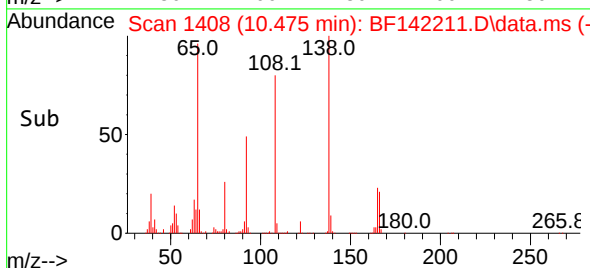
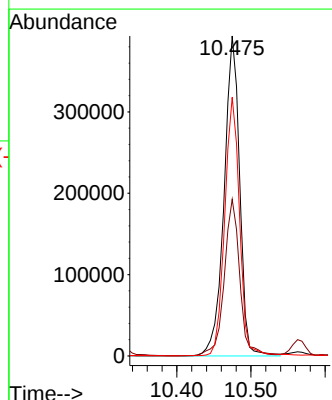
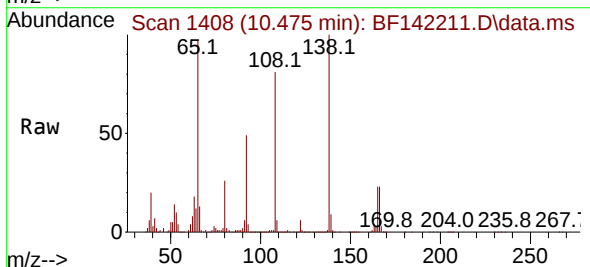
Instrument :
BNA_F
ClientSampleId :

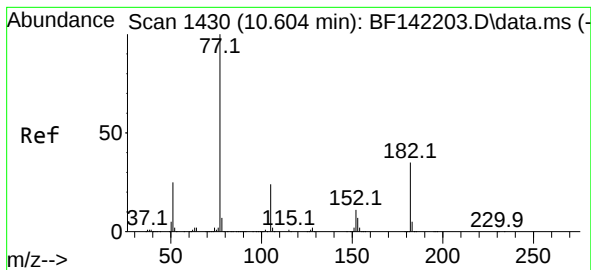
Tgt Ion:204 Resp: 1458223
Ion Ratio Lower Upper
204 100
206 33.6 26.5 39.7
141 59.3 47.0 70.6



#62
4-Nitroaniline
Concen: 44.481 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:138 Resp: 575486
Ion Ratio Lower Upper
138 100
92 49.0 26.7 66.7
108 80.9 56.5 96.5

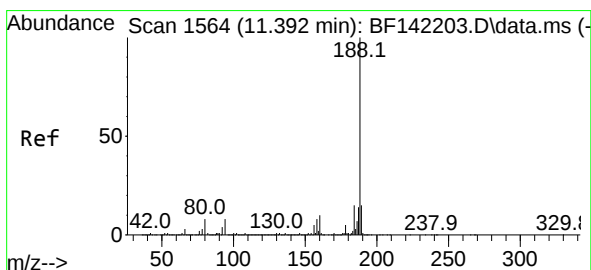
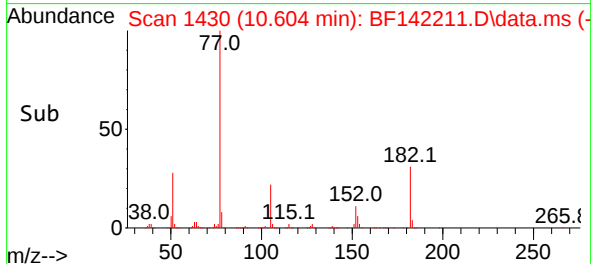
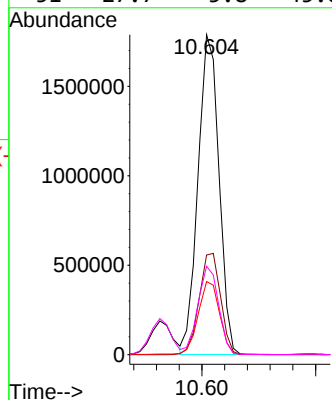
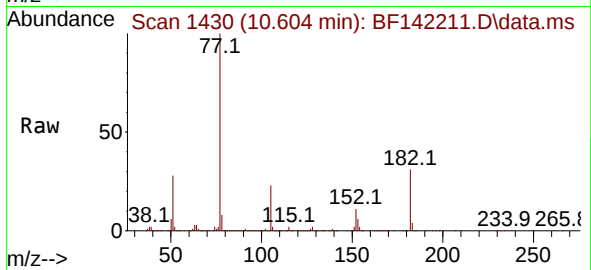




#63
Azobenzene
Concen: 44.474 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

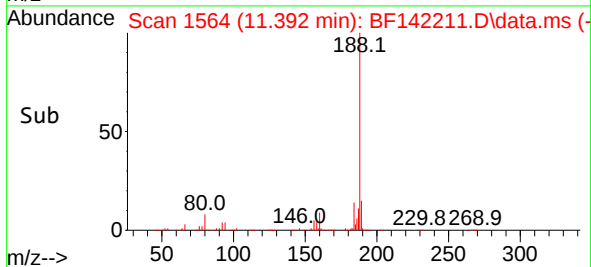
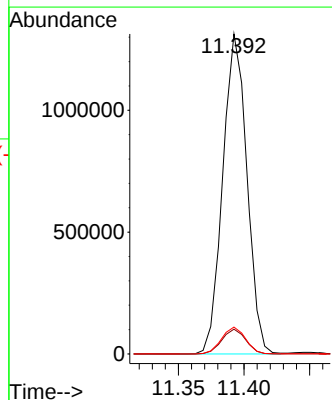
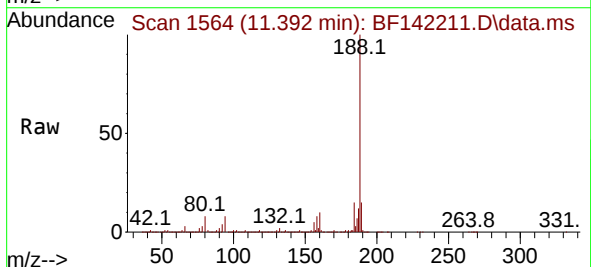
Instrument :
BNA_F
ClientSampleId :

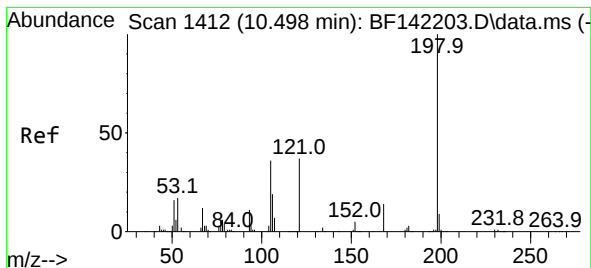
Tgt Ion: 77 Resp: 2288089
Ion Ratio Lower Upper
77 100
182 31.1 14.8 54.8
105 22.9 4.0 44.0
51 27.7 5.8 45.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:188 Resp: 1683111
Ion Ratio Lower Upper
188 100
94 7.7 6.3 9.5
80 8.4 6.7 10.1

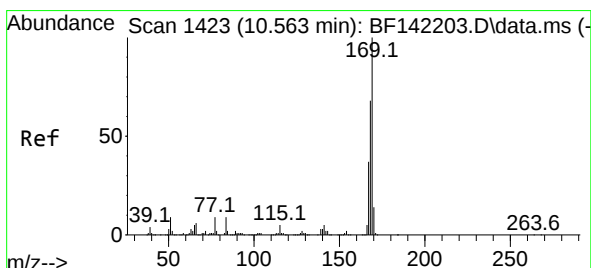
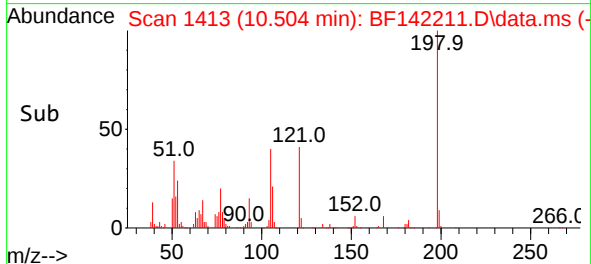
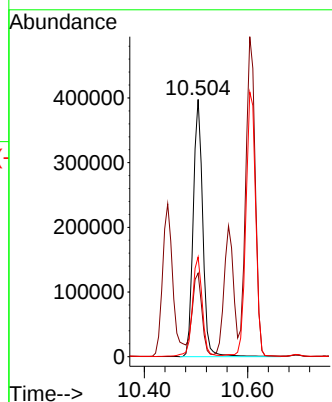
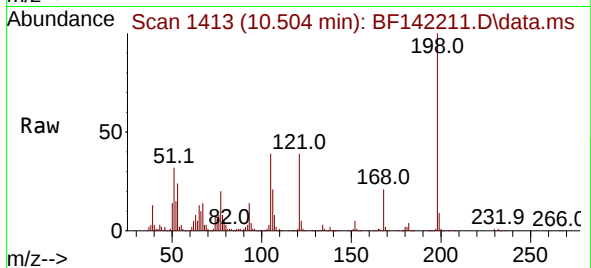




#65
4,6-Dinitro-2-methylphenol
Concen: 52.007 ng
RT: 10.504 min Scan# 1412
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

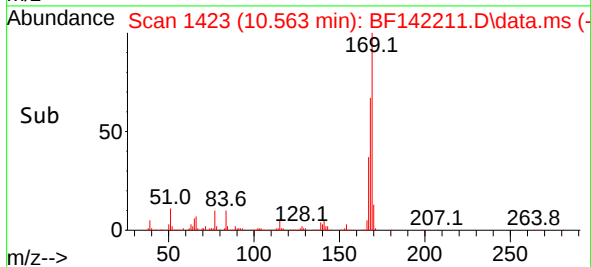
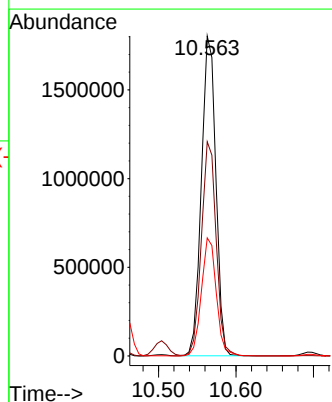
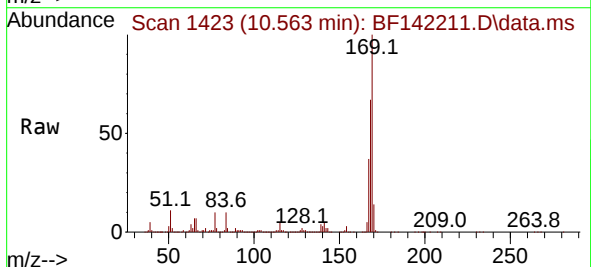
Instrument :
BNA_F
ClientSampleId :

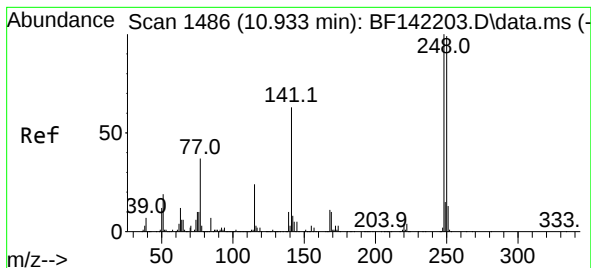
Tgt Ion:198 Resp: 510956
Ion Ratio Lower Upper
198 100
51 32.5 10.2 50.2
105 38.8 17.0 57.0



#66
n-Nitrosodiphenylamine
Concen: 45.264 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:169 Resp: 2334943
Ion Ratio Lower Upper
169 100
168 66.9 54.2 81.2
167 36.9 29.4 44.2

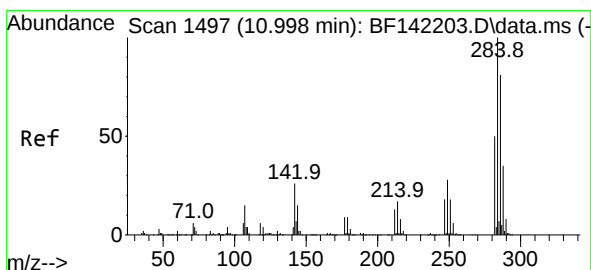
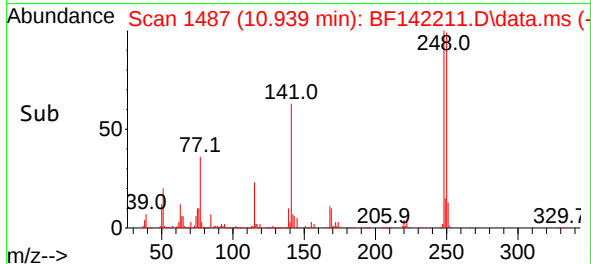
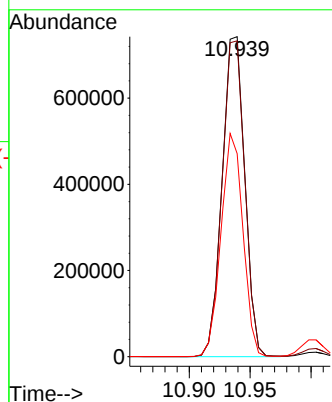
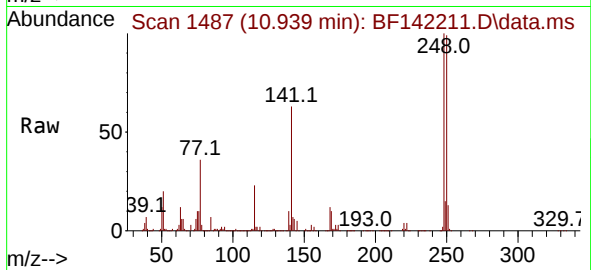




#67
4-Bromophenyl-phenylether
Concen: 43.508 ng
RT: 10.939 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

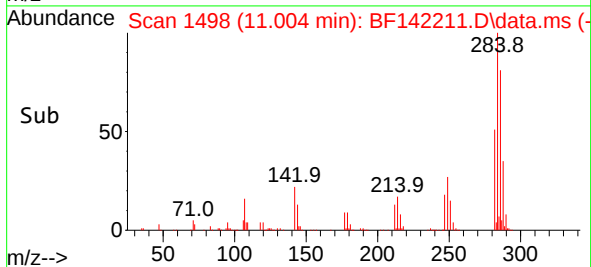
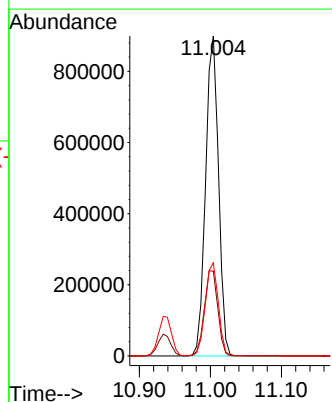
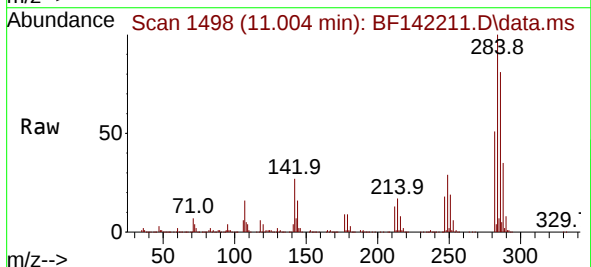
Instrument :
BNA_F
ClientSampleId :

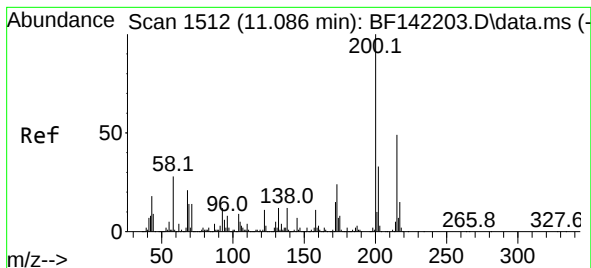
Tgt Ion:248 Resp: 963042
Ion Ratio Lower Upper
248 100
250 98.7 78.8 118.2
141 63.5 50.6 75.8



#68
Hexachlorobenzene
Concen: 43.256 ng
RT: 11.004 min Scan# 1498
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:284 Resp: 1139419
Ion Ratio Lower Upper
284 100
142 26.5 20.7 31.1
249 29.1 22.8 34.2





#69

Atrazine

Concen: 63.658 ng

RT: 11.092 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

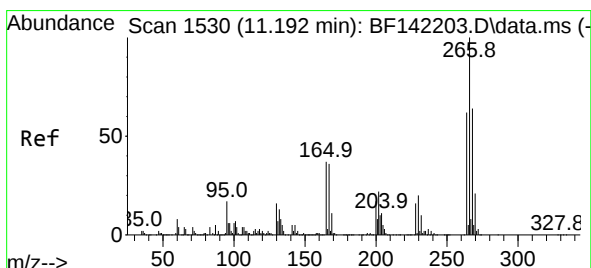
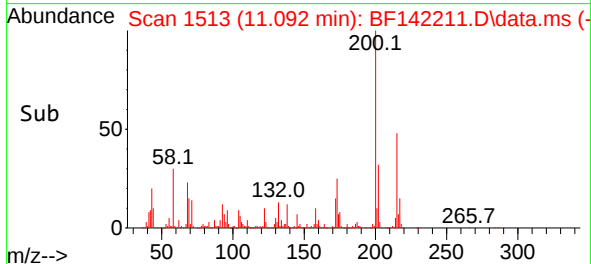
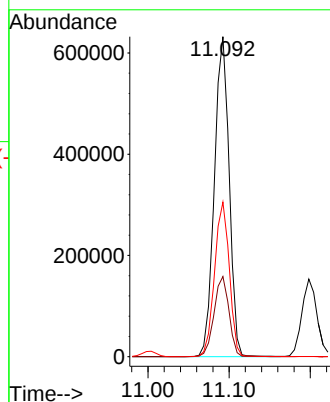
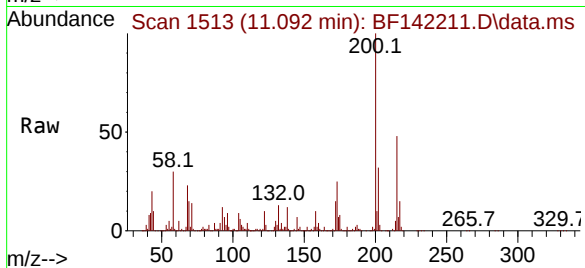
Tgt Ion:200 Resp: 801362

Ion Ratio Lower Upper

200 100

173 25.0 4.4 44.4

215 48.3 28.6 68.6



#70

Pentachlorophenol

Concen: 88.796 ng

RT: 11.198 min Scan# 1531

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

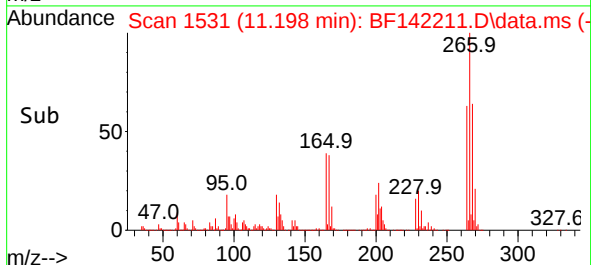
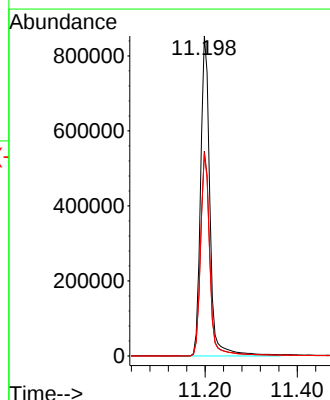
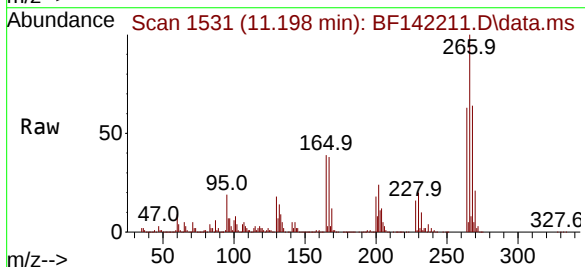
Tgt Ion:266 Resp: 1193219

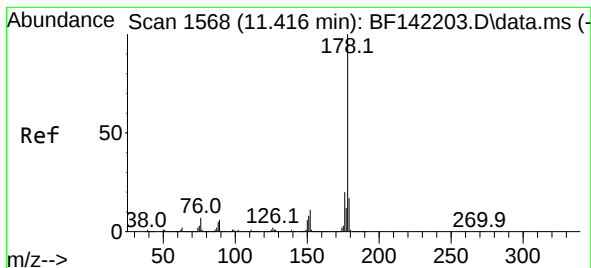
Ion Ratio Lower Upper

266 100

268 64.0 50.9 76.3

264 63.2 49.4 74.2





#71

Phenanthrene

Concen: 45.374 ng

RT: 11.416 min Scan# 1568

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

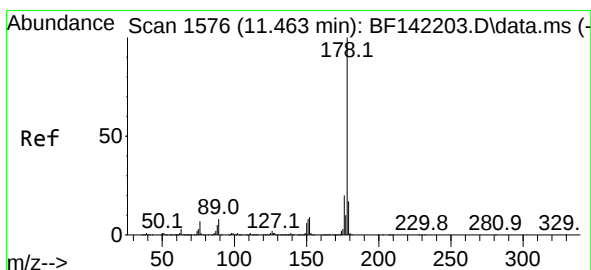
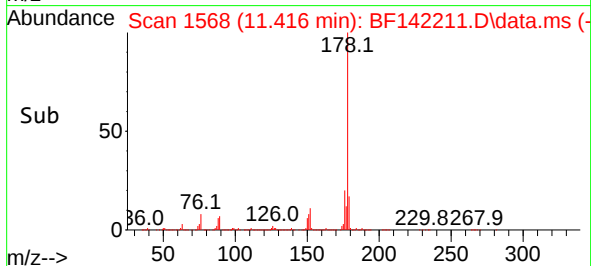
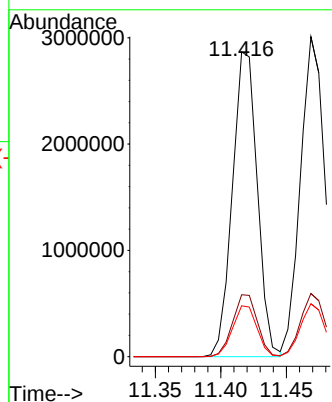
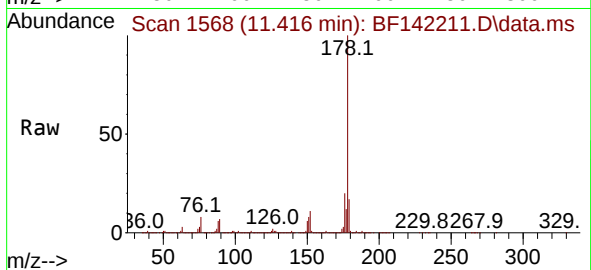
Tgt Ion:178 Resp: 3792389

Ion Ratio Lower Upper

178 100

176 20.3 16.3 24.5

179 16.7 13.3 19.9



#72

Anthracene

Concen: 46.382 ng

RT: 11.469 min Scan# 1577

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

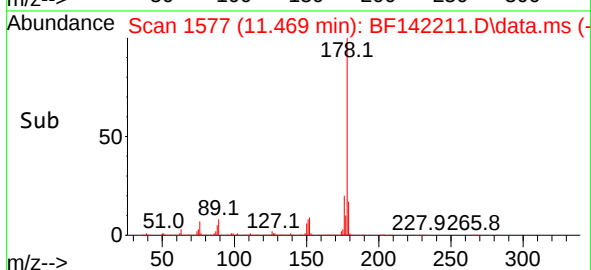
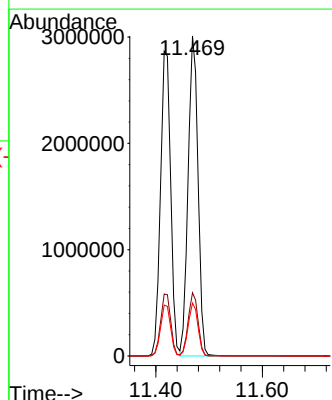
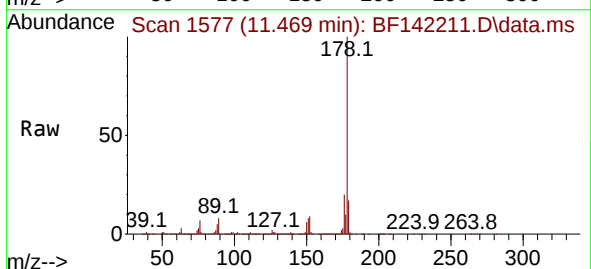
Tgt Ion:178 Resp: 3876240

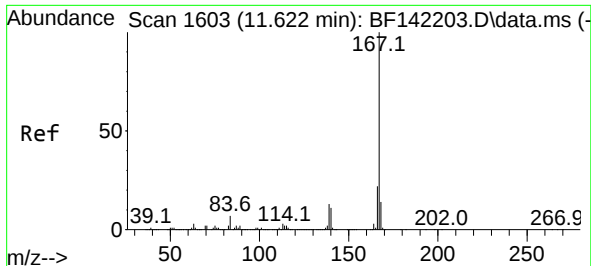
Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

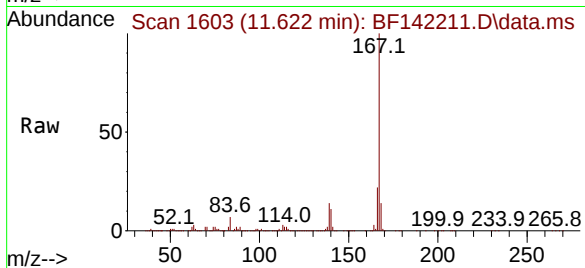
179 16.5 13.4 20.0





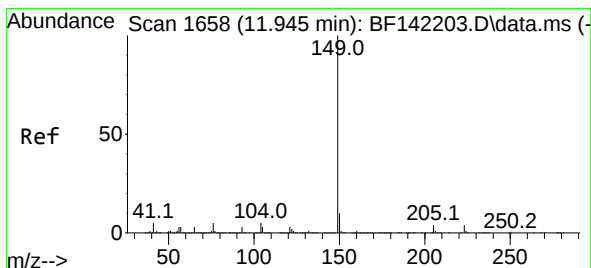
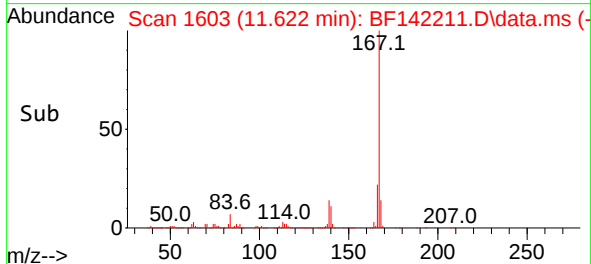
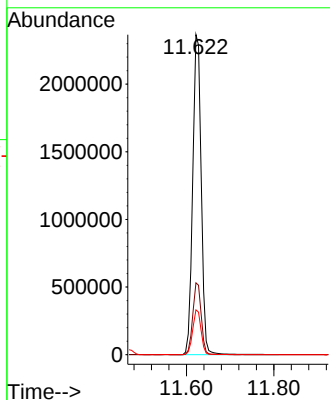
#73
 Carbazole
 Concen: 43.793 ng
 RT: 11.622 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:167 Resp: 3197354

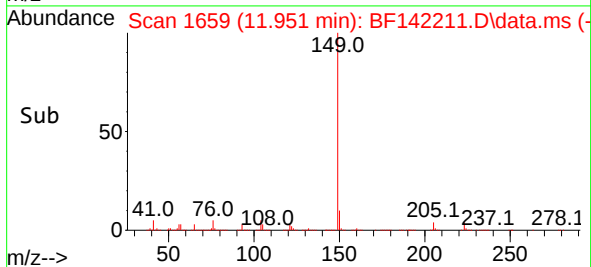
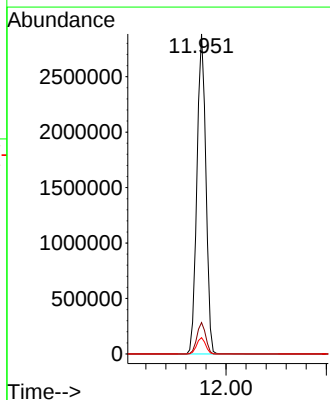
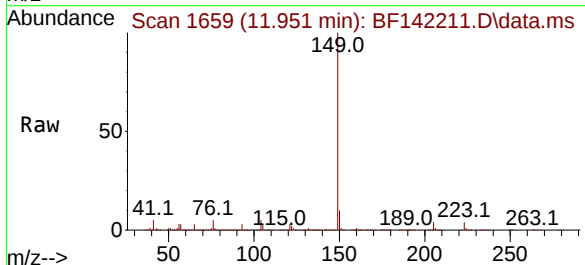
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.4	26.2
139	14.0	10.7	16.1

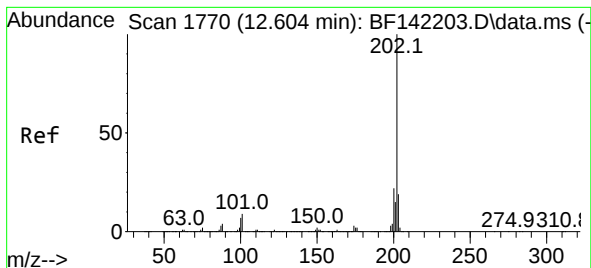


#74
 Di-n-butylphthalate
 Concen: 47.078 ng
 RT: 11.951 min Scan# 1659
 Delta R.T. 0.006 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Tgt Ion:149 Resp: 3557598

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.9	11.9
104	5.1	4.0	6.0





#75

Fluoranthene

Concen: 42.325 ng

RT: 12.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

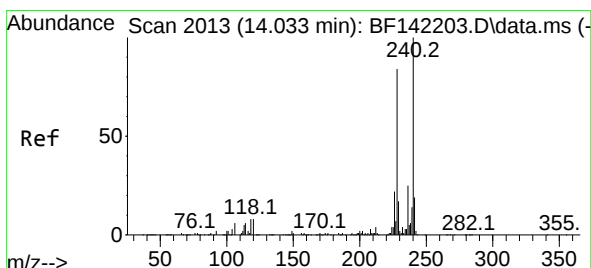
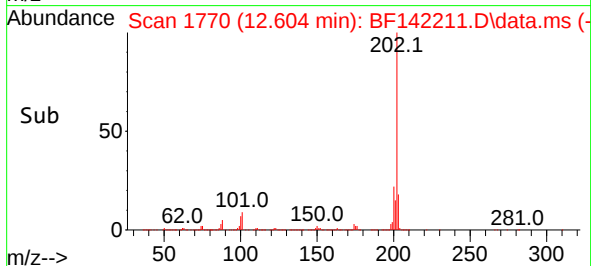
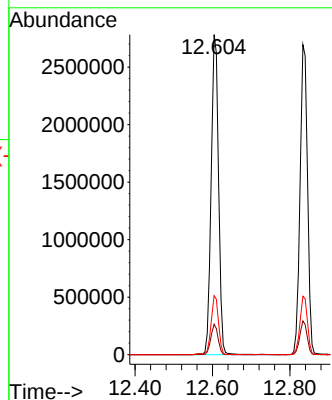
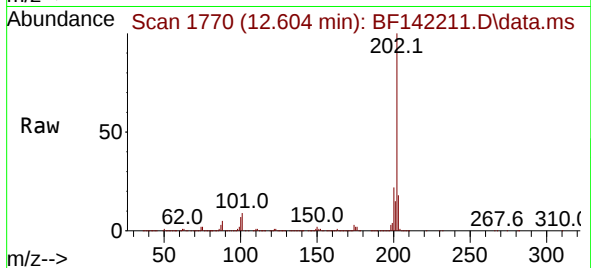
Tgt Ion:202 Resp: 3677228

Ion Ratio Lower Upper

202 100

101 9.5 0.0 28.9

203 18.4 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

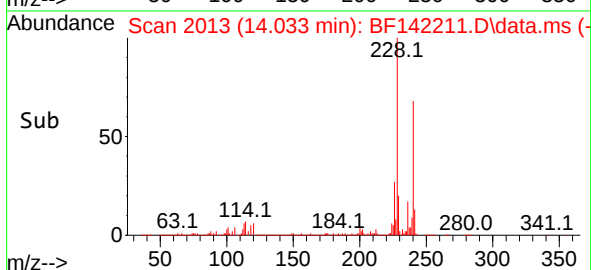
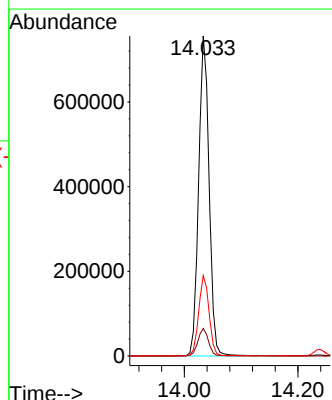
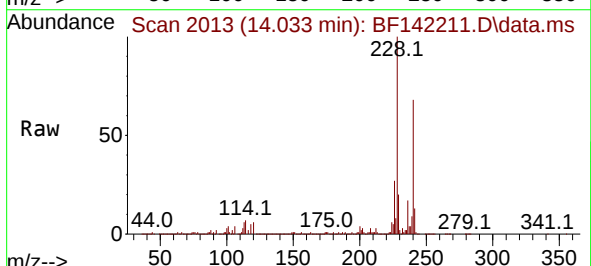
Tgt Ion:240 Resp: 969588

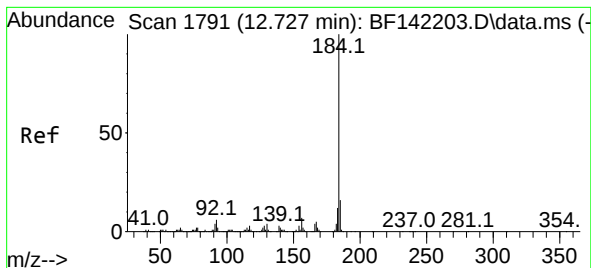
Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

236 25.1 20.2 30.2





#77

Benzidine

Concen: 55.555 ng

RT: 12.727 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

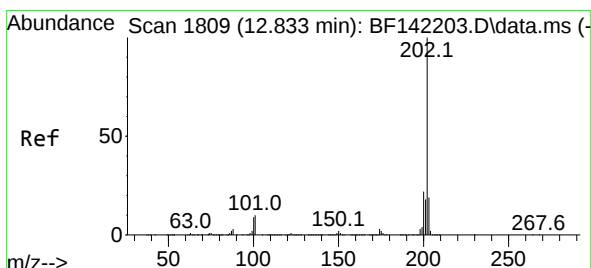
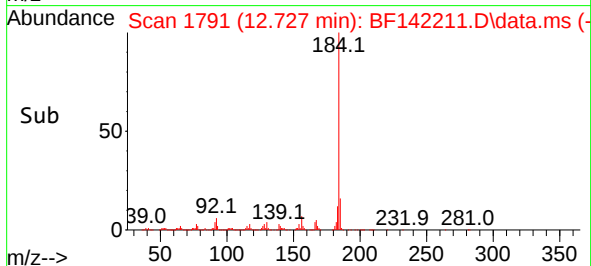
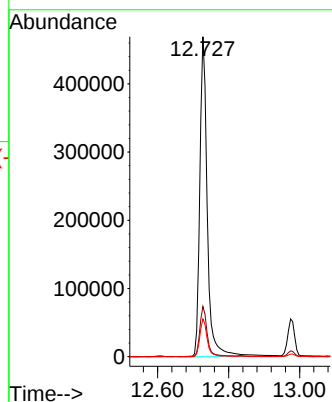
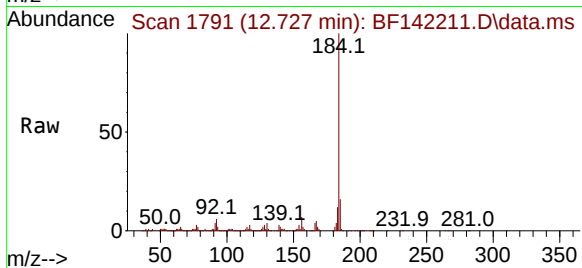
Tgt Ion:184 Resp: 695113

Ion Ratio Lower Upper

184 100

185 15.7 13.0 19.6

183 11.8 9.6 14.4



#78

Pyrene

Concen: 46.579 ng

RT: 12.833 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

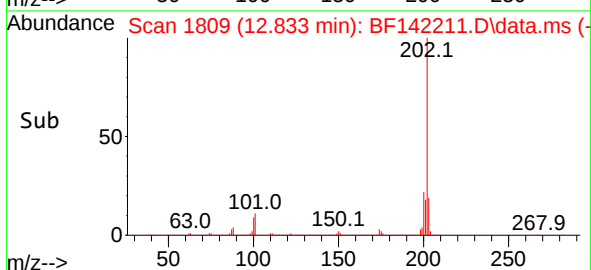
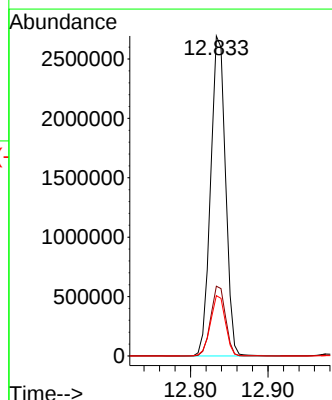
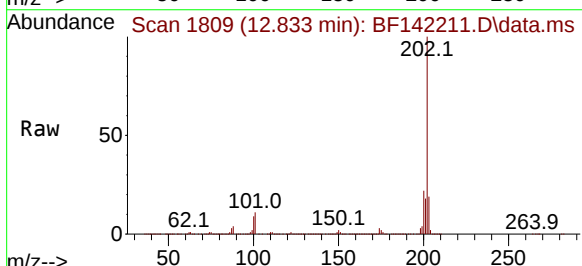
Tgt Ion:202 Resp: 3586889

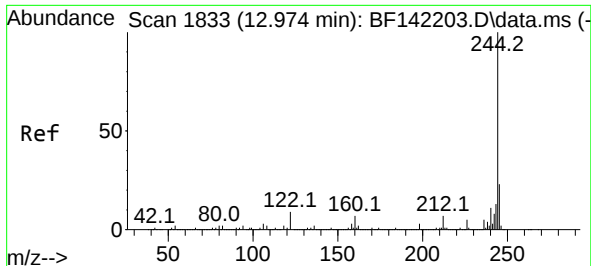
Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

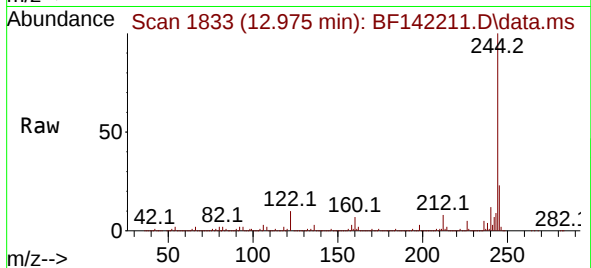
203 18.8 14.8 22.2



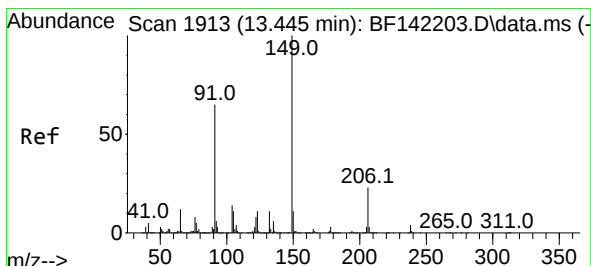
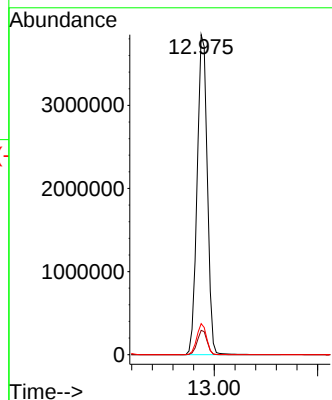
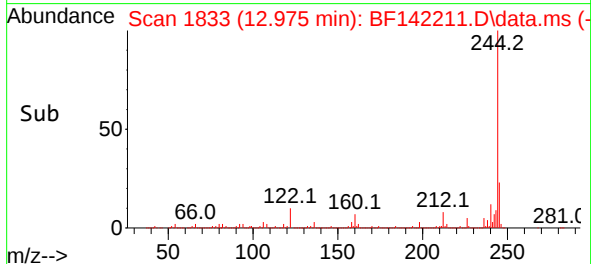


#79
 Terphenyl-d14
 Concen: 90.634 ng
 RT: 12.975 min Scan# 1833
 Delta R.T. 0.001 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Instrument :
 BNA_F
 ClientSampleId :

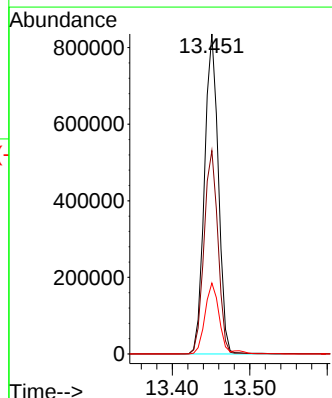
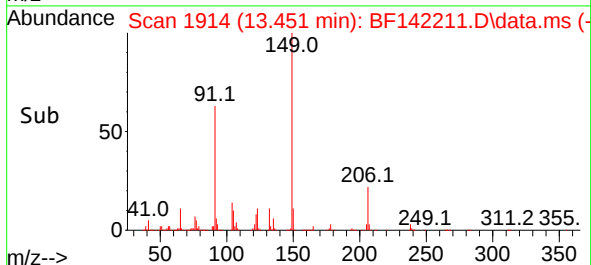
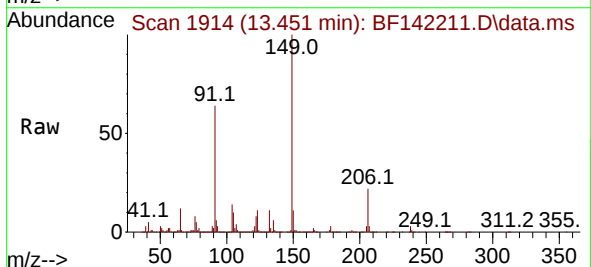


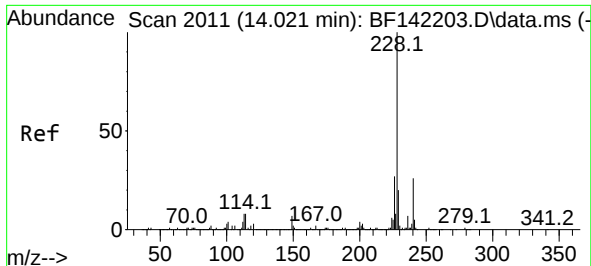
Tgt Ion:244 Resp: 5245486
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 9.7 7.3 10.9



#80
 Butylbenzylphthalate
 Concen: 55.561 ng
 RT: 13.451 min Scan# 1914
 Delta R.T. 0.006 min
 Lab File: BF142211.D
 Acq: 22 Apr 2025 14:44

Tgt Ion:149 Resp: 1035601
 Ion Ratio Lower Upper
 149 100
 91 63.5 51.8 77.8
 206 22.1 18.2 27.4

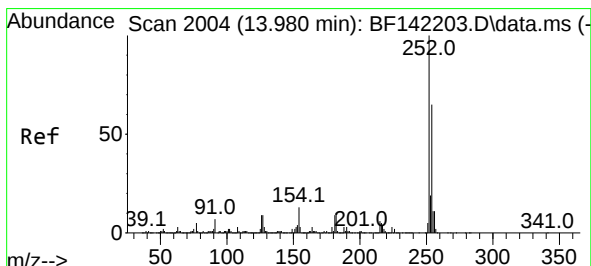
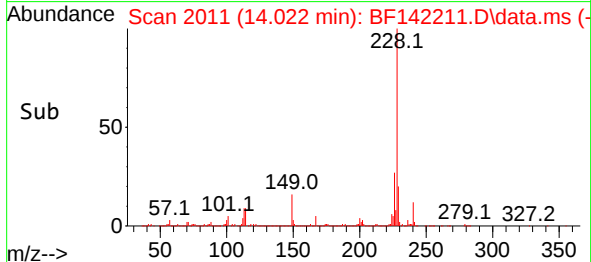
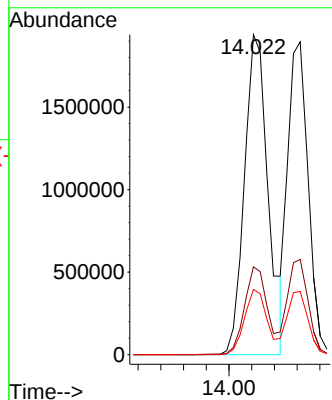
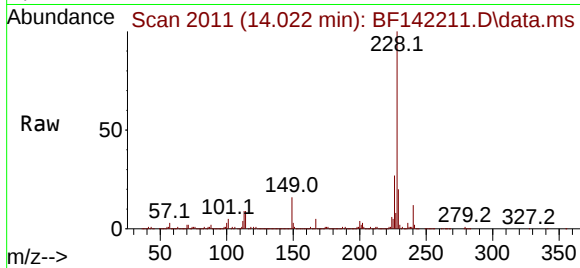




#81
Benzo(a)anthracene
Concen: 47.687 ng
RT: 14.022 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

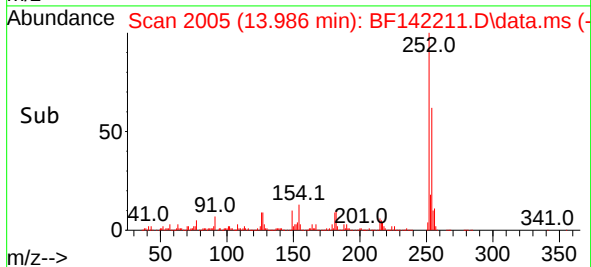
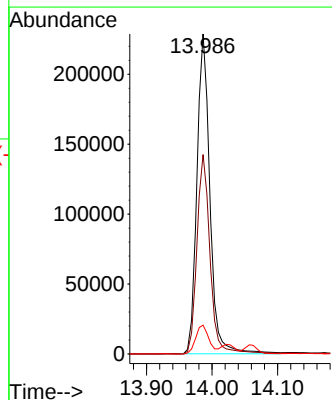
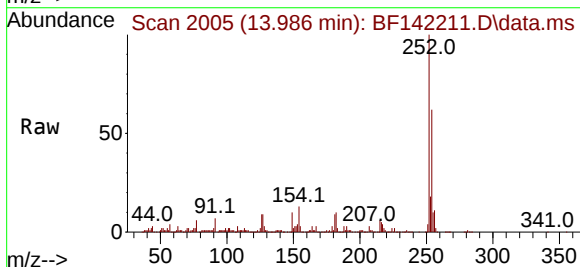
Instrument :
BNA_F
ClientSampleId :

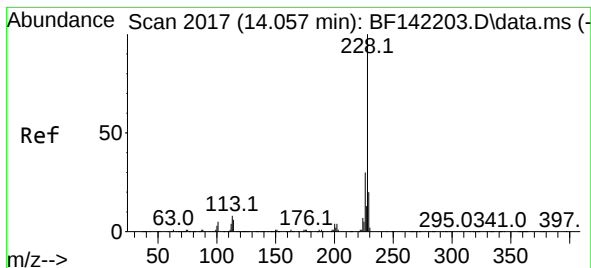
Tgt Ion:228 Resp: 2800475
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 20.4 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 18.072 ng
RT: 13.986 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF142211.D
Acq: 22 Apr 2025 14:44

Tgt Ion:252 Resp: 316042
Ion Ratio Lower Upper
252 100
254 62.3 51.9 77.9
126 9.0 7.4 11.0





#83

Chrysene

Concen: 41.755 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

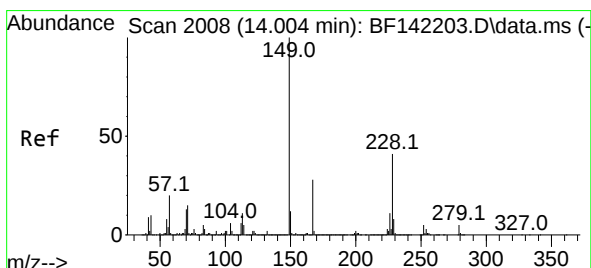
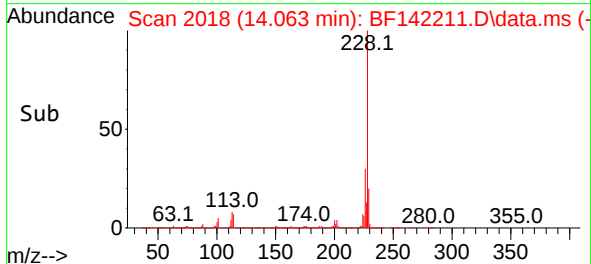
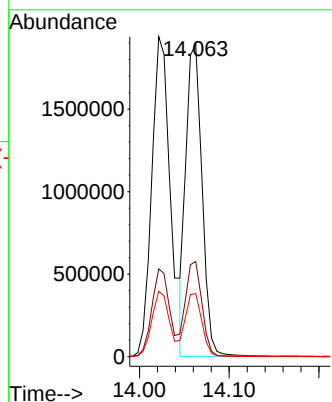
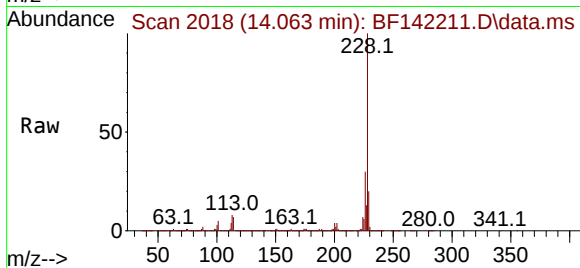
Tgt Ion:228 Resp: 2362561

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

229 20.2 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.112 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

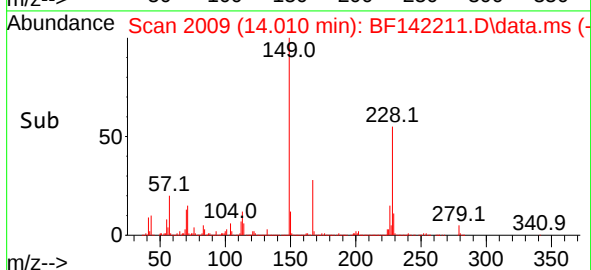
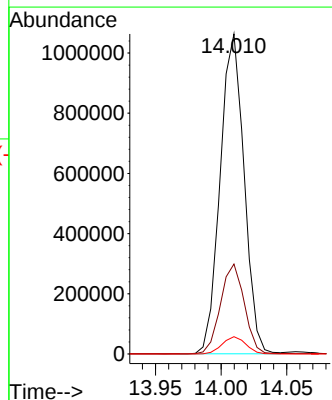
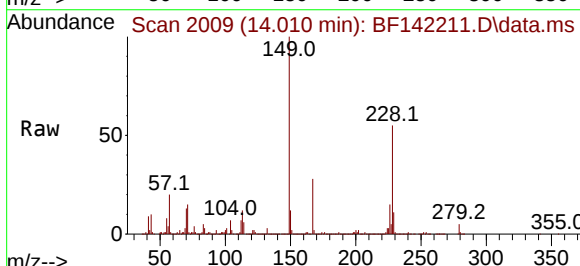
Tgt Ion:149 Resp: 1349302

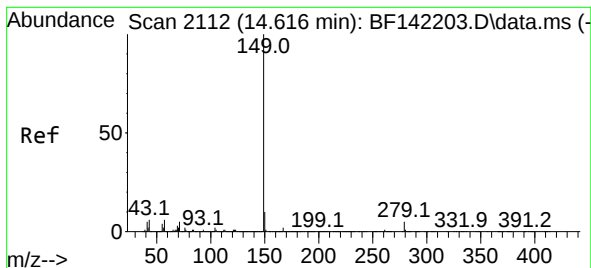
Ion Ratio Lower Upper

149 100

167 28.1 22.2 33.4

279 5.4 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 56.065 ng

RT: 14.621 min Scan# 2113

Delta R.T. 0.005 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

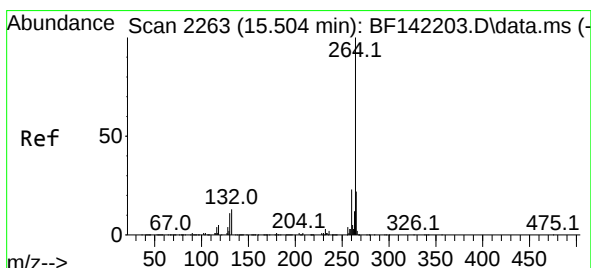
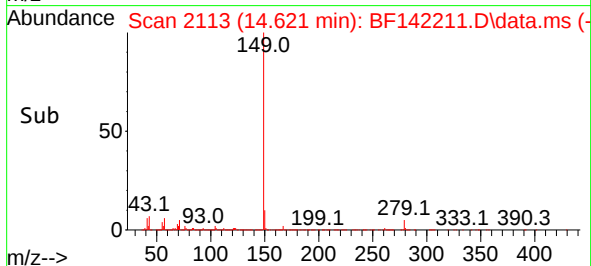
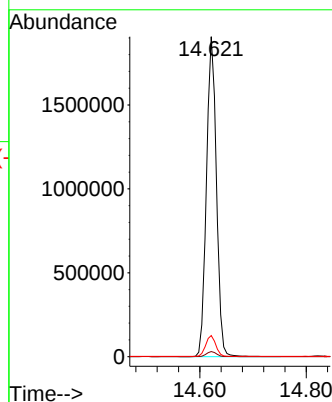
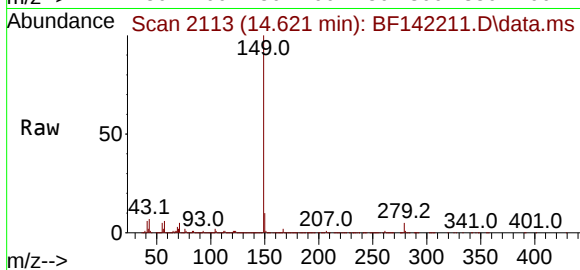
Tgt Ion:149 Resp: 2476067

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 6.5 5.3 7.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

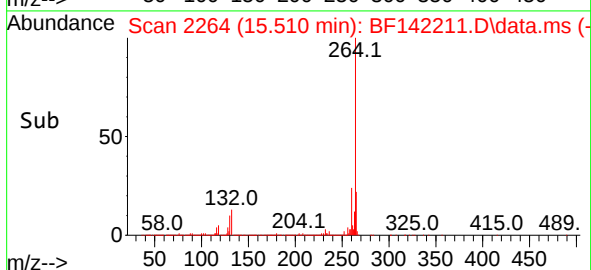
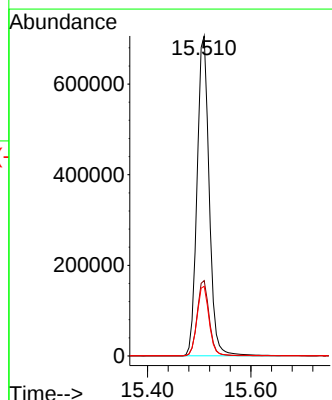
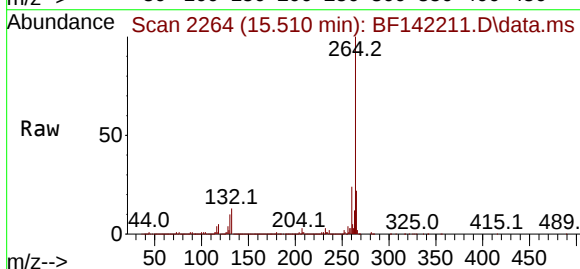
Tgt Ion:264 Resp: 1146363

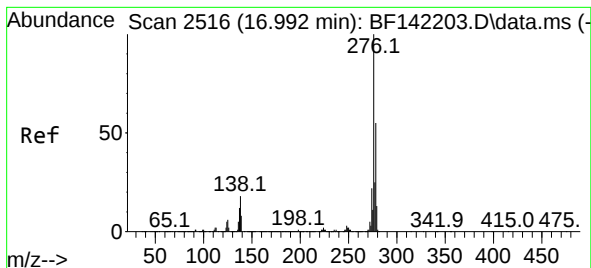
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.8 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.061 ng

RT: 17.004 min Scan# 2190

Delta R.T. 0.012 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

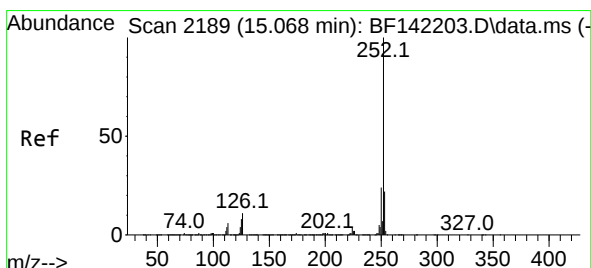
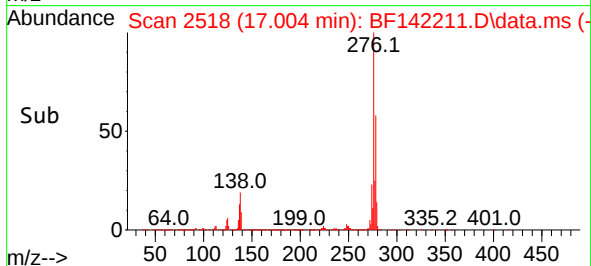
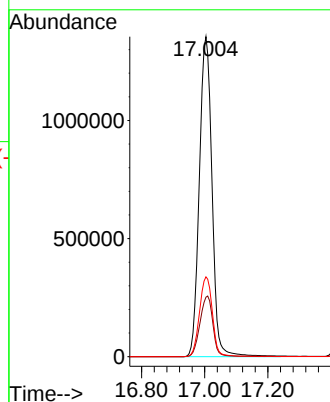
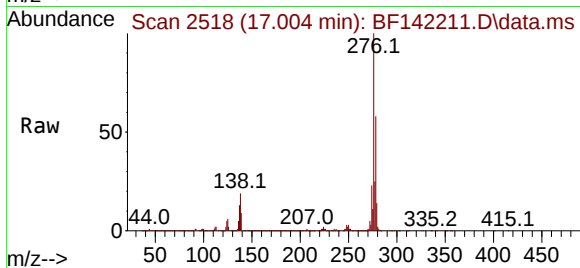
Tgt Ion:276 Resp: 3785133

Ion Ratio Lower Upper

276 100

138 19.3 15.1 22.7

277 25.4 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 45.951 ng

RT: 15.074 min Scan# 2190

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

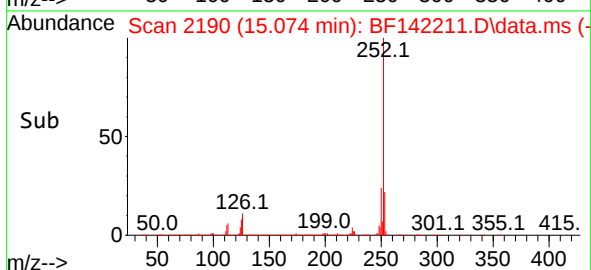
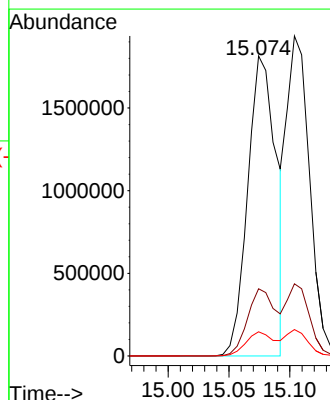
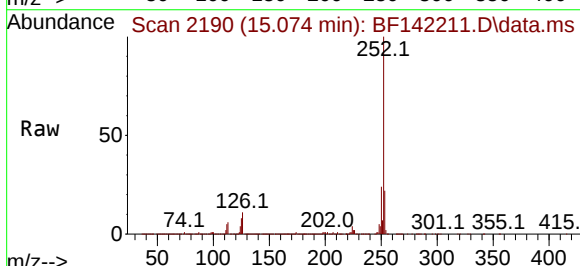
Tgt Ion:252 Resp: 2955291

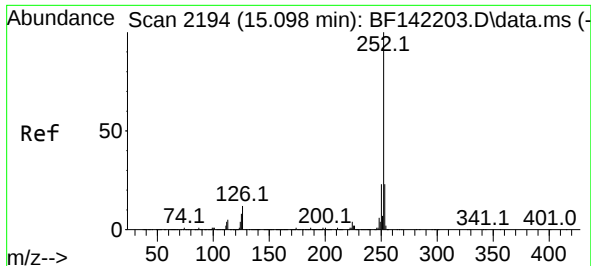
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 8.1 6.4 9.6





#89

Benzo(k)fluoranthene

Concen: 40.754 ng

RT: 15.104 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

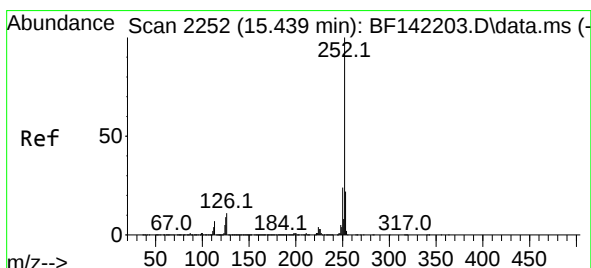
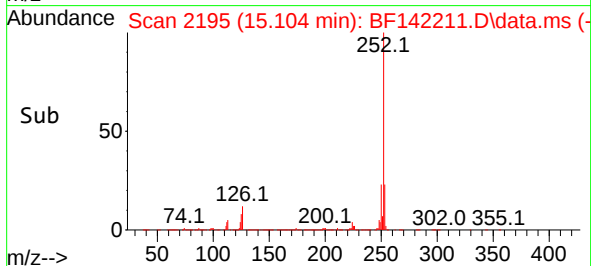
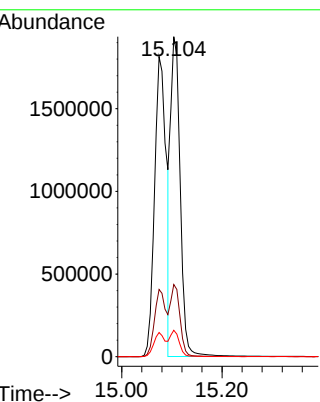
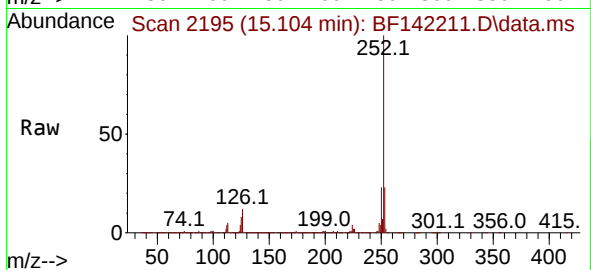
Tgt Ion:252 Resp: 2588845

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

125 8.2 6.6 10.0



#90

Benzo(a)pyrene

Concen: 48.289 ng

RT: 15.445 min Scan# 2253

Delta R.T. 0.006 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

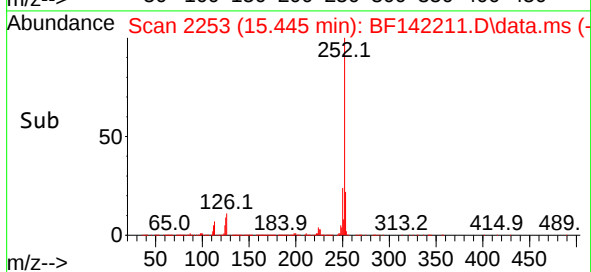
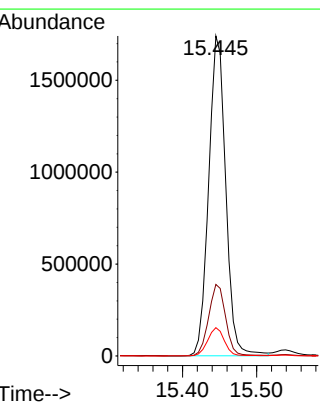
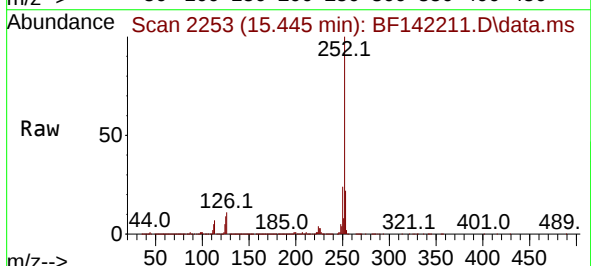
Tgt Ion:252 Resp: 2779396

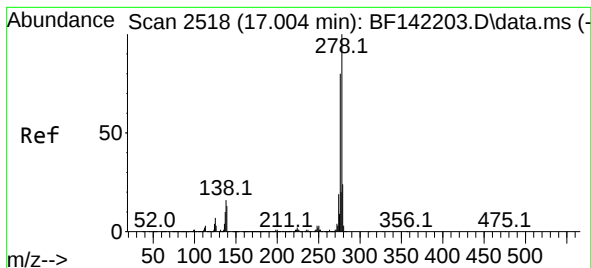
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 8.9 7.1 10.7





#91

Dibenzo(a,h)anthracene

Concen: 47.007 ng

RT: 17.021 min Scan# 2521

Delta R.T. 0.018 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Instrument :

BNA_F

ClientSampleId :

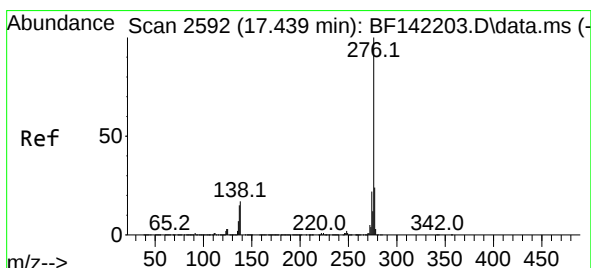
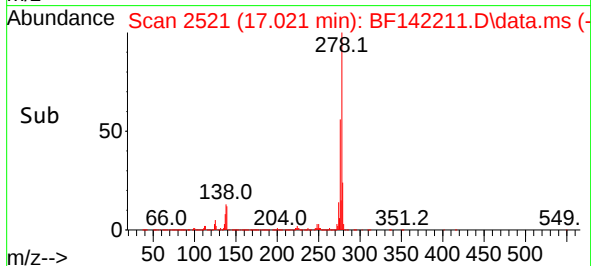
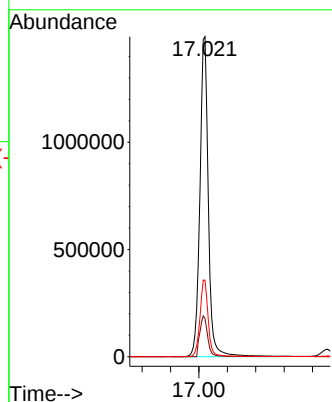
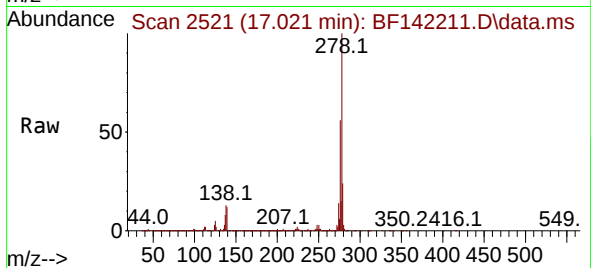
Tgt Ion:278 Resp: 3084163

Ion Ratio Lower Upper

278 100

139 12.0 10.2 15.4

279 23.9 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 44.290 ng

RT: 17.451 min Scan# 2594

Delta R.T. 0.012 min

Lab File: BF142211.D

Acq: 22 Apr 2025 14:44

Tgt Ion:276 Resp: 3026643

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 16.4 13.4 20.2

