

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022924\
 Data File : BF137449.D
 Acq On : 29 Feb 2024 18:56
 Operator : CG\JU
 Sample : SP6439
 Misc : 8270/625.1 SPIKE
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP6439

Quant Time: Mar 01 04:03:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 03:39:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.80
21) Naphthalene-d8	8.157	136	813740	20.000	ng	0.08
39) Acenaphthene-d10	9.916	164	473789	20.000	ng	0.08
64) Phenanthrene-d10	11.416	188	811175	20.000	ng	0.09
76) Chrysene-d12	14.074	240	460116	20.000	ng	0.09
86) Perylene-d12	15.610	264	404702	20.000	ng	0.12

System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.000	ng	
7) Phenol-d6	6.675	99	38966	0.000	ng	0.23
23) Nitrobenzene-d5	7.393	82	67114	3.832	ng	0.02
42) 2,4,6-Tribromophenol	10.710	330	480	0.115	ng	0.08
45) 2-Fluorobiphenyl	9.222	172	304	0.010	ng	0.06
79) Terphenyl-d14	13.010	244	1030	0.031	ng	0.08

Target Compounds					Qvalue
22) Acetophenone	7.293	105	953448	48.426	ng 99
24) Nitrobenzene	7.463	77	848231	48.214	ng 100
25) Isophorone	7.704	82	1647715	49.522	ng 99
26) 2-Nitrophenol	7.781	139	372386	53.315	ng 97
27) 2,4-Dimethylphenol	7.822	122	531675	40.738	ng 98
28) bis(2-Chloroethoxy)met...	7.916	93	963176	49.338	ng 99
29) 2,4-Dichlorophenol	8.022	162	613660	51.232	ng 98
30) 1,2,4-Trichlorobenzene	8.098	180	637501	50.575	ng 99
31) Naphthalene	8.181	128	2092358	47.924	ng 100
32) Benzoic acid	7.963	122	358727	47.765	ng 99
33) 4-Chloroaniline	8.234	127	440030	25.703	ng 100
34) Hexachlorobutadiene	8.298	225	368107	49.466	ng 98
35) Caprolactam	8.616	113	126666	31.187	ng 99
36) 4-Chloro-3-methylphenol	8.722	107	676261	50.509	ng 98
37) 2-Methylnaphthalene	8.875	142	1306291	46.933	ng 99
38) 1-Methylnaphthalene	8.975	142	1222227	46.630	ng 100
40) 1,2,4,5-Tetrachloroben...	9.039	216	618752	46.779	ng 99
41) Hexachlorocyclopentadiene	9.028	237	578069	104.301	ng 99
43) 2,4,6-Trichlorophenol	9.151	196	424394	49.271	ng 99
44) 2,4,5-Trichlorophenol	9.192	196	459758	46.336	ng 97
46) 1,1'-Biphenyl	9.339	154	1612256	46.493	ng 99
47) 2-Chloronaphthalene	9.363	162	1246536	47.149	ng 98
48) 2-Nitroaniline	9.469	65	443919	49.400	ng 99
49) Acenaphthylene	9.781	152	2026942	47.906	ng 100
50) Dimethylphthalate	9.651	163	1524393	46.220	ng 100
51) 2,6-Dinitrotoluene	9.710	165	338372	49.051	ng 98
52) Acenaphthene	9.951	154	1143406	45.266	ng 99
53) 3-Nitroaniline	9.881	138	225323	30.880	ng 97
54) 2,4-Dinitrophenol	9.992	184	340220	98.945	ng 90
55) Dibenzofuran	10.128	168	1738885	45.198	ng 100
56) 4-Nitrophenol	10.051	139	505331	96.362	ng 94
57) 2,4-Dinitrotoluene	10.116	165	430636	50.812	ng 93
58) Fluorene	10.475	166	1329706	45.004	ng 99
59) 2,3,4,6-Tetrachlorophenol	10.204	232	382803	48.110	ng 99
60) Diethylphthalate	10.351	149	1430465	45.929	ng 100
61) 4-Chlorophenyl-phenyle...	10.463	204	633290	43.734	ng 99

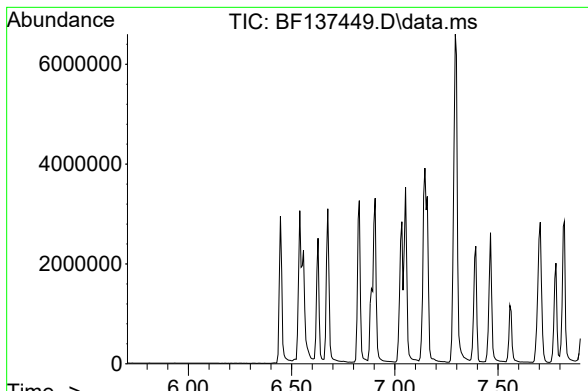
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 QLast Update : Fri Mar 01 03:39:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 4-Nitroaniline	10.504	138	309032	49.277	ng	98
63) Azobenzene	10.628	77	1672973	46.649	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	244516	54.084	ng	81
66) n-Nitrosodiphenylamine	10.586	169	1210581	46.345	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	415704	47.051	ng	97
68) Hexachlorobenzene	11.016	284	451021	50.542	ng	97
69) Atrazine	11.122	200	395611	49.821	ng	98
70) Pentachlorophenol	11.222	266	512994	95.096	ng	99
71) Phenanthrene	11.439	178	2029952	45.983	ng	99
72) Anthracene	11.492	178	2084774	45.981	ng	99
73) Carbazole	11.651	167	1855538	47.778	ng	100
74) Di-n-butylphthalate	11.986	149	2205184	47.724	ng	99
75) Fluoranthene	12.633	202	2015571	46.709	ng	99
77) Benzidine	12.769	184	1125883	99.989	ng	100
78) Pyrene	12.863	202	2076461	45.993	ng	99
80) Butylbenzylphthalate	13.498	149	631715	54.788	ng	98
81) Benzo(a)anthracene	14.063	228	1532155	47.510	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	310104	36.109	ng	99
83) Chrysene	14.098	228	1541033	47.280	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	783817	53.484	ng	100
85) Di-n-octyl phthalate	14.692	149	1277137	45.542	ng	100
87) Indeno(1,2,3-cd)pyrene	17.215	276	1305693	49.027	ng	99
88) Benzo(b)fluoranthene	15.151	252	1270086	53.054	ng	99
89) Benzo(k)fluoranthene	15.186	252	1173982	45.656	ng	99
90) Benzo(a)pyrene	15.545	252	1137104	48.200	ng	99
91) Dibenzo(a,h)anthracene	17.245	278	1042785	48.268	ng	99
92) Benzo(g,h,i)perylene	17.710	276	1019464	45.948	ng	98

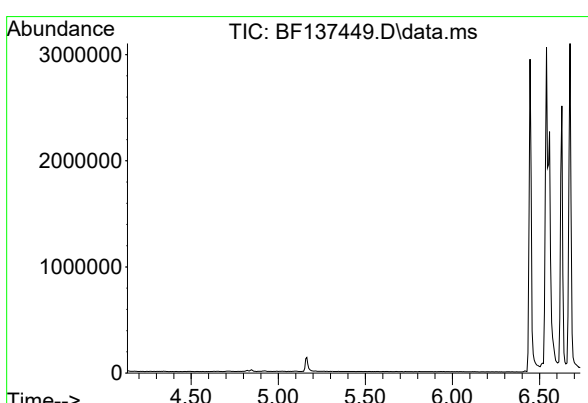
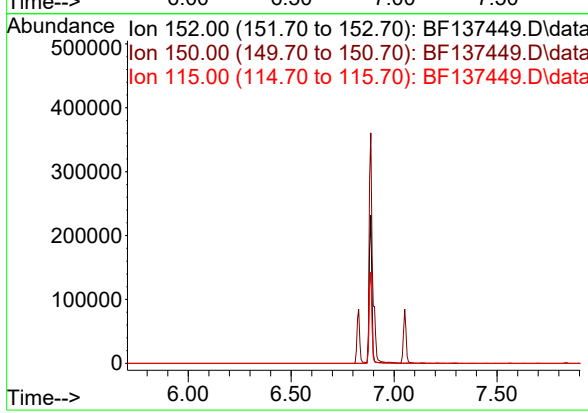
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.80 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

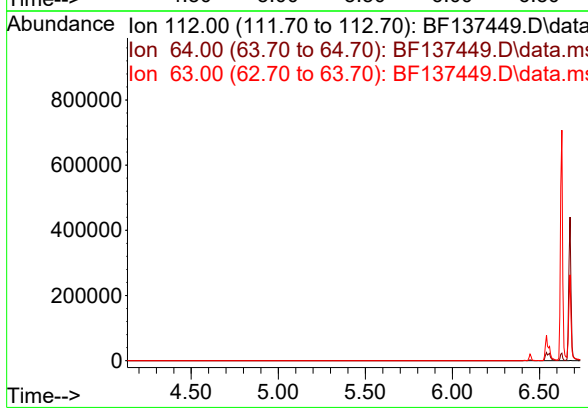
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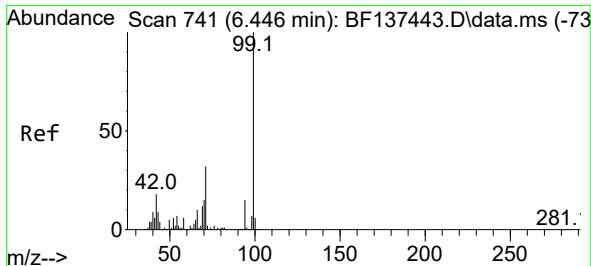
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 157.2
 115 61.0



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.43 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 66.8
 63 32.7





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.675 min Scan# 71

Delta R.T. 0.229 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

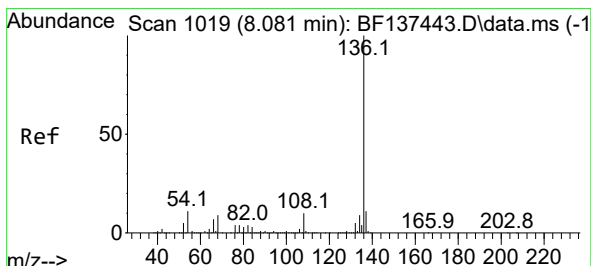
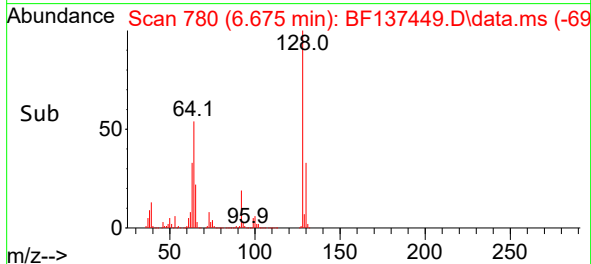
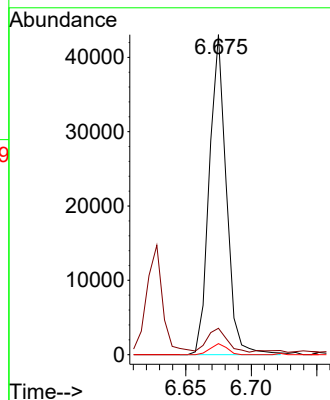
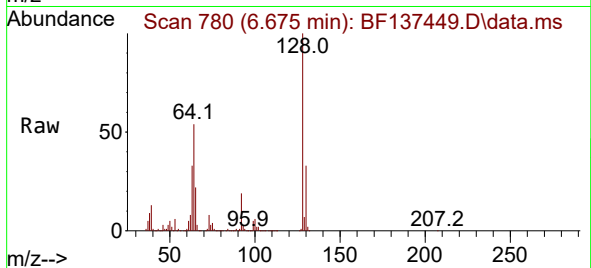
Tgt Ion: 99 Resp: 38966

Ion Ratio Lower Upper

99 100

42 8.3 14.6 21.8#

71 3.5 25.3 37.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1032

Delta R.T. 0.076 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Tgt Ion:136 Resp: 813740

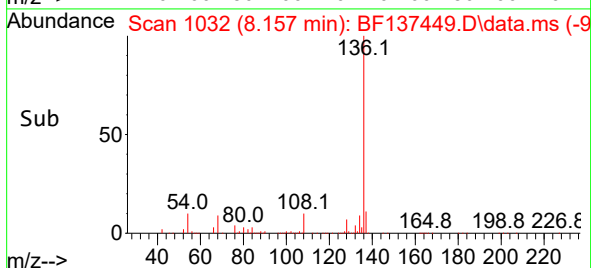
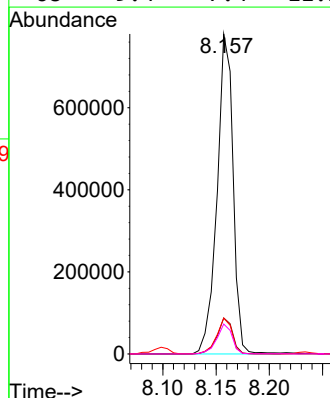
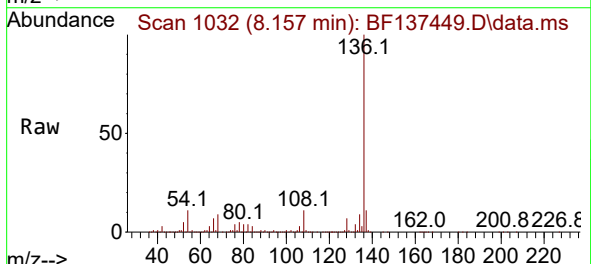
Ion Ratio Lower Upper

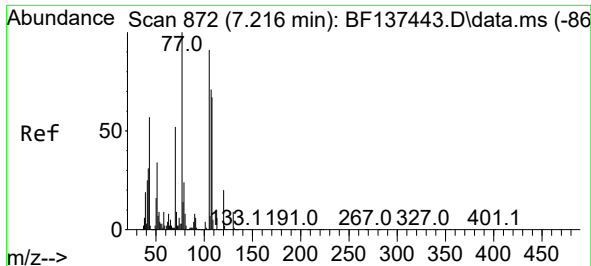
136 100

137 11.2 9.1 13.7

54 11.2 8.5 12.7

68 9.4 7.4 11.2

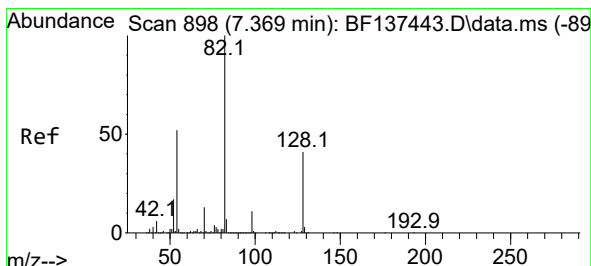
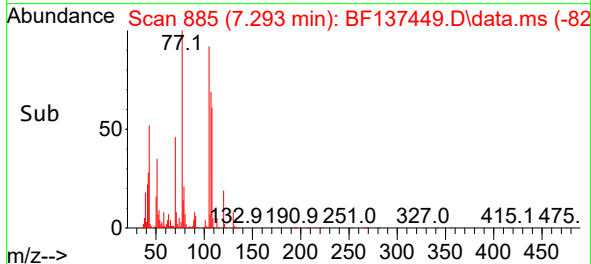
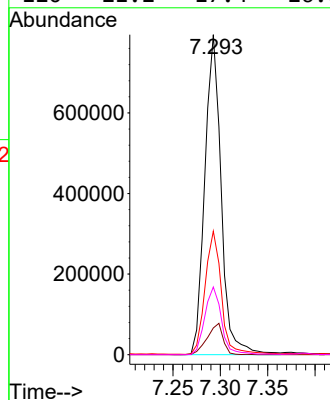
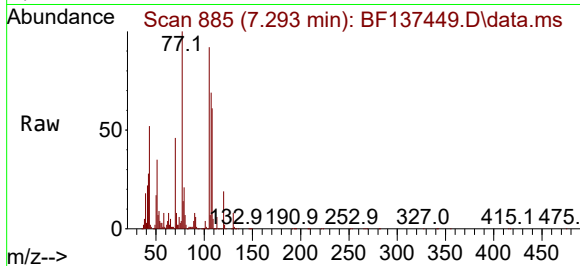




#22
Acetophenone
Concen: 48.426 ng
RT: 7.293 min Scan# 81
Delta R.T. 0.077 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

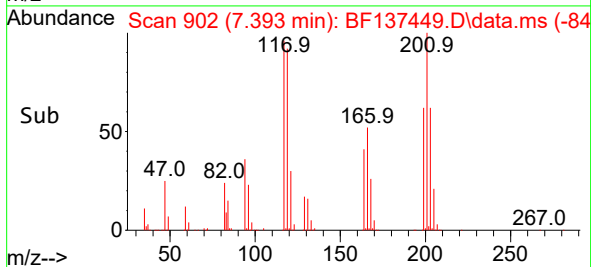
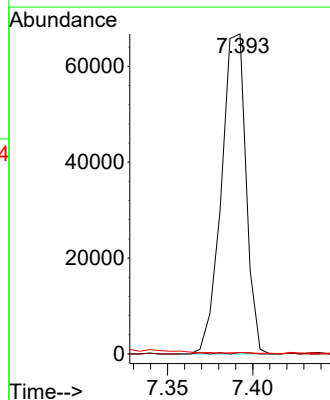
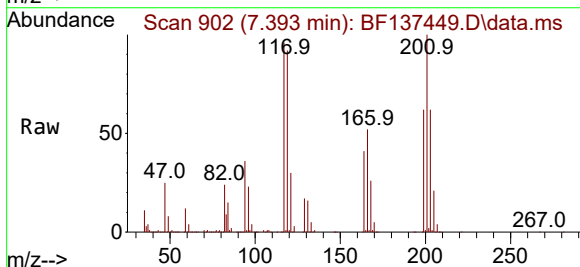
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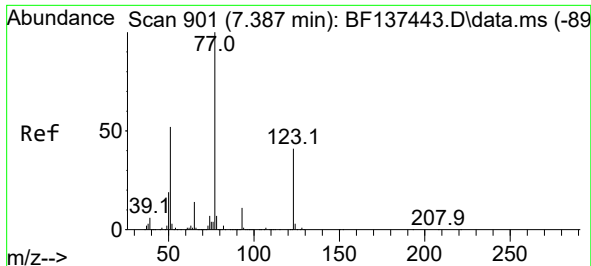
Tgt Ion:105 Resp: 953448
Ion Ratio Lower Upper
105 100
71 8.4 7.7 11.5
51 38.6 30.4 45.6
120 21.2 17.4 26.0



#23
Nitrobenzene-d5
Concen: 3.832 ng
RT: 7.393 min Scan# 902
Delta R.T. 0.024 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion: 82 Resp: 67114
Ion Ratio Lower Upper
82 100
128 0.4 32.5 48.7#
54 0.5 41.5 62.3#

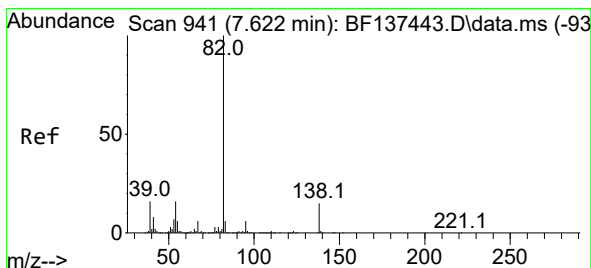
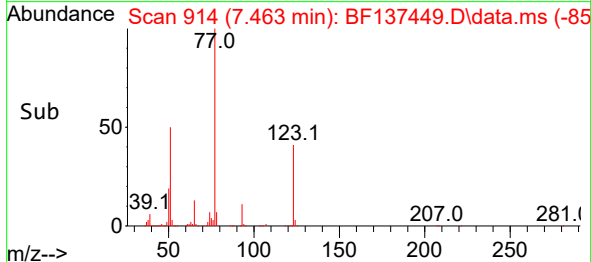
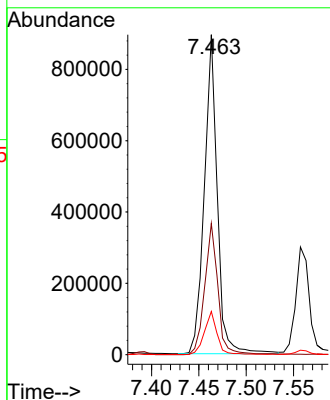
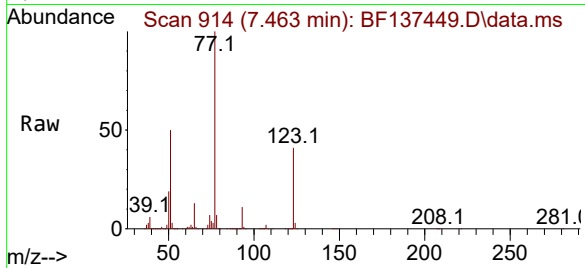




#24
Nitrobenzene
Concen: 48.214 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

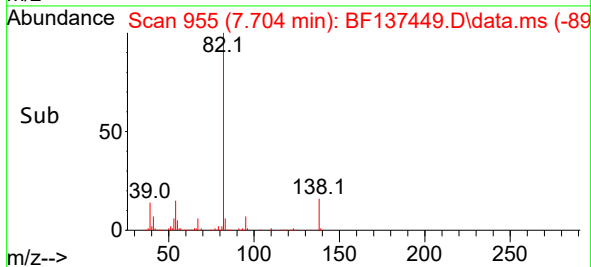
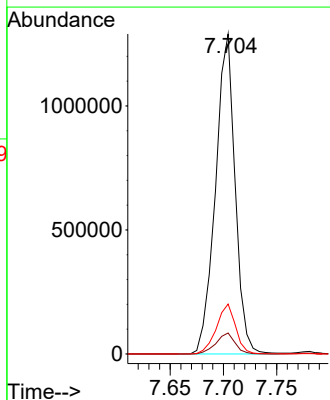
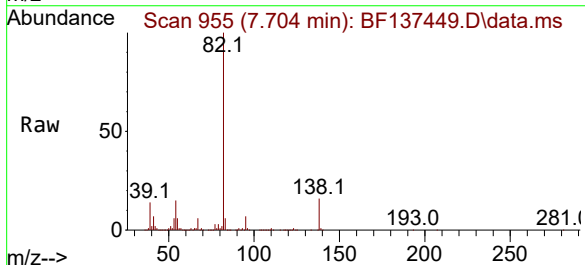
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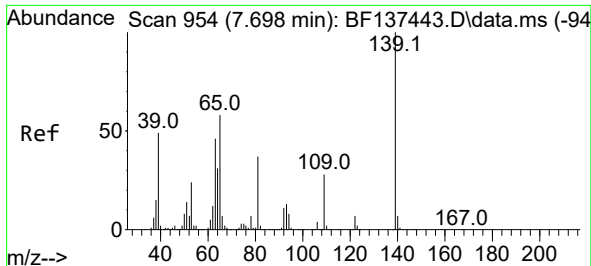
Tgt Ion: 77 Resp: 848231
Ion Ratio Lower Upper
77 100
123 41.0 33.0 49.6
65 13.5 10.9 16.3



#25
Isophorone
Concen: 49.522 ng
RT: 7.704 min Scan# 955
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion: 82 Resp: 1647715
Ion Ratio Lower Upper
82 100
95 6.6 5.1 7.7
138 15.6 11.8 17.8

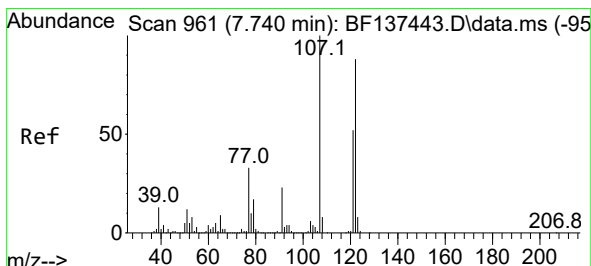
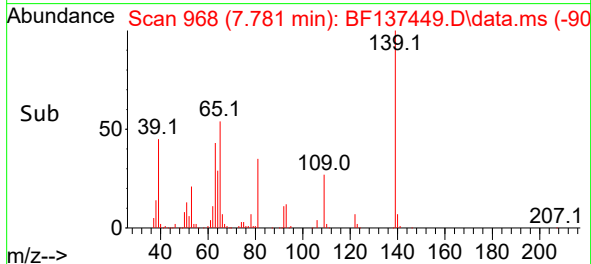
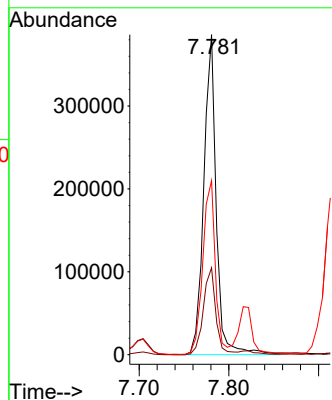
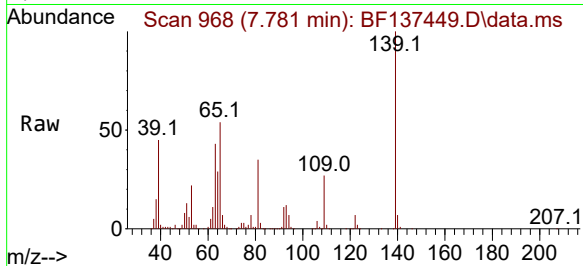




#26
2-Nitrophenol
Concen: 53.315 ng
RT: 7.781 min Scan# 90
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

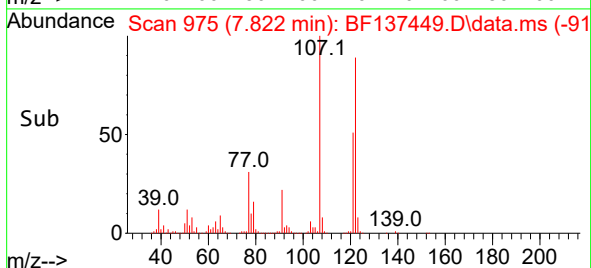
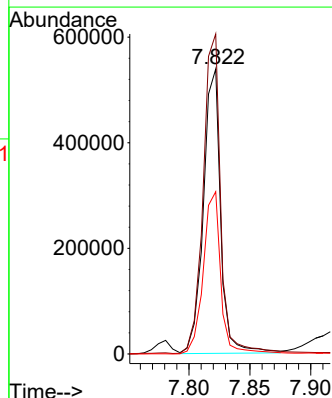
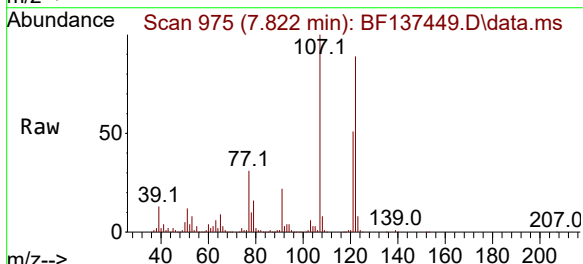
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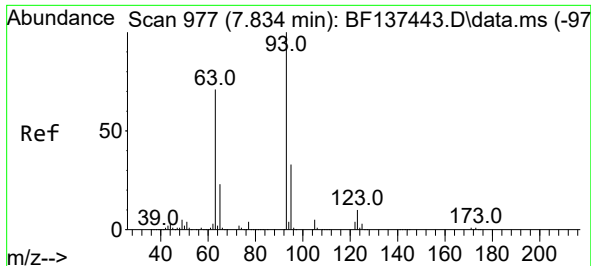
Tgt Ion:139 Resp: 372386
Ion Ratio Lower Upper
139 100
109 27.2 22.2 33.4
65 54.4 46.2 69.2



#27
2,4-Dimethylphenol
Concen: 40.738 ng
RT: 7.822 min Scan# 975
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:122 Resp: 531675
Ion Ratio Lower Upper
122 100
107 112.3 90.9 136.3
121 56.9 47.0 70.6





#28

bis(2-Chloroethoxy)methane

Concen: 49.338 ng

RT: 7.916 min Scan# 991

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

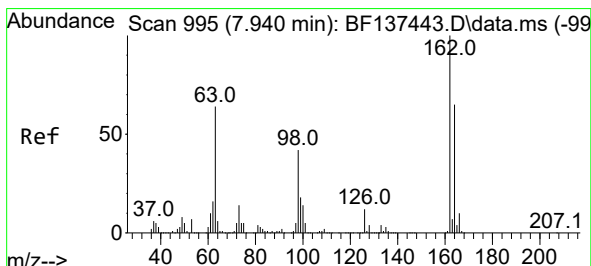
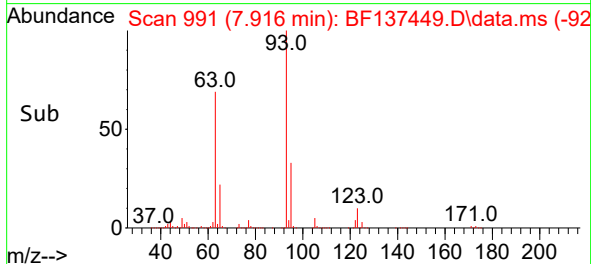
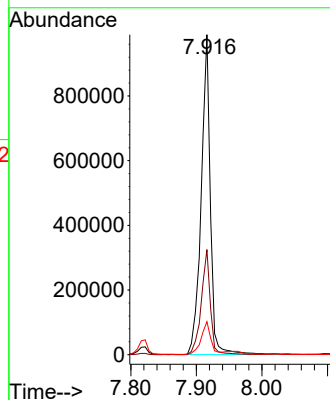
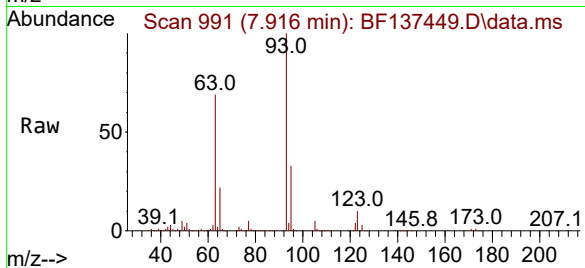
Tgt Ion: 93 Resp: 963176

Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

123 10.3 8.0 12.0



#29

2,4-Dichlorophenol

Concen: 51.232 ng

RT: 8.022 min Scan# 1009

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

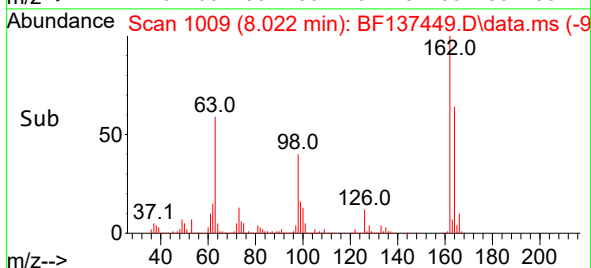
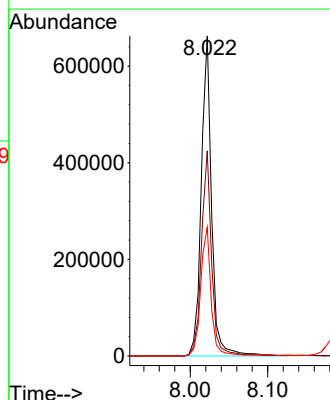
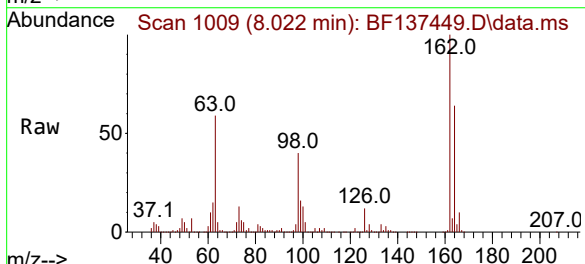
Tgt Ion:162 Resp: 613660

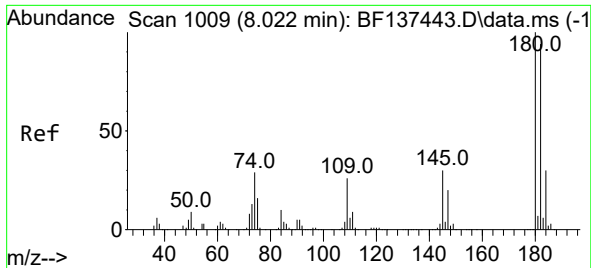
Ion Ratio Lower Upper

162 100

164 64.1 44.7 84.7

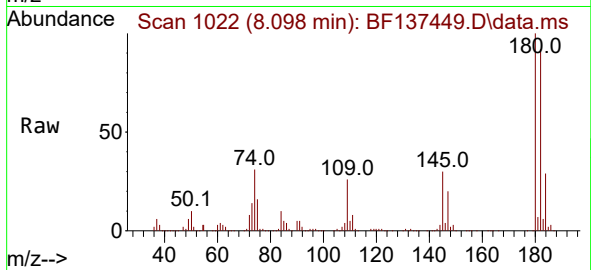
98 40.2 22.0 62.0



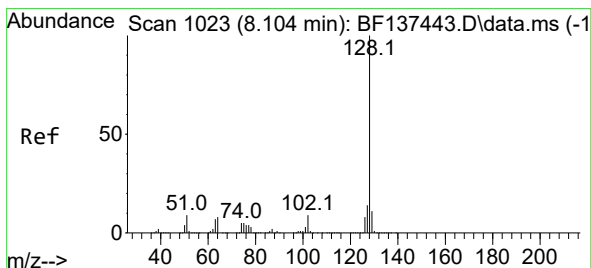
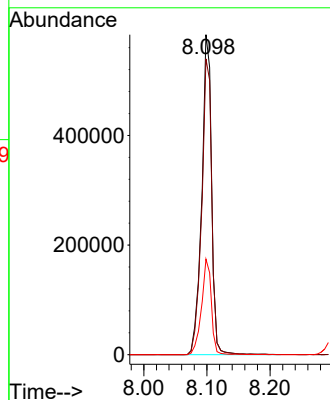
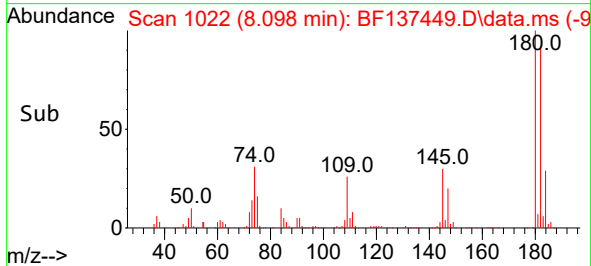


#30
1,2,4-Trichlorobenzene
Concen: 50.575 ng
RT: 8.098 min Scan# 1036
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Instrument :
BNA_F
ClientSampleId :
SP6439

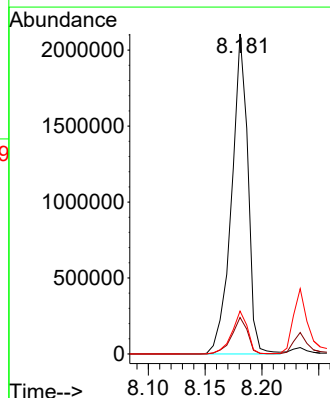
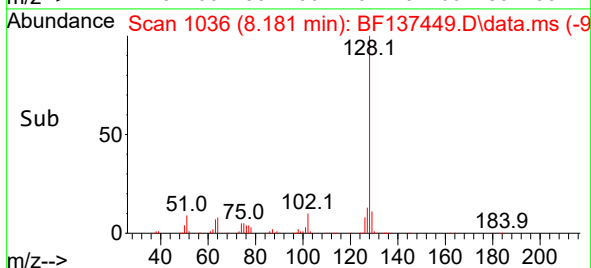
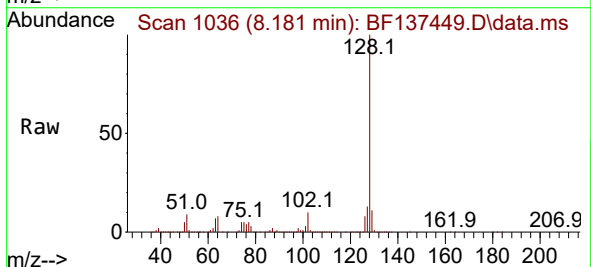


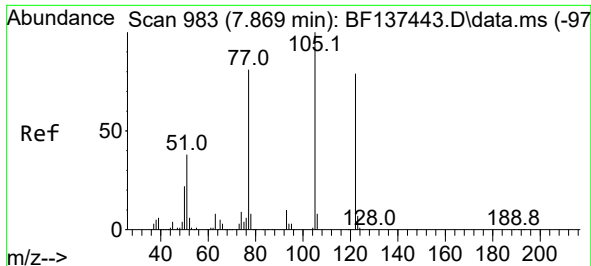
Tgt Ion:180 Resp: 637501
Ion Ratio Lower Upper
180 100
182 92.4 75.0 112.6
145 29.8 23.7 35.5



#31
Naphthalene
Concen: 47.924 ng
RT: 8.181 min Scan# 1036
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:128 Resp: 2092358
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.4 10.8 16.2

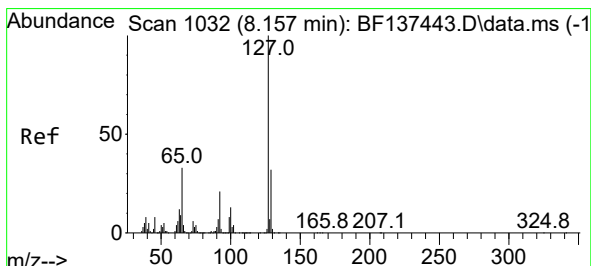
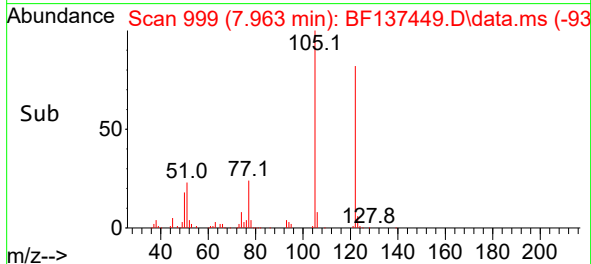
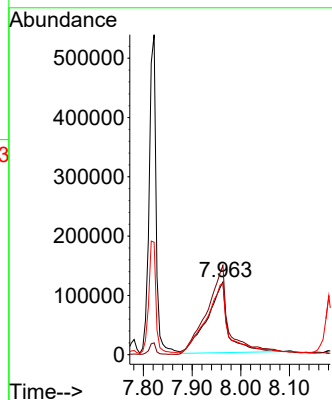
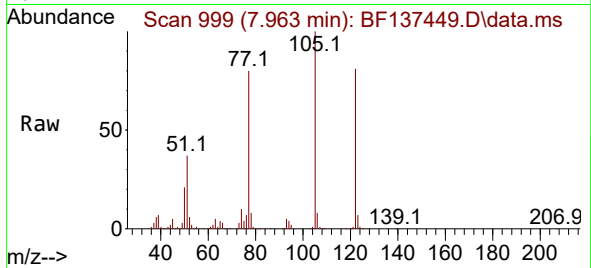




#32
Benzoic acid
Concen: 47.765 ng
RT: 7.963 min Scan# 999
Delta R.T. 0.094 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

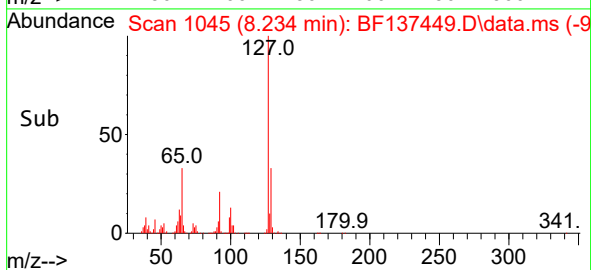
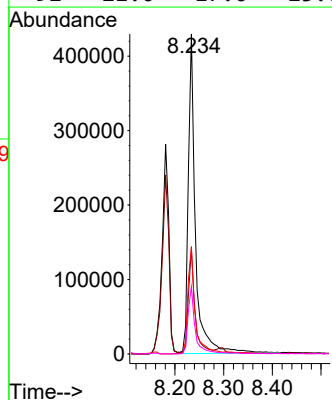
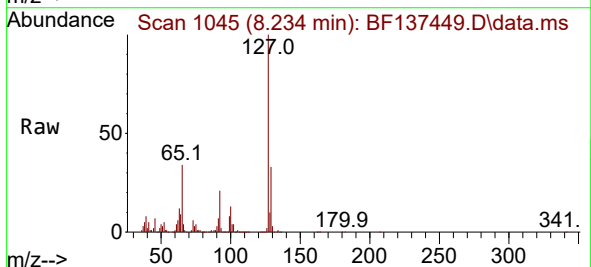
Instrument :
BNA_F
ClientSampleId :
SP6439

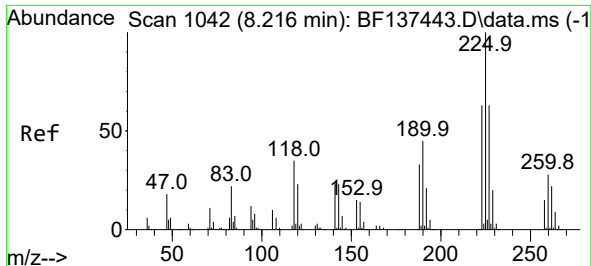
Tgt Ion:122 Resp: 358727
Ion Ratio Lower Upper
122 100
105 123.1 102.4 142.4
77 98.8 81.1 121.1



#33
4-Chloroaniline
Concen: 25.703 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:127 Resp: 440030
Ion Ratio Lower Upper
127 100
129 32.8 26.0 39.0
65 33.5 26.8 40.2
92 21.0 17.0 25.6

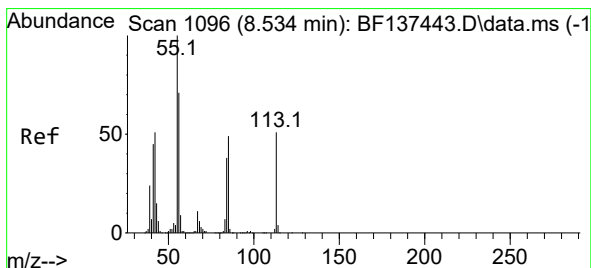
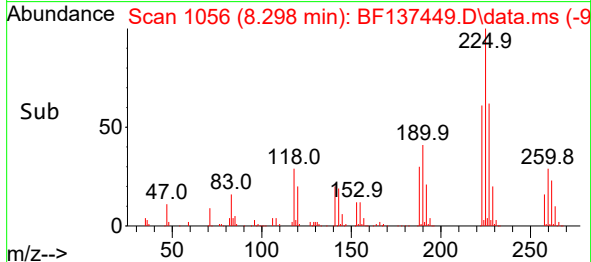
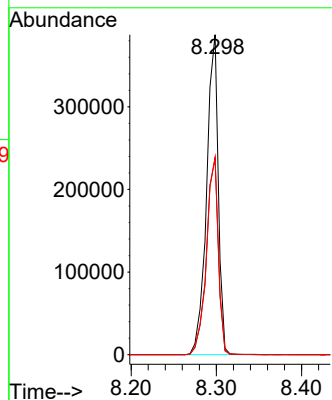
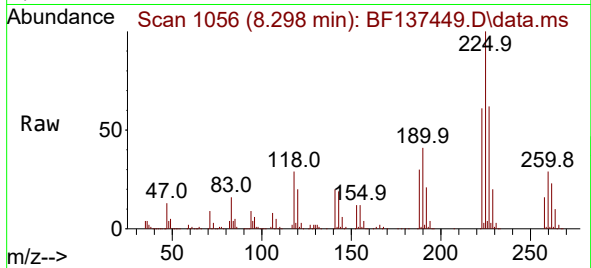




#34
Hexachlorobutadiene
Concen: 49.466 ng
RT: 8.298 min Scan# 110
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

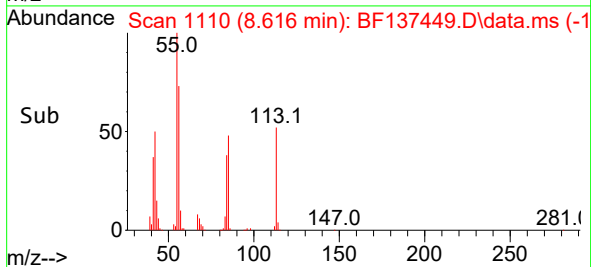
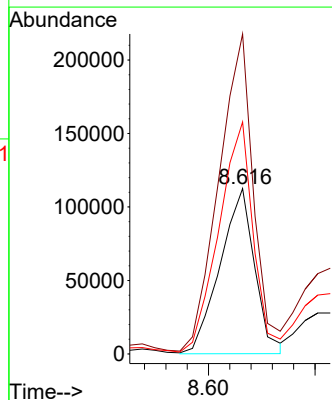
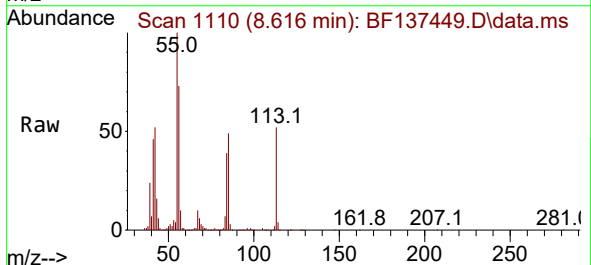
Instrument :
BNA_F
ClientSampleId :
SP6439

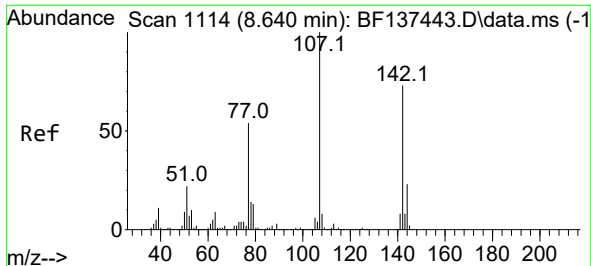
Tgt Ion:225 Resp: 368107
Ion Ratio Lower Upper
225 100
223 61.4 50.7 76.1
227 61.7 50.6 75.8



#35
Caprolactam
Concen: 31.187 ng
RT: 8.616 min Scan# 1110
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:113 Resp: 126666
Ion Ratio Lower Upper
113 100
55 193.4 176.7 216.7
56 140.3 120.6 160.6



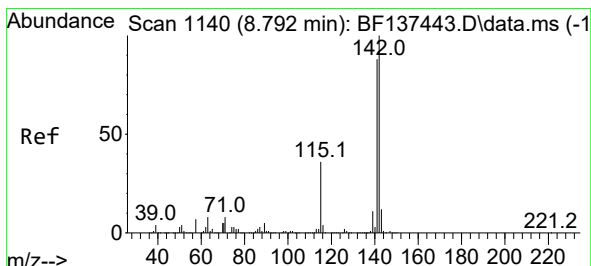
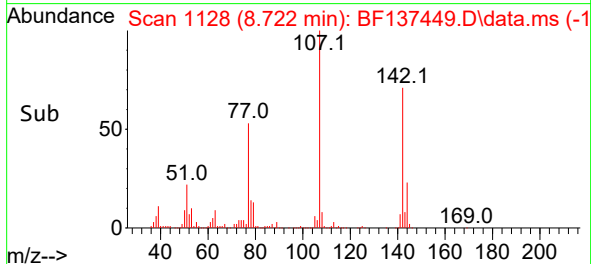
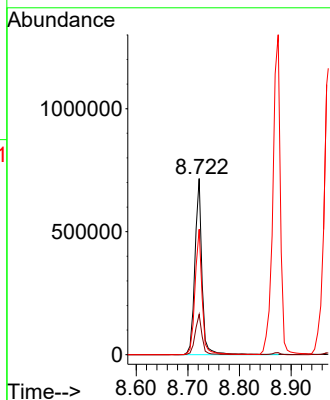
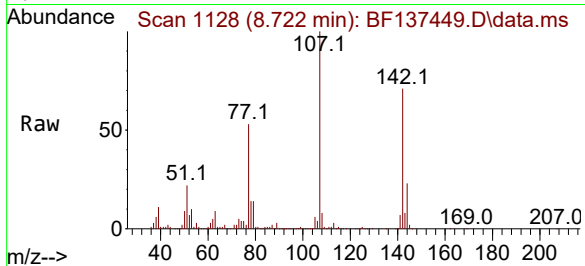


#36
 4-Chloro-3-methylphenol
 Concen: 50.509 ng
 RT: 8.722 min Scan# 1114
 Delta R.T. 0.082 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

Instrument :
 BNA_F
 ClientSampleId :
 SP6439

Tgt Ion:107 Resp: 676261

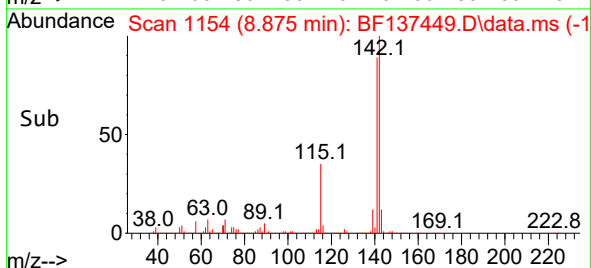
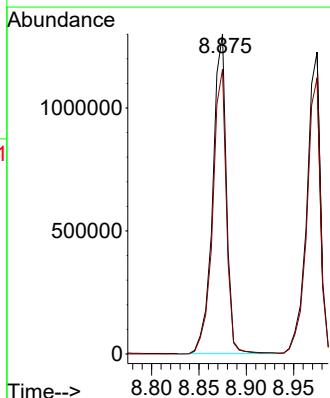
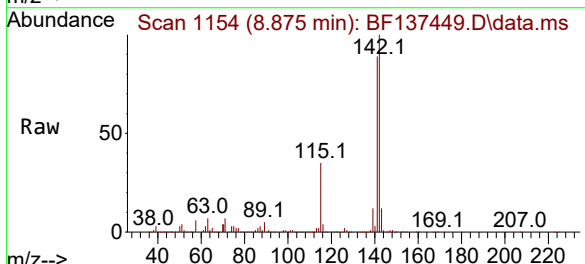
Ion	Ratio	Lower	Upper
107	100		
144	22.9	18.7	28.1
142	71.2	58.2	87.2

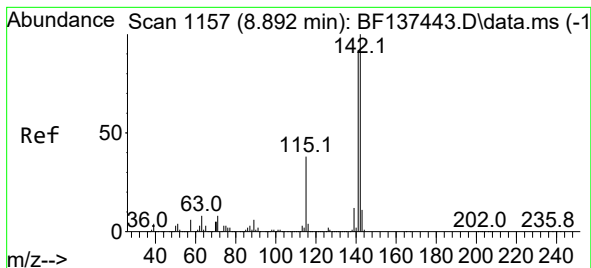


#37
 2-Methylnaphthalene
 Concen: 46.933 ng
 RT: 8.875 min Scan# 1154
 Delta R.T. 0.082 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

Tgt Ion:142 Resp: 1306291

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.4	105.6





#38

1-Methylnaphthalene

Concen: 46.630 ng

RT: 8.975 min Scan# 1157

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

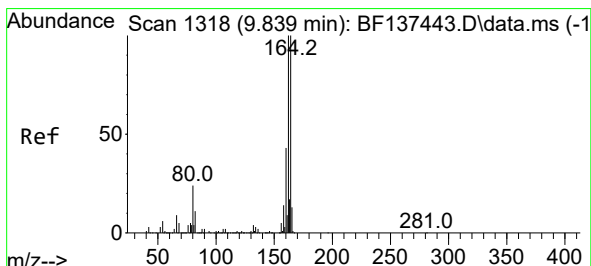
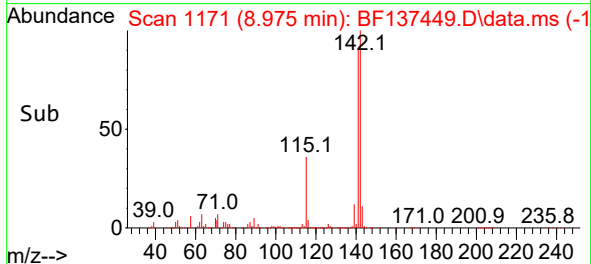
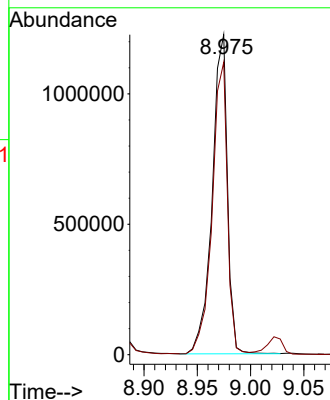
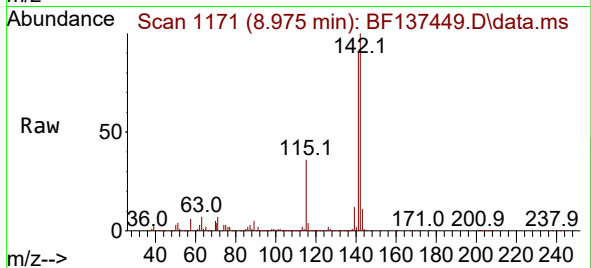
SP6439

Tgt Ion:142 Resp: 1222227

Ion Ratio Lower Upper

142 100

141 91.4 73.4 110.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.077 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

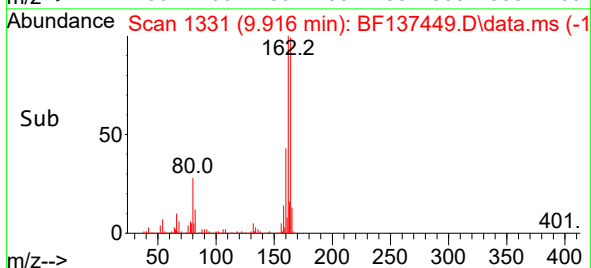
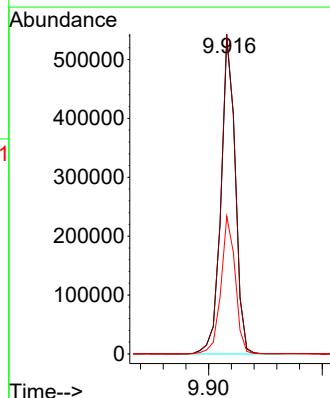
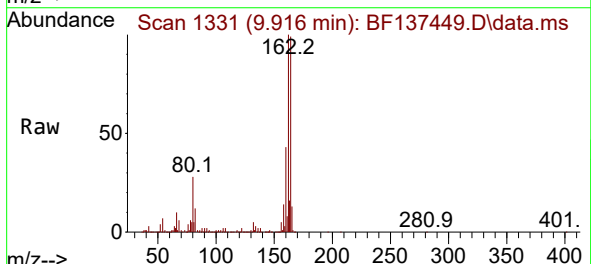
Tgt Ion:164 Resp: 473789

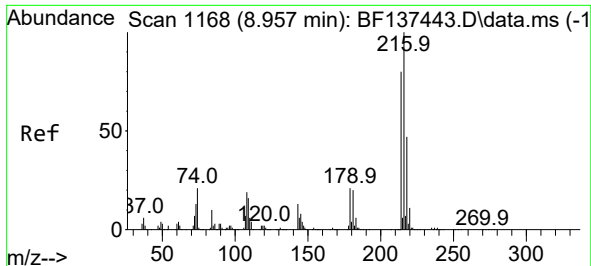
Ion Ratio Lower Upper

164 100

162 101.5 79.8 119.8

160 43.7 34.4 51.6

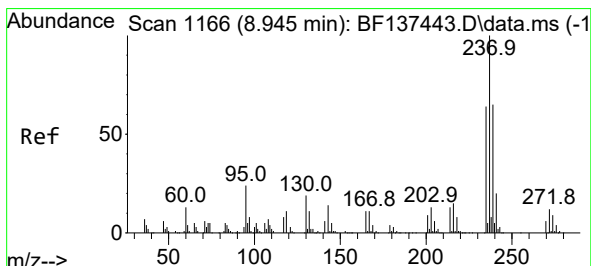
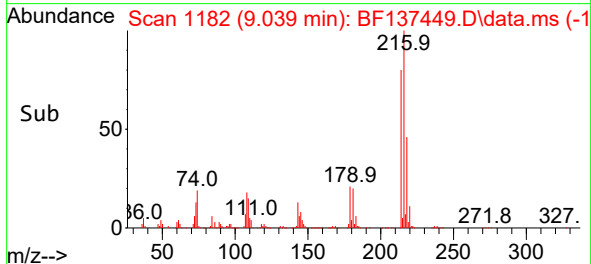
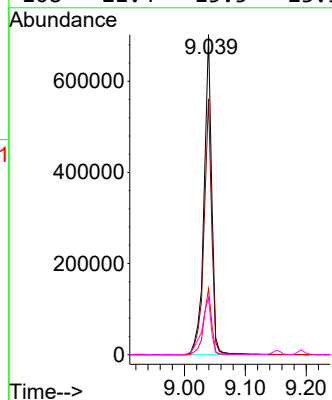
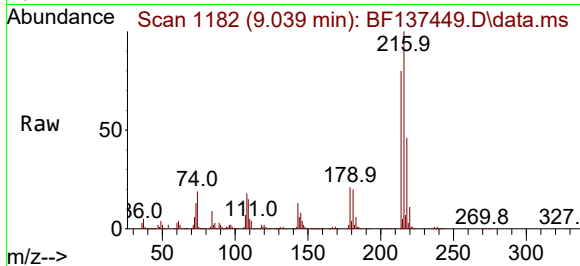




#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.779 ng
RT: 9.039 min Scan# 1182
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

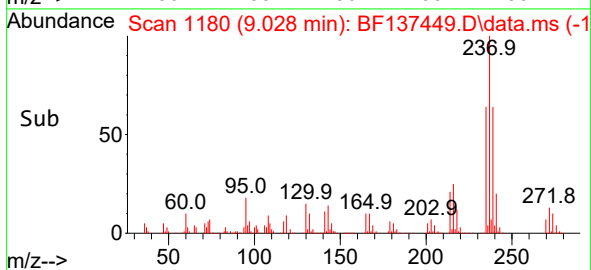
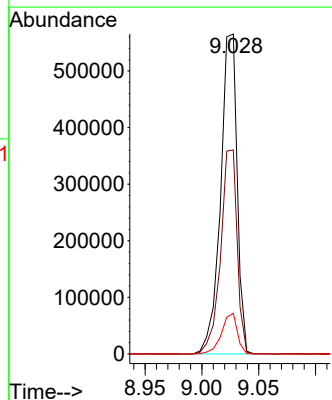
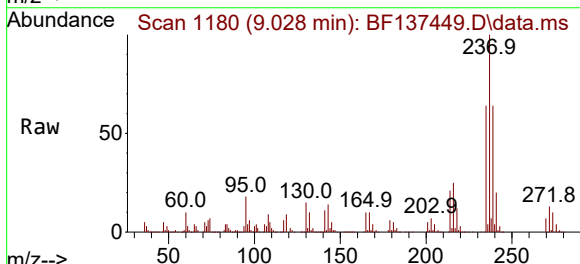
Instrument :
BNA_F
ClientSampleId :
SP6439

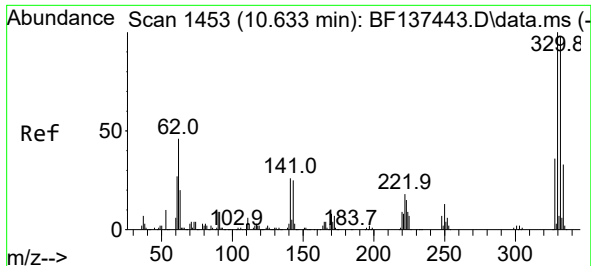
Tgt Ion:	216	Resp:	618752
Ion Ratio	Lower	Upper	
216	100		
214	80.1	63.5	95.3
179	20.8	16.6	25.0
108	21.4	15.5	23.3



#41
Hexachlorocyclopentadiene
Concen: 104.301 ng
RT: 9.028 min Scan# 1180
Delta R.T. 0.083 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:	237	Resp:	578069
Ion Ratio	Lower	Upper	
237	100		
235	63.8	43.6	83.6
272	12.7	0.0	31.9

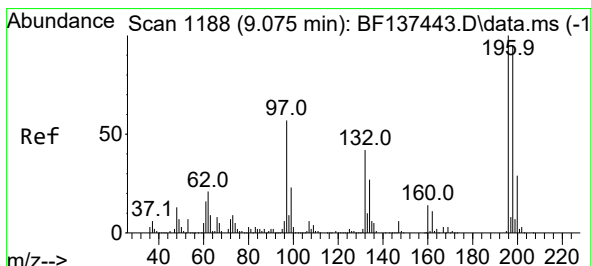
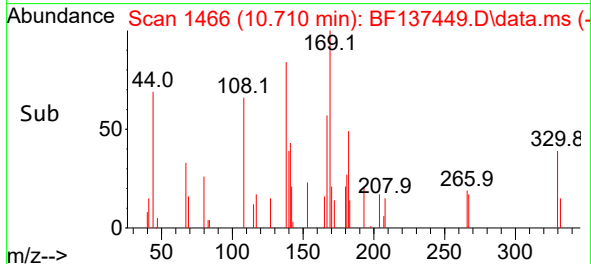
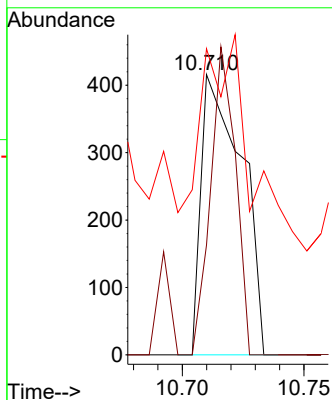
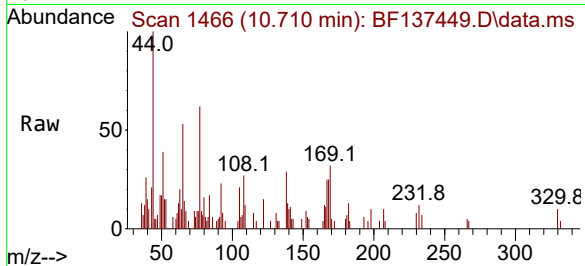




#42
2,4,6-Tribromophenol
Concen: 0.115 ng
RT: 10.710 min Scan# 1453
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

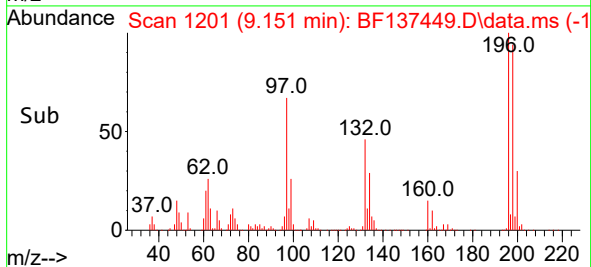
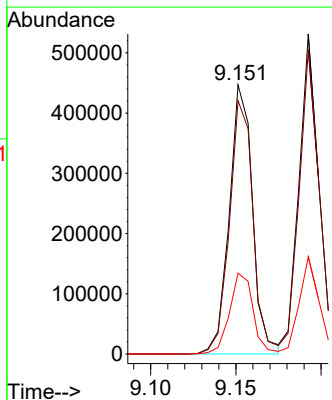
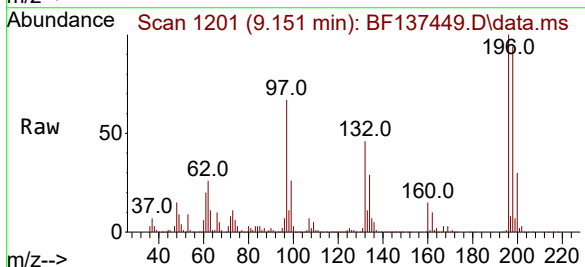
Instrument :
BNA_F
ClientSampleId :
SP6439

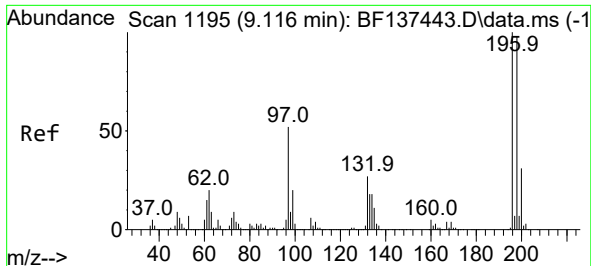
Tgt Ion:330 Resp: 480
Ion Ratio Lower Upper
330 100
332 67.9 78.0 117.0#
141 0.0 27.3 40.9#



#43
2,4,6-Trichlorophenol
Concen: 49.271 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:196 Resp: 424394
Ion Ratio Lower Upper
196 100
198 94.2 75.8 113.8
200 30.0 23.5 35.3

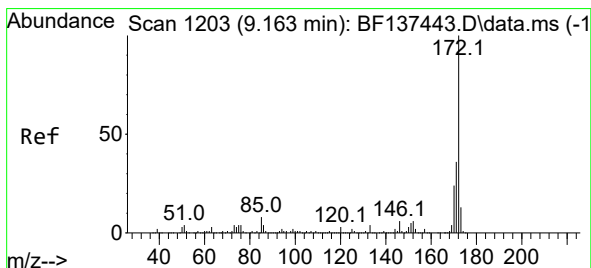
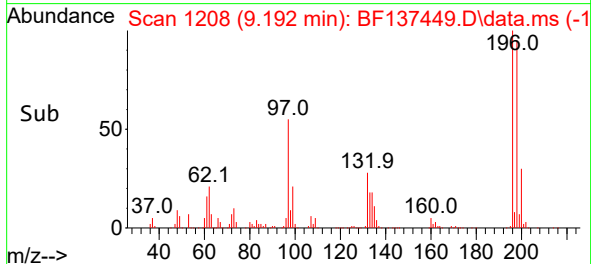
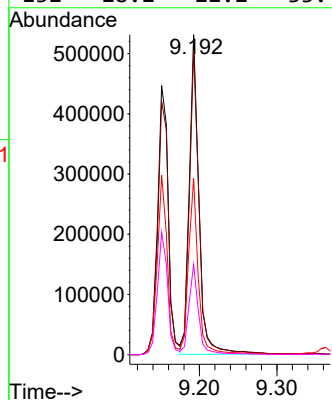
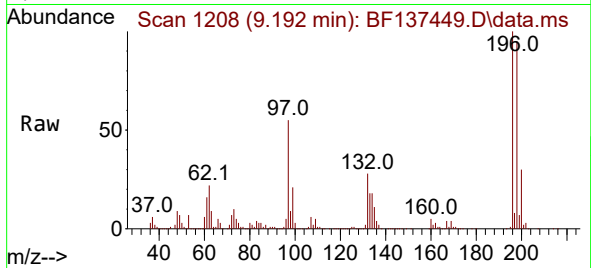




#44
 2,4,5-Trichlorophenol
 Concen: 46.336 ng
 RT: 9.192 min Scan# 1195
 Delta R.T. 0.076 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

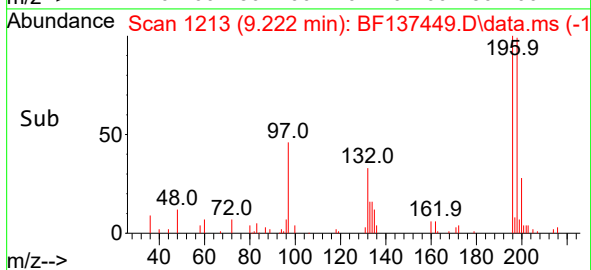
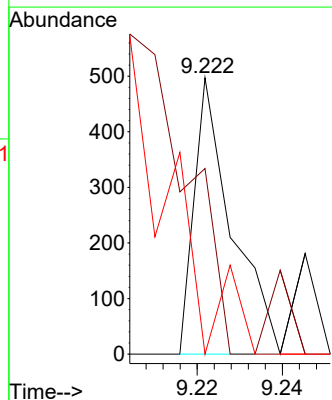
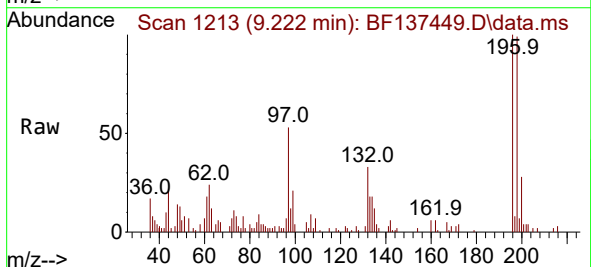
Instrument :
 BNA_F
 ClientSampleId :
 SP6439

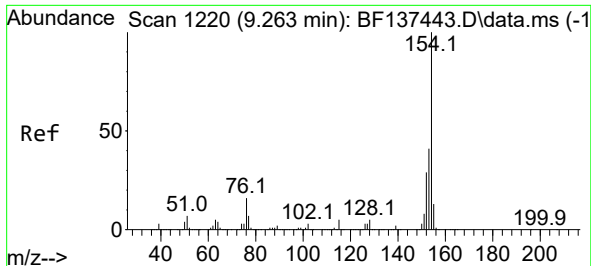
Tgt Ion:196 Resp: 459758
 Ion Ratio Lower Upper
 196 100
 198 95.1 78.6 117.8
 97 55.1 41.8 62.8
 132 28.2 22.2 33.4



#45
 2-Fluorobiphenyl
 Concen: 0.010 ng
 RT: 9.222 min Scan# 1213
 Delta R.T. 0.059 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

Tgt Ion:172 Resp: 304
 Ion Ratio Lower Upper
 172 100
 171 67.2 28.5 42.7#
 170 0.0 19.0 28.6#

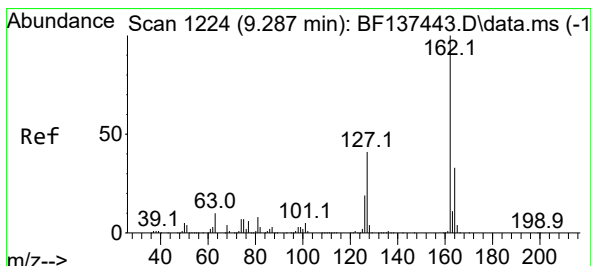
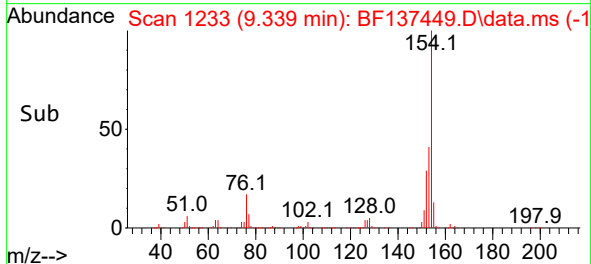
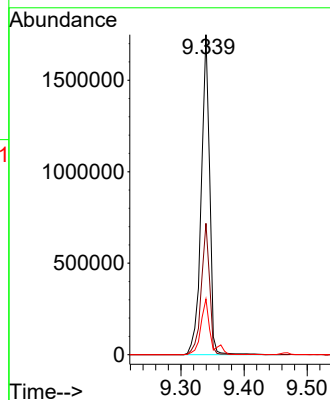
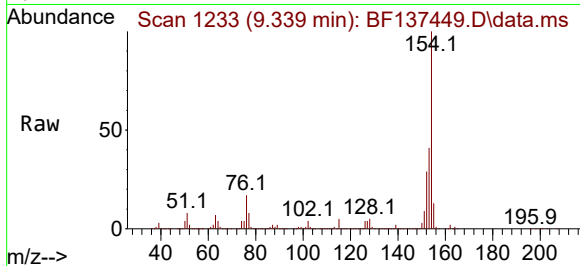




#46
1,1'-Biphenyl
Concen: 46.493 ng
RT: 9.339 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

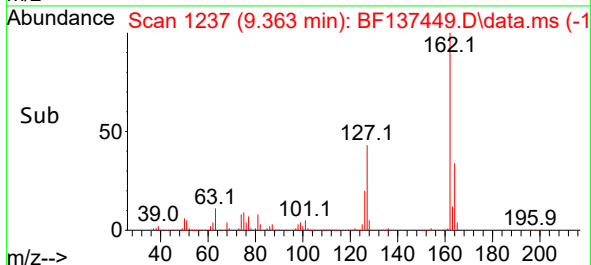
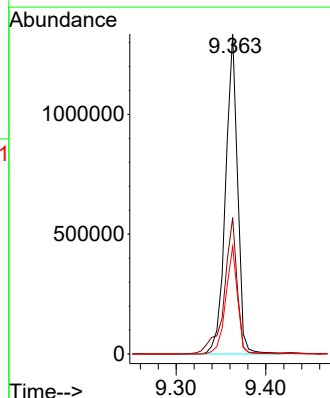
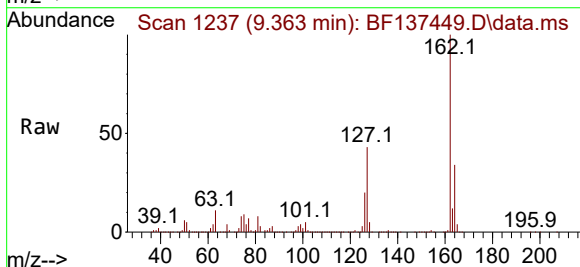
Instrument :
BNA_F
ClientSampleId :
SP6439

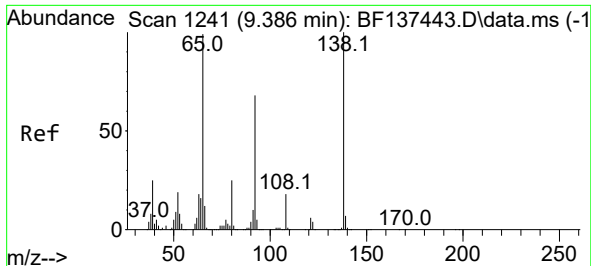
Tgt Ion:154 Resp: 1612256
Ion Ratio Lower Upper
154 100
153 41.1 21.0 61.0
76 17.4 0.0 35.8



#47
2-Chloronaphthalene
Concen: 47.149 ng
RT: 9.363 min Scan# 1237
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:162 Resp: 1246536
Ion Ratio Lower Upper
162 100
127 42.6 32.6 49.0
164 33.6 26.5 39.7

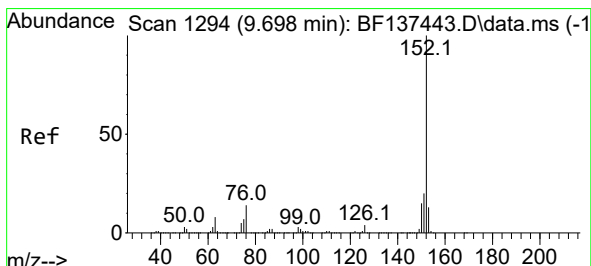
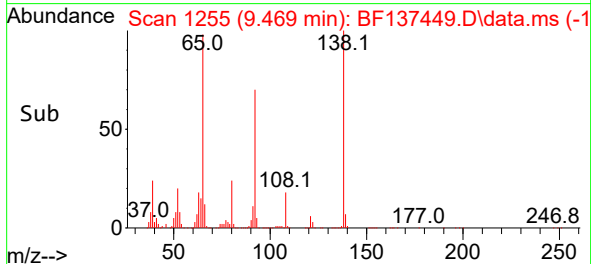
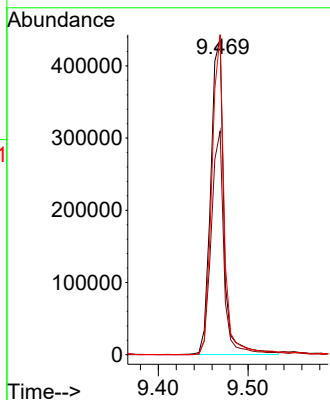
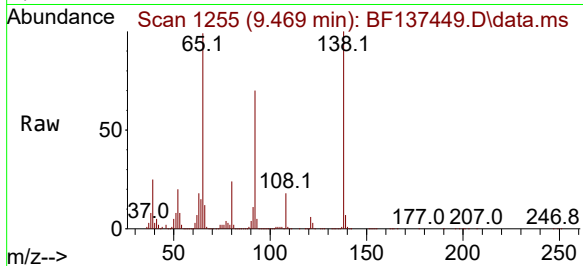




#48
2-Nitroaniline
Concen: 49.400 ng
RT: 9.469 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

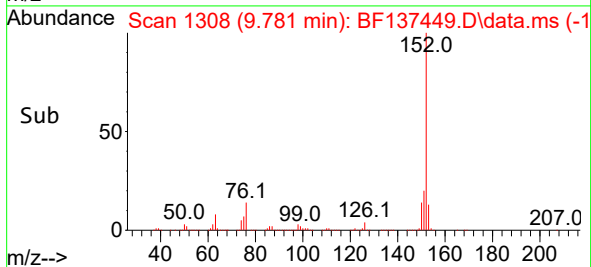
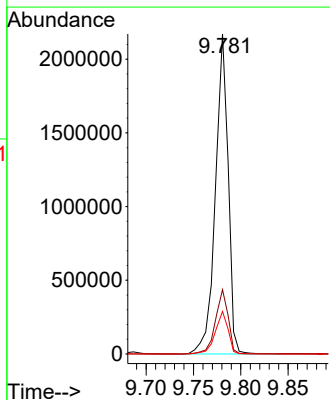
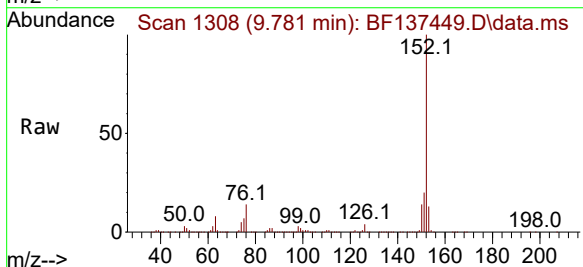
Instrument :
BNA_F
ClientSampleId :
SP6439

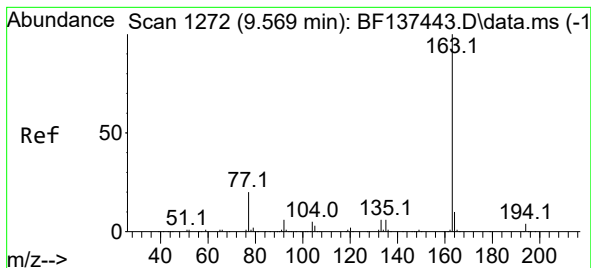
Tgt Ion: 65 Resp: 443919
Ion Ratio Lower Upper
65 100
92 70.9 55.4 83.2
138 101.5 81.0 121.6



#49
Acenaphthylene
Concen: 47.906 ng
RT: 9.781 min Scan# 1308
Delta R.T. 0.083 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion: 152 Resp: 2026942
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 13.3 10.8 16.2





#50

Dimethylphthalate

Concen: 46.220 ng

RT: 9.651 min Scan# 1286

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

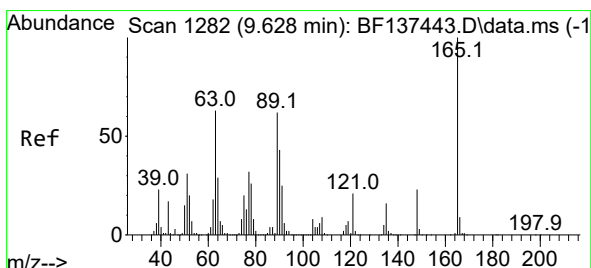
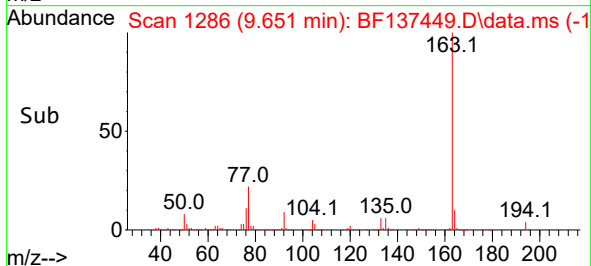
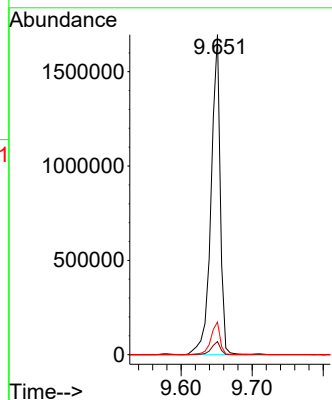
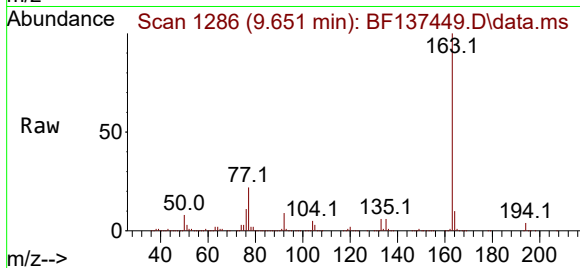
Tgt Ion:163 Resp: 1524393

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.2 8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 49.051 ng

RT: 9.710 min Scan# 1296

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

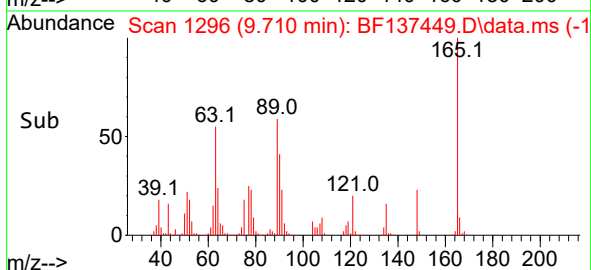
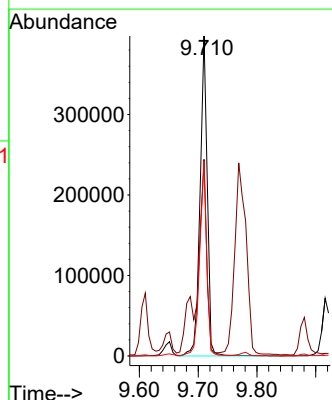
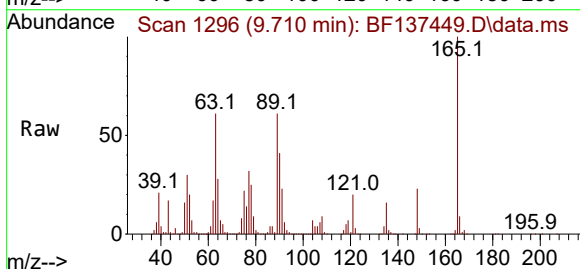
Tgt Ion:165 Resp: 338372

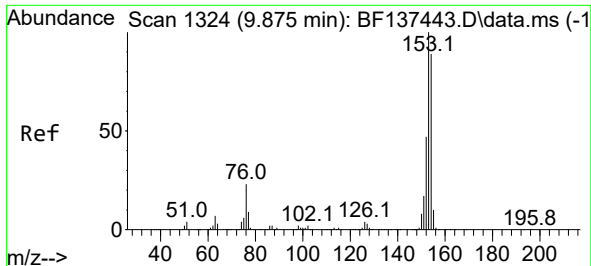
Ion Ratio Lower Upper

165 100

63 61.4 50.7 76.1

89 61.0 50.0 75.0

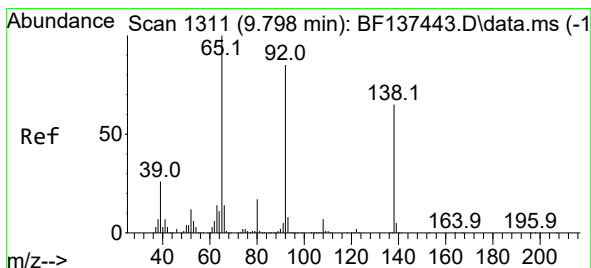
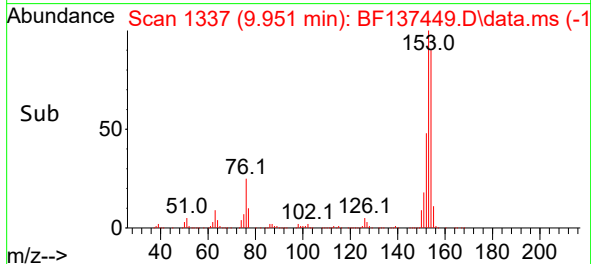
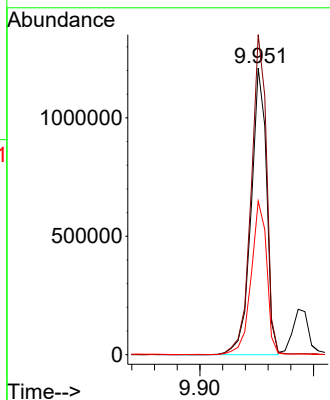
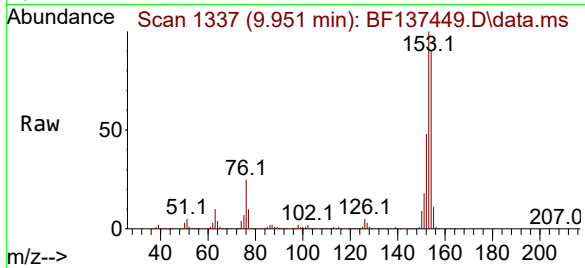




#52
Acenaphthene
Concen: 45.266 ng
RT: 9.951 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

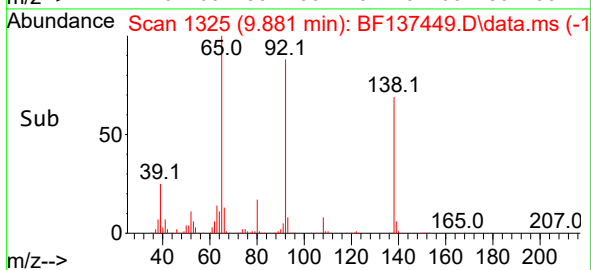
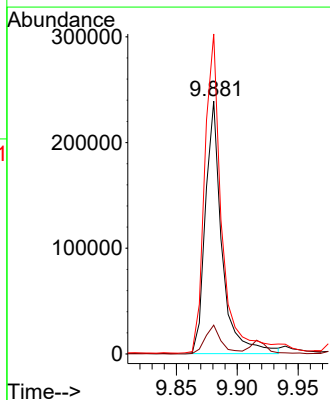
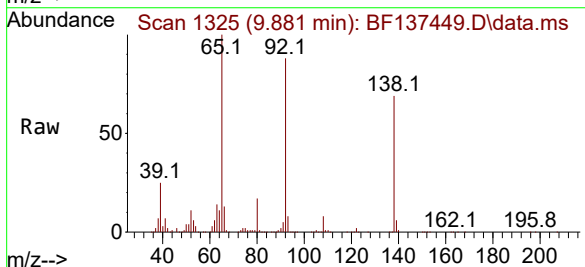
Instrument :
BNA_F
ClientSampleId :
SP6439

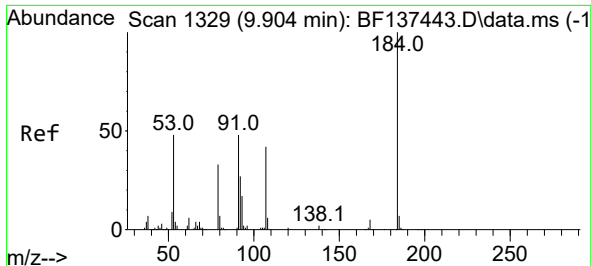
Tgt Ion:154 Resp: 1143406
Ion Ratio Lower Upper
154 100
153 111.7 90.3 135.5
152 53.6 42.7 64.1



#53
3-Nitroaniline
Concen: 30.880 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:138 Resp: 225323
Ion Ratio Lower Upper
138 100
108 11.4 9.1 13.7
92 126.6 104.6 157.0

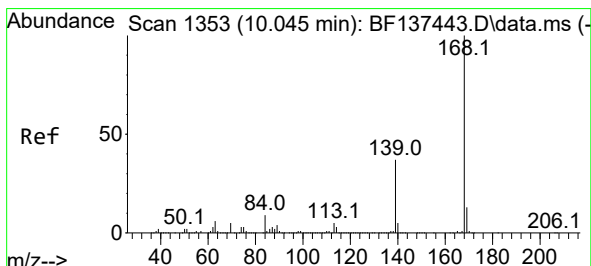
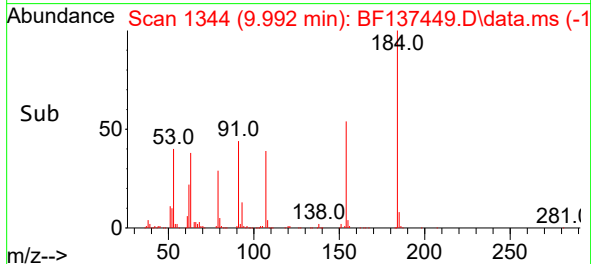
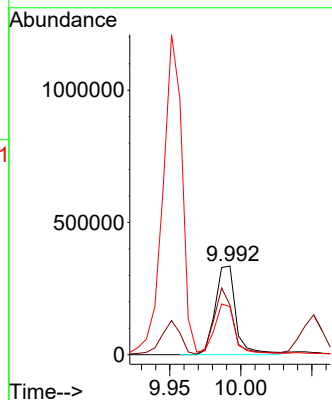
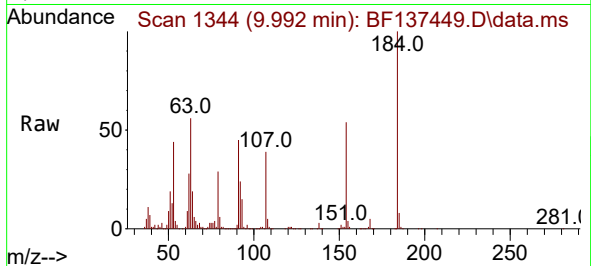




#54
2,4-Dinitrophenol
Concen: 98.945 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.088 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

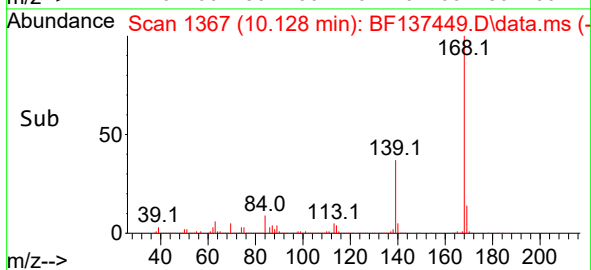
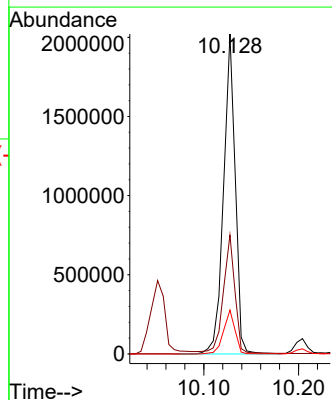
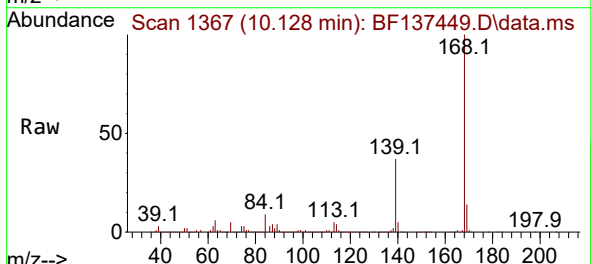
Instrument :
BNA_F
ClientSampleId :
SP6439

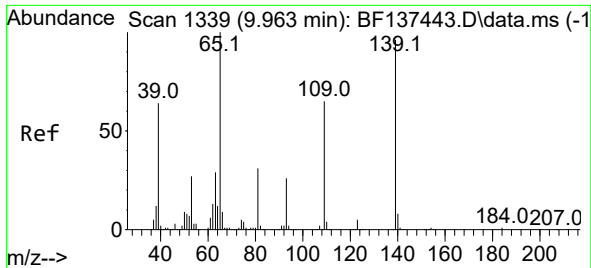
Tgt Ion:184 Resp: 340220
Ion Ratio Lower Upper
184 100
63 55.9 53.3 79.9
154 54.2 47.4 71.0



#55
Dibenzofuran
Concen: 45.198 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.083 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:168 Resp: 1738885
Ion Ratio Lower Upper
168 100
139 37.1 29.8 44.6
169 13.7 10.8 16.2

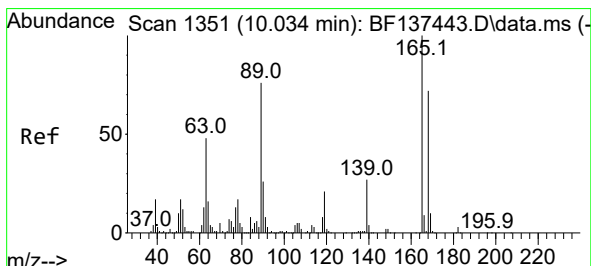
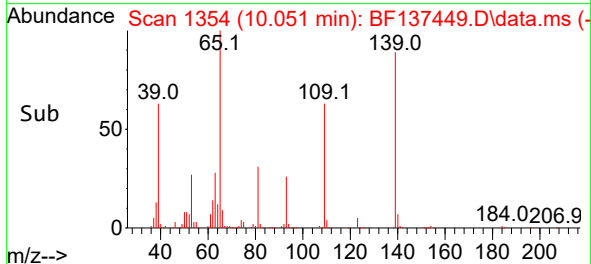
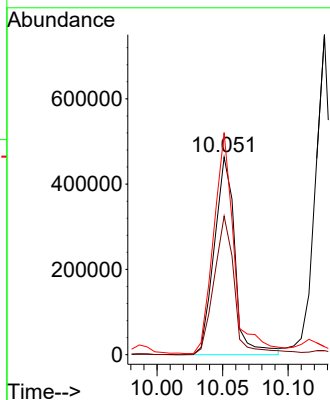
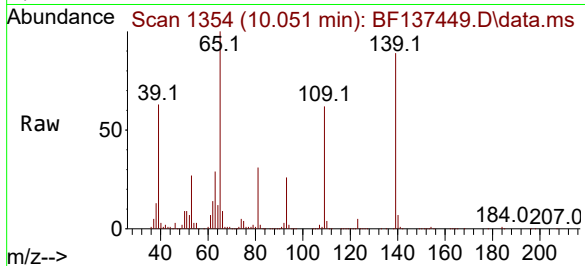




#56
4-Nitrophenol
Concen: 96.362 ng
RT: 10.051 min Scan# 1354
Delta R.T. 0.088 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

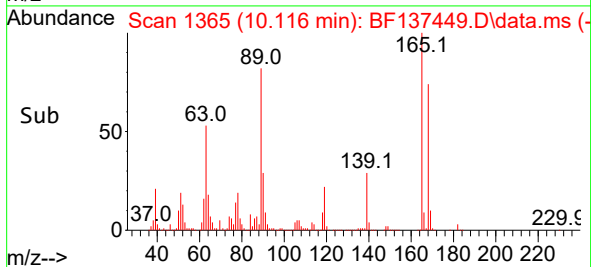
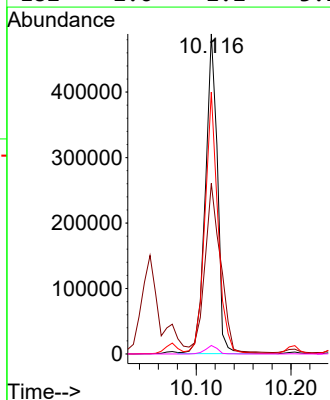
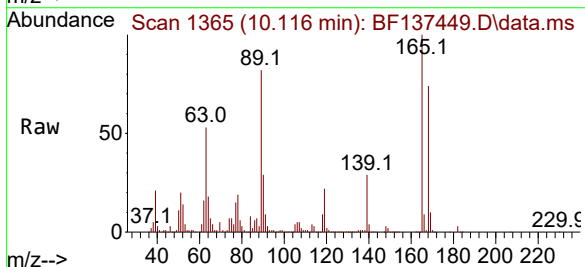
Instrument :
BNA_F
ClientSampleId :
SP6439

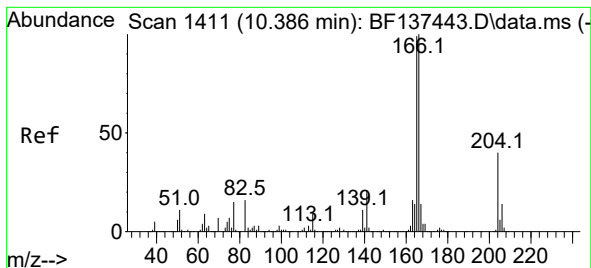
Tgt Ion:139 Resp: 505331
Ion Ratio Lower Upper
139 100
109 70.1 47.1 87.1
65 112.4 85.1 125.1



#57
2,4-Dinitrotoluene
Concen: 50.812 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:165 Resp: 430636
Ion Ratio Lower Upper
165 100
63 53.3 39.0 58.6
89 81.9 60.9 91.3
182 2.6 2.2 3.2





#58

Fluorene

Concen: 45.004 ng

RT: 10.475 min Scan# 1411

Delta R.T. 0.088 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

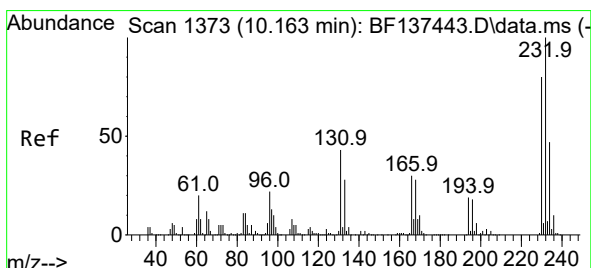
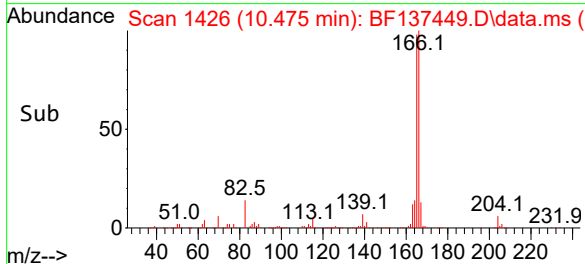
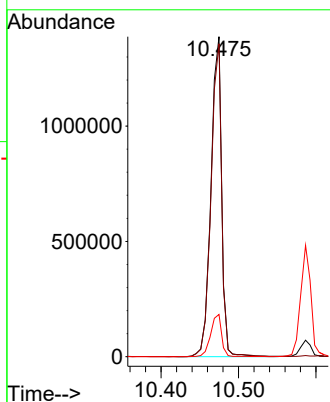
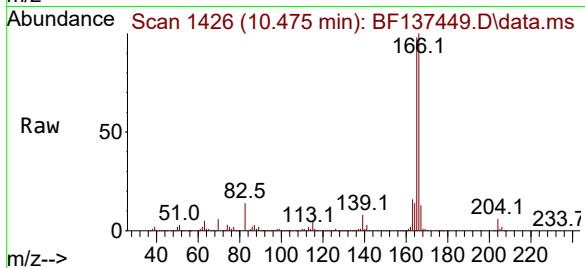
Tgt Ion:166 Resp: 1329706

Ion Ratio Lower Upper

166 100

165 97.8 79.2 118.8

167 13.2 11.0 16.6



#59

2,3,4,6-Tetrachlorophenol

Concen: 48.110 ng

RT: 10.204 min Scan# 1380

Delta R.T. 0.041 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Tgt Ion:232 Resp: 382803

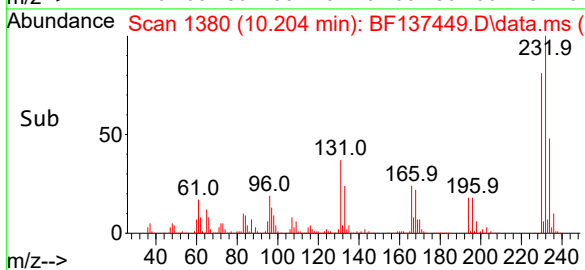
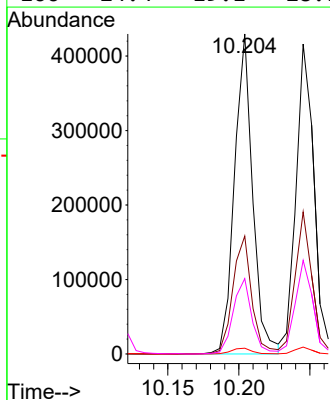
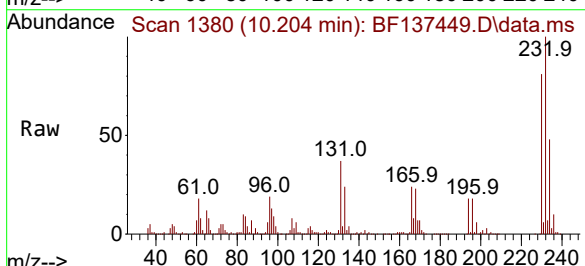
Ion Ratio Lower Upper

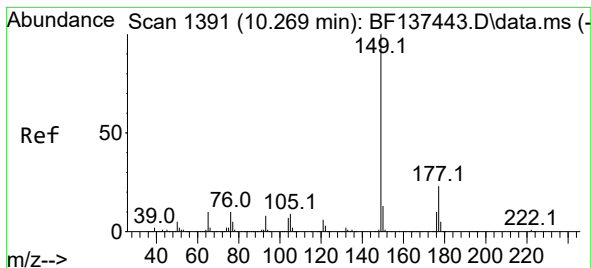
232 100

131 38.5 31.2 46.8

130 2.1 1.8 2.6

166 24.4 19.1 28.7





#60

Diethylphthalate

Concen: 45.929 ng

RT: 10.351 min Scan# 1405

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

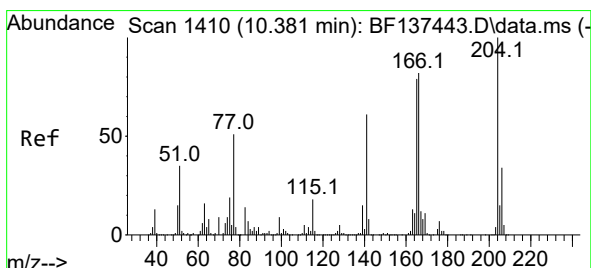
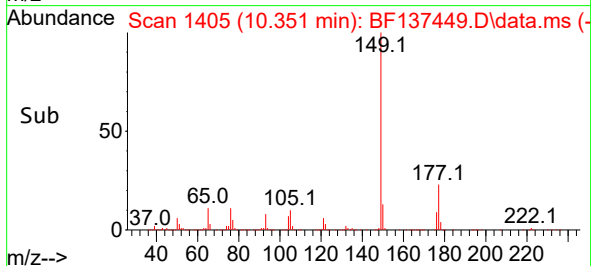
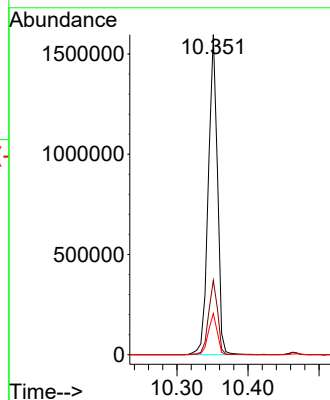
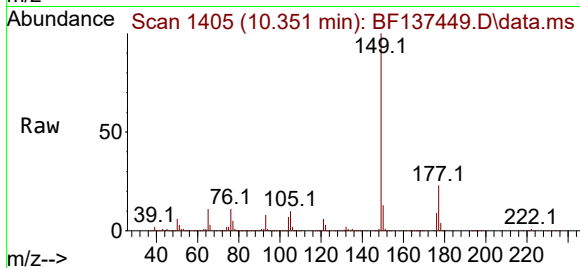
Tgt Ion:149 Resp: 1430465

Ion Ratio Lower Upper

149 100

177 23.3 18.7 28.1

150 12.9 10.2 15.4



#61

4-Chlorophenyl-phenylether

Concen: 43.734 ng

RT: 10.463 min Scan# 1424

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

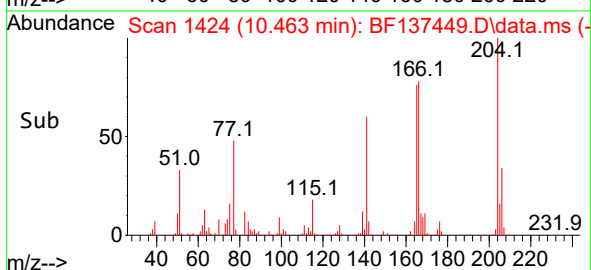
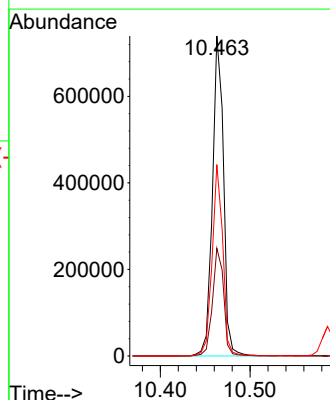
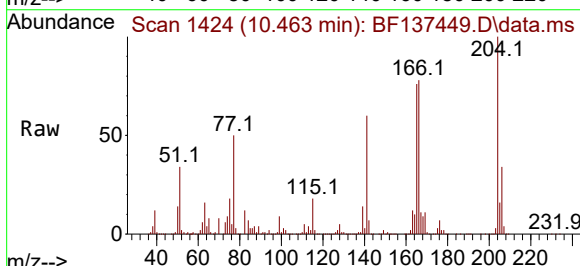
Tgt Ion:204 Resp: 633290

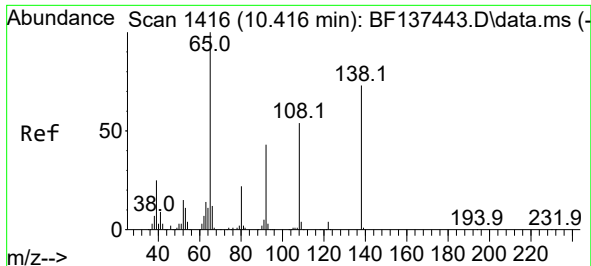
Ion Ratio Lower Upper

204 100

206 33.7 27.4 41.0

141 59.8 48.4 72.6

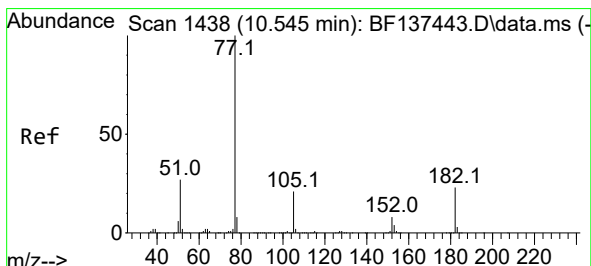
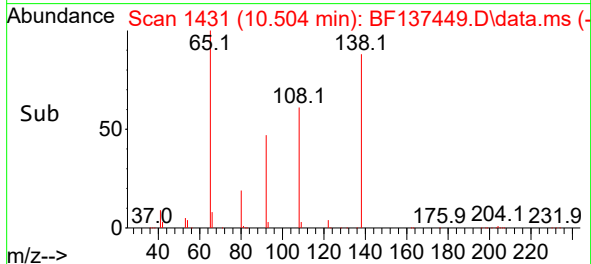
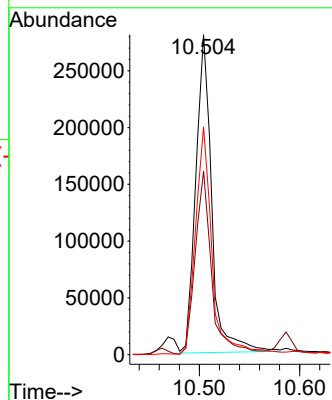
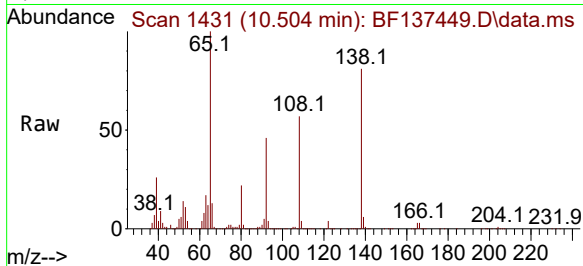




#62
4-Nitroaniline
Concen: 49.277 ng
RT: 10.504 min Scan# 1416
Delta R.T. 0.088 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

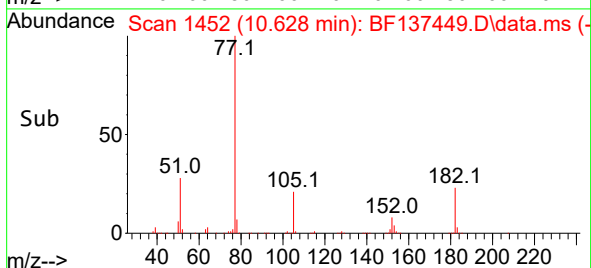
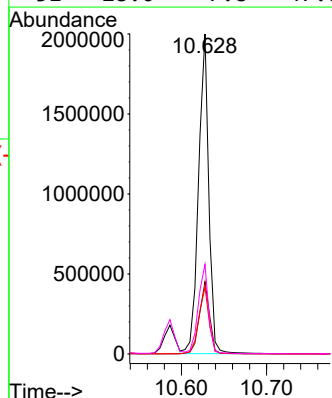
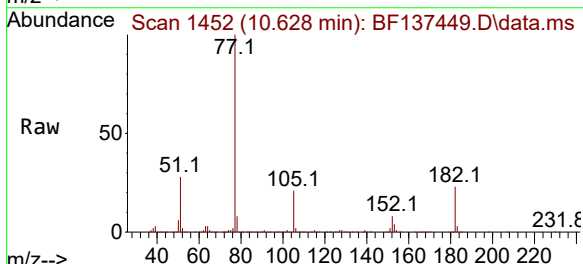
Instrument :
BNA_F
ClientSampleId :
SP6439

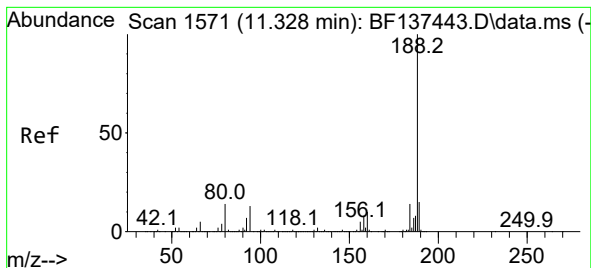
Tgt Ion:138 Resp: 309032
Ion Ratio Lower Upper
138 100
92 57.4 37.9 77.9
108 71.2 53.2 93.2



#63
Azobenzene
Concen: 46.649 ng
RT: 10.628 min Scan# 1452
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion: 77 Resp: 1672973
Ion Ratio Lower Upper
77 100
182 22.6 3.2 43.2
105 20.9 1.2 41.2
51 28.0 7.8 47.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 11

Delta R.T. 0.088 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

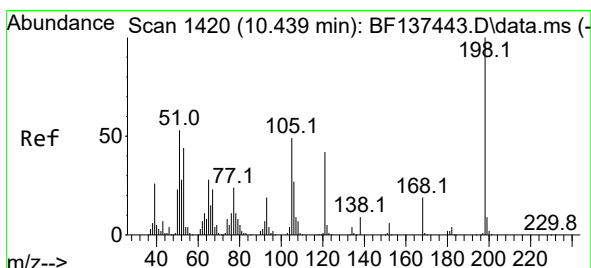
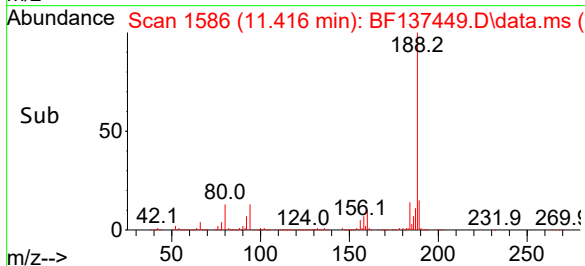
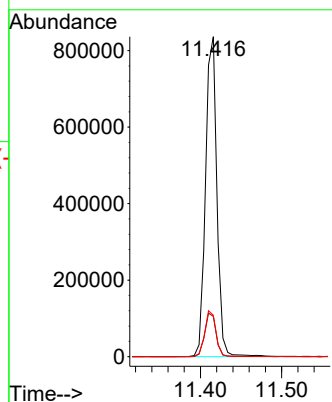
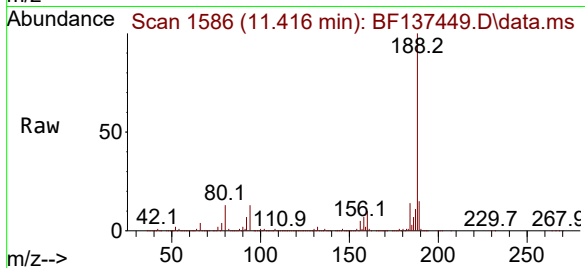
Tgt Ion:188 Resp: 811175

Ion Ratio Lower Upper

188 100

94 12.6 10.6 15.8

80 13.0 11.5 17.3



#65

4,6-Dinitro-2-methylphenol

Concen: 54.084 ng

RT: 10.528 min Scan# 1435

Delta R.T. 0.089 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

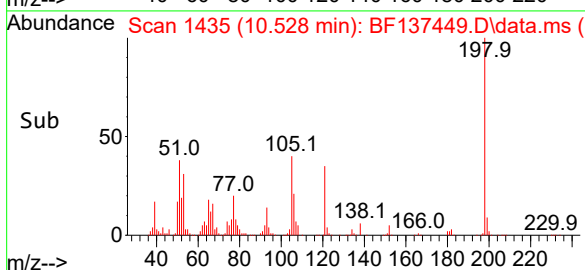
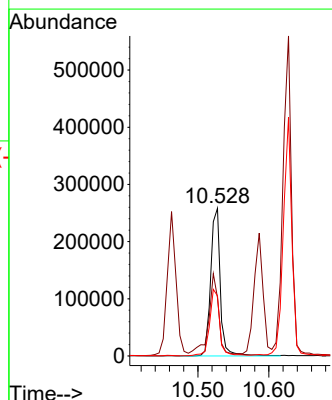
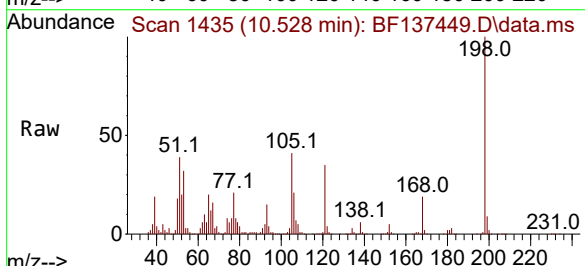
Tgt Ion:198 Resp: 244516

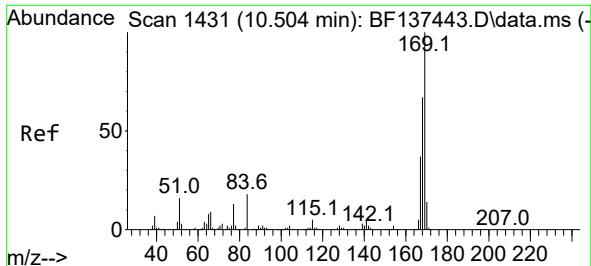
Ion Ratio Lower Upper

198 100

51 39.4 37.2 77.2

105 40.7 29.2 69.2

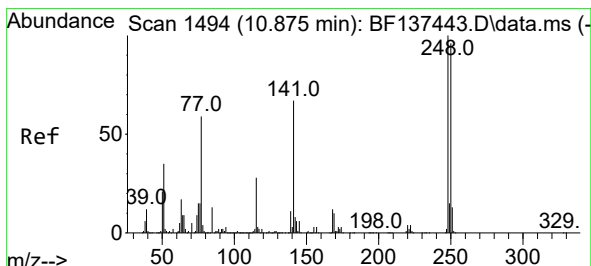
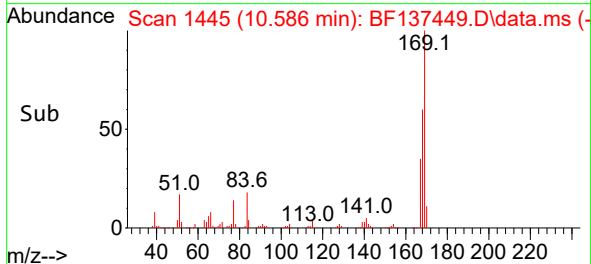
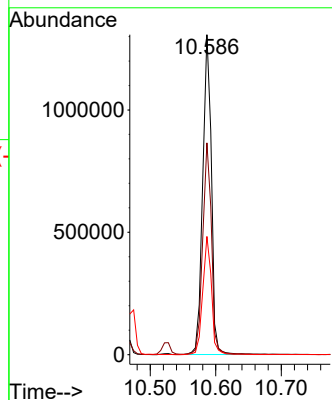
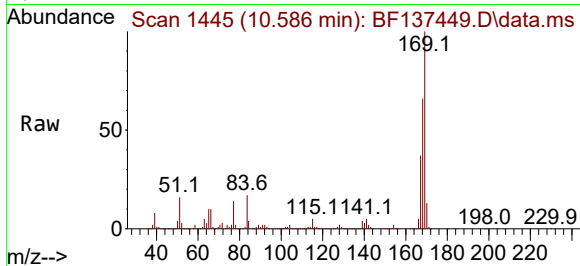




#66
n-Nitrosodiphenylamine
Concen: 46.345 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

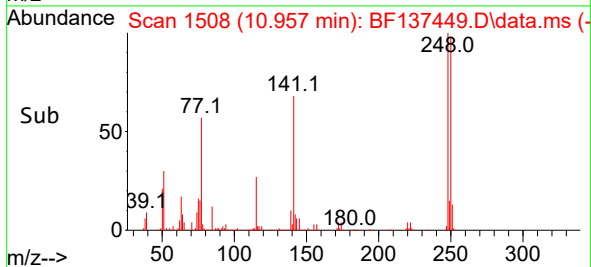
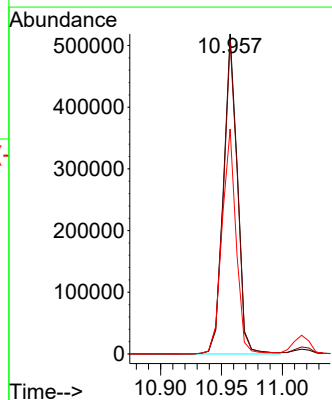
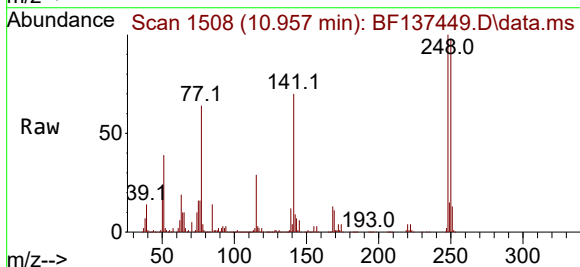
Instrument :
BNA_F
ClientSampleId :
SP6439

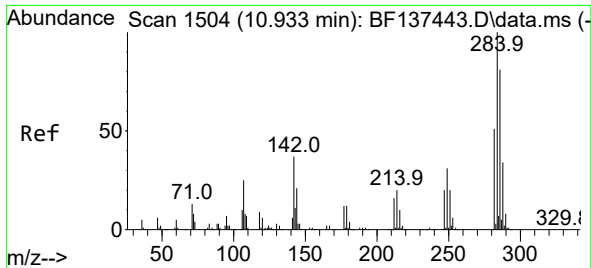
Tgt Ion:169 Resp: 1210581
Ion Ratio Lower Upper
169 100
168 66.2 53.8 80.6
167 36.9 29.6 44.4



#67
4-Bromophenyl-phenylether
Concen: 47.051 ng
RT: 10.957 min Scan# 1508
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:248 Resp: 415704
Ion Ratio Lower Upper
248 100
250 97.8 76.8 115.2
141 70.3 53.4 80.0

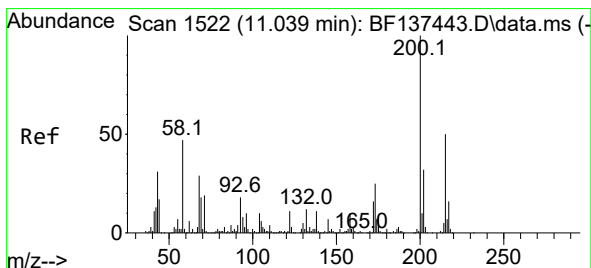
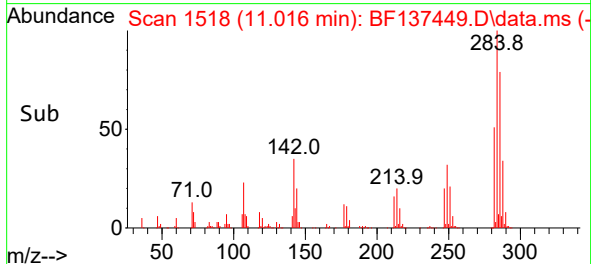
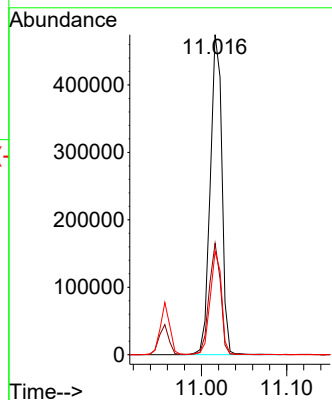
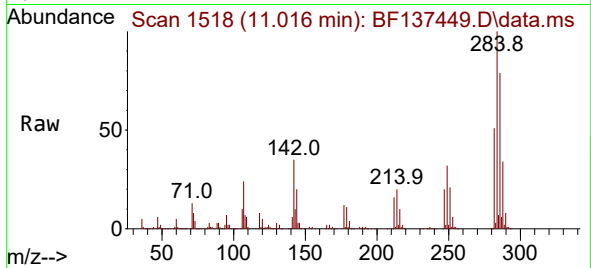




#68
Hexachlorobenzene
Concen: 50.542 ng
RT: 11.016 min Scan# 1518
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

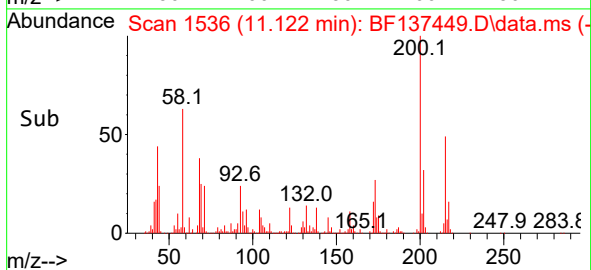
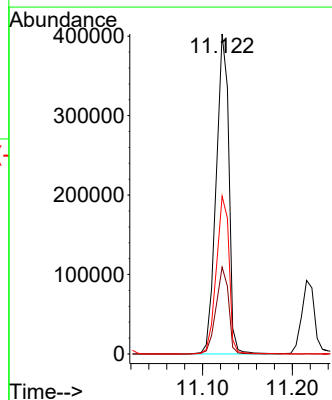
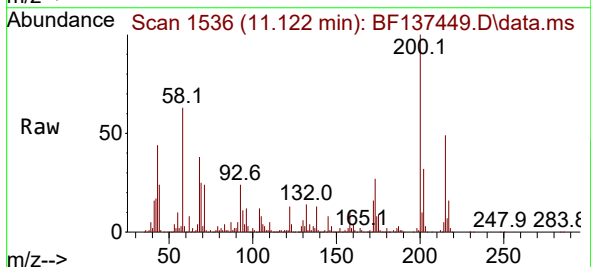
Instrument :
BNA_F
ClientSampleId :
SP6439

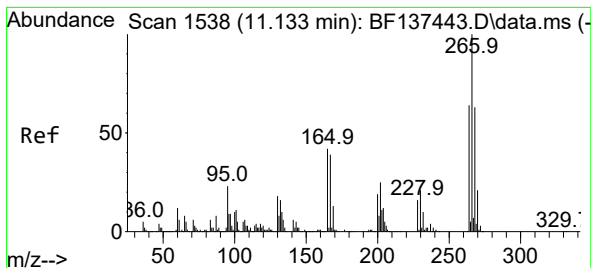
Tgt Ion:284 Resp: 451021
Ion Ratio Lower Upper
284 100
142 34.8 29.4 44.0
249 32.2 25.0 37.4



#69
Atrazine
Concen: 49.821 ng
RT: 11.122 min Scan# 1536
Delta R.T. 0.082 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:200 Resp: 395611
Ion Ratio Lower Upper
200 100
173 27.2 5.1 45.1
215 49.3 30.4 70.4





#70

Pentachlorophenol

Concen: 95.096 ng

RT: 11.222 min Scan# 1553

Delta R.T. 0.089 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

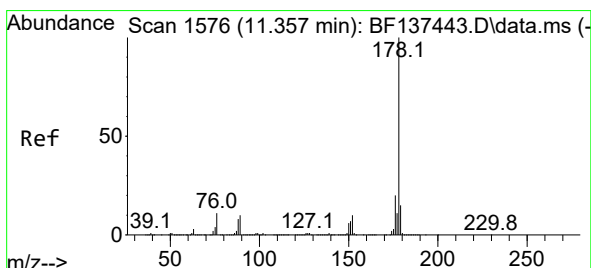
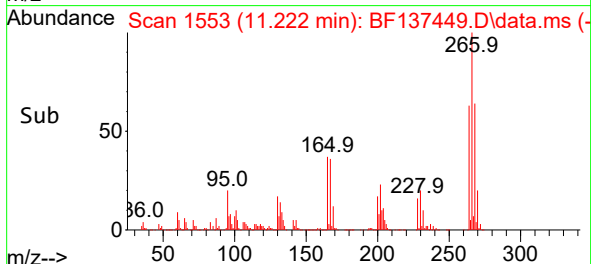
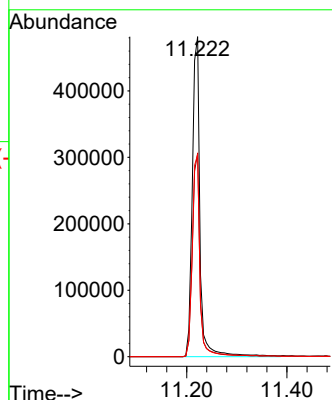
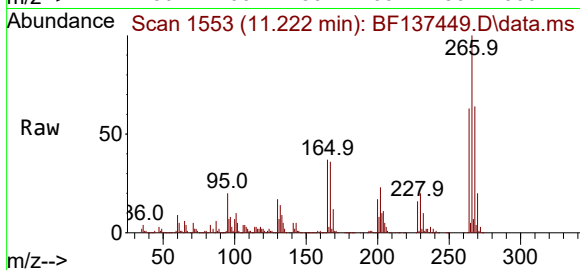
Tgt Ion:266 Resp: 512994

Ion Ratio Lower Upper

266 100

268 63.6 50.2 75.2

264 63.2 50.9 76.3



#71

Phenanthrene

Concen: 45.983 ng

RT: 11.439 min Scan# 1590

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

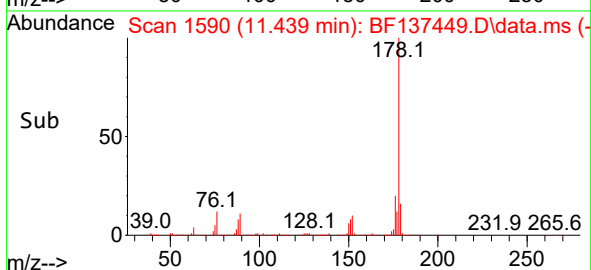
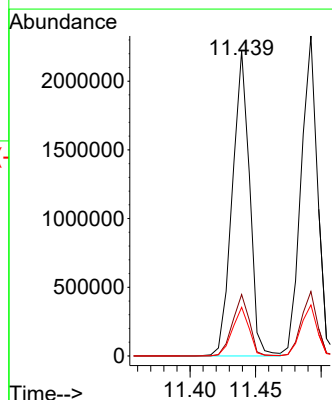
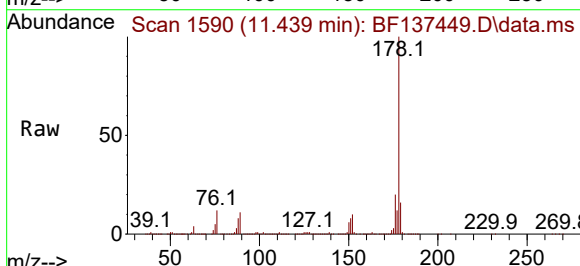
Tgt Ion:178 Resp: 2029952

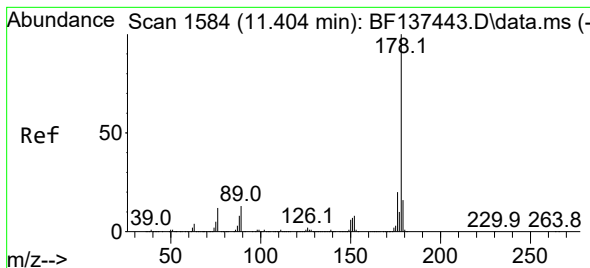
Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

179 15.9 12.2 18.2





#72

Anthracene

Concen: 45.981 ng

RT: 11.492 min Scan# 1

Delta R.T. 0.088 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

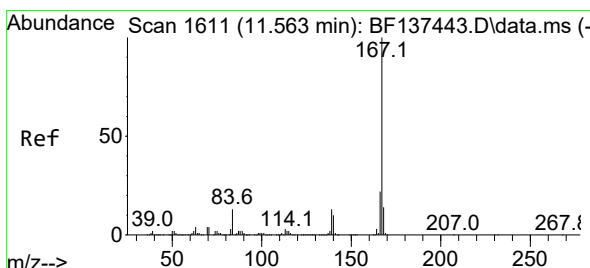
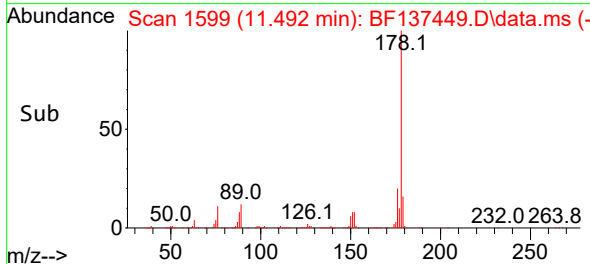
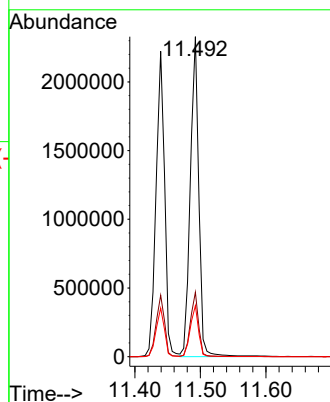
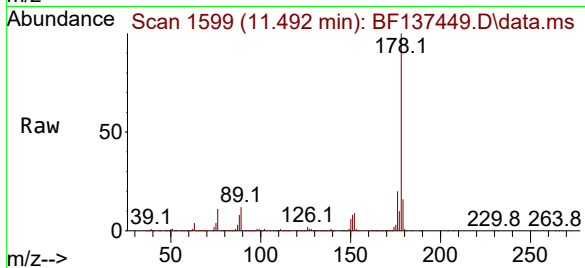
Tgt Ion:178 Resp: 2084774

Ion Ratio Lower Upper

178 100

176 20.1 15.7 23.5

179 16.0 12.7 19.1



#73

Carbazole

Concen: 47.778 ng

RT: 11.651 min Scan# 1626

Delta R.T. 0.088 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

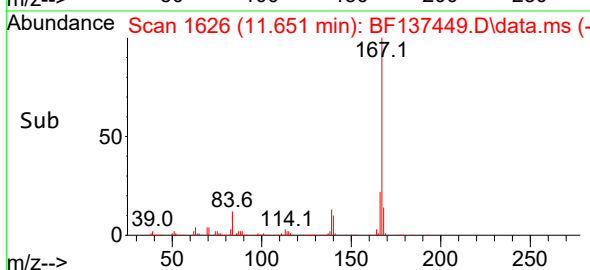
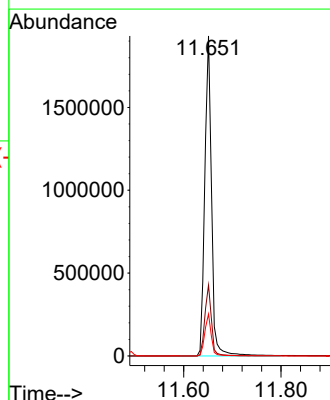
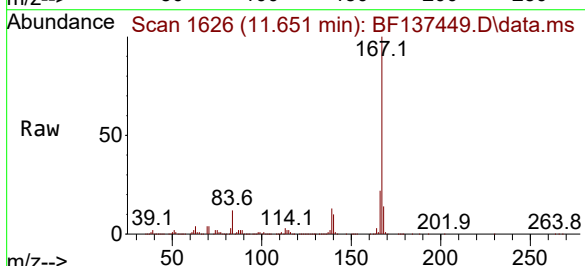
Tgt Ion:167 Resp: 1855538

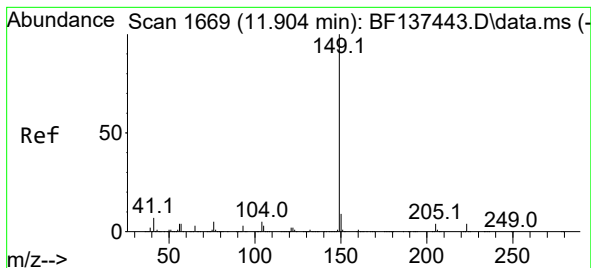
Ion Ratio Lower Upper

167 100

166 22.1 17.8 26.8

139 13.1 10.5 15.7





#74

Di-n-butylphthalate

Concen: 47.724 ng

RT: 11.986 min Scan# 1

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

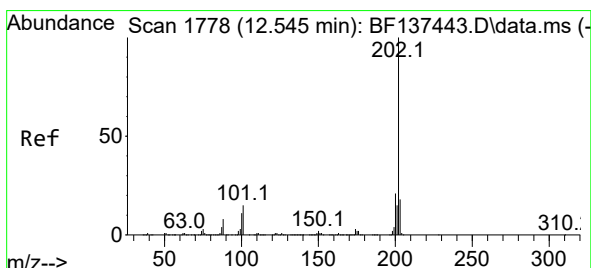
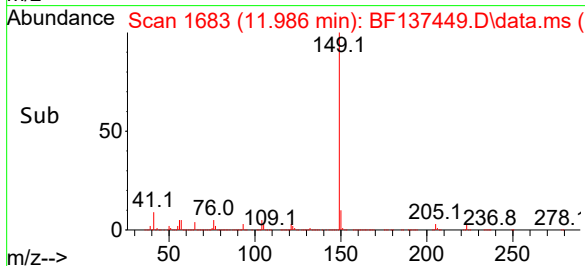
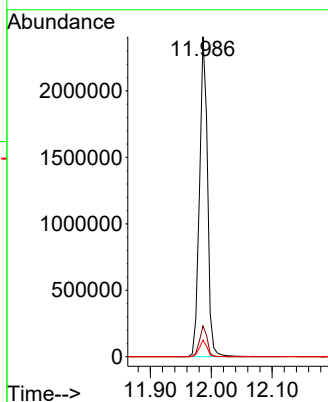
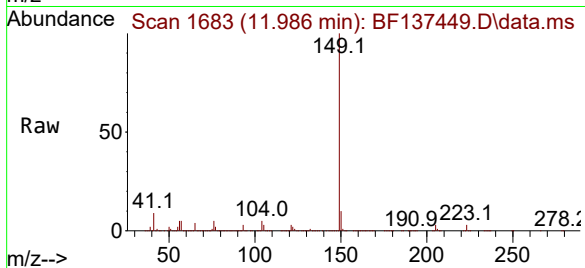
Tgt Ion:149 Resp: 2205184

Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.0

104 5.2 3.8 5.6



#75

Fluoranthene

Concen: 46.709 ng

RT: 12.633 min Scan# 1793

Delta R.T. 0.088 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

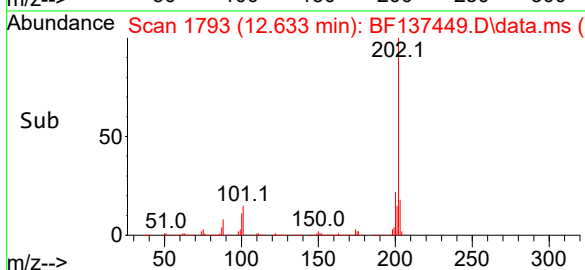
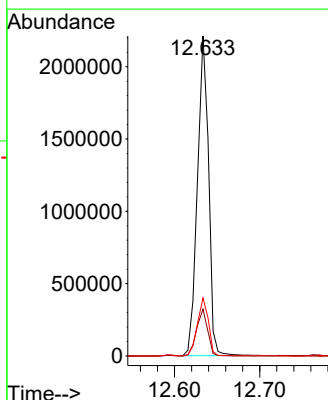
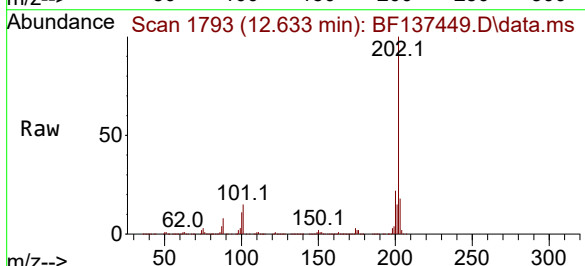
Tgt Ion:202 Resp: 2015571

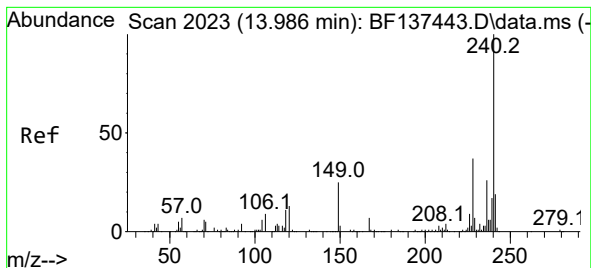
Ion Ratio Lower Upper

202 100

101 14.6 0.0 35.0

203 18.1 0.0 37.7

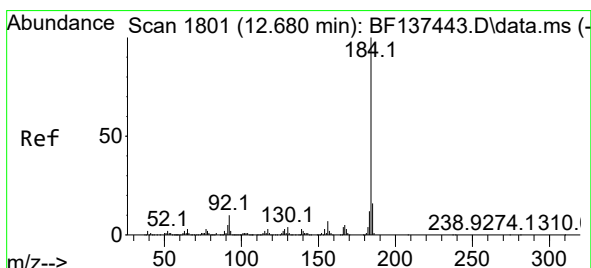
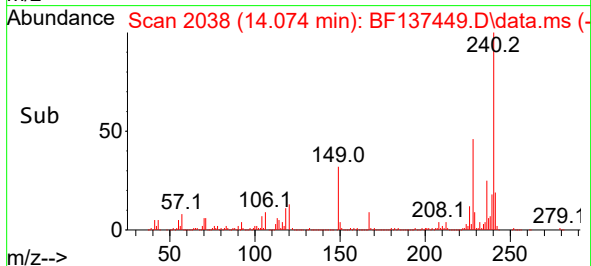
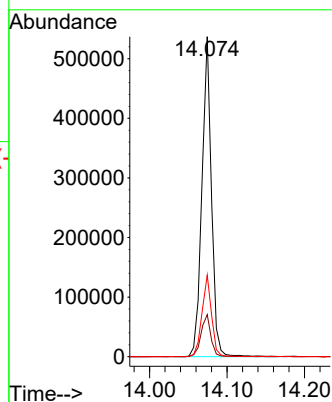
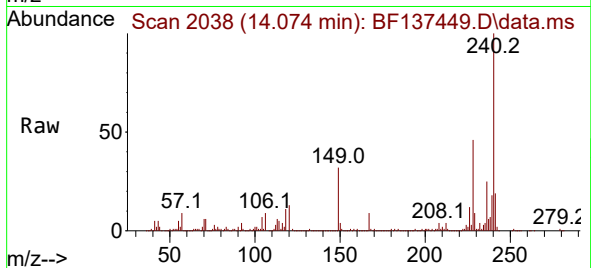




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2023
Delta R.T. 0.088 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

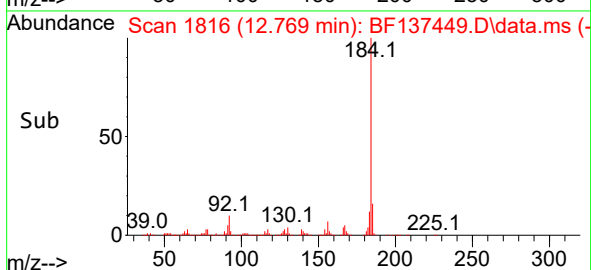
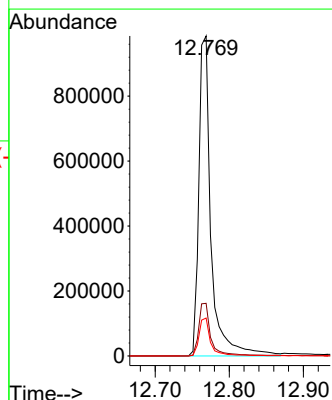
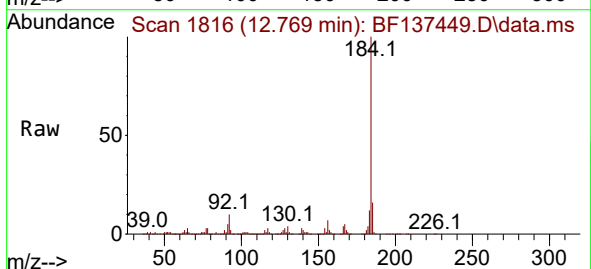
Instrument :
BNA_F
ClientSampleId :
SP6439

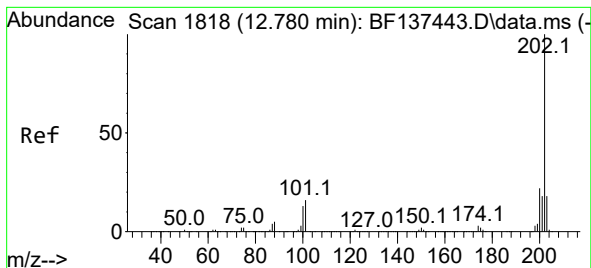
Tgt Ion:240 Resp: 460116
Ion Ratio Lower Upper
240 100
120 13.2 10.4 15.6
236 25.5 20.9 31.3



#77
Benzidine
Concen: 99.989 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.089 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:184 Resp: 1125883
Ion Ratio Lower Upper
184 100
185 16.5 13.2 19.8
183 11.8 9.3 13.9





#78

Pyrene

Concen: 45.993 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

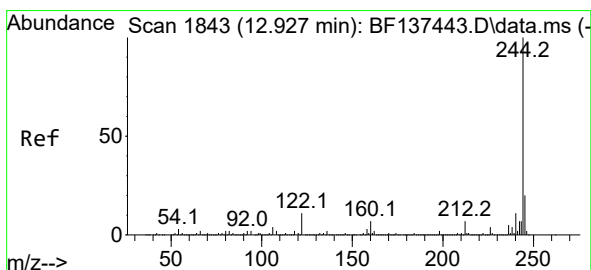
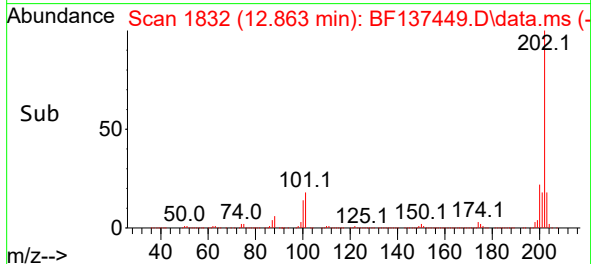
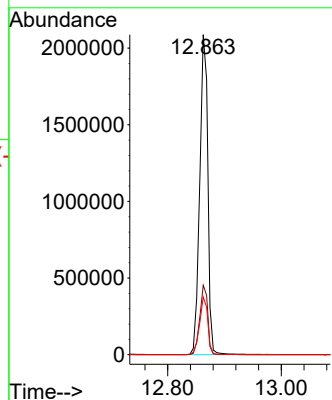
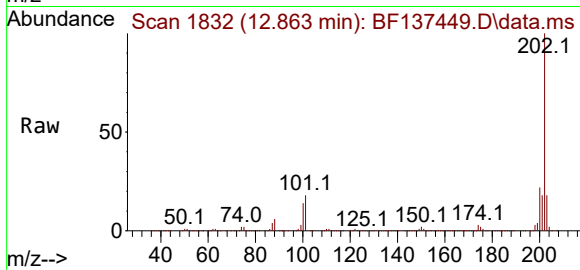
Tgt Ion:202 Resp: 2076461

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 0.031 ng

RT: 13.010 min Scan# 1857

Delta R.T. 0.082 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

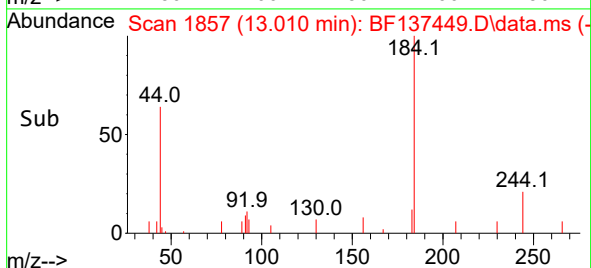
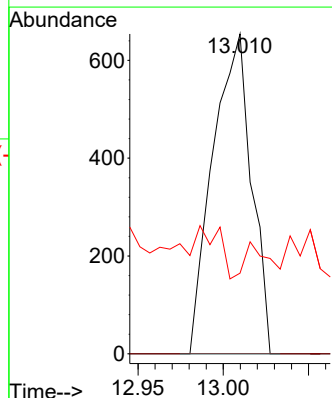
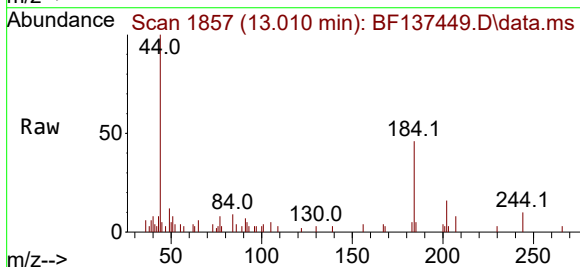
Tgt Ion:244 Resp: 1030

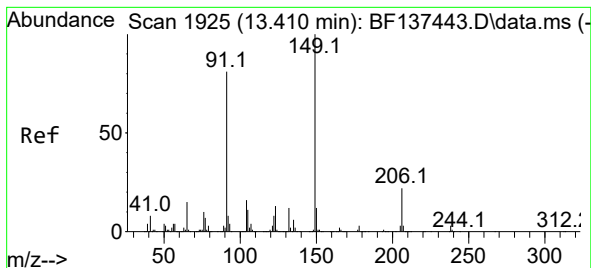
Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.2#

122 25.2 9.1 13.7#





#80

Butylbenzylphthalate

Concen: 54.788 ng

RT: 13.498 min Scan# 1925

Delta R.T. 0.088 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

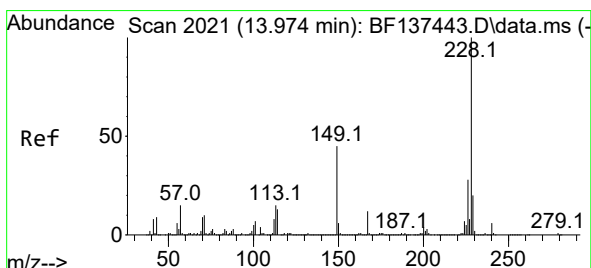
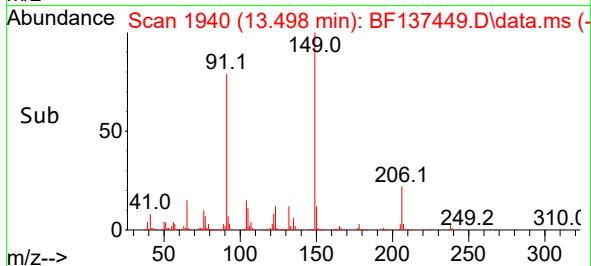
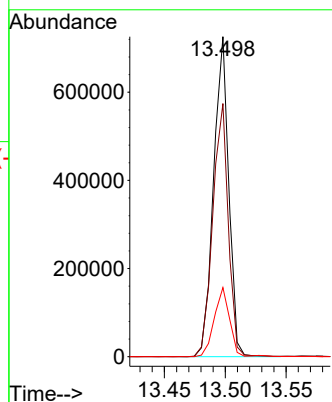
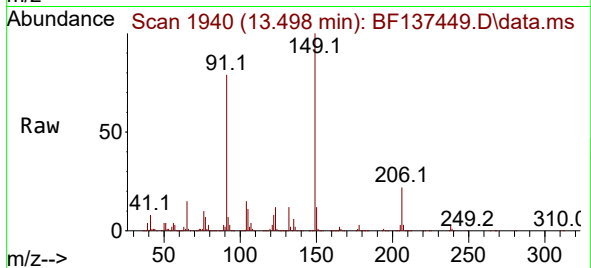
Tgt Ion:149 Resp: 631715

Ion Ratio Lower Upper

149 100

91 79.1 64.7 97.1

206 21.6 17.5 26.3



#81

Benzo(a)anthracene

Concen: 47.510 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.088 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

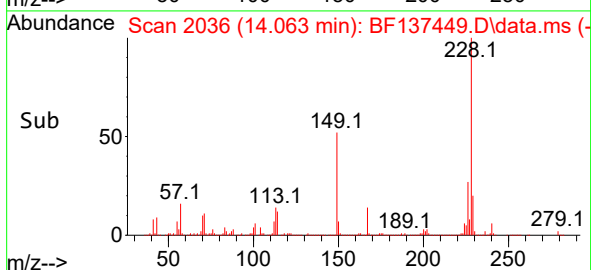
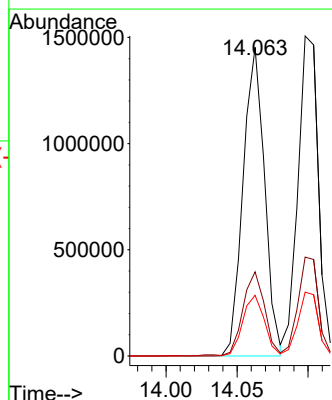
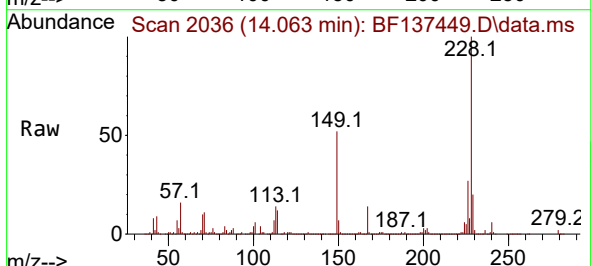
Tgt Ion:228 Resp: 1532155

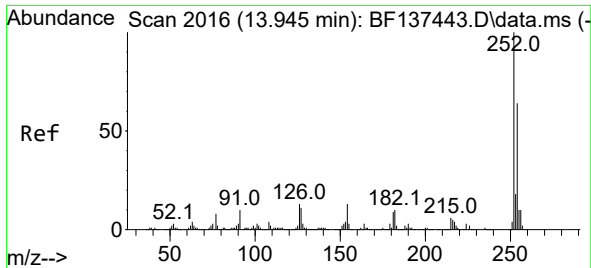
Ion Ratio Lower Upper

228 100

226 27.3 22.3 33.5

229 19.6 16.3 24.5

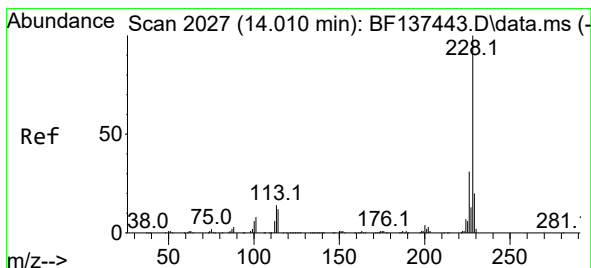
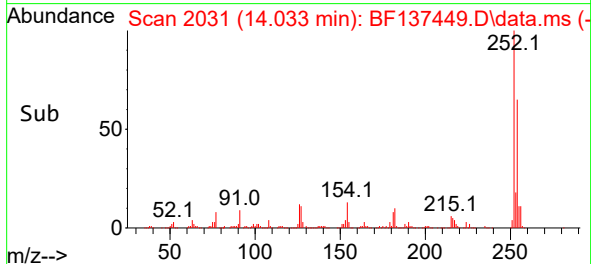
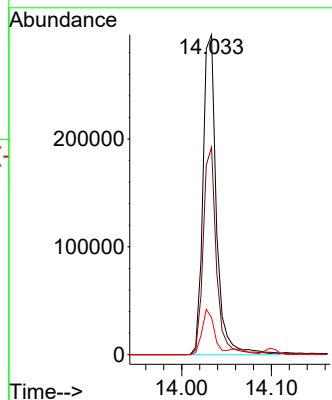
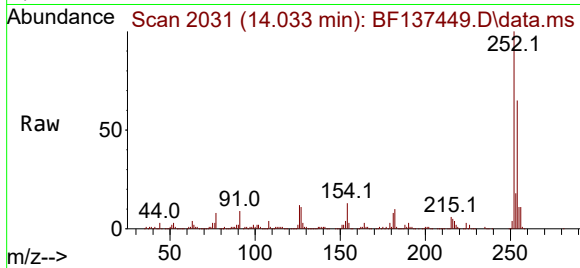




#82
 3,3'-Dichlorobenzidine
 Concen: 36.109 ng
 RT: 14.033 min Scan# 2016
 Delta R.T. 0.088 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

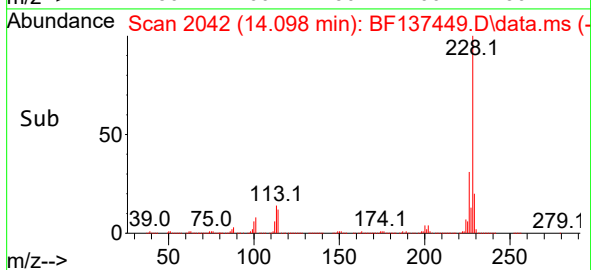
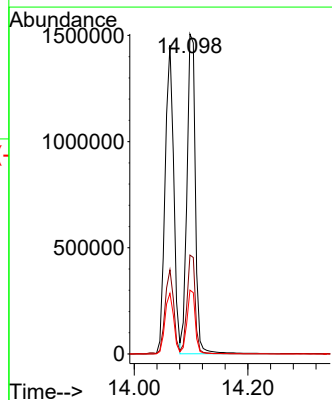
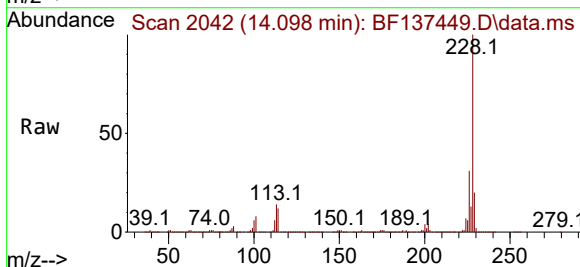
Instrument :
 BNA_F
 ClientSampleId :
 SP6439

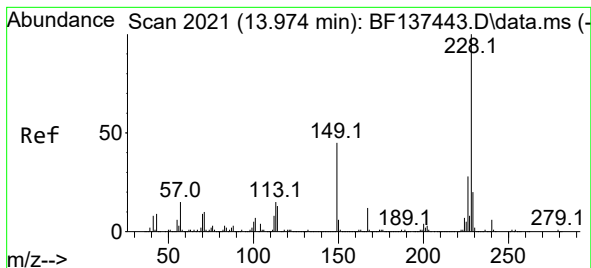
Tgt Ion:252 Resp: 310104
 Ion Ratio Lower Upper
 252 100
 254 64.8 51.4 77.2
 126 11.6 10.4 15.6



#83
 Chrysene
 Concen: 47.280 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. 0.088 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

Tgt Ion:228 Resp: 1541033
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.7 37.1
 229 20.0 15.9 23.9

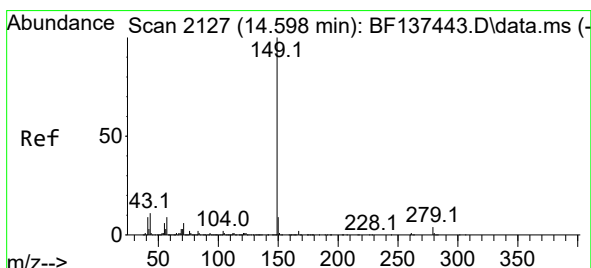
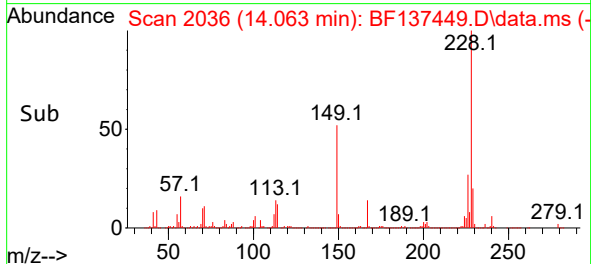
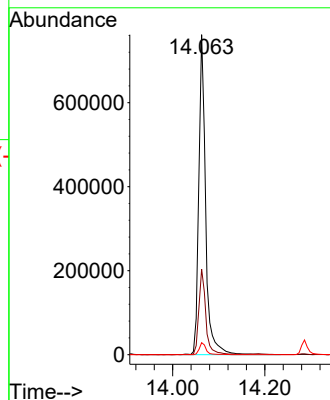
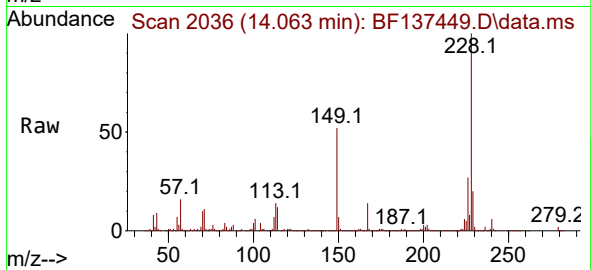




#84
Bis(2-ethylhexyl)phthalate
Concen: 53.484 ng
RT: 14.063 min Scan# 20
Delta R.T. 0.088 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

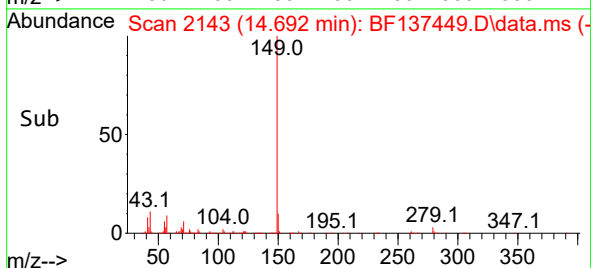
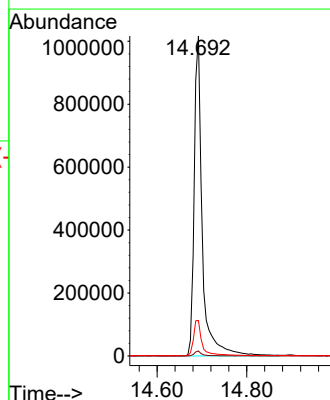
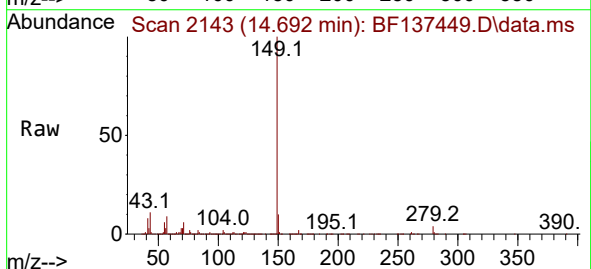
Instrument :
BNA_F
ClientSampleId :
SP6439

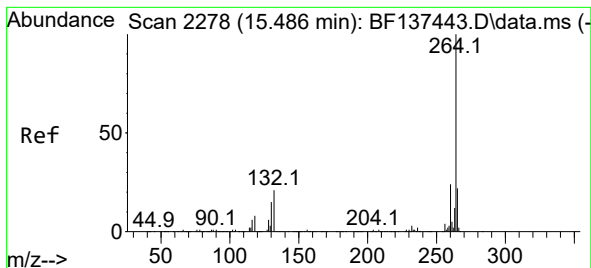
Tgt Ion:149 Resp: 783817
Ion Ratio Lower Upper
149 100
167 26.7 21.3 31.9
279 3.8 2.6 4.0



#85
Di-n-octyl phthalate
Concen: 45.542 ng
RT: 14.692 min Scan# 2143
Delta R.T. 0.094 min
Lab File: BF137449.D
Acq: 29 Feb 2024 18:56

Tgt Ion:149 Resp: 1277137
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 11.9 9.6 14.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 21

Delta R.T. 0.124 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

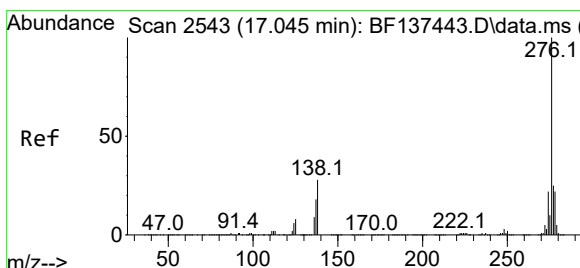
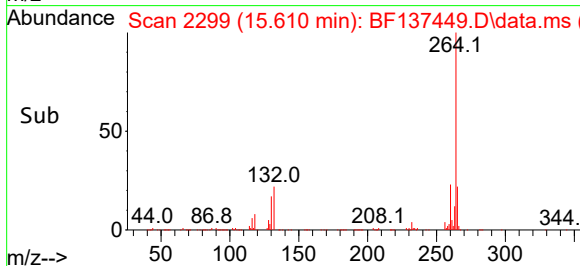
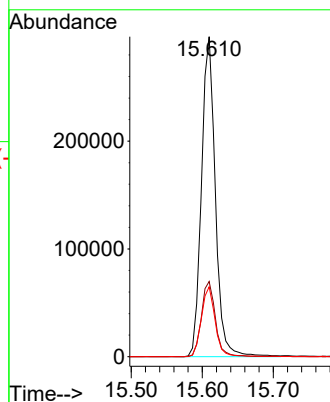
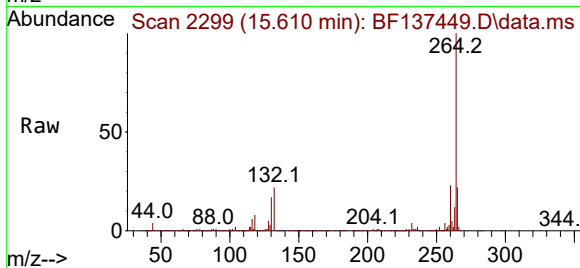
Tgt Ion:264 Resp: 404702

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 21.8 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 49.027 ng

RT: 17.215 min Scan# 2572

Delta R.T. 0.171 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

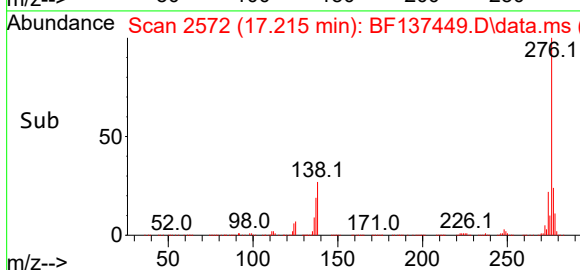
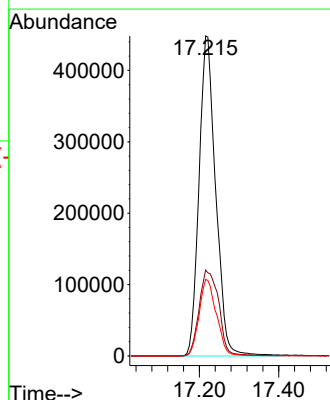
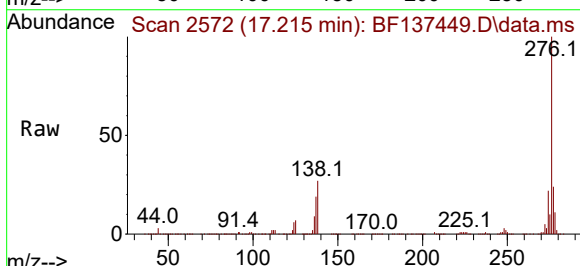
Tgt Ion:276 Resp: 1305693

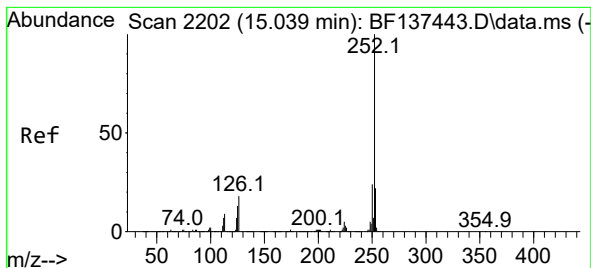
Ion Ratio Lower Upper

276 100

138 31.5 25.8 38.8

277 24.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 53.054 ng

RT: 15.151 min Scan# 21

Delta R.T. 0.112 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

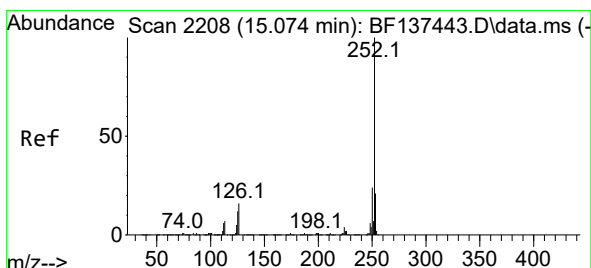
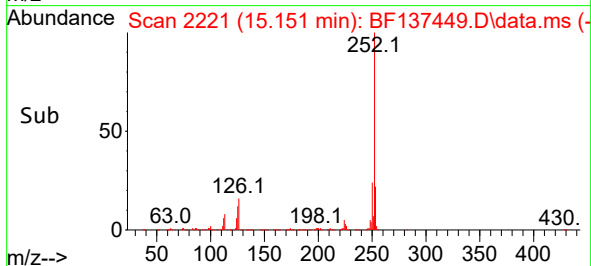
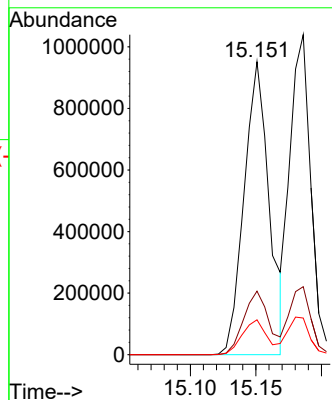
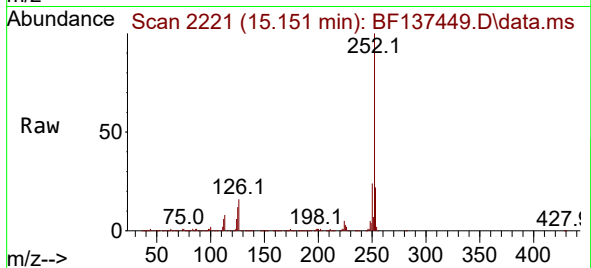
Tgt Ion:252 Resp: 1270086

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 11.9 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 45.656 ng

RT: 15.186 min Scan# 2227

Delta R.T. 0.112 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

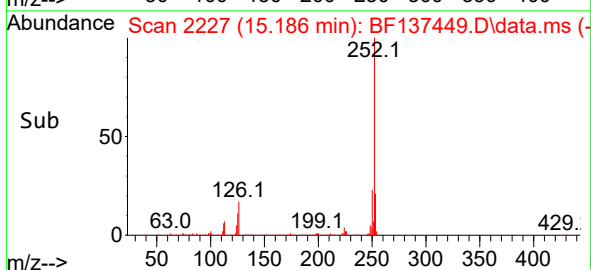
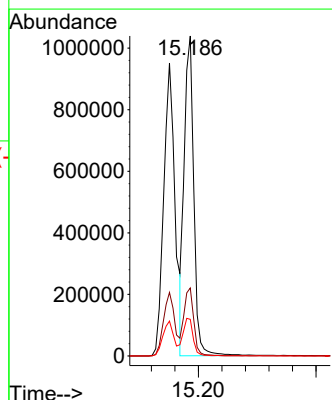
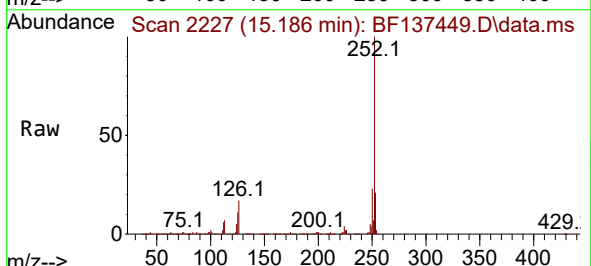
Tgt Ion:252 Resp: 1173982

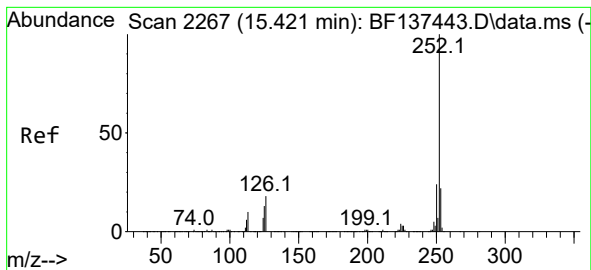
Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

125 11.5 9.6 14.4





#90

Benzo(a)pyrene

Concen: 48.200 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.124 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

Instrument :

BNA_F

ClientSampleId :

SP6439

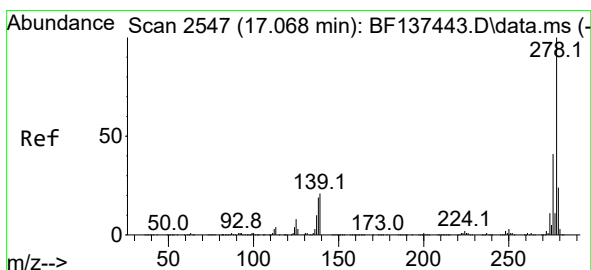
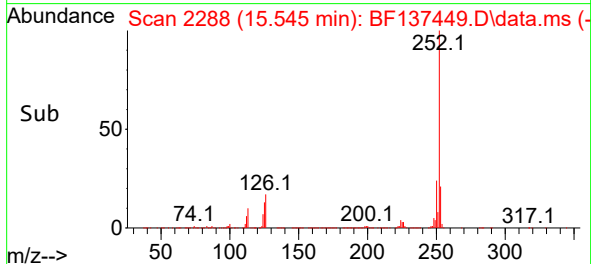
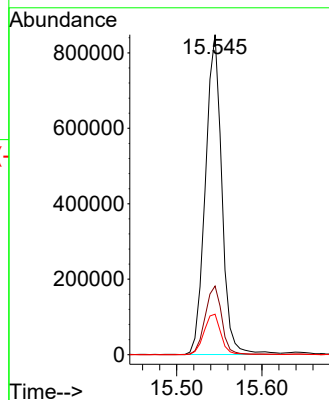
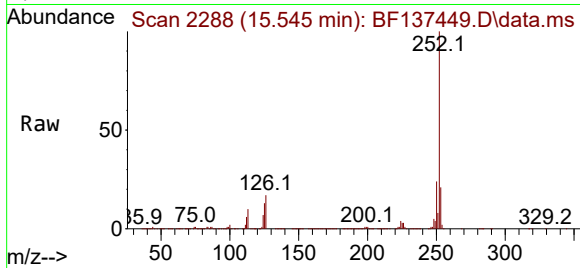
Tgt Ion:252 Resp: 1137104

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 12.6 10.4 15.6



#91

Dibenzo(a,h)anthracene

Concen: 48.268 ng

RT: 17.245 min Scan# 2577

Delta R.T. 0.176 min

Lab File: BF137449.D

Acq: 29 Feb 2024 18:56

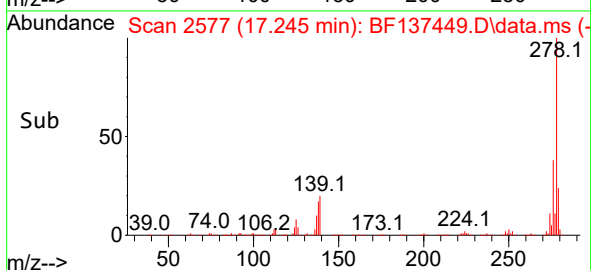
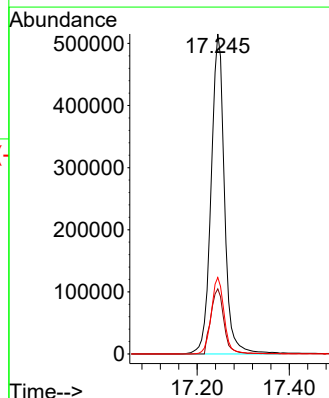
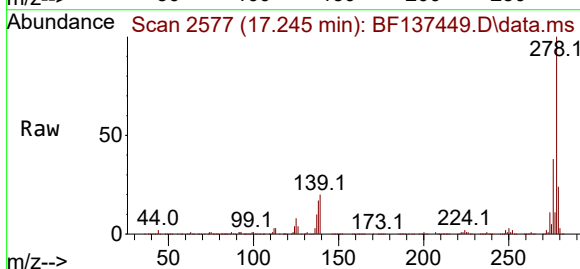
Tgt Ion:278 Resp: 1042785

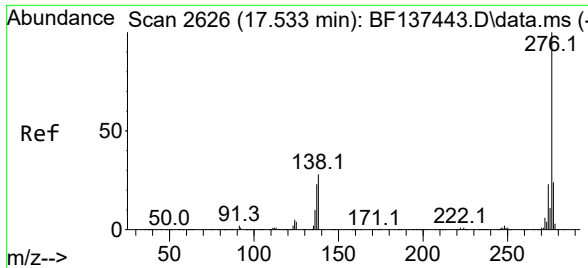
Ion Ratio Lower Upper

278 100

139 20.3 17.0 25.6

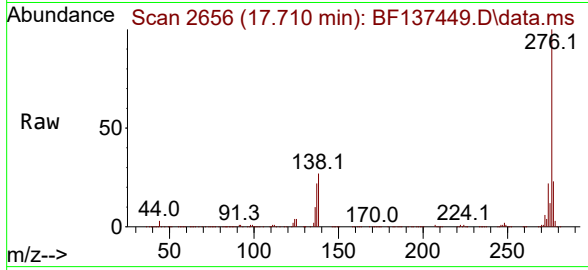
279 23.9 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 45.948 ng
 RT: 17.710 min Scan# 20
 Delta R.T. 0.176 min
 Lab File: BF137449.D
 Acq: 29 Feb 2024 18:56

Instrument :
 BNA_F
 ClientSampleId :
 SP6439



Tgt Ion:276 Resp: 1019464

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	26.6	22.2	33.2

