

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022924\
 Data File : BF137447.D
 Acq On : 29 Feb 2024 17:44
 Operator : CG\JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022924

Quant Time: Mar 01 03:42:02 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	807070	20.000	ng	0.08
39) Acenaphthene-d10	9.916	164	448960	20.000	ng	0.08
64) Phenanthrene-d10	11.404	188	775689	20.000	ng	0.08
76) Chrysene-d12	14.069	240	412116	20.000	ng	0.08
86) Perylene-d12	15.598	264	376888	20.000	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1113807	0.000	ng	0.10
7) Phenol-d6	6.528	99	1566301	0.000	ng	0.08
23) Nitrobenzene-d5	7.445	82	1411647	81.270	ng	0.08
42) 2,4,6-Tribromophenol	10.710	330	320211	81.217	ng	0.08
45) 2-Fluorobiphenyl	9.234	172	2189491	76.340	ng	0.07
79) Terphenyl-d14	13.010	244	2412611	80.502	ng	0.08
Target Compounds						
						Qvalue
22) Acetophenone	7.292	105	778724	39.879	ng	97
24) Nitrobenzene	7.463	77	726683	41.647	ng	99
25) Isophorone	7.698	82	1307608	39.625	ng	100
26) 2-Nitrophenol	7.775	139	300263	43.344	ng	99
27) 2,4-Dimethylphenol	7.816	122	523757	40.463	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	787933	40.695	ng	99
29) 2,4-Dichlorophenol	8.016	162	491596	41.381	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	502848	40.223	ng	99
31) Naphthalene	8.181	128	1704157	39.355	ng	99
32) Benzoic acid	7.945	122	276980	38.580	ng	99
33) 4-Chloroaniline	8.234	127	707205	41.650	ng	99
34) Hexachlorobutadiene	8.292	225	294070	39.843	ng	99
35) Caprolactam	8.610	113	168037	41.715	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	540415	40.697	ng	97
37) 2-Methylnaphthalene	8.869	142	1102387	39.935	ng	99
38) 1-Methylnaphthalene	8.969	142	1025000	39.428	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	505846	40.358	ng	100
41) Hexachlorocyclopentadiene	9.022	237	189728	41.513	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	332124	40.691	ng	96
44) 2,4,5-Trichlorophenol	9.186	196	386602	41.118	ng	94
46) 1,1'-Biphenyl	9.334	154	1319890	40.167	ng	99
47) 2-Chloronaphthalene	9.357	162	995787	39.747	ng	98
48) 2-Nitroaniline	9.463	65	374109	43.934	ng	97
49) Acenaphthylene	9.775	152	1585044	39.534	ng	100
50) Dimethylphthalate	9.645	163	1236954	39.579	ng	100
51) 2,6-Dinitrotoluene	9.704	165	273800	41.886	ng	98
52) Acenaphthene	9.951	154	941822	39.348	ng	99
53) 3-Nitroaniline	9.875	138	299809	43.361	ng	98
54) 2,4-Dinitrophenol	9.981	184	114438	40.428	ng	99
55) Dibenzofuran	10.122	168	1462732	40.123	ng	99
56) 4-Nitrophenol	10.039	139	193377	41.613	ng	99
57) 2,4-Dinitrotoluene	10.110	165	350315	43.620	ng	100
58) Fluorene	10.469	166	1089363	38.909	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	309198	41.009	ng	93
60) Diethylphthalate	10.345	149	1178651	39.937	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	527323	38.430	ng	98

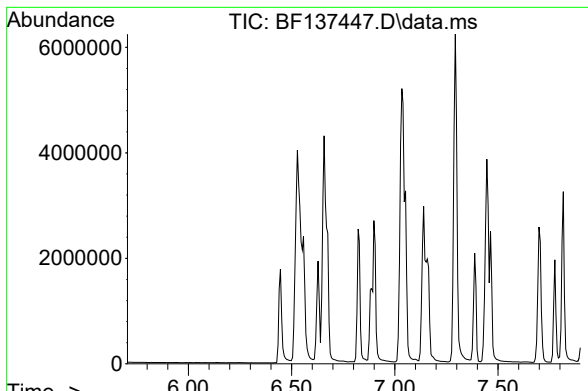
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 4-Nitroaniline	10.498	138	250919	42.223	ng	96
63) Azobenzene	10.622	77	1370059	40.315	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	187486	43.367	ng	99
66) n-Nitrosodiphenylamine	10.581	169	1006585	40.298	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	342254	40.510	ng	95
68) Hexachlorobenzene	11.010	284	344223	40.339	ng	99
69) Atrazine	11.116	200	308545	40.634	ng	98
70) Pentachlorophenol	11.210	266	219083	42.470	ng	99
71) Phenanthrene	11.433	178	1658765	39.294	ng	100
72) Anthracene	11.486	178	1713181	39.514	ng	99
73) Carbazole	11.645	167	1499052	40.364	ng	99
74) Di-n-butylphthalate	11.980	149	1800912	40.758	ng	100
75) Fluoranthene	12.627	202	1638048	39.697	ng	99
77) Benzidine	12.757	184	417310	41.378	ng	98
78) Pyrene	12.857	202	1647221	40.735	ng	99
80) Butylbenzylphthalate	13.492	149	456407	44.194	ng	98
81) Benzo(a)anthracene	14.057	228	1152322	39.894	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	324309	42.162	ng	99
83) Chrysene	14.092	228	1176740	40.308	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	578314	44.058	ng	99
85) Di-n-octyl phthalate	14.686	149	936291	38.294	ng	99
87) Indeno(1,2,3-cd)pyrene	17.209	276	1024033	41.289	ng	99
88) Benzo(b)fluoranthene	15.145	252	891083	39.969	ng	99
89) Benzo(k)fluoranthene	15.174	252	982509	41.030	ng	99
90) Benzo(a)pyrene	15.539	252	903892	41.142	ng	99
91) Dibenzo(a,h)anthracene	17.239	278	839026	41.702	ng	99
92) Benzo(g,h,i)perylene	17.698	276	856280	41.441	ng	98

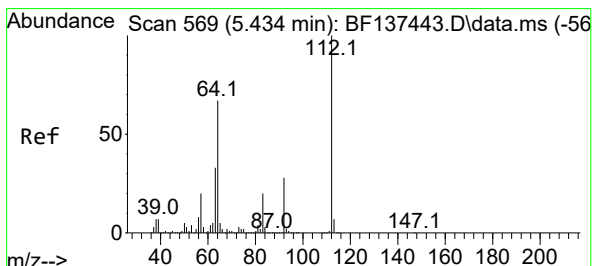
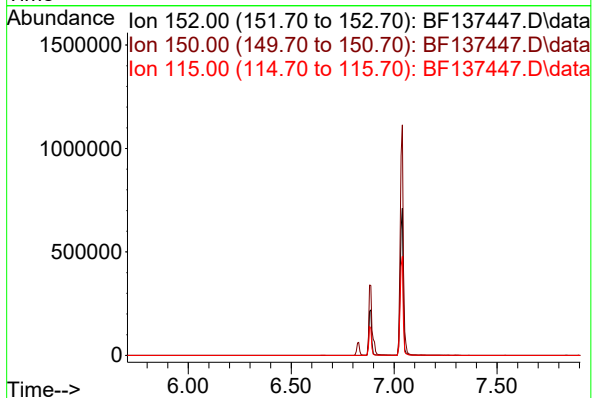
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.80 min
 Lab File: BF137447.D
 Acq: 29 Feb 2024 17:44

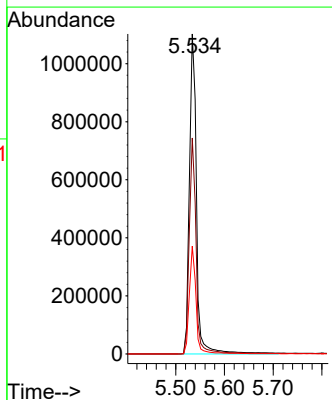
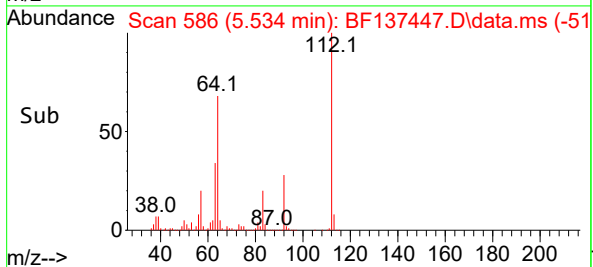
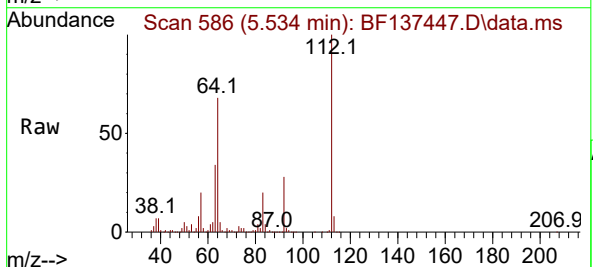
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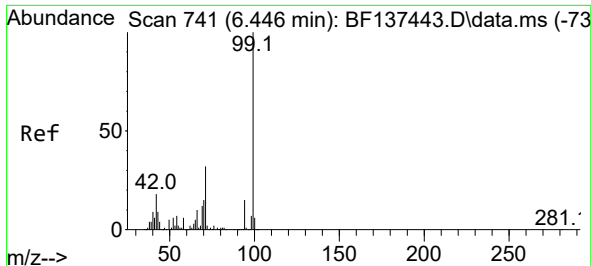
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 157.2
 115 61.0



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.534 min Scan# 586
 Delta R.T. 0.100 min
 Lab File: BF137447.D
 Acq: 29 Feb 2024 17:44

Tgt Ion: 112 Resp: 1113807
 Ion Ratio Lower Upper
 112 100
 64 67.5 53.4 80.2
 63 33.7 26.2 39.2

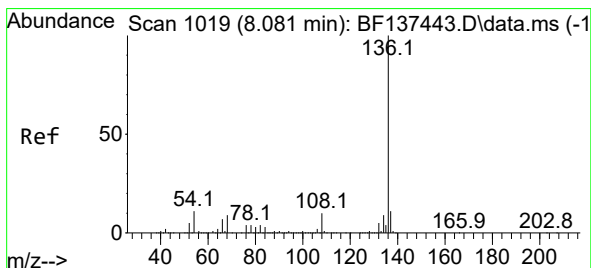
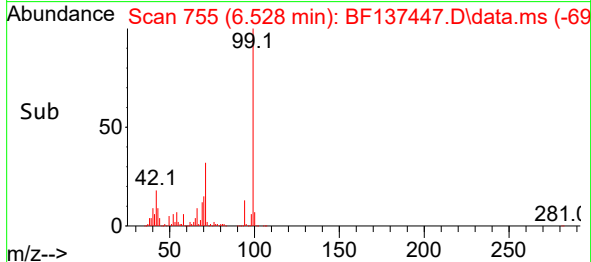
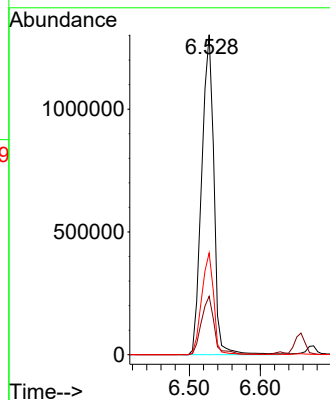
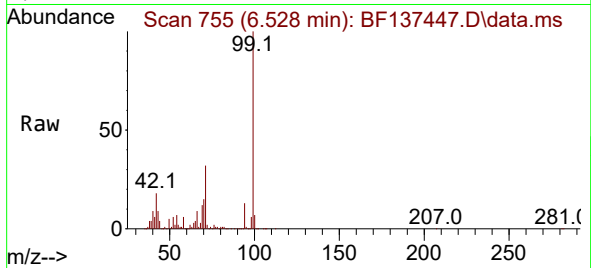




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.082 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

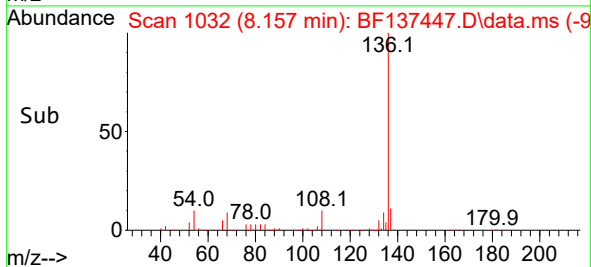
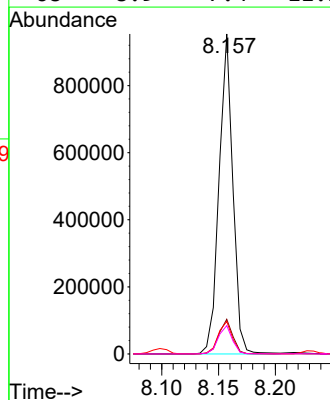
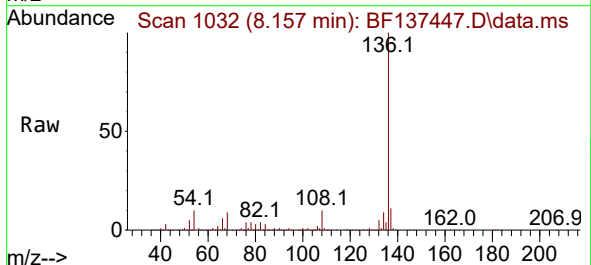
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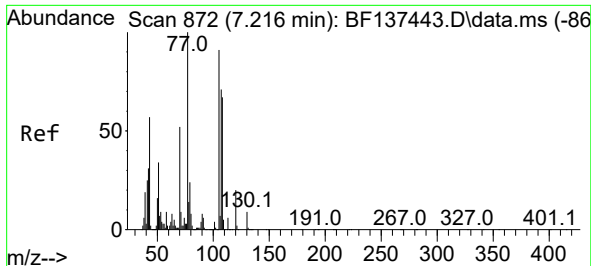
Tgt Ion: 99 Resp: 1566301
Ion Ratio Lower Upper
99 100
42 18.2 14.6 21.8
71 31.8 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion: 136 Resp: 807070
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 10.2 8.5 12.7
68 8.9 7.4 11.2

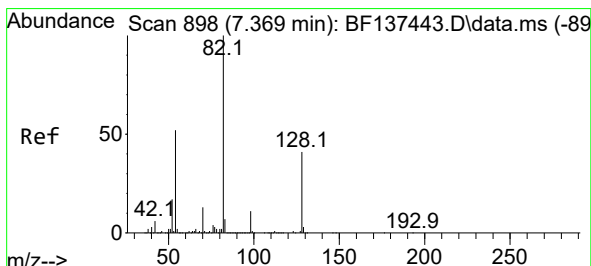
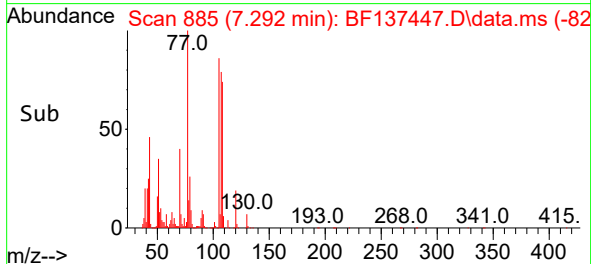
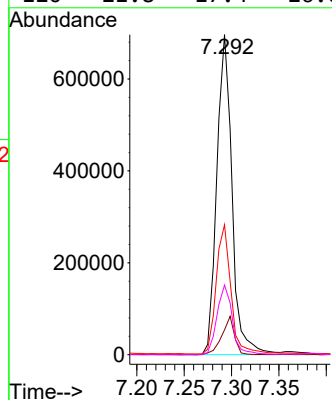
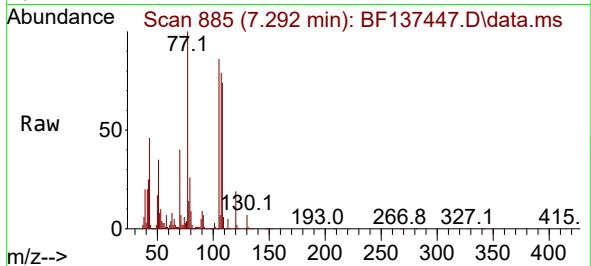




#22
Acetophenone
Concen: 39.879 ng
RT: 7.292 min Scan# 811
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

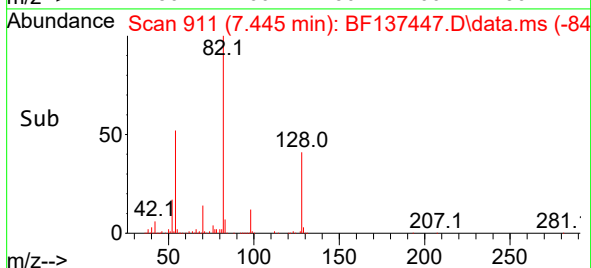
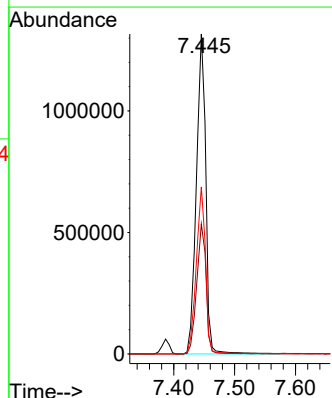
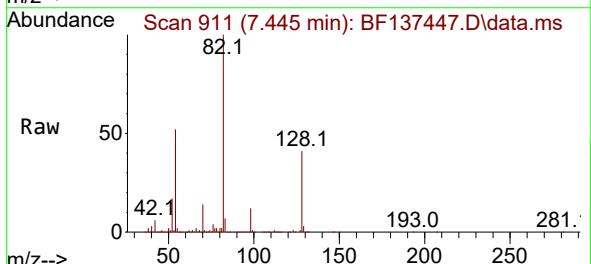
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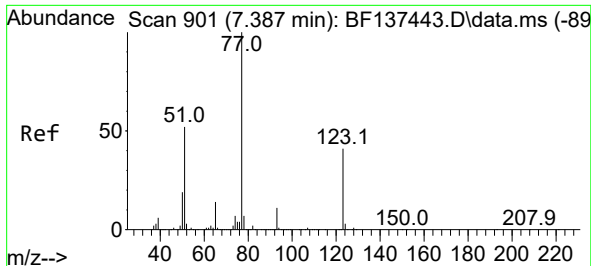
Tgt Ion:105 Resp: 778724
Ion Ratio Lower Upper
105 100
71 7.7 7.7 11.5
51 40.6 30.4 45.6
120 21.8 17.4 26.0



#23
Nitrobenzene-d5
Concen: 81.270 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion: 82 Resp: 1411647
Ion Ratio Lower Upper
82 100
128 40.6 32.5 48.7
54 52.2 41.5 62.3

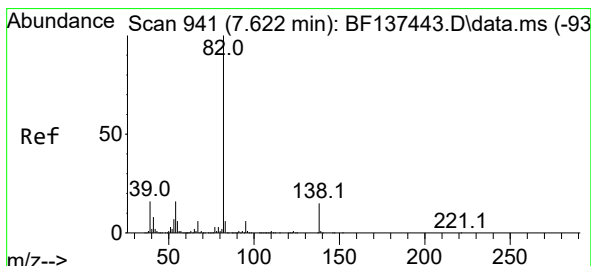
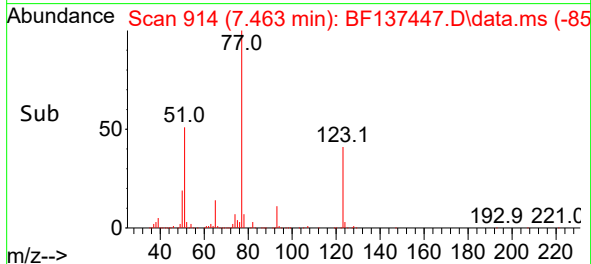
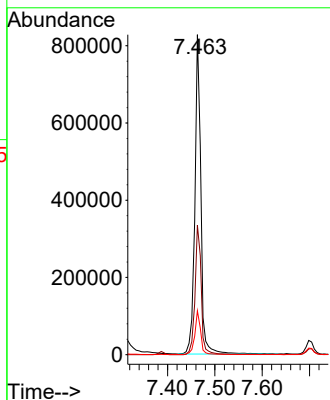
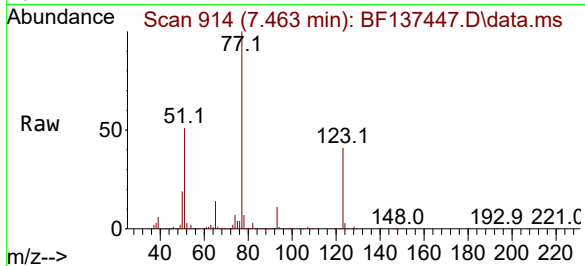




#24
Nitrobenzene
Concen: 41.647 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

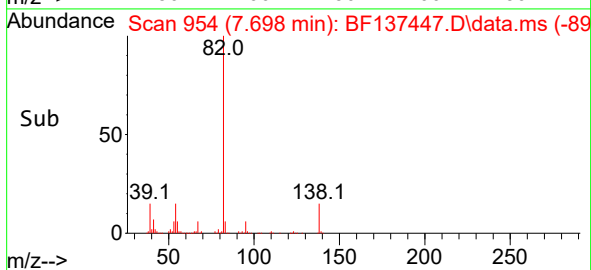
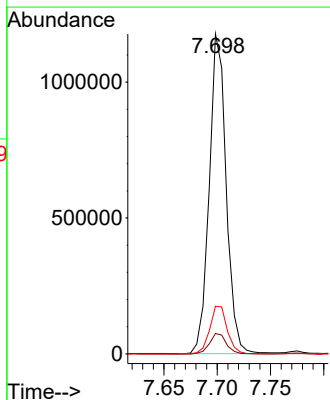
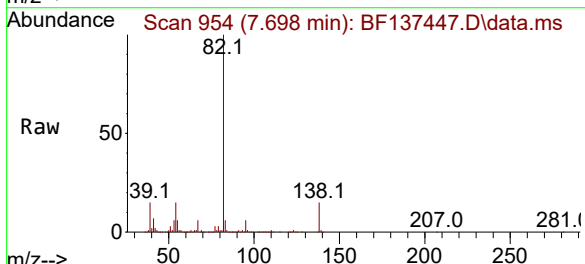
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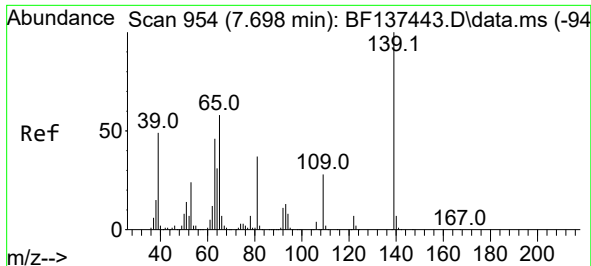
Tgt Ion: 77 Resp: 726683
Ion Ratio Lower Upper
77 100
123 40.5 33.0 49.6
65 13.7 10.9 16.3



#25
Isophorone
Concen: 39.625 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion: 82 Resp: 1307608
Ion Ratio Lower Upper
82 100
95 6.4 5.1 7.7
138 14.9 11.8 17.8

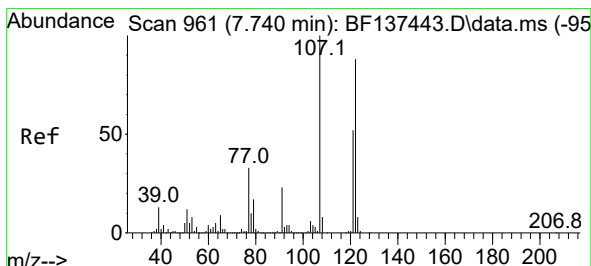
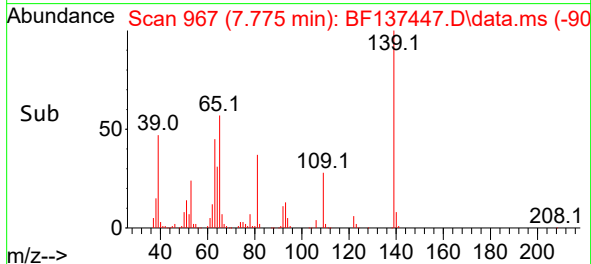
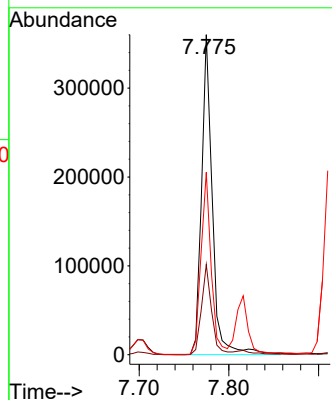
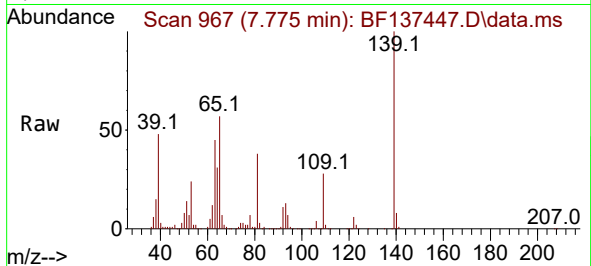




#26
2-Nitrophenol
Concen: 43.344 ng
RT: 7.775 min Scan# 90
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

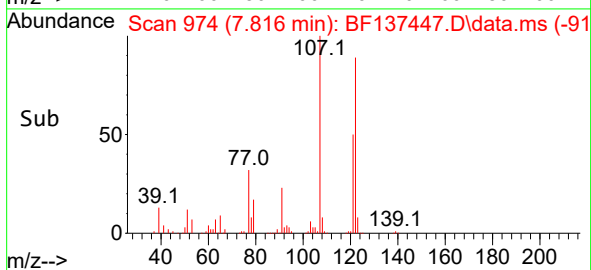
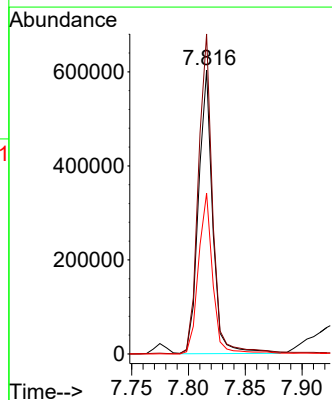
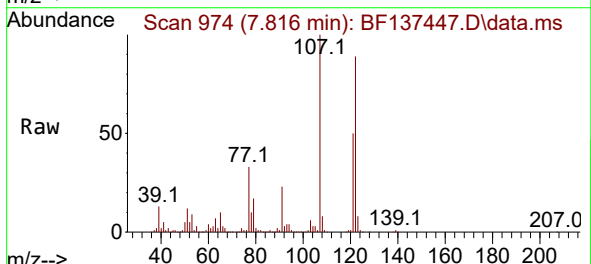
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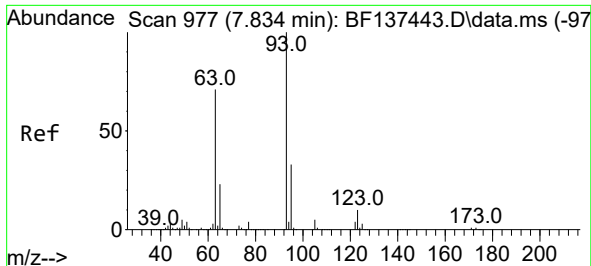
Tgt Ion:139 Resp: 300263
Ion Ratio Lower Upper
139 100
109 28.2 22.2 33.4
65 57.0 46.2 69.2



#27
2,4-Dimethylphenol
Concen: 40.463 ng
RT: 7.816 min Scan# 974
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:122 Resp: 523757
Ion Ratio Lower Upper
122 100
107 112.8 90.9 136.3
121 56.7 47.0 70.6

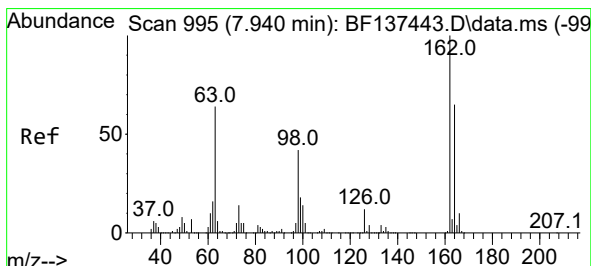
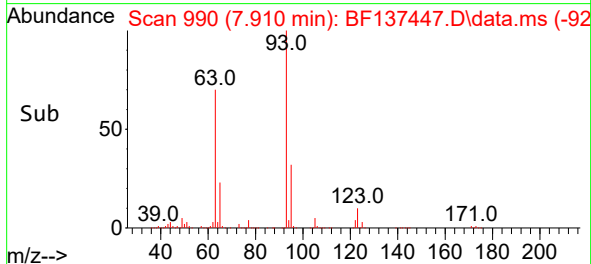
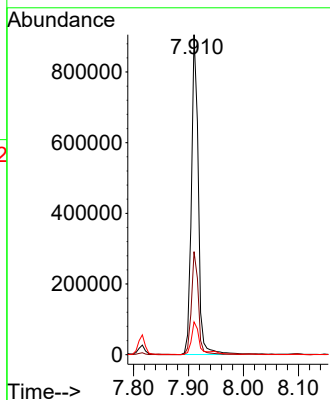
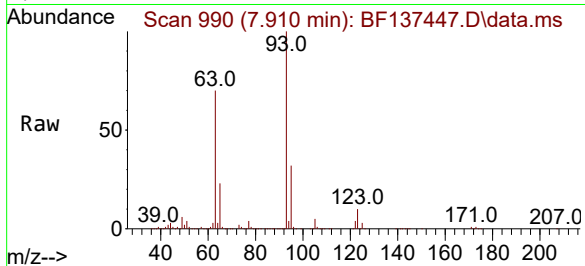




#28
bis(2-Chloroethoxy)methane
Concen: 40.695 ng
RT: 7.910 min Scan# 91
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

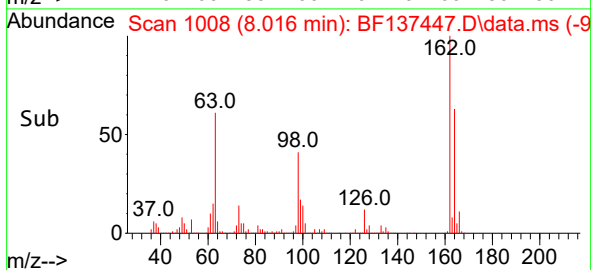
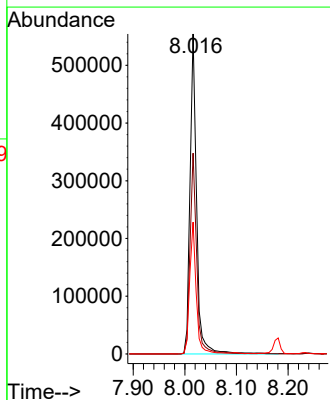
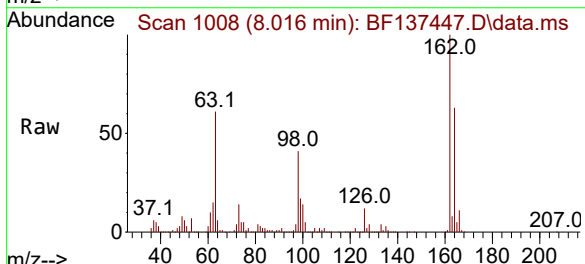
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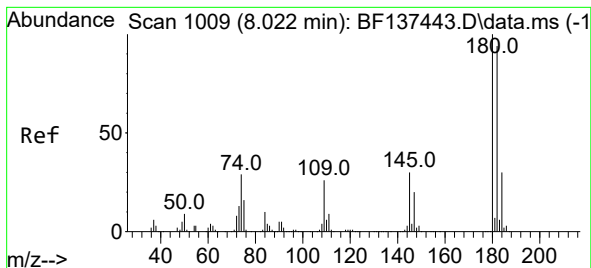
Tgt Ion: 93 Resp: 787933
Ion Ratio Lower Upper
93 100
95 32.2 26.5 39.7
123 10.2 8.0 12.0



#29
2,4-Dichlorophenol
Concen: 41.381 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:162 Resp: 491596
Ion Ratio Lower Upper
162 100
164 62.7 44.7 84.7
98 41.2 22.0 62.0





#30

1,2,4-Trichlorobenzene

Concen: 40.223 ng

RT: 8.098 min Scan# 1036

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

ICVBF022924

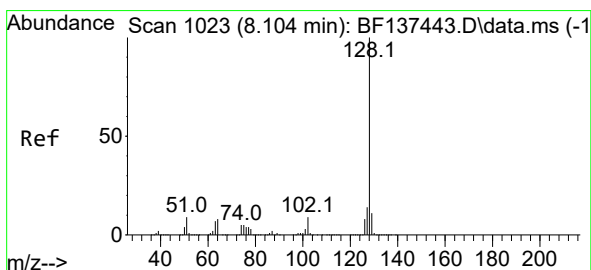
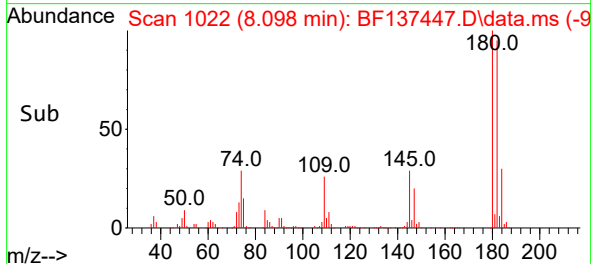
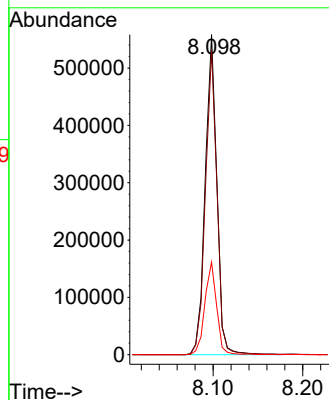
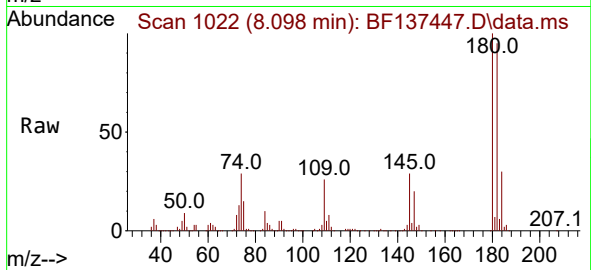
Tgt Ion:180 Resp: 502848

Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.6

145 29.0 23.7 35.5



#31

Naphthalene

Concen: 39.355 ng

RT: 8.181 min Scan# 1036

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

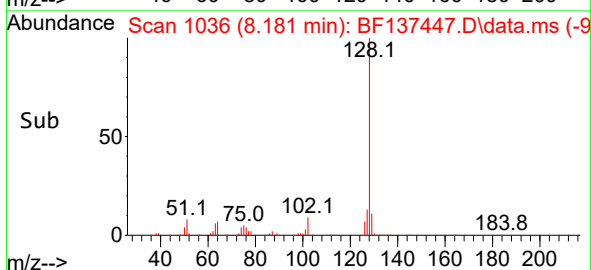
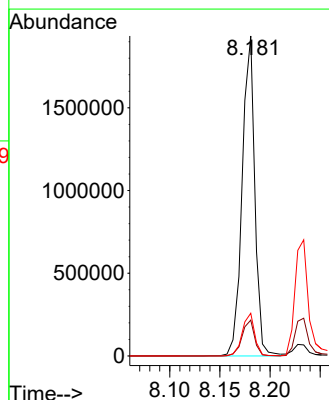
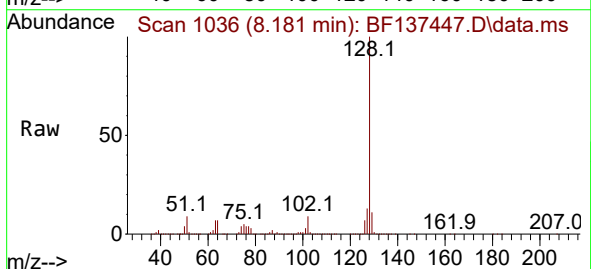
Tgt Ion:128 Resp: 1704157

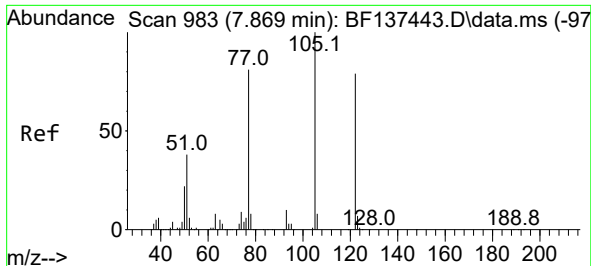
Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

127 13.4 10.8 16.2

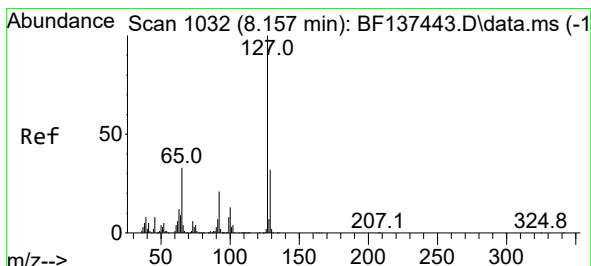
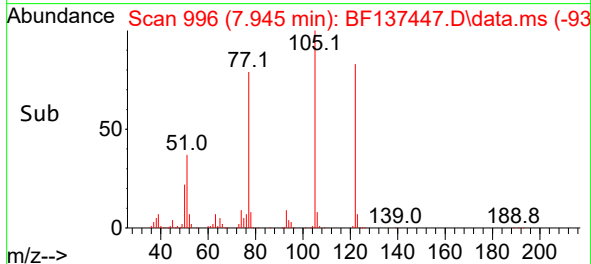
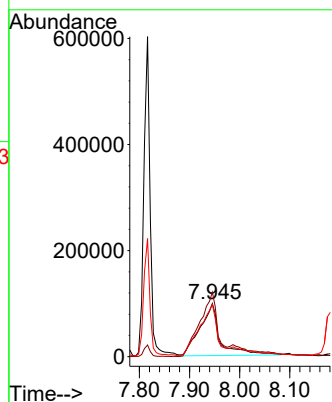
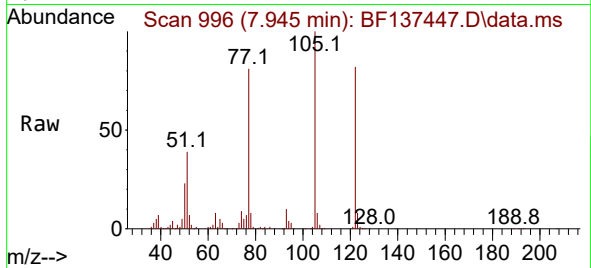




#32
Benzoic acid
Concen: 38.580 ng
RT: 7.945 min Scan# 91
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

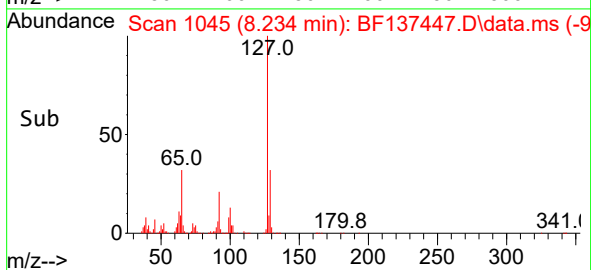
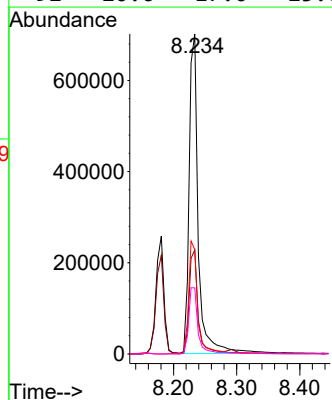
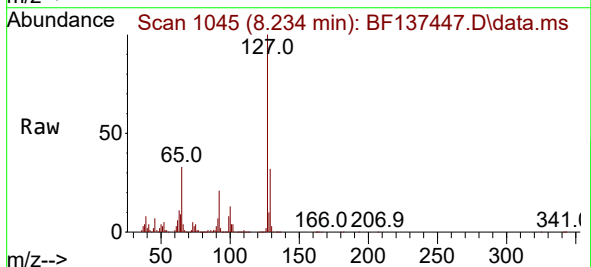
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

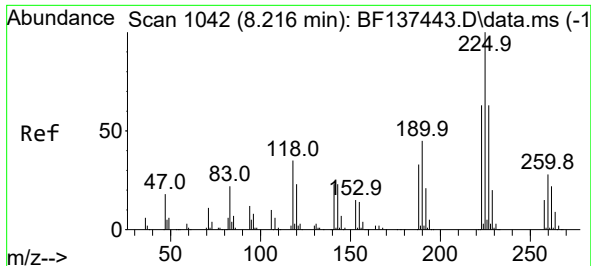
Tgt Ion:122 Resp: 276980
Ion Ratio Lower Upper
122 100
105 121.6 102.4 142.4
77 99.0 81.1 121.1



#33
4-Chloroaniline
Concen: 41.650 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:127 Resp: 707205
Ion Ratio Lower Upper
127 100
129 32.5 26.0 39.0
65 32.6 26.8 40.2
92 20.6 17.0 25.6

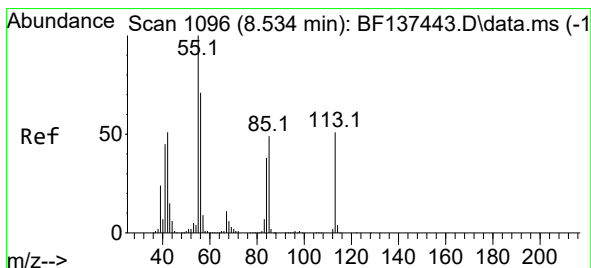
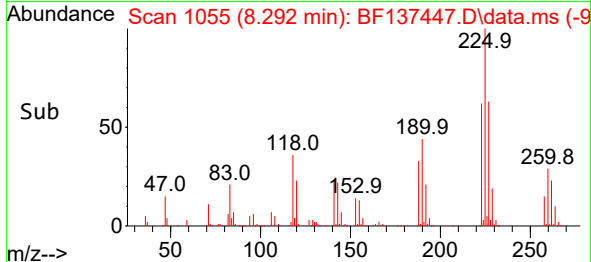
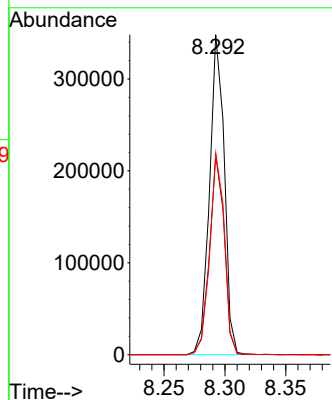
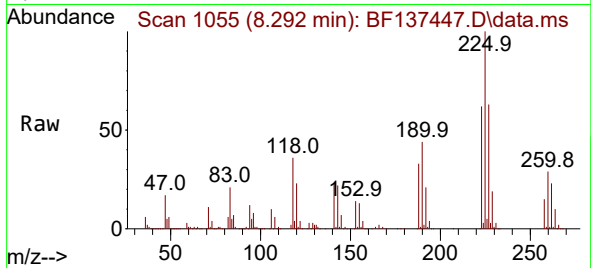




#34
Hexachlorobutadiene
Concen: 39.843 ng
RT: 8.292 min Scan# 1109
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

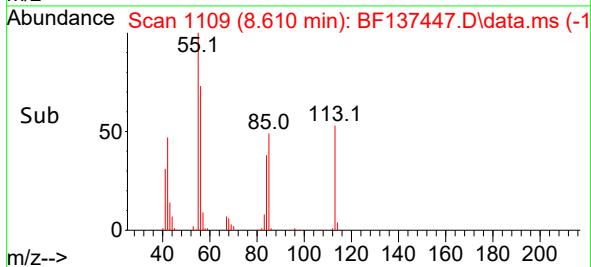
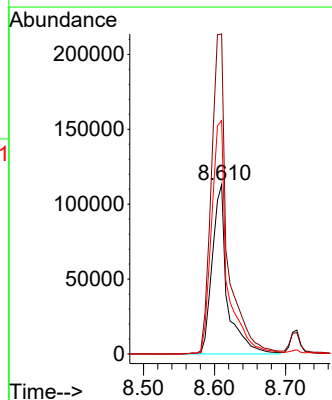
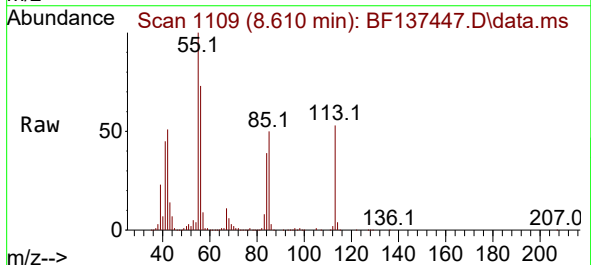
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

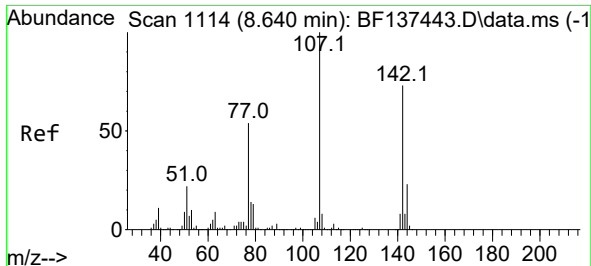
Tgt Ion:225 Resp: 294070
Ion Ratio Lower Upper
225 100
223 62.3 50.7 76.1
227 63.0 50.6 75.8



#35
Caprolactam
Concen: 41.715 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:113 Resp: 168037
Ion Ratio Lower Upper
113 100
55 189.1 176.7 216.7
56 137.9 120.6 160.6

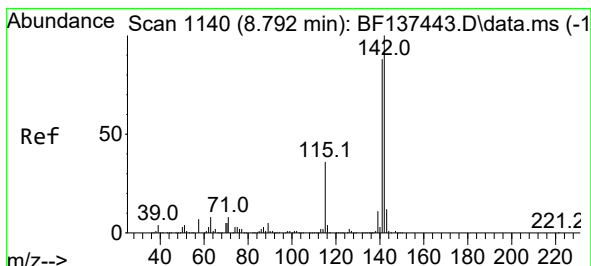
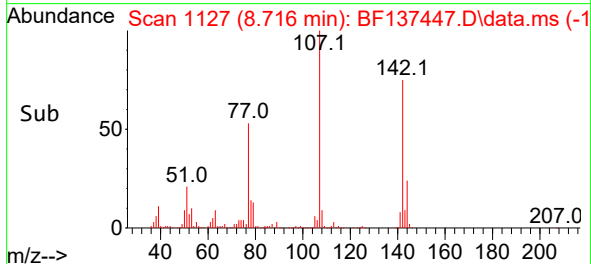
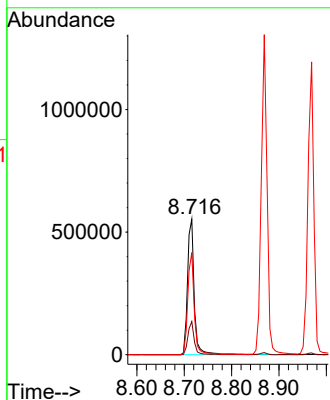
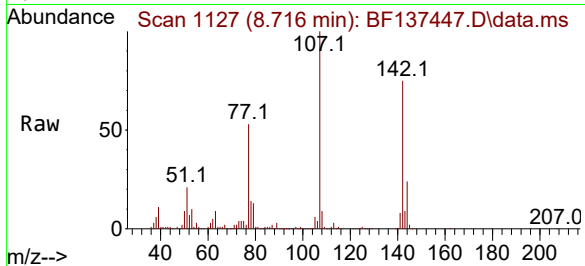




#36
 4-Chloro-3-methylphenol
 Concen: 40.697 ng
 RT: 8.716 min Scan# 1114
 Delta R.T. 0.076 min
 Lab File: BF137447.D
 Acq: 29 Feb 2024 17:44

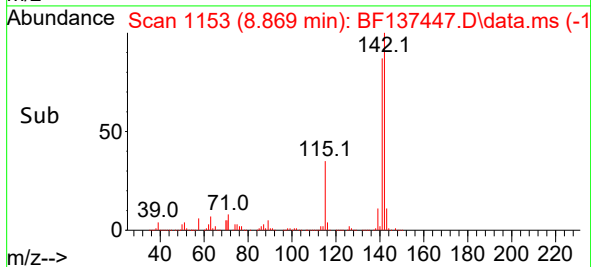
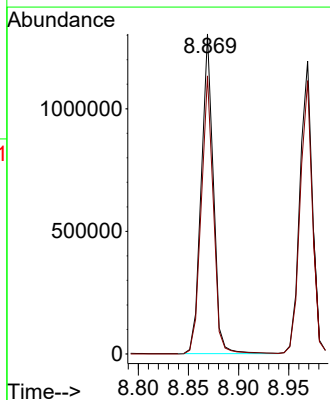
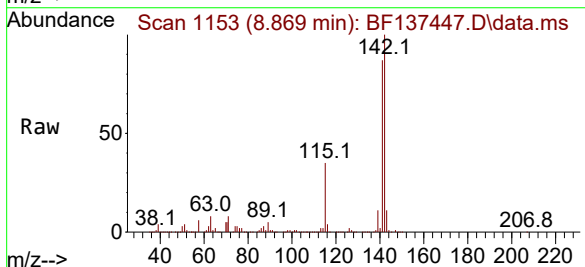
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022924

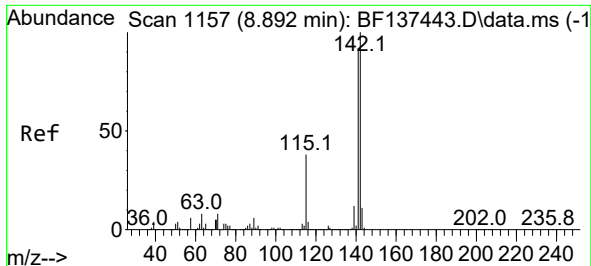
Tgt Ion:107 Resp: 540415
 Ion Ratio Lower Upper
 107 100
 144 24.4 18.7 28.1
 142 75.3 58.2 87.2



#37
 2-Methylnaphthalene
 Concen: 39.935 ng
 RT: 8.869 min Scan# 1153
 Delta R.T. 0.076 min
 Lab File: BF137447.D
 Acq: 29 Feb 2024 17:44

Tgt Ion:142 Resp: 1102387
 Ion Ratio Lower Upper
 142 100
 141 86.9 70.4 105.6





#38

1-Methylnaphthalene

Concen: 39.428 ng

RT: 8.969 min Scan# 1157

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

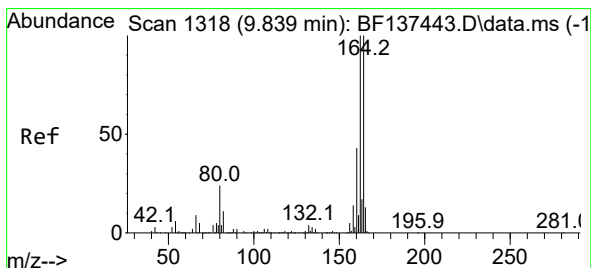
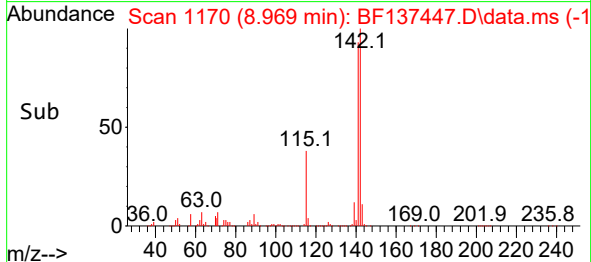
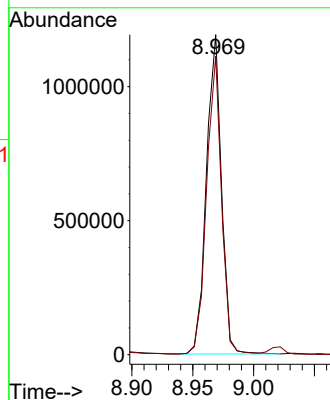
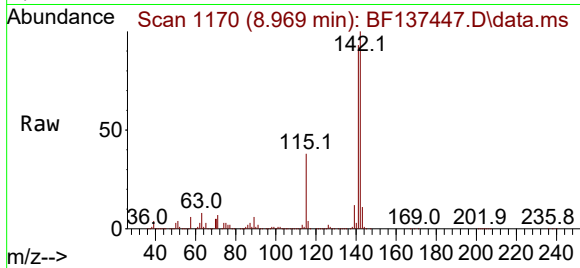
ICVBF022924

Tgt Ion:142 Resp: 1025000

Ion Ratio Lower Upper

142 100

141 93.4 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: BF137447.D

Acq: 29 Feb 2024 17:44

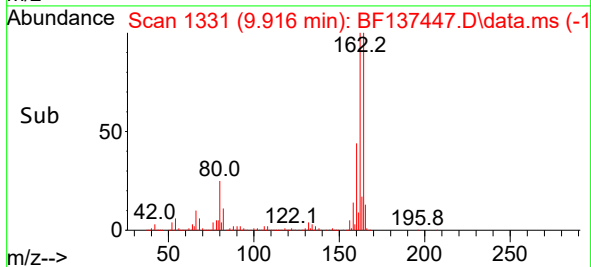
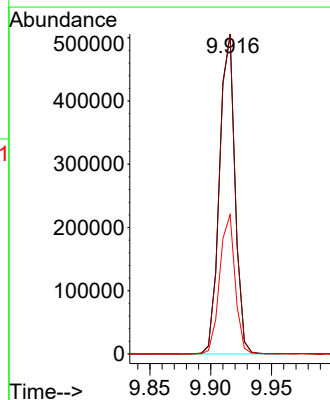
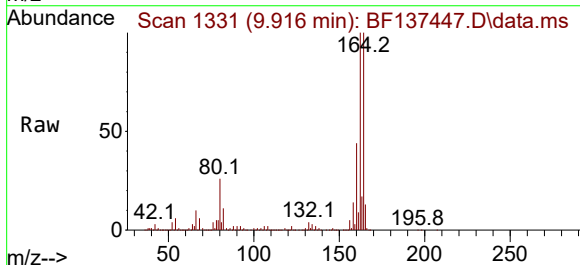
Tgt Ion:164 Resp: 448960

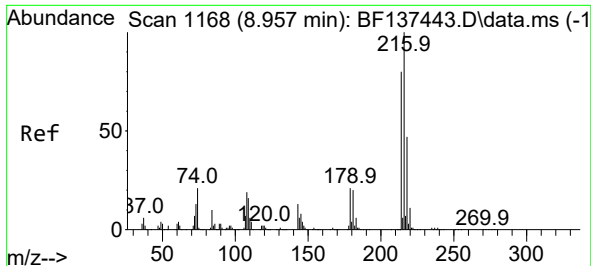
Ion Ratio Lower Upper

164 100

162 100.4 79.8 119.8

160 43.7 34.4 51.6

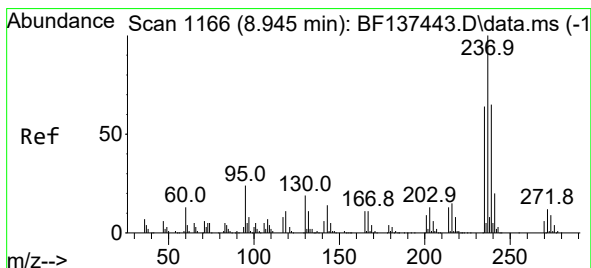
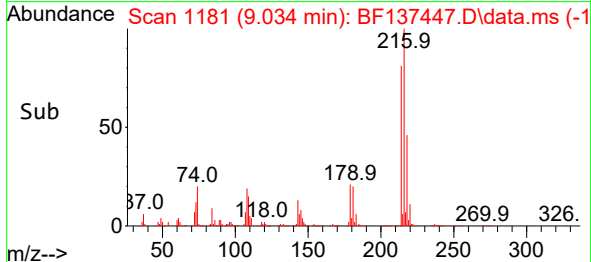
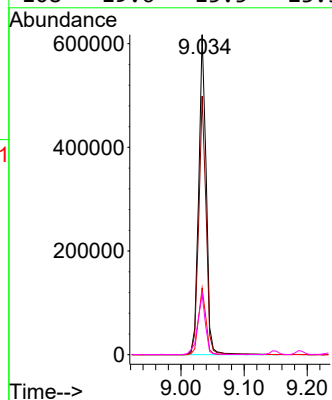
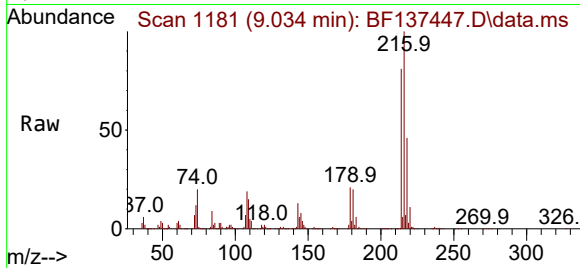




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.358 ng
RT: 9.034 min Scan# 1168
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

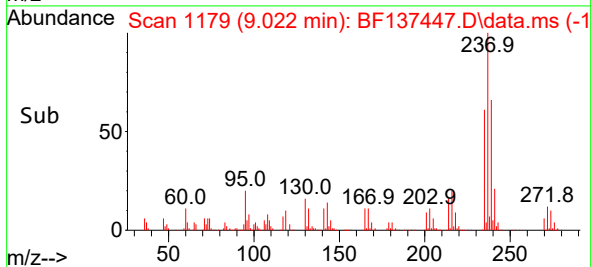
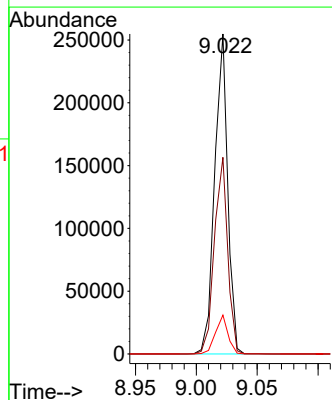
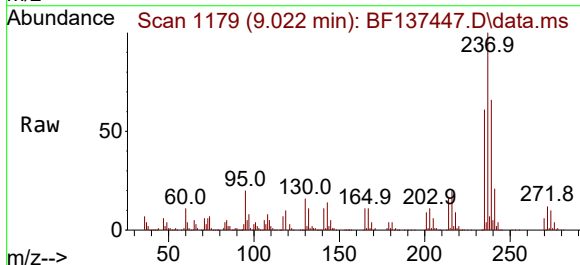
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

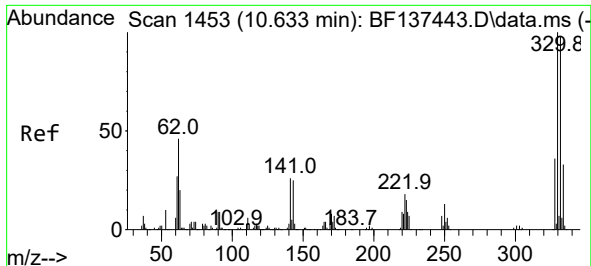
Tgt Ion:	216	Resp:	505846
Ion Ratio	Lower	Upper	
216	100		
214	79.7	63.5	95.3
179	20.7	16.6	25.0
108	19.6	15.5	23.3



#41
Hexachlorocyclopentadiene
Concen: 41.513 ng
RT: 9.022 min Scan# 1179
Delta R.T. 0.077 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:	237	Resp:	189728
Ion Ratio	Lower	Upper	
237	100		
235	61.4	43.6	83.6
272	12.2	0.0	31.9





#42

2,4,6-Tribromophenol

Concen: 81.217 ng

RT: 10.710 min Scan# 1453

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

ICVBF022924

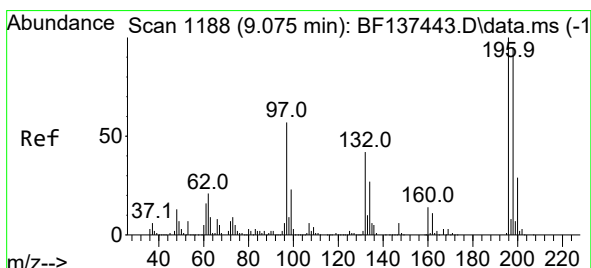
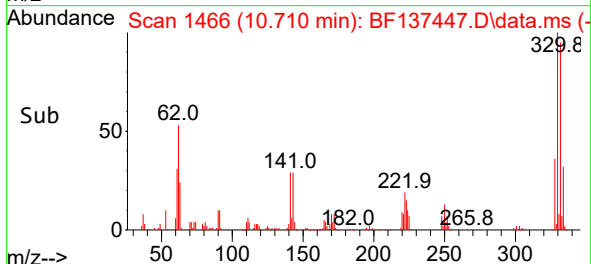
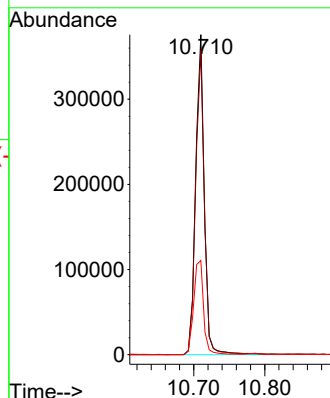
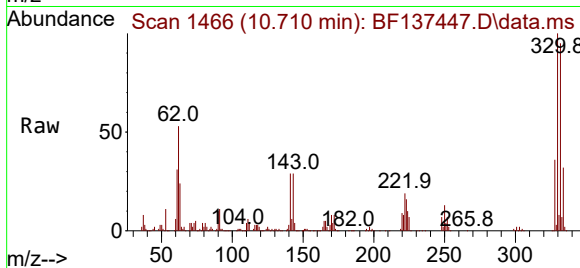
Tgt Ion:330 Resp: 320211

Ion Ratio Lower Upper

330 100

332 96.1 78.0 117.0

141 33.8 27.3 40.9



#43

2,4,6-Trichlorophenol

Concen: 40.691 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

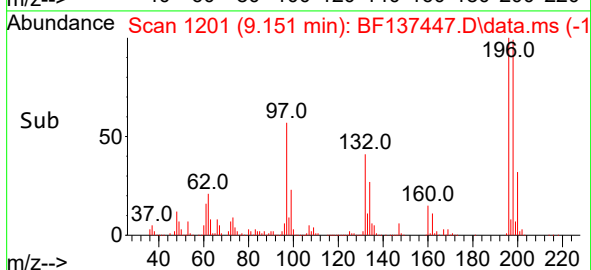
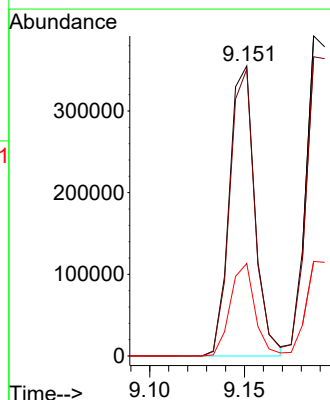
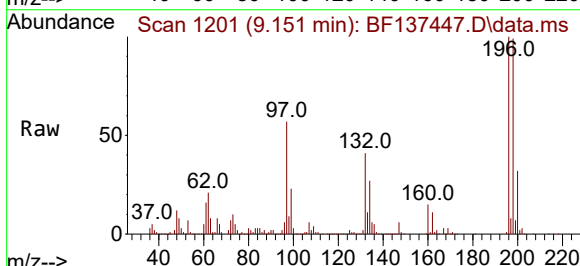
Tgt Ion:196 Resp: 332124

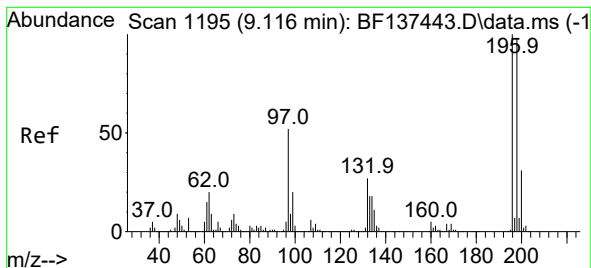
Ion Ratio Lower Upper

196 100

198 98.8 75.8 113.8

200 31.9 23.5 35.3





#44

2,4,5-Trichlorophenol

Concen: 41.118 ng

RT: 9.186 min Scan# 1195

Delta R.T. 0.071 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

ICVBF022924

Tgt Ion:196 Resp: 386602

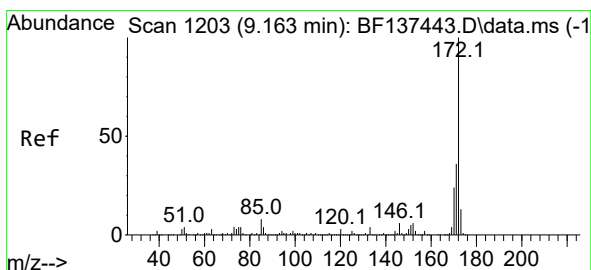
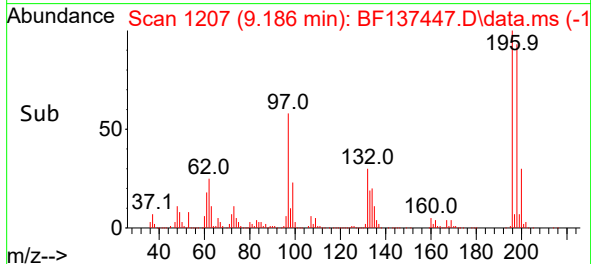
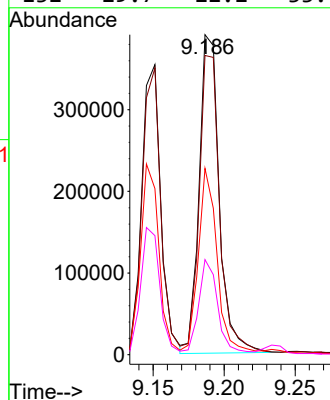
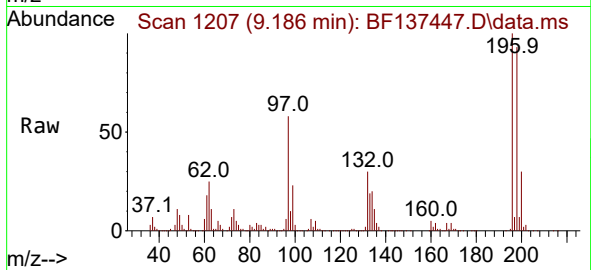
Ion Ratio Lower Upper

196 100

198 93.5 78.6 117.8

97 58.2 41.8 62.8

132 29.7 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 76.340 ng

RT: 9.234 min Scan# 1215

Delta R.T. 0.071 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

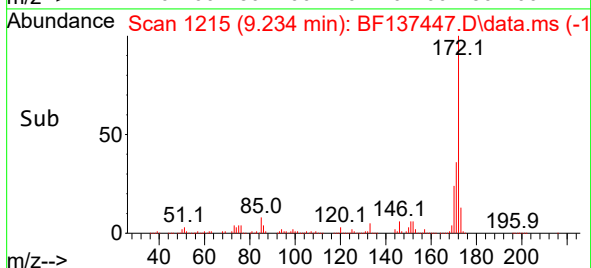
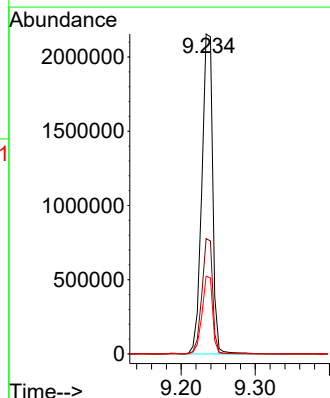
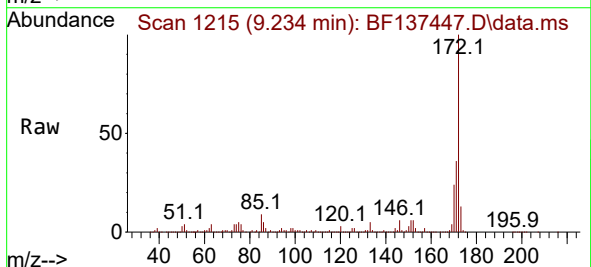
Tgt Ion:172 Resp: 2189491

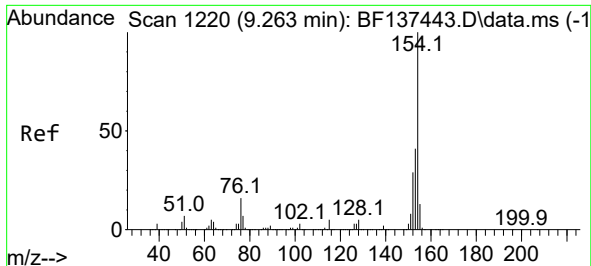
Ion Ratio Lower Upper

172 100

171 36.1 28.5 42.7

170 24.3 19.0 28.6

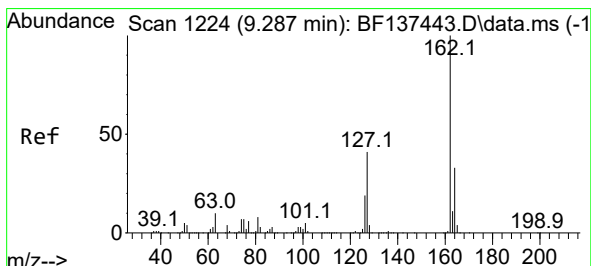
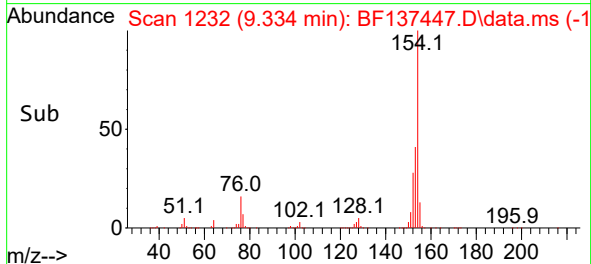
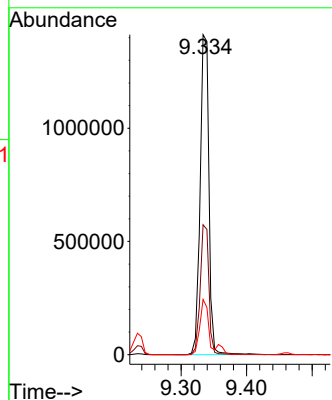
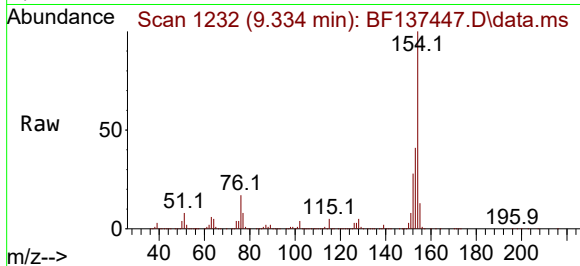




#46
1,1'-Biphenyl
Concen: 40.167 ng
RT: 9.334 min Scan# 1232
Delta R.T. 0.071 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

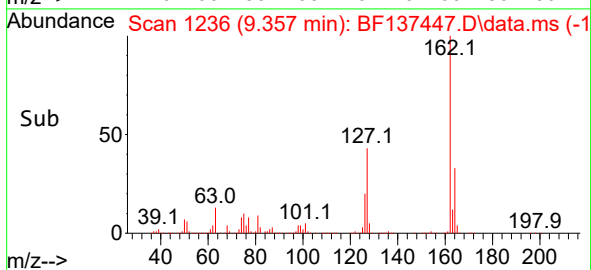
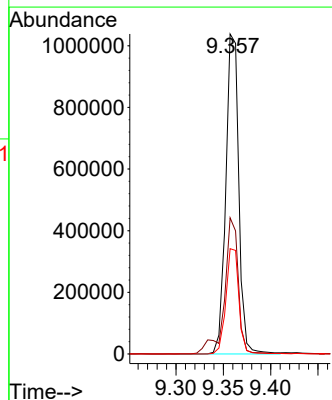
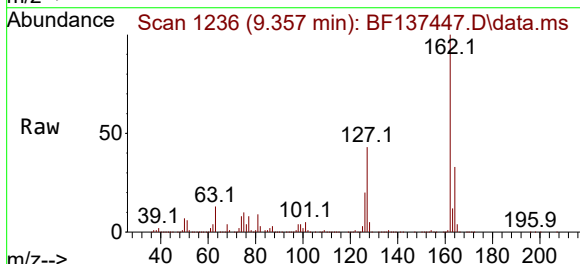
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

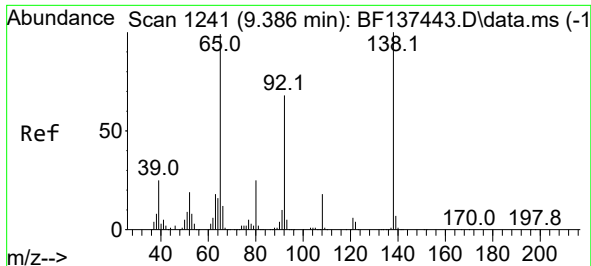
Tgt Ion:154 Resp: 1319890
Ion Ratio Lower Upper
154 100
153 40.6 21.0 61.0
76 17.3 0.0 35.8



#47
2-Chloronaphthalene
Concen: 39.747 ng
RT: 9.357 min Scan# 1236
Delta R.T. 0.070 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:162 Resp: 995787
Ion Ratio Lower Upper
162 100
127 42.6 32.6 49.0
164 32.9 26.5 39.7

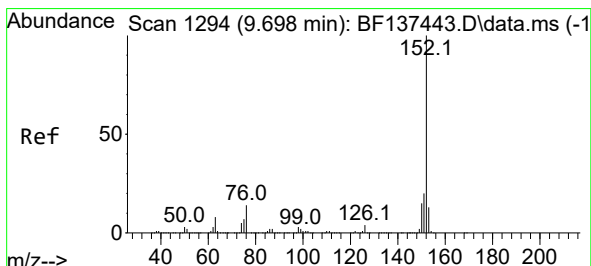
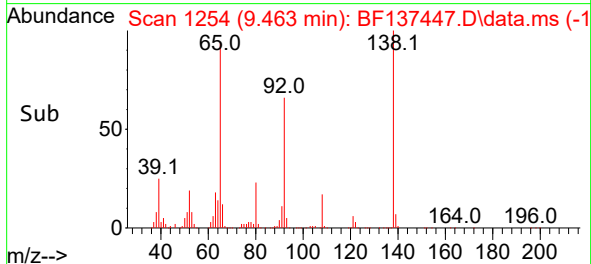
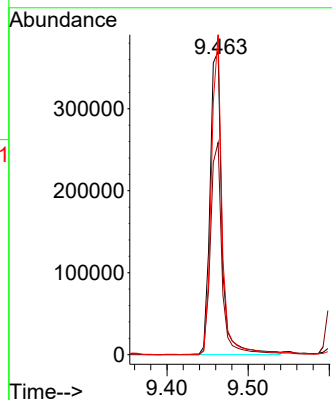
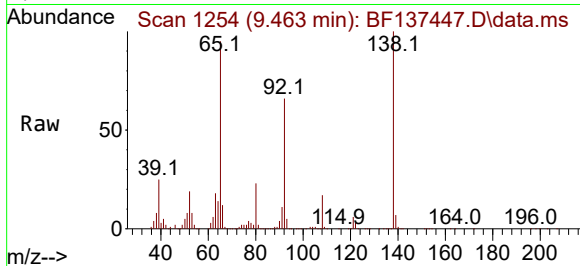




#48
2-Nitroaniline
Concen: 43.934 ng
RT: 9.463 min Scan# 1307
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

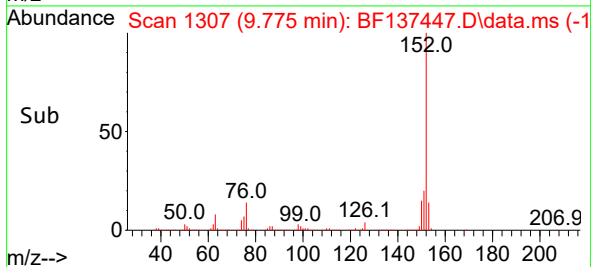
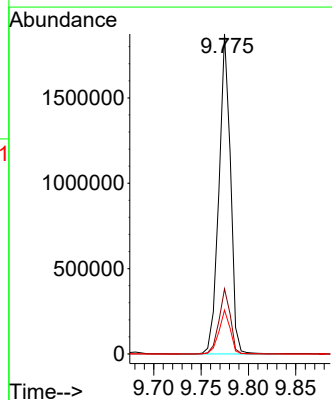
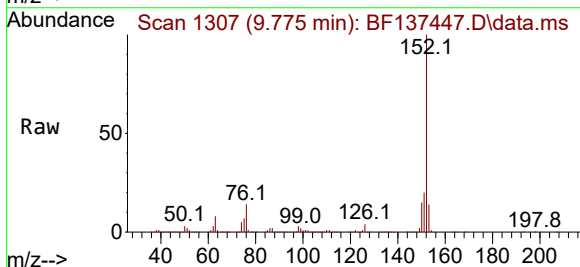
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

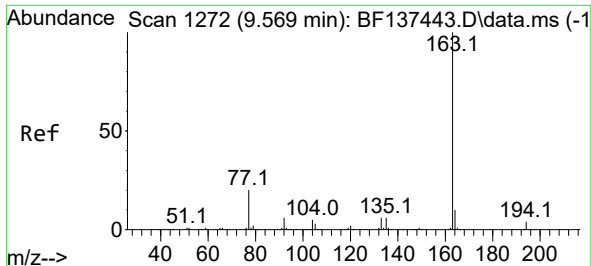
Tgt Ion: 65 Resp: 374109
Ion Ratio Lower Upper
65 100
92 69.9 55.4 83.2
138 105.5 81.0 121.6



#49
Acenaphthylene
Concen: 39.534 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.077 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:152 Resp: 1585044
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.7 10.8 16.2

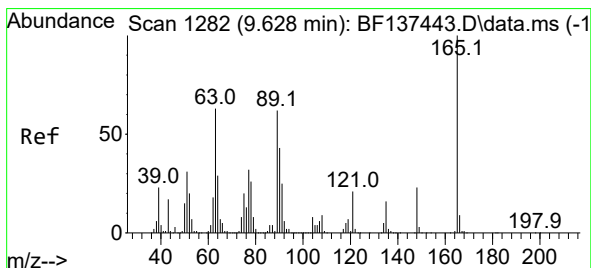
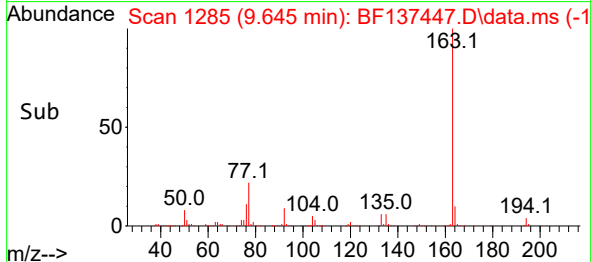
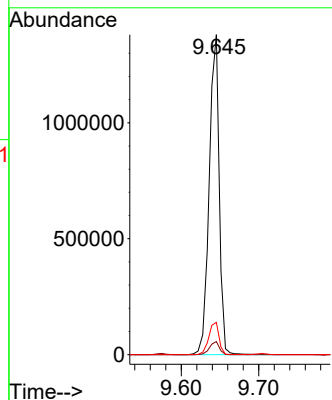
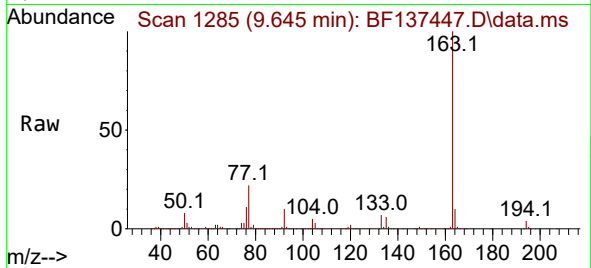




#50
Dimethylphthalate
Concen: 39.579 ng
RT: 9.645 min Scan# 1285
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

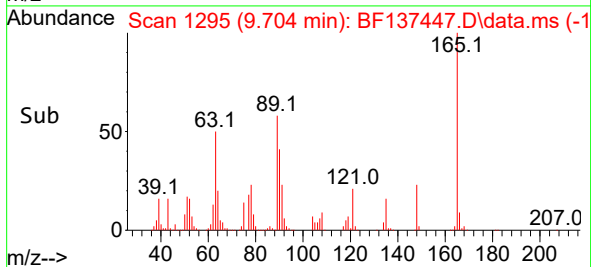
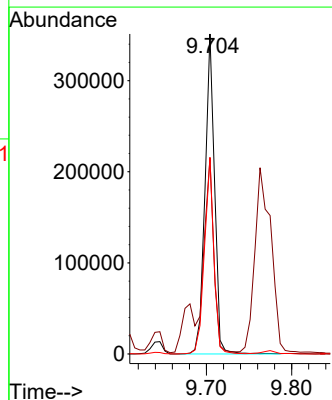
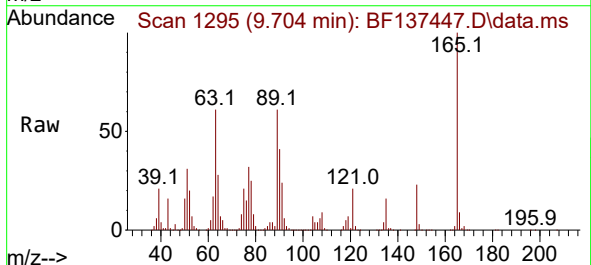
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

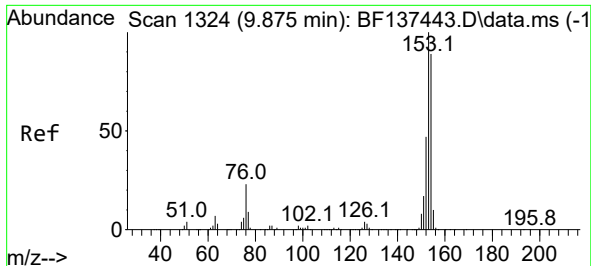
Tgt Ion:163 Resp: 1236954
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 41.886 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:165 Resp: 273800
Ion Ratio Lower Upper
165 100
63 61.4 50.7 76.1
89 61.4 50.0 75.0

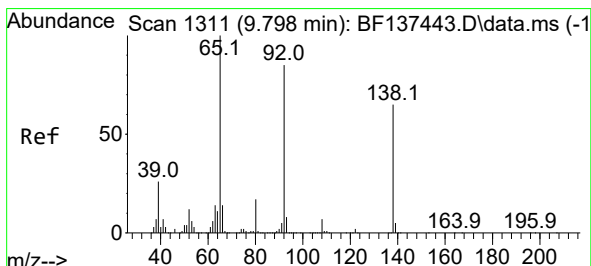
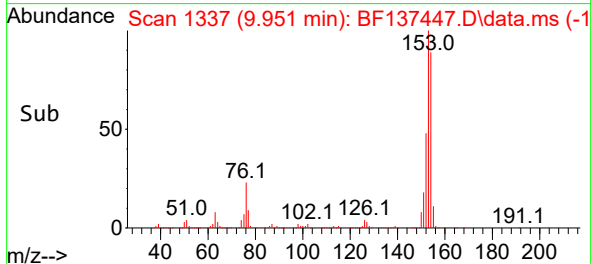
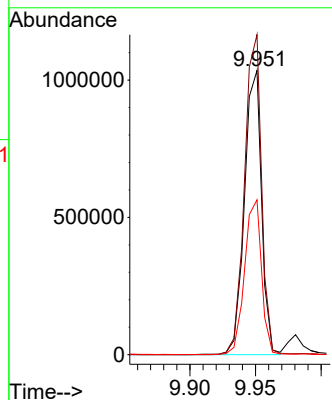
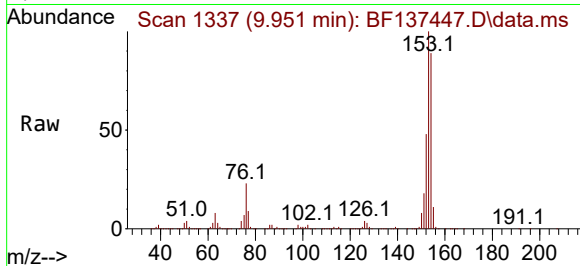




#52
Acenaphthene
Concen: 39.348 ng
RT: 9.951 min Scan# 1337
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

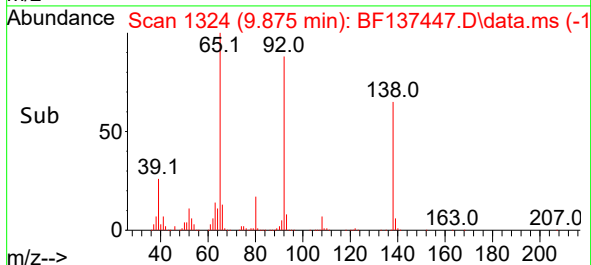
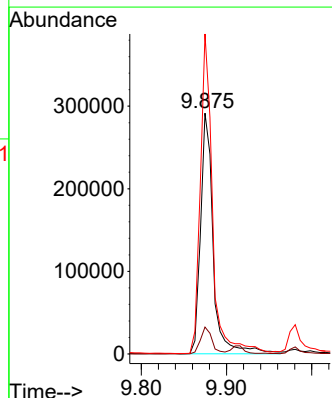
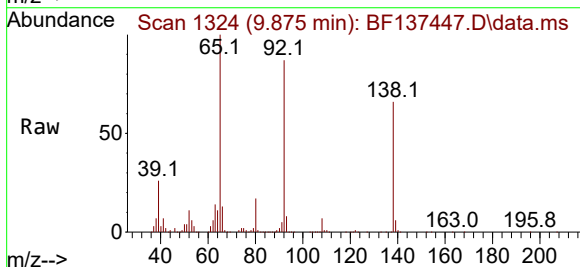
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

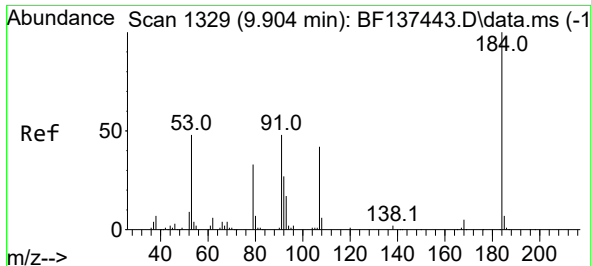
Tgt Ion:154 Resp: 941822
Ion Ratio Lower Upper
154 100
153 112.6 90.3 135.5
152 54.5 42.7 64.1



#53
3-Nitroaniline
Concen: 43.361 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:138 Resp: 299809
Ion Ratio Lower Upper
138 100
108 11.2 9.1 13.7
92 132.9 104.6 157.0

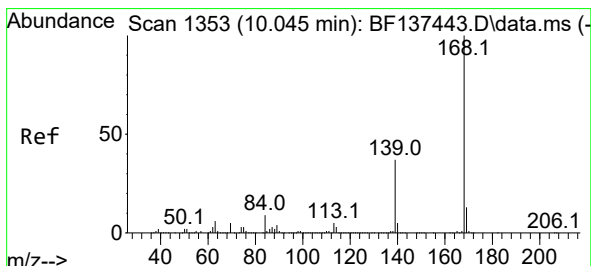
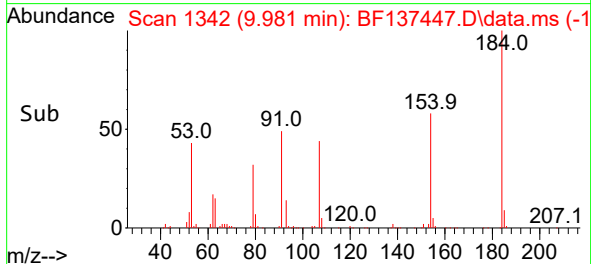
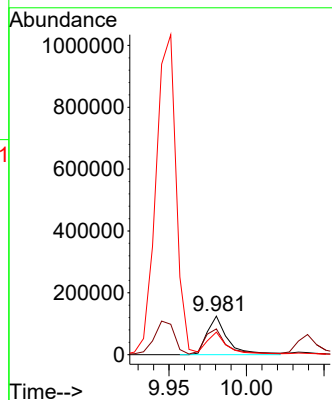
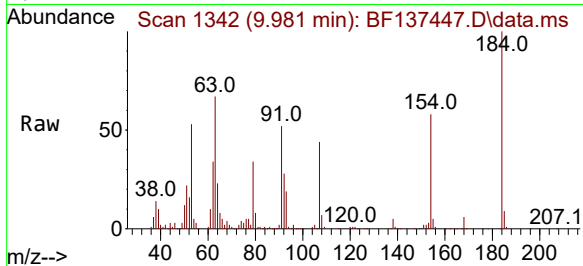




#54
2,4-Dinitrophenol
Concen: 40.428 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.077 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

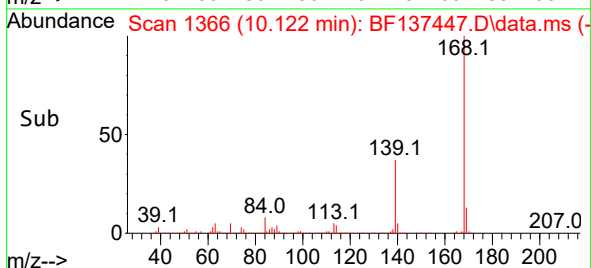
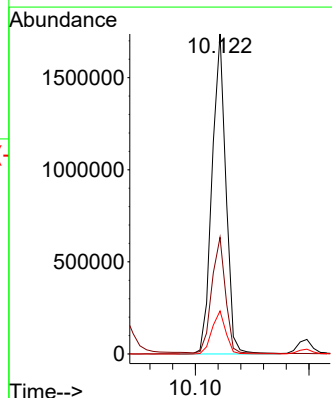
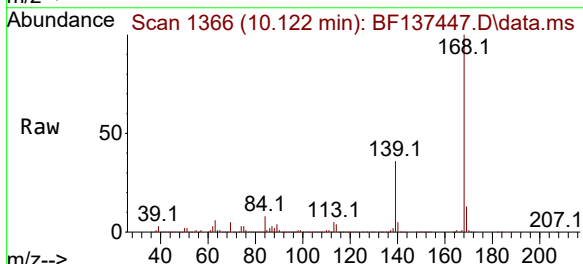
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

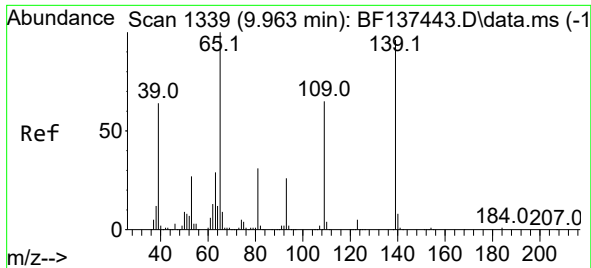
Tgt Ion:184 Resp: 114438
Ion Ratio Lower Upper
184 100
63 66.7 53.3 79.9
154 58.4 47.4 71.0



#55
Dibenzofuran
Concen: 40.123 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.077 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:168 Resp: 1462732
Ion Ratio Lower Upper
168 100
139 36.4 29.8 44.6
169 13.4 10.8 16.2

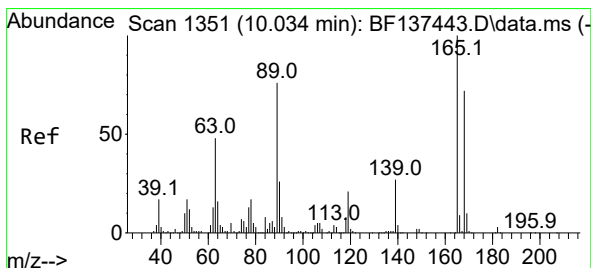
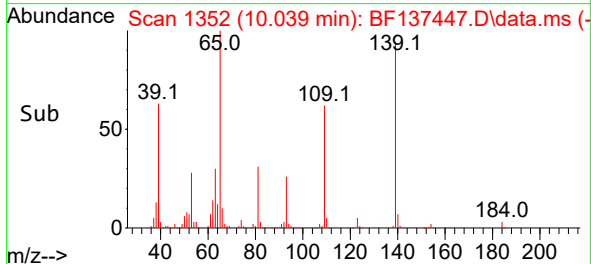
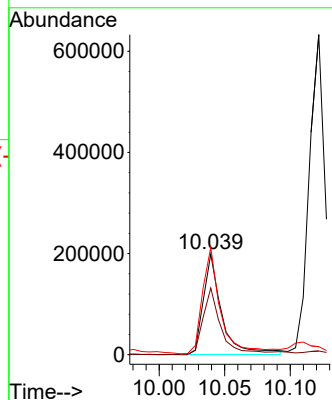
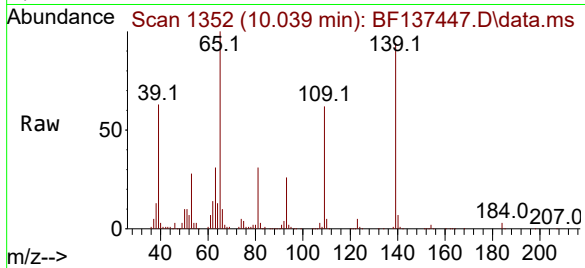




#56
4-Nitrophenol
Concen: 41.613 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

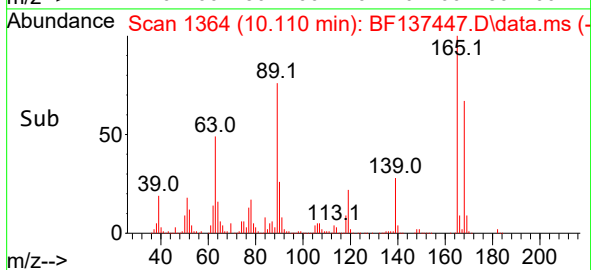
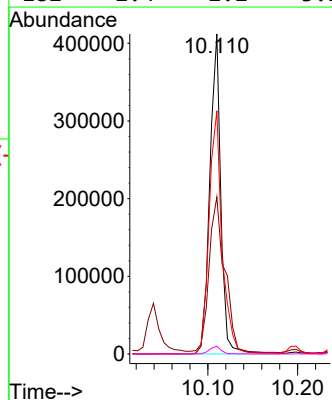
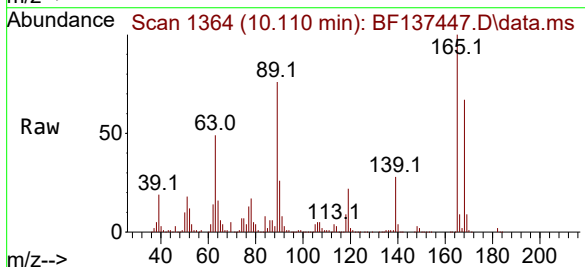
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

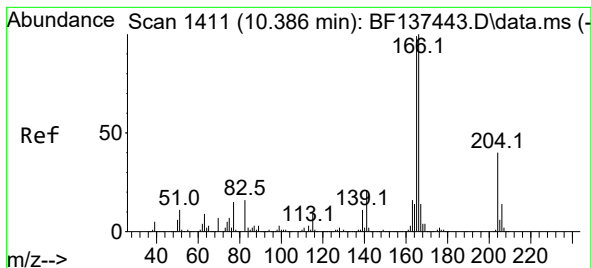
Tgt Ion:139 Resp: 193377
Ion Ratio Lower Upper
139 100
109 66.3 47.1 87.1
65 106.7 85.1 125.1



#57
2,4-Dinitrotoluene
Concen: 43.620 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:165 Resp: 350315
Ion Ratio Lower Upper
165 100
63 49.1 39.0 58.6
89 76.0 60.9 91.3
182 2.4 2.2 3.2





#58

Fluorene

Concen: 38.909 ng

RT: 10.469 min Scan# 1411

Delta R.T. 0.082 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

ICVBF022924

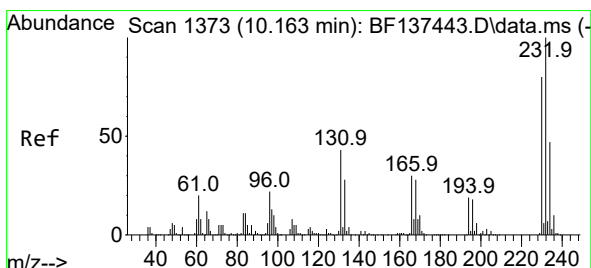
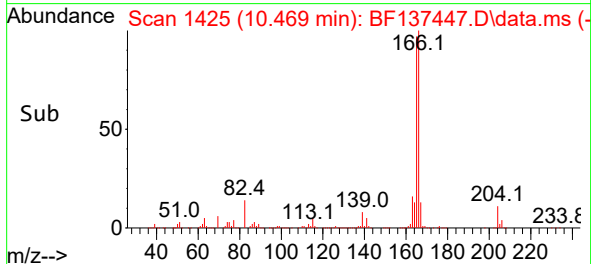
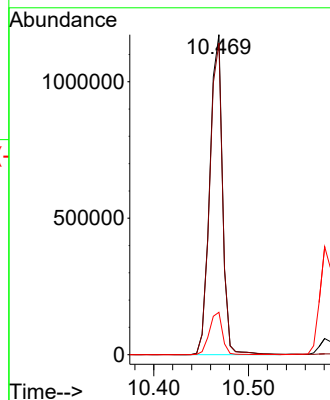
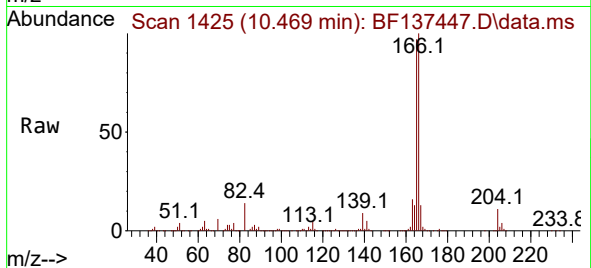
Tgt Ion:166 Resp: 1089363

Ion Ratio Lower Upper

166 100

165 97.4 79.2 118.8

167 13.3 11.0 16.6



#59

2,3,4,6-Tetrachlorophenol

Concen: 41.009 ng

RT: 10.239 min Scan# 1386

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Tgt Ion:232 Resp: 309198

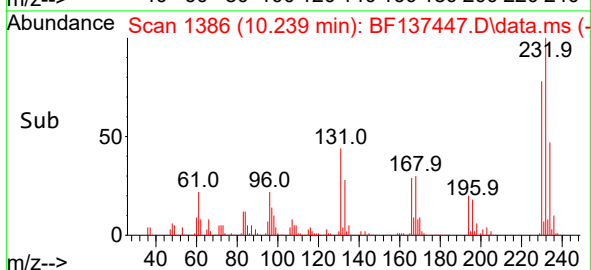
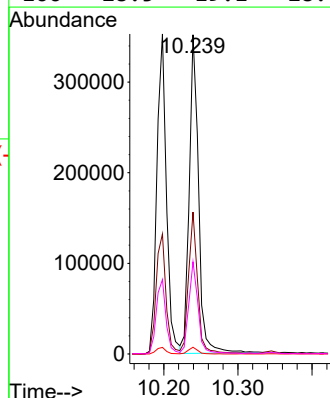
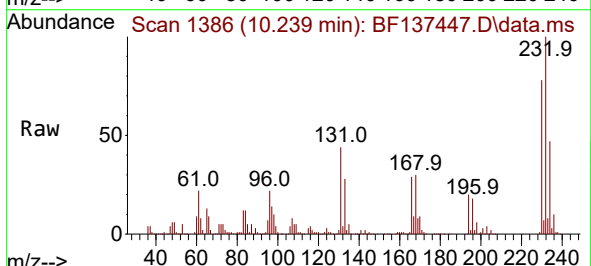
Ion Ratio Lower Upper

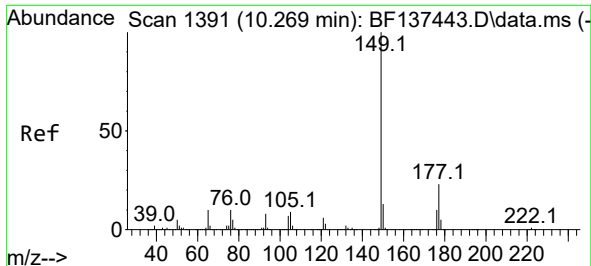
232 100

131 42.7 31.2 46.8

130 2.2 1.8 2.6

166 28.5 19.1 28.7

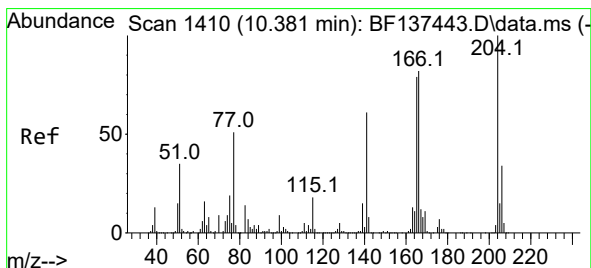
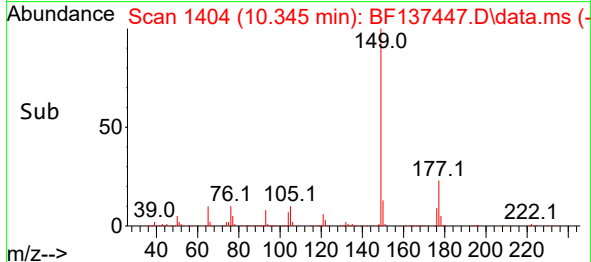
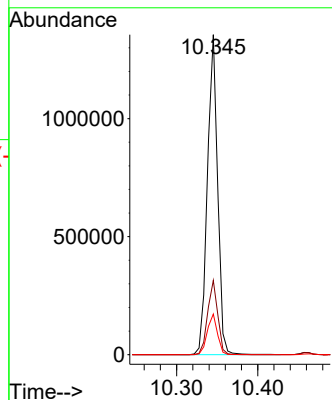
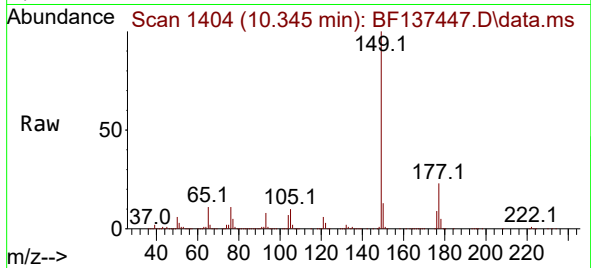




#60
Diethylphthalate
Concen: 39.937 ng
RT: 10.345 min Scan# 1404
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

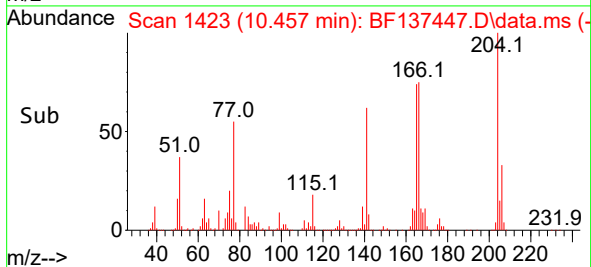
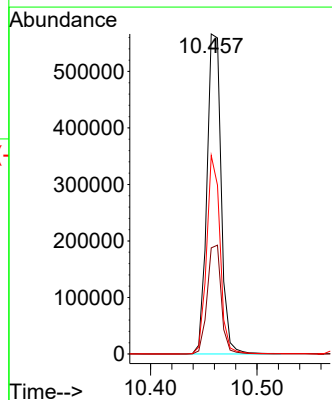
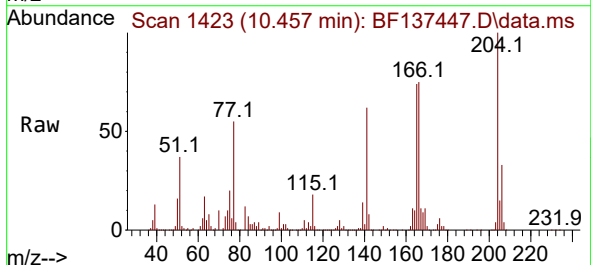
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

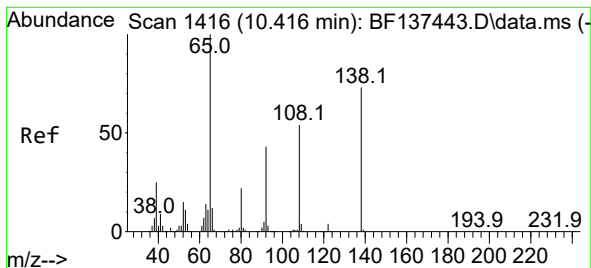
Tgt Ion:149 Resp: 1178651
Ion Ratio Lower Upper
149 100
177 23.2 18.7 28.1
150 12.7 10.2 15.4



#61
4-Chlorophenyl-phenylether
Concen: 38.430 ng
RT: 10.457 min Scan# 1423
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:204 Resp: 527323
Ion Ratio Lower Upper
204 100
206 33.1 27.4 41.0
141 62.0 48.4 72.6

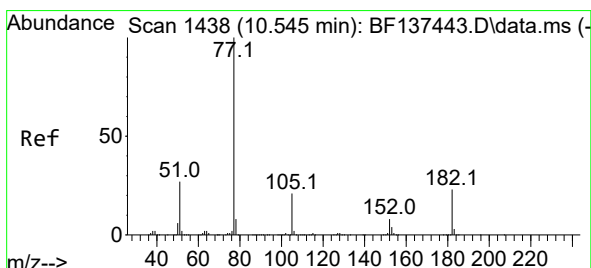
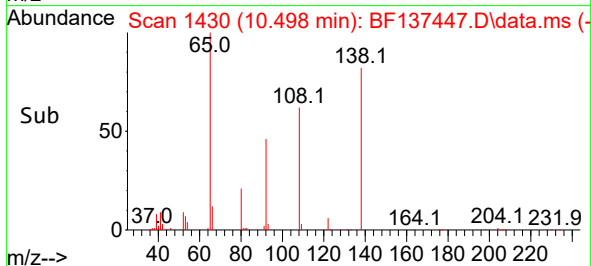
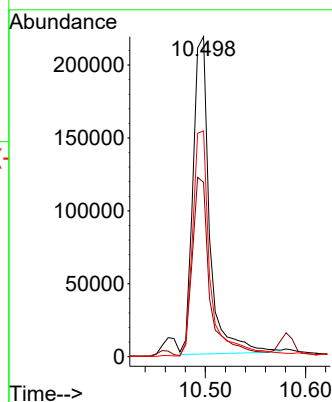
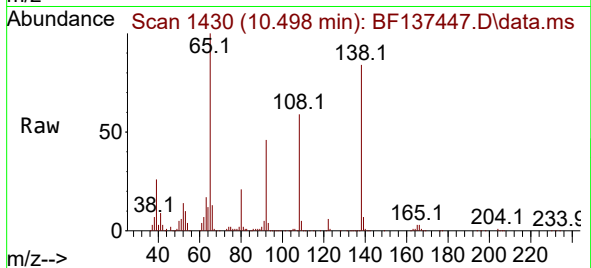




#62
4-Nitroaniline
Concen: 42.223 ng
RT: 10.498 min Scan# 1416
Delta R.T. 0.082 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

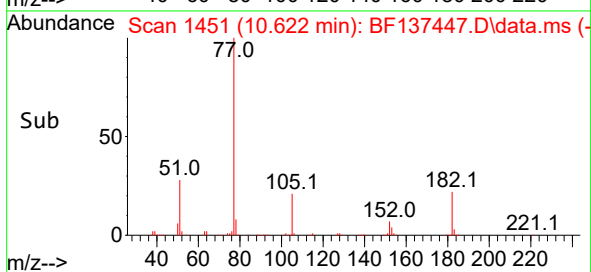
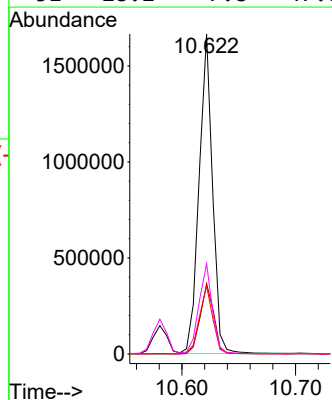
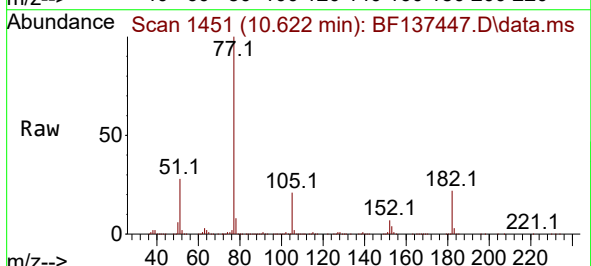
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

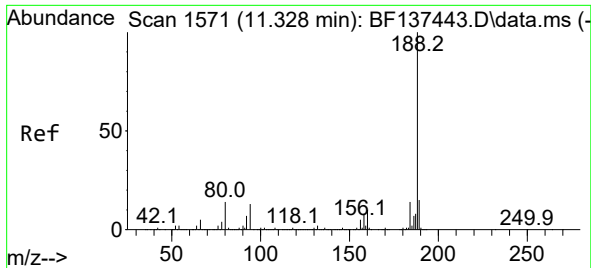
Tgt Ion:138 Resp: 250919
Ion Ratio Lower Upper
138 100
92 54.5 37.9 77.9
108 70.6 53.2 93.2



#63
Azobenzene
Concen: 40.315 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion: 77 Resp: 1370059
Ion Ratio Lower Upper
77 100
182 22.0 3.2 43.2
105 21.3 1.2 41.2
51 28.2 7.8 47.8

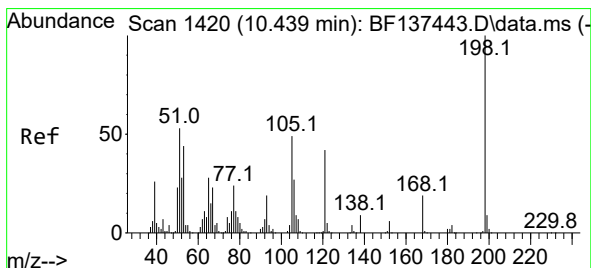
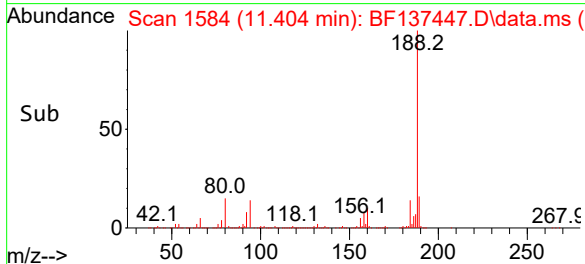
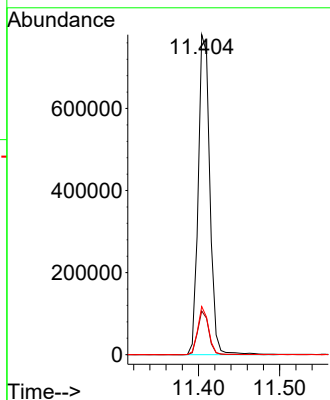
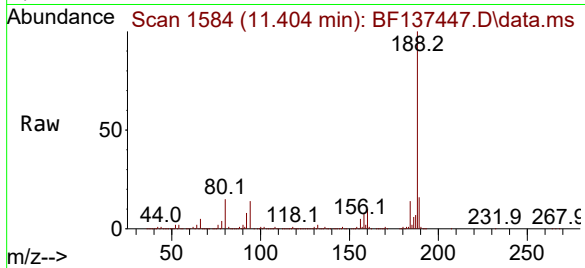




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

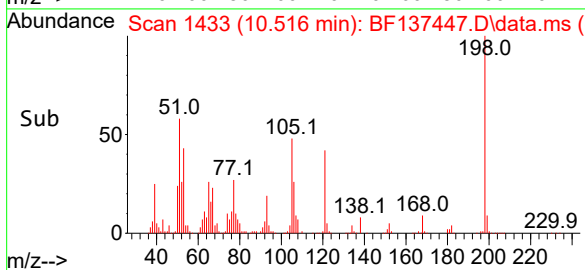
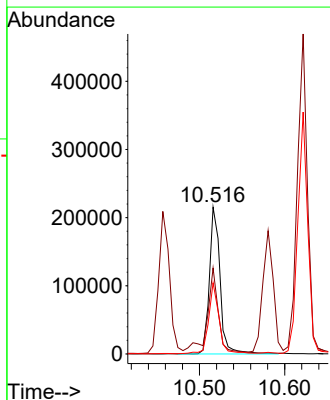
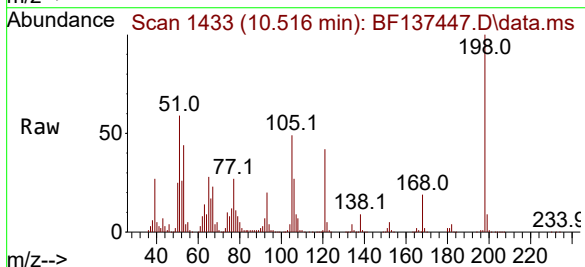
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

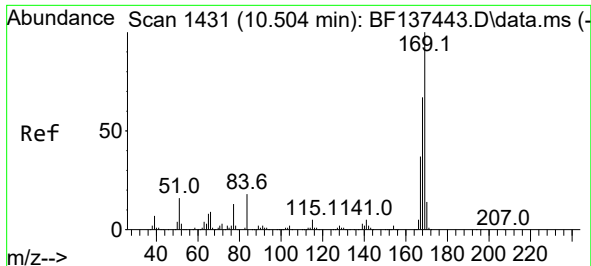
Tgt Ion:188 Resp: 775689
Ion Ratio Lower Upper
188 100
94 13.7 10.6 15.8
80 15.0 11.5 17.3



#65
4,6-Dinitro-2-methylphenol
Concen: 43.367 ng
RT: 10.516 min Scan# 1433
Delta R.T. 0.077 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:198 Resp: 187486
Ion Ratio Lower Upper
198 100
51 58.6 37.2 77.2
105 48.5 29.2 69.2

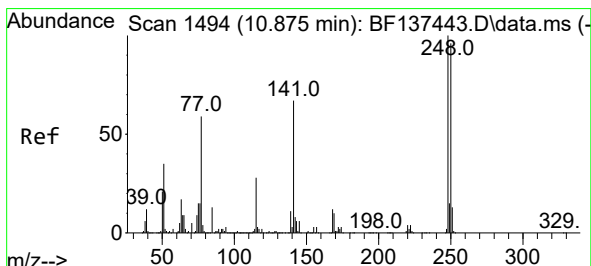
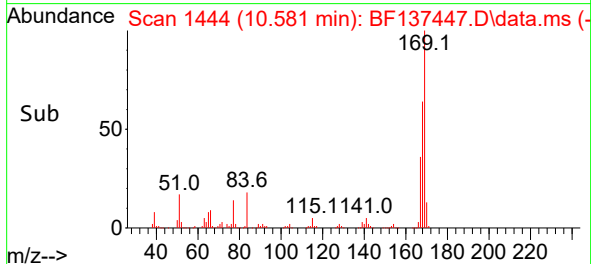
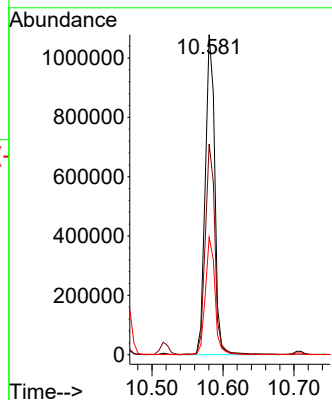
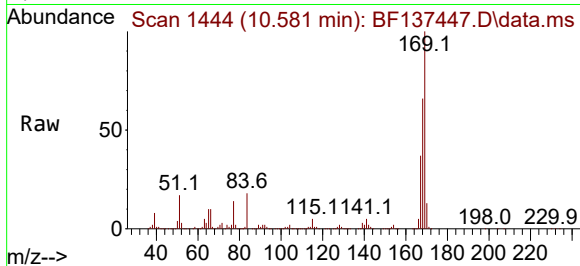




#66
n-Nitrosodiphenylamine
Concen: 40.298 ng
RT: 10.581 min Scan# 1431
Delta R.T. 0.077 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

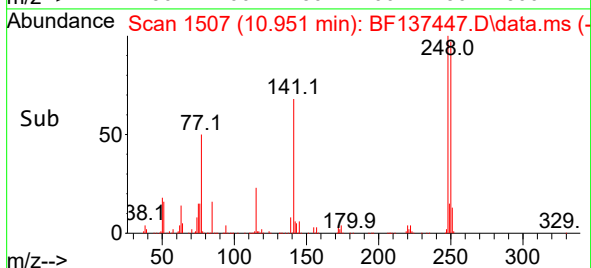
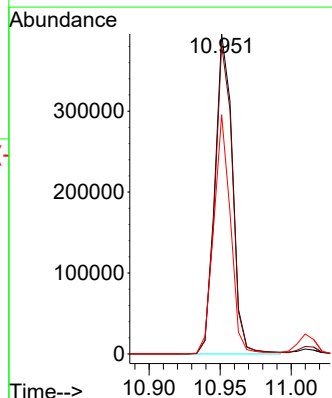
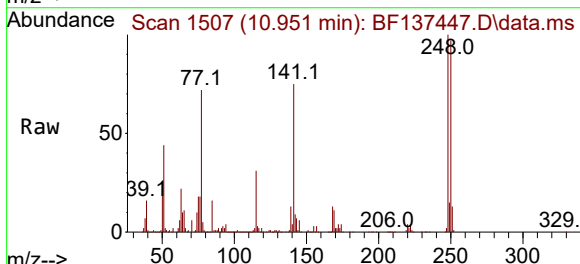
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

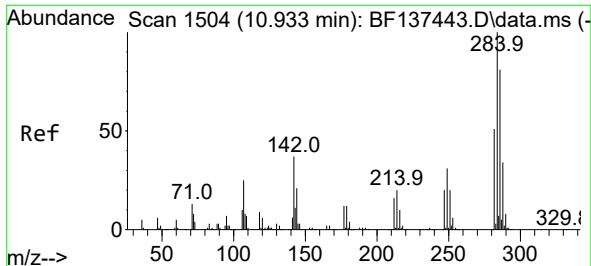
Tgt Ion:169 Resp: 1006585
Ion Ratio Lower Upper
169 100
168 65.9 53.8 80.6
167 36.7 29.6 44.4



#67
4-Bromophenyl-phenylether
Concen: 40.510 ng
RT: 10.951 min Scan# 1507
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:248 Resp: 342254
Ion Ratio Lower Upper
248 100
250 96.7 76.8 115.2
141 74.8 53.4 80.0

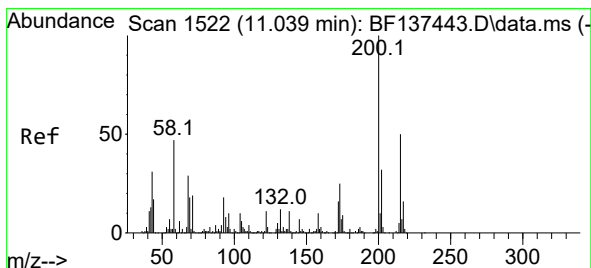
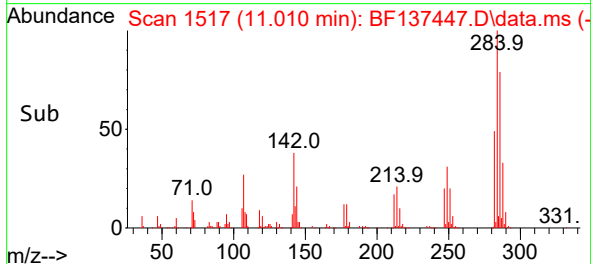
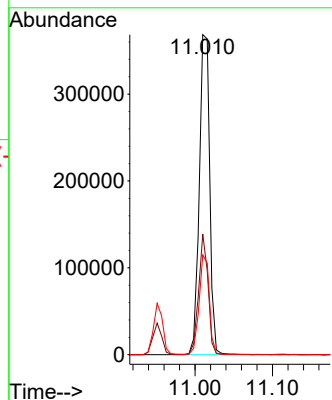
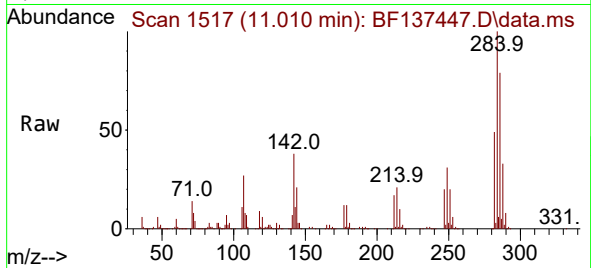




#68
Hexachlorobenzene
Concen: 40.339 ng
RT: 11.010 min Scan# 1517
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

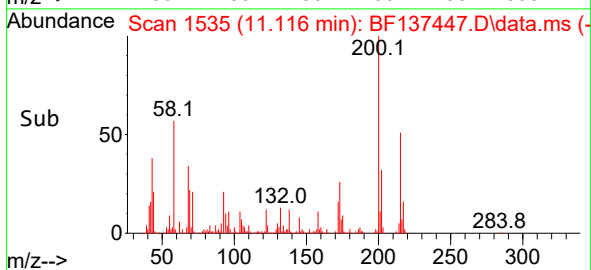
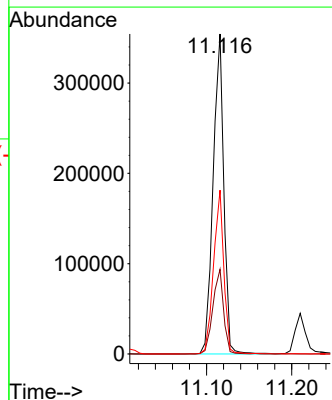
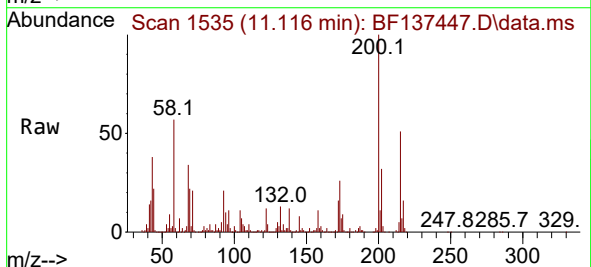
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

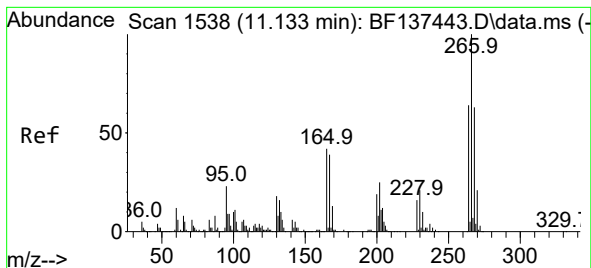
Tgt Ion:284 Resp: 344223
Ion Ratio Lower Upper
284 100
142 37.7 29.4 44.0
249 31.1 25.0 37.4



#69
Atrazine
Concen: 40.634 ng
RT: 11.116 min Scan# 1535
Delta R.T. 0.076 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:200 Resp: 308545
Ion Ratio Lower Upper
200 100
173 26.5 5.1 45.1
215 51.2 30.4 70.4





#70

Pentachlorophenol

Concen: 42.470 ng

RT: 11.210 min Scan# 1551

Delta R.T. 0.077 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

ICVBF022924

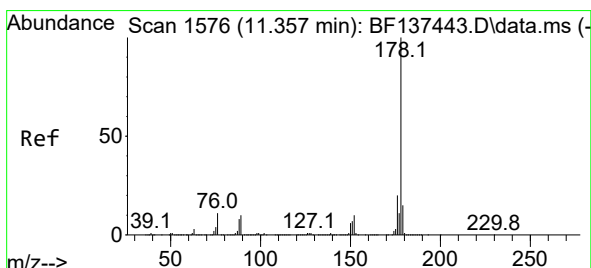
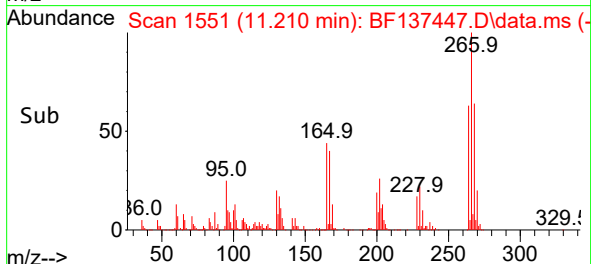
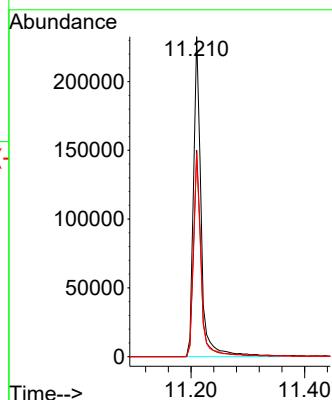
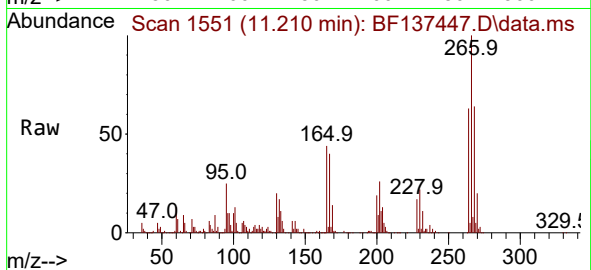
Tgt Ion:266 Resp: 219083

Ion Ratio Lower Upper

266 100

268 64.5 50.2 75.2

264 63.4 50.9 76.3



#71

Phenanthrene

Concen: 39.294 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

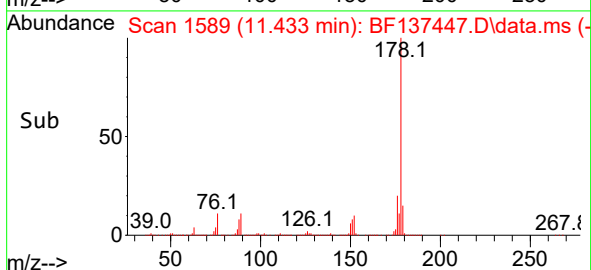
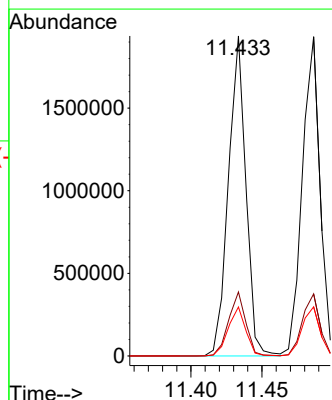
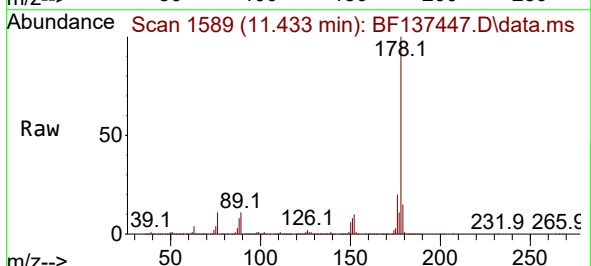
Tgt Ion:178 Resp: 1658765

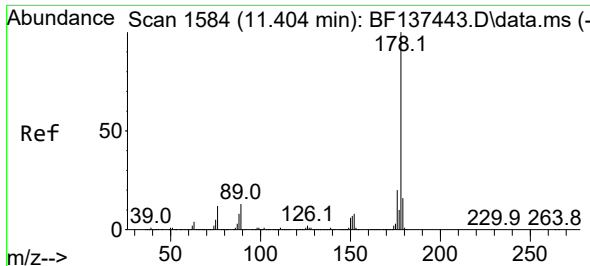
Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

179 15.3 12.2 18.2

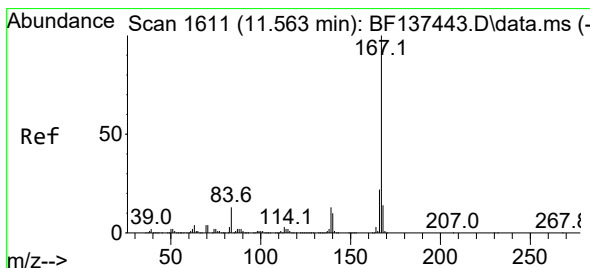
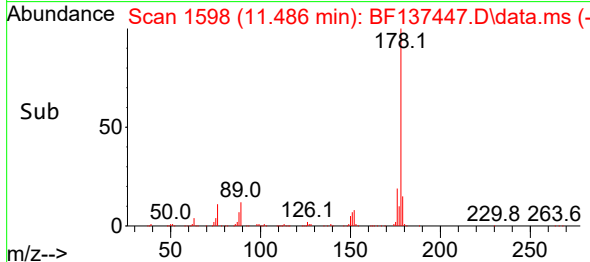
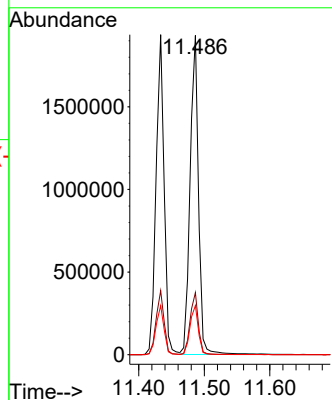
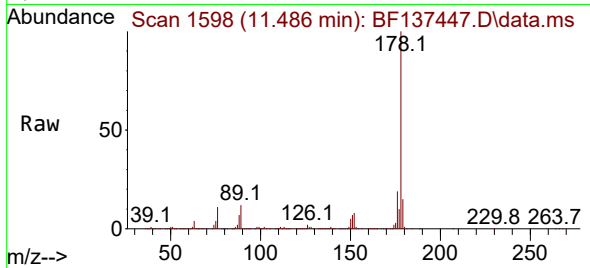




#72
 Anthracene
 Concen: 39.514 ng
 RT: 11.486 min Scan# 11
 Delta R.T. 0.082 min
 Lab File: BF137447.D
 Acq: 29 Feb 2024 17:44

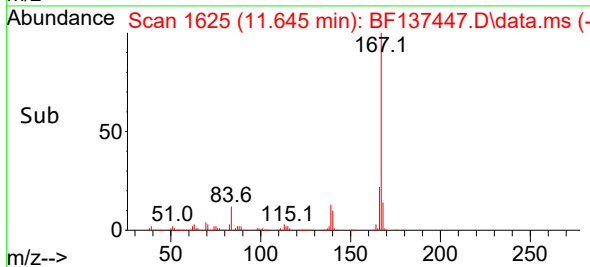
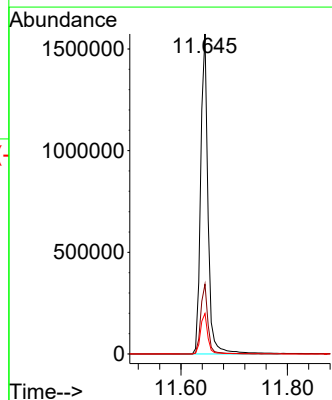
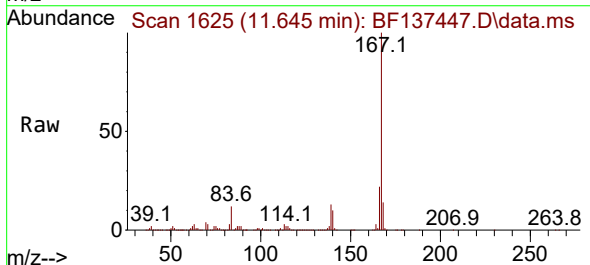
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022924

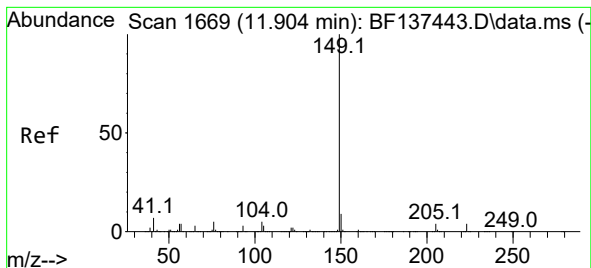
Tgt Ion:178 Resp: 1713181
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.7 23.5
 179 15.4 12.7 19.1



#73
 Carbazole
 Concen: 40.364 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. 0.082 min
 Lab File: BF137447.D
 Acq: 29 Feb 2024 17:44

Tgt Ion:167 Resp: 1499052
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.8 26.8
 139 12.6 10.5 15.7





#74

Di-n-butylphthalate

Concen: 40.758 ng

RT: 11.980 min Scan# 1

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

ICVBF022924

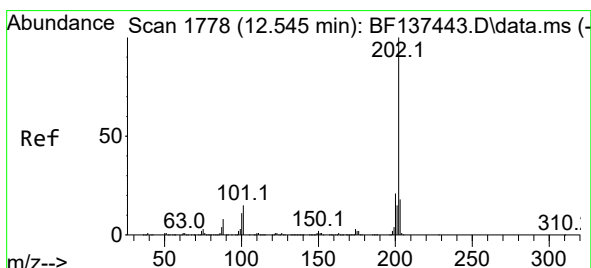
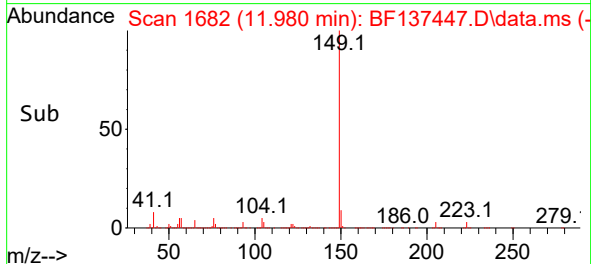
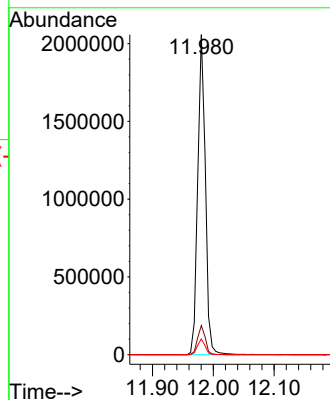
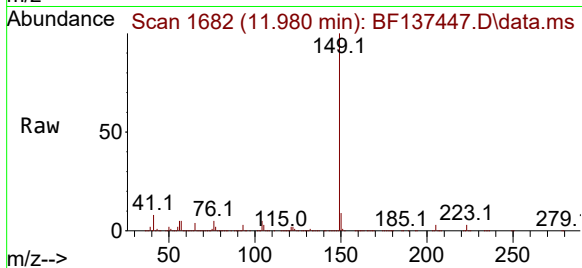
Tgt Ion:149 Resp: 1800912

Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.0 3.8 5.6



#75

Fluoranthene

Concen: 39.697 ng

RT: 12.627 min Scan# 1792

Delta R.T. 0.082 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

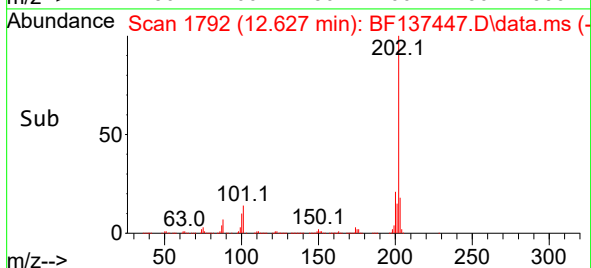
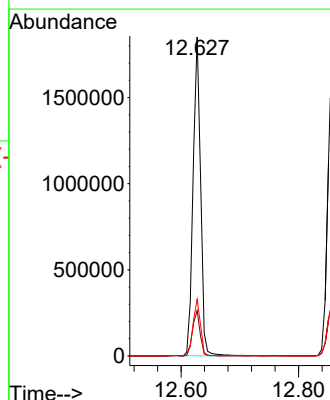
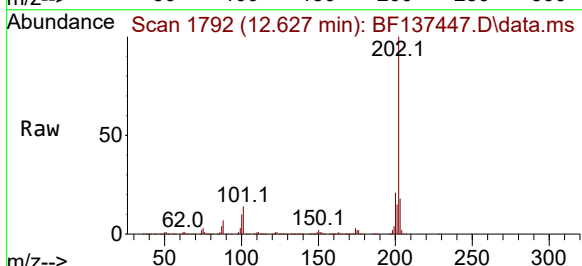
Tgt Ion:202 Resp: 1638048

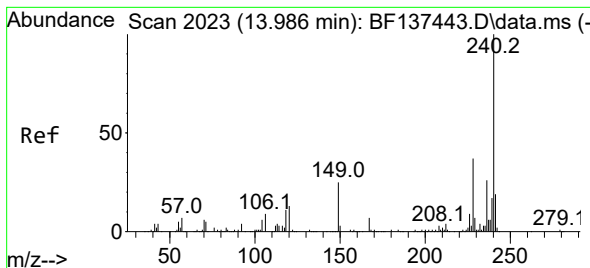
Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.0

203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 2023

Delta R.T. 0.082 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

ICVBF022924

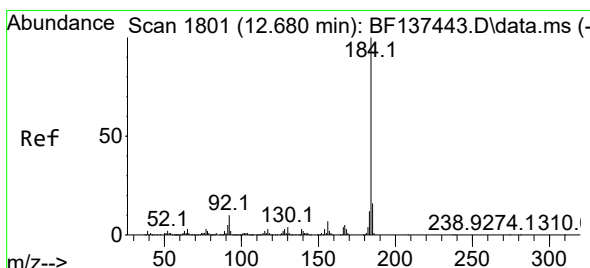
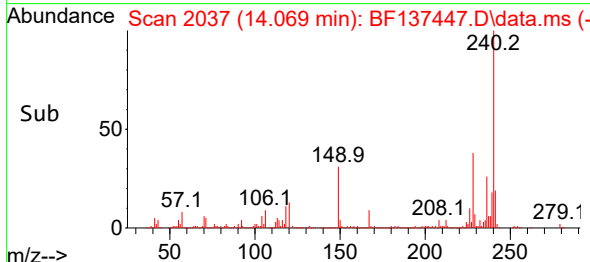
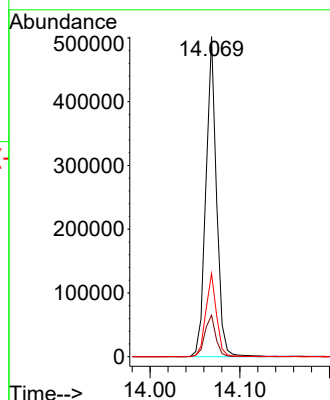
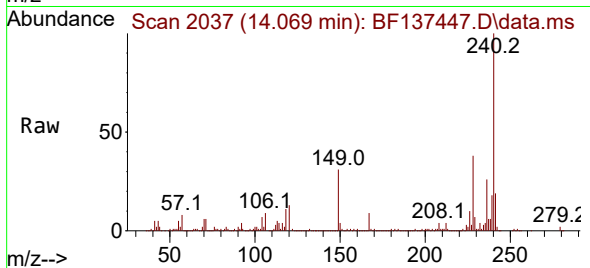
Tgt Ion:240 Resp: 412116

Ion Ratio Lower Upper

240 100

120 13.0 10.4 15.6

236 26.0 20.9 31.3



#77

Benzidine

Concen: 41.378 ng

RT: 12.757 min Scan# 1814

Delta R.T. 0.077 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

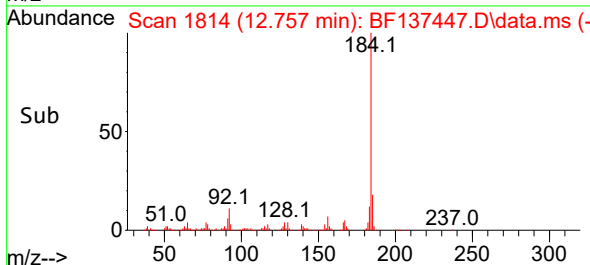
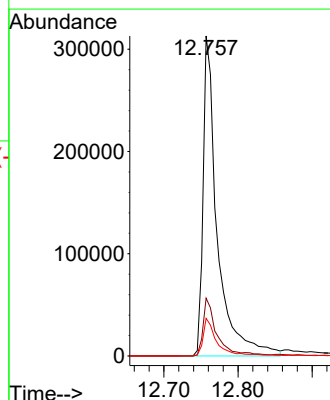
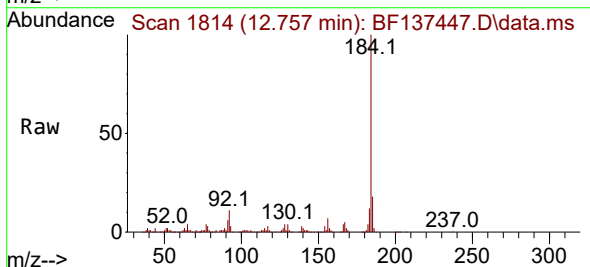
Tgt Ion:184 Resp: 417310

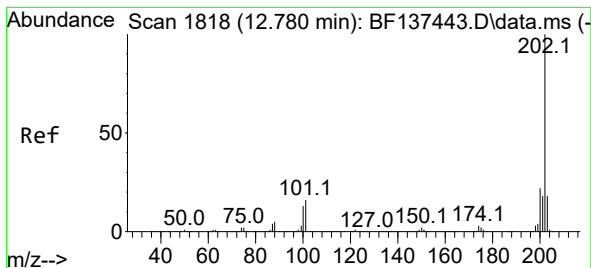
Ion Ratio Lower Upper

184 100

185 18.1 13.2 19.8

183 11.7 9.3 13.9





#78

Pyrene

Concen: 40.735 ng

RT: 12.857 min Scan# 1831

Delta R.T. 0.076 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

Instrument :

BNA_F

ClientSampleId :

ICVBF022924

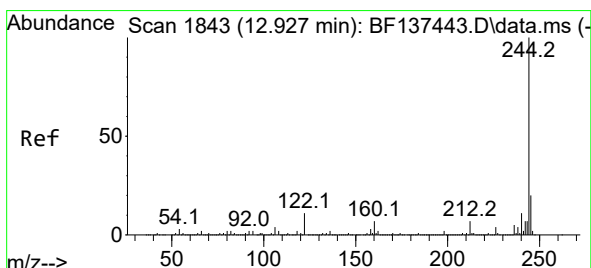
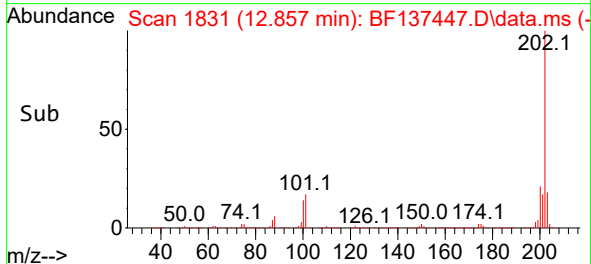
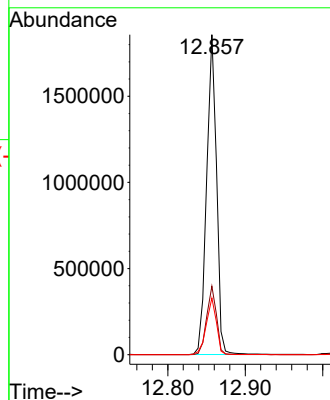
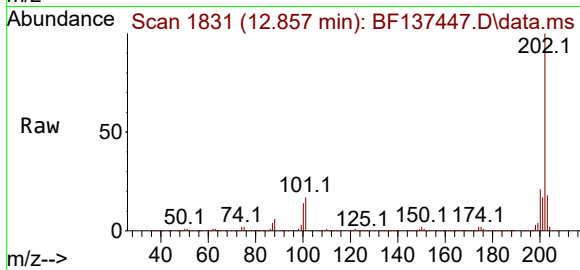
Tgt Ion:202 Resp: 1647221

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 80.502 ng

RT: 13.010 min Scan# 1857

Delta R.T. 0.082 min

Lab File: BF137447.D

Acq: 29 Feb 2024 17:44

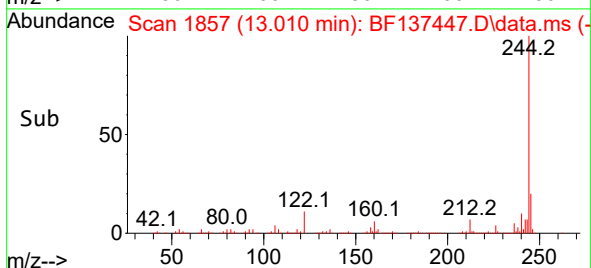
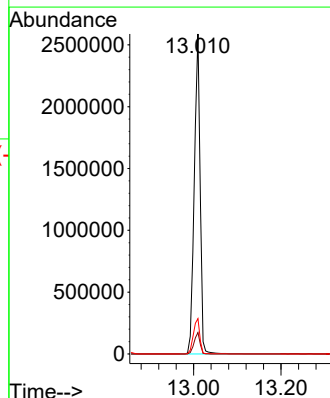
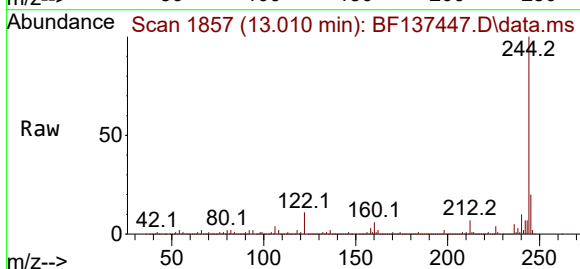
Tgt Ion:244 Resp: 2412611

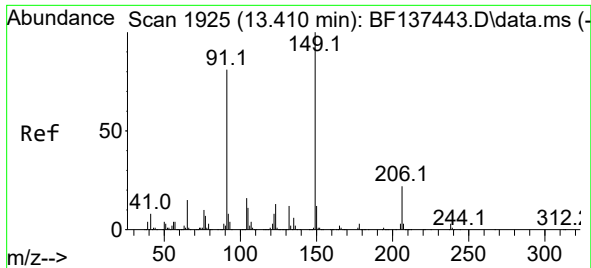
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.0 9.1 13.7

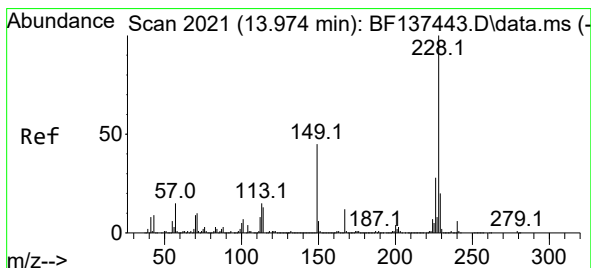
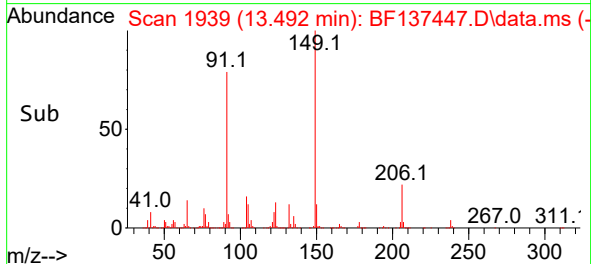
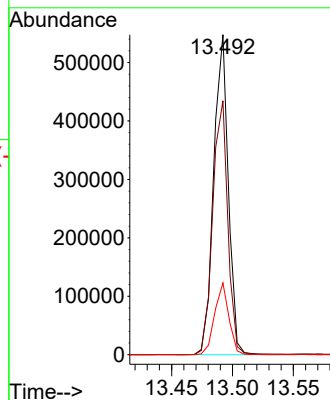
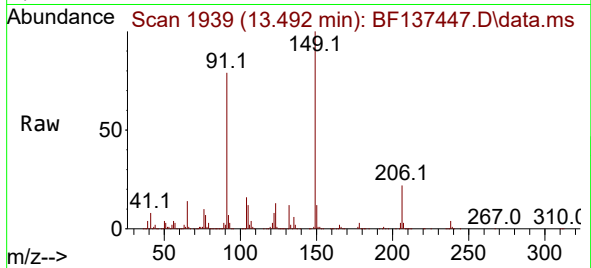




#80
Butylbenzylphthalate
Concen: 44.194 ng
RT: 13.492 min Scan# 1925
Delta R.T. 0.082 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

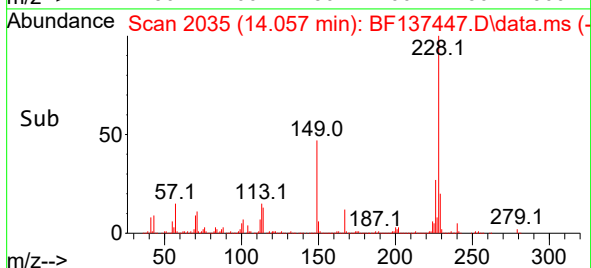
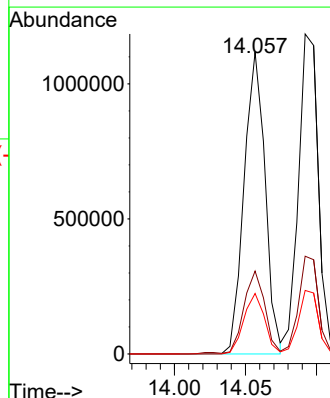
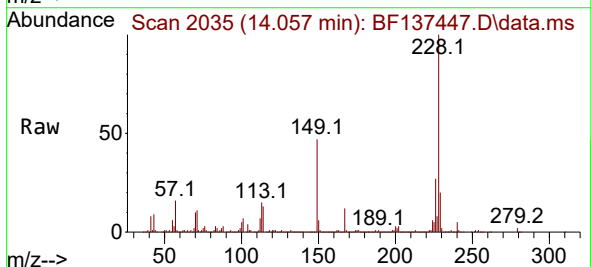
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

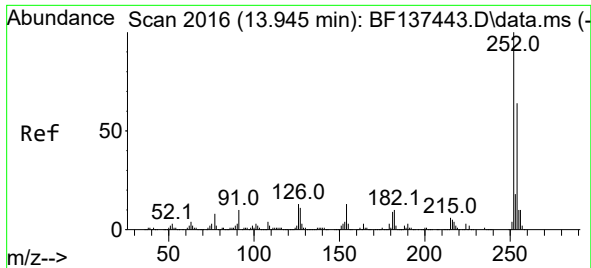
Tgt Ion:149 Resp: 456407
Ion Ratio Lower Upper
149 100
91 79.3 64.7 97.1
206 22.4 17.5 26.3



#81
Benzo(a)anthracene
Concen: 39.894 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.082 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:228 Resp: 1152322
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 20.0 16.3 24.5

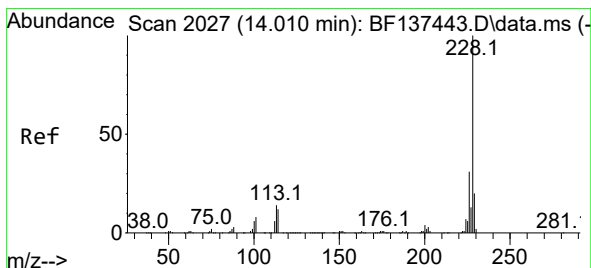
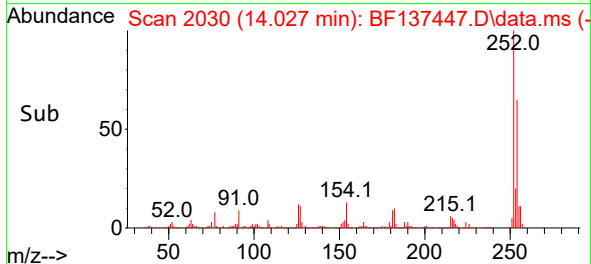
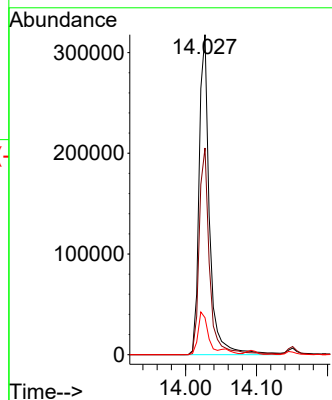
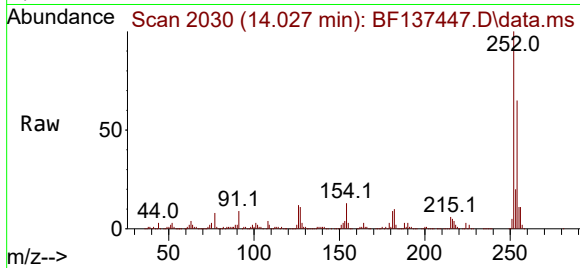




#82
 3,3'-Dichlorobenzidine
 Concen: 42.162 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.082 min
 Lab File: BF137447.D
 Acq: 29 Feb 2024 17:44

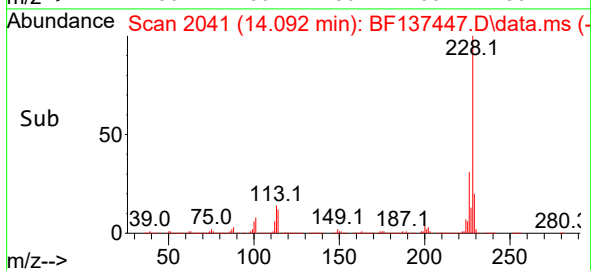
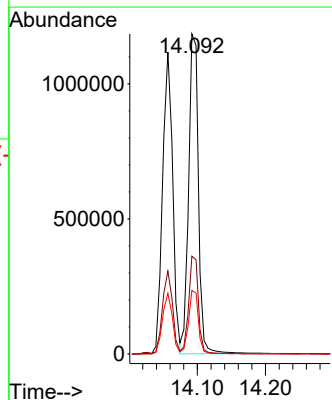
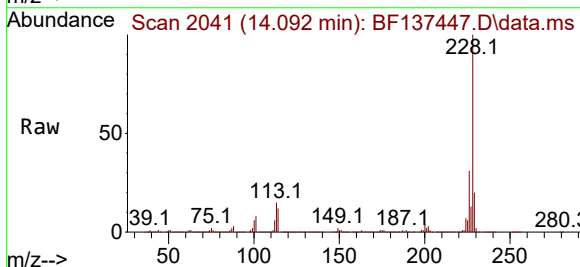
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF022924

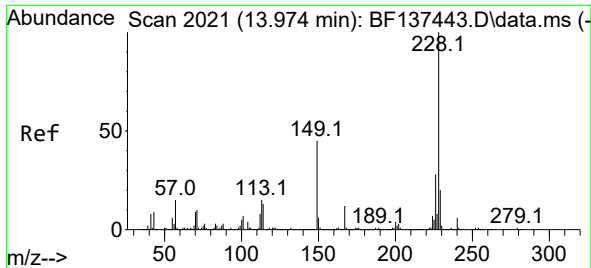
Tgt Ion:252 Resp: 324309
 Ion Ratio Lower Upper
 252 100
 254 64.6 51.4 77.2
 126 11.6 10.4 15.6



#83
 Chrysene
 Concen: 40.308 ng
 RT: 14.092 min Scan# 2041
 Delta R.T. 0.082 min
 Lab File: BF137447.D
 Acq: 29 Feb 2024 17:44

Tgt Ion:228 Resp: 1176740
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.7 37.1
 229 19.9 15.9 23.9

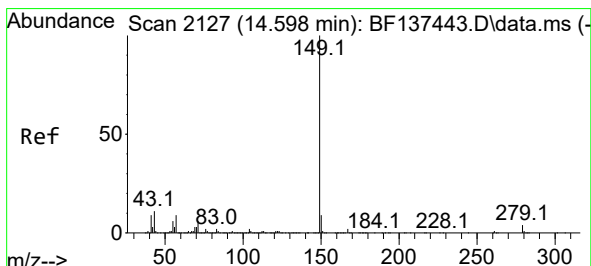
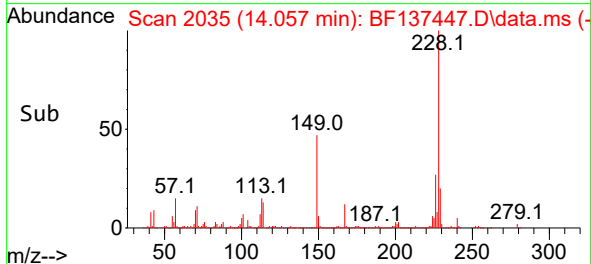
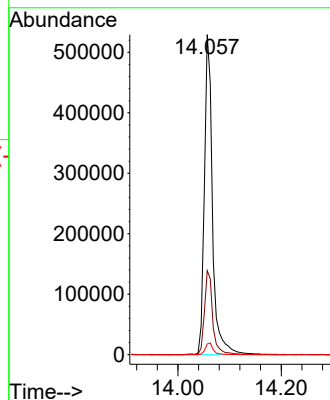
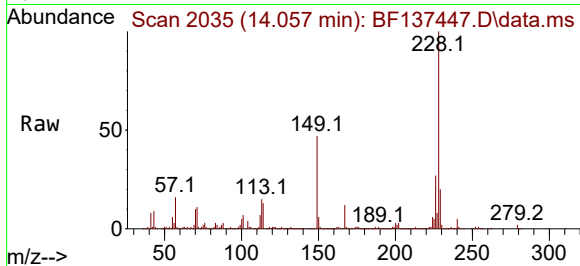




#84
Bis(2-ethylhexyl)phthalate
Concen: 44.058 ng
RT: 14.057 min Scan# 2021
Delta R.T. 0.082 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

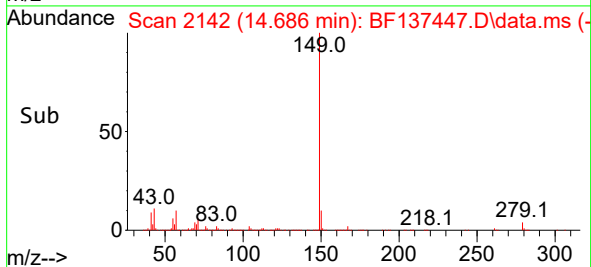
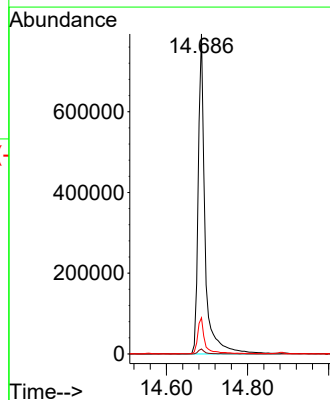
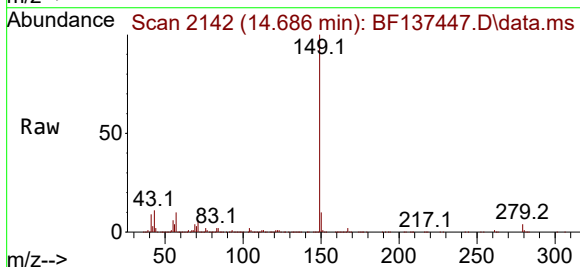
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

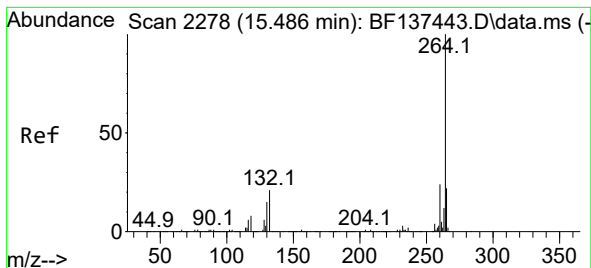
Tgt Ion:149 Resp: 578314
Ion Ratio Lower Upper
149 100
167 26.3 21.3 31.9
279 3.4 2.6 4.0



#85
Di-n-octyl phthalate
Concen: 38.294 ng
RT: 14.686 min Scan# 2142
Delta R.T. 0.088 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:149 Resp: 936291
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.8 9.6 14.4



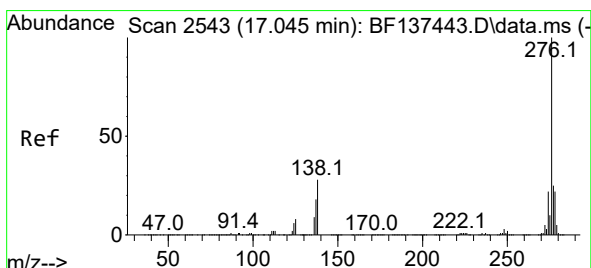
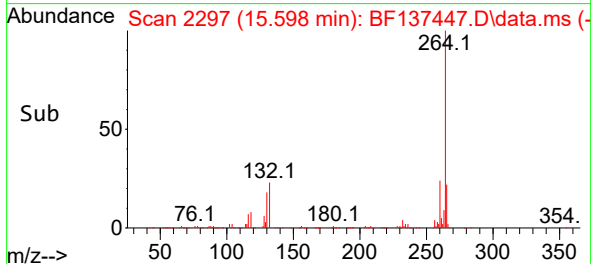
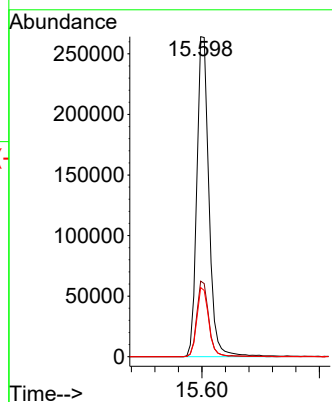
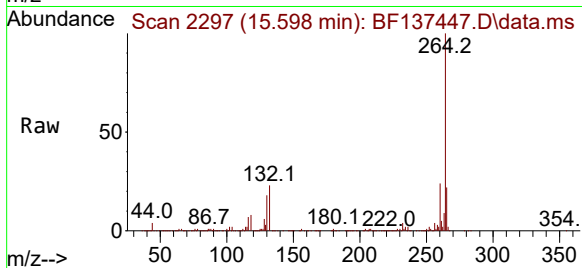


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 21
Delta R.T. 0.112 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Instrument :
BNA_F
ClientSampleId :
ICVBF022924

Tgt Ion:264 Resp: 376888

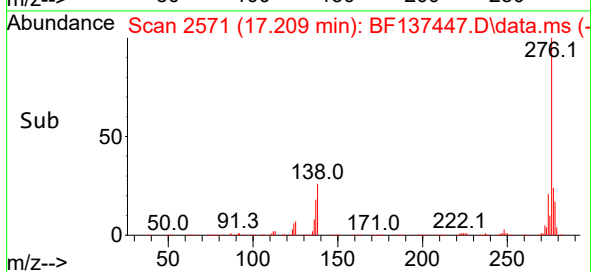
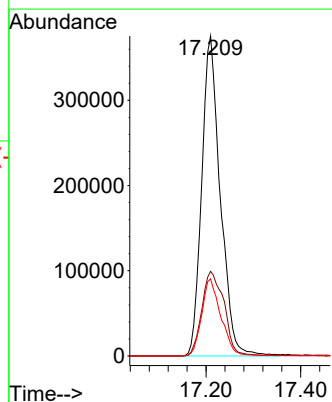
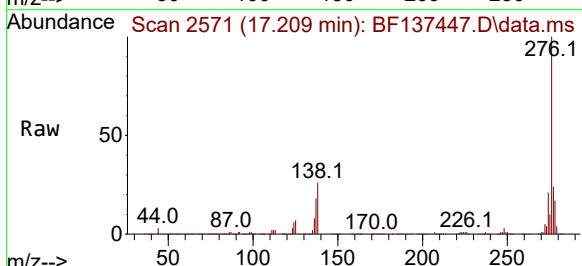
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	21.6	17.4	26.0

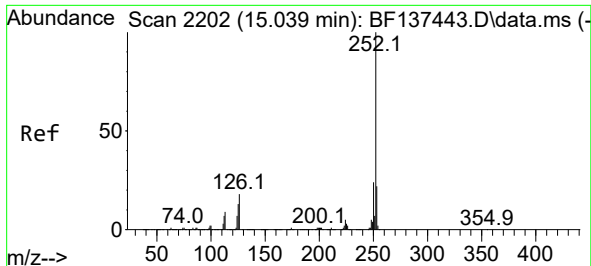


#87
Indeno(1,2,3-cd)pyrene
Concen: 41.289 ng
RT: 17.209 min Scan# 2571
Delta R.T. 0.165 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Tgt Ion:276 Resp: 1024033

Ion	Ratio	Lower	Upper
276	100		
138	31.4	25.8	38.8
277	24.9	20.2	30.2

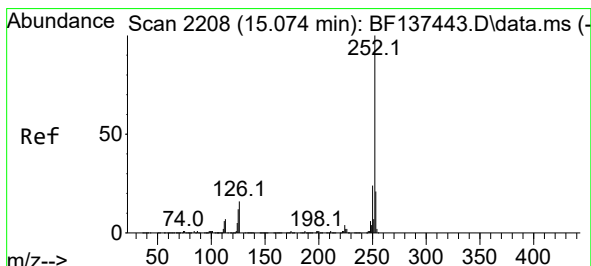
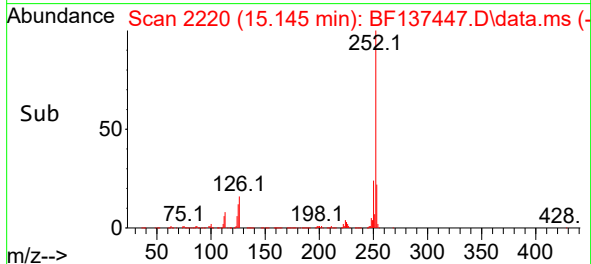
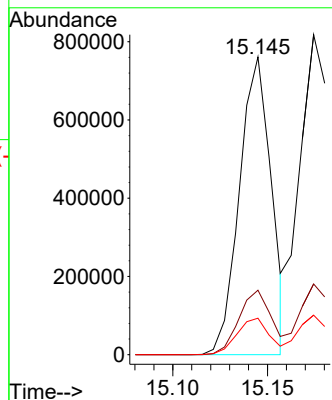
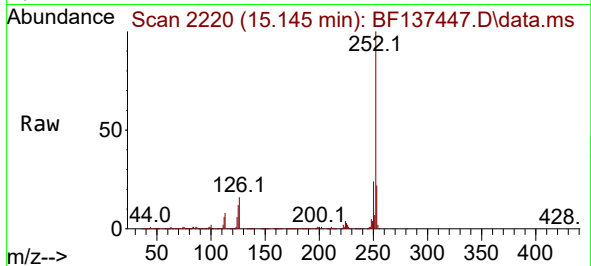




#88
Benzo(b)fluoranthene
Concen: 39.969 ng
RT: 15.145 min Scan# 211
Delta R.T. 0.106 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

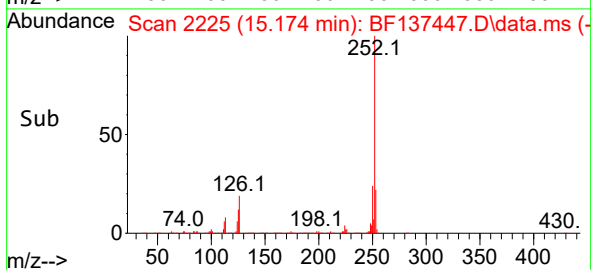
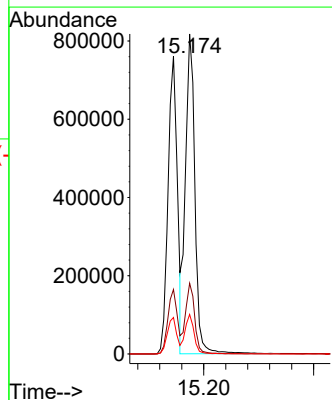
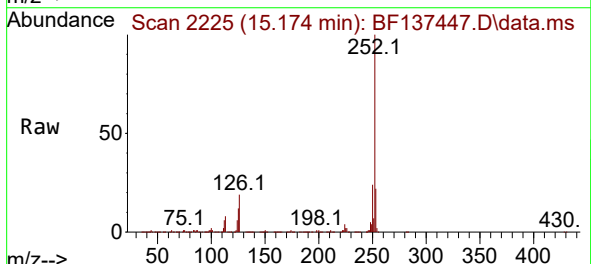
Instrument :
BNA_F
ClientSampleId :
ICVBF022924

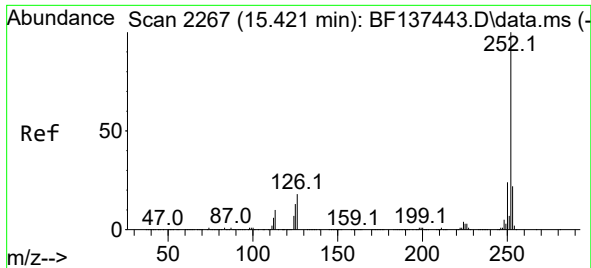
Tgt Ion:252 Resp: 891083
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 12.3 10.1 15.1



#89
Benzo(k)fluoranthene
Concen: 41.030 ng
RT: 15.174 min Scan# 2225
Delta R.T. 0.100 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

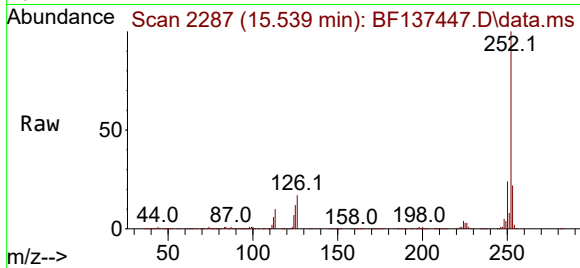
Tgt Ion:252 Resp: 982509
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 12.4 9.6 14.4



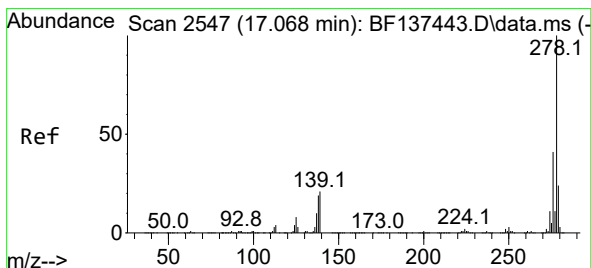
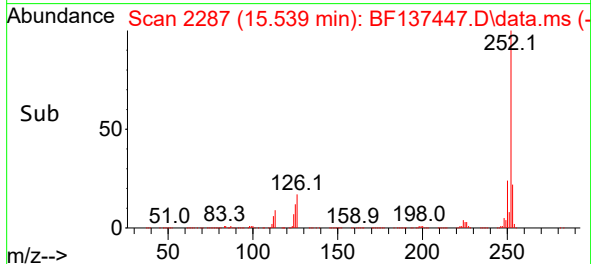
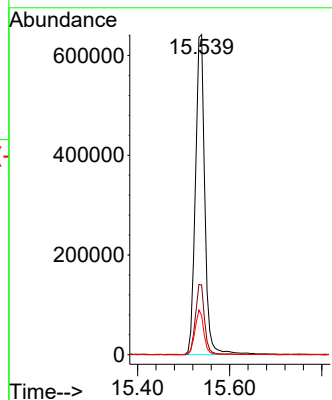


#90
Benzo(a)pyrene
Concen: 41.142 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.118 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Instrument :
BNA_F
ClientSampleId :
ICVBF022924

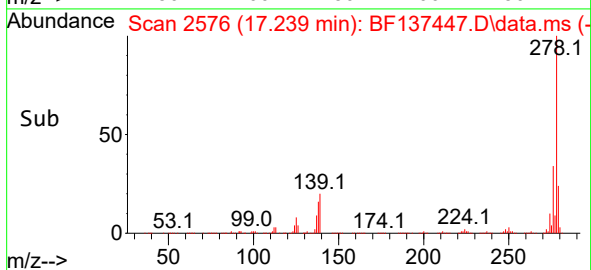
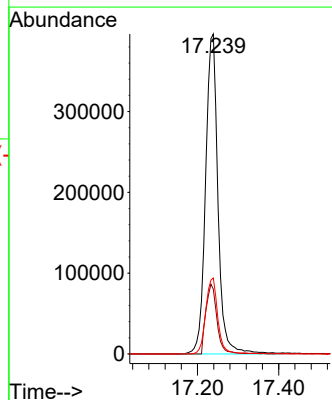
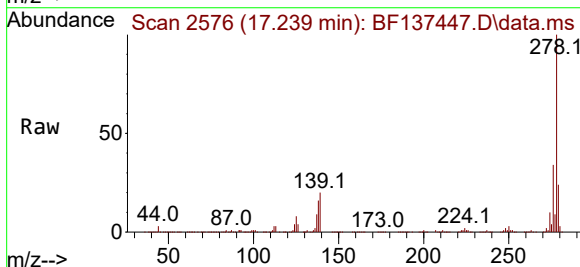


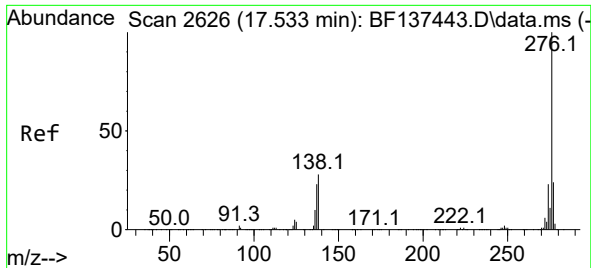
Tgt Ion:252 Resp: 903892
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 12.3 10.4 15.6



#91
Dibenzo(a,h)anthracene
Concen: 41.702 ng
RT: 17.239 min Scan# 2576
Delta R.T. 0.171 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

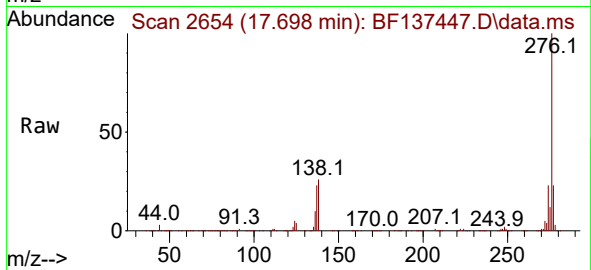
Tgt Ion:278 Resp: 839026
Ion Ratio Lower Upper
278 100
139 20.3 17.0 25.6
279 23.7 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 41.441 ng
RT: 17.698 min Scan# 20
Delta R.T. 0.165 min
Lab File: BF137447.D
Acq: 29 Feb 2024 17:44

Instrument :
BNA_F
ClientSampleId :
ICVBF022924



Tgt Ion:276 Resp: 856280
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.4
138 26.4 22.2 33.2

