

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031324\
 Data File : BF137583.D
 Acq On : 13 Mar 2024 18:29
 Operator : CG\JU
 Sample : P1725-02MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3860MS

Quant Time: Mar 14 03:59:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 12 02:00:03 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	-6.90
21) Naphthalene-d8	8.263	136	825045	20.000	ng	0.09
39) Acenaphthene-d10	10.022	164	455134	20.000	ng	0.09
64) Phenanthrene-d10	11.516	188	729263	20.000	ng	0.08
76) Chrysene-d12	14.186	240	421690	20.000	ng	0.09
86) Perylene-d12	15.792	264	474304	20.000	ng	0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.704	112	1421953	0.000	ng	0.14
7) Phenol-d6	6.657	99	1843049	0.000	ng	0.10
23) Nitrobenzene-d5	7.557	82	1302296	73.341	ng	0.09
42) 2,4,6-Tribromophenol	10.822	330	507532	126.983	ng	0.09
45) 2-Fluorobiphenyl	9.339	172	2131685	73.316	ng	0.08
79) Terphenyl-d14	13.122	244	2207805	71.995	ng	0.08
Target Compounds						
						Qvalue
22) Acetophenone	7.404	105	770294	38.588	ng	98
24) Nitrobenzene	7.575	77	663047	37.172	ng	97
25) Isophorone	7.810	82	1266611	37.546	ng	98
26) 2-Nitrophenol	7.887	139	291997	41.233	ng	92
27) 2,4-Dimethylphenol	7.922	122	416357	31.465	ng	98
28) bis(2-Chloroethoxy)met...	8.016	93	764216	38.610	ng	100
29) 2,4-Dichlorophenol	8.122	162	489210	40.283	ng	98
30) 1,2,4-Trichlorobenzene	8.204	180	501819	39.266	ng	100
31) Naphthalene	8.287	128	1677134	37.887	ng	99
32) Benzoic acid	8.028	122	73931	14.727	ng	95
33) 4-Chloroaniline	8.339	127	69112	3.982	ng	98
34) Hexachlorobutadiene	8.398	225	285355	37.820	ng	98
35) Caprolactam	8.745	113	59047	14.339	ng	94
36) 4-Chloro-3-methylphenol	8.828	107	554284	40.832	ng	98
37) 2-Methylnaphthalene	8.975	142	1040572	36.874	ng	100
38) 1-Methylnaphthalene	9.075	142	971445	36.554	ng	100
40) 1,2,4,5-Tetrachloroben...	9.139	216	513259	40.394	ng	100
41) Hexachlorocyclopentadiene	9.122	237	343146	67.600	ng	99
43) 2,4,6-Trichlorophenol	9.257	196	353597	42.734	ng	98
44) 2,4,5-Trichlorophenol	9.304	196	371892	39.017	ng	97
46) 1,1'-Biphenyl	9.439	154	1321415	39.668	ng	99
47) 2-Chloronaphthalene	9.463	162	1038514	40.890	ng	99
48) 2-Nitroaniline	9.569	65	383147	44.385	ng	98
49) Acenaphthylene	9.881	152	1624882	39.978	ng	100
50) Dimethylphthalate	9.751	163	1344984	42.452	ng	99
51) 2,6-Dinitrotoluene	9.816	165	288719	43.569	ng	# 81
52) Acenaphthene	10.057	154	929406	38.302	ng	99
53) 3-Nitroaniline	9.981	138	150694	21.499	ng	93
54) 2,4-Dinitrophenol	10.092	184	98563	35.584	ng	92
55) Dibenzofuran	10.228	168	1441939	39.016	ng	100
56) 4-Nitrophenol	10.157	139	353806	71.460	ng	99
57) 2,4-Dinitrotoluene	10.222	165	354572	43.551	ng	94
58) Fluorene	10.575	166	1082628	38.144	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.351	232	319327	41.778	ng	95
60) Diethylphthalate	10.457	149	1259534	42.099	ng	99
61) 4-Chlorophenyl-phenyle...	10.569	204	538988	38.748	ng	93

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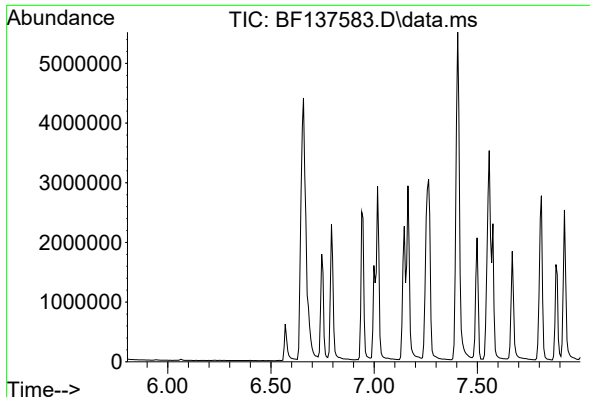
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 4-Nitroaniline	10.604	138	241506	40.088	ng	94
63) Azobenzene	10.728	77	1371208	39.802	ng	99
65) 4,6-Dinitro-2-methylph...	10.628	198	110918	27.289	ng	92
66) n-Nitrosodiphenylamine	10.692	169	1021077	43.481	ng	99
67) 4-Bromophenyl-phenylether	11.057	248	365727	46.044	ng	96
68) Hexachlorobenzene	11.122	284	381418	47.543	ng	93
69) Atrazine	11.228	200	343181	48.072	ng	98
70) Pentachlorophenol	11.322	266	324490	66.908	ng	99
71) Phenanthrene	11.539	178	1642822	41.393	ng	99
72) Anthracene	11.592	178	1697205	41.637	ng	99
73) Carbazole	11.757	167	1469489	42.087	ng	99
74) Di-n-butylphthalate	12.092	149	1884363	45.361	ng	100
75) Fluoranthene	12.739	202	1510173	38.928	ng	99
77) Benzidine	12.869	184	397931	38.560	ng	98
78) Pyrene	12.969	202	1538960	37.193	ng	100
80) Butylbenzylphthalate	13.604	149	612305	57.944	ng	98
81) Benzo(a)anthracene	14.174	228	1274350	43.117	ng	99
82) 3,3'-Dichlorobenzidine	14.139	252	224784	28.559	ng	99
83) Chrysene	14.210	228	1311562	43.906	ng	99
84) Bis(2-ethylhexyl)phtha...	14.174	149	816873	60.819	ng	100
85) Di-n-octyl phthalate	14.821	149	1563529	58.953	ng	97
87) Indeno(1,2,3-cd)pyrene	17.539	276	1210201	38.773	ng	98
88) Benzo(b)fluoranthene	15.339	252	1289809	45.971	ng	99
89) Benzo(k)fluoranthene	15.339	252	1289809	42.800	ng	99
90) Benzo(a)pyrene	15.727	252	1205760	43.610	ng	99
91) Dibenzo(a,h)anthracene	17.574	278	984103	38.867	ng	98
92) Benzo(g,h,i)perylene	18.074	276	887740	34.140	ng	99

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

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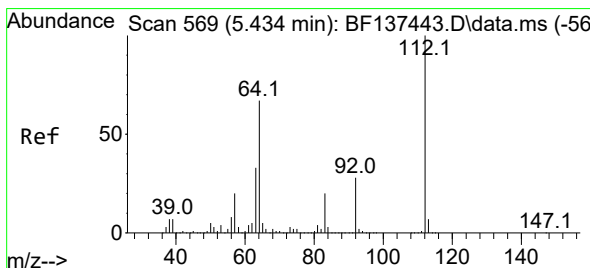
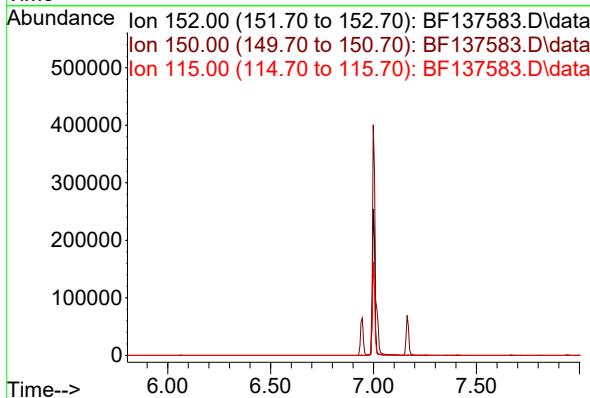




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.90 min
 Lab File: BF137583.D
 Acq: 13 Mar 2024 18:29

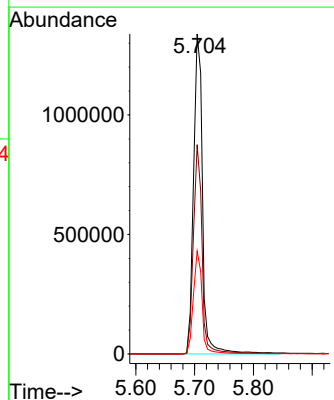
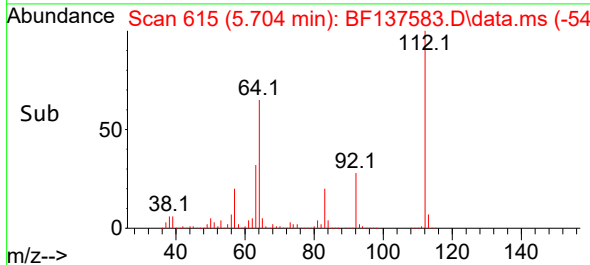
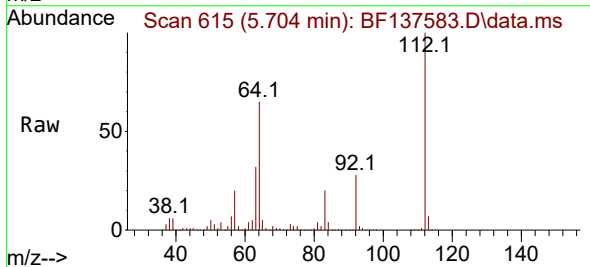
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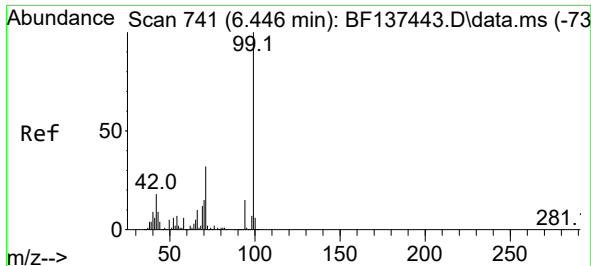
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 157.2
 115 61.0



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.704 min Scan# 615
 Delta R.T. 0.135 min
 Lab File: BF137583.D
 Acq: 13 Mar 2024 18:29

Tgt Ion: 112 Resp: 1421953
 Ion Ratio Lower Upper
 112 100
 64 65.4 53.4 80.2
 63 32.2 26.2 39.2

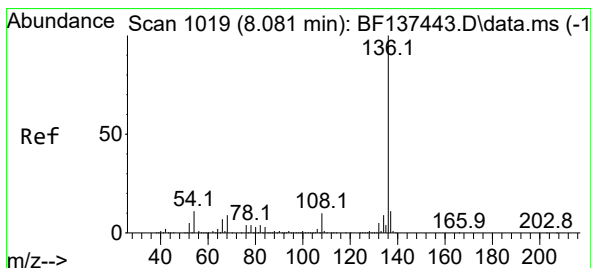
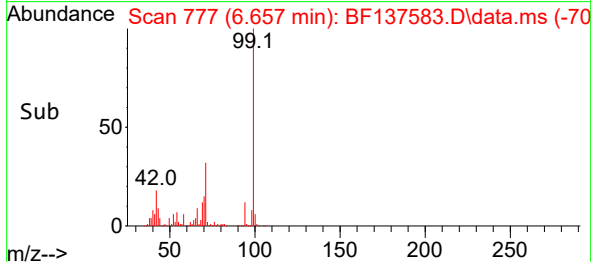
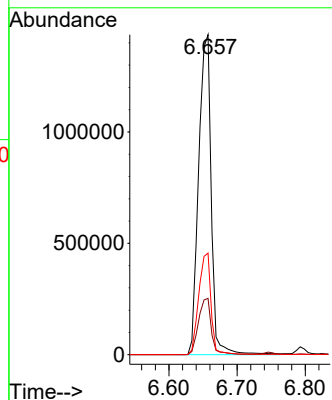
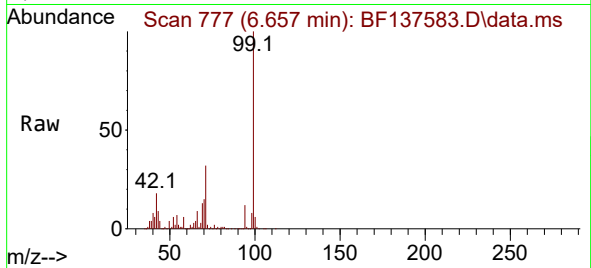




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.657 min Scan# 71
Delta R.T. 0.100 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

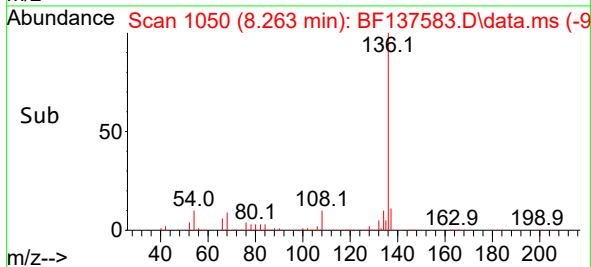
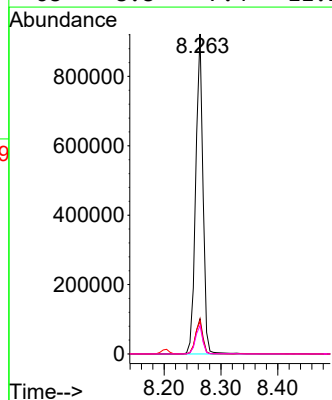
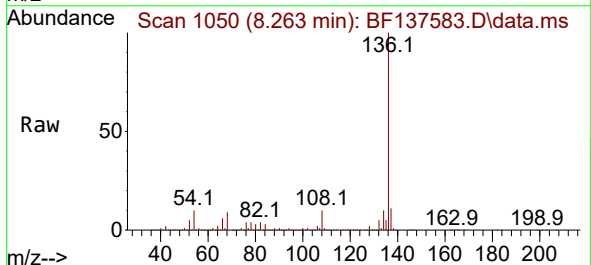
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ClientSampleId :
RT-3860MS

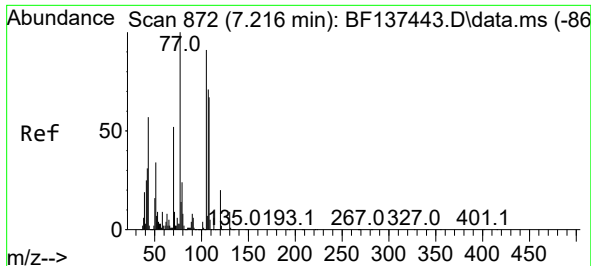
Tgt Ion: 99 Resp: 1843049
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 31.8 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 1050
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion: 136 Resp: 825045
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 10.2 8.5 12.7
68 8.8 7.4 11.2





#22

Acetophenone

Concen: 38.588 ng

RT: 7.404 min Scan# 90

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

Tgt Ion:105 Resp: 770294

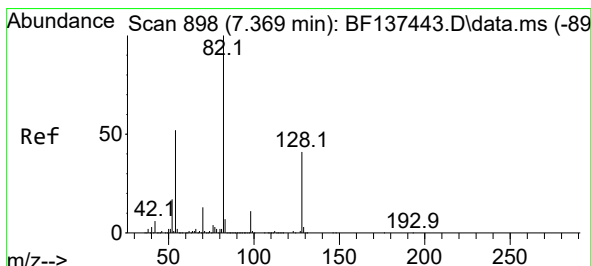
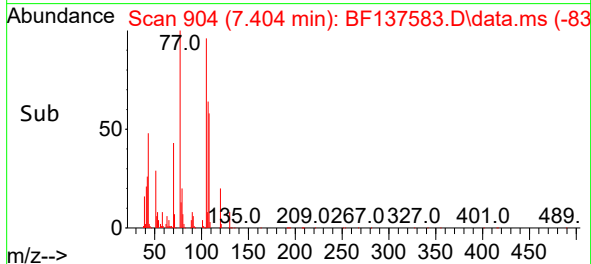
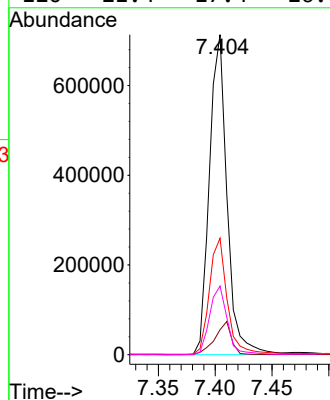
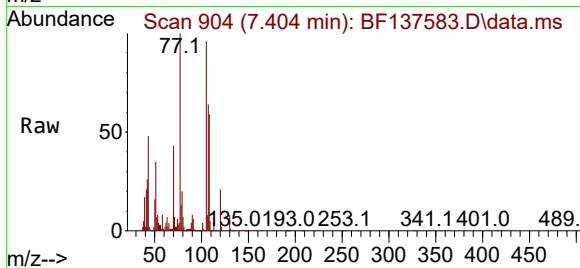
Ion Ratio Lower Upper

105 100

71 7.8 7.7 11.5

51 36.4 30.4 45.6

120 21.4 17.4 26.0



#23

Nitrobenzene-d5

Concen: 73.341 ng

RT: 7.557 min Scan# 930

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

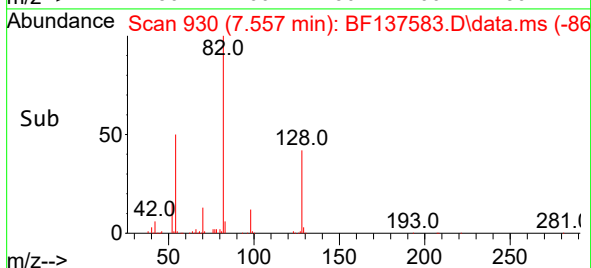
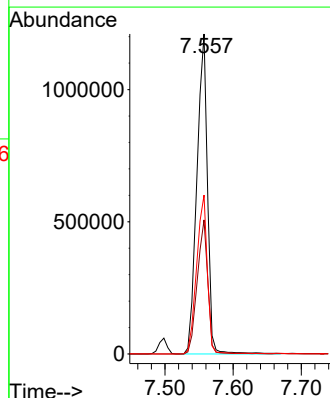
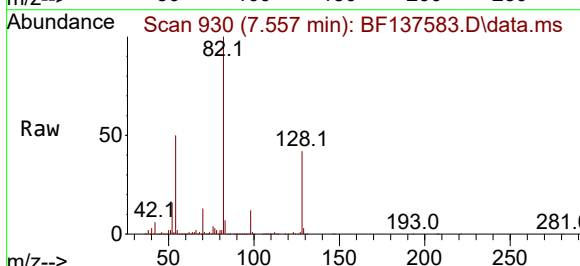
Tgt Ion: 82 Resp: 1302296

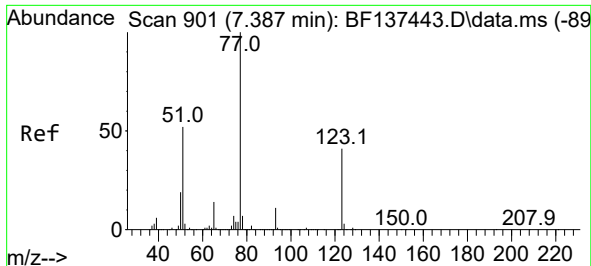
Ion Ratio Lower Upper

82 100

128 41.9 32.5 48.7

54 49.7 41.5 62.3

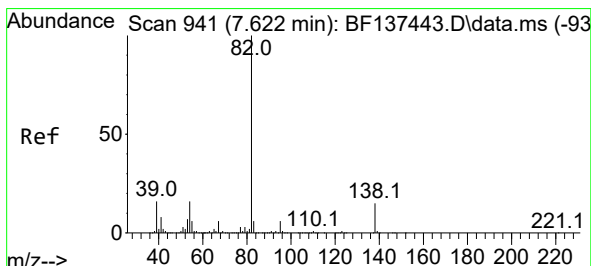
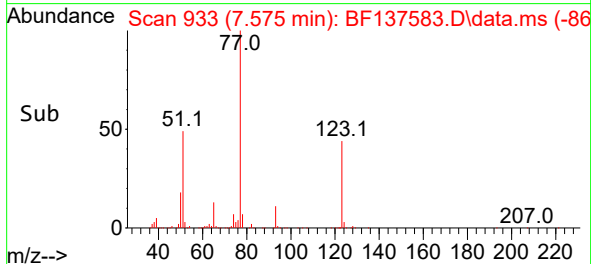
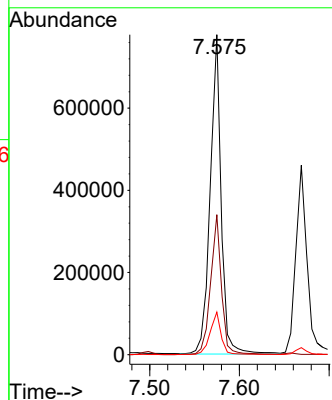
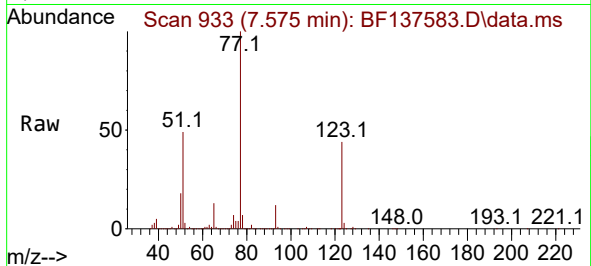




#24
Nitrobenzene
Concen: 37.172 ng
RT: 7.575 min Scan# 911
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

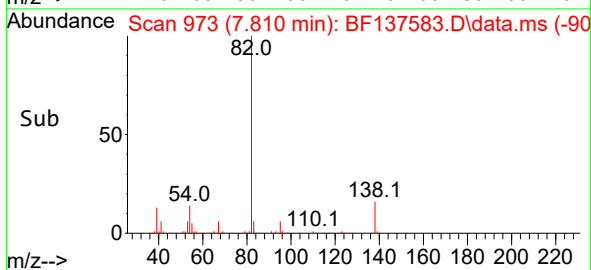
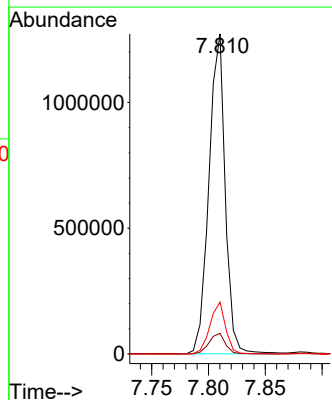
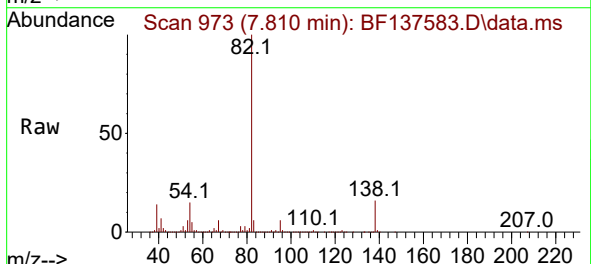
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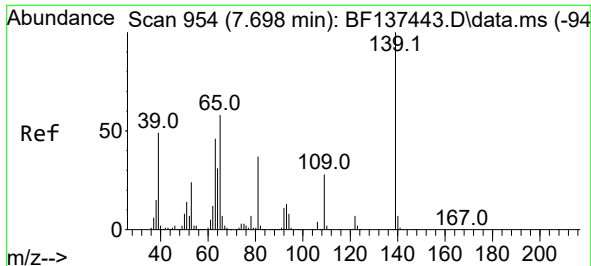
Tgt Ion: 77 Resp: 663047
Ion Ratio Lower Upper
77 100
123 43.8 33.0 49.6
65 13.3 10.9 16.3



#25
Isophorone
Concen: 37.546 ng
RT: 7.810 min Scan# 973
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion: 82 Resp: 1266611
Ion Ratio Lower Upper
82 100
95 6.4 5.1 7.7
138 16.2 11.8 17.8

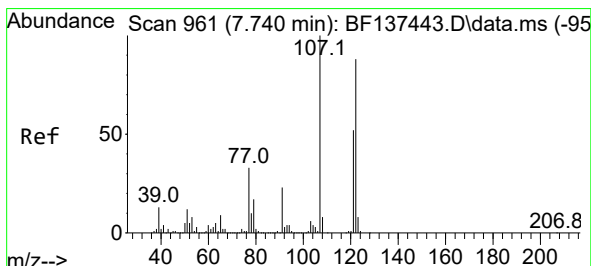
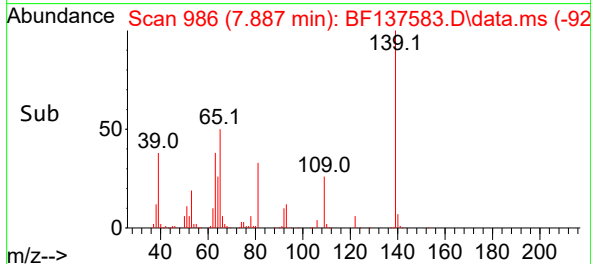
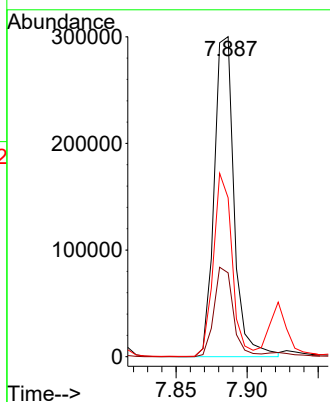
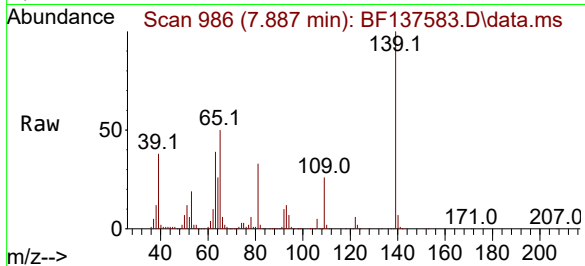




#26
2-Nitrophenol
Concen: 41.233 ng
RT: 7.887 min Scan# 91
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

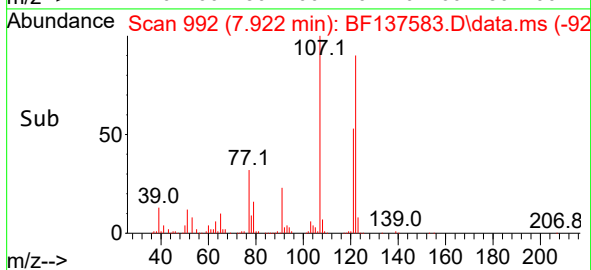
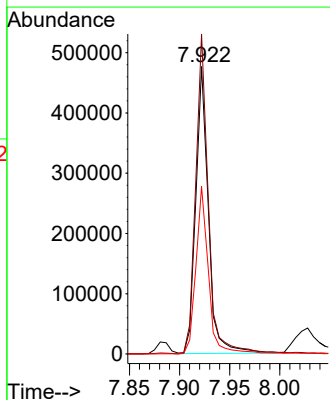
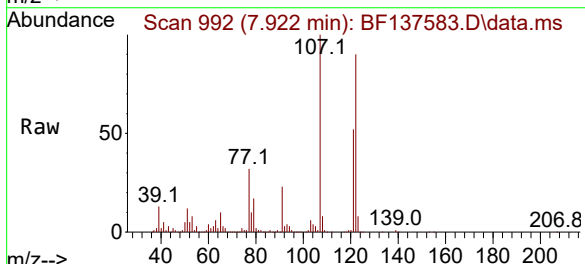
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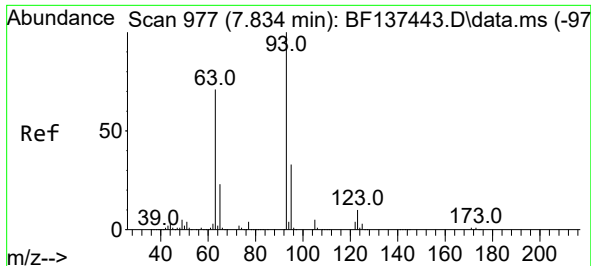
Tgt Ion:139 Resp: 291997
Ion Ratio Lower Upper
139 100
109 26.2 22.2 33.4
65 49.7 46.2 69.2



#27
2,4-Dimethylphenol
Concen: 31.465 ng
RT: 7.922 min Scan# 992
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:122 Resp: 416357
Ion Ratio Lower Upper
122 100
107 111.4 90.9 136.3
121 58.3 47.0 70.6

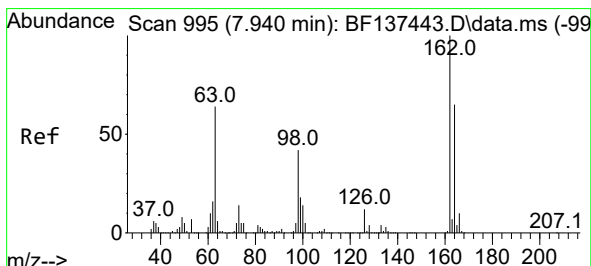
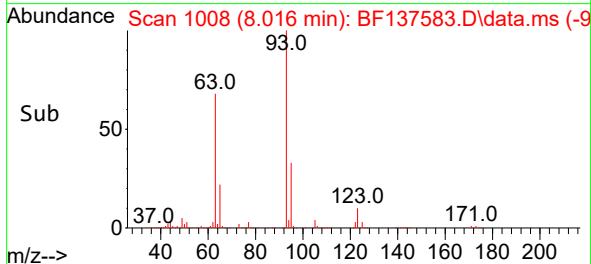
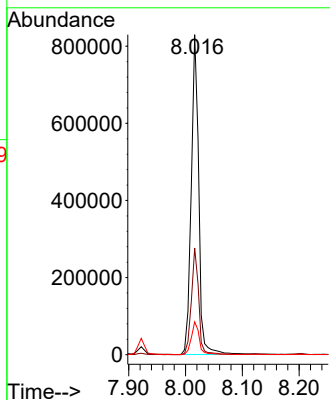
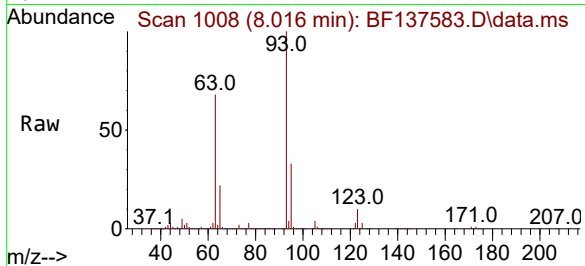




#28
bis(2-Chloroethoxy)methane
Concen: 38.610 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

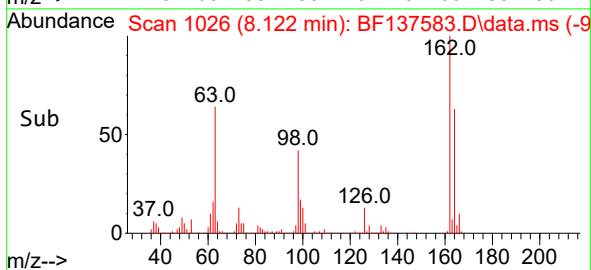
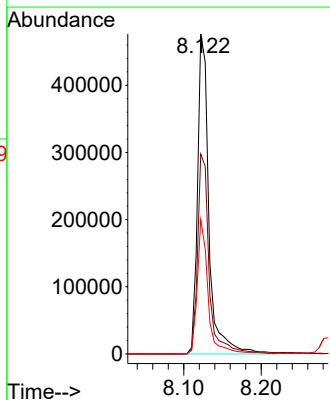
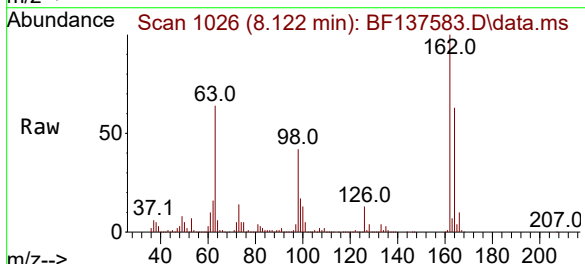
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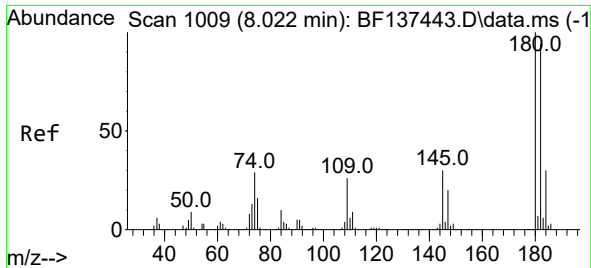
Tgt Ion: 93 Resp: 764216
Ion Ratio Lower Upper
93 100
95 33.3 26.5 39.7
123 10.2 8.0 12.0



#29
2,4-Dichlorophenol
Concen: 40.283 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion: 162 Resp: 489210
Ion Ratio Lower Upper
162 100
164 62.5 44.7 84.7
98 42.0 22.0 62.0

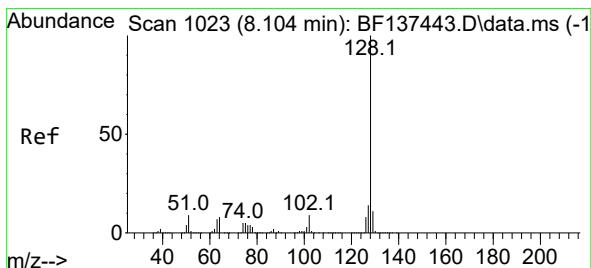
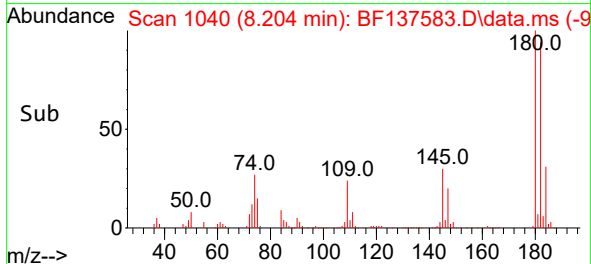
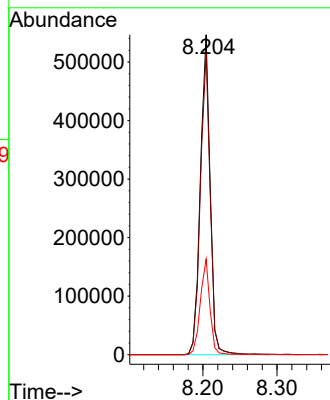
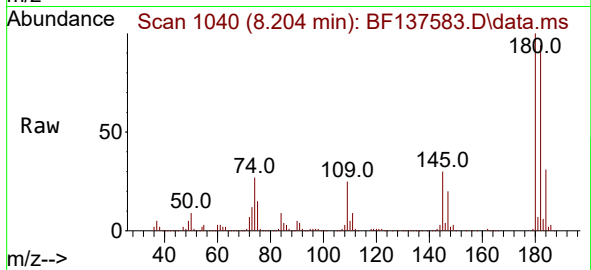




#30
1,2,4-Trichlorobenzene
Concen: 39.266 ng
RT: 8.204 min Scan# 1040
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

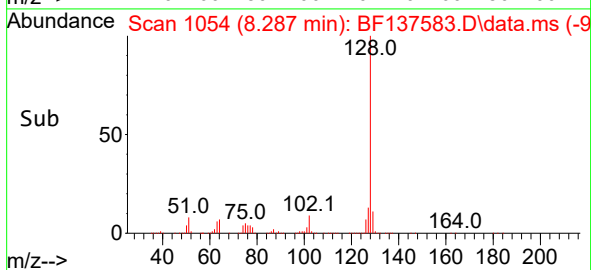
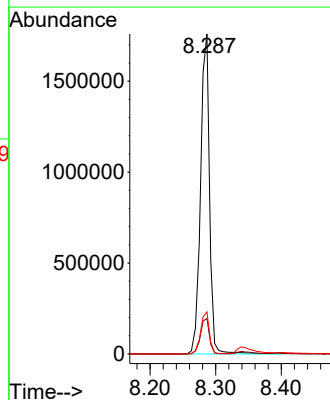
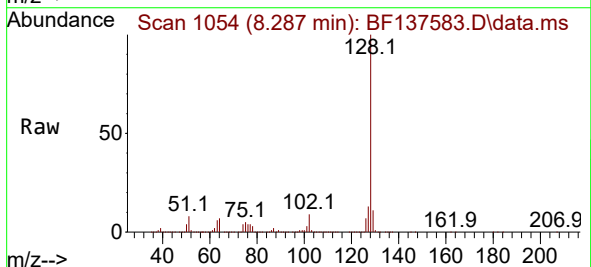
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

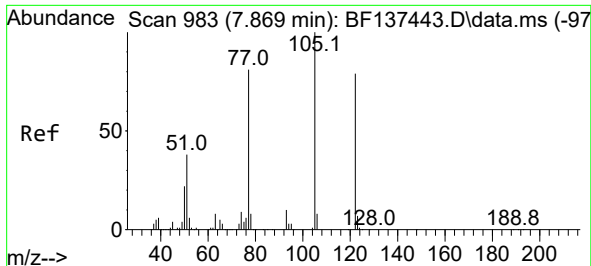
Tgt Ion:180 Resp: 501819
Ion Ratio Lower Upper
180 100
182 94.2 75.0 112.6
145 29.9 23.7 35.5



#31
Naphthalene
Concen: 37.887 ng
RT: 8.287 min Scan# 1054
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:128 Resp: 1677134
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 13.2 10.8 16.2

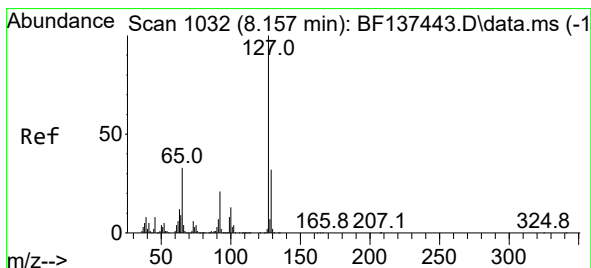
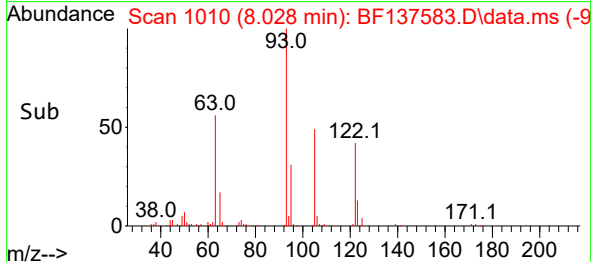
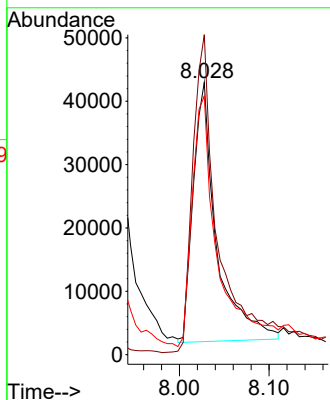
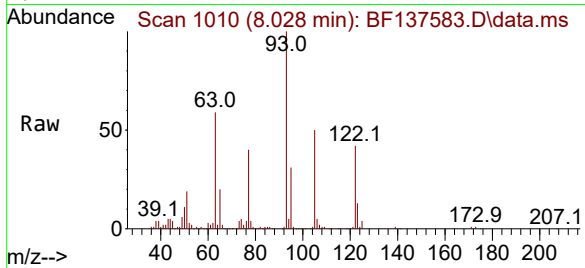




#32
Benzoic acid
Concen: 14.727 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.047 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

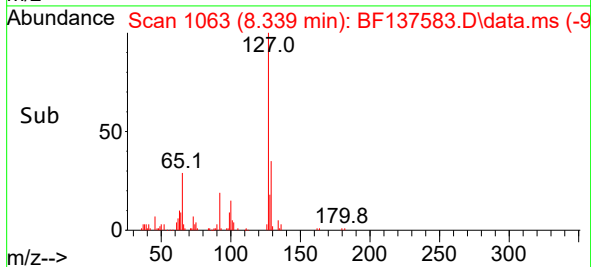
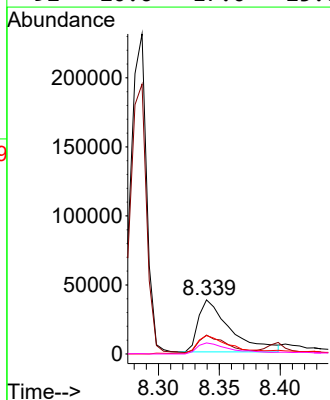
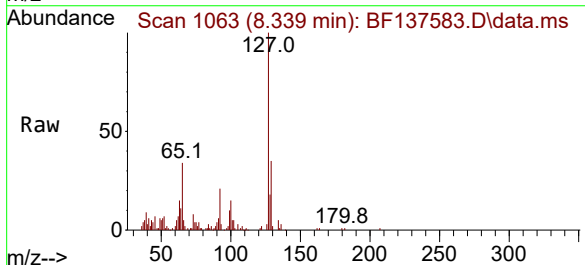
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

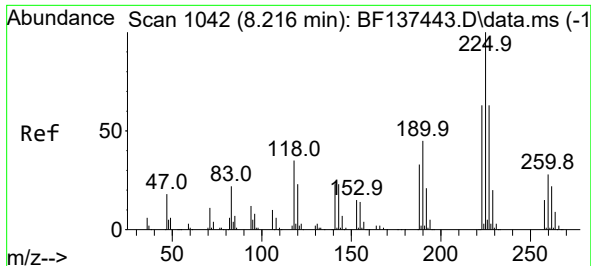
Tgt Ion:122 Resp: 73931
Ion Ratio Lower Upper
122 100
105 117.5 102.4 142.4
77 95.0 81.1 121.1



#33
4-Chloroaniline
Concen: 3.982 ng
RT: 8.339 min Scan# 1063
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:127 Resp: 69112
Ion Ratio Lower Upper
127 100
129 35.1 26.0 39.0
65 34.0 26.8 40.2
92 20.6 17.0 25.6

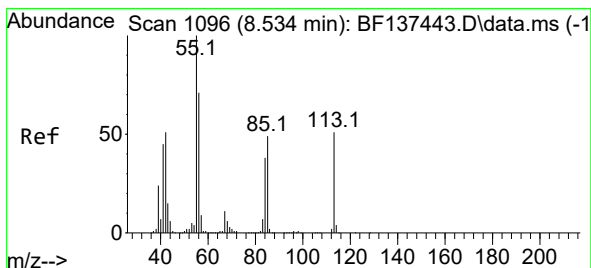
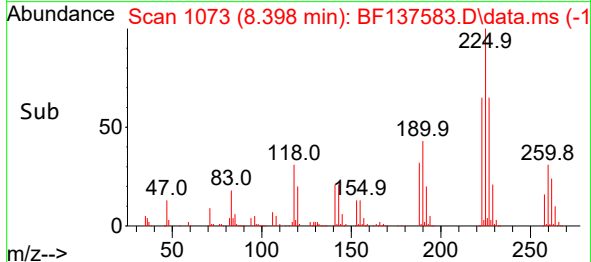
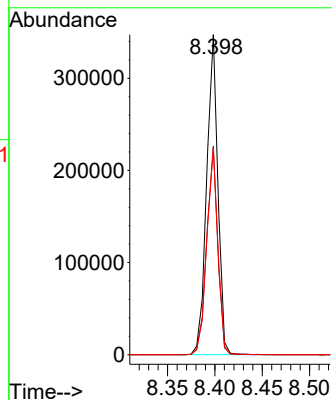
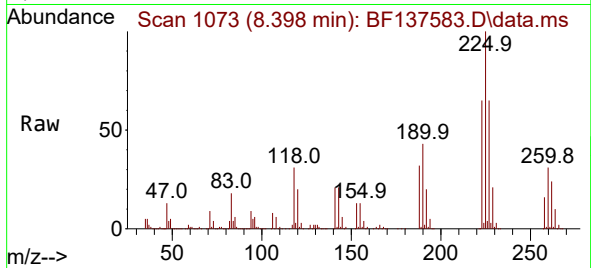




#34
Hexachlorobutadiene
Concen: 37.820 ng
RT: 8.398 min Scan# 1042
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

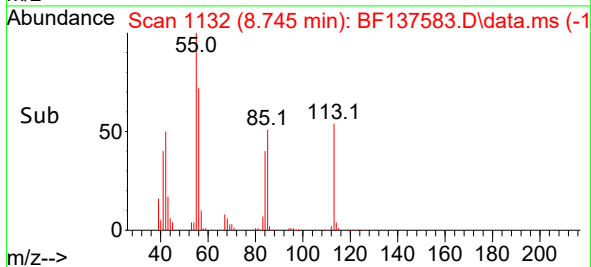
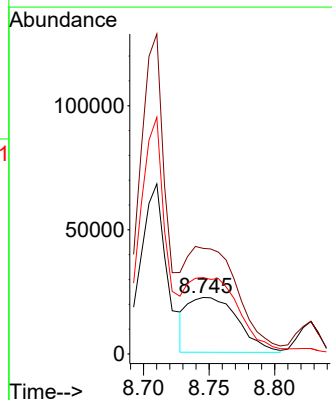
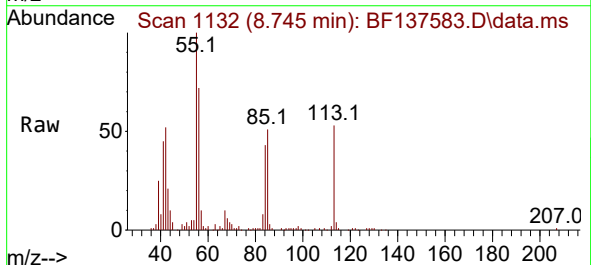
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

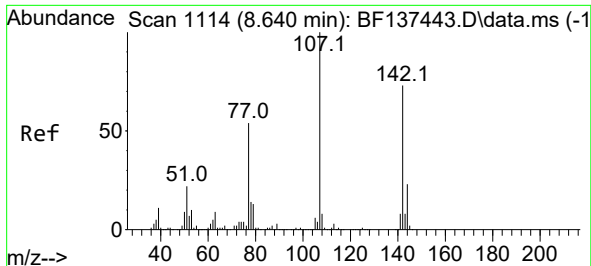
Tgt Ion:225 Resp: 285355
Ion Ratio Lower Upper
225 100
223 65.1 50.7 76.1
227 64.5 50.6 75.8



#35
Caprolactam
Concen: 14.339 ng
RT: 8.745 min Scan# 1132
Delta R.T. 0.106 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:113 Resp: 59047
Ion Ratio Lower Upper
113 100
55 186.9 176.7 216.7
56 135.1 120.6 160.6

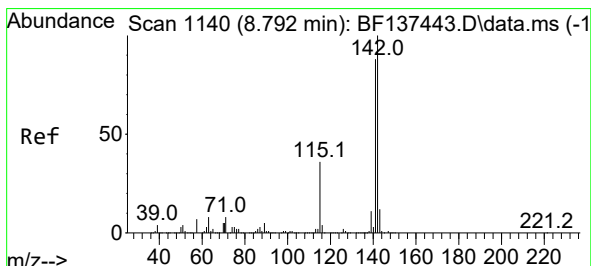
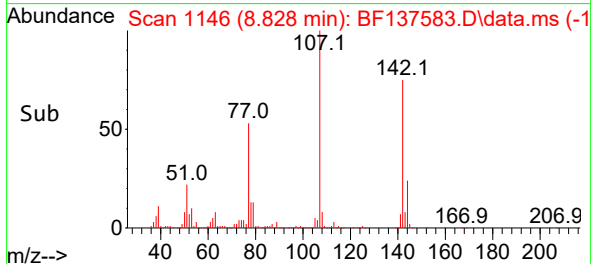
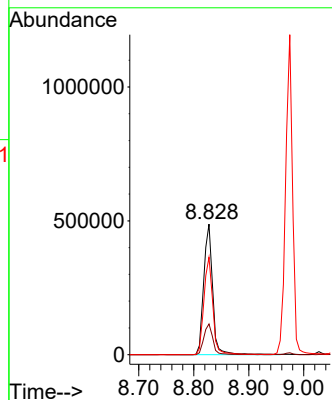
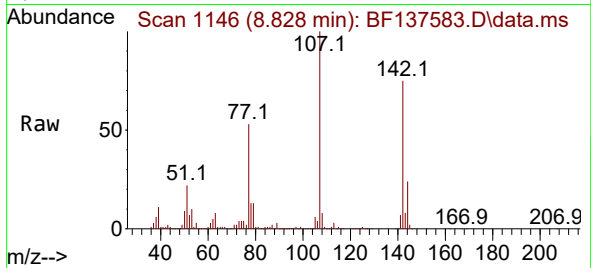




#36
4-Chloro-3-methylphenol
Concen: 40.832 ng
RT: 8.828 min Scan# 1114
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

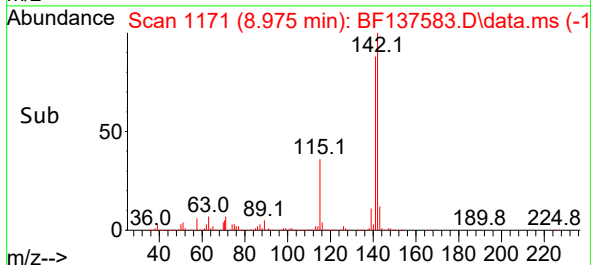
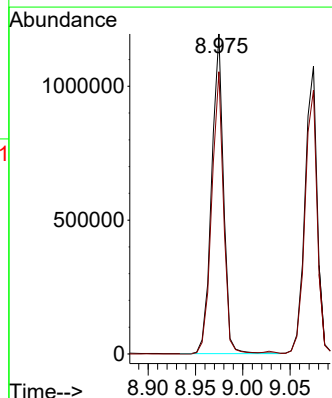
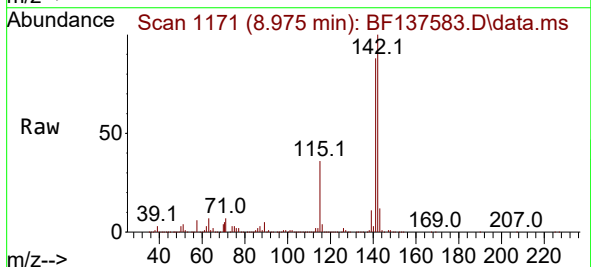
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

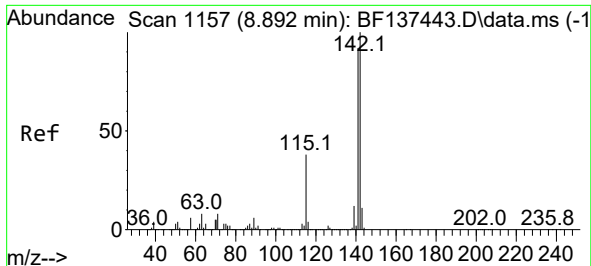
Tgt Ion:107 Resp: 554284
Ion Ratio Lower Upper
107 100
144 23.6 18.7 28.1
142 74.6 58.2 87.2



#37
2-Methylnaphthalene
Concen: 36.874 ng
RT: 8.975 min Scan# 1171
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:142 Resp: 1040572
Ion Ratio Lower Upper
142 100
141 88.2 70.4 105.6





#38

1-Methylnaphthalene

Concen: 36.554 ng

RT: 9.075 min Scan# 1157

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

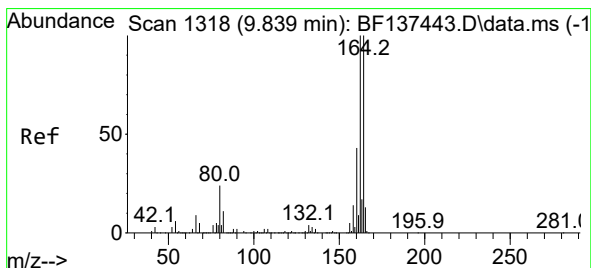
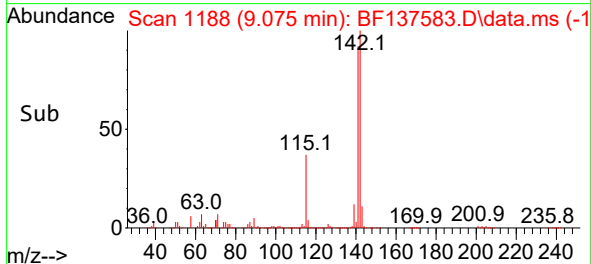
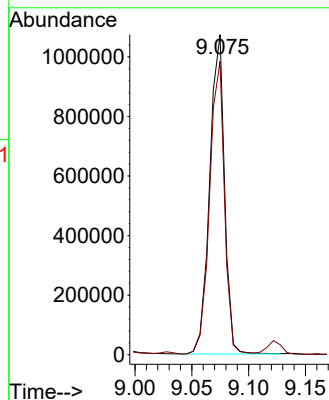
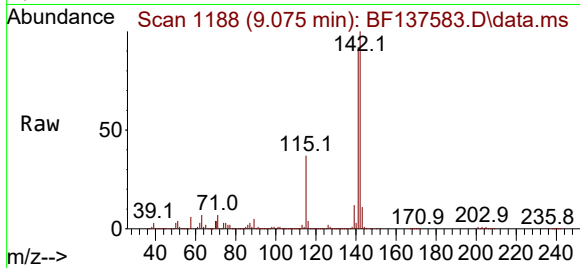
RT-3860MS

Tgt Ion:142 Resp: 971445

Ion Ratio Lower Upper

142 100

141 91.7 73.4 110.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.022 min Scan# 1349

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

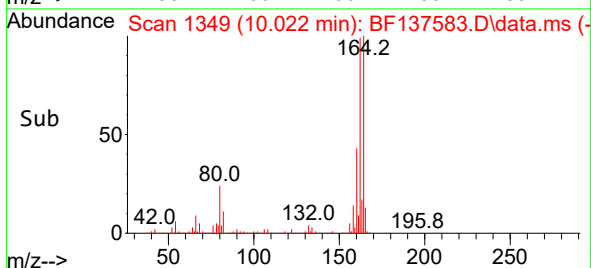
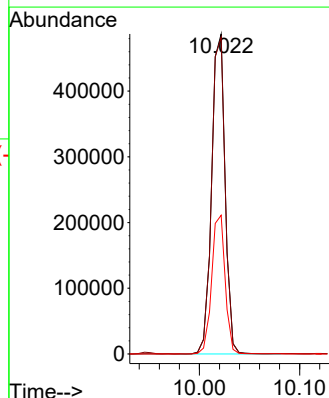
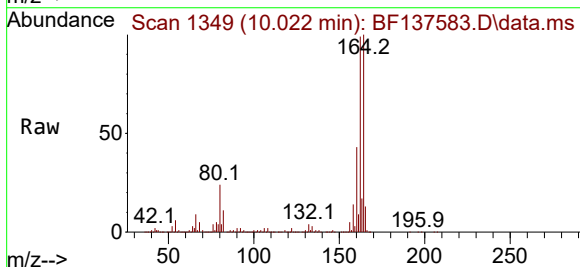
Tgt Ion:164 Resp: 455134

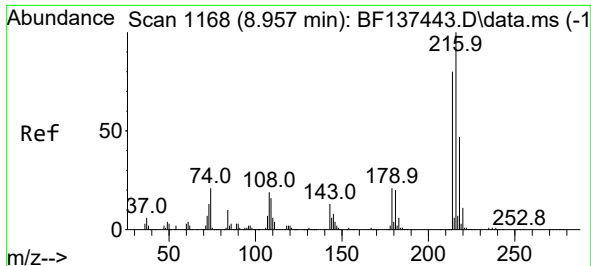
Ion Ratio Lower Upper

164 100

162 99.0 79.8 119.8

160 43.4 34.4 51.6

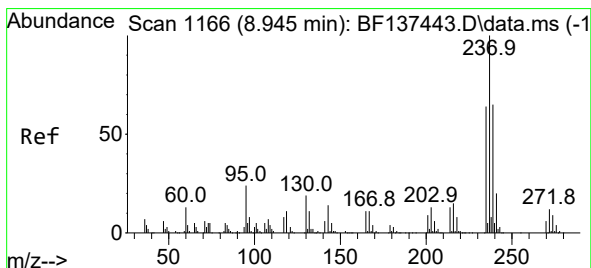
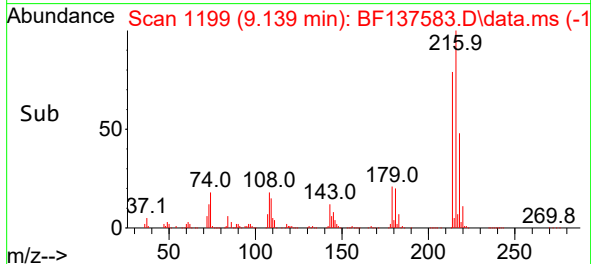
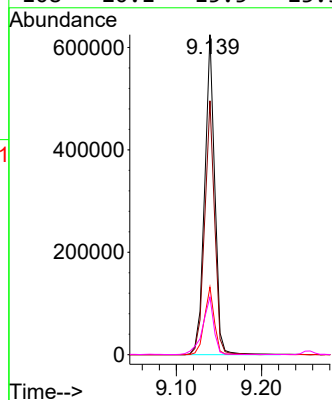
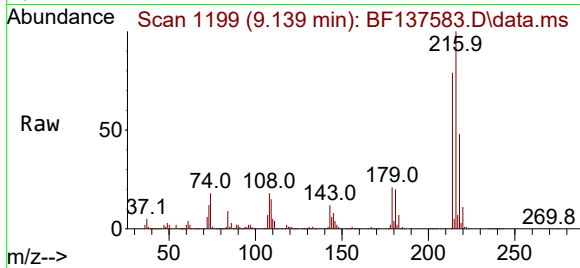




#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.394 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

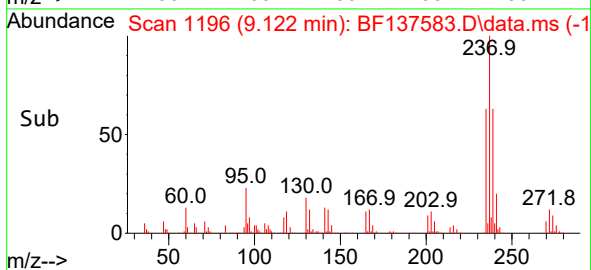
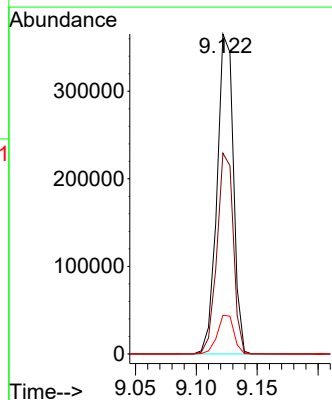
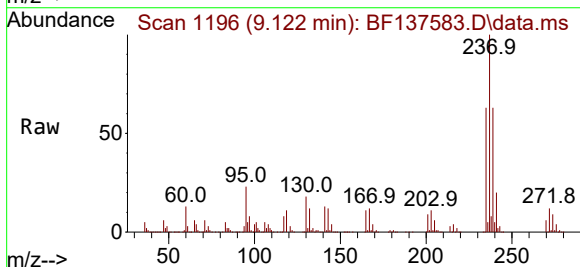
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

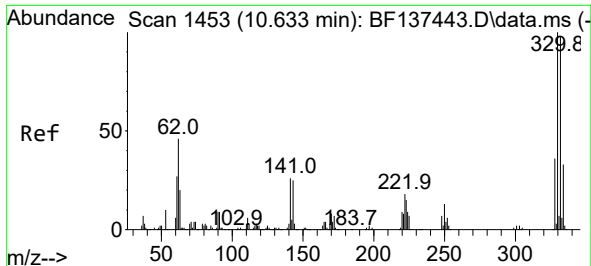
Tgt Ion:	216	Resp:	513259
Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.5	95.3
179	20.9	16.6	25.0
108	20.1	15.5	23.3



#41
Hexachlorocyclopentadiene
Concen: 67.600 ng
RT: 9.122 min Scan# 1196
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:	237	Resp:	343146
Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.6	83.6
272	12.1	0.0	31.9





#42

2,4,6-Tribromophenol

Concen: 126.983 ng

RT: 10.822 min Scan# 1453

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

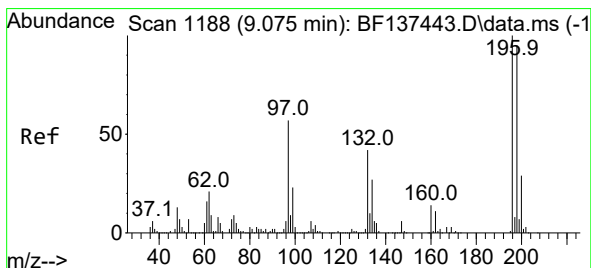
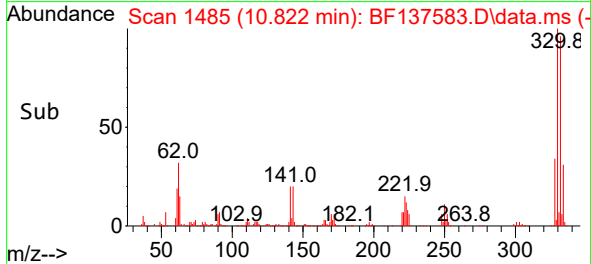
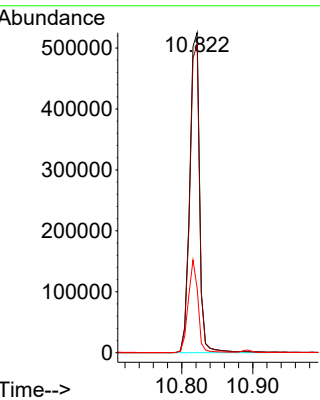
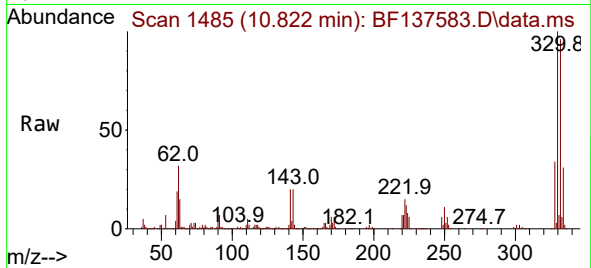
Tgt Ion:330 Resp: 507532

Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

141 28.4 27.3 40.9



#43

2,4,6-Trichlorophenol

Concen: 42.734 ng

RT: 9.257 min Scan# 1219

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

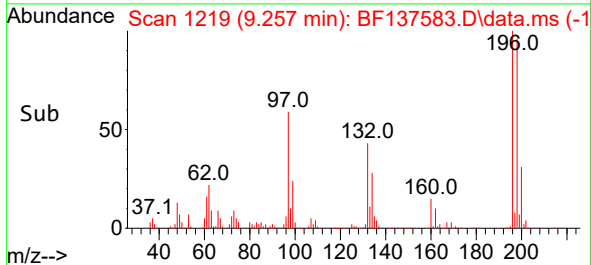
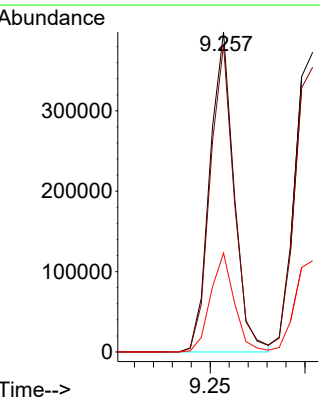
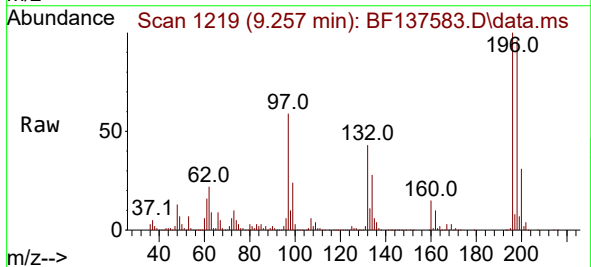
Tgt Ion:196 Resp: 353597

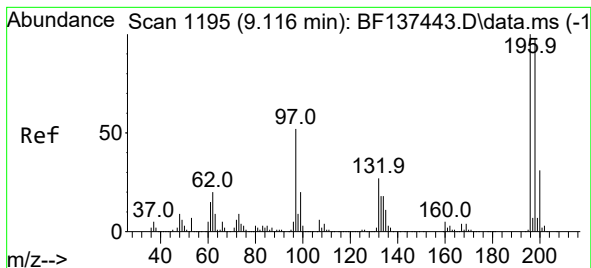
Ion Ratio Lower Upper

196 100

198 96.0 75.8 113.8

200 30.9 23.5 35.3





#44

2,4,5-Trichlorophenol

Concen: 39.017 ng

RT: 9.304 min Scan# 1195

Delta R.T. 0.094 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

Tgt Ion:196 Resp: 371892

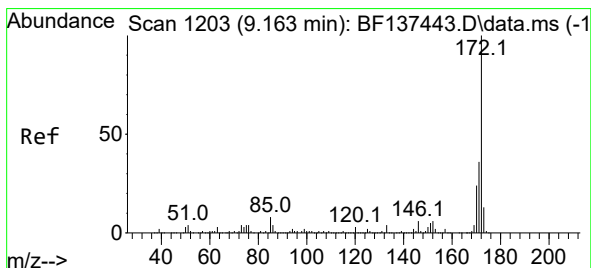
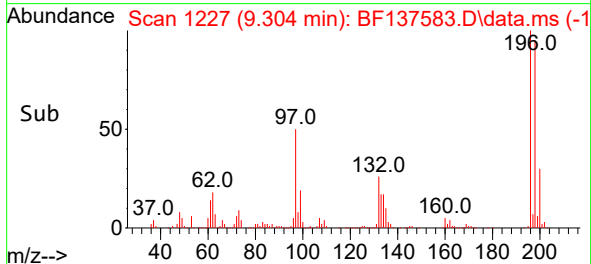
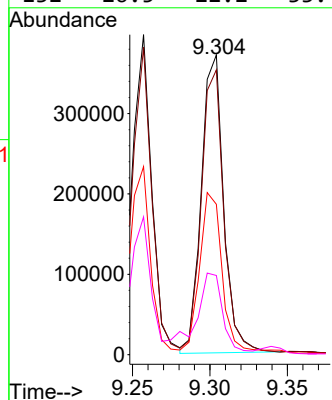
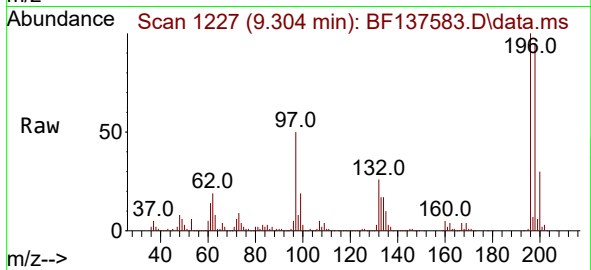
Ion Ratio Lower Upper

196 100

198 95.0 78.6 117.8

97 50.2 41.8 62.8

132 26.5 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 73.316 ng

RT: 9.339 min Scan# 1233

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

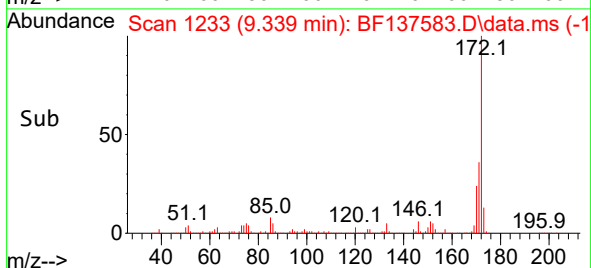
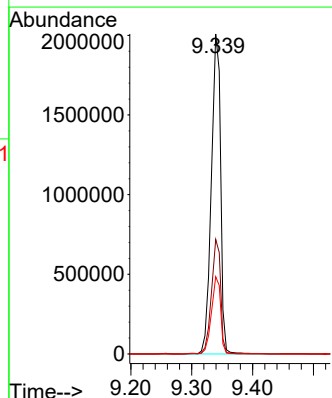
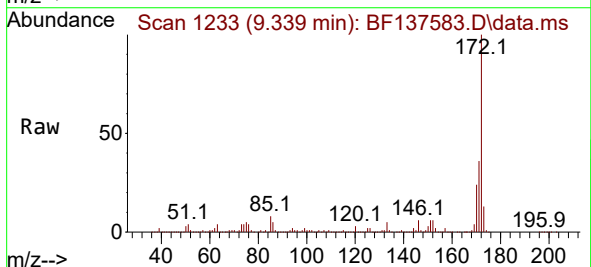
Tgt Ion:172 Resp: 2131685

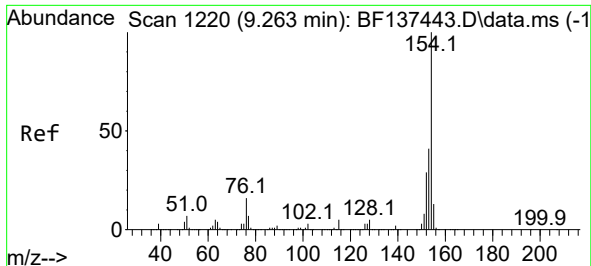
Ion Ratio Lower Upper

172 100

171 35.8 28.5 42.7

170 24.1 19.0 28.6





#46

1,1'-Biphenyl

Concen: 39.668 ng

RT: 9.439 min Scan# 1

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

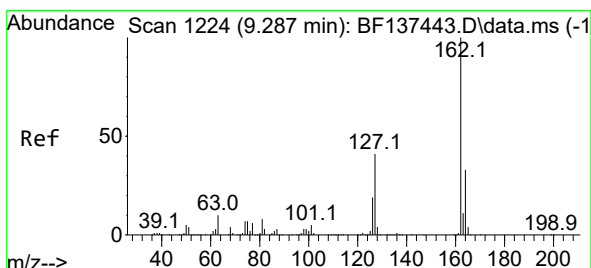
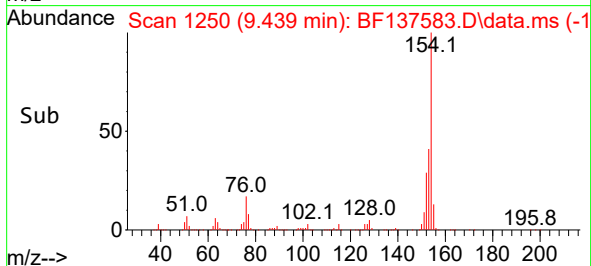
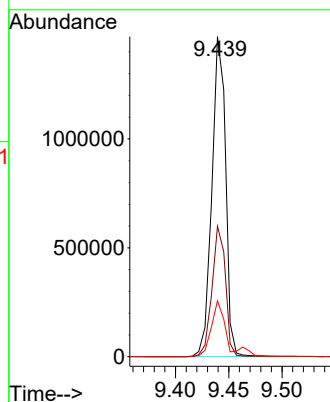
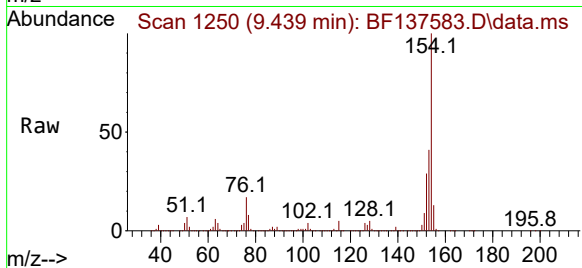
Tgt Ion:154 Resp: 1321415

Ion Ratio Lower Upper

154 100

153 40.8 21.0 61.0

76 17.5 0.0 35.8



#47

2-Chloronaphthalene

Concen: 40.890 ng

RT: 9.463 min Scan# 1254

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

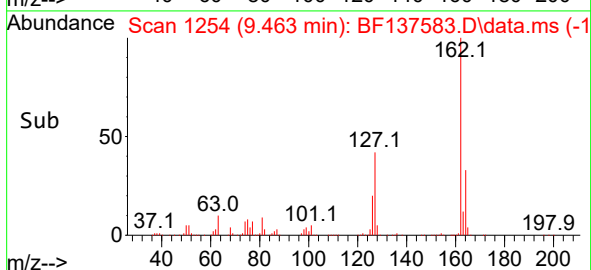
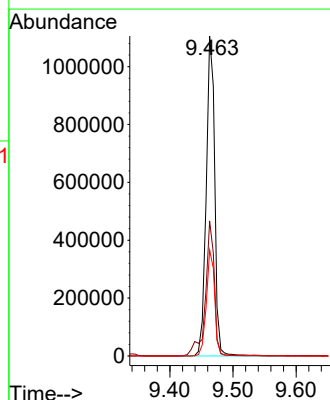
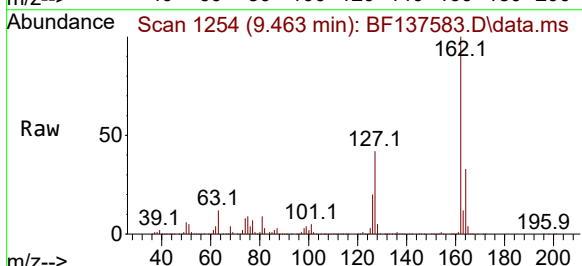
Tgt Ion:162 Resp: 1038514

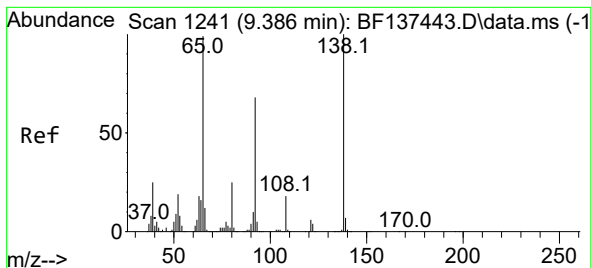
Ion Ratio Lower Upper

162 100

127 42.2 32.6 49.0

164 33.1 26.5 39.7





#48

2-Nitroaniline

Concen: 44.385 ng

RT: 9.569 min Scan# 1

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

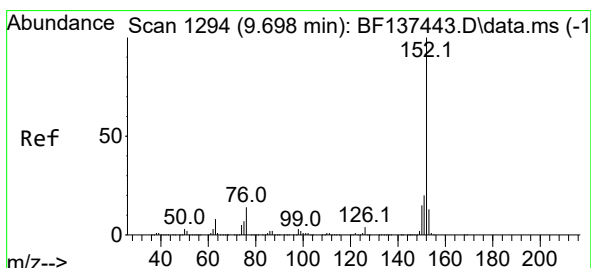
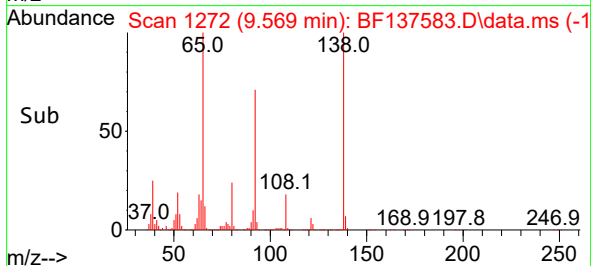
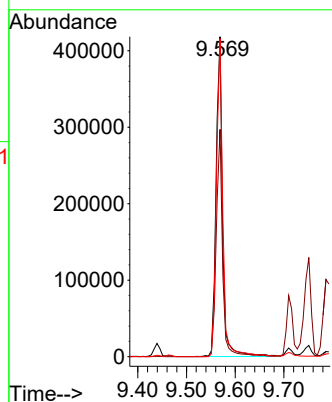
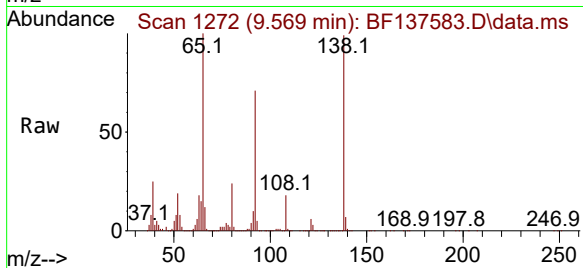
Tgt Ion: 65 Resp: 383147

Ion Ratio Lower Upper

65 100

92 71.1 55.4 83.2

138 99.5 81.0 121.6



#49

Acenaphthylene

Concen: 39.978 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

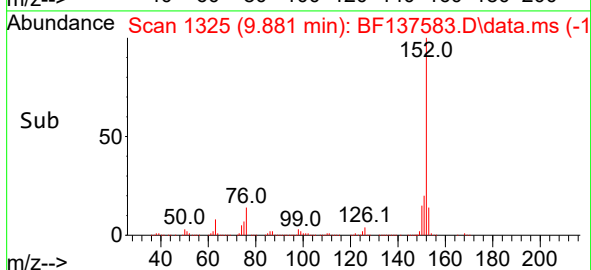
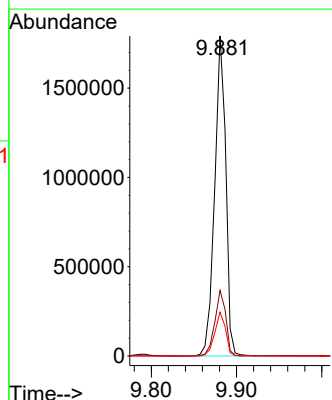
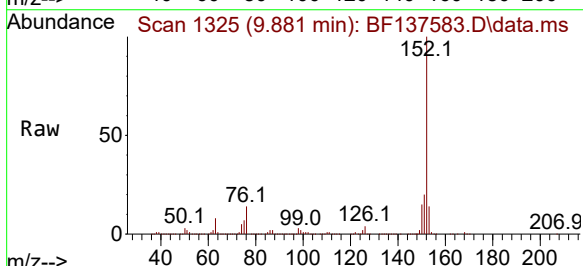
Tgt Ion:152 Resp: 1624882

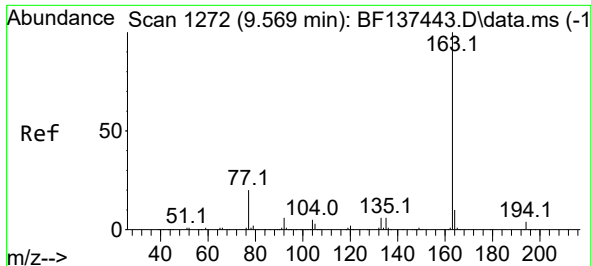
Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

153 13.7 10.8 16.2

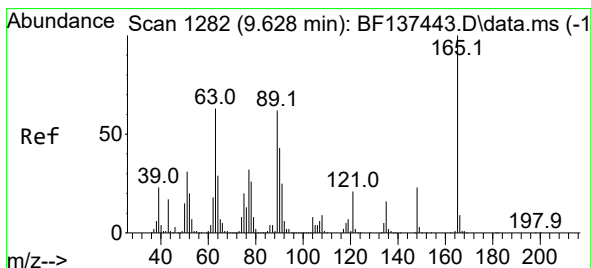
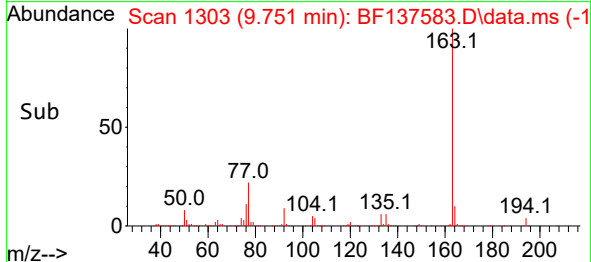
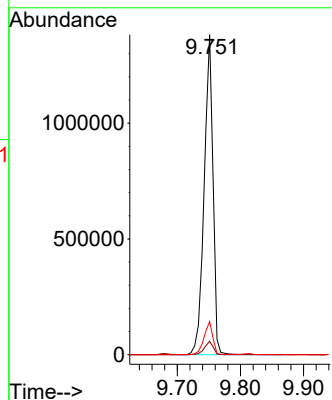
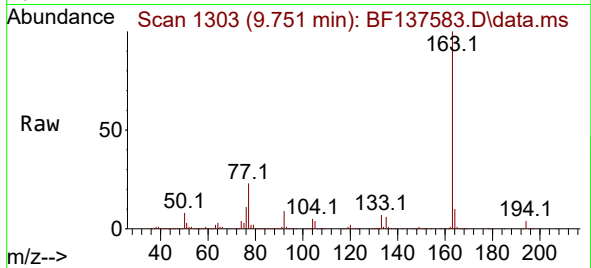




#50
Dimethylphthalate
Concen: 42.452 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

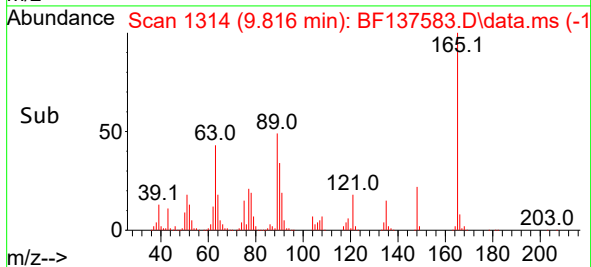
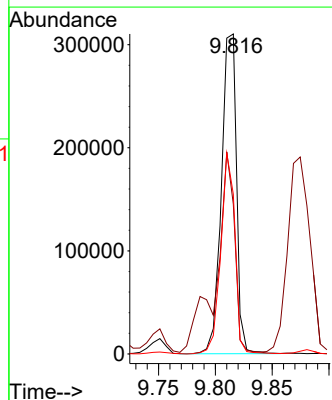
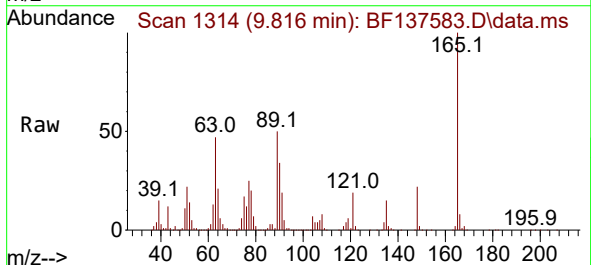
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

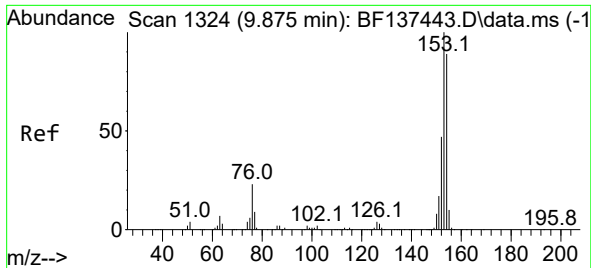
Tgt Ion:163 Resp: 1344984
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.3 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 43.569 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:165 Resp: 288719
Ion Ratio Lower Upper
165 100
63 46.8 50.7 76.1#
89 49.9 50.0 75.0#

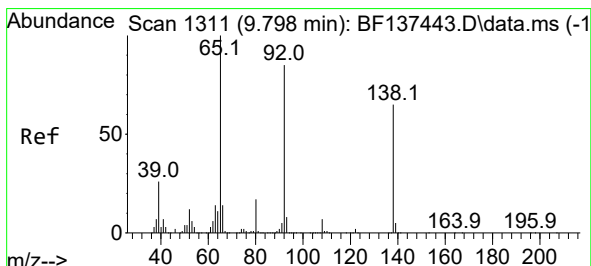
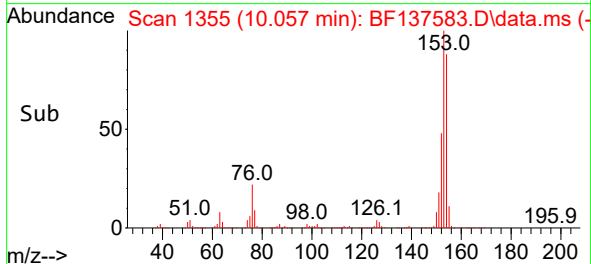
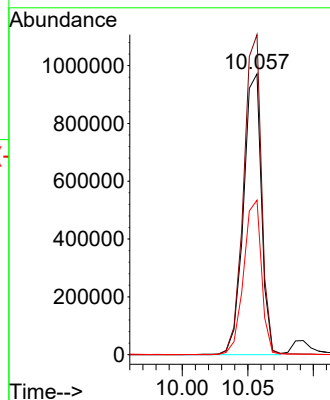
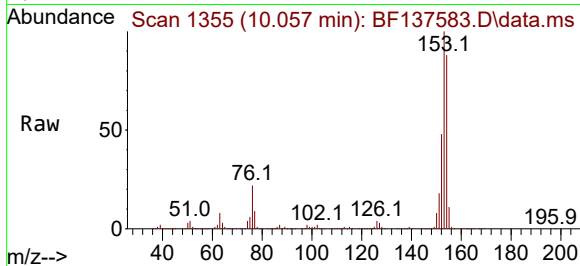




#52
Acenaphthene
Concen: 38.302 ng
RT: 10.057 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

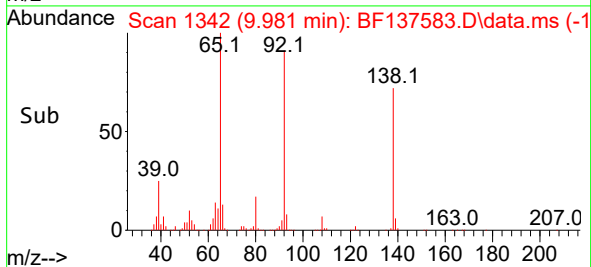
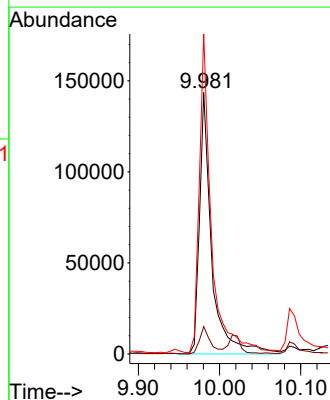
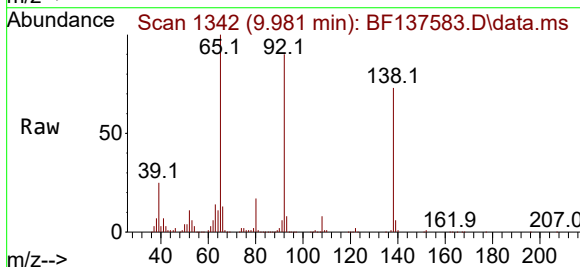
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

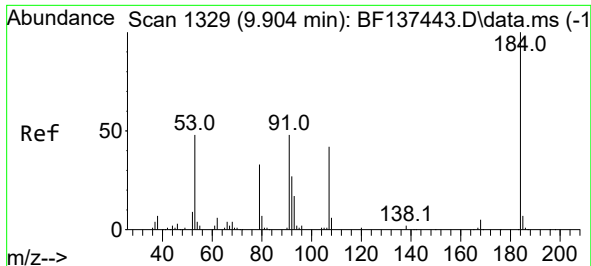
Tgt Ion:154 Resp: 929406
Ion Ratio Lower Upper
154 100
153 114.0 90.3 135.5
152 55.1 42.7 64.1



#53
3-Nitroaniline
Concen: 21.499 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.077 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:138 Resp: 150694
Ion Ratio Lower Upper
138 100
108 10.5 9.1 13.7
92 122.4 104.6 157.0

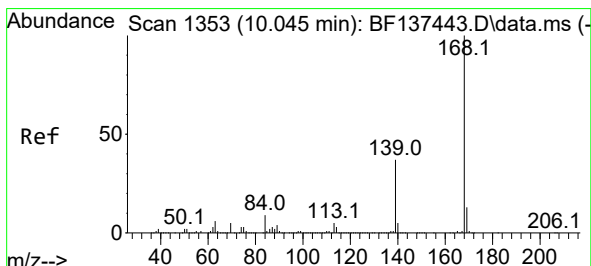
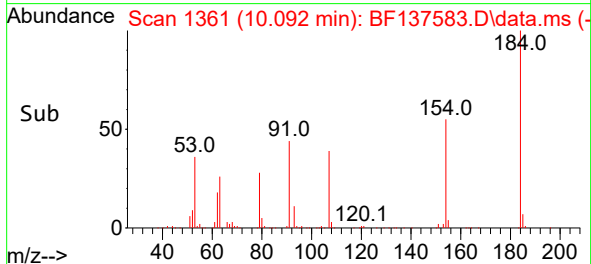
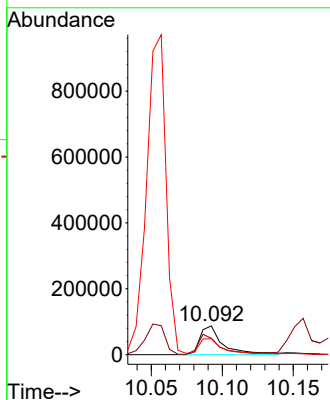
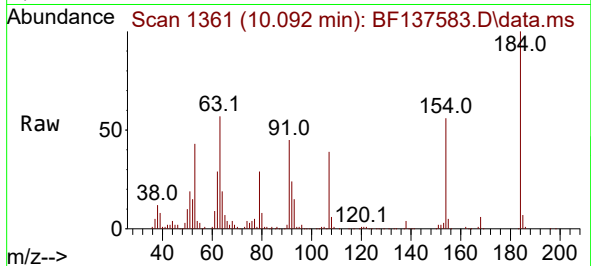




#54
2,4-Dinitrophenol
Concen: 35.584 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

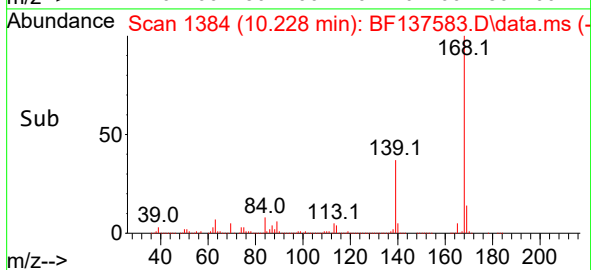
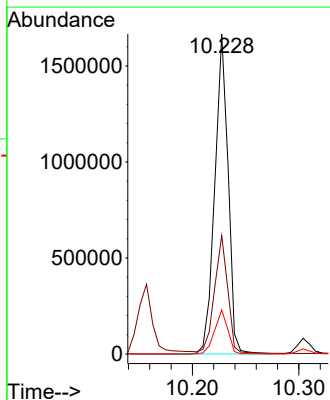
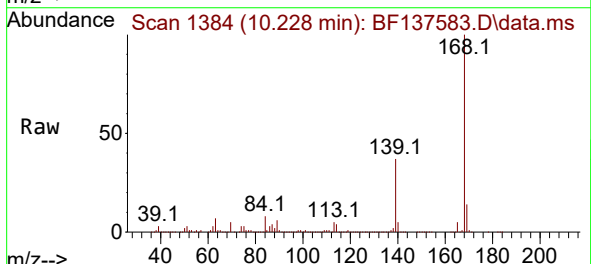
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

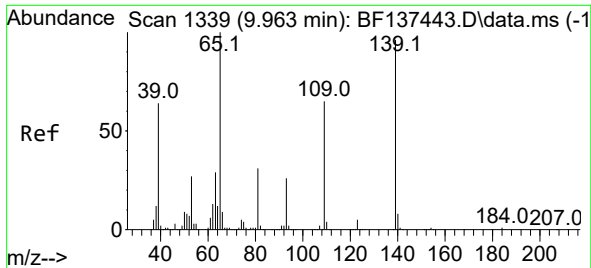
Tgt Ion:184 Resp: 98563
Ion Ratio Lower Upper
184 100
63 57.3 53.3 79.9
154 55.6 47.4 71.0



#55
Dibenzofuran
Concen: 39.016 ng
RT: 10.228 min Scan# 1384
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:168 Resp: 1441939
Ion Ratio Lower Upper
168 100
139 37.0 29.8 44.6
169 13.8 10.8 16.2

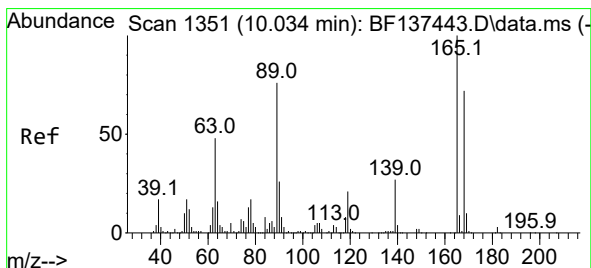
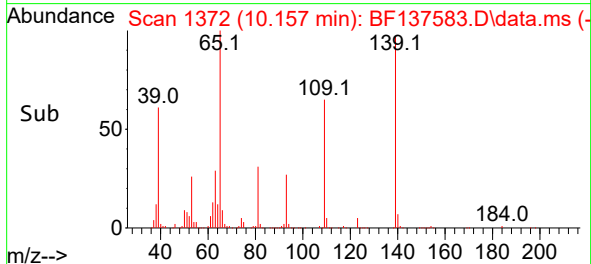
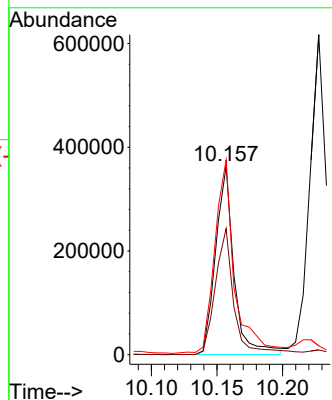
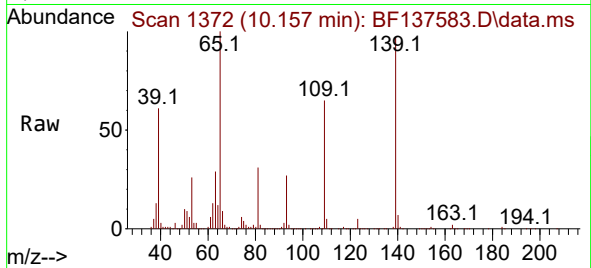




#56
4-Nitrophenol
Concen: 71.460 ng
RT: 10.157 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

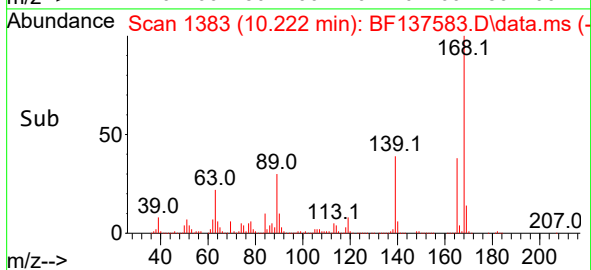
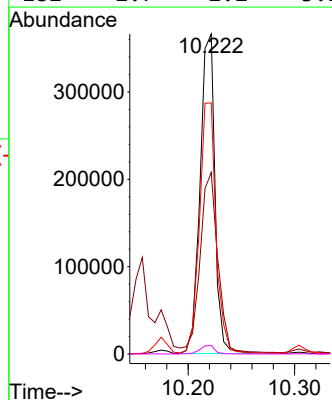
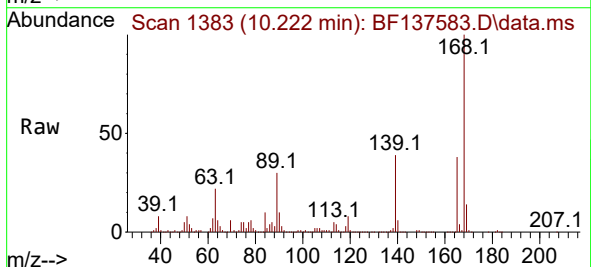
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

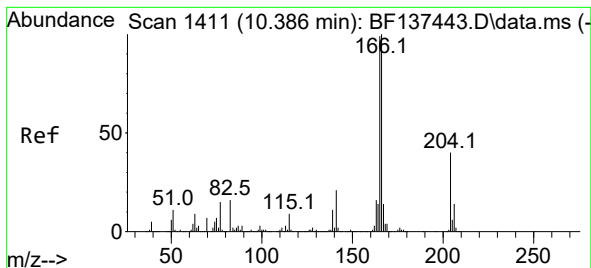
Tgt Ion:139 Resp: 353806
Ion Ratio Lower Upper
139 100
109 66.9 47.1 87.1
65 103.4 85.1 125.1



#57
2,4-Dinitrotoluene
Concen: 43.551 ng
RT: 10.222 min Scan# 1383
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:165 Resp: 354572
Ion Ratio Lower Upper
165 100
63 56.7 39.0 58.6
89 78.5 60.9 91.3
182 2.7 2.2 3.2





#58

Fluorene

Concen: 38.144 ng

RT: 10.575 min Scan# 14

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

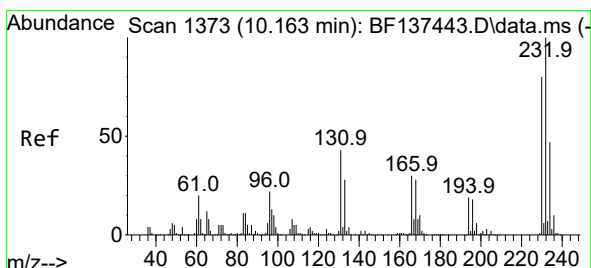
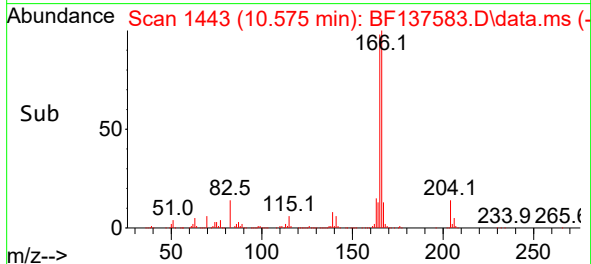
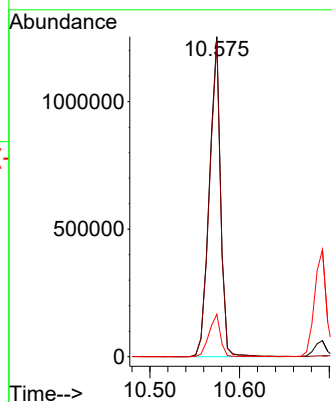
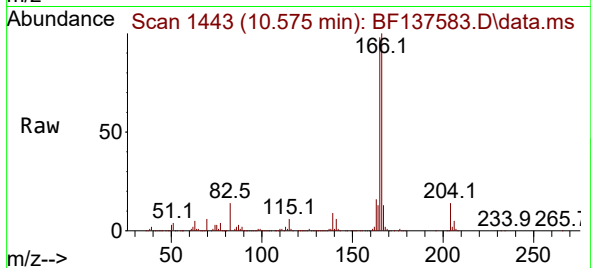
Tgt Ion:166 Resp: 1082628

Ion Ratio Lower Upper

166 100

165 98.4 79.2 118.8

167 13.2 11.0 16.6



#59

2,3,4,6-Tetrachlorophenol

Concen: 41.778 ng

RT: 10.351 min Scan# 1405

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Tgt Ion:232 Resp: 319327

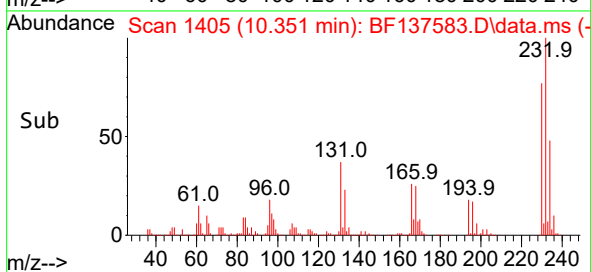
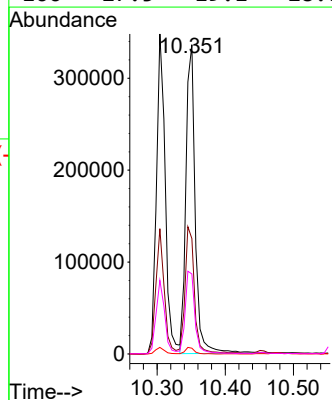
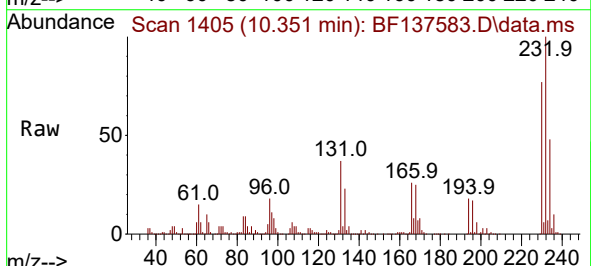
Ion Ratio Lower Upper

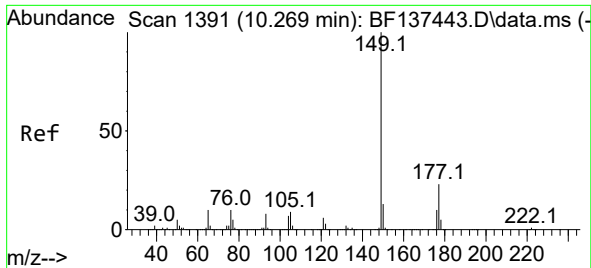
232 100

131 41.2 31.2 46.8

130 2.1 1.8 2.6

166 27.5 19.1 28.7

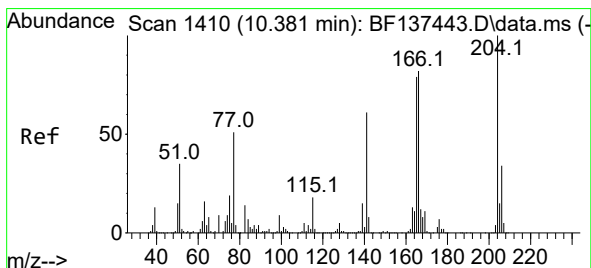
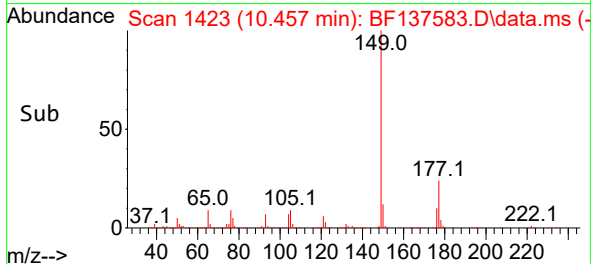
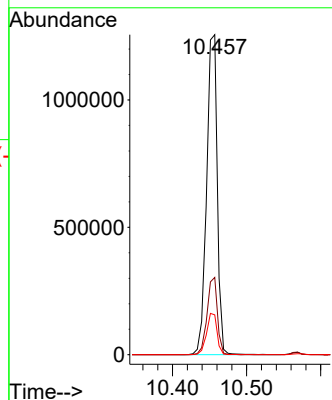
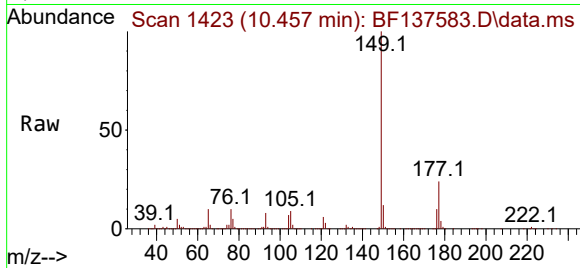




#60
Diethylphthalate
Concen: 42.099 ng
RT: 10.457 min Scan# 1442
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

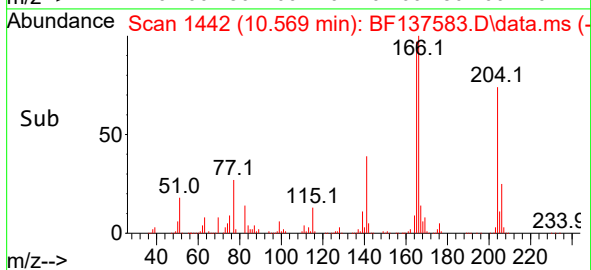
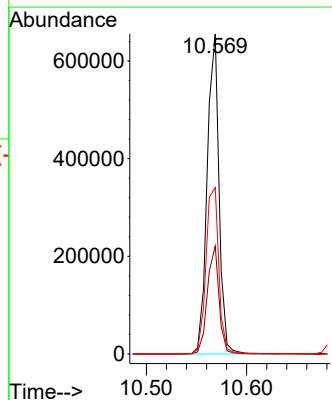
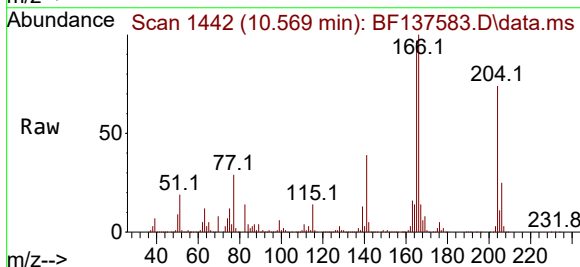
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

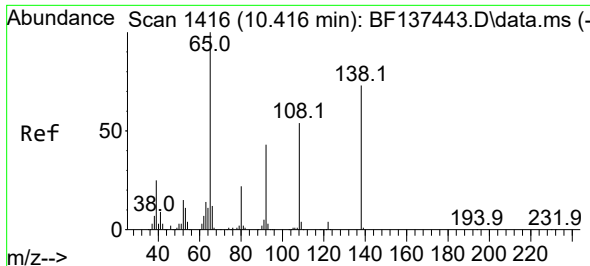
Tgt Ion:149 Resp: 1259534
Ion Ratio Lower Upper
149 100
177 24.1 18.7 28.1
150 12.5 10.2 15.4



#61
4-Chlorophenyl-phenylether
Concen: 38.748 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:204 Resp: 538988
Ion Ratio Lower Upper
204 100
206 33.7 27.4 41.0
141 52.0 48.4 72.6

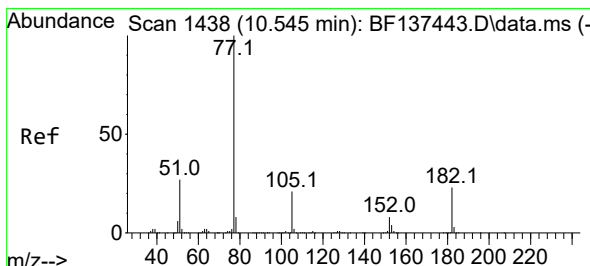
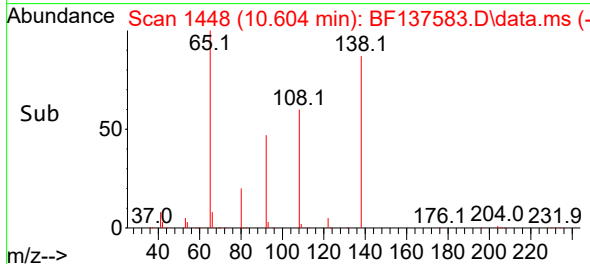
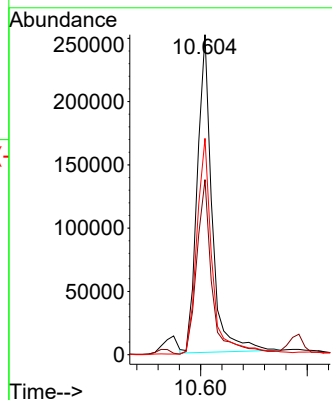
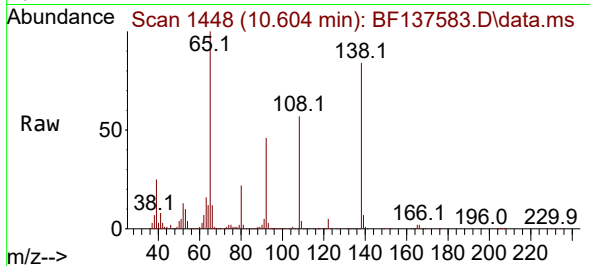




#62
4-Nitroaniline
Concen: 40.088 ng
RT: 10.604 min Scan# 1416
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

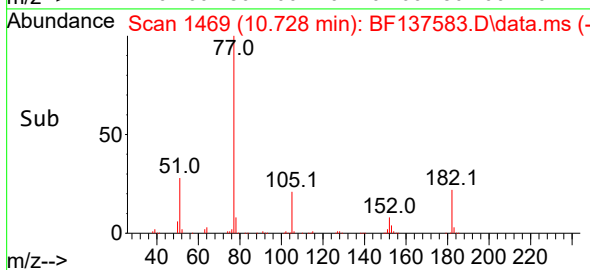
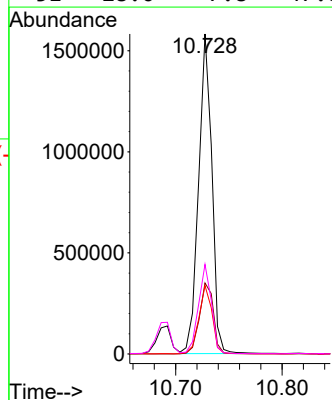
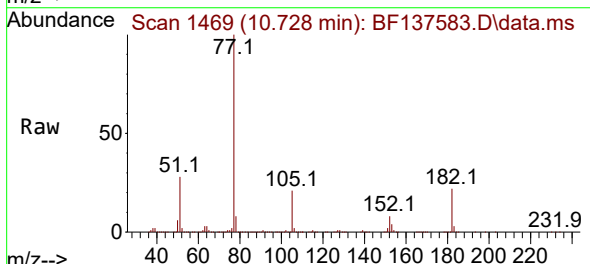
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

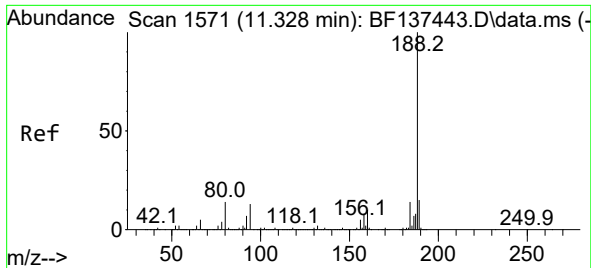
Tgt Ion:138 Resp: 241506
Ion Ratio Lower Upper
138 100
92 54.7 37.9 77.9
108 67.6 53.2 93.2



#63
Azobenzene
Concen: 39.802 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion: 77 Resp: 1371208
Ion Ratio Lower Upper
77 100
182 22.2 3.2 43.2
105 21.4 1.2 41.2
51 28.0 7.8 47.8

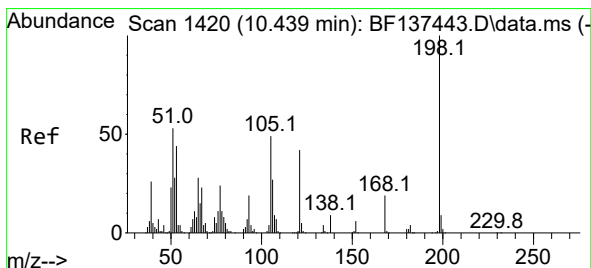
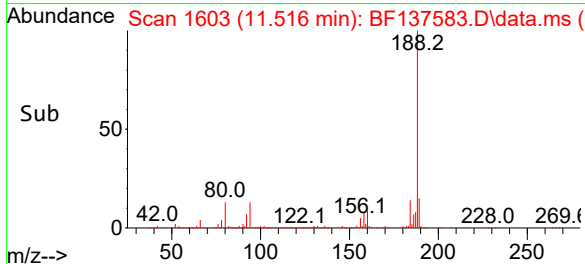
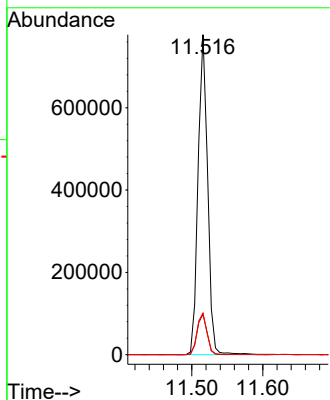
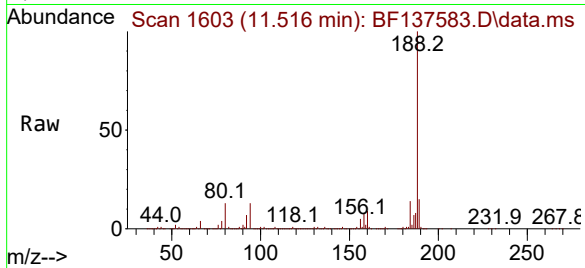




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

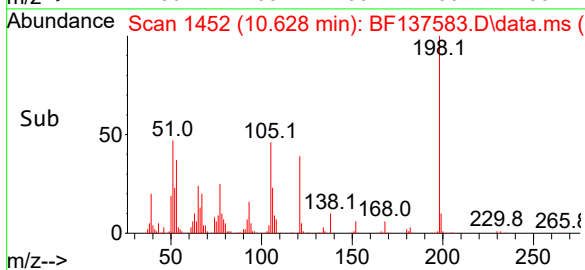
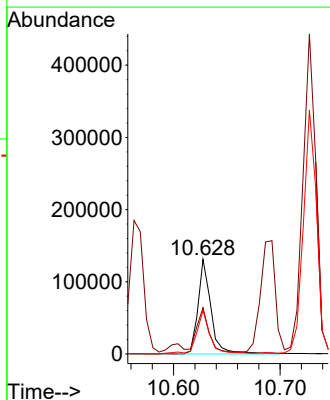
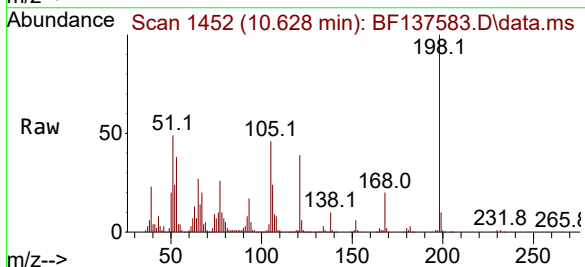
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

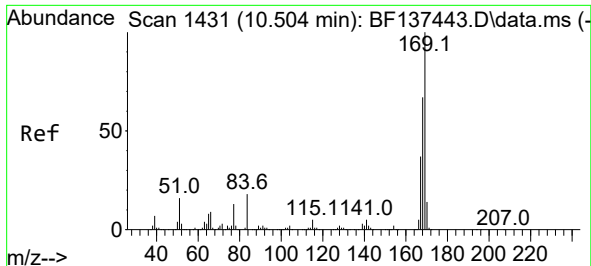
Tgt Ion:188 Resp: 729263
Ion Ratio Lower Upper
188 100
94 12.6 10.6 15.8
80 13.1 11.5 17.3



#65
4,6-Dinitro-2-methylphenol
Concen: 27.289 ng
RT: 10.628 min Scan# 1452
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:198 Resp: 110918
Ion Ratio Lower Upper
198 100
51 48.9 37.2 77.2
105 46.1 29.2 69.2

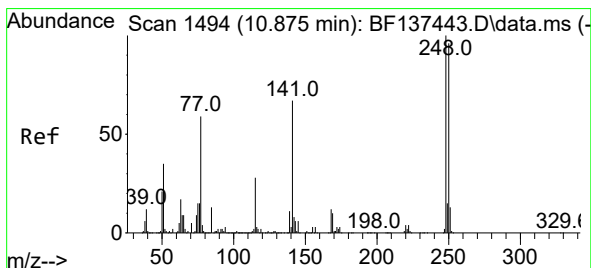
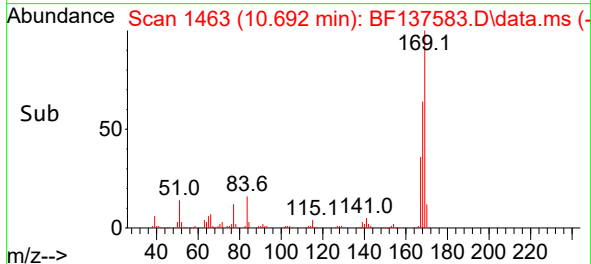
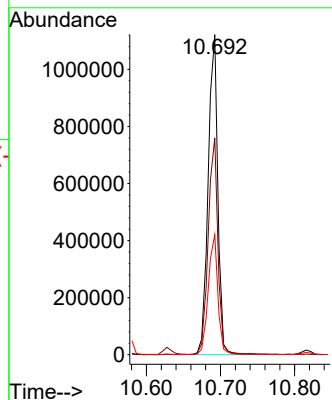
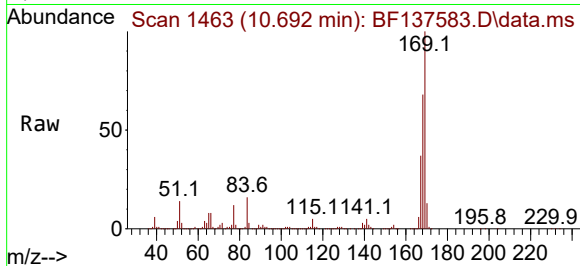




#66
n-Nitrosodiphenylamine
Concen: 43.481 ng
RT: 10.692 min Scan# 1431
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

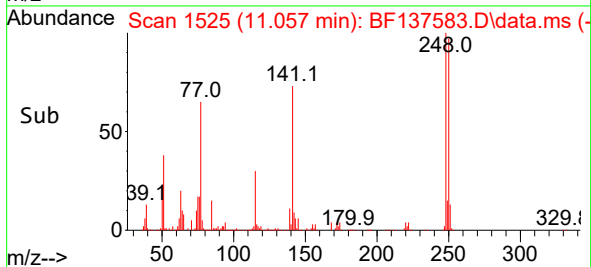
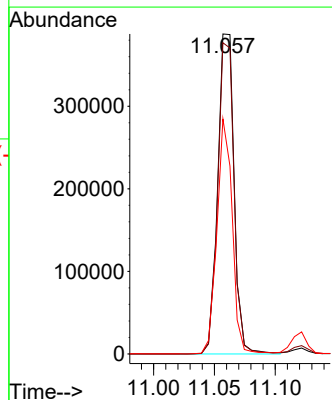
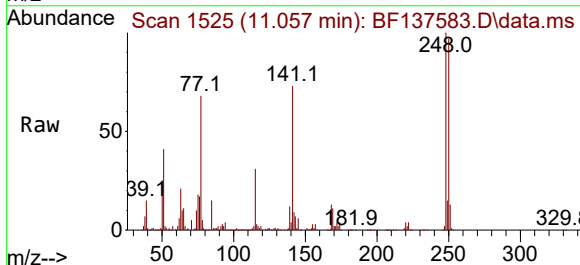
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

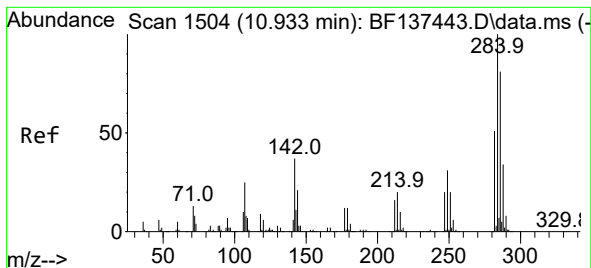
Tgt Ion:169 Resp: 1021077
Ion Ratio Lower Upper
169 100
168 67.7 53.8 80.6
167 37.5 29.6 44.4



#67
4-Bromophenyl-phenylether
Concen: 46.044 ng
RT: 11.057 min Scan# 1525
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:248 Resp: 365727
Ion Ratio Lower Upper
248 100
250 97.3 76.8 115.2
141 73.4 53.4 80.0





#68

Hexachlorobenzene

Concen: 47.543 ng

RT: 11.122 min Scan# 1

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

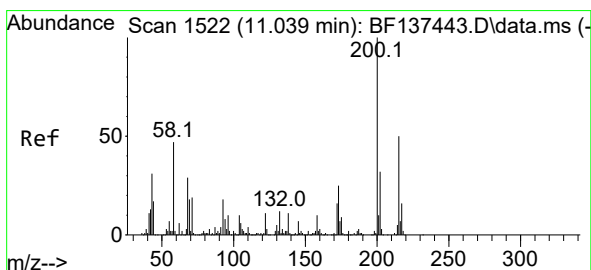
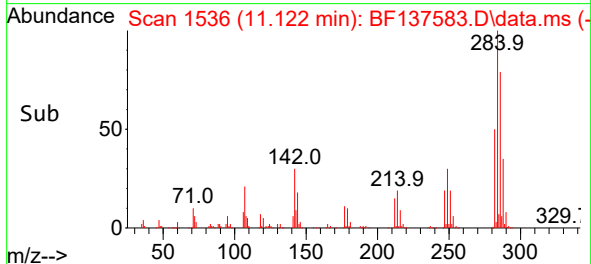
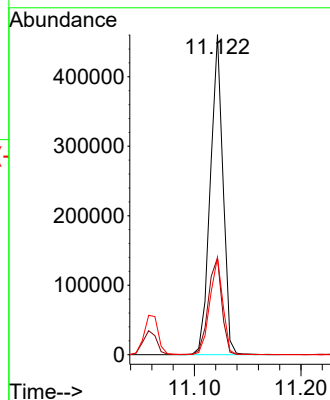
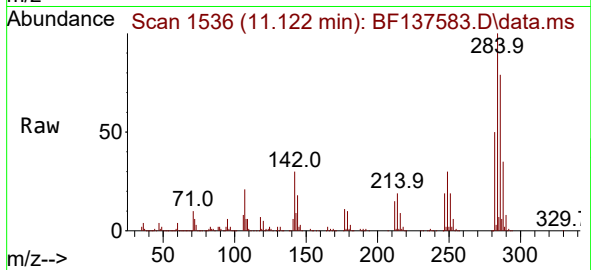
Tgt Ion:284 Resp: 381418

Ion Ratio Lower Upper

284 100

142 30.3 29.4 44.0

249 30.4 25.0 37.4



#69

Atrazine

Concen: 48.072 ng

RT: 11.228 min Scan# 1554

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

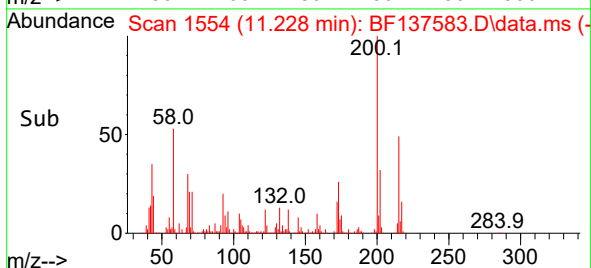
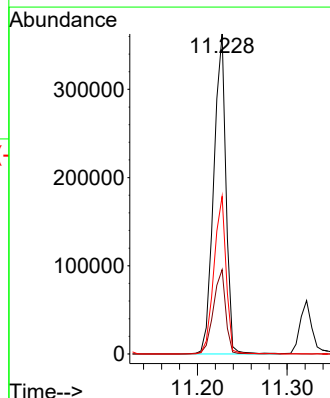
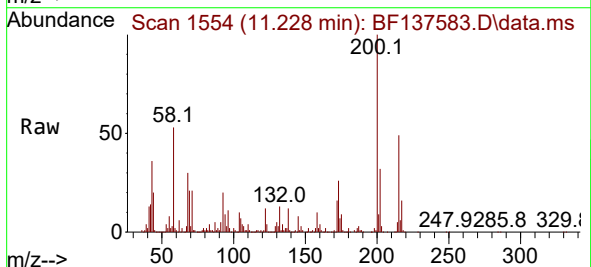
Tgt Ion:200 Resp: 343181

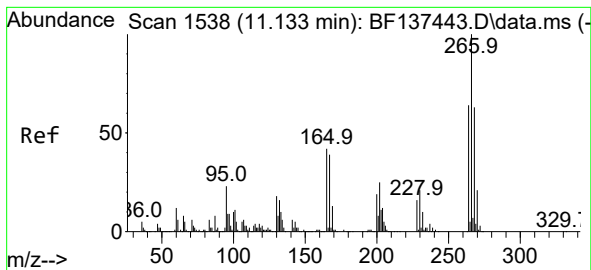
Ion Ratio Lower Upper

200 100

173 26.3 5.1 45.1

215 49.3 30.4 70.4





#70

Pentachlorophenol

Concen: 66.908 ng

RT: 11.322 min Scan# 1

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

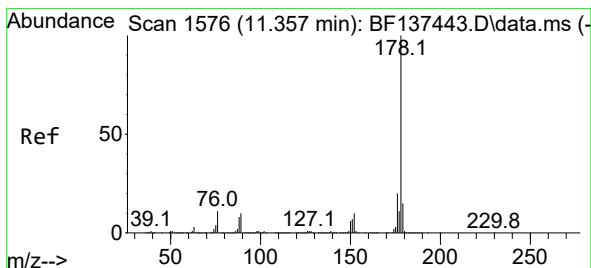
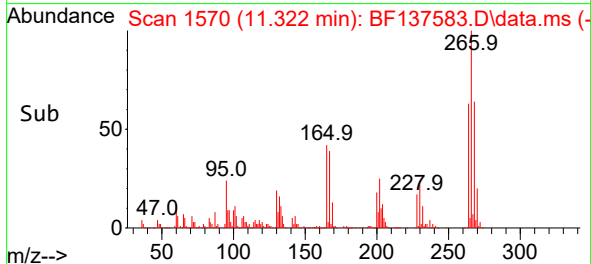
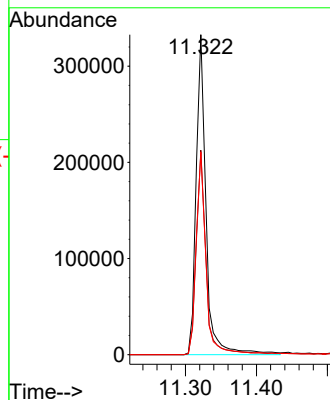
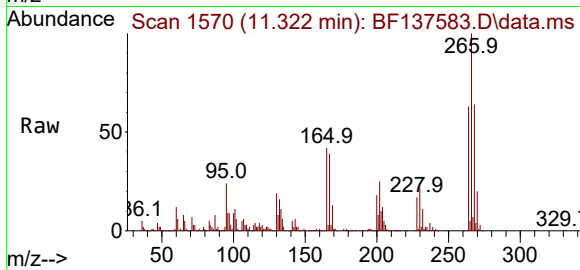
Tgt Ion:266 Resp: 324490

Ion Ratio Lower Upper

266 100

268 63.9 50.2 75.2

264 63.3 50.9 76.3



#71

Phenanthrene

Concen: 41.393 ng

RT: 11.539 min Scan# 1607

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

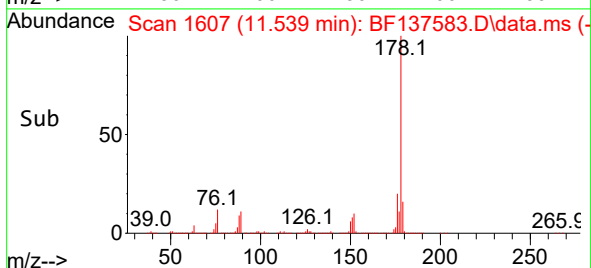
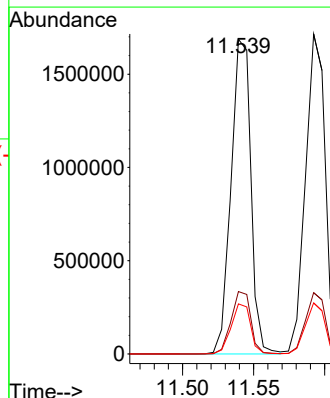
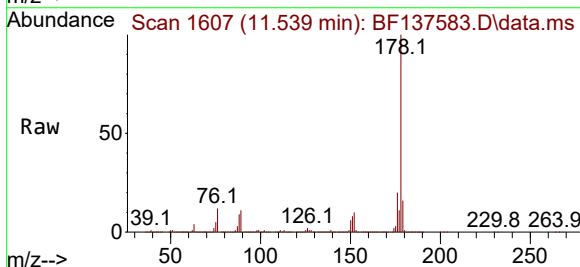
Tgt Ion:178 Resp: 1642822

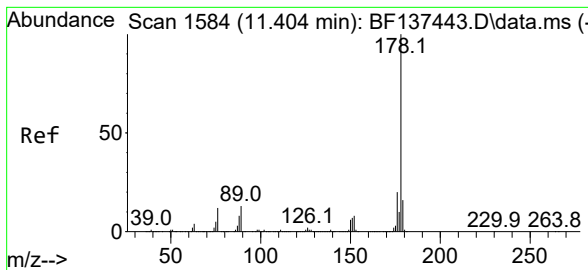
Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

179 15.9 12.2 18.2

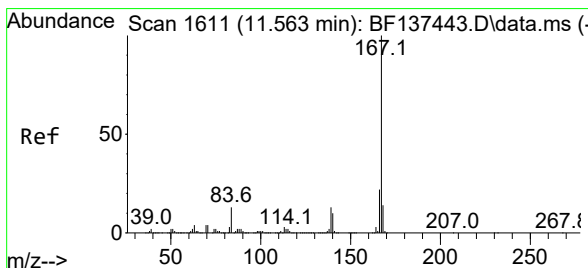
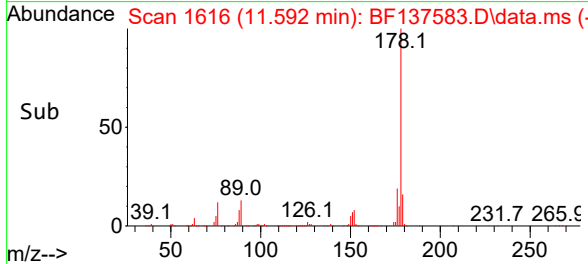
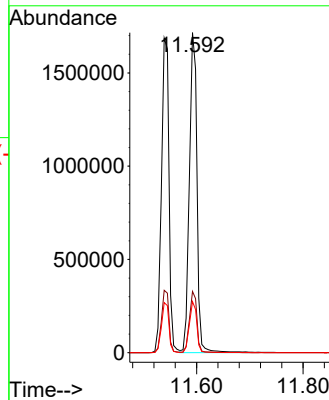
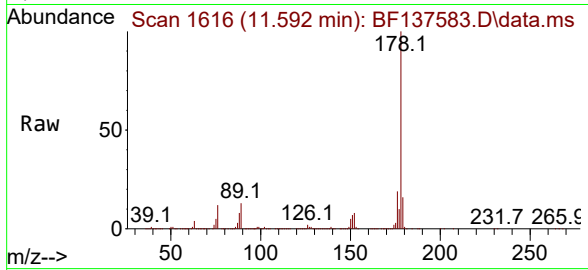




#72
 Anthracene
 Concen: 41.637 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. 0.082 min
 Lab File: BF137583.D
 Acq: 13 Mar 2024 18:29

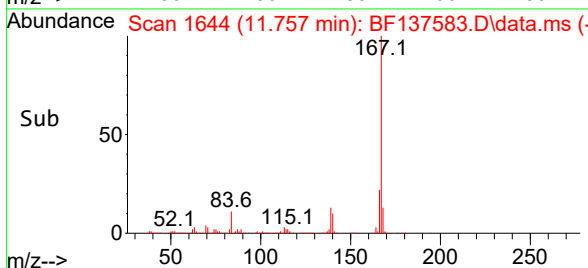
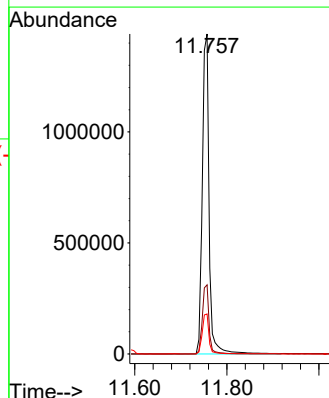
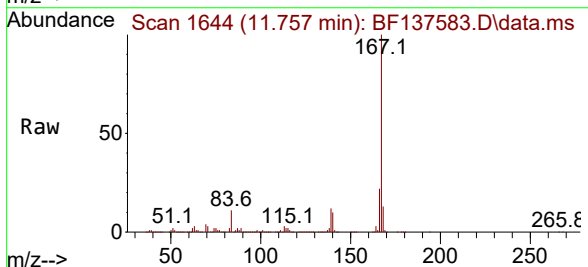
Instrument :
 BNA_F
 ClientSampleId :
 RT-3860MS

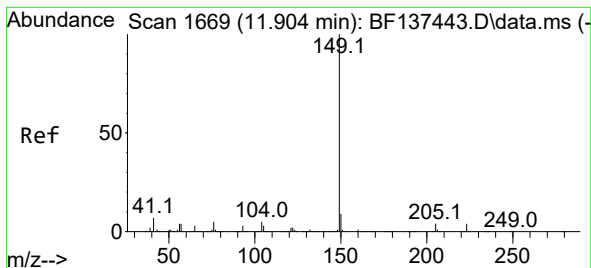
Tgt Ion:178 Resp: 1697205
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.7 23.5
 179 16.0 12.7 19.1



#73
 Carbazole
 Concen: 42.087 ng
 RT: 11.757 min Scan# 1644
 Delta R.T. 0.088 min
 Lab File: BF137583.D
 Acq: 13 Mar 2024 18:29

Tgt Ion:167 Resp: 1469489
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.8 26.8
 139 12.5 10.5 15.7





#74

Di-n-butylphthalate

Concen: 45.361 ng

RT: 12.092 min Scan# 11

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

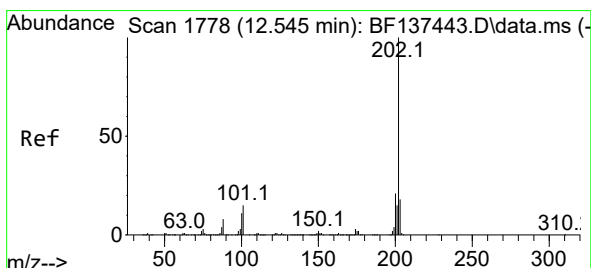
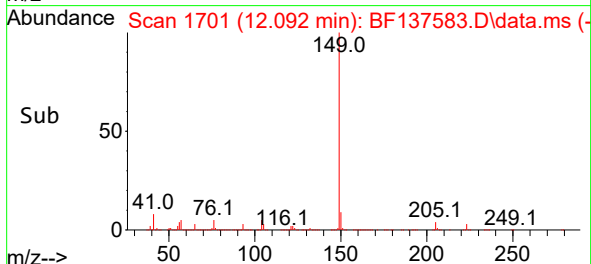
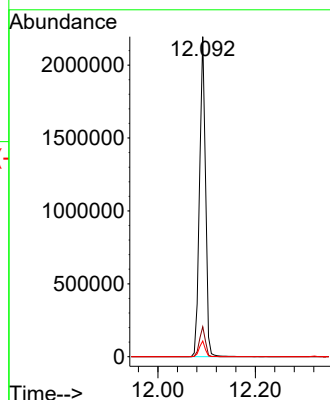
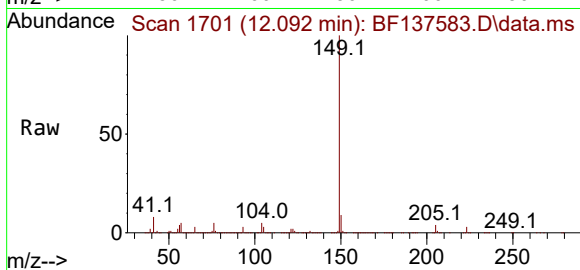
Tgt Ion:149 Resp: 1884363

Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 4.9 3.8 5.6



#75

Fluoranthene

Concen: 38.928 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

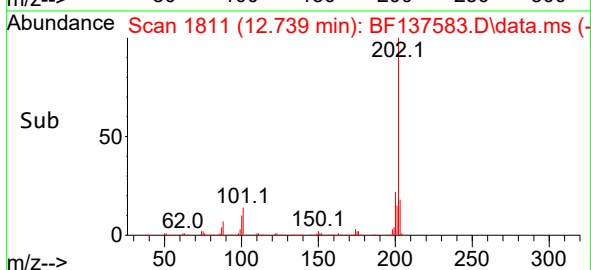
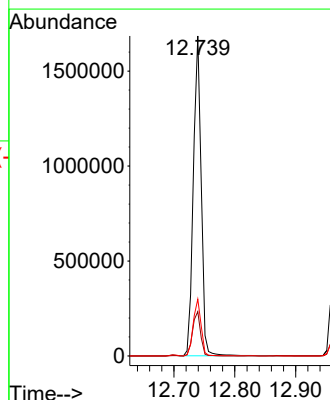
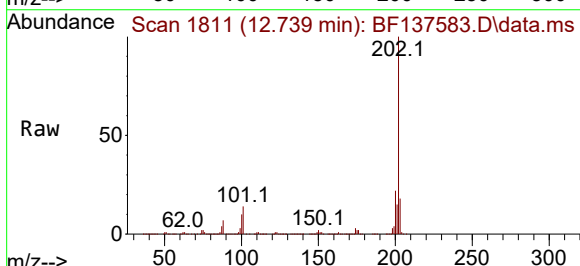
Tgt Ion:202 Resp: 1510173

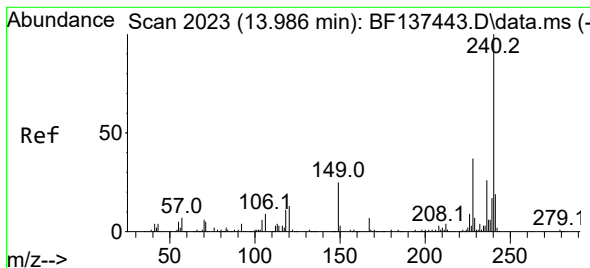
Ion Ratio Lower Upper

202 100

101 13.9 0.0 35.0

203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.186 min Scan# 20

Delta R.T. 0.088 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

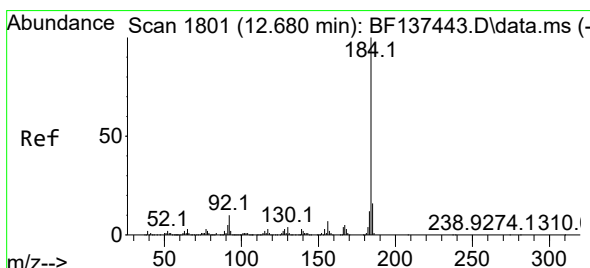
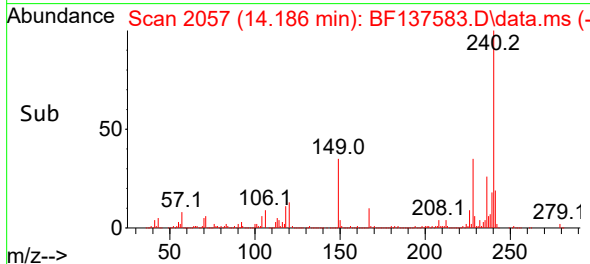
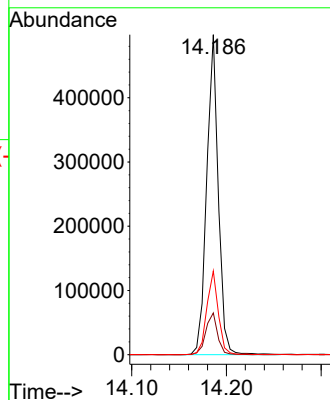
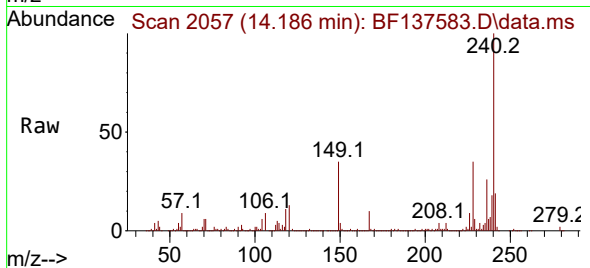
Tgt Ion:240 Resp: 421690

Ion Ratio Lower Upper

240 100

120 13.0 10.4 15.6

236 26.1 20.9 31.3



#77

Benzidine

Concen: 38.560 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.082 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

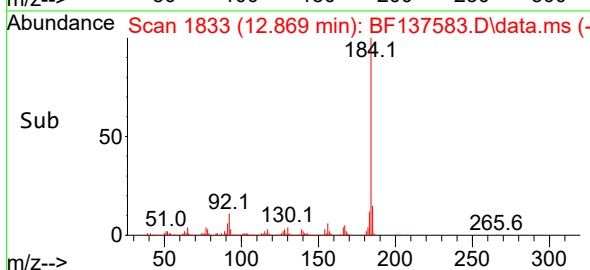
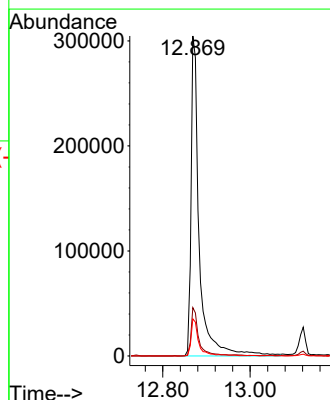
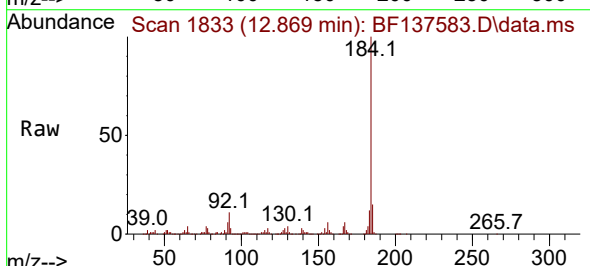
Tgt Ion:184 Resp: 397931

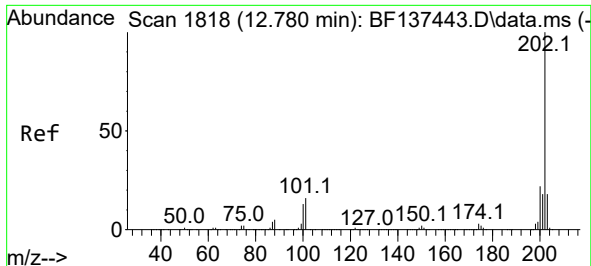
Ion Ratio Lower Upper

184 100

185 15.1 13.2 19.8

183 11.6 9.3 13.9

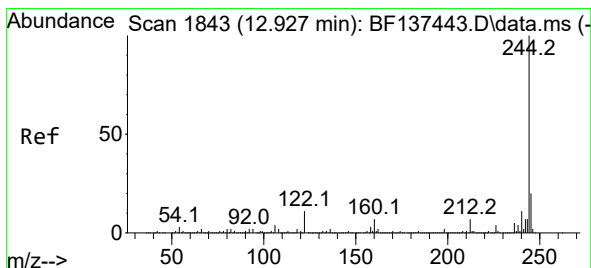
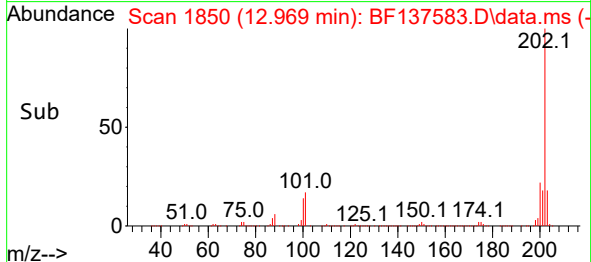
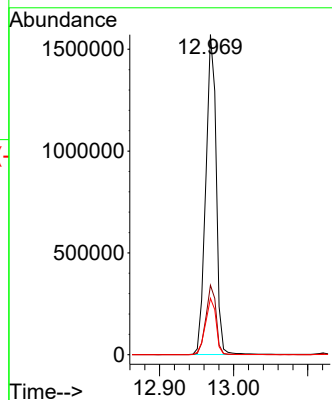
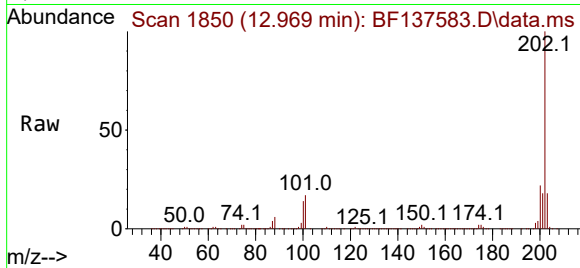




#78
Pyrene
Concen: 37.193 ng
RT: 12.969 min Scan# 1850
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

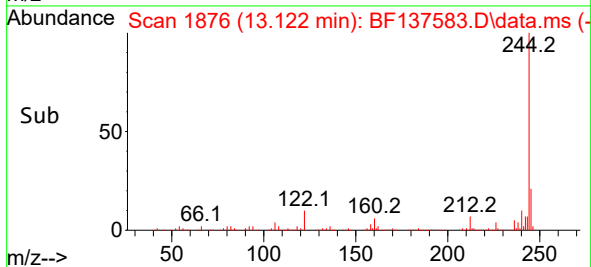
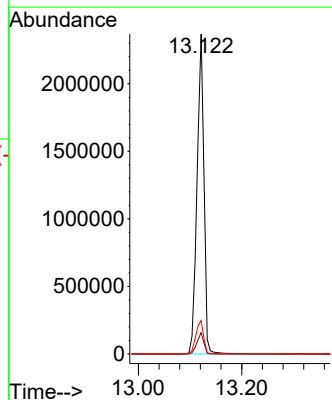
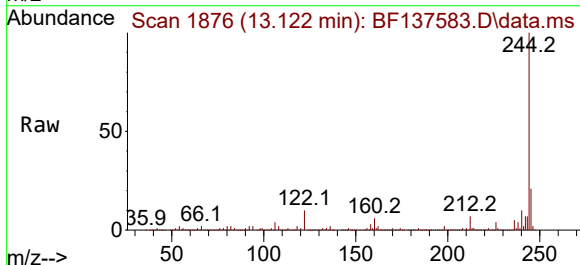
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

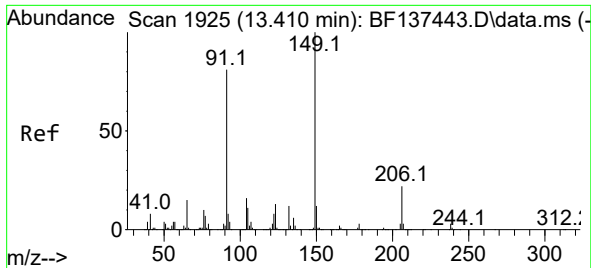
Tgt Ion:202 Resp: 1538960
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 17.6 14.1 21.1



#79
Terphenyl-d14
Concen: 71.995 ng
RT: 13.122 min Scan# 1876
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:244 Resp: 2207805
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.5 9.1 13.7

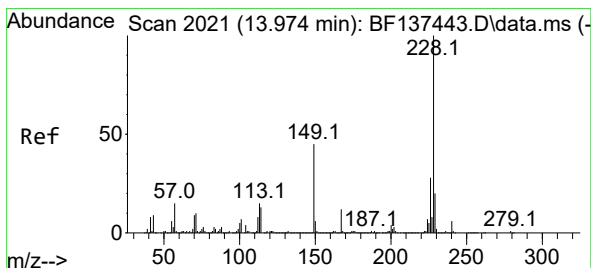
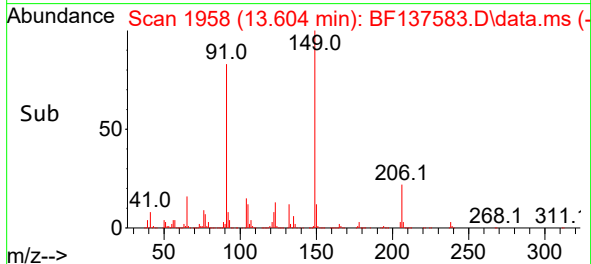
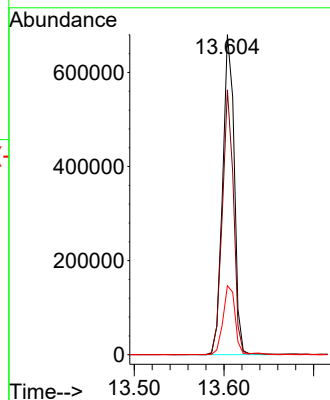
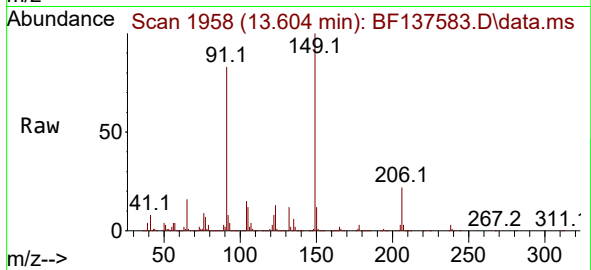




#80
Butylbenzylphthalate
Concen: 57.944 ng
RT: 13.604 min Scan# 1925
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

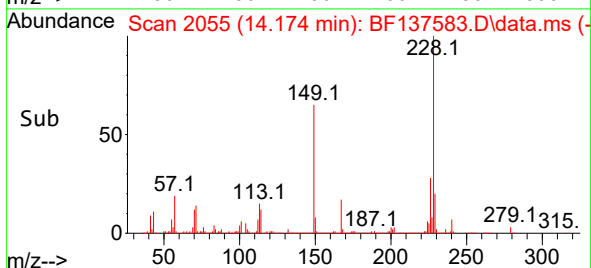
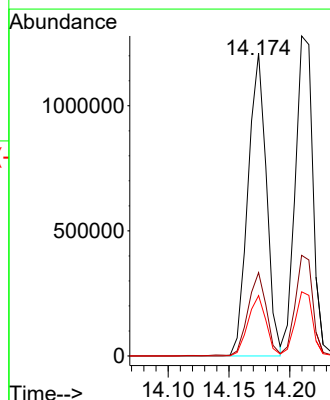
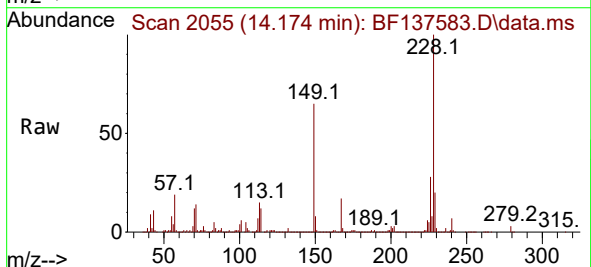
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

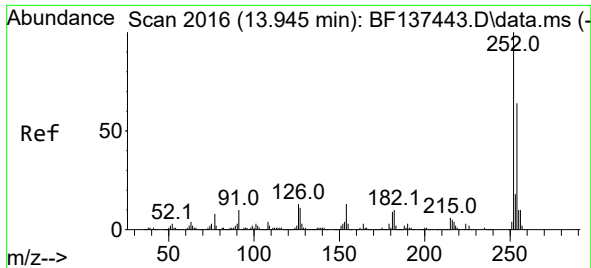
Tgt Ion:149 Resp: 612305
Ion Ratio Lower Upper
149 100
91 82.7 64.7 97.1
206 21.6 17.5 26.3



#81
Benzo(a)anthracene
Concen: 43.117 ng
RT: 14.174 min Scan# 2055
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:228 Resp: 1274350
Ion Ratio Lower Upper
228 100
226 27.5 22.3 33.5
229 19.9 16.3 24.5

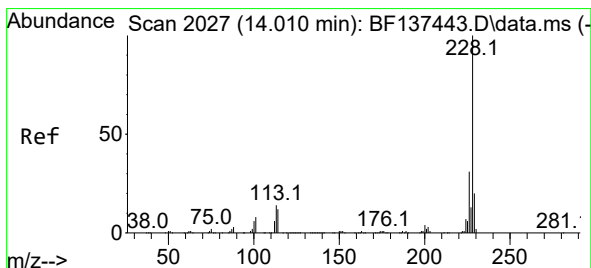
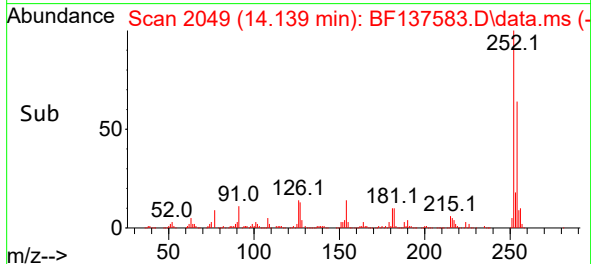
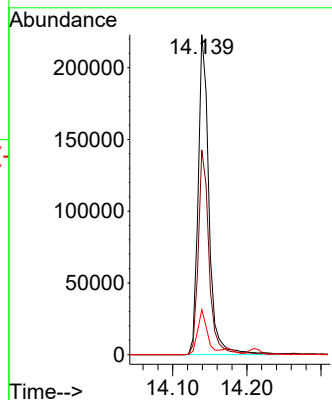
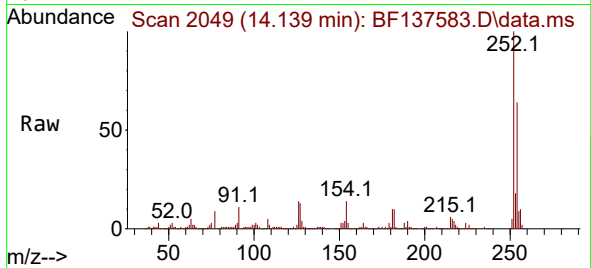




#82
3,3'-Dichlorobenzidine
Concen: 28.559 ng
RT: 14.139 min Scan# 2049
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

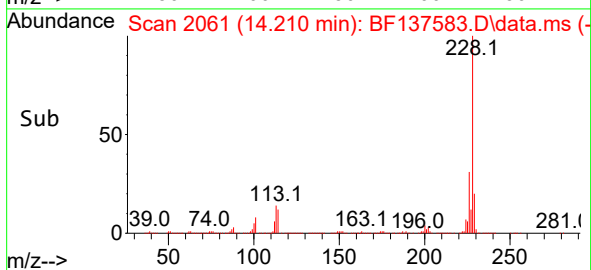
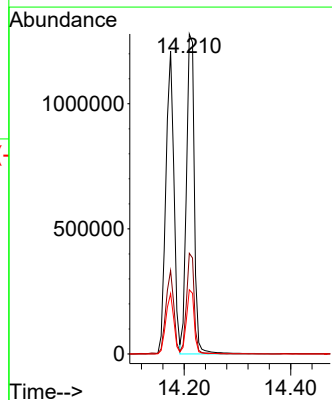
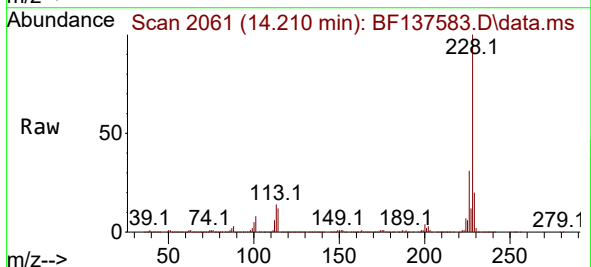
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

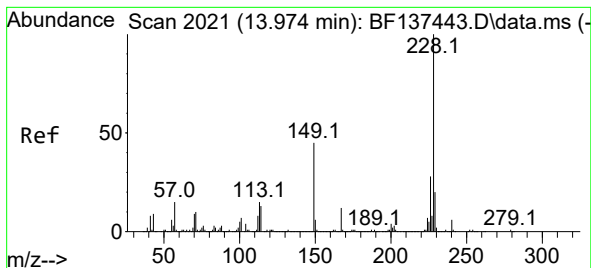
Tgt Ion:252 Resp: 224784
Ion Ratio Lower Upper
252 100
254 64.0 51.4 77.2
126 14.1 10.4 15.6



#83
Chrysene
Concen: 43.906 ng
RT: 14.210 min Scan# 2061
Delta R.T. 0.082 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:228 Resp: 1311562
Ion Ratio Lower Upper
228 100
226 31.5 24.7 37.1
229 20.0 15.9 23.9

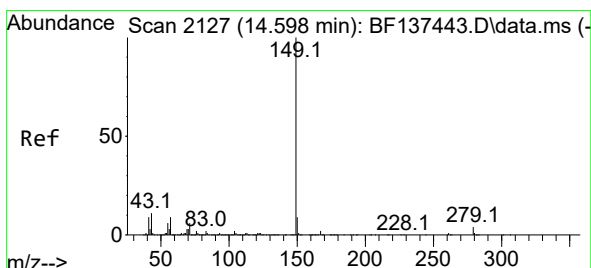
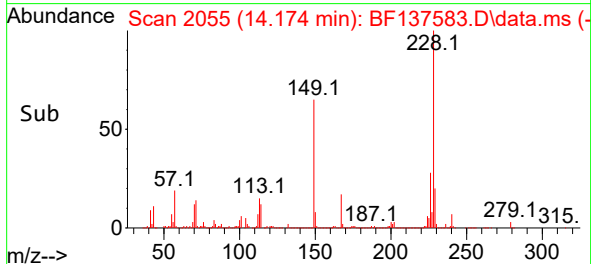
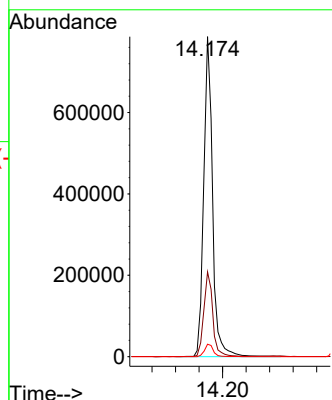
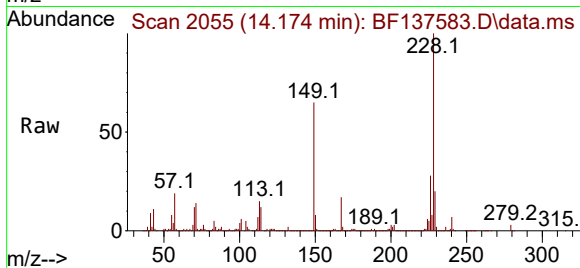




#84
Bis(2-ethylhexyl)phthalate
Concen: 60.819 ng
RT: 14.174 min Scan# 2055
Delta R.T. 0.088 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

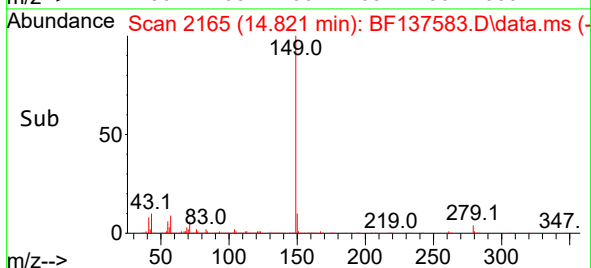
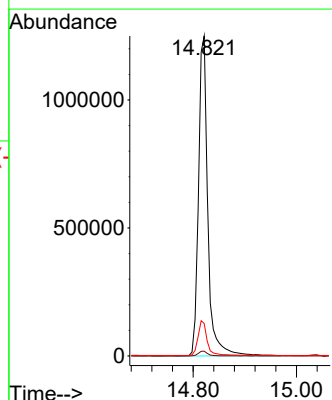
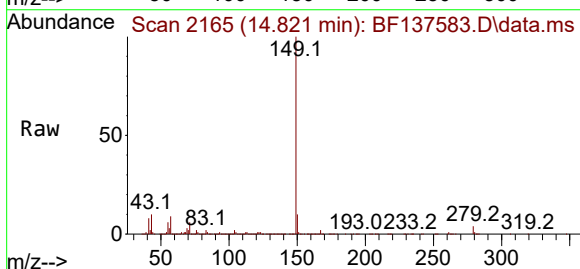
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

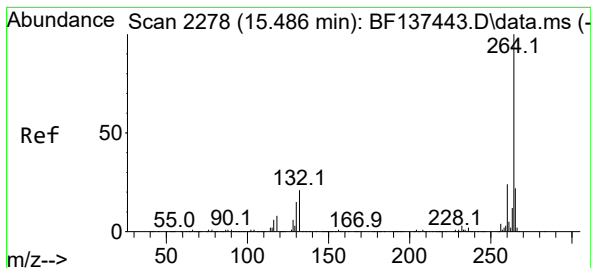
Tgt Ion:149 Resp: 816873
Ion Ratio Lower Upper
149 100
167 26.5 21.3 31.9
279 3.9 2.6 4.0



#85
Di-n-octyl phthalate
Concen: 58.953 ng
RT: 14.821 min Scan# 2165
Delta R.T. 0.106 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Tgt Ion:149 Resp: 1563529
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.8 9.6 14.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 21

Delta R.T. 0.141 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

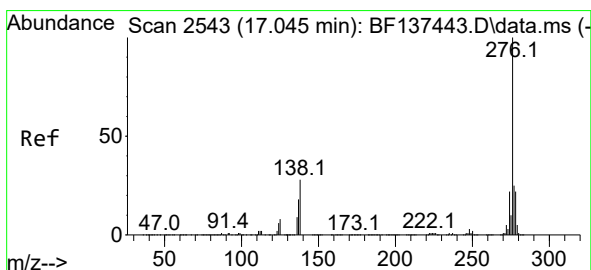
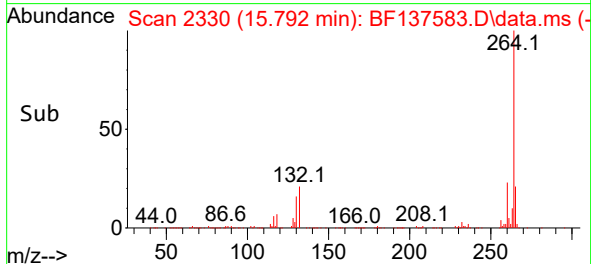
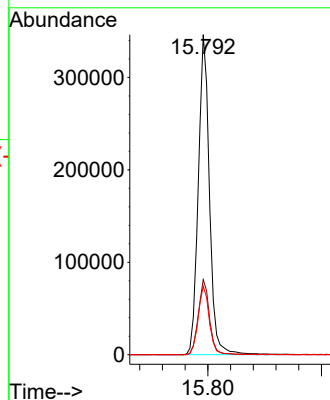
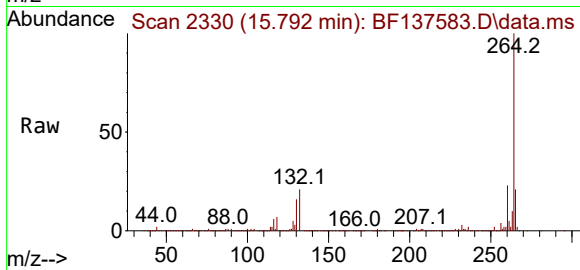
Tgt Ion:264 Resp: 474304

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 21.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 38.773 ng

RT: 17.539 min Scan# 2627

Delta R.T. 0.247 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

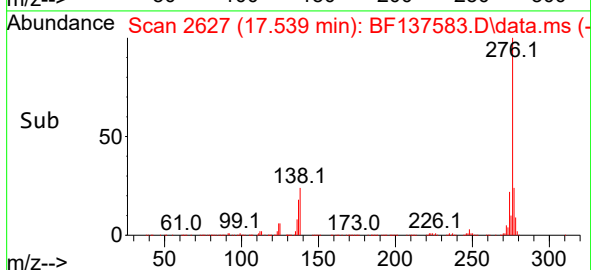
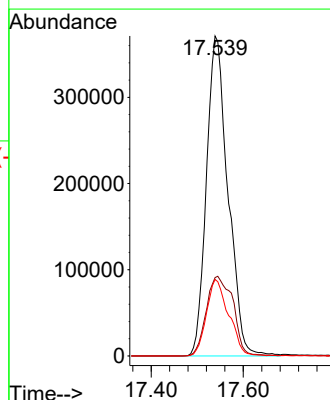
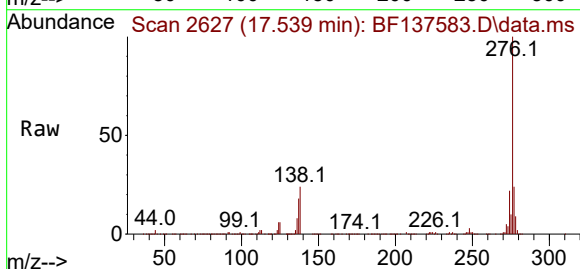
Tgt Ion:276 Resp: 1210201

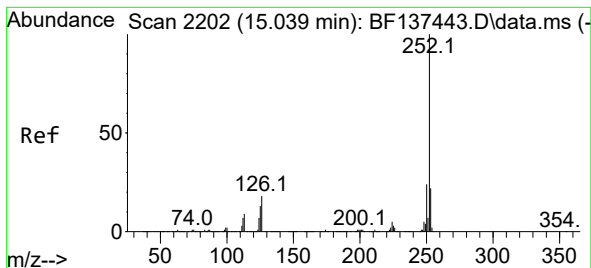
Ion Ratio Lower Upper

276 100

138 30.7 25.8 38.8

277 24.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 45.971 ng

RT: 15.339 min Scan# 2202

Delta R.T. 0.153 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

Instrument :

BNA_F

ClientSampleId :

RT-3860MS

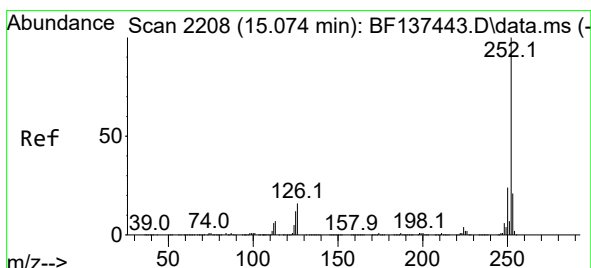
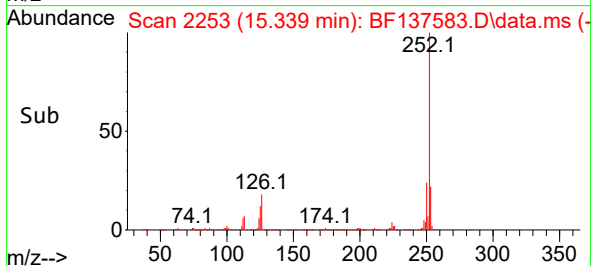
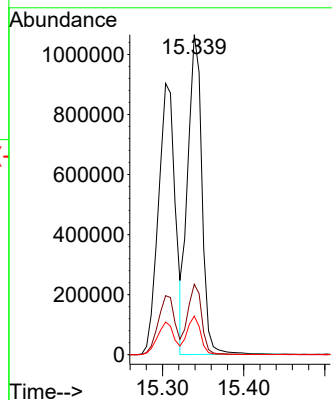
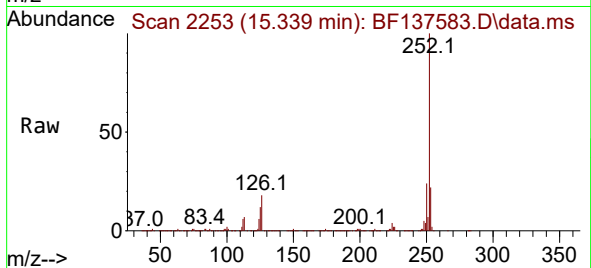
Tgt Ion:252 Resp: 1289809

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 12.1 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 42.800 ng

RT: 15.339 min Scan# 2253

Delta R.T. 0.124 min

Lab File: BF137583.D

Acq: 13 Mar 2024 18:29

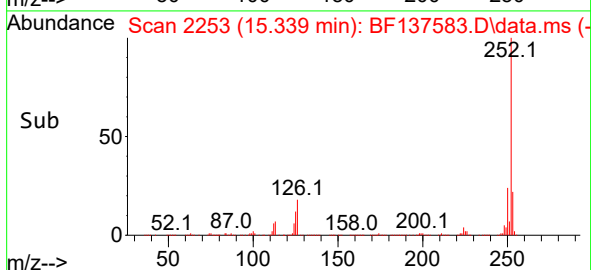
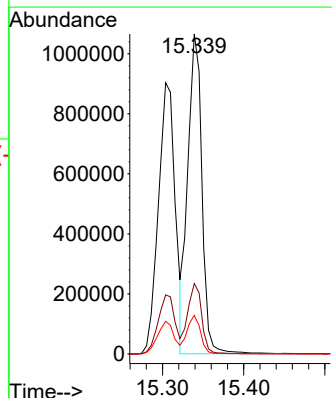
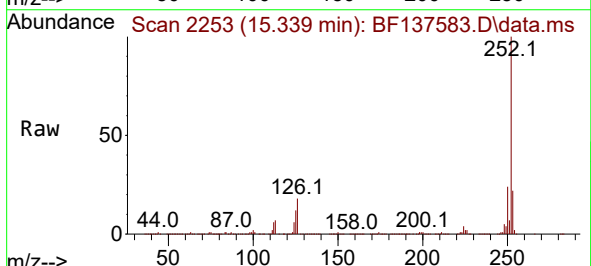
Tgt Ion:252 Resp: 1289809

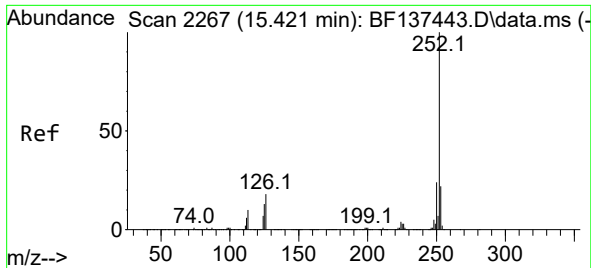
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 12.1 9.6 14.4

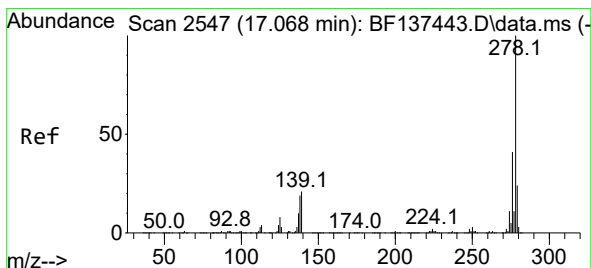
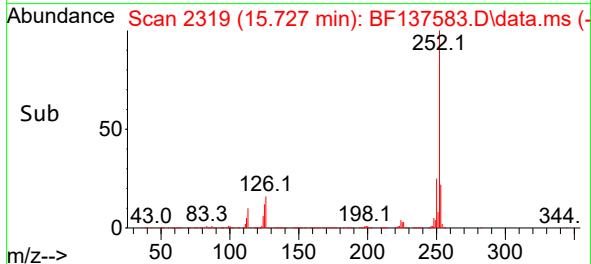
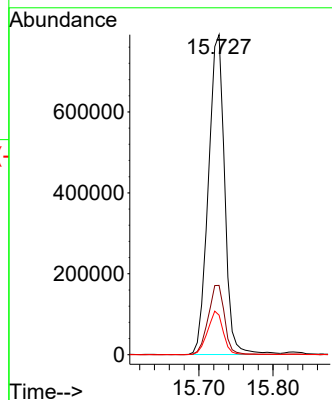
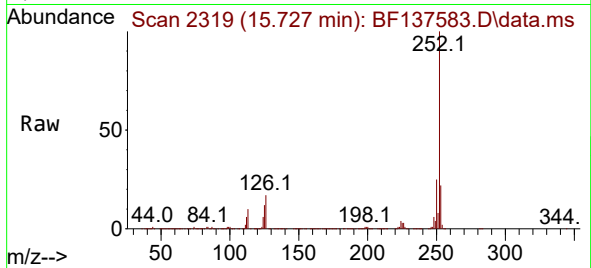




#90
Benzo(a)pyrene
Concen: 43.610 ng
RT: 15.727 min Scan# 21
Delta R.T. 0.141 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

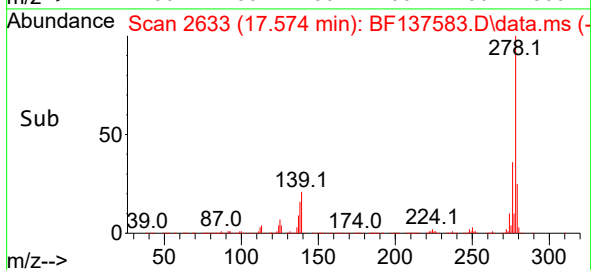
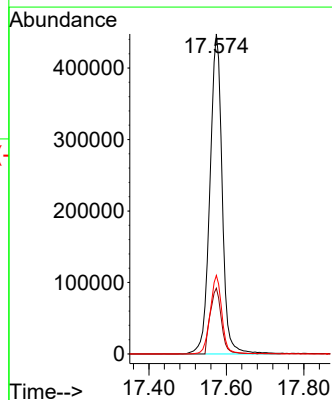
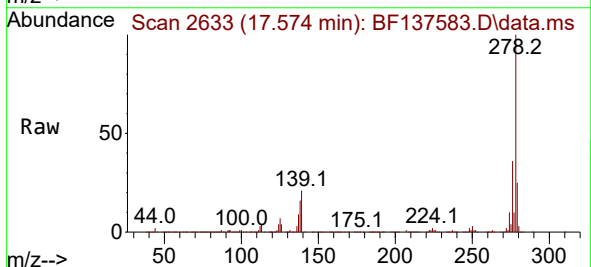
Instrument :
BNA_F
ClientSampleId :
RT-3860MS

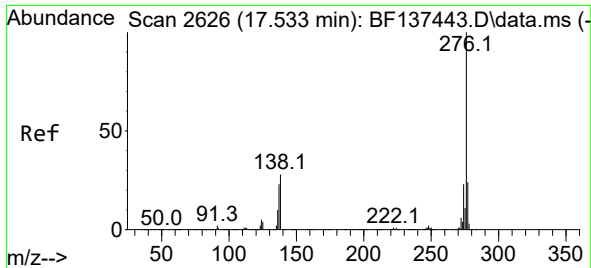
Tgt Ion:252 Resp: 1205760
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 12.4 10.4 15.6



#91
Dibenzo(a,h)anthracene
Concen: 38.867 ng
RT: 17.574 min Scan# 2633
Delta R.T. 0.259 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

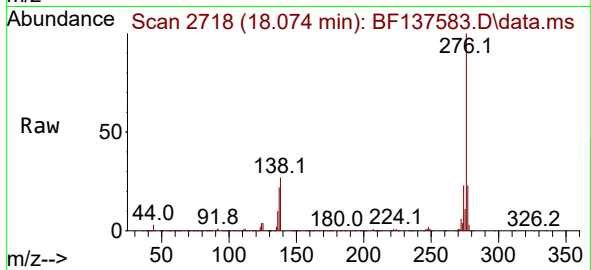
Tgt Ion:278 Resp: 984103
Ion Ratio Lower Upper
278 100
139 20.5 17.0 25.6
279 24.6 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 34.140 ng
RT: 18.074 min Scan# 21
Delta R.T. 0.282 min
Lab File: BF137583.D
Acq: 13 Mar 2024 18:29

Instrument :
BNA_F
ClientSampleId :
RT-3860MS



Tgt Ion:276 Resp: 887740
Ion Ratio Lower Upper
276 100
277 23.0 19.0 28.4
138 26.9 22.2 33.2

