

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135994.D
 Acq On : 27 Oct 2023 20:08
 Operator : CG\JU
 Sample : 04767-06 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q-4(0-5)

Quant Time: Oct 27 22:35:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

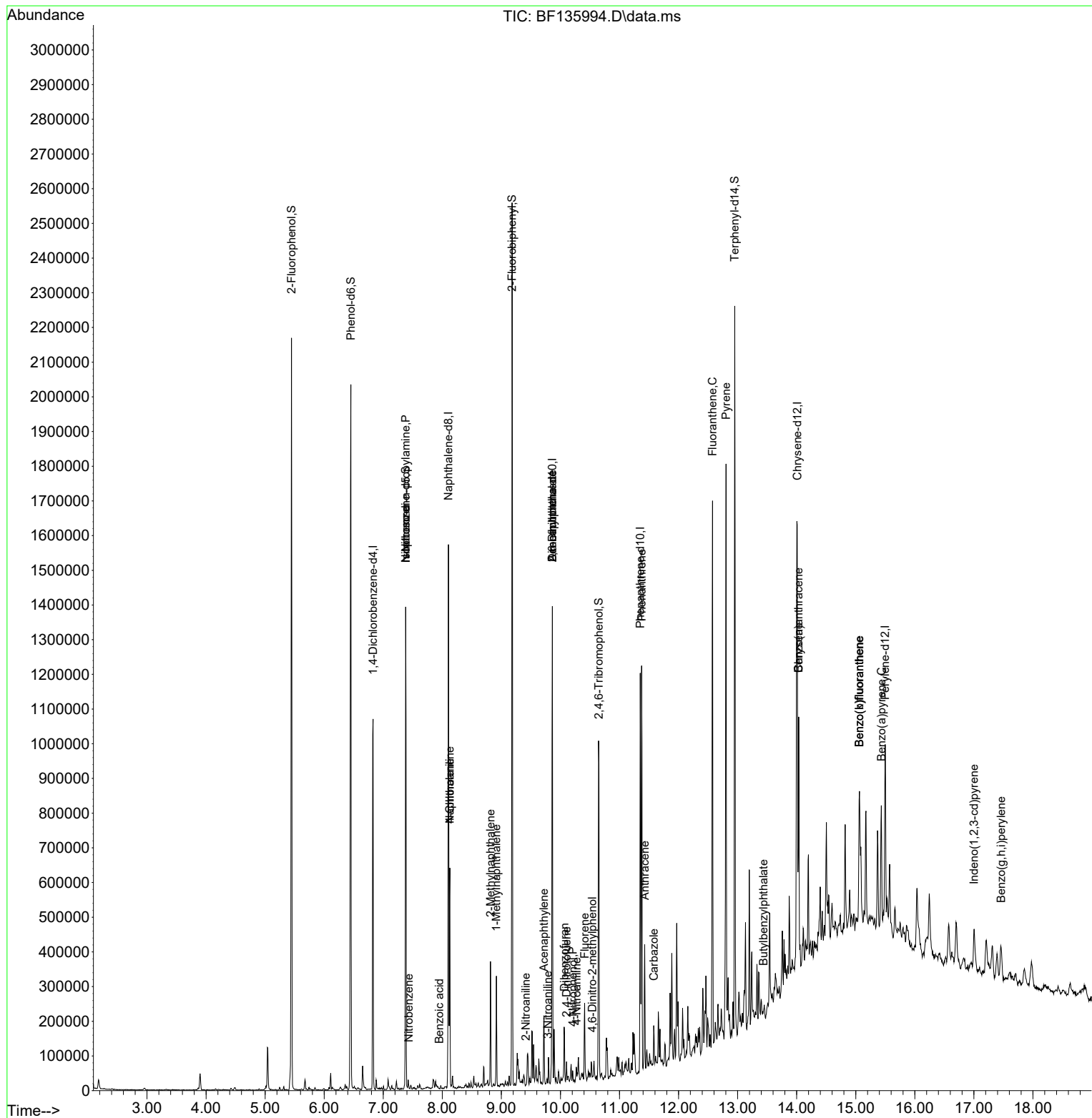
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	158238	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	586751	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	248508	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	387100	20.000	ng	0.00
76) Chrysene-d12	14.010	240	338086	20.000	ng	0.00
86) Perylene-d12	15.498	264	248240	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	562885	54.929	ng	0.00
7) Phenol-d6	6.451	99	691839	54.229	ng	0.00
23) Nitrobenzene-d5	7.381	82	384297	47.213	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	110600	50.846	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	708316	45.640	ng	0.00
79) Terphenyl-d14	12.951	244	689021	34.050	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	50035	6.897	ng	# 79
24) Nitrobenzene	7.434	77	205	2.602	ng	# 36
25) Isophorone	7.381	82	384197	20.715	ng	# 64
31) Naphthalene	8.128	128	251664	8.871	ng	98
32) Benzoic acid	7.951	122	65	5.736	ng	90
33) 4-Chloroaniline	8.128	127	32647	2.604	ng	# 29
37) 2-Methylnaphthalene	8.816	142	82511	4.396	ng	98
38) 1-Methylnaphthalene	8.916	142	67820	3.867	ng	99
48) 2-Nitroaniline	9.416	65	59	4.226	ng	# 1
49) Acenaphthylene	9.722	152	65568	2.984	ng	99
50) Dimethylphthalate	9.863	163	50944	3.161	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	34537	14.152	ng	# 21
53) 3-Nitroaniline	9.786	138	54	4.574	ng	# 1
55) Dibenzofuran	10.069	168	41915	2.060	ng	95
56) 4-Nitrophenol	10.210	139	818	6.416	ng	86
57) 2,4-Dinitrotoluene	10.104	165	1207	6.084	ng	# 55
58) Fluorene	10.410	166	54661	3.591	ng	99
62) 4-Nitroaniline	10.275	138	198	4.695	ng	88
65) 4,6-Dinitro-2-methylph...	10.539	198	54	6.970	ng	# 1
71) Phenanthrene	11.374	178	420136	21.453	ng	99
72) Anthracene	11.427	178	127847	6.375	ng	99
73) Carbazole	11.580	167	42464	2.374	ng	97
75) Fluoranthene	12.574	202	593108	28.787	ng	99
78) Pyrene	12.804	202	621793	21.904	ng	99
80) Butylbenzylphthalate	13.439	149	316	3.854	ng	# 2
81) Benzo(a)anthracene	14.033	228	275322	11.977	ng	94
83) Chrysene	14.033	228	275322	12.297	ng	97
87) Indeno(1,2,3-cd)pyrene	17.003	276	87286	6.201	ng	96
88) Benzo(b)fluoranthene	15.062	252	313913	21.249	ng	# 98
89) Benzo(k)fluoranthene	15.062	252	313913	21.635	ng	98
90) Benzo(a)pyrene	15.433	252	169463	12.446	ng	97
92) Benzo(g,h,i)perylene	17.462	276	83256	9.363	ng	96

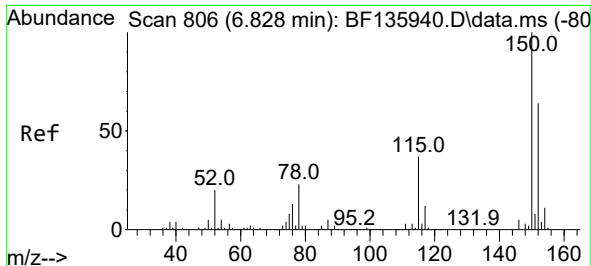
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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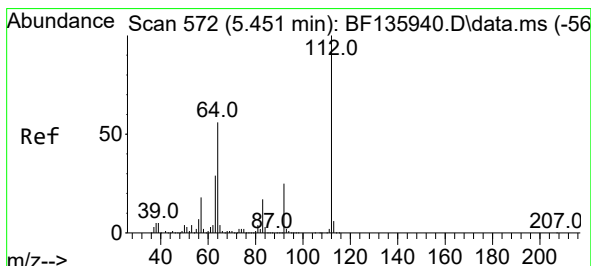
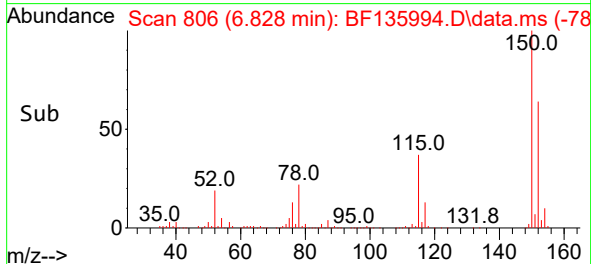
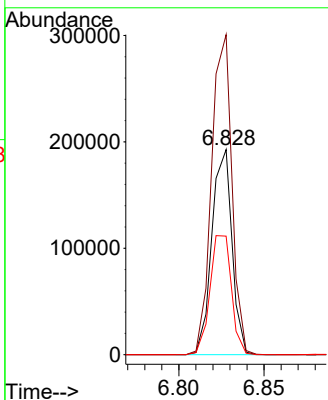
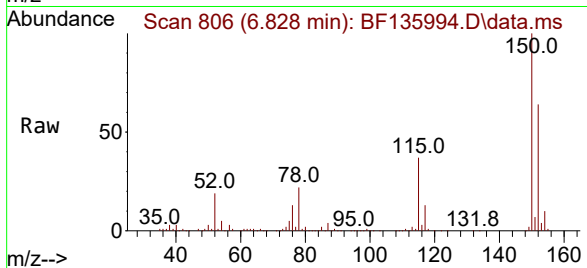




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

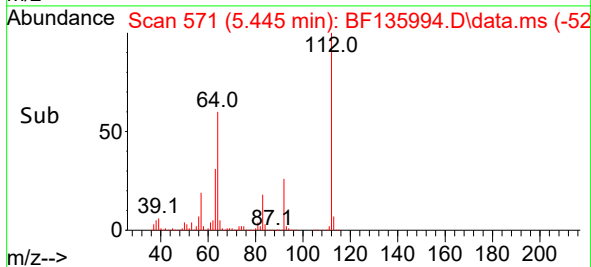
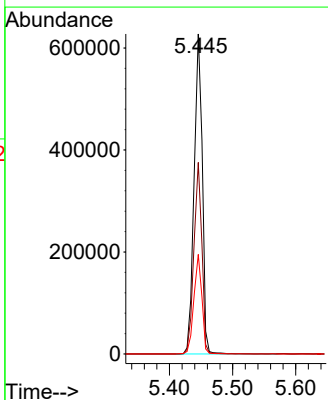
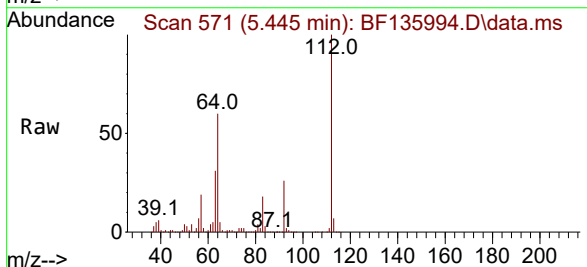
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

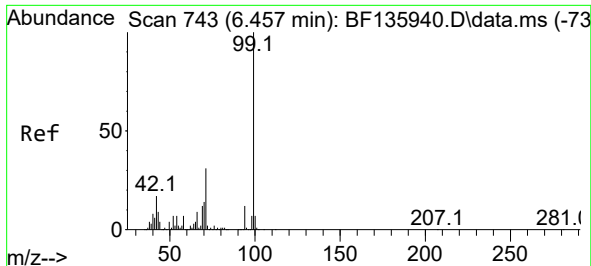
Tgt Ion:152 Resp: 158238
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 57.8 46.6 69.8



#5
2-Fluorophenol
Concen: 54.929 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:112 Resp: 562885
Ion Ratio Lower Upper
112 100
64 59.9 45.1 67.7
63 31.1 23.0 34.4

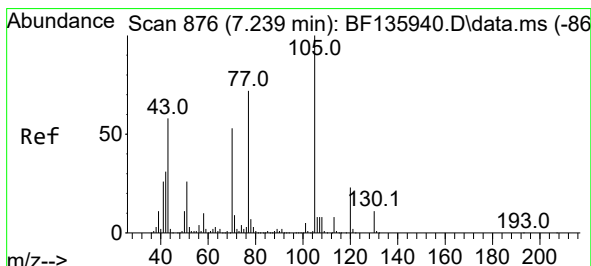
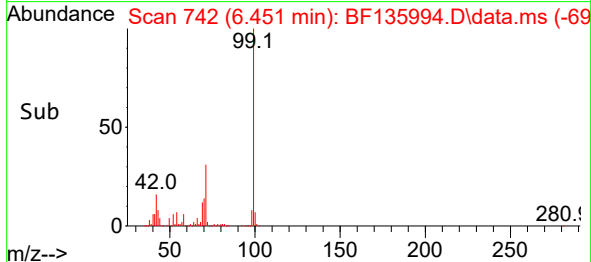
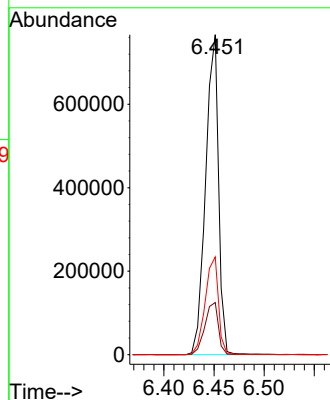
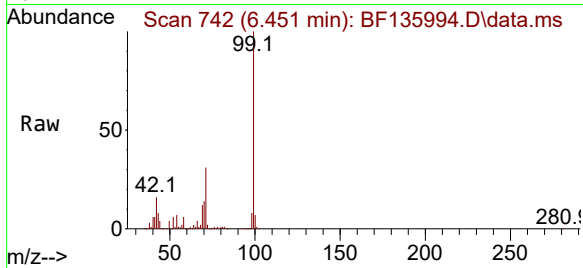




#7
Phenol-d6
Concen: 54.229 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

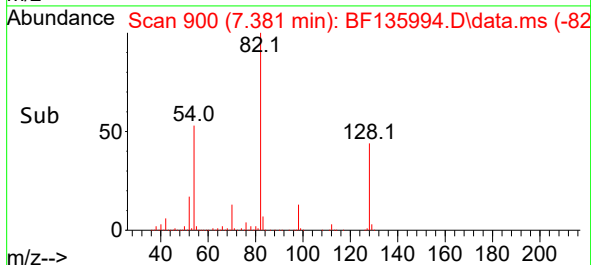
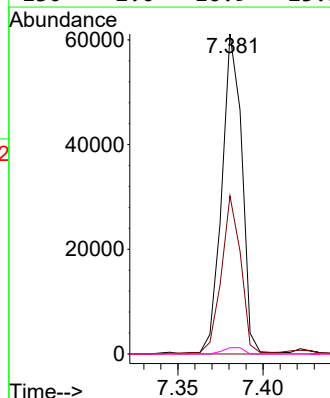
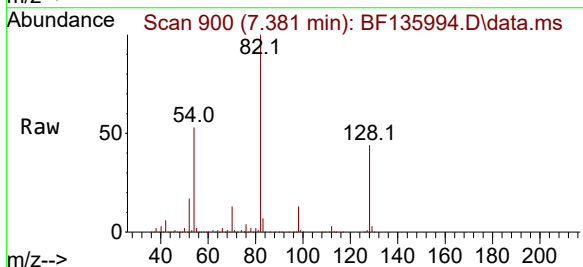
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

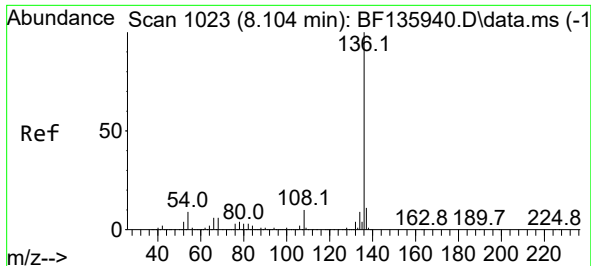
Tgt Ion: 99 Resp: 691839
Ion Ratio Lower Upper
99 100
42 16.3 13.8 20.8
71 30.6 25.1 37.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.897 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion: 70 Resp: 50035
Ion Ratio Lower Upper
70 100
42 49.4 47.3 70.9
101 0.0 7.8 11.8#
130 2.0 16.9 25.3#

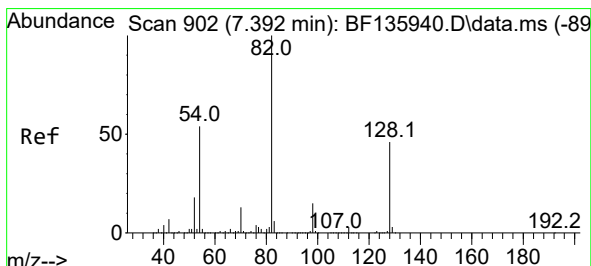
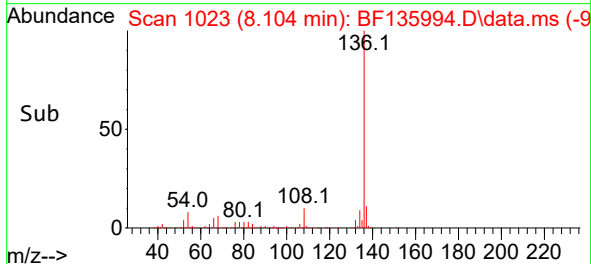
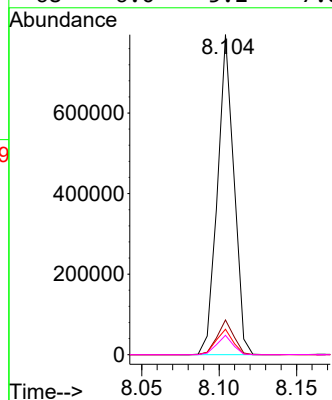
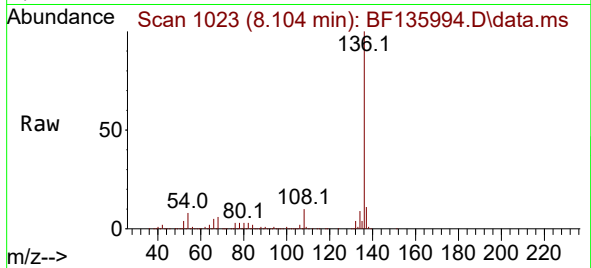




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

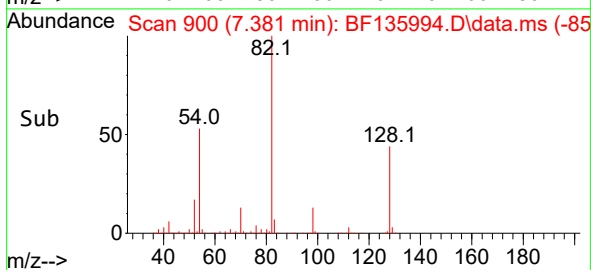
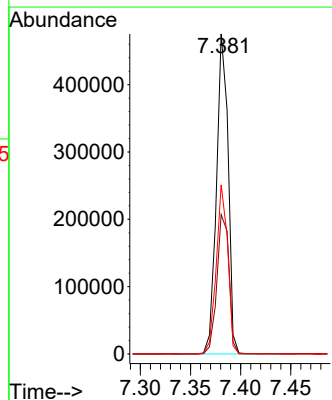
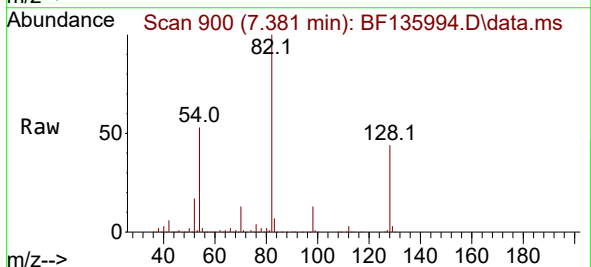
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

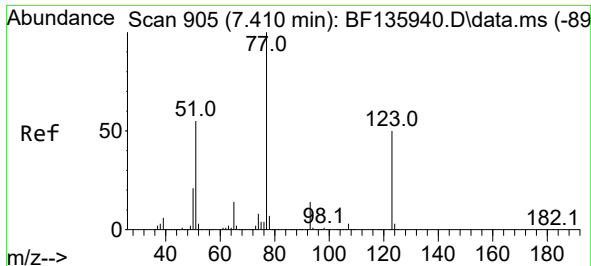
Tgt Ion:	136	Resp:	586751
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.0	7.1	10.7
68	6.0	5.2	7.8



#23
Nitrobenzene-d5
Concen: 47.213 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.011 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:	82	Resp:	384297
Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.8	55.2
54	52.9	43.4	65.0

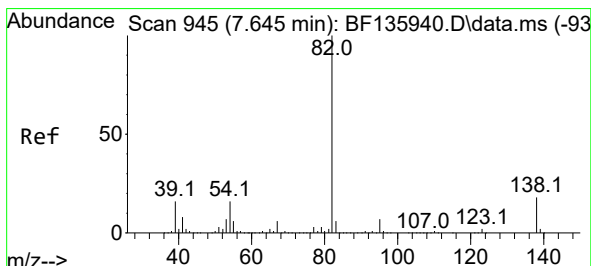
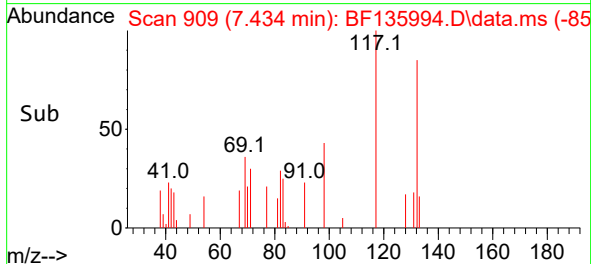
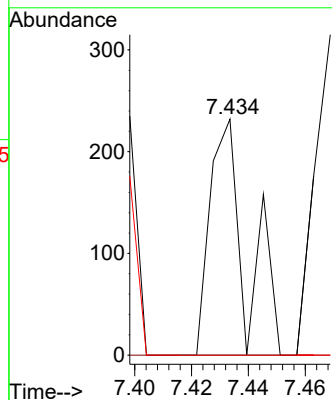
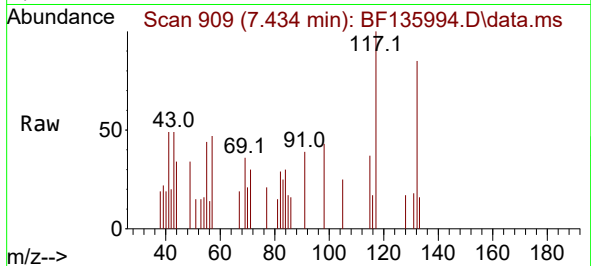




#24
Nitrobenzene
Concen: 2.602 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.024 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

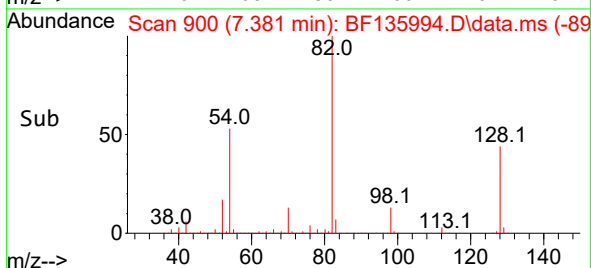
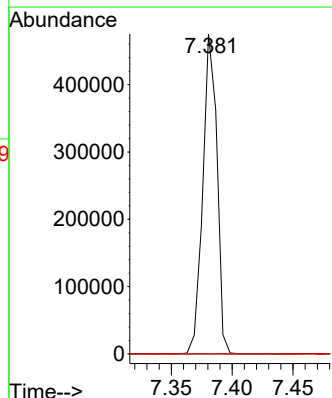
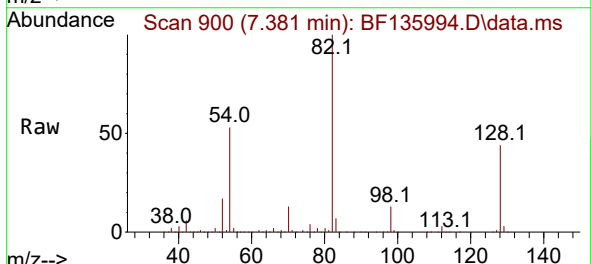
Instrument :
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ClientSampleId :
Q-4(0-5)

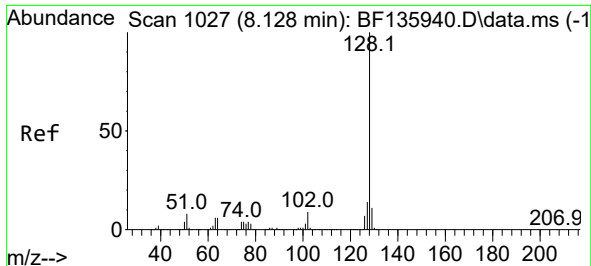
Tgt Ion: 77 Resp: 205
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 0.0 11.0 16.4#



#25
Isophorone
Concen: 20.715 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion: 82 Resp: 384197
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

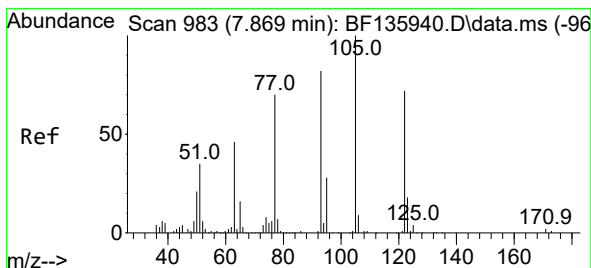
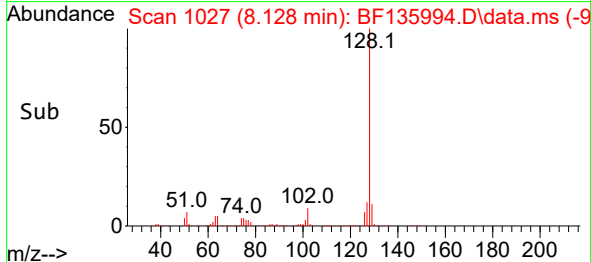
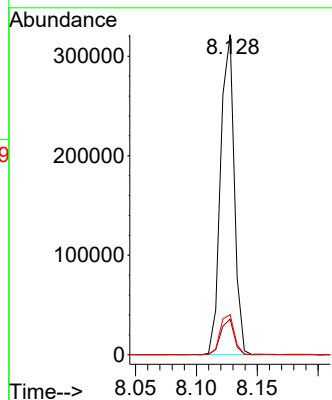
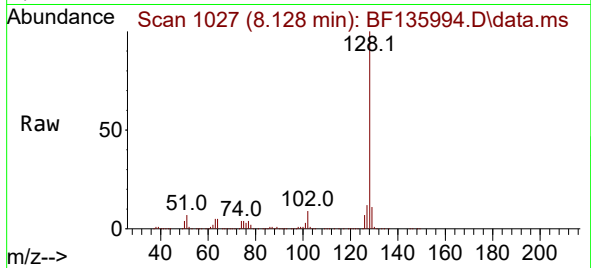




#31
Naphthalene
Concen: 8.871 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

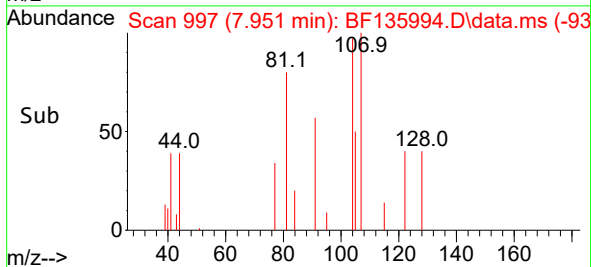
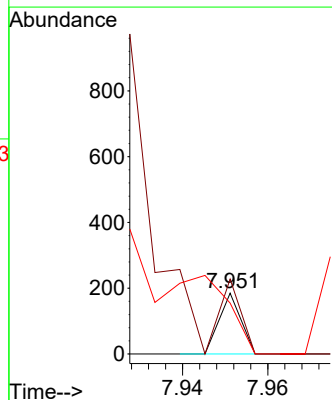
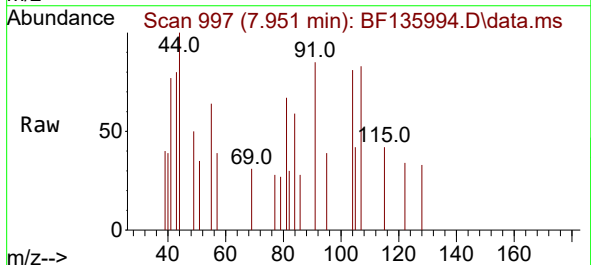
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ClientSampleId :
Q-4(0-5)

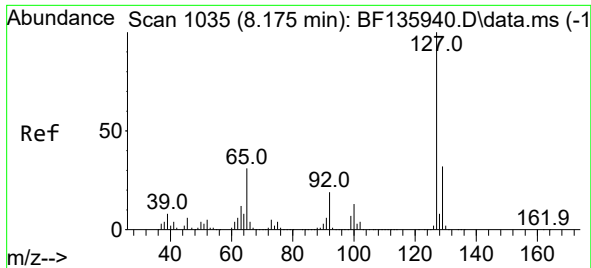
Tgt Ion:128 Resp: 251664
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.5 10.9 16.3



#32
Benzoic acid
Concen: 5.736 ng
RT: 7.951 min Scan# 997
Delta R.T. 0.082 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:122 Resp: 65
Ion Ratio Lower Upper
122 100
105 123.2 113.1 153.1
77 83.8 75.2 115.2

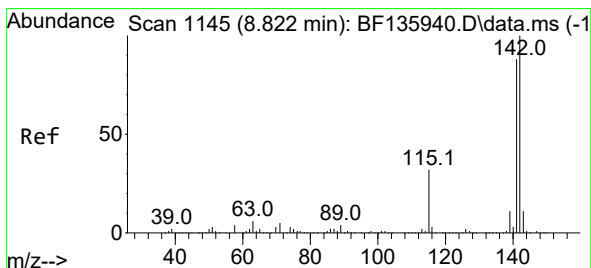
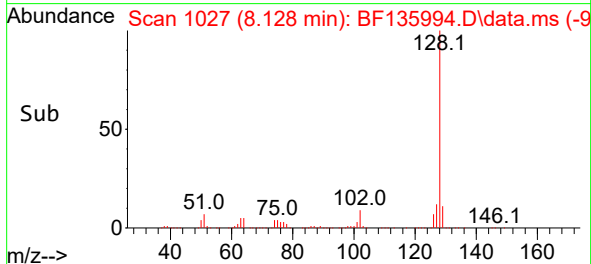
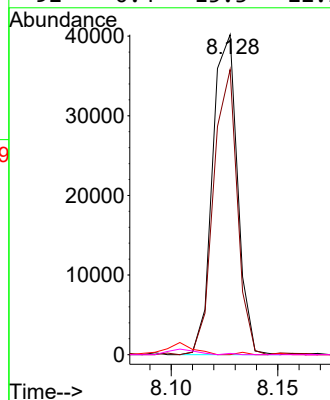
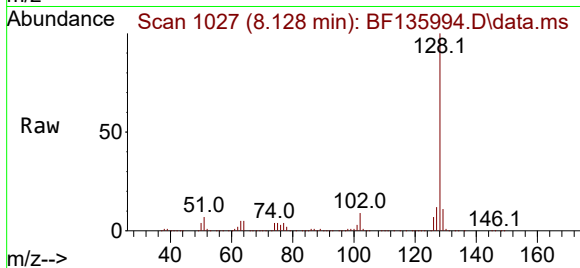




#33
4-Chloroaniline
Concen: 2.604 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.047 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

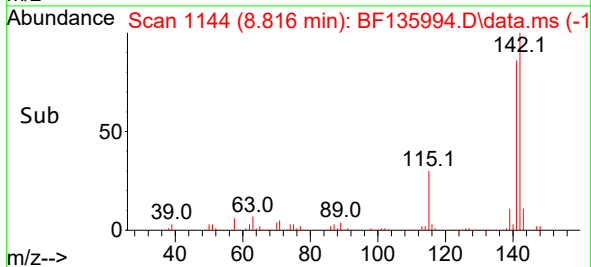
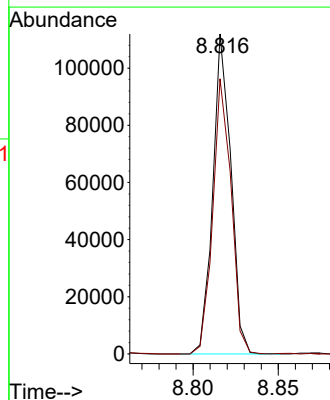
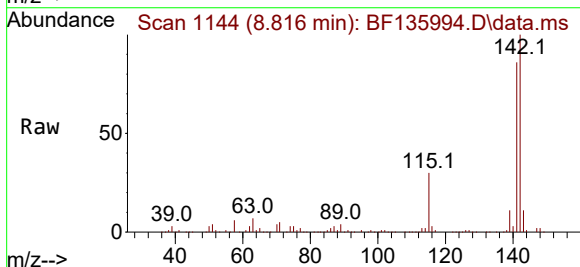
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

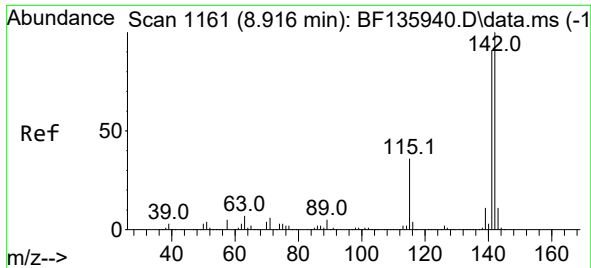
Tgt Ion:127	Resp:	32647
Ion	Ratio	Lower Upper
127	100	
129	89.1	25.7 38.5#
65	0.0	24.8 37.2#
92	0.4	15.3 22.9#



#37
2-Methylnaphthalene
Concen: 4.396 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:142	Resp:	82511
Ion	Ratio	Lower Upper
142	100	
141	86.0	70.4 105.6

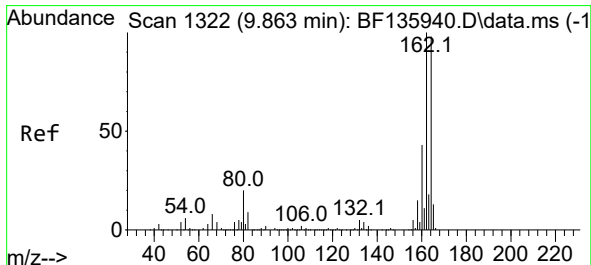
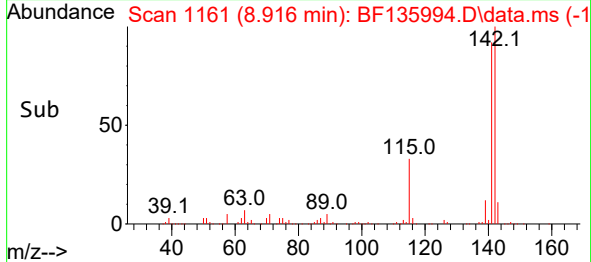
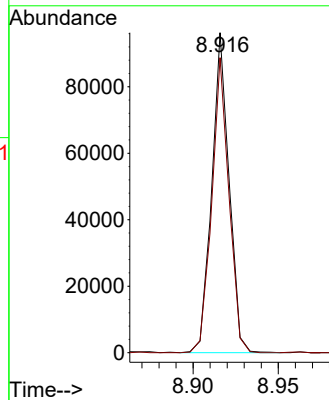
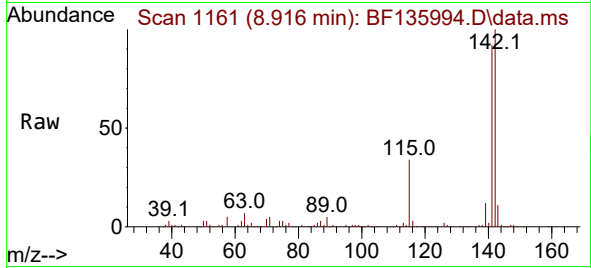




#38
1-Methylnaphthalene
Concen: 3.867 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

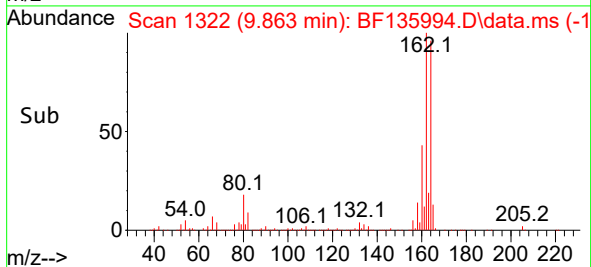
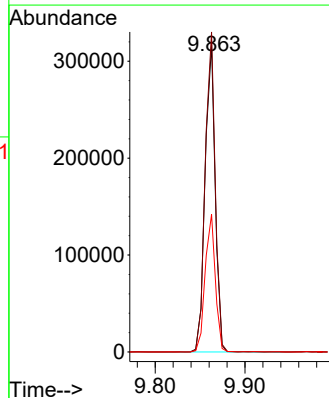
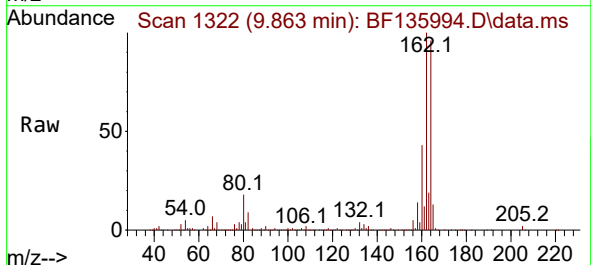
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

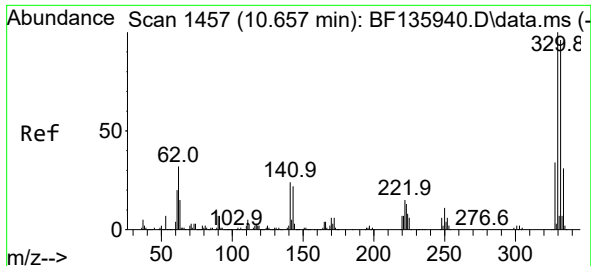
Tgt Ion:142 Resp: 67820
Ion Ratio Lower Upper
142 100
141 92.2 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:164 Resp: 248508
Ion Ratio Lower Upper
164 100
162 104.1 82.0 123.0
160 44.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 50.846 ng

RT: 10.651 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)

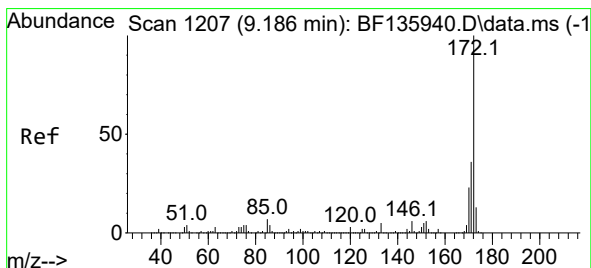
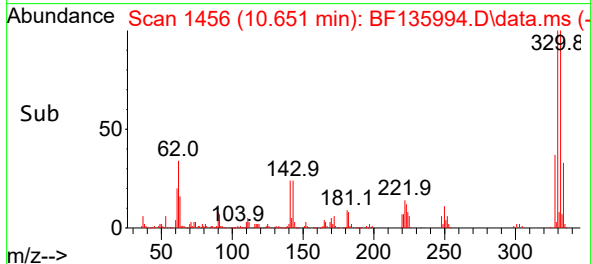
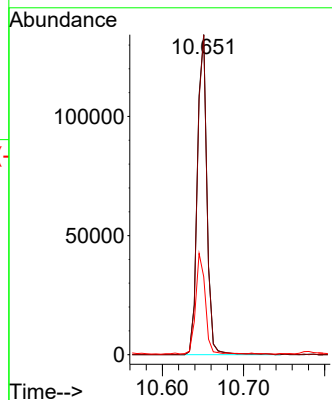
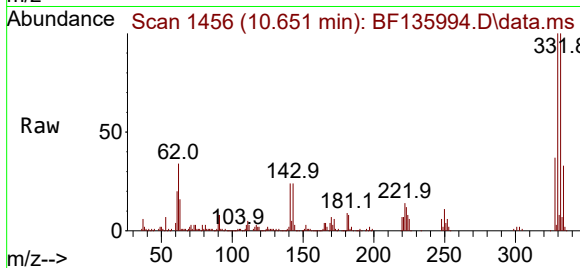
Tgt Ion:330 Resp: 110600

Ion Ratio Lower Upper

330 100

332 99.2 77.4 116.2

141 32.2 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 45.640 ng

RT: 9.180 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

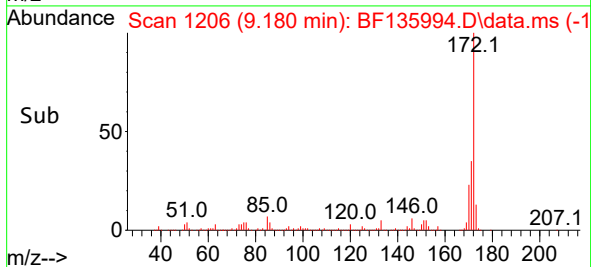
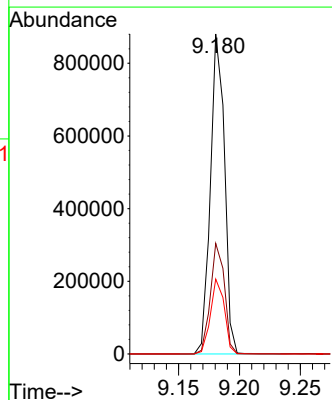
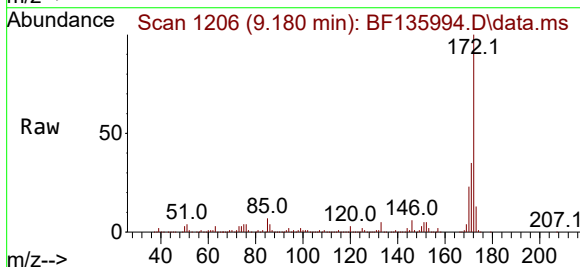
Tgt Ion:172 Resp: 708316

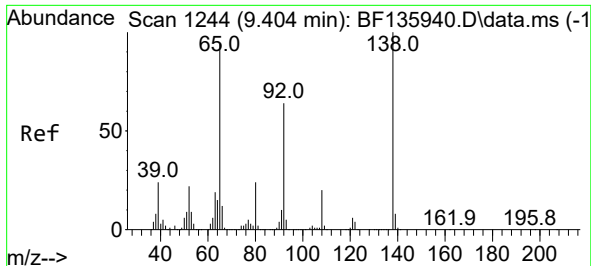
Ion Ratio Lower Upper

172 100

171 34.5 28.6 43.0

170 23.4 18.6 28.0

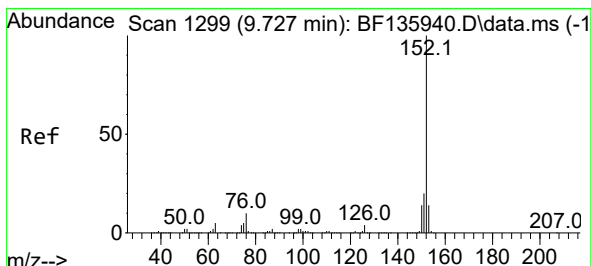
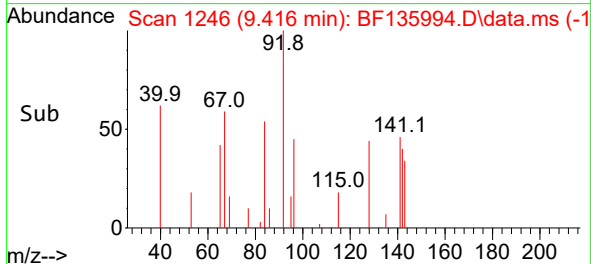
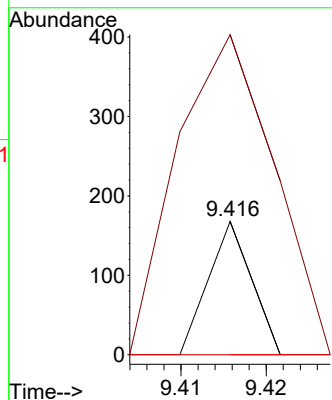
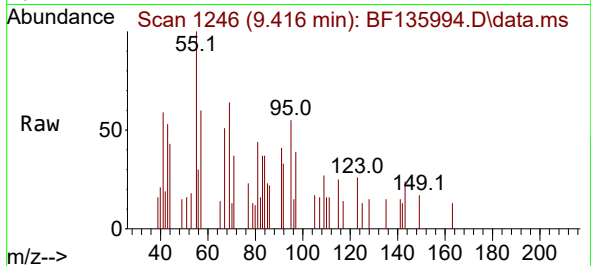




#48
2-Nitroaniline
Concen: 4.226 ng
RT: 9.416 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

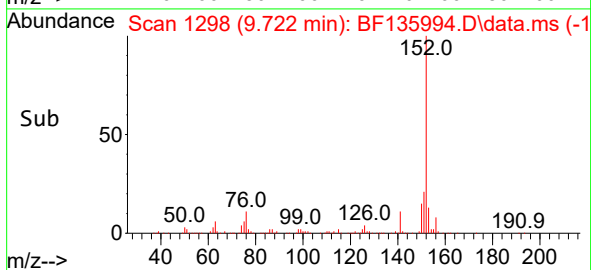
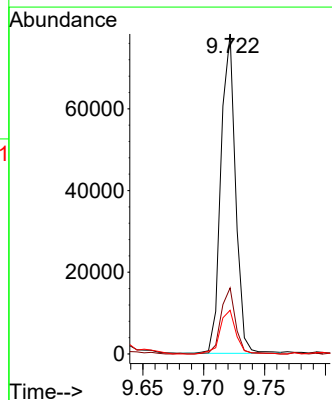
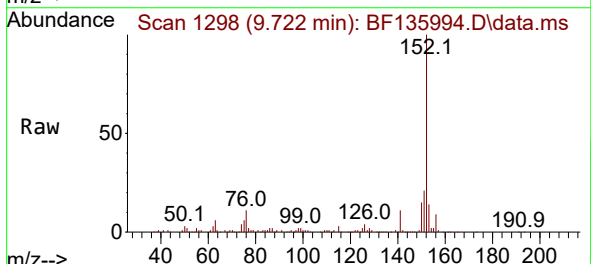
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

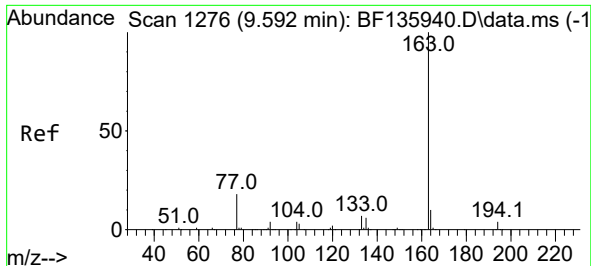
Tgt Ion: 65 Resp: 59
Ion Ratio Lower Upper
65 100
92 239.9 54.9 82.3#
138 0.0 85.2 127.8#



#49
Acenaphthylene
Concen: 2.984 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion: 152 Resp: 65568
Ion Ratio Lower Upper
152 100
151 20.7 16.0 24.0
153 13.7 11.0 16.6

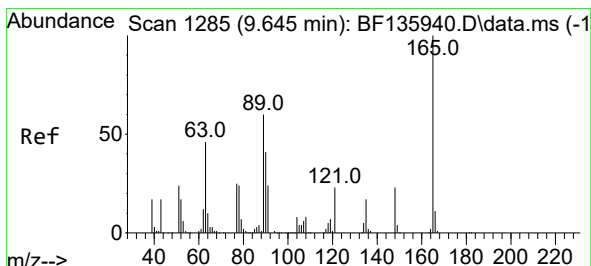
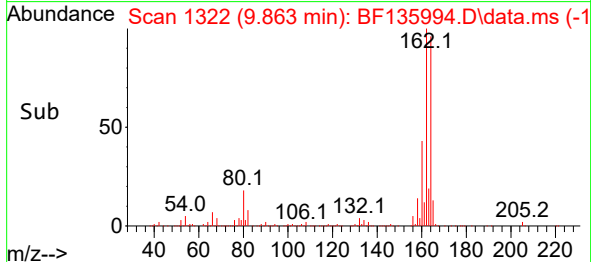
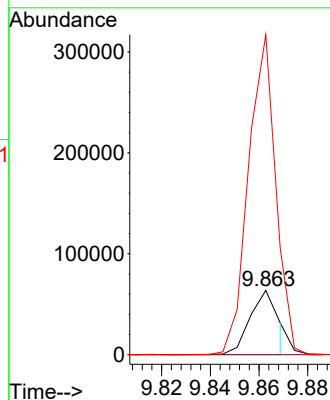
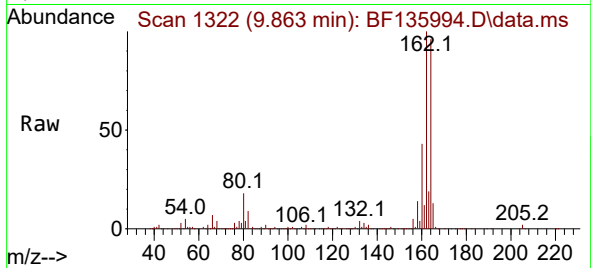




#50
Dimethylphthalate
Concen: 3.161 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

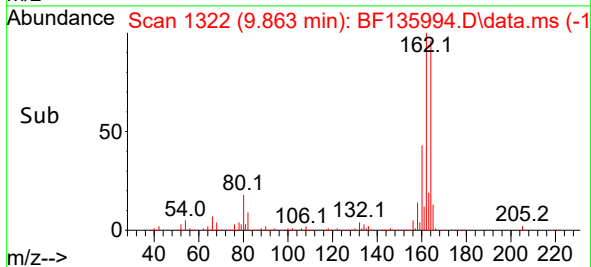
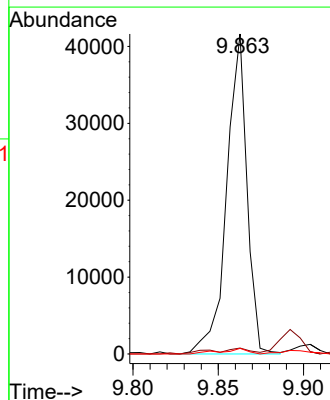
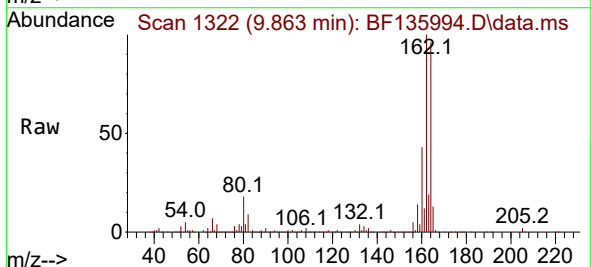
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

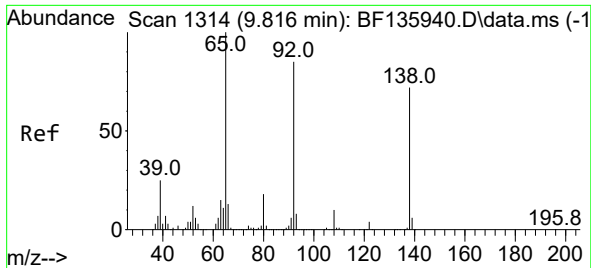
Tgt Ion:163 Resp: 50944
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 497.7 8.3 12.5#



#51
2,6-Dinitrotoluene
Concen: 14.152 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.218 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:165 Resp: 34537
Ion Ratio Lower Upper
165 100
63 1.8 51.7 77.5#
89 1.7 48.3 72.5#

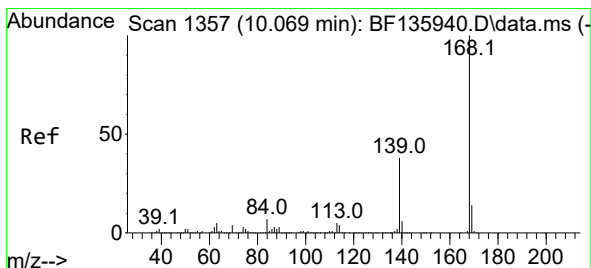
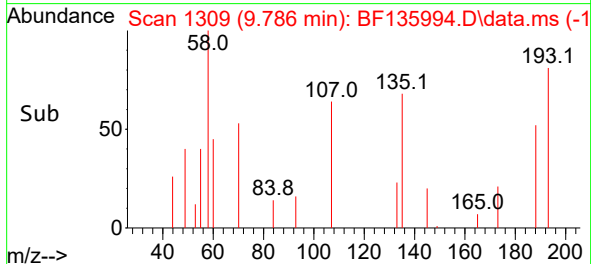
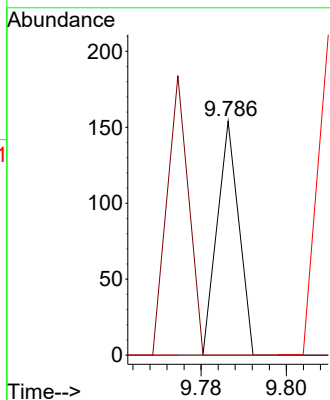
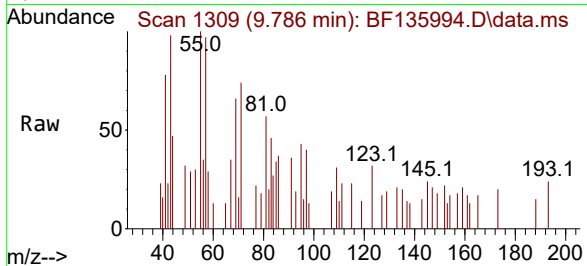




#53
3-Nitroaniline
Concen: 4.574 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

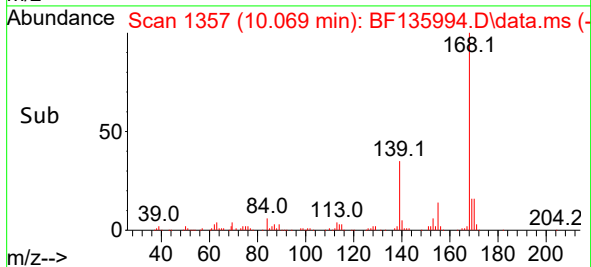
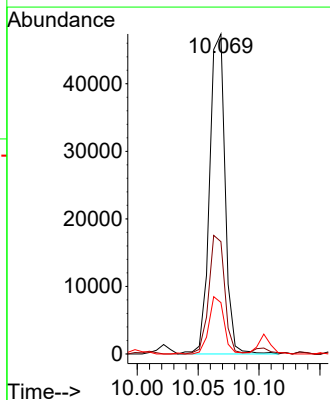
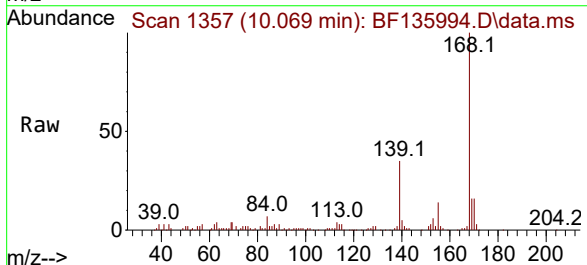
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

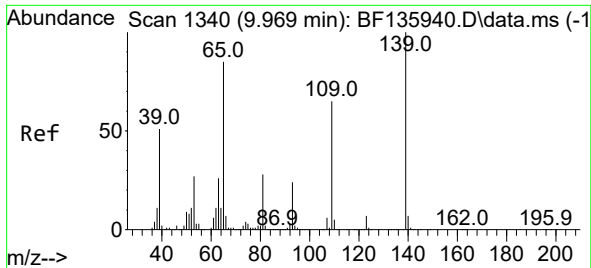
Tgt Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 95.0 142.6#



#55
Dibenzofuran
Concen: 2.060 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:168 Resp: 41915
Ion Ratio Lower Upper
168 100
139 35.1 30.7 46.1
169 16.1 11.1 16.7

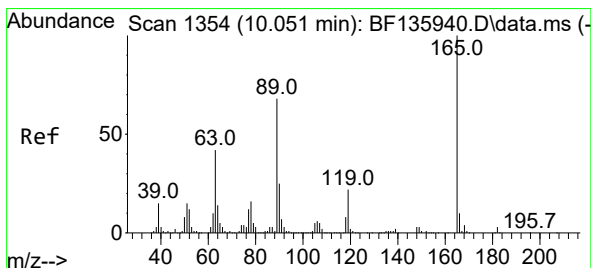
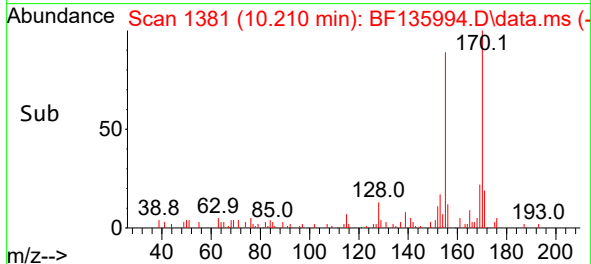
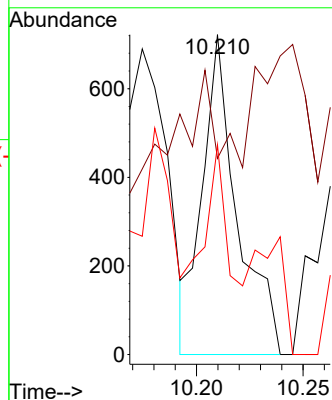
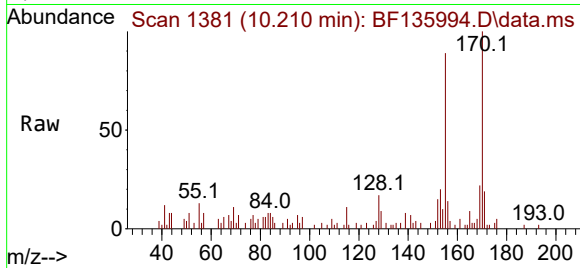




#56
4-Nitrophenol
Concen: 6.416 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.241 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

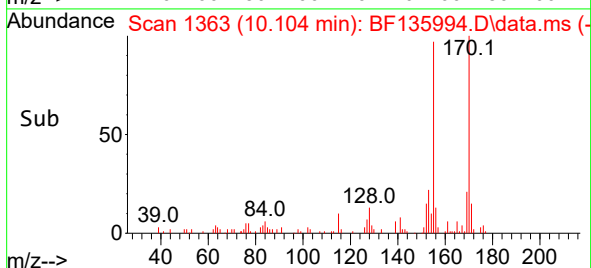
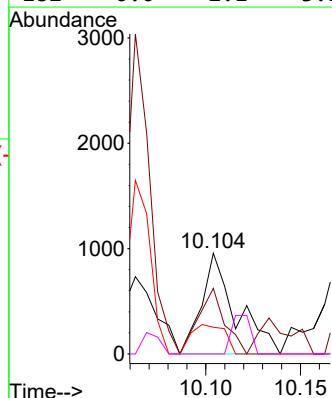
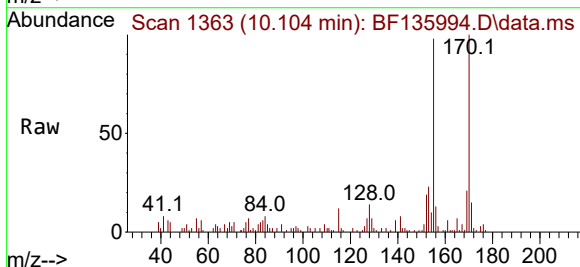
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

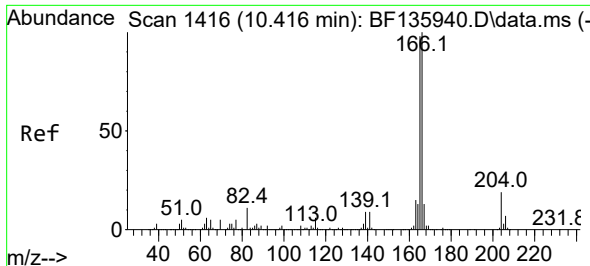
Tgt Ion:139 Resp: 818
Ion Ratio Lower Upper
139 100
109 61.4 45.2 85.2
65 65.5 65.1 105.1



#57
2,4-Dinitrotoluene
Concen: 6.084 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.053 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:165 Resp: 1207
Ion Ratio Lower Upper
165 100
63 65.1 33.7 50.5#
89 26.5 54.6 81.8#
182 0.0 2.1 3.1#

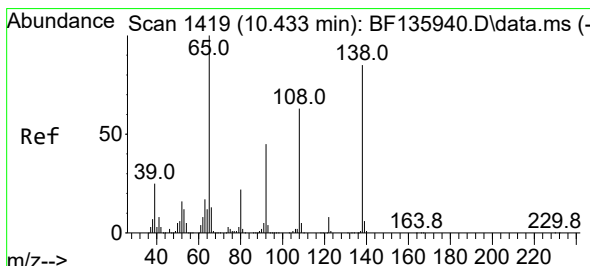
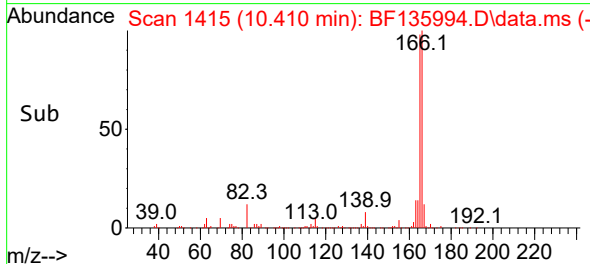
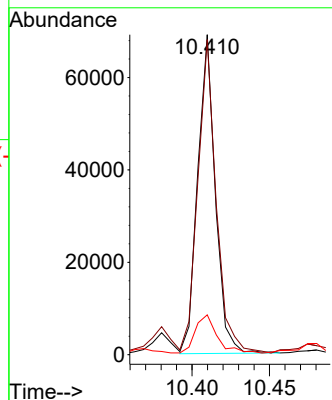
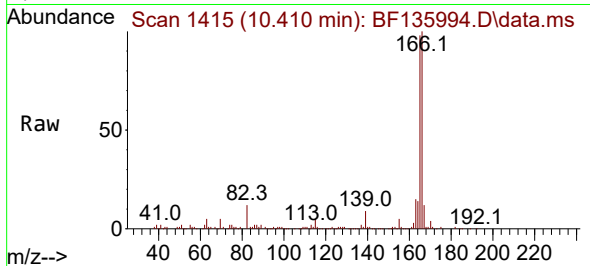




#58
Fluorene
Concen: 3.591 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

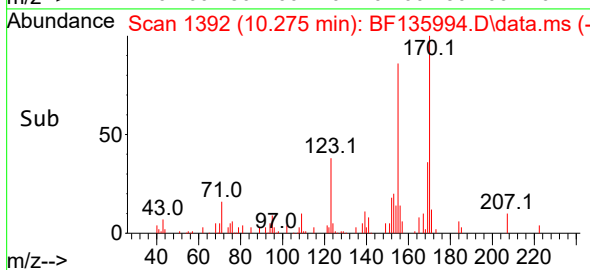
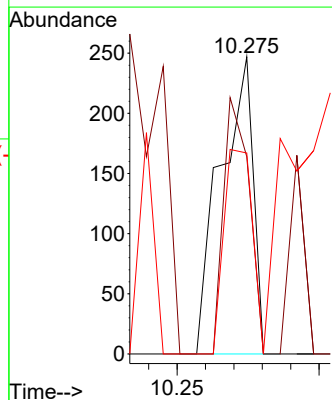
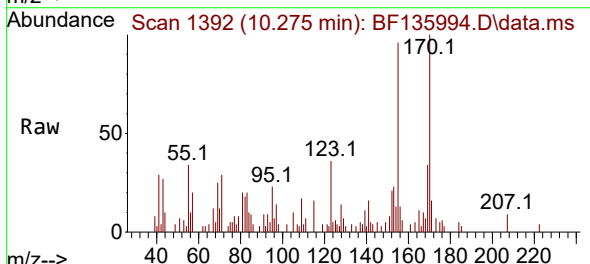
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

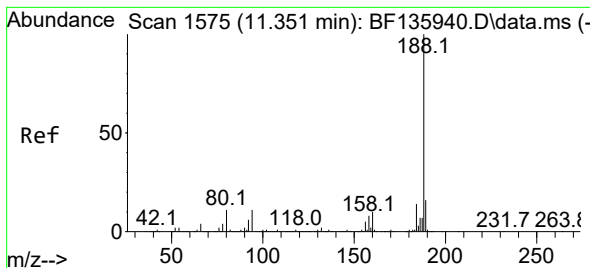
Tgt Ion:166 Resp: 54661
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 12.5 10.6 16.0



#62
4-Nitroaniline
Concen: 4.695 ng
RT: 10.275 min Scan# 1392
Delta R.T. -0.158 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:138 Resp: 198
Ion Ratio Lower Upper
138 100
92 66.4 32.9 72.9
108 67.6 53.5 93.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)

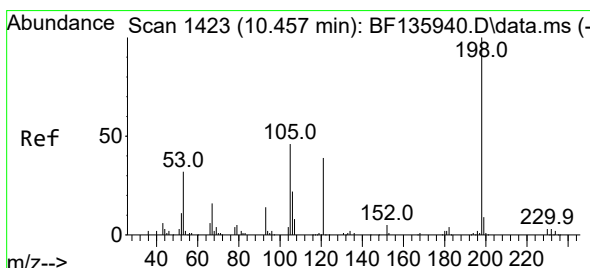
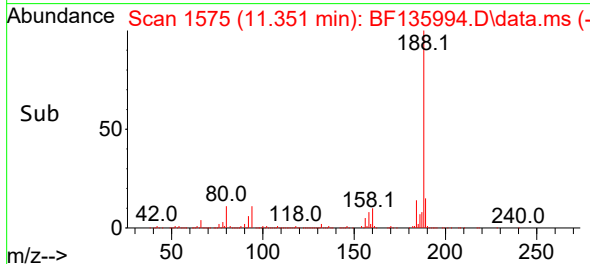
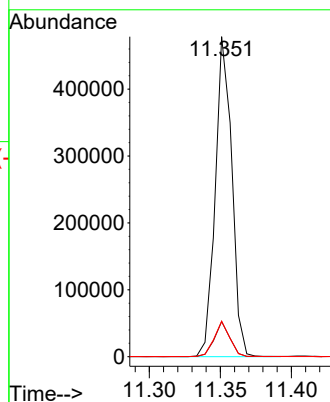
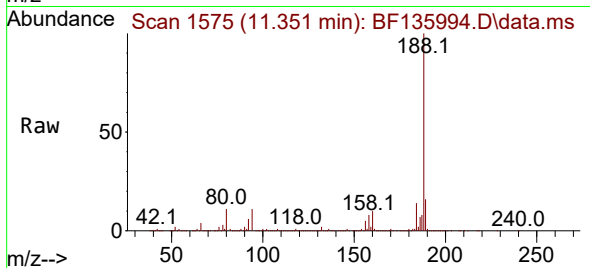
Tgt Ion:188 Resp: 387100

Ion Ratio Lower Upper

188 100

94 10.9 8.6 13.0

80 11.1 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 6.970 ng

RT: 10.539 min Scan# 1437

Delta R.T. 0.082 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

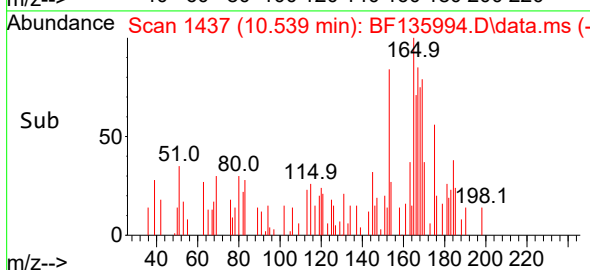
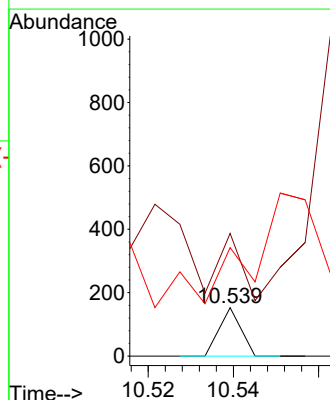
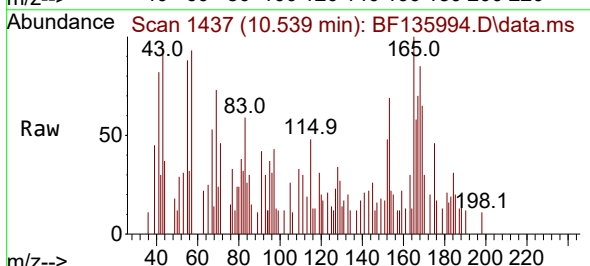
Tgt Ion:198 Resp: 54

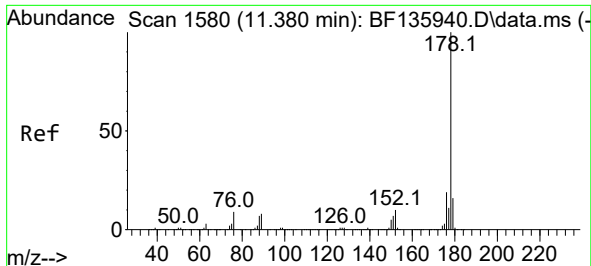
Ion Ratio Lower Upper

198 100

51 252.9 28.7 68.7#

105 223.5 27.2 67.2#

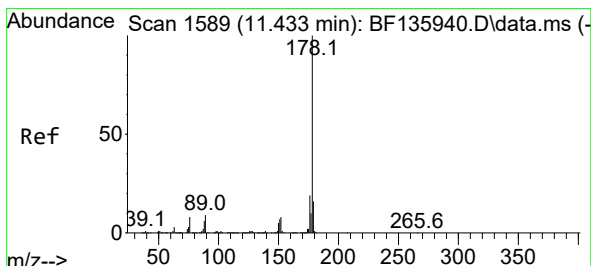
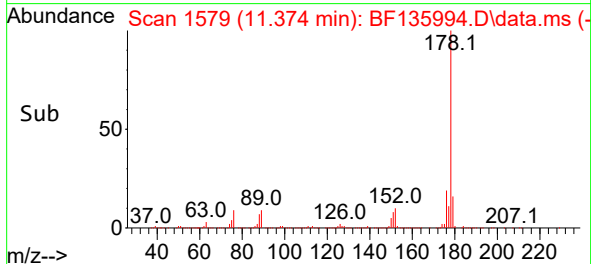
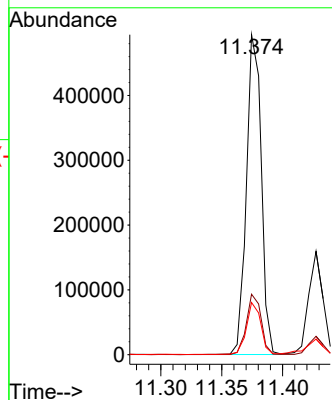
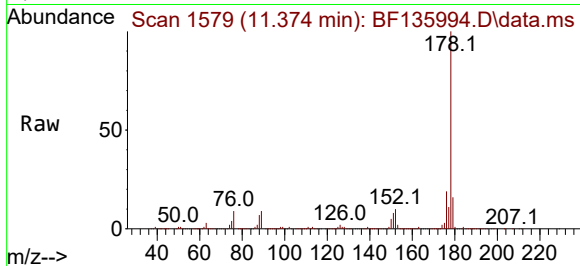




#71
Phenanthrene
Concen: 21.453 ng
RT: 11.374 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

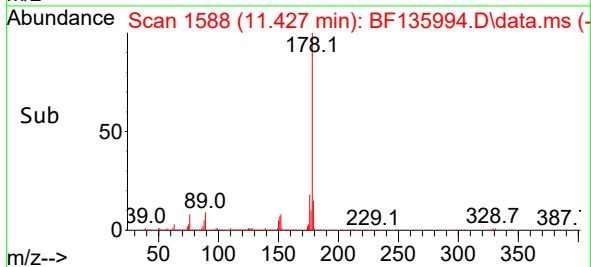
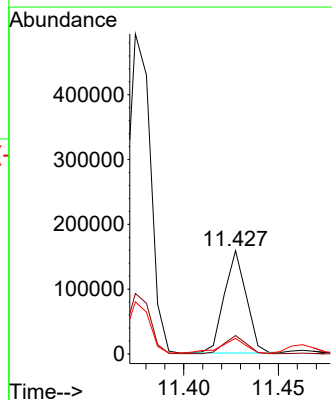
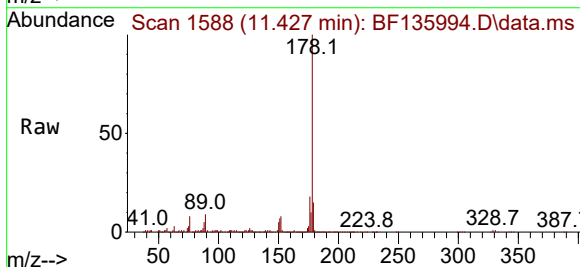
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

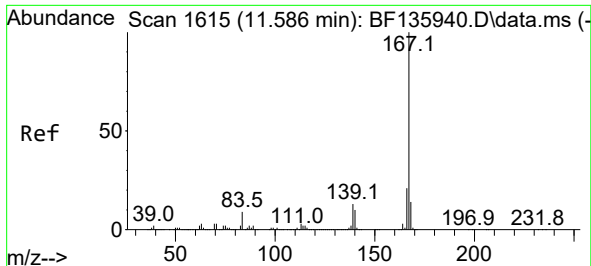
Tgt Ion:178 Resp: 420136
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.3 12.5 18.7



#72
Anthracene
Concen: 6.375 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:178 Resp: 127847
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 15.1 12.5 18.7

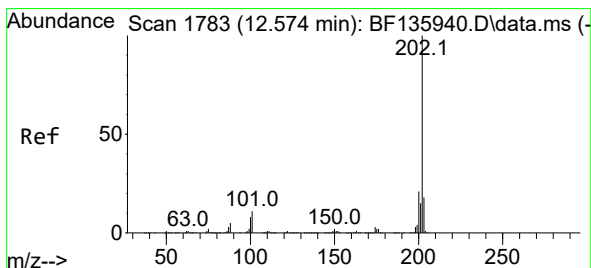
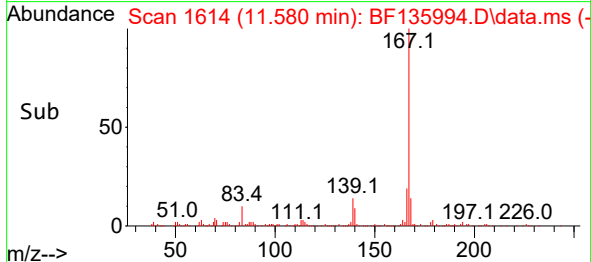
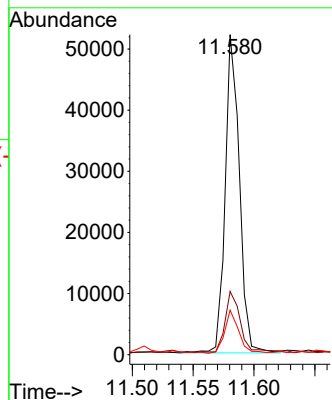
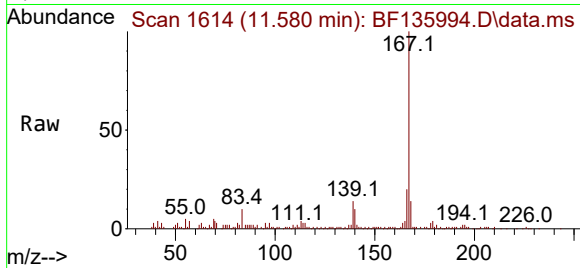




#73
 Carbazole
 Concen: 2.374 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. -0.006 min
 Lab File: BF135994.D
 Acq: 27 Oct 2023 20:08

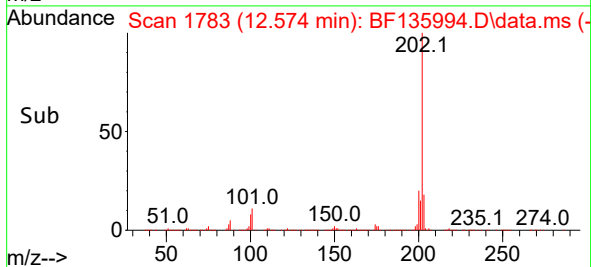
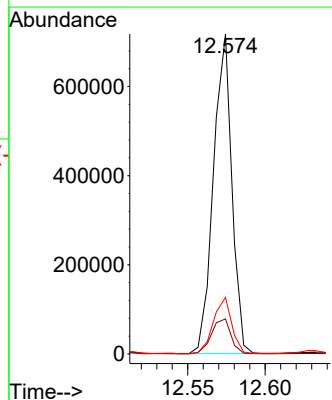
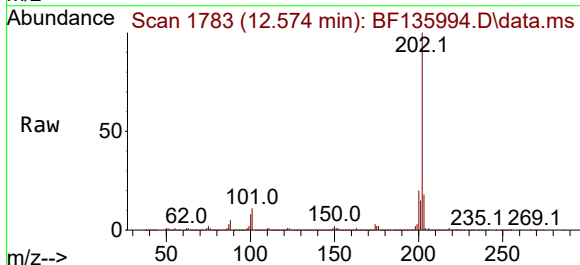
Instrument :
 BNA_F
 ClientSampleId :
 Q-4(0-5)

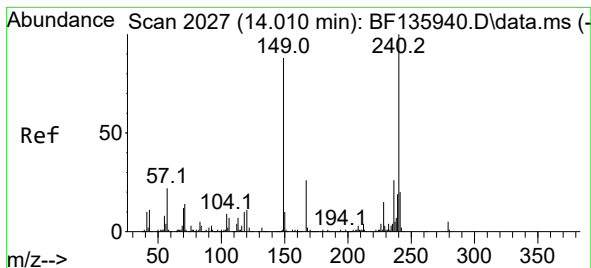
Tgt Ion:167 Resp: 42464
 Ion Ratio Lower Upper
 167 100
 166 19.8 17.0 25.6
 139 13.9 10.4 15.6



#75
 Fluoranthene
 Concen: 28.787 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. 0.000 min
 Lab File: BF135994.D
 Acq: 27 Oct 2023 20:08

Tgt Ion:202 Resp: 593108
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 30.6
 203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)

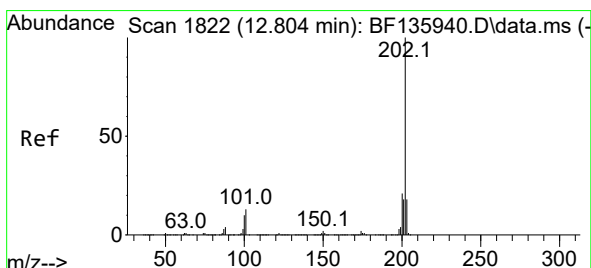
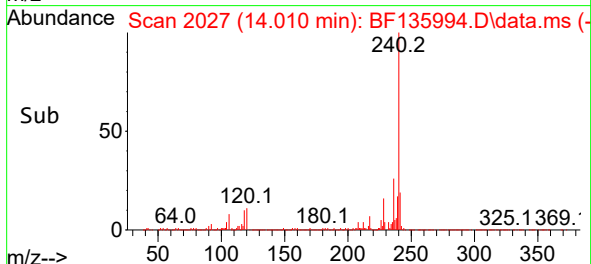
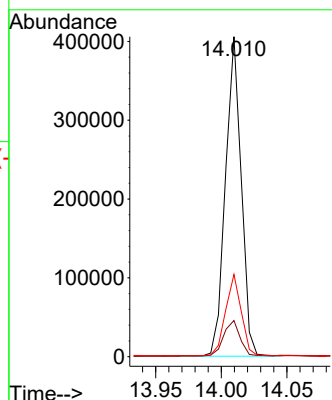
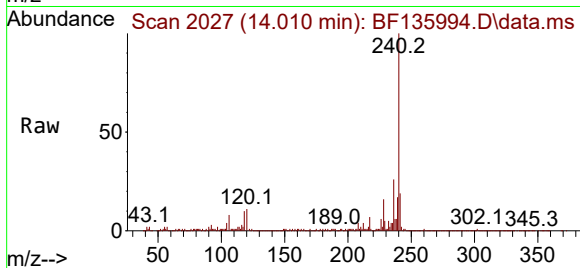
Tgt Ion:240 Resp: 338086

Ion Ratio Lower Upper

240 100

120 11.3 8.6 13.0

236 25.7 20.6 30.8



#78

Pyrene

Concen: 21.904 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

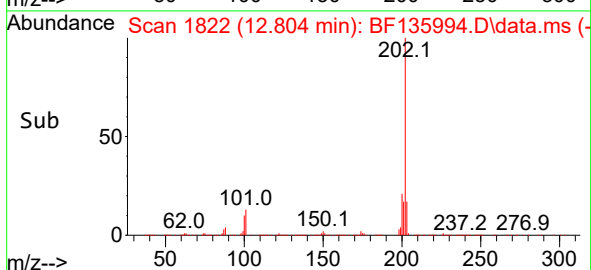
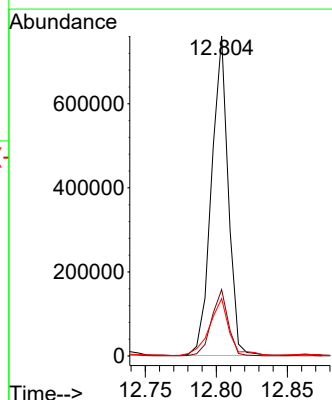
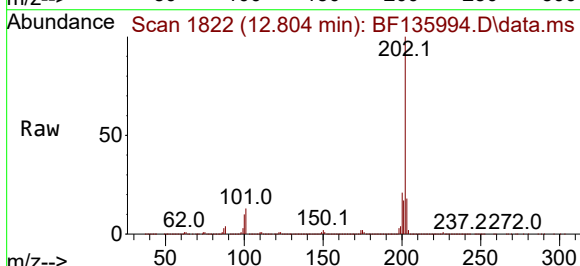
Tgt Ion:202 Resp: 621793

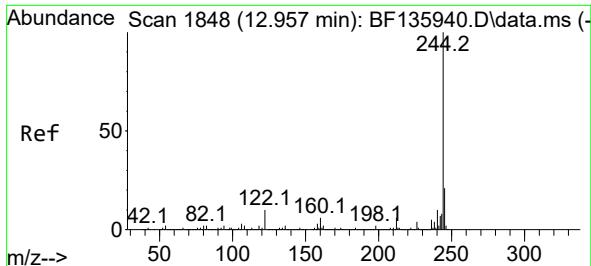
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 17.9 14.5 21.7

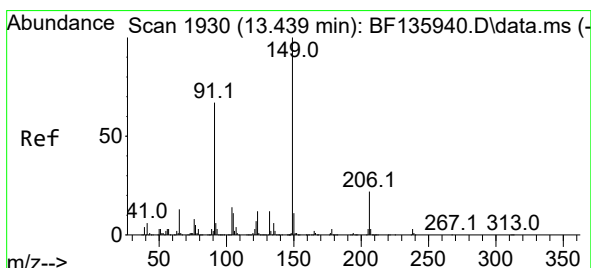
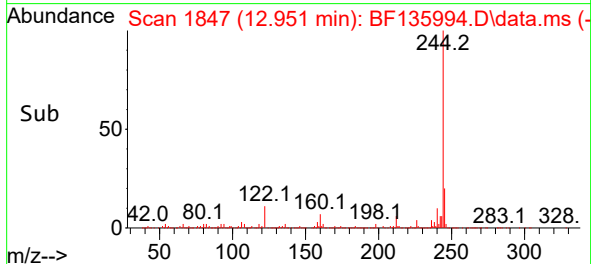
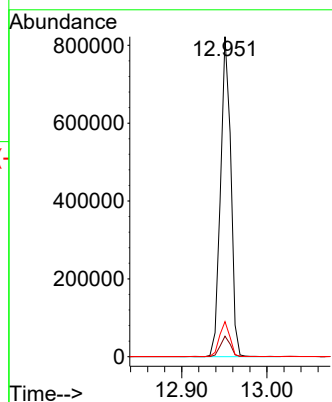
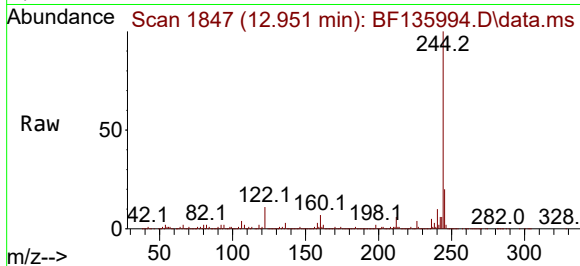




#79
 Terphenyl-d14
 Concen: 34.050 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF135994.D
 Acq: 27 Oct 2023 20:08

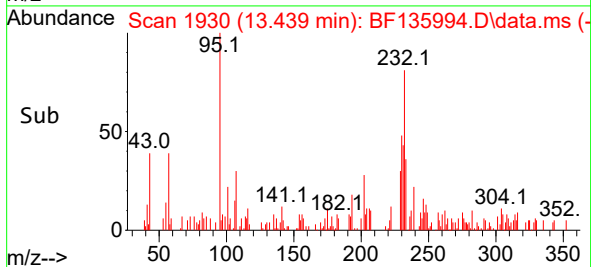
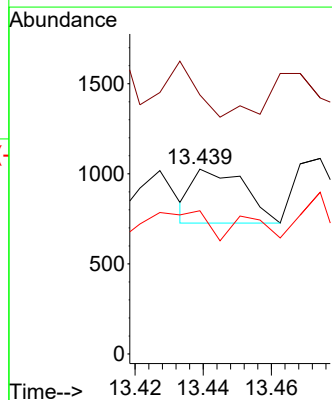
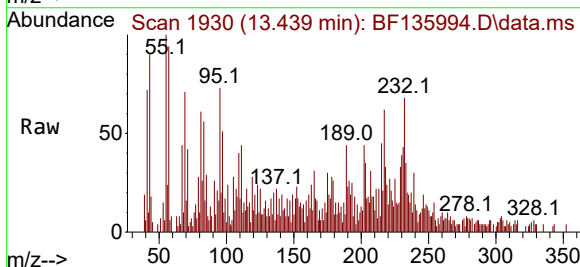
Instrument :
 BNA_F
 ClientSampleId :
 Q-4(0-5)

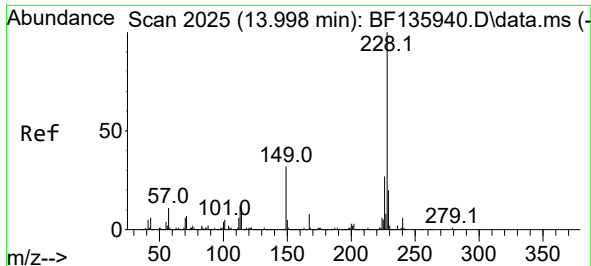
Tgt Ion:244 Resp: 689021
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.6
 122 10.9 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 3.854 ng
 RT: 13.439 min Scan# 1930
 Delta R.T. 0.000 min
 Lab File: BF135994.D
 Acq: 27 Oct 2023 20:08

Tgt Ion:149 Resp: 316
 Ion Ratio Lower Upper
 149 100
 91 140.2 53.4 80.0#
 206 77.5 17.5 26.3#

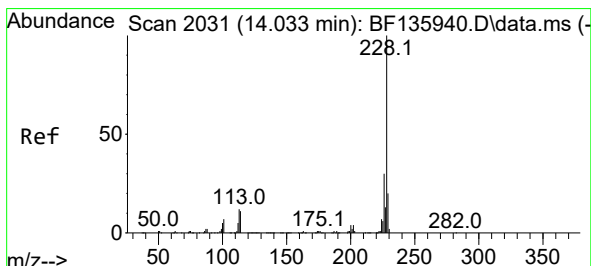
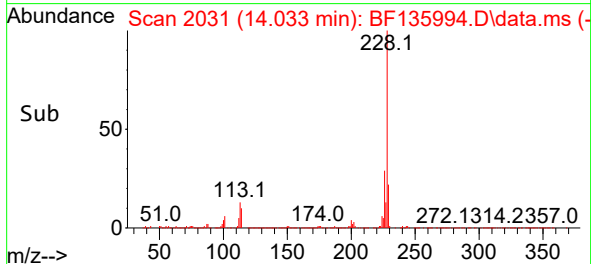
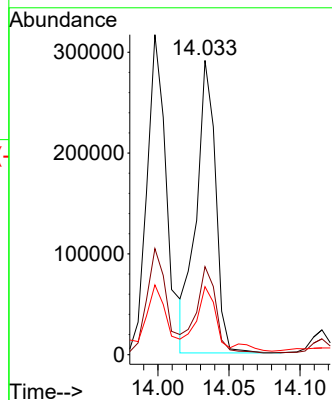
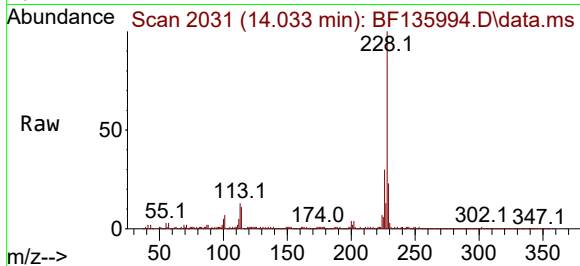




#81
Benzo(a)anthracene
Concen: 11.977 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.035 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

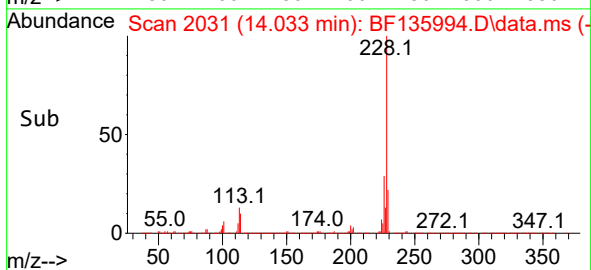
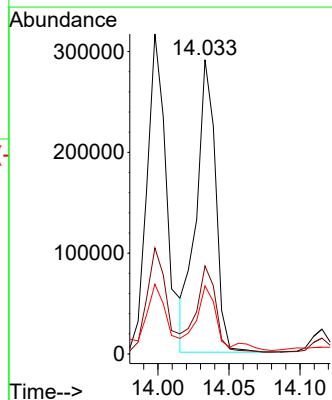
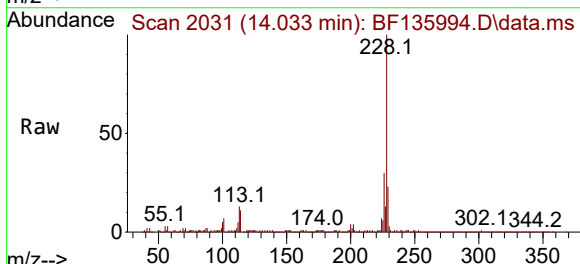
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

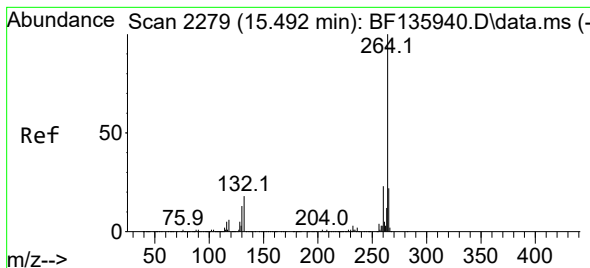
Tgt Ion:228 Resp: 275322
Ion Ratio Lower Upper
228 100
226 29.9 21.8 32.6
229 23.1 16.2 24.4



#83
Chrysene
Concen: 12.297 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:228 Resp: 275322
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 23.1 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)

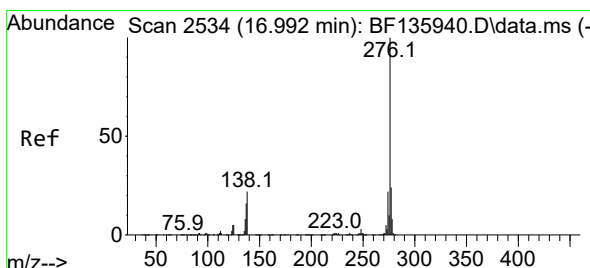
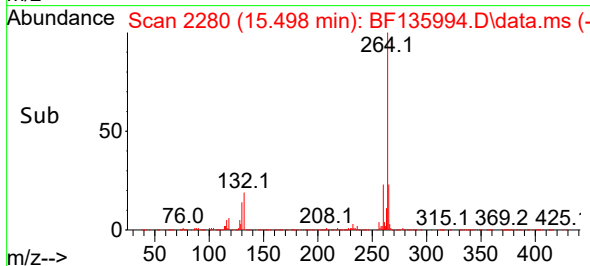
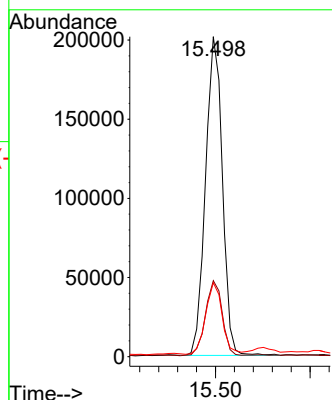
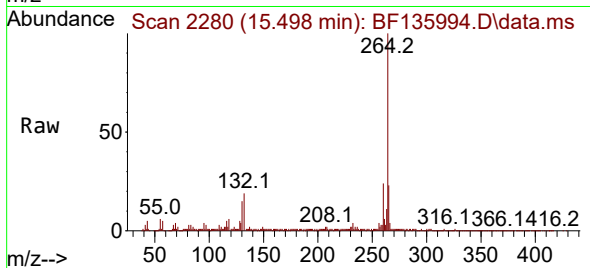
Tgt Ion:264 Resp: 248240

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 23.1 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.201 ng

RT: 17.003 min Scan# 2536

Delta R.T. 0.011 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

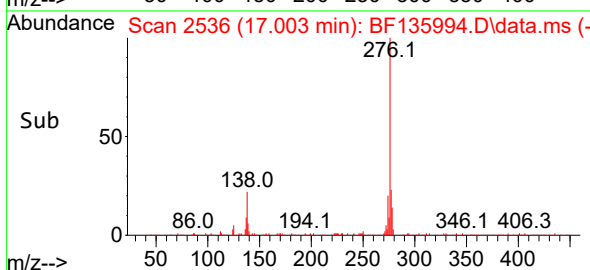
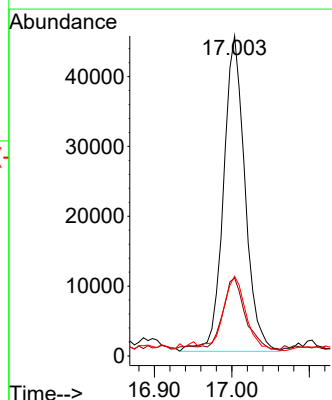
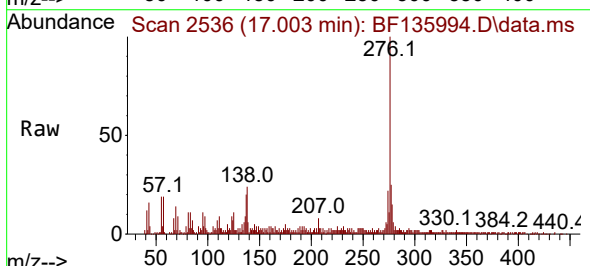
Tgt Ion:276 Resp: 87286

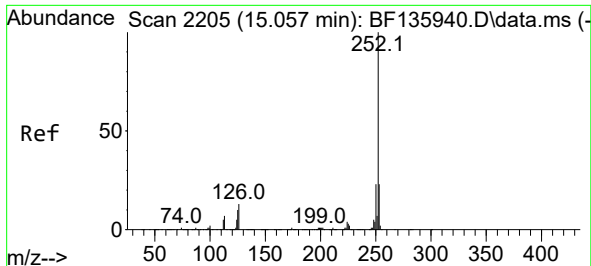
Ion Ratio Lower Upper

276 100

138 23.3 21.8 32.6

277 24.4 20.0 30.0

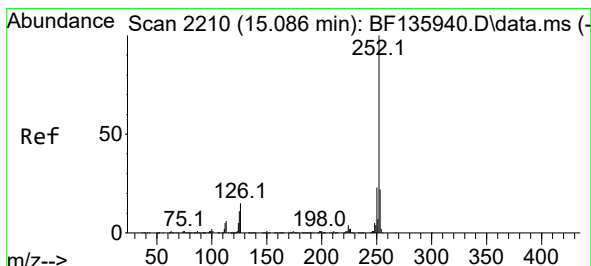
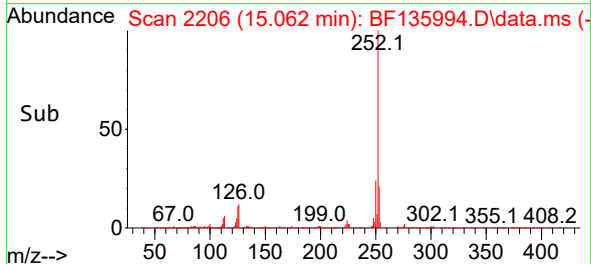
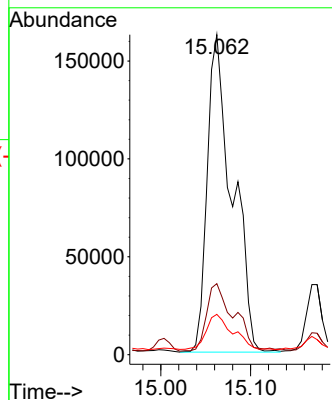
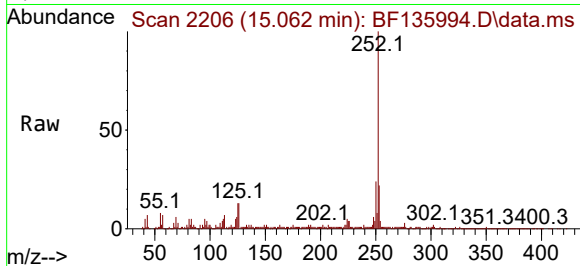




#88
Benzo(b)fluoranthene
Concen: 21.249 ng
RT: 15.062 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

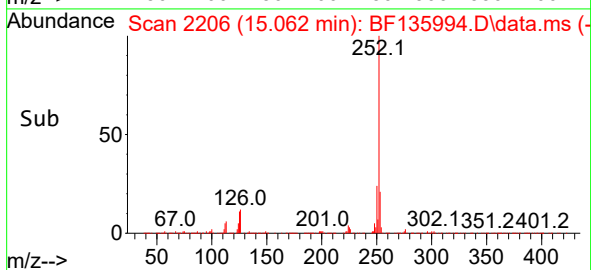
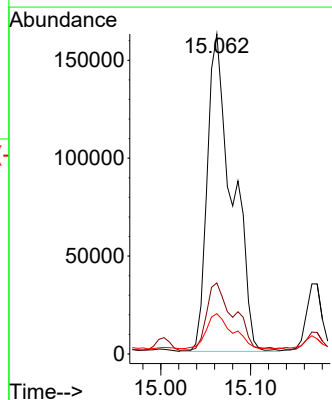
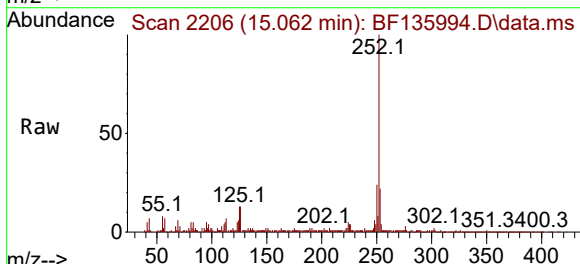
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)

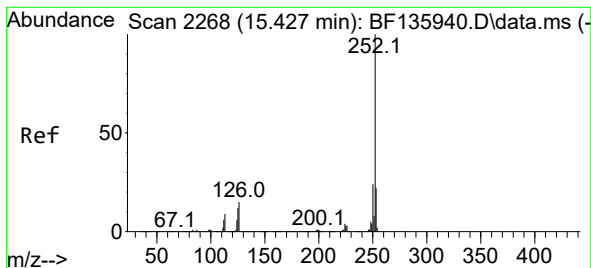
Tgt Ion:252 Resp: 313913
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 12.6 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 21.635 ng
RT: 15.062 min Scan# 2206
Delta R.T. -0.024 min
Lab File: BF135994.D
Acq: 27 Oct 2023 20:08

Tgt Ion:252 Resp: 313913
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 12.6 8.5 12.7





#90

Benzo(a)pyrene

Concen: 12.446 ng

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)

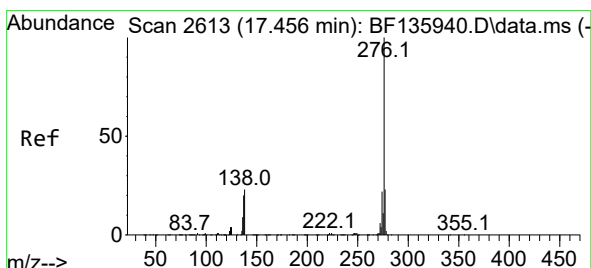
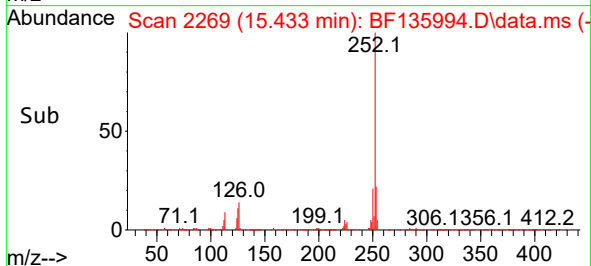
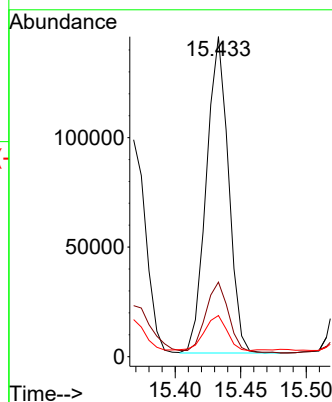
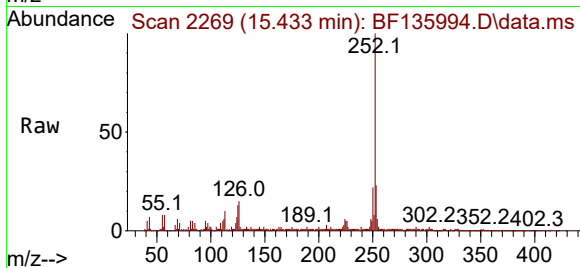
Tgt Ion:252 Resp: 169463

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 12.9 9.6 14.4



#92

Benzo(g,h,i)perylene

Concen: 9.363 ng

RT: 17.462 min Scan# 2614

Delta R.T. 0.006 min

Lab File: BF135994.D

Acq: 27 Oct 2023 20:08

Tgt Ion:276 Resp: 83256

Ion Ratio Lower Upper

276 100

277 27.1 18.6 28.0

138 23.3 18.4 27.6

