

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135995.D
 Acq On : 27 Oct 2023 20:39
 Operator : CG\JU
 Sample : 04767-06DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Oct 27 22:36:01 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

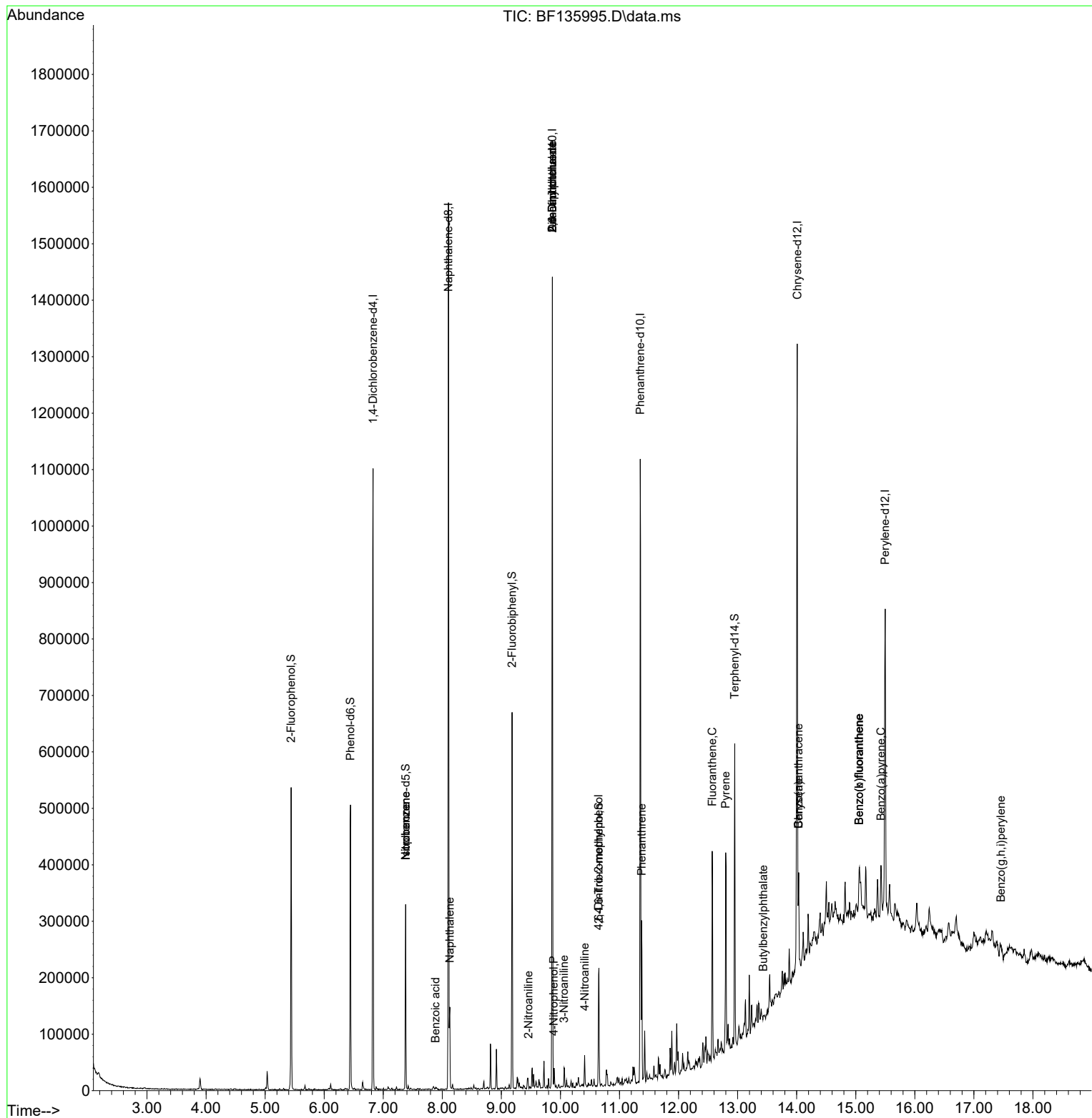
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	158425	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	589976	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	253443	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	398809	20.000	ng	0.00
76) Chrysene-d12	14.010	240	343133	20.000	ng	0.00
86) Perylene-d12	15.498	264	250810	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	131053	12.774	ng	-0.01
7) Phenol-d6	6.445	99	159808	12.512	ng	-0.01
23) Nitrobenzene-d5	7.381	82	80094	17.546	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	23536	10.610	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	171978	10.866	ng	0.00
79) Terphenyl-d14	12.951	244	166152	8.090	ng	0.00
Target Compounds						
					Qvalue	
24) Nitrobenzene	7.381	77	468	2.627	ng	# 36
25) Isophorone	7.381	82	80092	4.295	ng	# 65
31) Naphthalene	8.128	128	58064	2.036	ng	100
32) Benzoic acid	7.887	122	56	5.732	ng	# 33
48) 2-Nitroaniline	9.457	65	137	4.247	ng	# 4
50) Dimethylphthalate	9.863	163	51177	3.114	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	33842	13.788	ng	# 21
53) 3-Nitroaniline	10.063	138	200	4.606	ng	# 1
56) 4-Nitrophenol	9.886	139	207	6.242	ng	# 11
57) 2,4-Dinitrotoluene	9.863	165	33842	12.878	ng	# 26
62) 4-Nitroaniline	10.410	138	82	4.668	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.645	198	75	6.989	ng	# 1
71) Phenanthrene	11.375	178	99496	4.931	ng	99
75) Fluoranthene	12.569	202	138123	6.507	ng	97
78) Pyrene	12.798	202	142952	4.962	ng	99
80) Butylbenzylphthalate	13.433	149	203	3.844	ng	# 59
81) Benzo(a)anthracene	14.033	228	61145	2.621	ng	92
83) Chrysene	14.033	228	61145	2.691	ng	95
88) Benzo(b)fluoranthene	15.057	252	74510	4.992	ng	# 93
89) Benzo(k)fluoranthene	15.057	252	74510	5.083	ng	# 92
90) Benzo(a)pyrene	15.427	252	40529	2.946	ng	# 91
92) Benzo(g,h,i)perylene	17.457	276	18645	5.000	ng	# 87

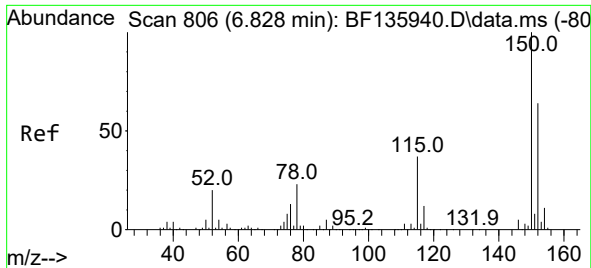
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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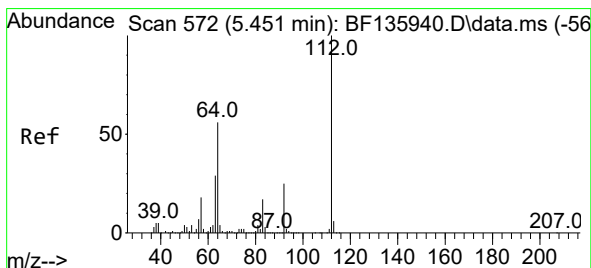
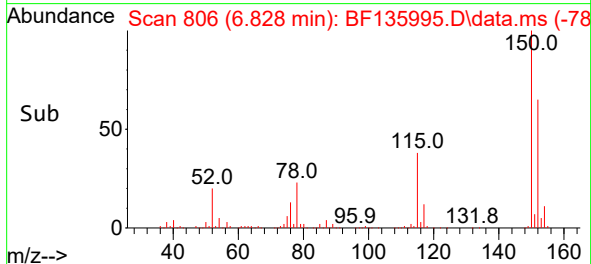
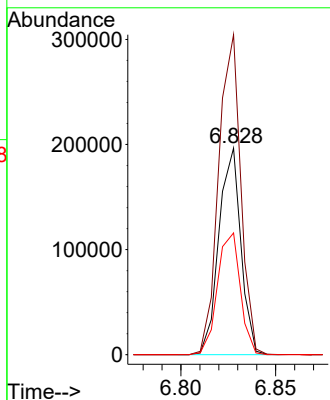
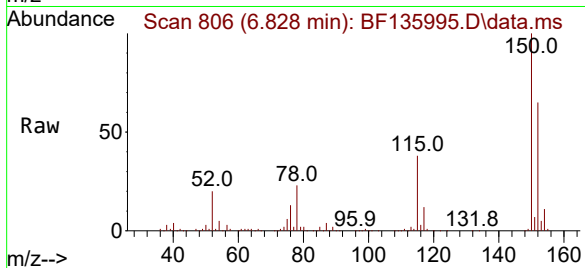




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

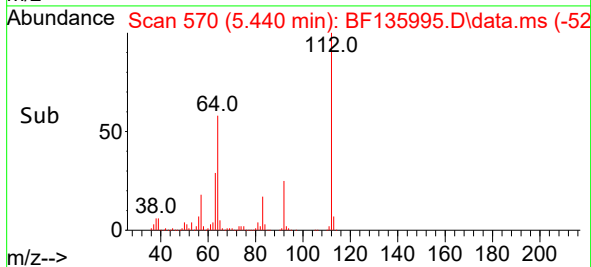
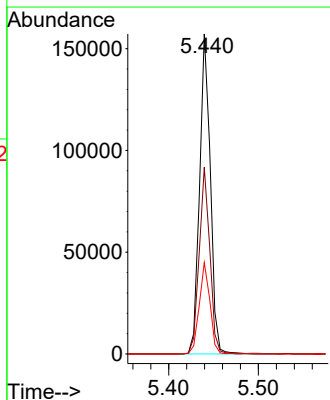
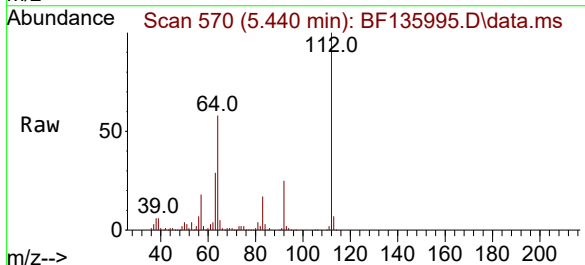
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL

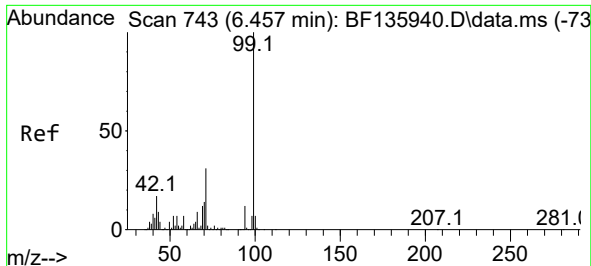
Tgt Ion:152 Resp: 158425
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 59.0 46.6 69.8



#5
2-Fluorophenol
Concen: 12.774 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:112 Resp: 131053
Ion Ratio Lower Upper
112 100
64 58.4 45.1 67.7
63 28.6 23.0 34.4

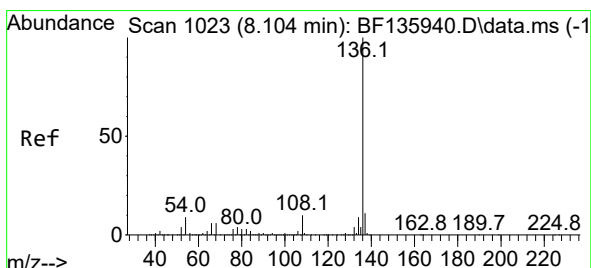
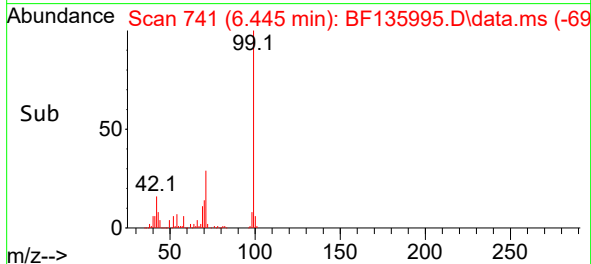
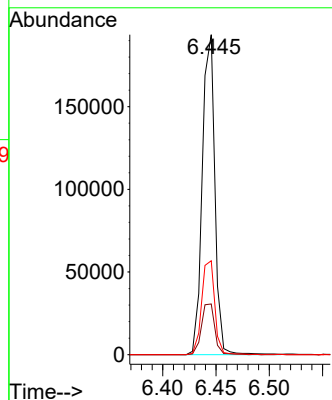
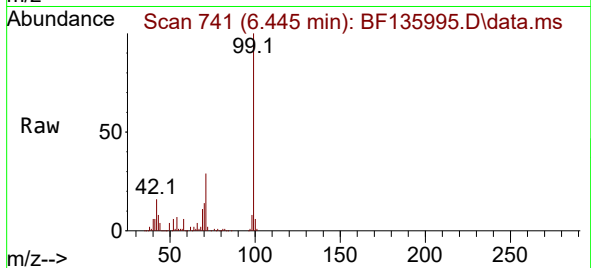




#7
Phenol-d6
Concen: 12.512 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

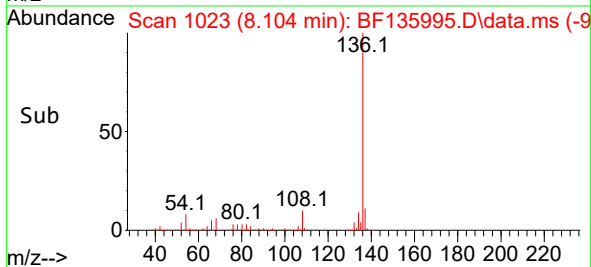
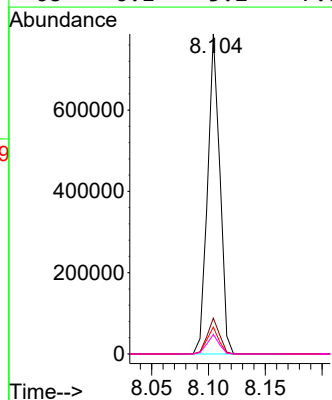
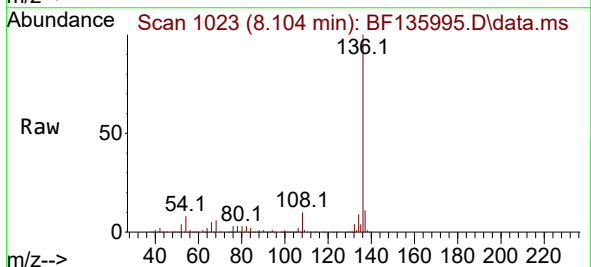
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL

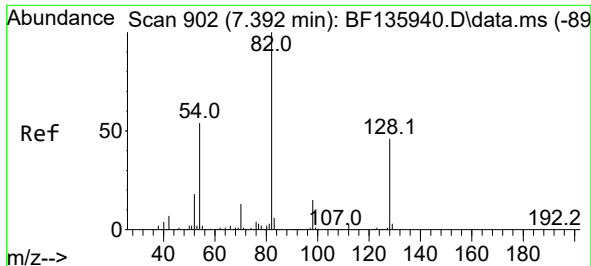
Tgt Ion: 99 Resp: 159808
Ion Ratio Lower Upper
99 100
42 15.9 13.8 20.8
71 29.4 25.1 37.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion: 136 Resp: 589976
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 8.4 7.1 10.7
68 6.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 17.546 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.011 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL

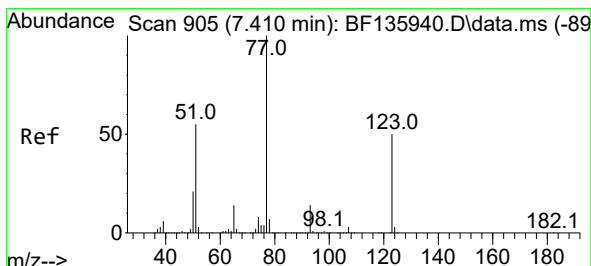
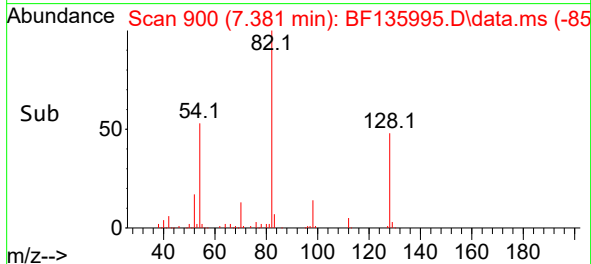
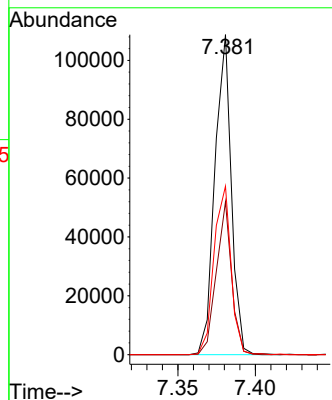
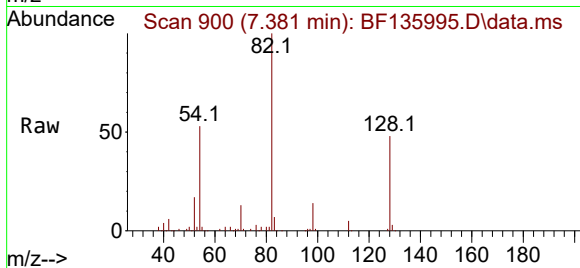
Tgt Ion: 82 Resp: 80094

Ion Ratio Lower Upper

82 100

128 47.8 36.8 55.2

54 52.7 43.4 65.0



#24

Nitrobenzene

Concen: 2.627 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.029 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

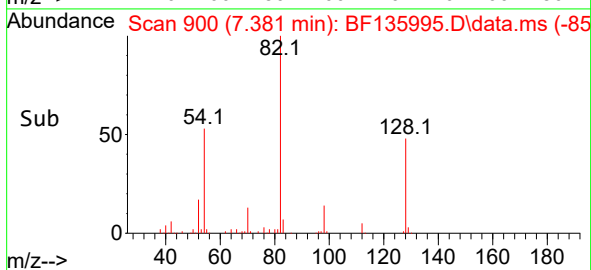
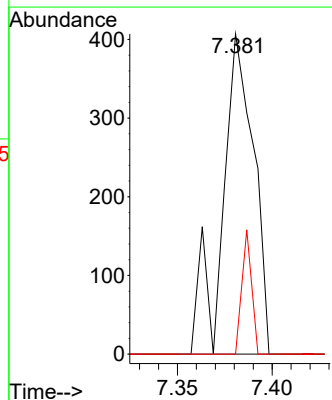
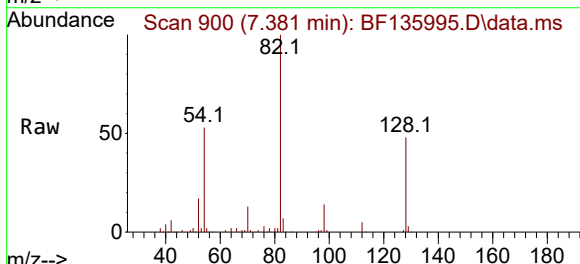
Tgt Ion: 77 Resp: 468

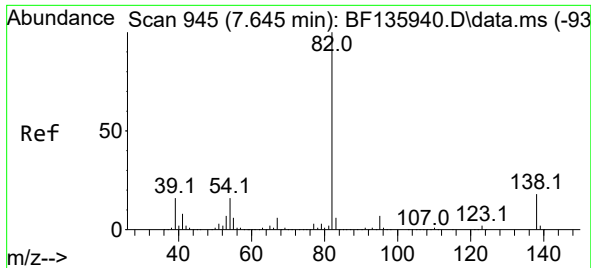
Ion Ratio Lower Upper

77 100

123 0.0 40.2 60.2#

65 0.0 11.0 16.4#

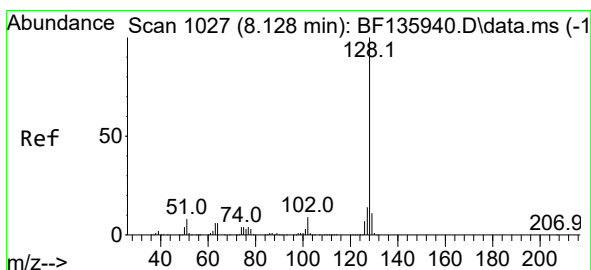
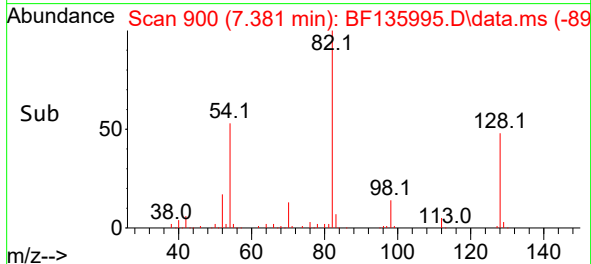
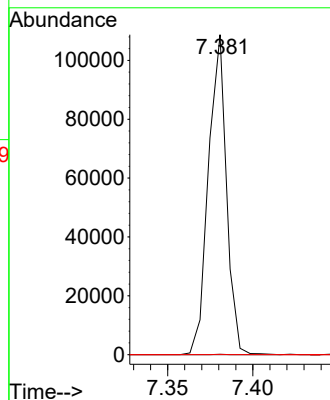
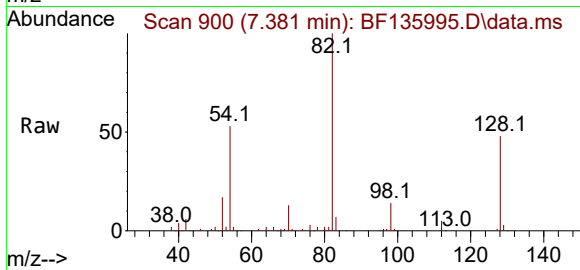




#25
Isophorone
Concen: 4.295 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

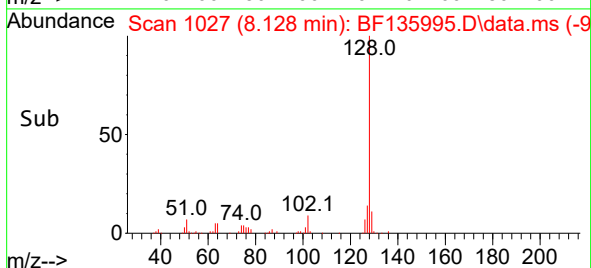
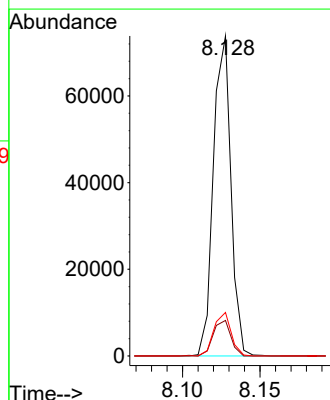
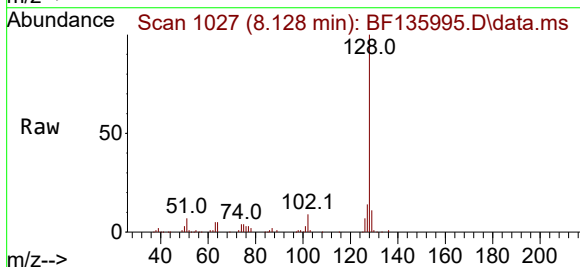
Instrument :
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Q-4(0-5)DL

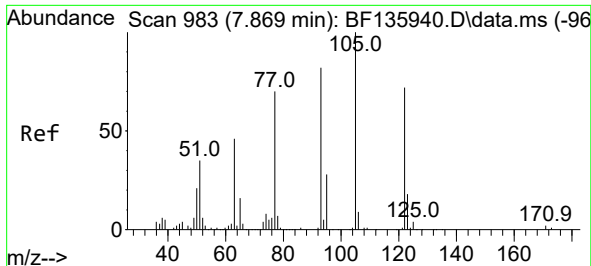
Tgt Ion: 82 Resp: 80092
Ion Ratio Lower Upper
82 100
95 0.2 5.6 8.4#
138 0.0 14.8 22.2#



#31
Naphthalene
Concen: 2.036 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion: 128 Resp: 58064
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.6 10.9 16.3

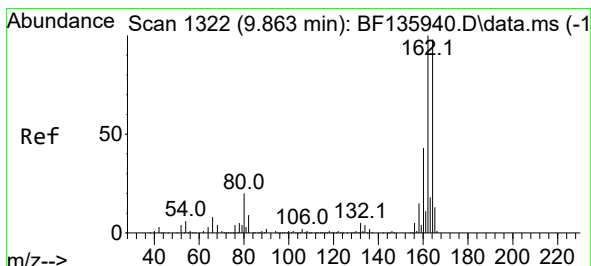
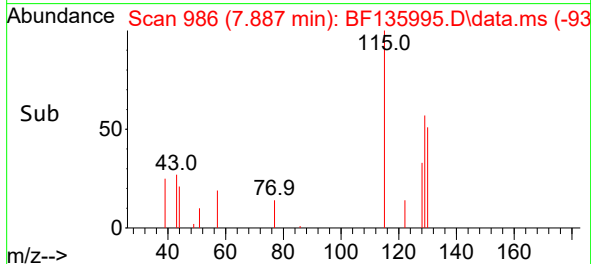
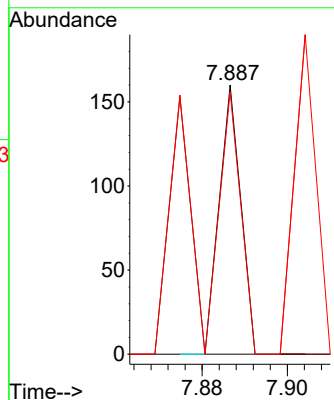
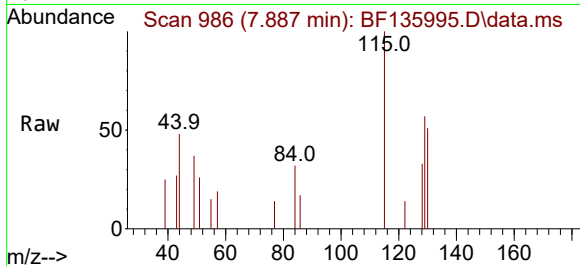




#32
Benzoic acid
Concen: 5.732 ng
RT: 7.887 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

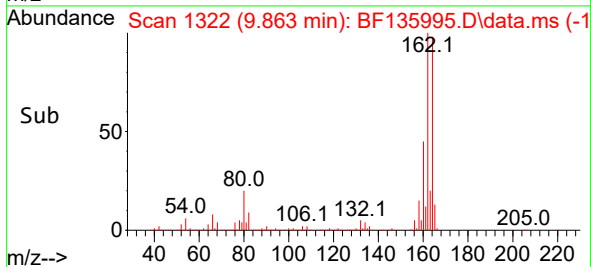
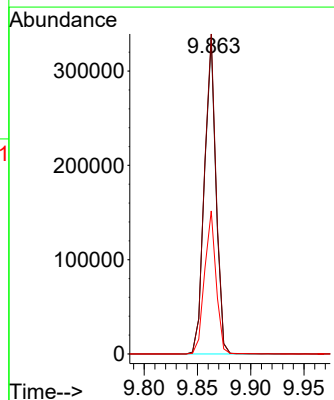
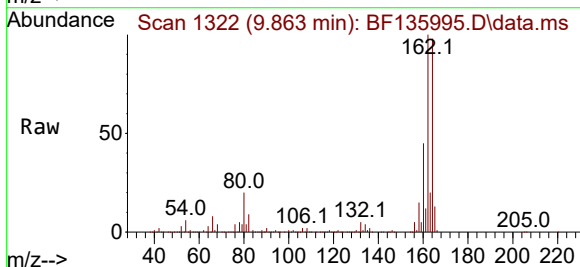
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ClientSampleId :
Q-4(0-5)DL

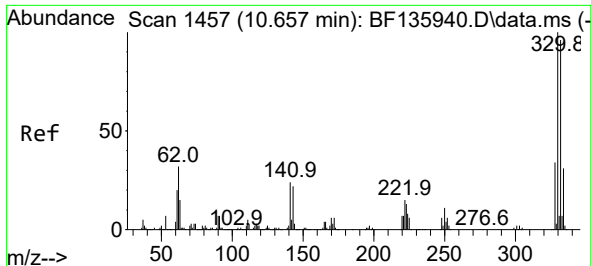
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 113.1 153.1#
77 97.5 75.2 115.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:164 Resp: 253443
Ion Ratio Lower Upper
164 100
162 101.9 82.0 123.0
160 45.5 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 10.610 ng

RT: 10.651 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL

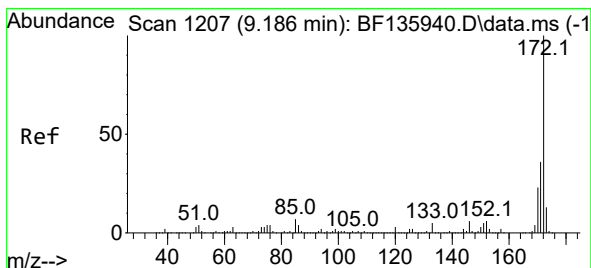
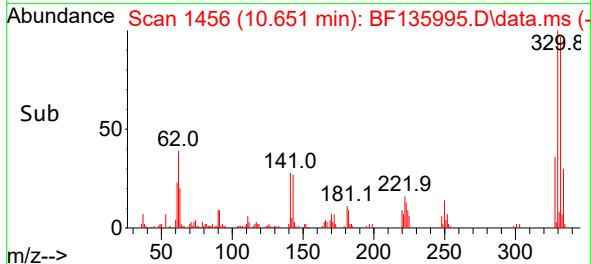
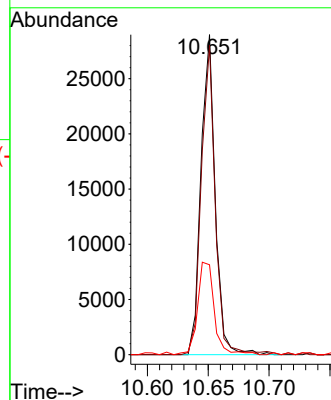
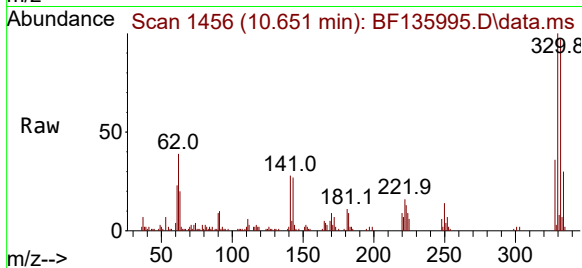
Tgt Ion:330 Resp: 23536

Ion Ratio Lower Upper

330 100

332 94.9 77.4 116.2

141 33.9 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 10.866 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

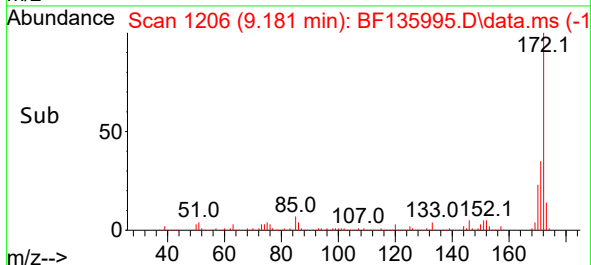
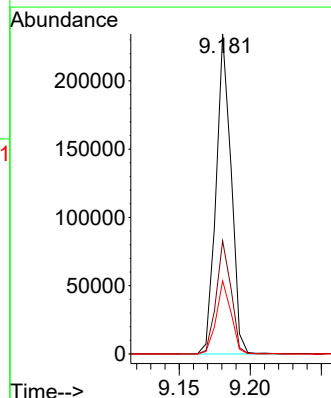
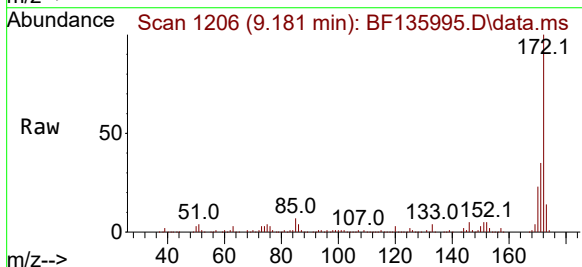
Tgt Ion:172 Resp: 171978

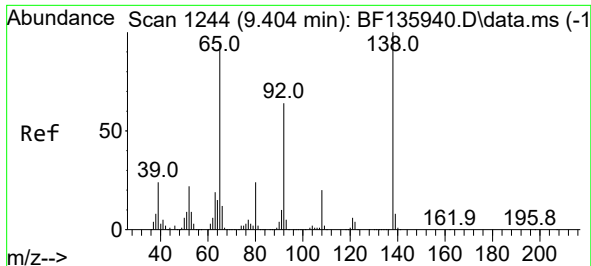
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 22.8 18.6 28.0

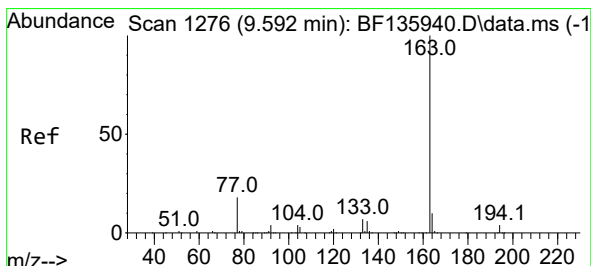
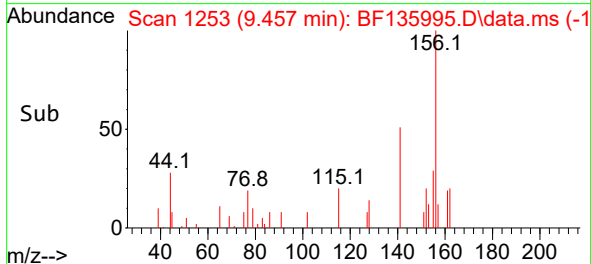
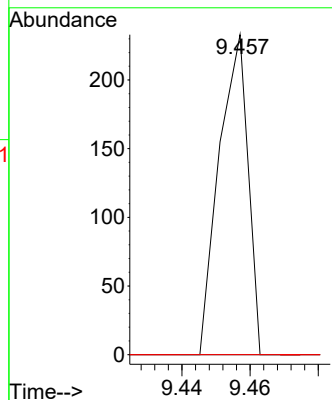
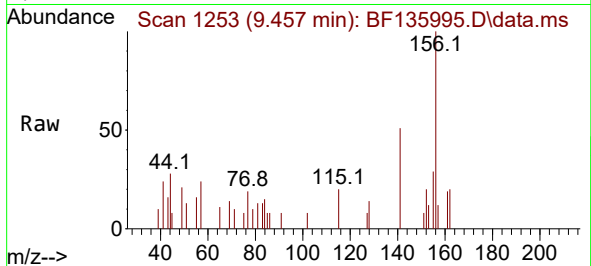




#48
2-Nitroaniline
Concen: 4.247 ng
RT: 9.457 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

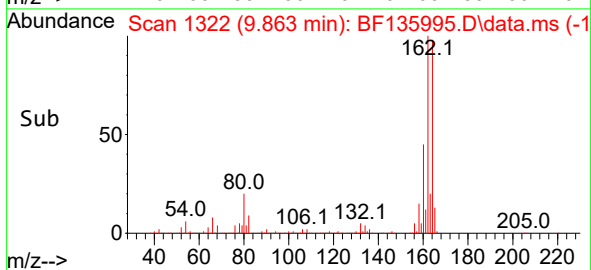
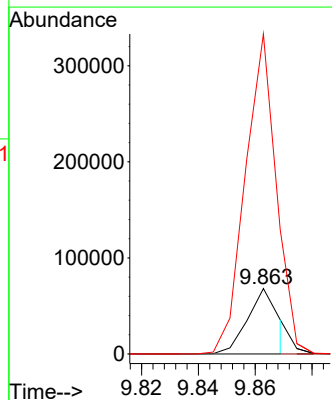
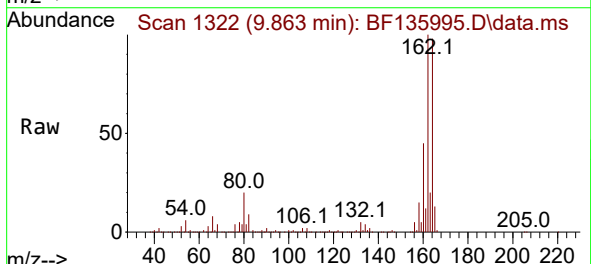
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Q-4(0-5)DL

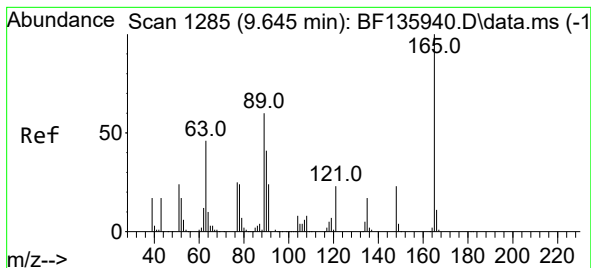
Tgt Ion: 65 Resp: 137
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 85.2 127.8#



#50
Dimethylphthalate
Concen: 3.114 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion: 163 Resp: 51177
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 488.7 8.3 12.5#





#51

2,6-Dinitrotoluene

Concen: 13.788 ng

RT: 9.863 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL

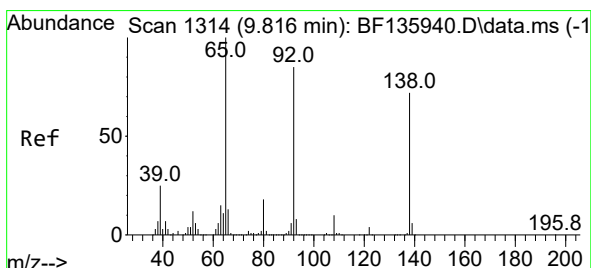
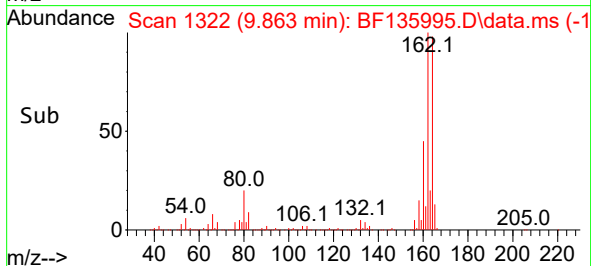
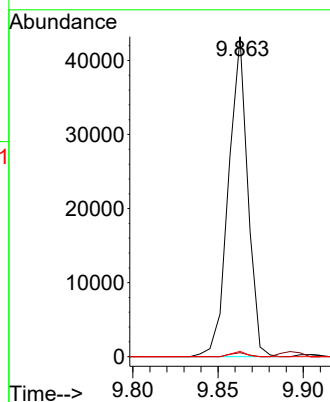
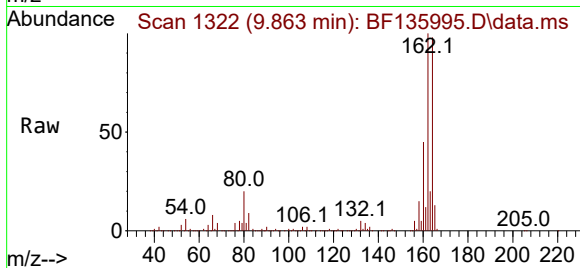
Tgt Ion:165 Resp: 33842

Ion Ratio Lower Upper

165 100

63 1.2 51.7 77.5#

89 1.7 48.3 72.5#



#53

3-Nitroaniline

Concen: 4.606 ng

RT: 10.063 min Scan# 1356

Delta R.T. 0.247 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

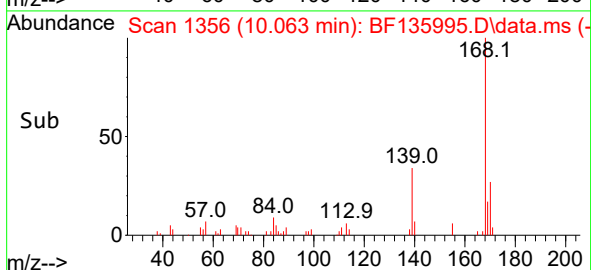
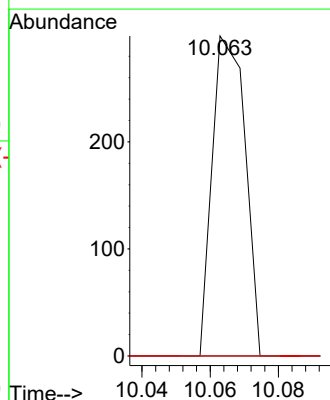
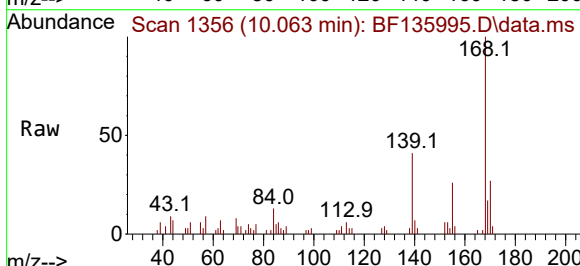
Tgt Ion:138 Resp: 200

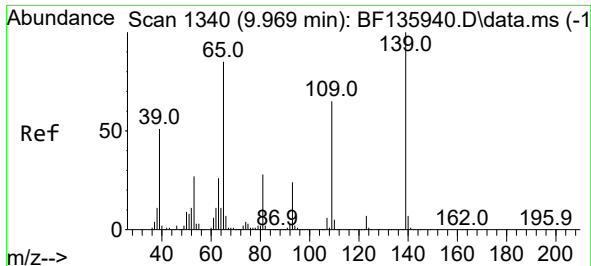
Ion Ratio Lower Upper

138 100

108 0.0 11.3 16.9#

92 0.0 95.0 142.6#

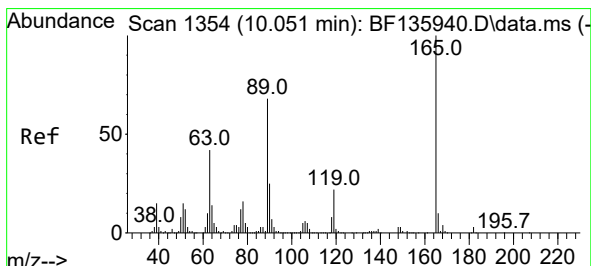
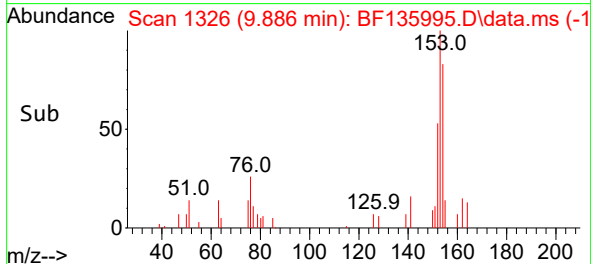
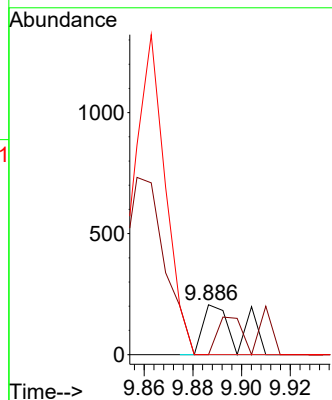
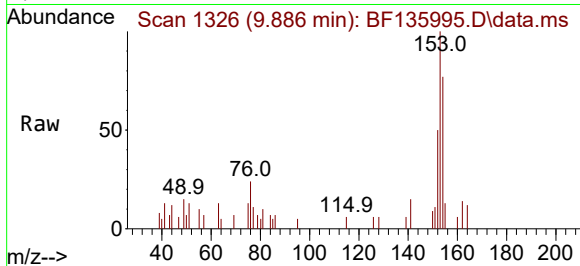




#56
4-Nitrophenol
Concen: 6.242 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.083 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

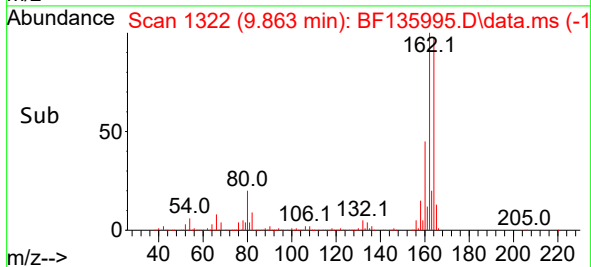
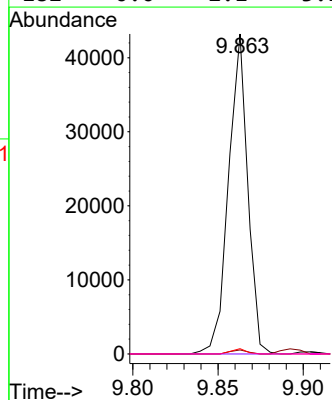
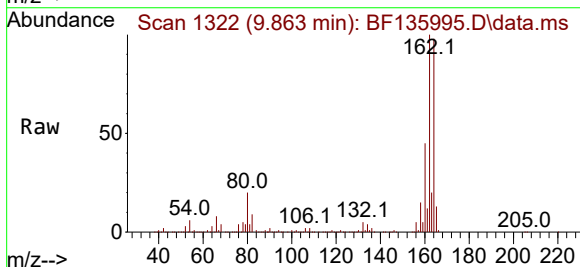
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL

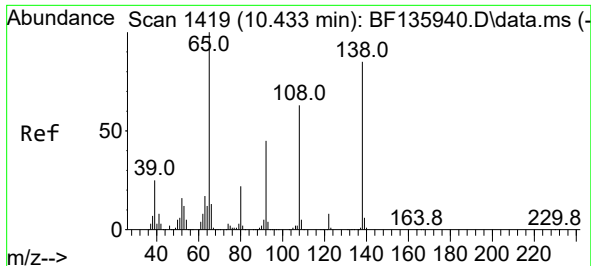
Tgt Ion:139 Resp: 207
Ion Ratio Lower Upper
139 100
109 0.0 45.2 85.2#
65 0.0 65.1 105.1#



#57
2,4-Dinitrotoluene
Concen: 12.878 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.188 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:165 Resp: 33842
Ion Ratio Lower Upper
165 100
63 1.2 33.7 50.5#
89 1.7 54.6 81.8#
182 0.0 2.1 3.1#

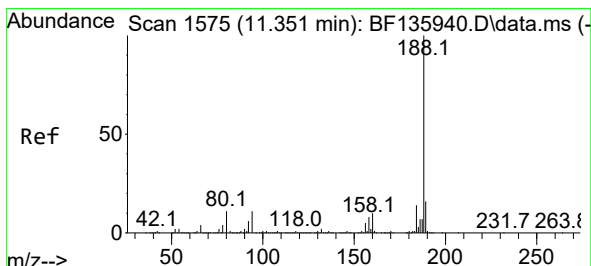
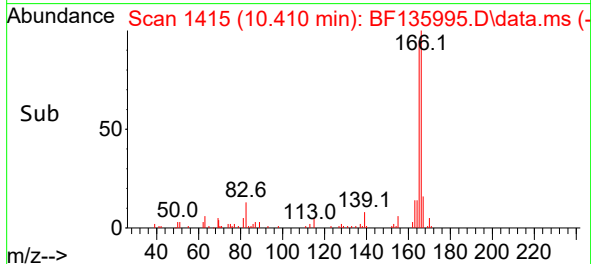
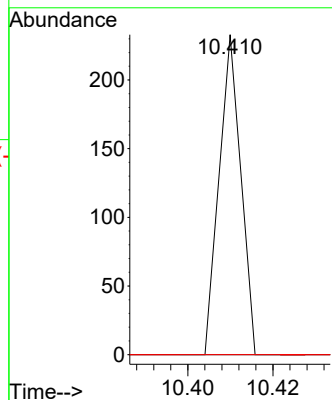
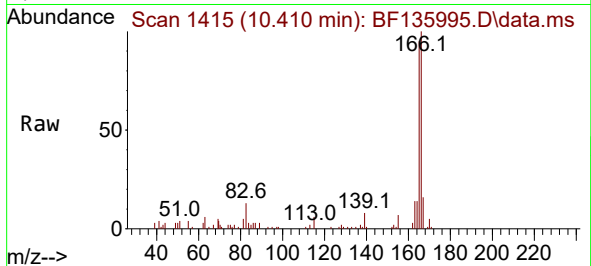




#62
4-Nitroaniline
Concen: 4.668 ng
RT: 10.410 min Scan# 1419
Delta R.T. -0.023 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

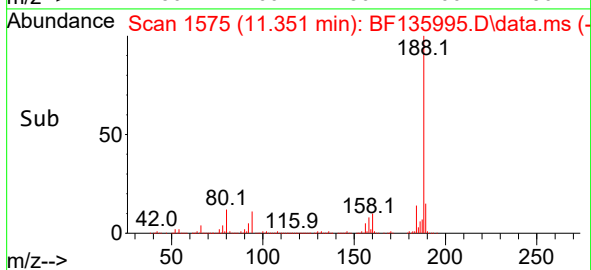
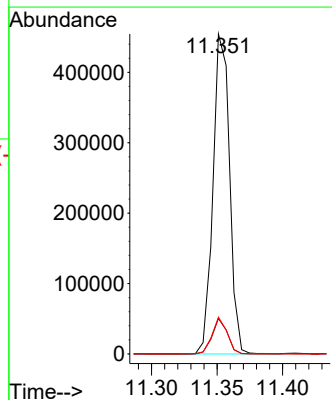
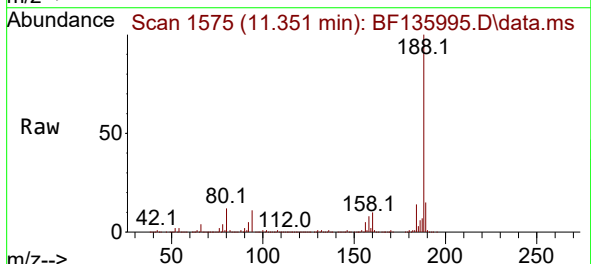
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL

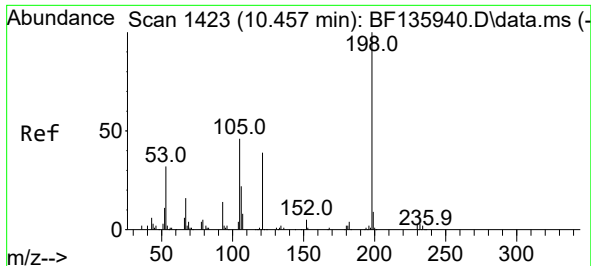
Tgt Ion:138 Resp: 82
Ion Ratio Lower Upper
138 100
92 0.0 32.9 72.9#
108 0.0 53.5 93.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:188 Resp: 398809
Ion Ratio Lower Upper
188 100
94 11.1 8.6 13.0
80 11.5 9.0 13.6

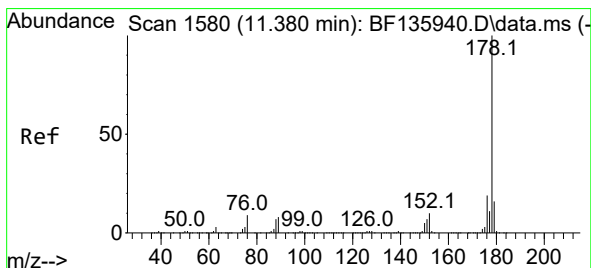
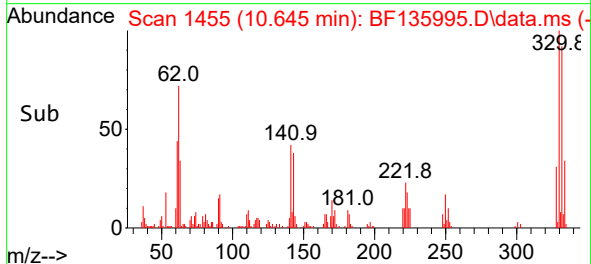
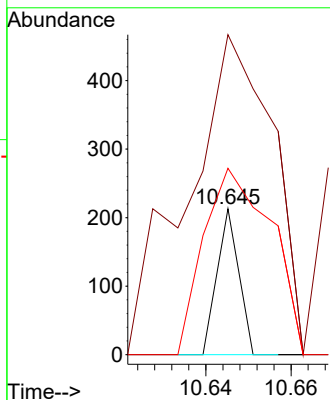
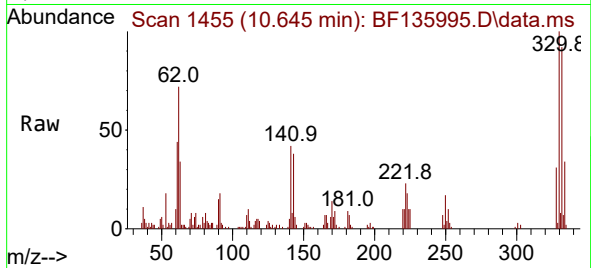




#65
4,6-Dinitro-2-methylphenol
Concen: 6.989 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.188 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

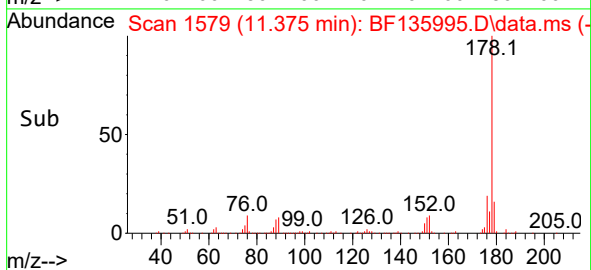
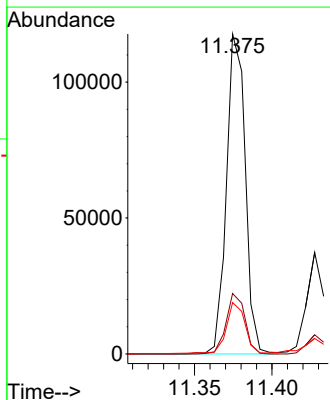
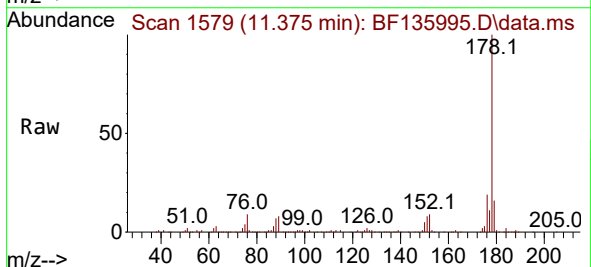
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL

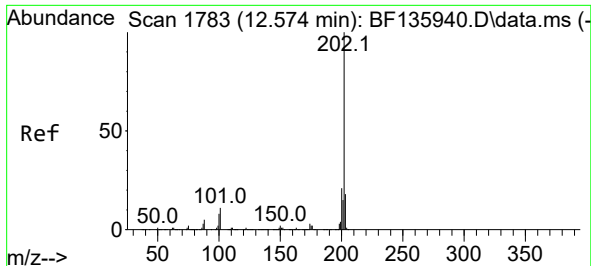
Tgt Ion:198 Resp: 75
Ion Ratio Lower Upper
198 100
51 219.2 28.7 68.7#
105 127.7 27.2 67.2#



#71
Phenanthrene
Concen: 4.931 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:178 Resp: 99496
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.0 12.5 18.7

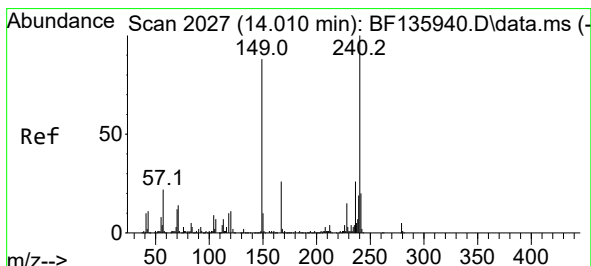
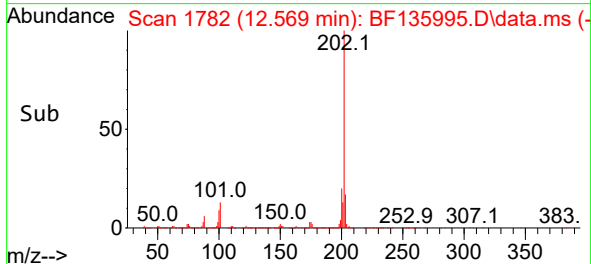
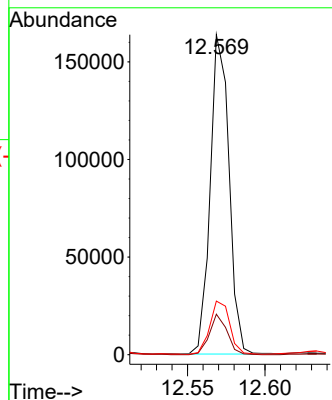
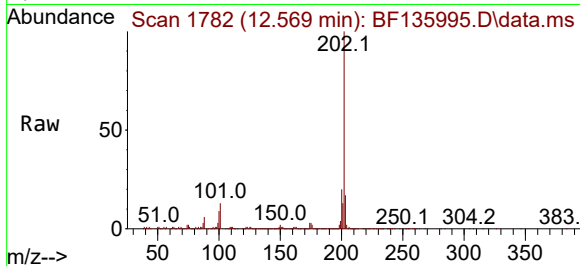




#75
Fluoranthene
Concen: 6.507 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

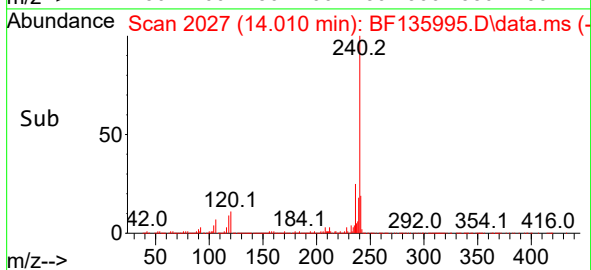
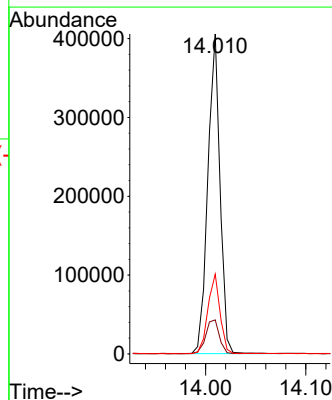
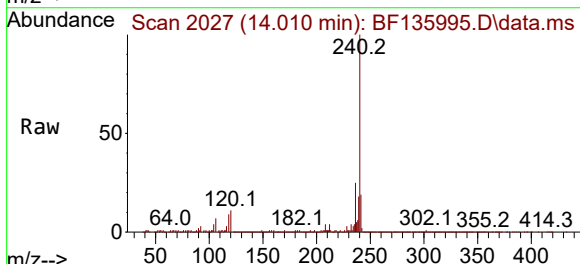
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL

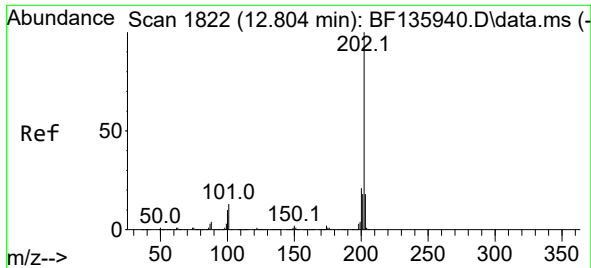
Tgt Ion:202 Resp: 138123
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.6
203 16.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:240 Resp: 343133
Ion Ratio Lower Upper
240 100
120 10.7 8.6 13.0
236 25.0 20.6 30.8

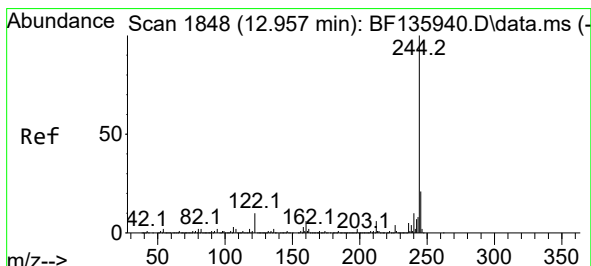
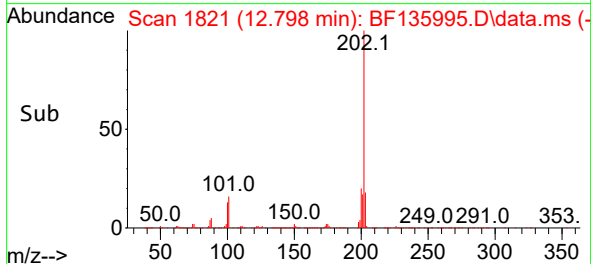
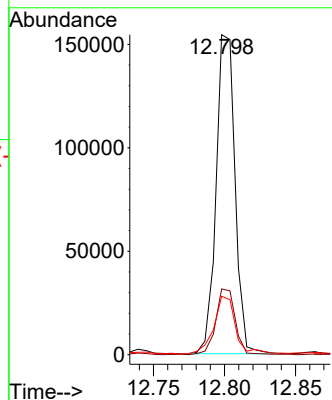
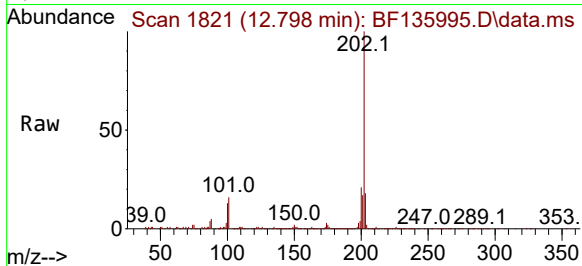




#78
Pyrene
Concen: 4.962 ng
RT: 12.798 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

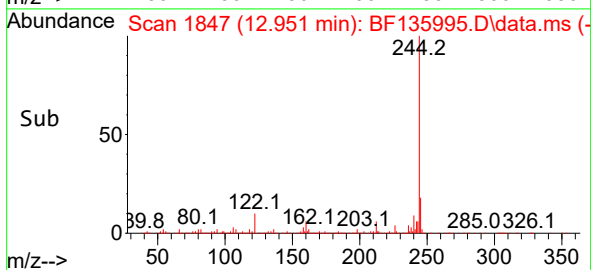
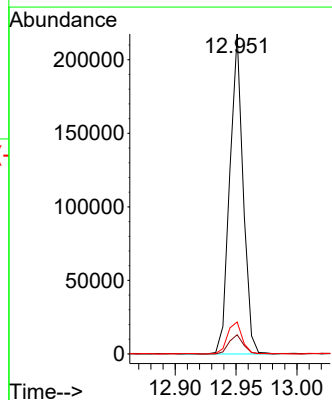
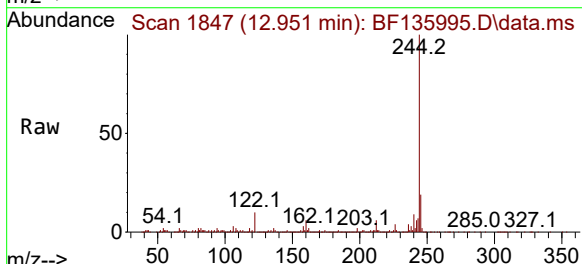
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL

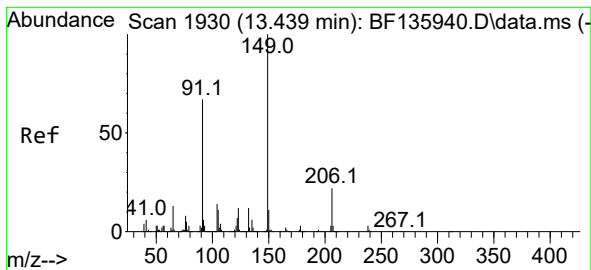
Tgt Ion:202 Resp: 142952
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 18.3 14.5 21.7



#79
Terphenyl-d14
Concen: 8.090 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:244 Resp: 166152
Ion Ratio Lower Upper
244 100
212 6.0 5.0 7.6
122 10.0 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.844 ng

RT: 13.433 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL

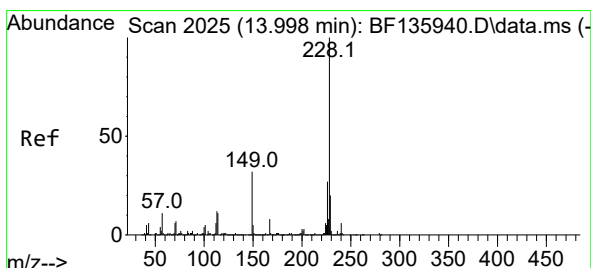
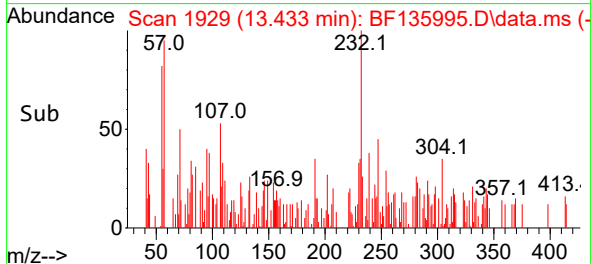
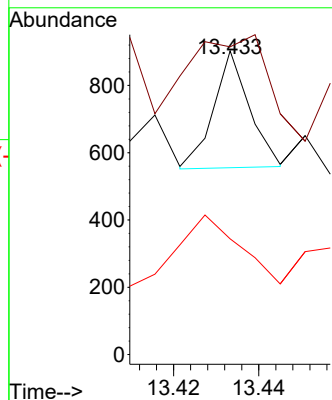
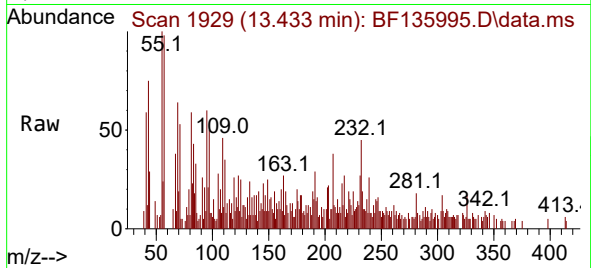
Tgt Ion:149 Resp: 203

Ion Ratio Lower Upper

149 100

91 101.3 53.4 80.0#

206 38.1 17.5 26.3#



#81

Benzo(a)anthracene

Concen: 2.621 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.035 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

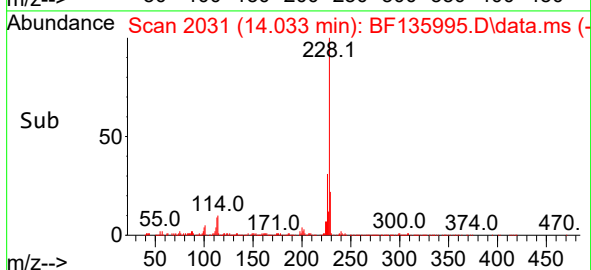
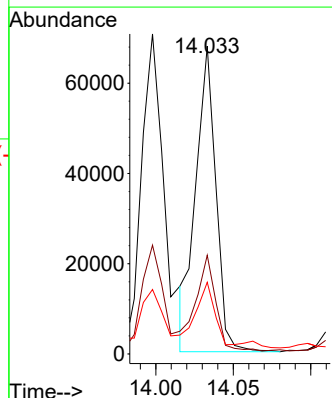
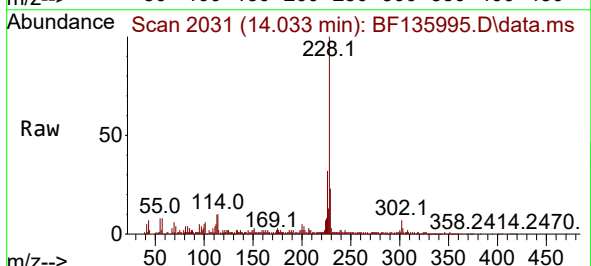
Tgt Ion:228 Resp: 61145

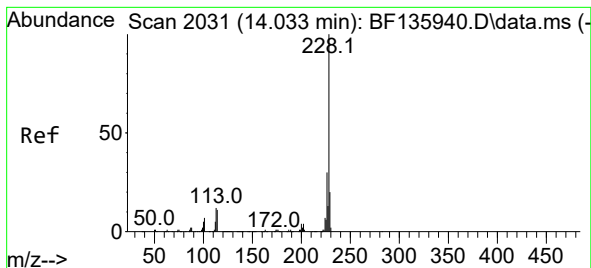
Ion Ratio Lower Upper

228 100

226 32.0 21.8 32.6

229 23.3 16.2 24.4





#83

Chrysene

Concen: 2.691 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL

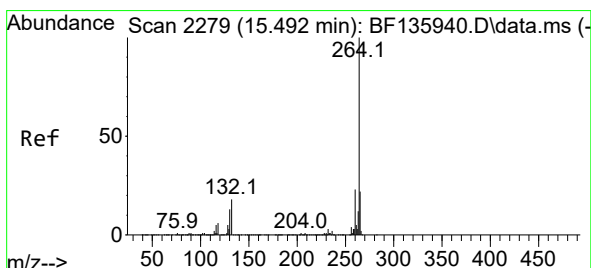
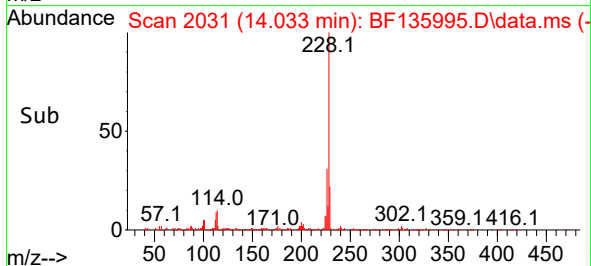
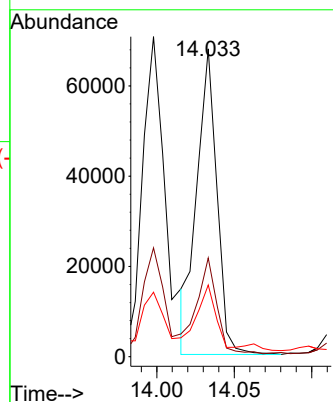
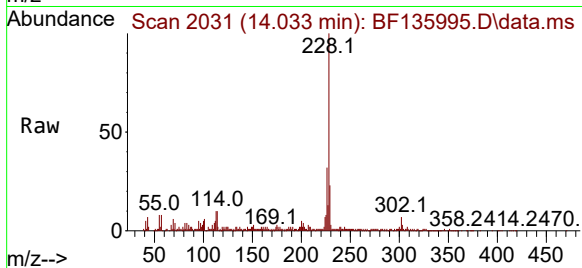
Tgt Ion:228 Resp: 61145

Ion Ratio Lower Upper

228 100

226 32.0 23.9 35.9

229 23.3 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

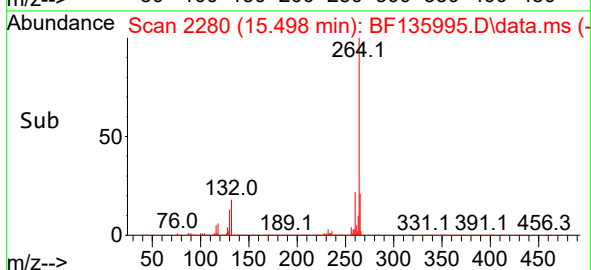
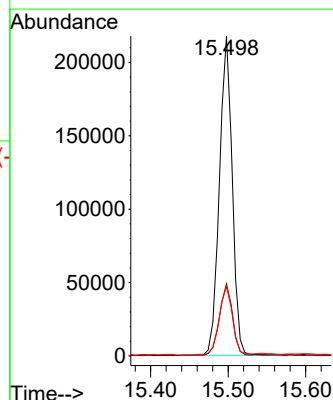
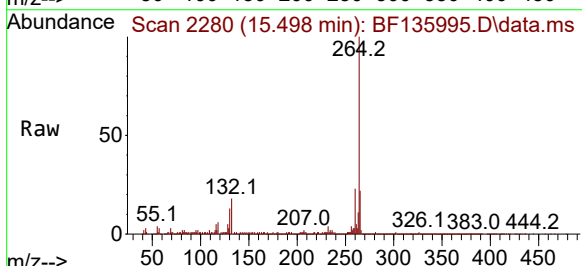
Tgt Ion:264 Resp: 250810

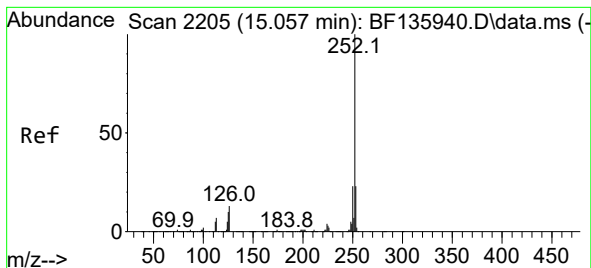
Ion Ratio Lower Upper

264 100

260 22.6 18.6 28.0

265 21.7 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 4.992 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL

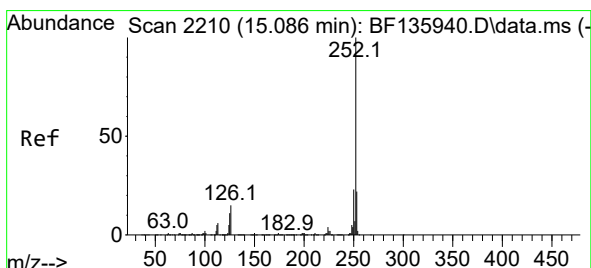
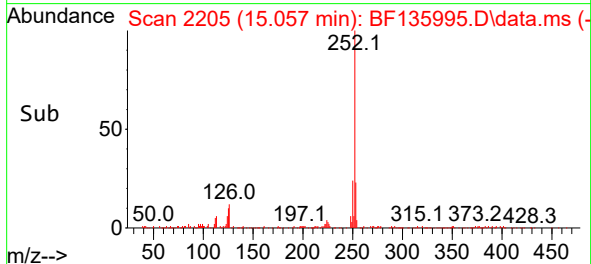
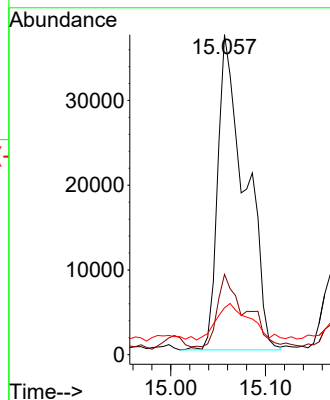
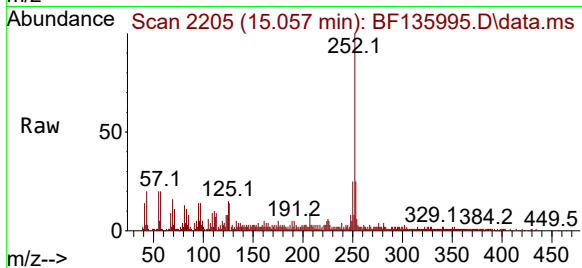
Tgt Ion:252 Resp: 74510

Ion Ratio Lower Upper

252 100

253 25.1 18.0 27.0

125 14.6 8.2 12.4#



#89

Benzo(k)fluoranthene

Concen: 5.083 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.029 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

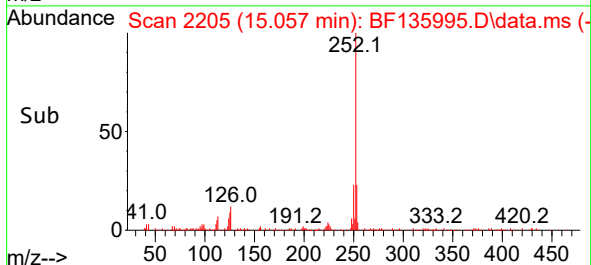
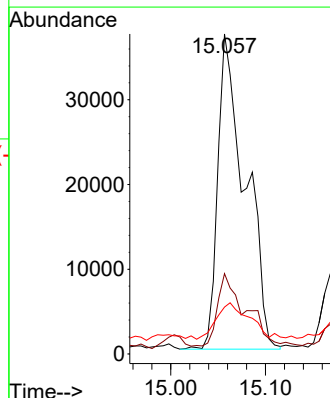
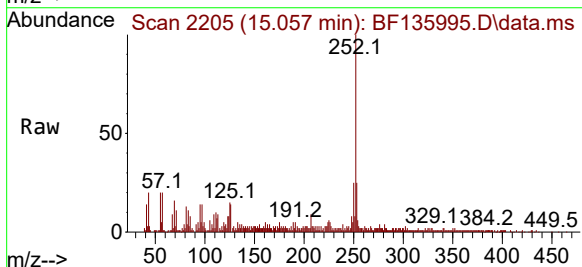
Tgt Ion:252 Resp: 74510

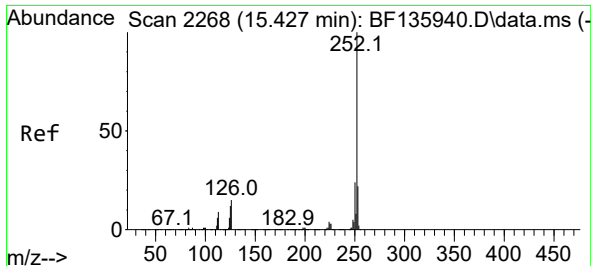
Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

125 14.6 8.5 12.7#

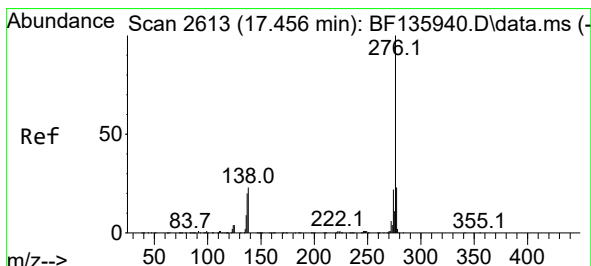
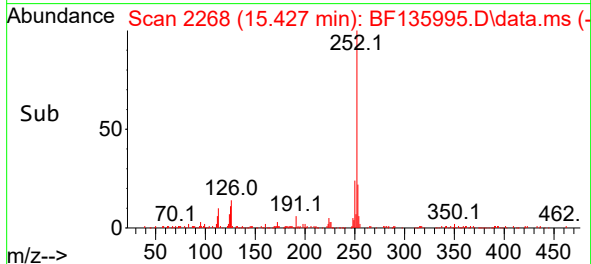
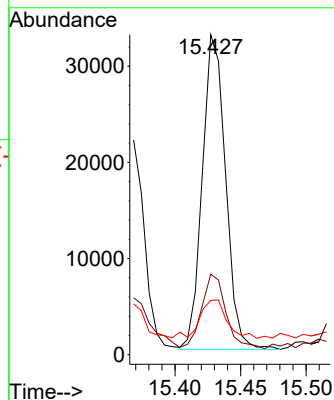
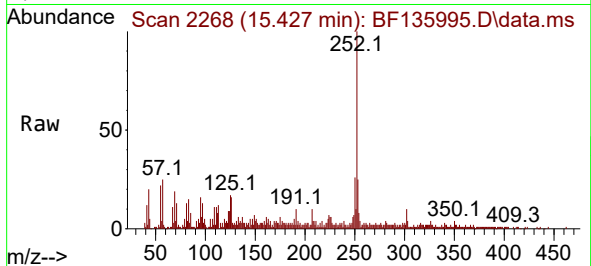




#90
Benzo(a)pyrene
Concen: 2.946 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

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

Tgt Ion:252 Resp: 40529
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.2
125 17.0 9.6 14.4#



#92
Benzo(g,h,i)perylene
Concen: 5.000 ng
RT: 17.457 min Scan# 2613
Delta R.T. 0.001 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:276 Resp: 18645
Ion Ratio Lower Upper
276 100
277 29.6 18.6 28.0#
138 29.5 18.4 27.6#

