

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135390.D
 Acq On : 21 Sep 2023 20:19
 Operator : CG\JU
 Sample : 04397-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-06

Quant Time: Sep 22 05:59:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

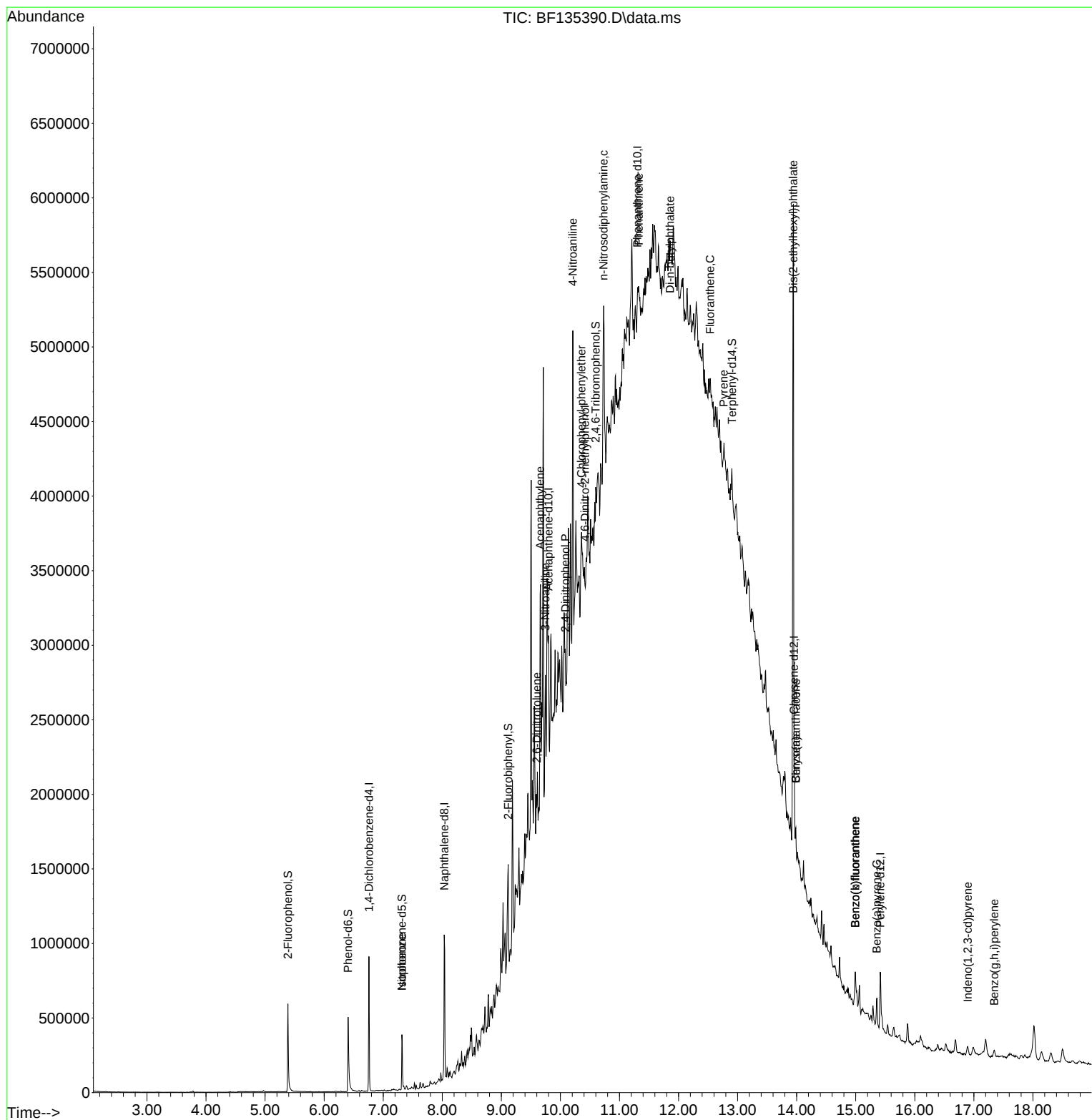
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	121980	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	414560	20.000	ng	#-0.01
39) Acenaphthene-d10	9.798	164	137196	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	158890	20.000	ng	# 0.01
76) Chrysene-d12	13.957	240	186958	20.000	ng	# 0.01
86) Perylene-d12	15.415	264	179127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	180391	24.053	ng	0.00
7) Phenol-d6	6.404	99	219881	23.057	ng	0.00
23) Nitrobenzene-d5	7.316	82	119407	15.649	ng	-0.02
42) 2,4,6-Tribromophenol	10.598	330	23596	17.307	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	189685	20.859	ng	-0.01
79) Terphenyl-d14	12.904	244	131506	10.904	ng	0.01
Target Compounds						
25) Isophorone	7.316	82	118270	8.441	ng	# 66
49) Acenaphthylene	9.657	152	30426	2.393	ng	# 8
51) 2,6-Dinitrotoluene	9.598	165	15777	7.764	ng	# 24
53) 3-Nitroaniline	9.745	138	26740	11.211	ng	# 11
54) 2,4-Dinitrophenol	10.086	184	5558	10.689	ng	89
61) 4-Chlorophenyl-phenyle...	10.357	204	12028	2.842	ng	# 31
62) 4-Nitroaniline	10.210	138	22016	9.602	ng	82
65) 4,6-Dinitro-2-methylph...	10.416	198	2262	2.680	ng	# 1
66) n-Nitrosodiphenylamine	10.728	169	54386	11.306	ng	94
71) Phenanthrene	11.328	178	49771	6.623	ng	# 49
74) Di-n-butylphthalate	11.857	149	25841	3.119	ng	# 34
75) Fluoranthene	12.533	202	117592	15.017	ng	89
78) Pyrene	12.763	202	117570	6.605	ng	# 89
81) Benzo(a)anthracene	13.986	228	101700	8.424	ng	93
83) Chrysene	13.986	228	101700	8.473	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	1595045	248.022	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	40596	3.457	ng	99
88) Benzo(b)fluoranthene	14.992	252	155855	16.073	ng	# 93
89) Benzo(k)fluoranthene	14.992	252	155855	16.271	ng	# 93
90) Benzo(a)pyrene	15.357	252	54672	5.912	ng	# 92
92) Benzo(g,h,i)perylene	17.345	276	38691	3.855	ng	97

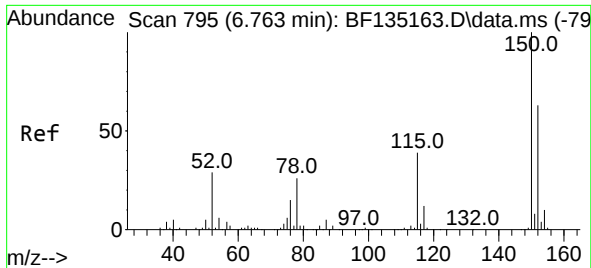
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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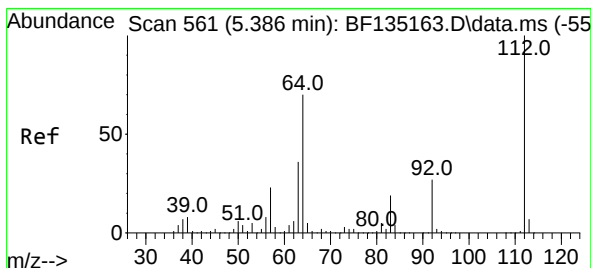
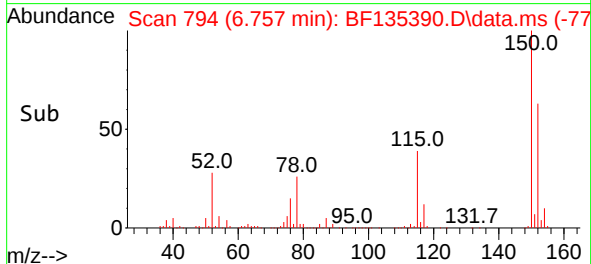
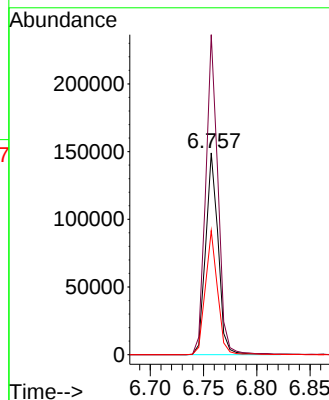
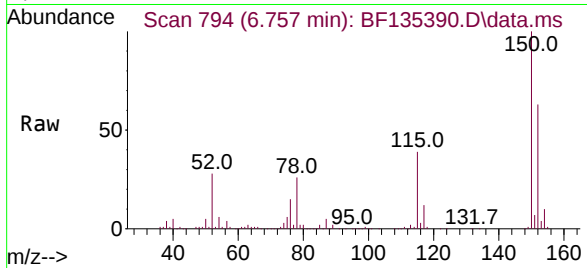




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

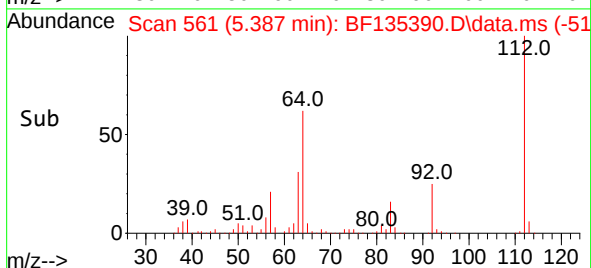
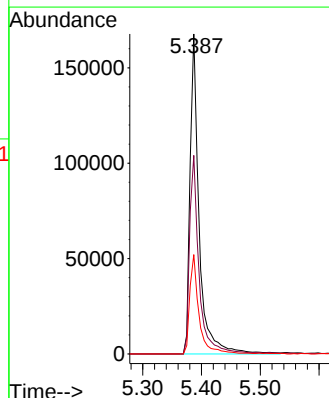
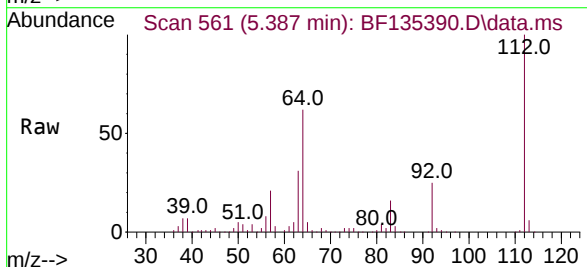
Instrument :
BNA_F
ClientSampleId :
B103-06

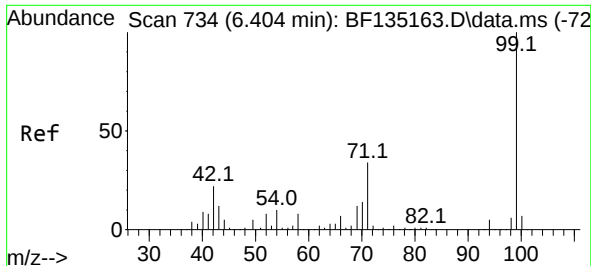
Tgt Ion:152 Resp: 121980
Ion Ratio Lower Upper
152 100
150 158.6 127.8 191.6
115 61.5 49.8 74.8



#5
2-Fluorophenol
Concen: 24.053 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion:112 Resp: 180391
Ion Ratio Lower Upper
112 100
64 62.0 55.9 83.9
63 31.1 29.0 43.6

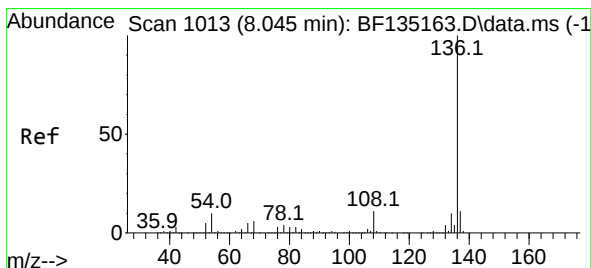
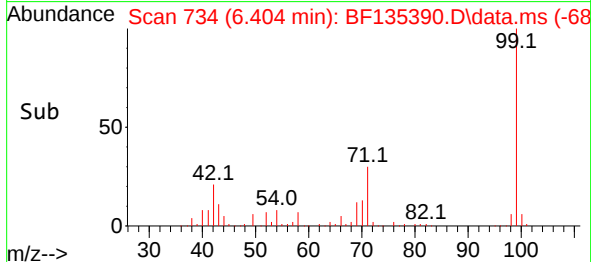
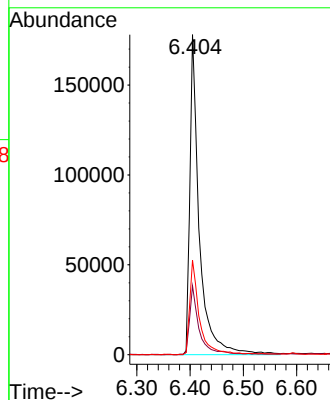
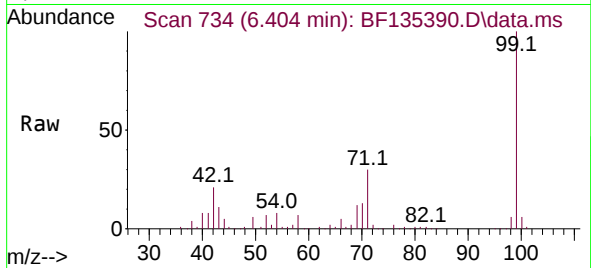




#7
Phenol-d6
Concen: 23.057 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

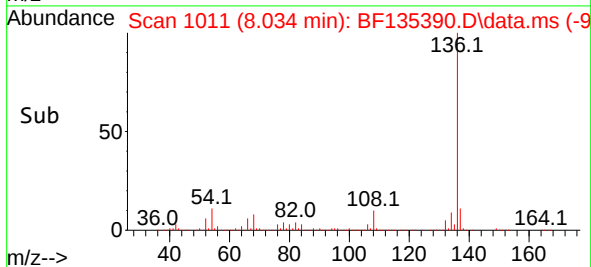
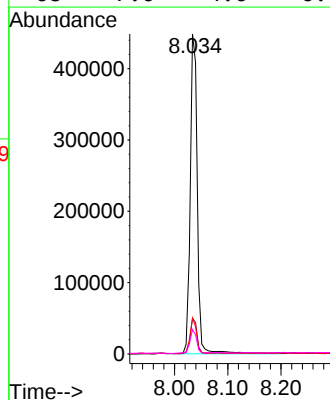
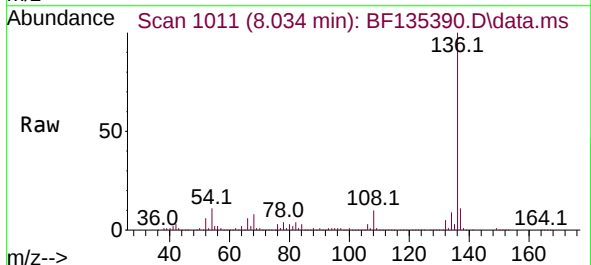
Instrument :
BNA_F
ClientSampleId :
B103-06

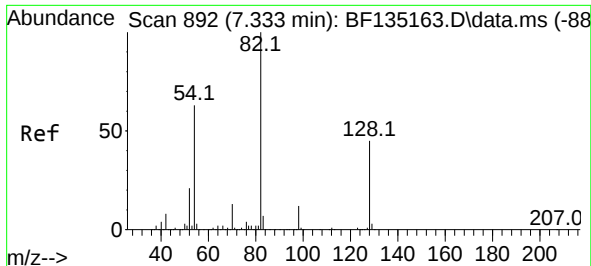
Tgt Ion: 99 Resp: 219881
Ion Ratio Lower Upper
99 100
42 21.5 17.9 26.9
71 29.5 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion: 136 Resp: 414560
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.3 7.7 11.5
68 7.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 15.649 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.017 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

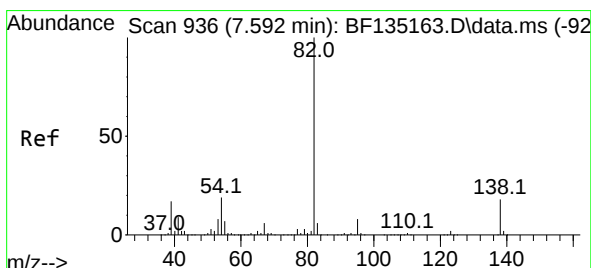
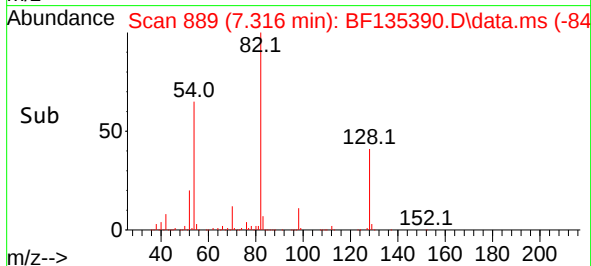
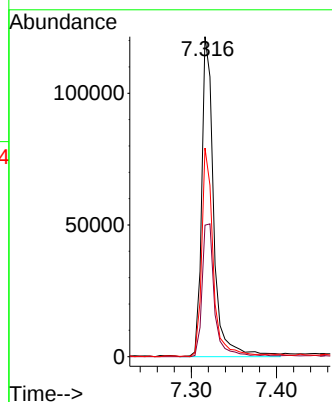
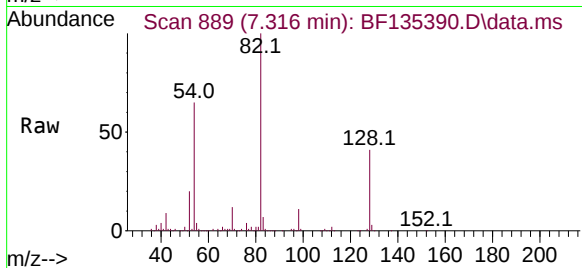
Tgt Ion: 82 Resp: 119407

Ion Ratio Lower Upper

82 100

128 41.1 35.8 53.6

54 65.2 50.6 76.0



#25

Isophorone

Concen: 8.441 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.276 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

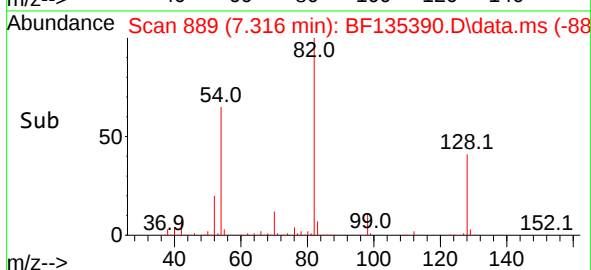
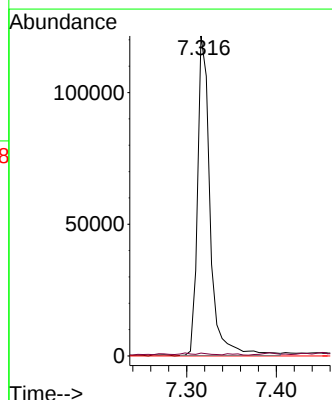
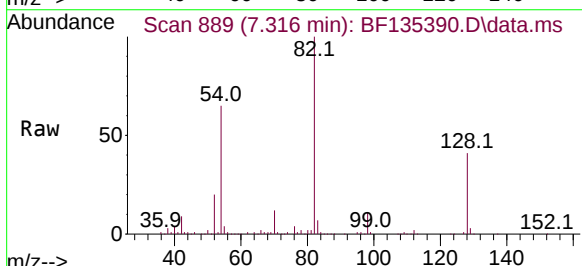
Tgt Ion: 82 Resp: 118270

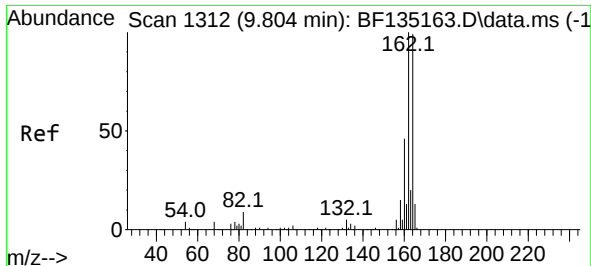
Ion Ratio Lower Upper

82 100

95 0.9 6.0 9.0#

138 0.0 14.5 21.7#

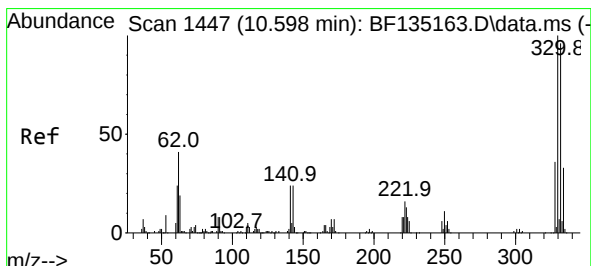
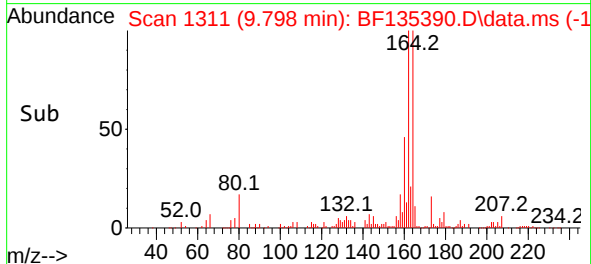
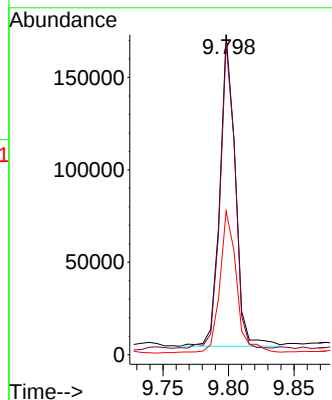
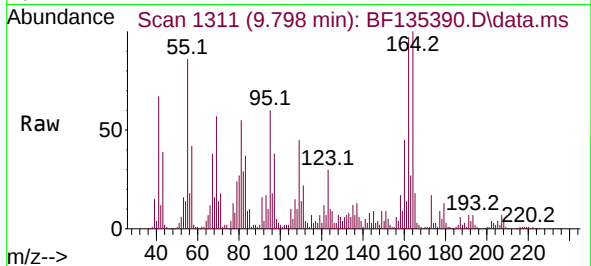




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

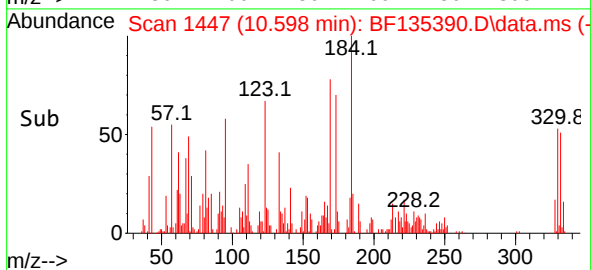
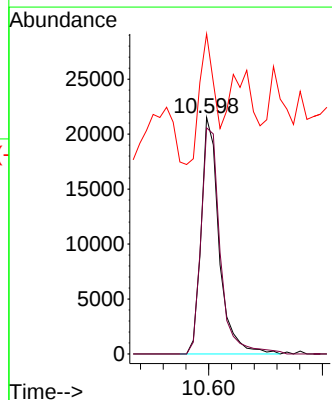
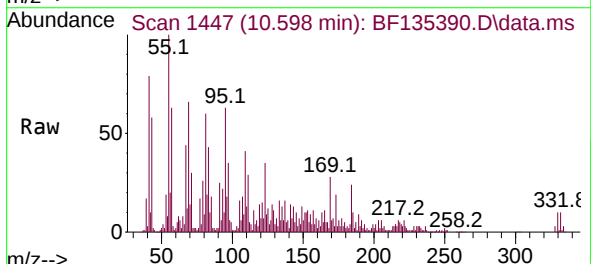
Instrument :
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ClientSampleId :
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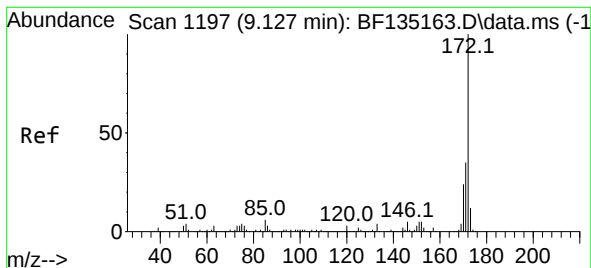
Tgt Ion:164 Resp: 137196
Ion Ratio Lower Upper
164 100
162 97.3 81.0 121.4
160 44.9 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 17.307 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion:330 Resp: 23596
Ion Ratio Lower Upper
330 100
332 102.0 77.3 115.9
141 45.7 25.8 38.8#





#45

2-Fluorobiphenyl

Concen: 20.859 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

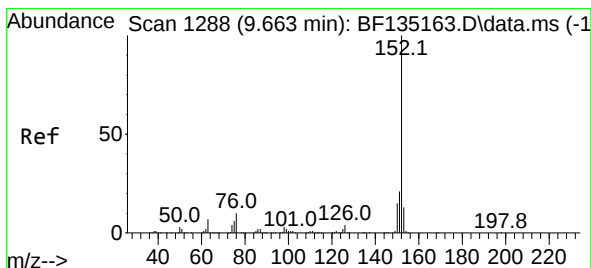
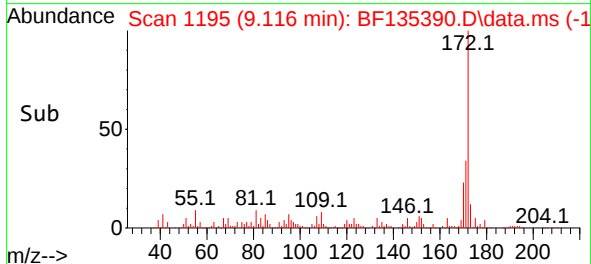
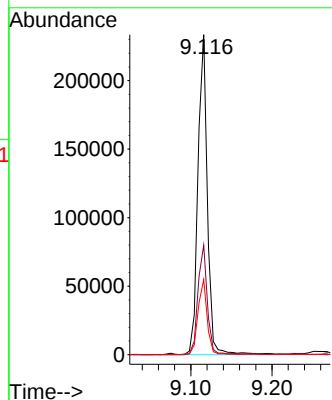
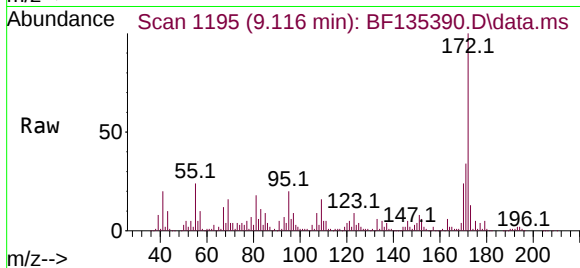
Tgt Ion:172 Resp: 189685

Ion Ratio Lower Upper

172 100

171 34.3 28.4 42.6

170 23.5 19.0 28.4



#49

Acenaphthylene

Concen: 2.393 ng

RT: 9.657 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

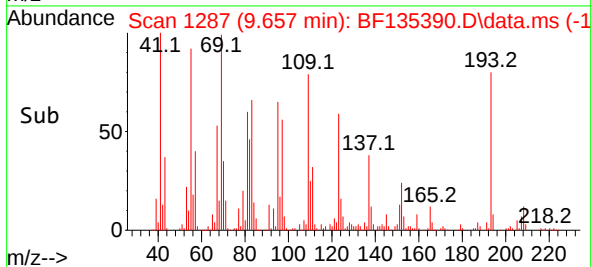
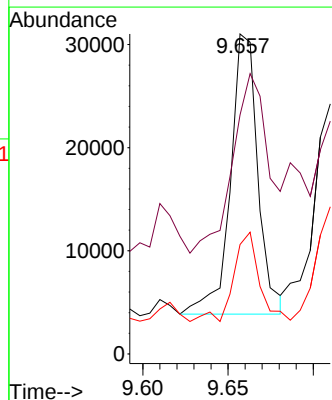
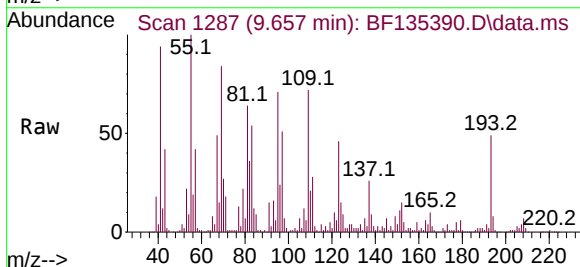
Tgt Ion:152 Resp: 30426

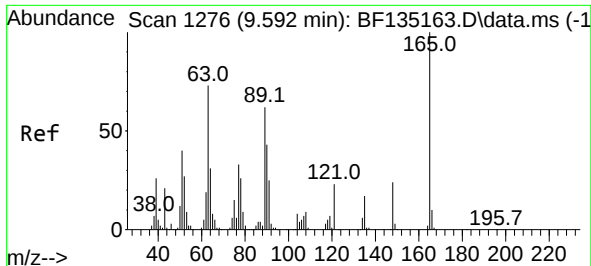
Ion Ratio Lower Upper

152 100

151 74.7 16.4 24.6#

153 34.2 10.4 15.6#

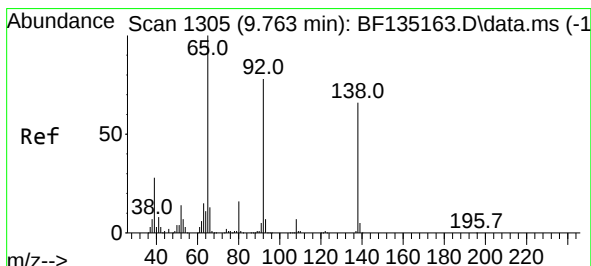
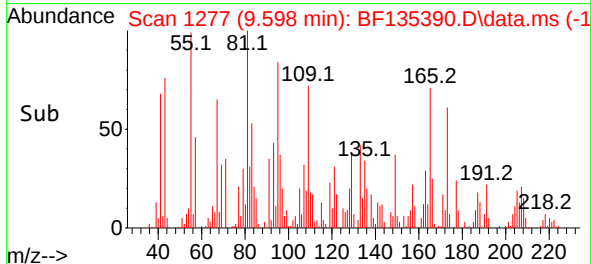
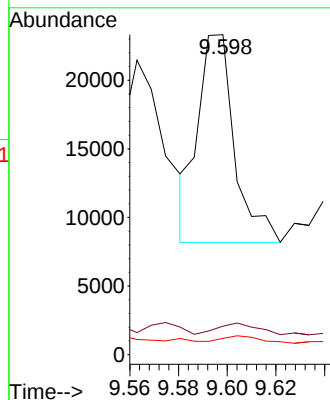
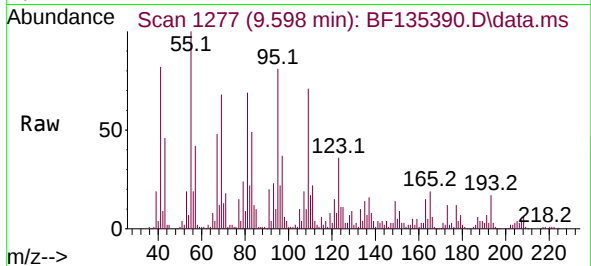




#51
2,6-Dinitrotoluene
Concen: 7.764 ng
RT: 9.598 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

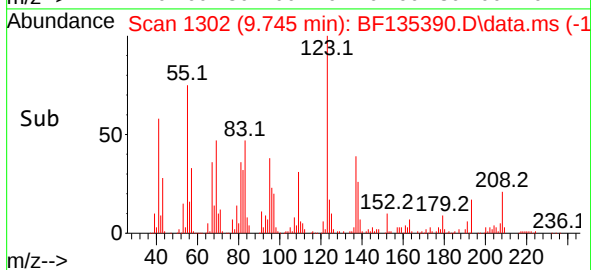
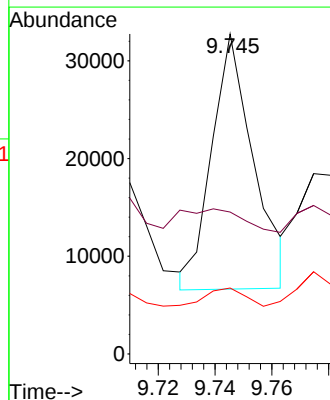
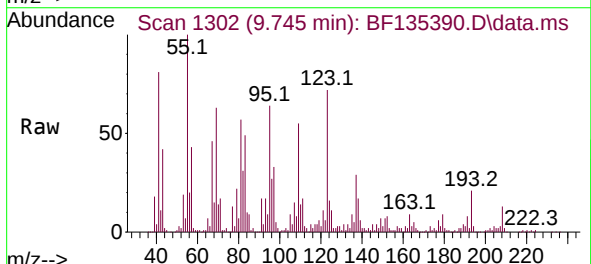
Instrument :
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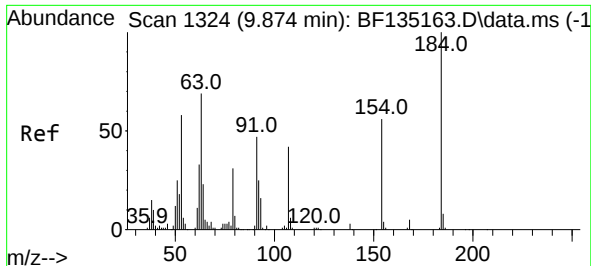
Tgt Ion:165 Resp: 15777
Ion Ratio Lower Upper
165 100
63 8.9 59.4 89.2#
89 5.1 49.8 74.8#



#53
3-Nitroaniline
Concen: 11.211 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.017 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion:138 Resp: 26740
Ion Ratio Lower Upper
138 100
108 44.4 8.5 12.7#
92 20.6 95.4 143.0#

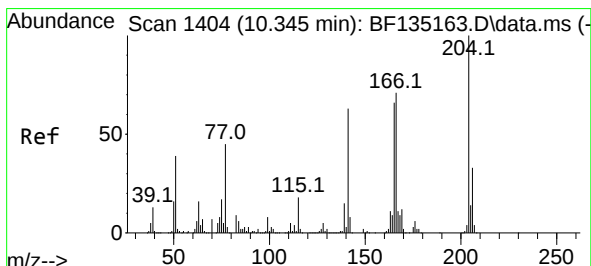
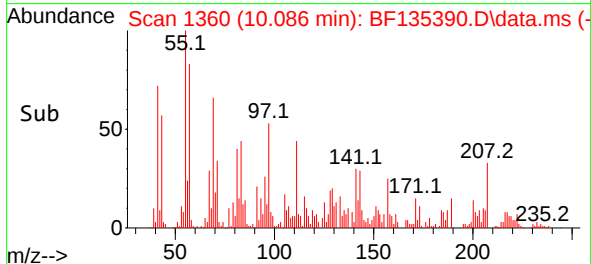
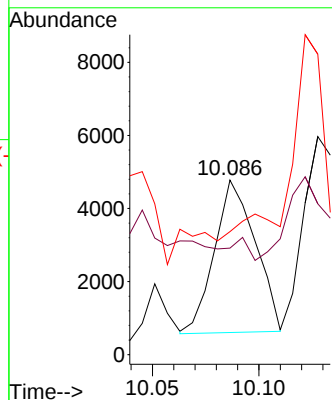
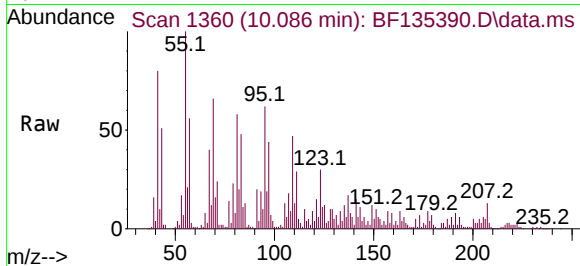




#54
2,4-Dinitrophenol
Concen: 10.689 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

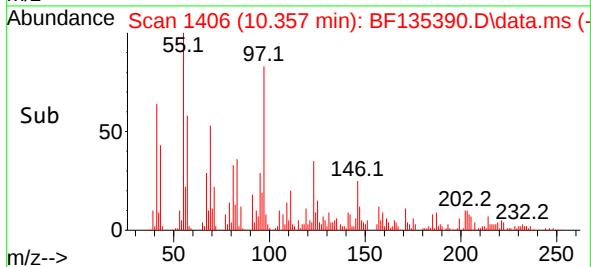
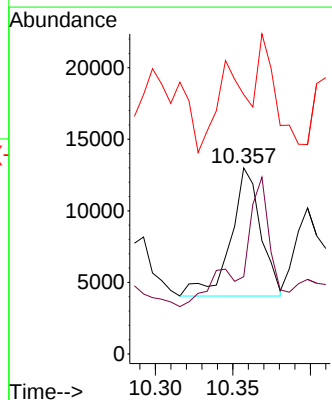
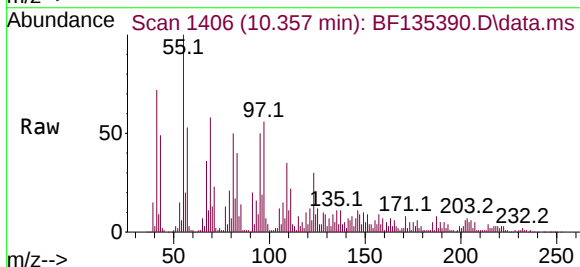
Instrument :
BNA_F
ClientSampleId :
B103-06

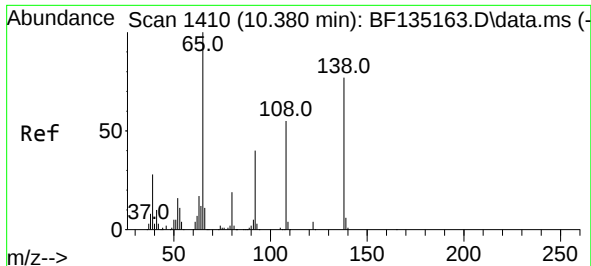
Tgt Ion:184 Resp: 5558
Ion Ratio Lower Upper
184 100
63 61.1 55.1 82.7
154 70.4 48.4 72.6



#61
4-Chlorophenyl-phenylether
Concen: 2.842 ng
RT: 10.357 min Scan# 1406
Delta R.T. 0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion:204 Resp: 12028
Ion Ratio Lower Upper
204 100
206 41.6 26.7 40.1#
141 139.4 50.6 75.8#

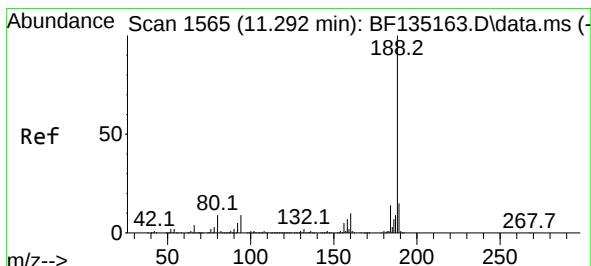
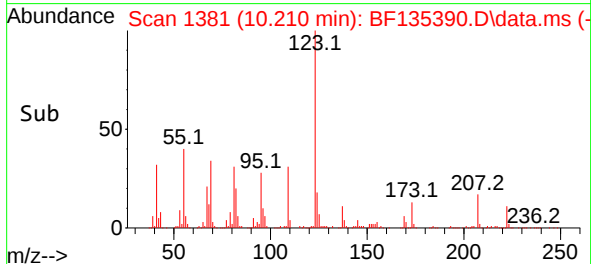
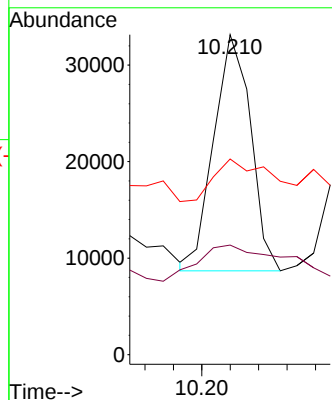
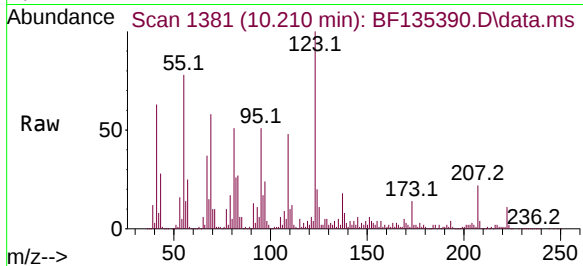




#62
4-Nitroaniline
Concen: 9.602 ng
RT: 10.210 min Scan# 11
Delta R.T. -0.170 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

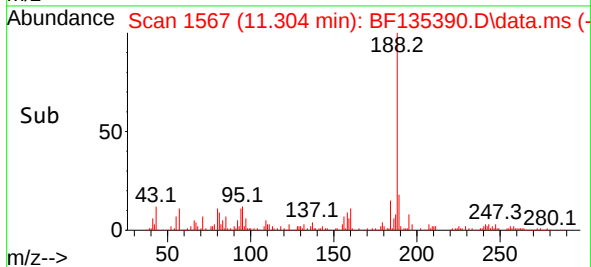
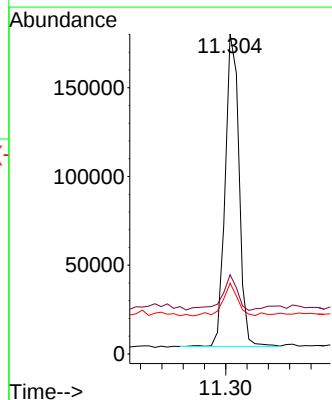
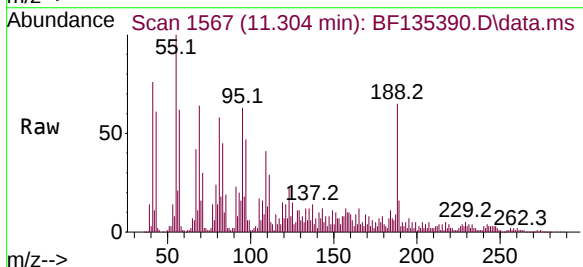
Instrument :
BNA_F
ClientSampleId :
B103-06

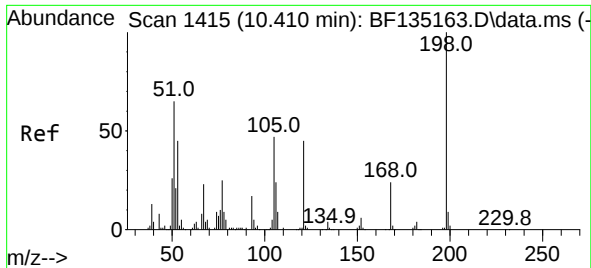
Tgt Ion:138 Resp: 22016
Ion Ratio Lower Upper
138 100
92 34.2 31.8 71.8
108 61.2 52.0 92.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. 0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion:188 Resp: 158890
Ion Ratio Lower Upper
188 100
94 24.8 7.0 10.6#
80 22.1 7.5 11.3#

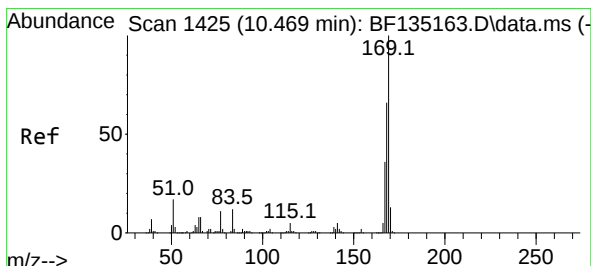
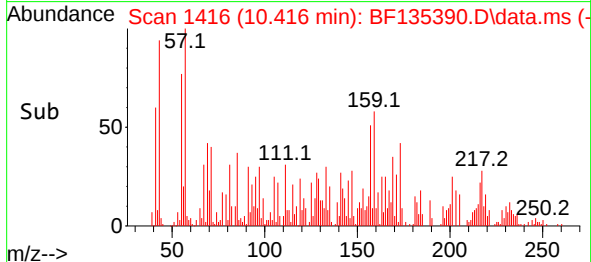
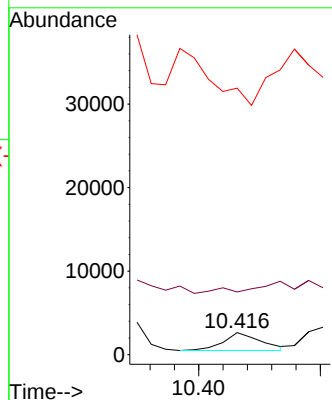
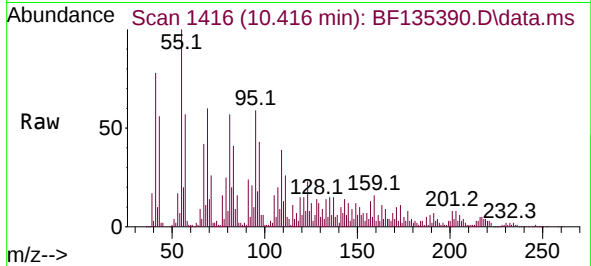




#65
4,6-Dinitro-2-methylphenol
Concen: 2.680 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

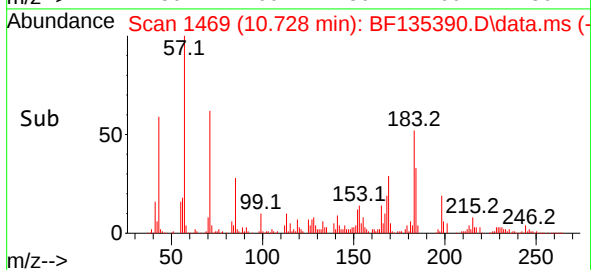
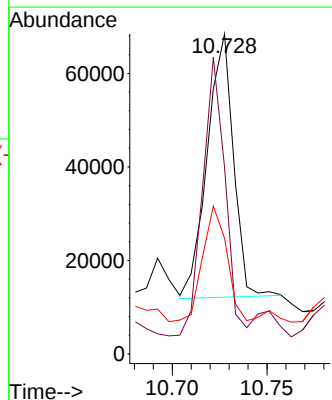
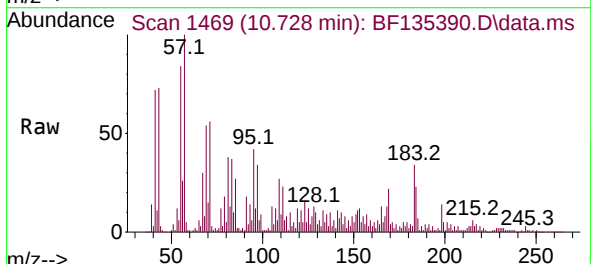
Instrument :
BNA_F
ClientSampleId :
B103-06

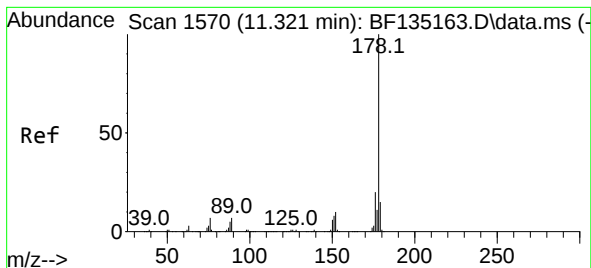
Tgt Ion:198 Resp: 2262
Ion Ratio Lower Upper
198 100
51 284.4 47.7 87.7#
105 1209.2 27.4 67.4#



#66
n-Nitrosodiphenylamine
Concen: 11.306 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.259 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion:169 Resp: 54386
Ion Ratio Lower Upper
169 100
168 58.4 52.8 79.2
167 36.2 29.0 43.6





#71

Phenanthrene

Concen: 6.623 ng

RT: 11.328 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

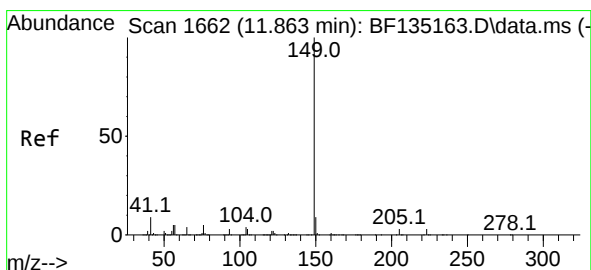
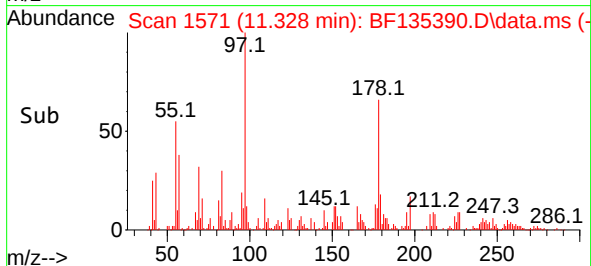
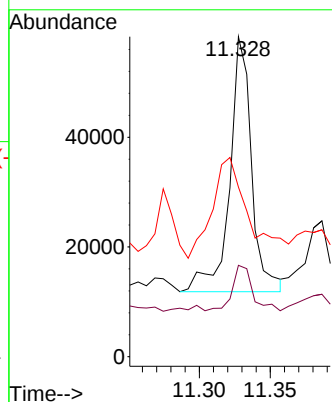
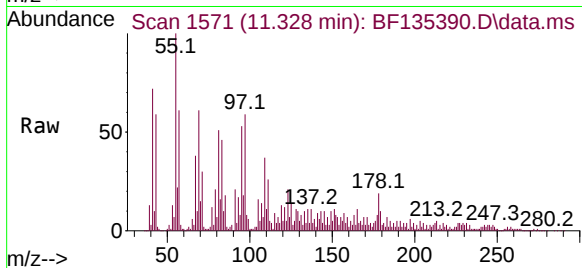
Tgt Ion:178 Resp: 49771

Ion Ratio Lower Upper

178 100

176 28.6 15.6 23.4#

179 53.0 12.0 18.0#



#74

Di-n-butylphthalate

Concen: 3.119 ng

RT: 11.857 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

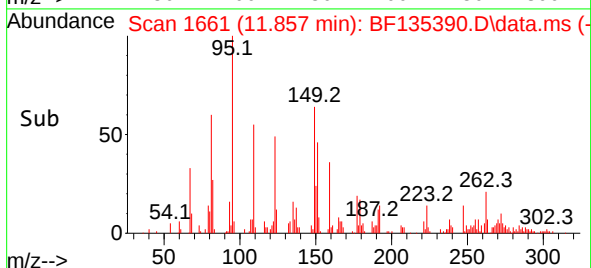
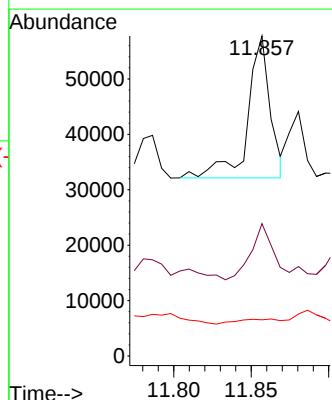
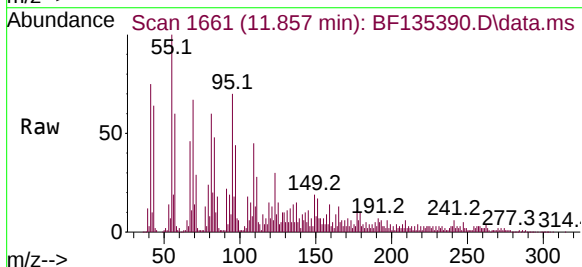
Tgt Ion:149 Resp: 25841

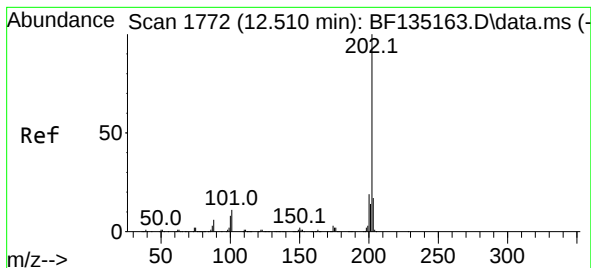
Ion Ratio Lower Upper

149 100

150 41.3 7.4 11.0#

104 11.3 3.6 5.4#





#75

Fluoranthene

Concen: 15.017 ng

RT: 12.533 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

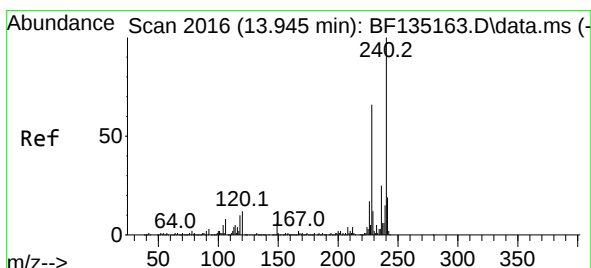
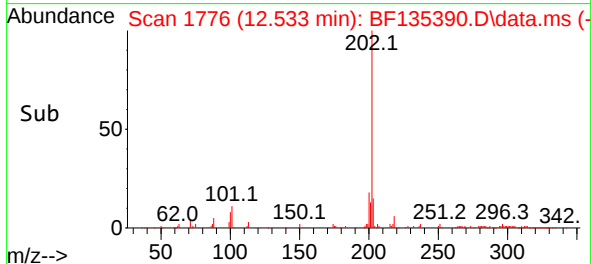
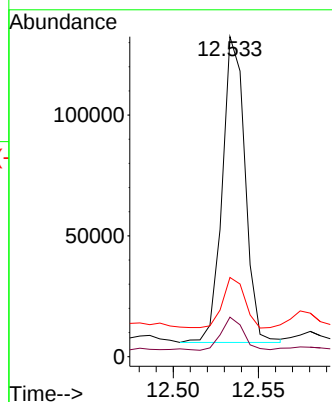
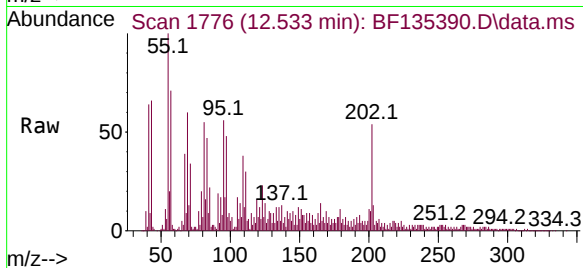
Tgt Ion:202 Resp: 117592

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.3

203 24.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.012 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

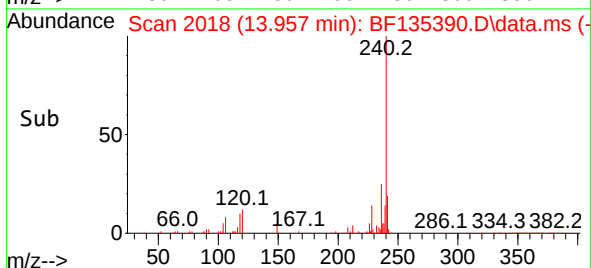
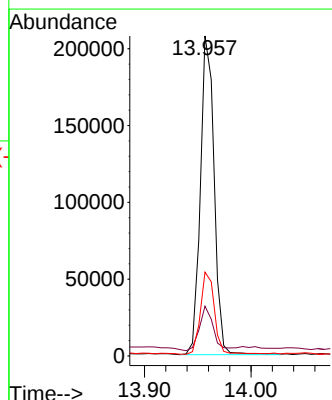
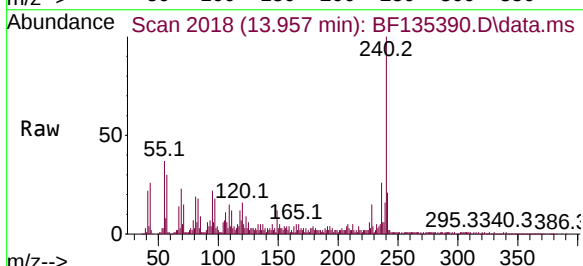
Tgt Ion:240 Resp: 186958

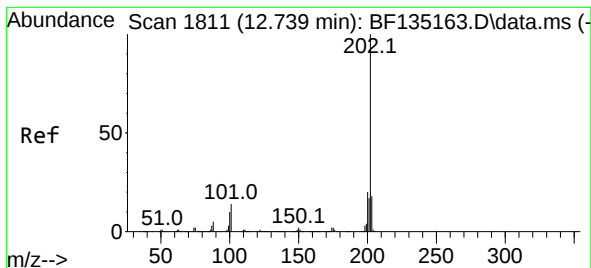
Ion Ratio Lower Upper

240 100

120 15.6 9.4 14.2#

236 26.2 19.8 29.8





#78

Pyrene

Concen: 6.605 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.024 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

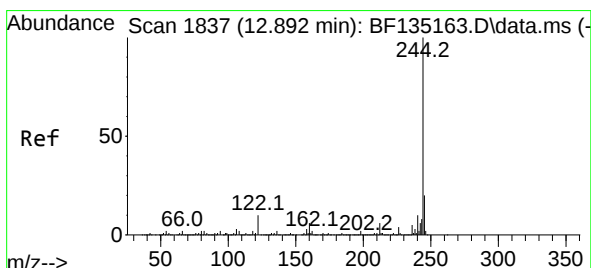
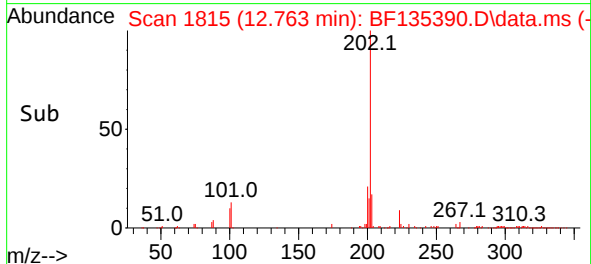
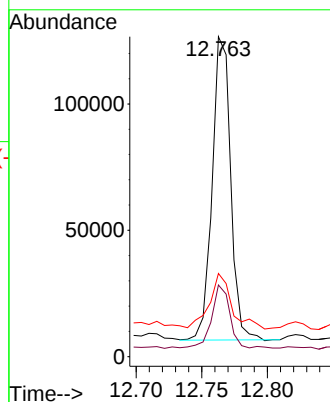
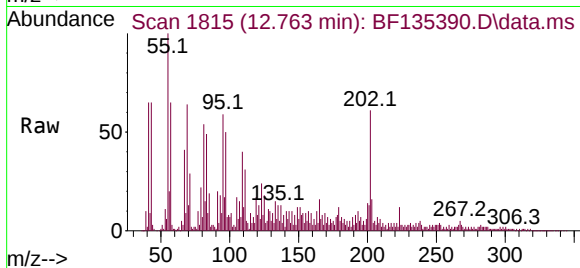
Tgt Ion:202 Resp: 117570

Ion Ratio Lower Upper

202 100

200 22.4 16.2 24.2

203 26.0 14.2 21.4#



#79

Terphenyl-d14

Concen: 10.904 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.012 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

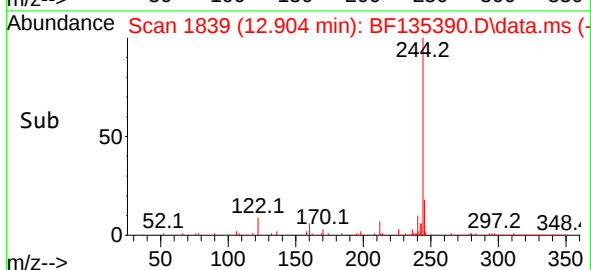
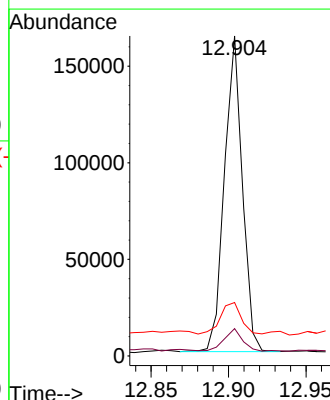
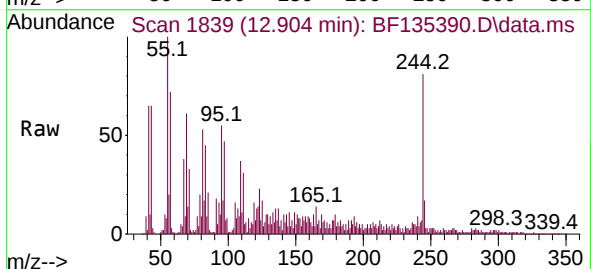
Tgt Ion:244 Resp: 131506

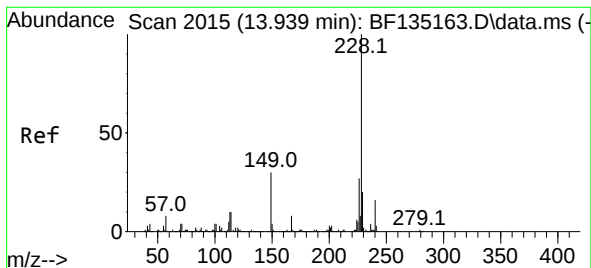
Ion Ratio Lower Upper

244 100

212 8.5 5.1 7.7#

122 16.7 7.9 11.9#





#81

Benzo(a)anthracene

Concen: 8.424 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.047 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

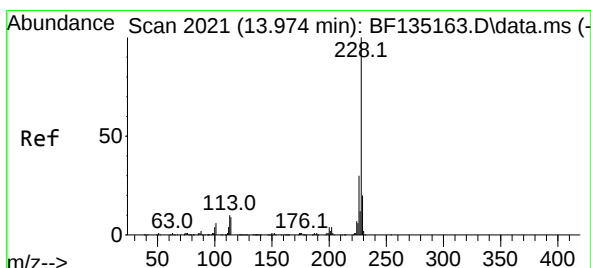
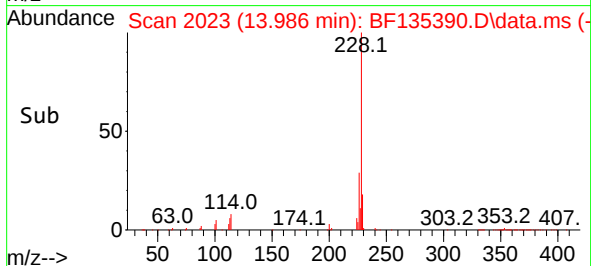
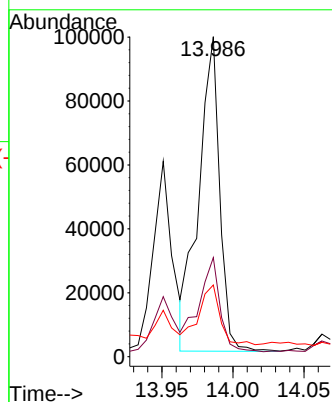
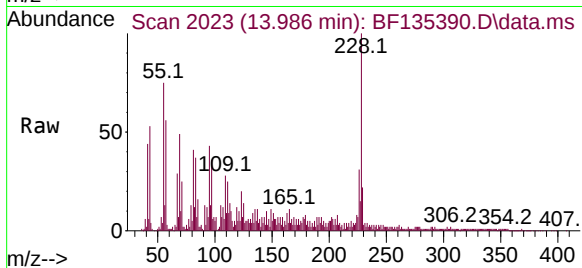
Tgt Ion:228 Resp: 101700

Ion Ratio Lower Upper

228 100

226 30.9 21.7 32.5

229 22.4 15.8 23.8



#83

Chrysene

Concen: 8.473 ng

RT: 13.986 min Scan# 2023

Delta R.T. 0.012 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

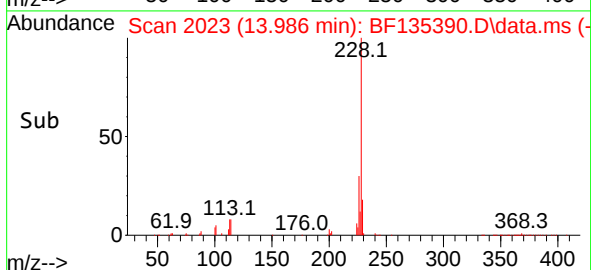
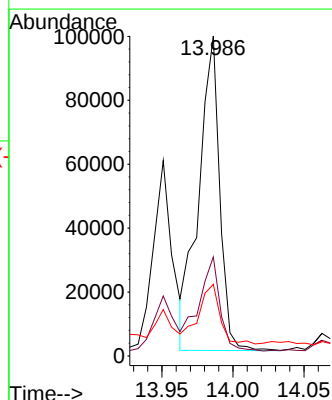
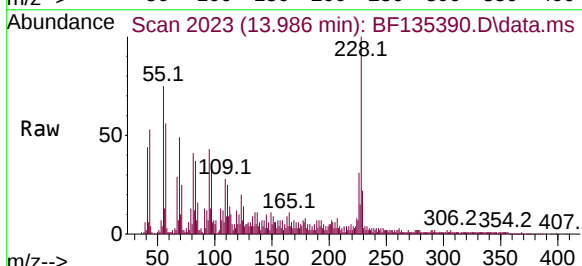
Tgt Ion:228 Resp: 101700

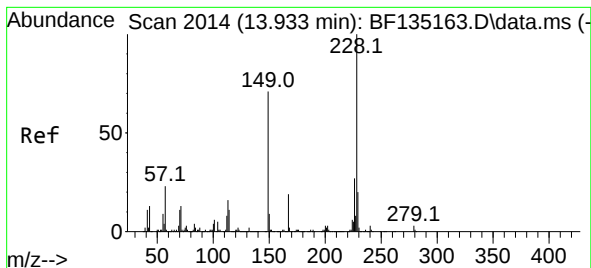
Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 22.4 16.0 24.0

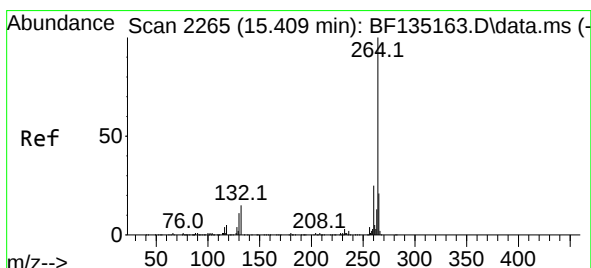
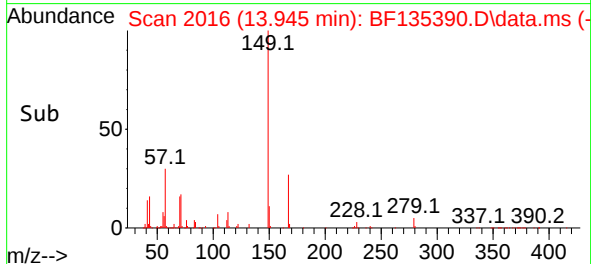
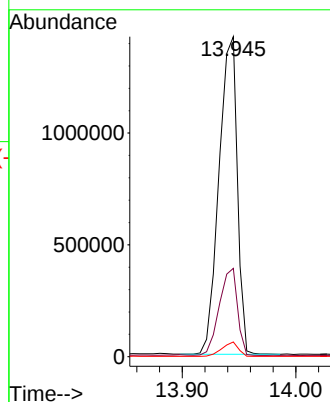
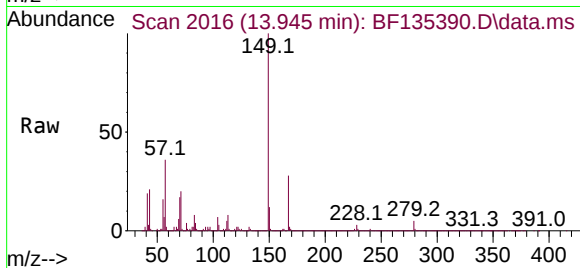




#84
Bis(2-ethylhexyl)phthalate
Concen: 248.022 ng
RT: 13.945 min Scan# 2014
Delta R.T. 0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

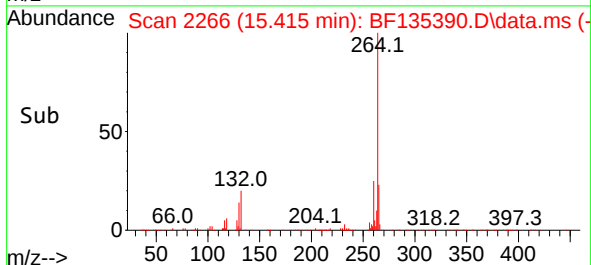
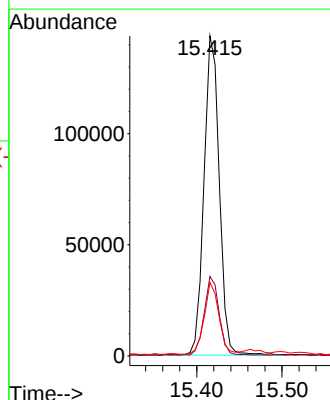
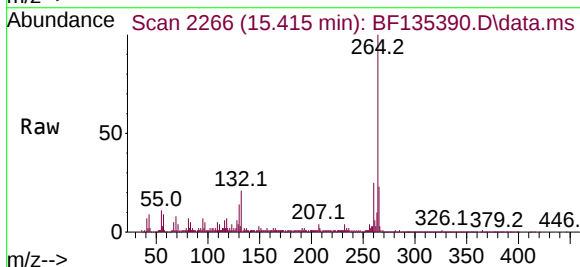
Instrument :
BNA_F
ClientSampleId :
B103-06

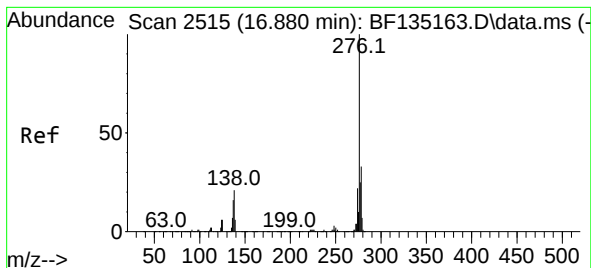
Tgt Ion:149 Resp: 1595045
Ion Ratio Lower Upper
149 100
167 27.6 21.9 32.9
279 4.6 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion:264 Resp: 179127
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.6
265 23.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.457 ng

RT: 16.898 min Scan# 2194

Delta R.T. 0.018 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

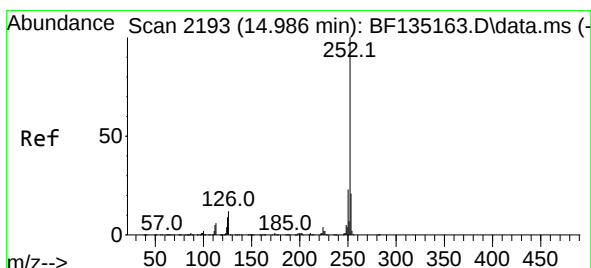
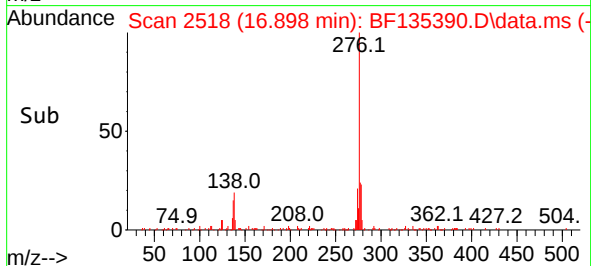
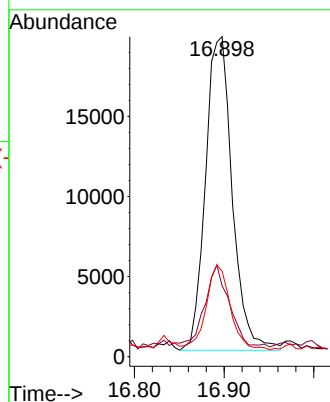
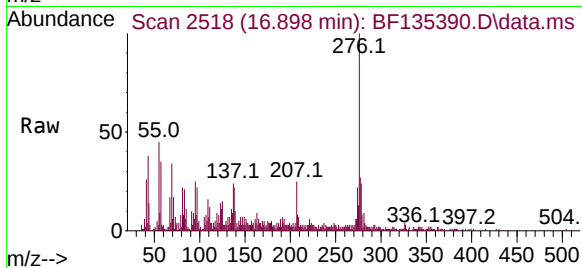
Tgt Ion:276 Resp: 40596

Ion Ratio Lower Upper

276 100

138 23.7 19.2 28.8

277 24.3 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 16.073 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

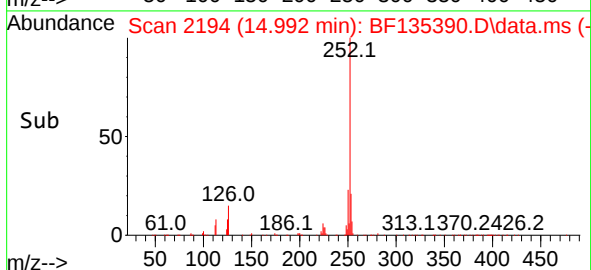
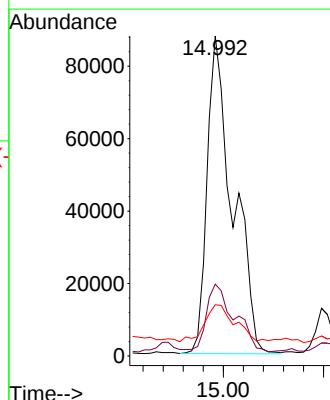
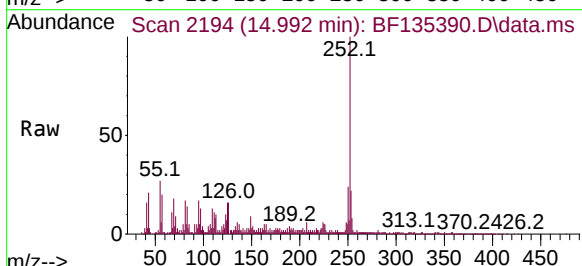
Tgt Ion:252 Resp: 155855

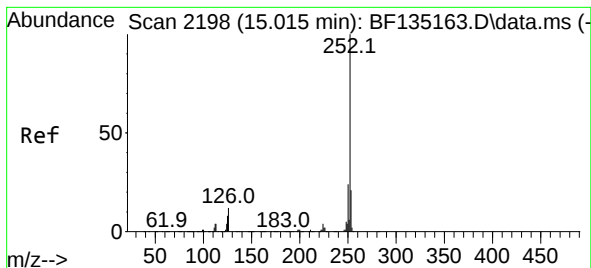
Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 16.0 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 16.271 ng

RT: 14.992 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

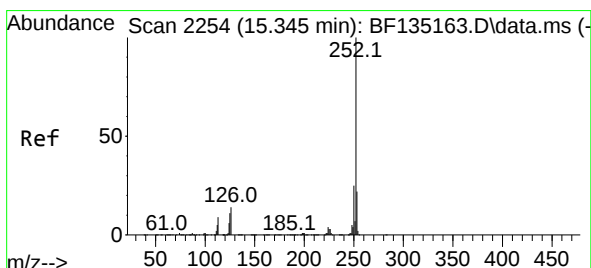
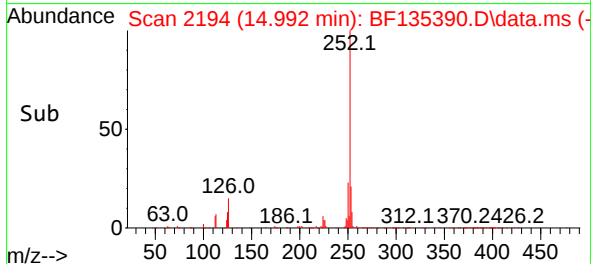
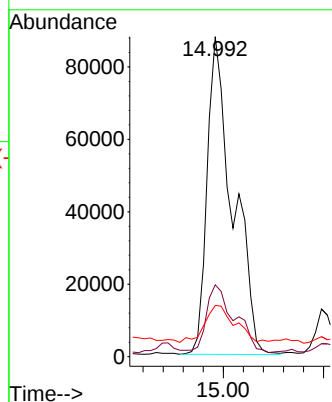
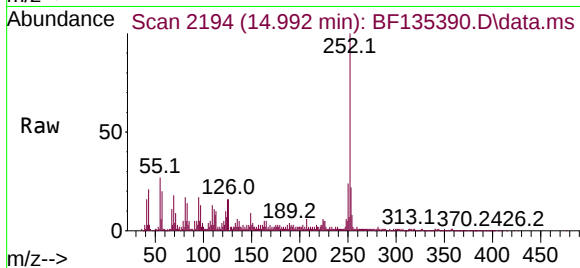
Tgt Ion:252 Resp: 155855

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 16.0 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 5.912 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.012 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

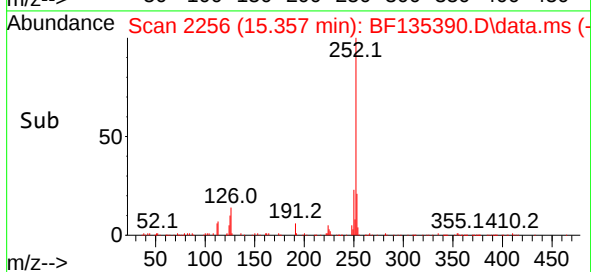
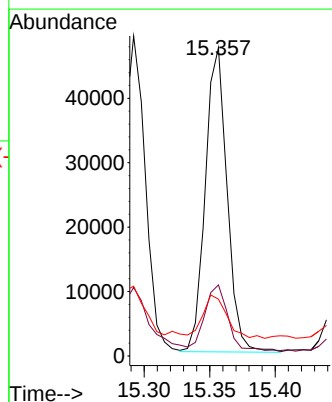
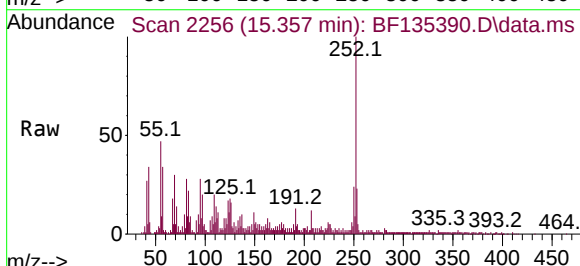
Tgt Ion:252 Resp: 54672

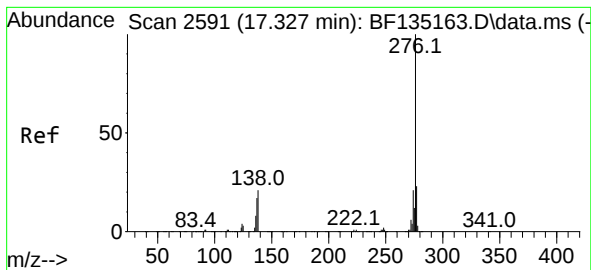
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 18.4 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 3.855 ng

RT: 17.345 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135390.D

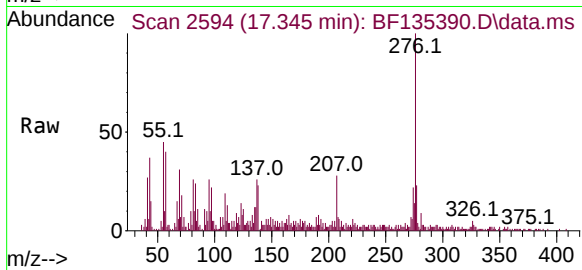
Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06



Tgt Ion:276 Resp: 38691

Ion Ratio Lower Upper

276 100

277 22.5 18.8 28.2

138 23.3 16.9 25.3

