

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135461.D
 Acq On : 26 Sep 2023 19:29
 Operator : CG\JU
 Sample : 04566-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B102-08-2

Quant Time: Sep 27 02:16:24 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 26 01:36:36 2023
 Response via : Initial Calibration

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

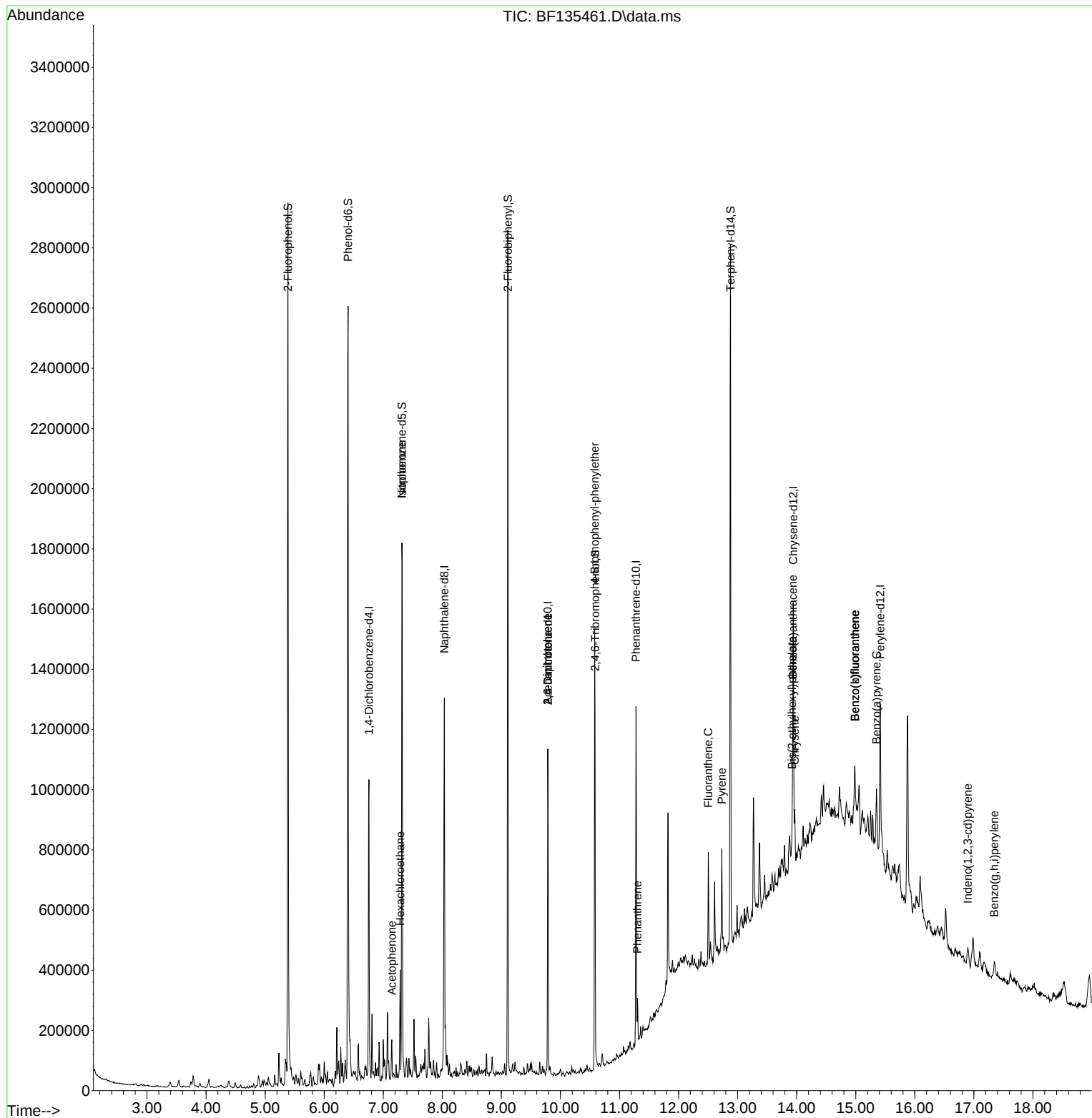
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	152236	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	510299	20.000	ng	# 0.00
39) Acenaphthene-d10	9.786	164	210547	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	405404	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	292778	20.000	ng	0.00
86) Perylene-d12	15.415	264	230645	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.386	112	809677	86.504	ng	0.00
7) Phenol-d6	6.404	99	978333	82.200	ng	0.00
23) Nitrobenzene-d5	7.316	82	561784	59.811	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	164402	78.574	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	808752	57.953	ng	0.00
79) Terphenyl-d14	12.880	244	851954	45.109	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.286	117	15467	4.052	ng	# 1
22) Acetophenone	7.145	105	35299	3.026	ng	# 48
25) Isophorone	7.316	82	561131	32.534	ng	# 65
51) 2,6-Dinitrotoluene	9.786	165	27029	8.667	ng	# 17
57) 2,4-Dinitrotoluene	9.786	165	27029	6.923	ng	# 19
67) 4-Bromophenyl-phenylether	10.580	248	10686	2.650	ng	# 1
71) Phenanthrene	11.304	178	50333	2.625	ng	96
75) Fluoranthene	12.504	202	139007	6.958	ng	97
78) Pyrene	12.733	202	137597	4.936	ng	98
81) Benzo(a)anthracene	13.933	228	68498	3.623	ng	98
83) Chrysene	13.968	228	76314	4.060	ng	98
84) Bis(2-ethylhexyl)phtha...	13.921	149	29924	2.971	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	39479	2.611	ng	99
88) Benzo(b)fluoranthene	14.986	252	111299	8.914	ng	# 81
89) Benzo(k)fluoranthene	14.986	252	111299	9.024	ng	# 81
90) Benzo(a)pyrene	15.351	252	55430	4.655	ng	# 83
92) Benzo(g,h,i)perylene	17.345	276	45064	3.487	ng	# 90

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

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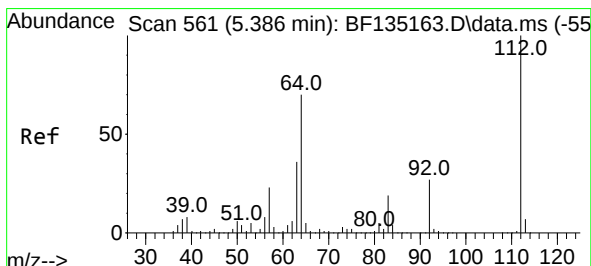
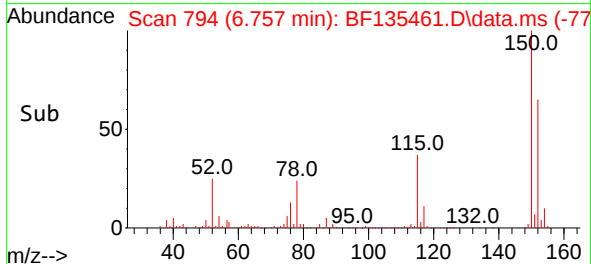
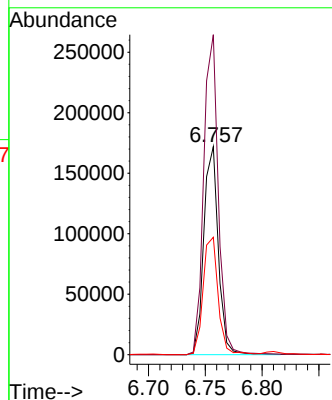
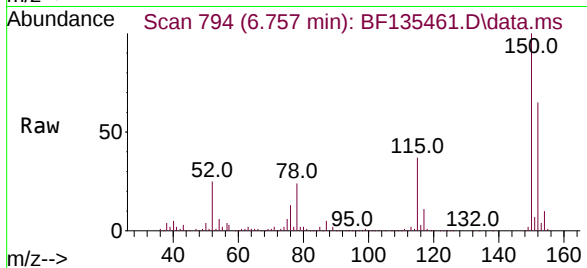




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 795
 Delta R.T. 0.006 min
 Lab File: BF135461.D
 Acq: 26 Sep 2023 19:29

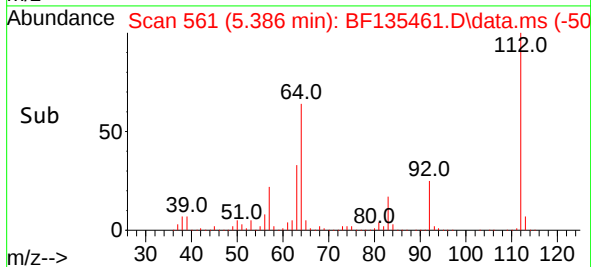
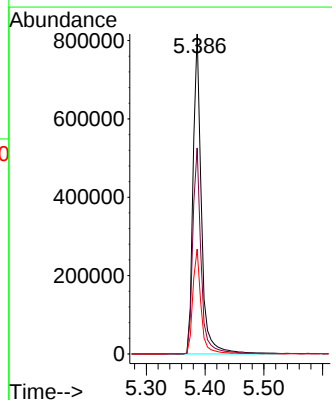
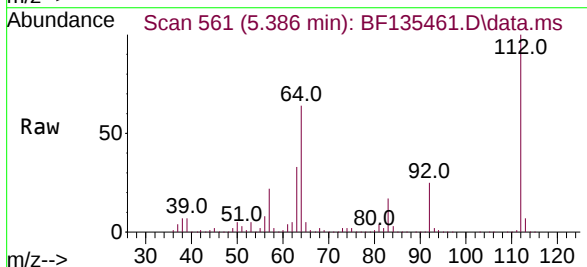
Instrument :
 BNA_F
 ClientSampleId :
 B102-08-2

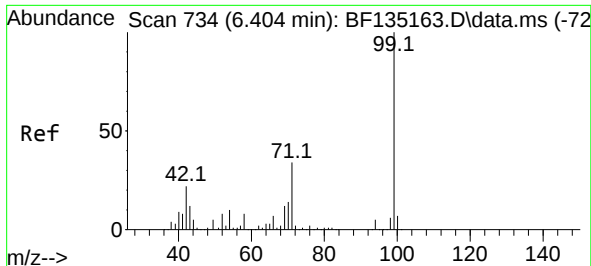
Tgt Ion:152 Resp: 152236
 Ion Ratio Lower Upper
 152 100
 150 153.9 127.8 191.6
 115 56.4 49.8 74.8



#5
 2-Fluorophenol
 Concen: 86.504 ng
 RT: 5.386 min Scan# 561
 Delta R.T. 0.006 min
 Lab File: BF135461.D
 Acq: 26 Sep 2023 19:29

Tgt Ion:112 Resp: 809677
 Ion Ratio Lower Upper
 112 100
 64 64.4 55.9 83.9
 63 32.8 29.0 43.6

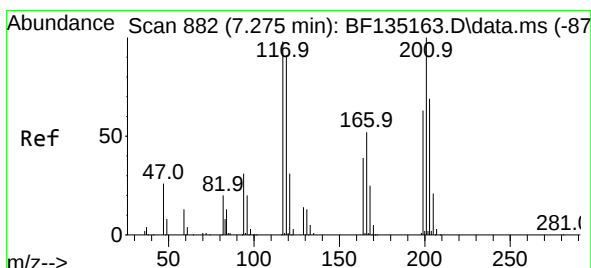
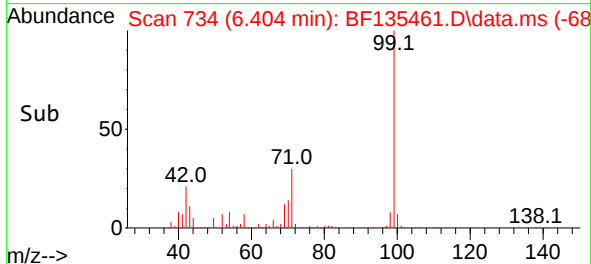
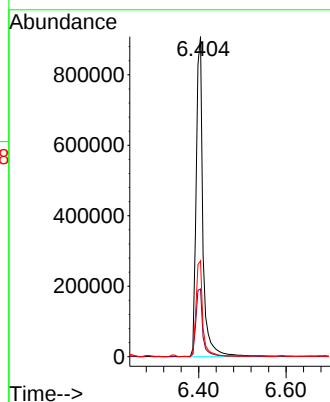
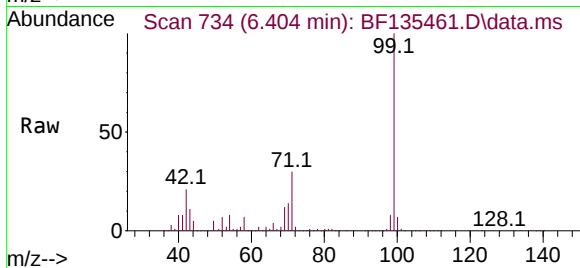




#7
Phenol-d6
Concen: 82.200 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

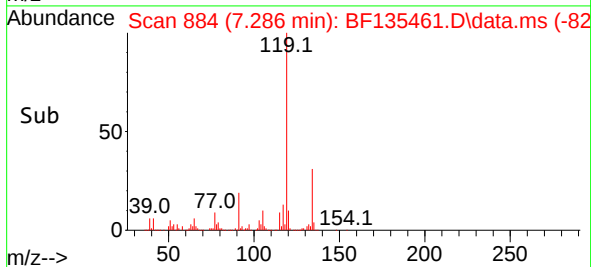
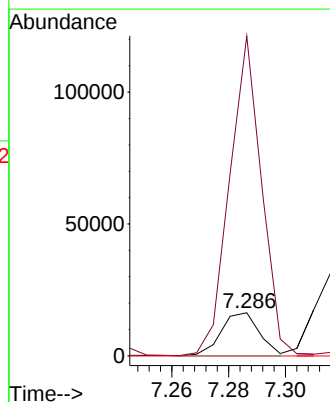
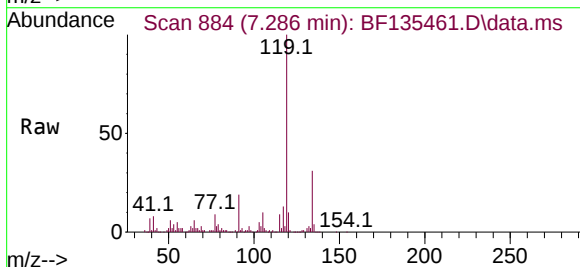
Instrument :
BNA_F
ClientSampleId :
B102-08-2

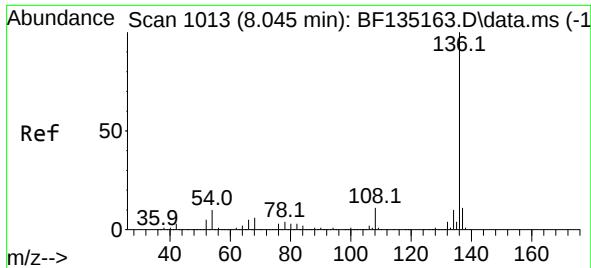
Tgt Ion: 99 Resp: 978333
Ion Ratio Lower Upper
99 100
42 21.2 17.9 26.9
71 29.9 27.0 40.6



#18
Hexachloroethane
Concen: 4.052 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.029 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

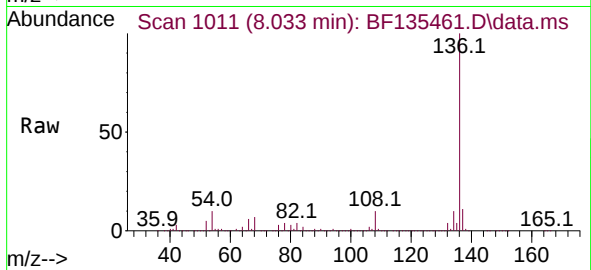
Tgt Ion: 117 Resp: 15467
Ion Ratio Lower Upper
117 100
119 741.5 74.7 112.1#
201 0.0 81.8 122.8#



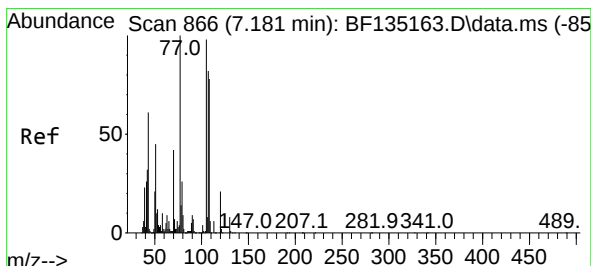
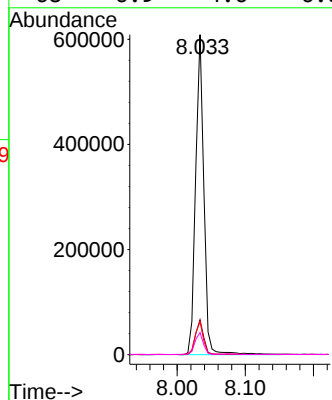
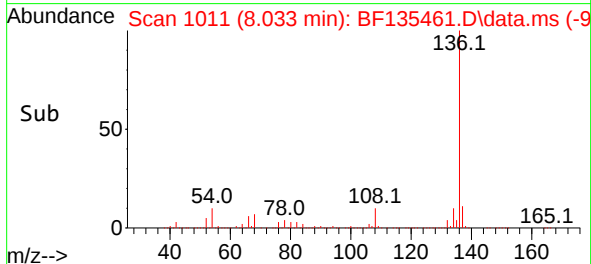


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

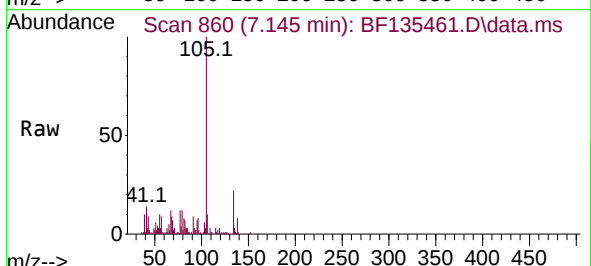
Instrument :
BNA_F
ClientSampleId :
B102-08-2



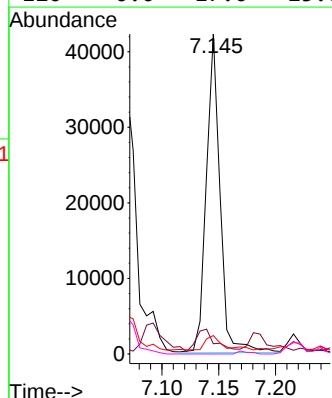
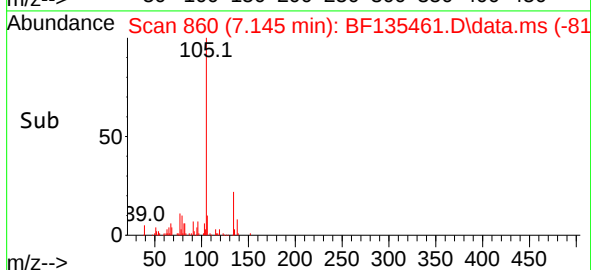
Tgt Ion:136 Resp: 510299
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.3 7.7 11.5
68 6.9 4.6 6.8#

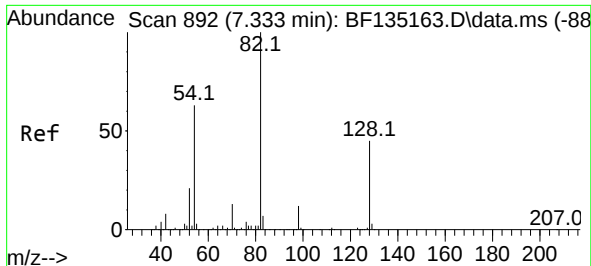


#22
Acetophenone
Concen: 3.026 ng
RT: 7.145 min Scan# 860
Delta R.T. -0.024 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29



Tgt Ion:105 Resp: 35299
Ion Ratio Lower Upper
105 100
71 3.2 5.8 8.6#
51 5.8 37.0 55.4#
120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 59.811 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.006 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

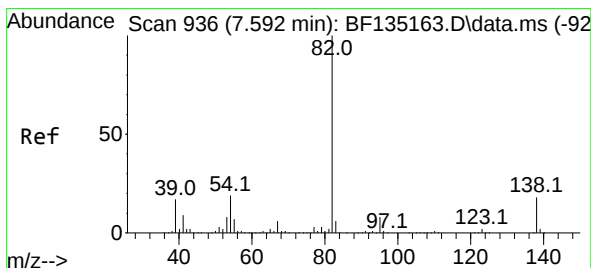
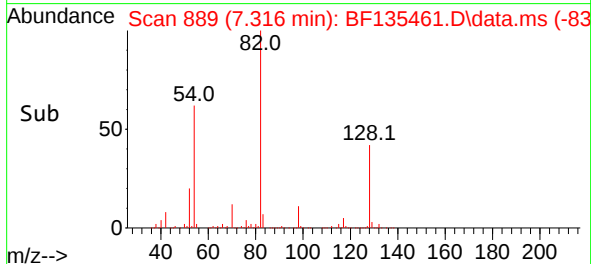
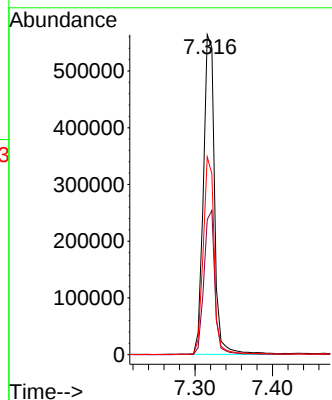
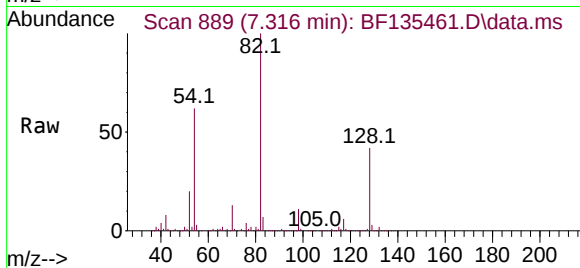
Tgt Ion: 82 Resp: 561784

Ion Ratio Lower Upper

82 100

128 42.2 35.8 53.6

54 61.8 50.6 76.0



#25

Isophorone

Concen: 32.534 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.265 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

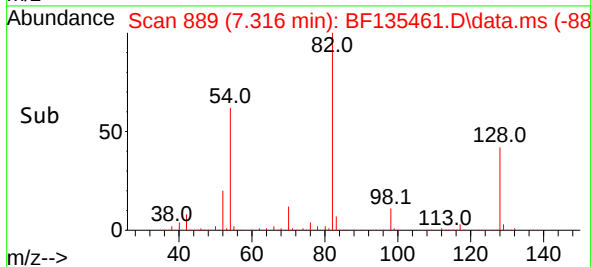
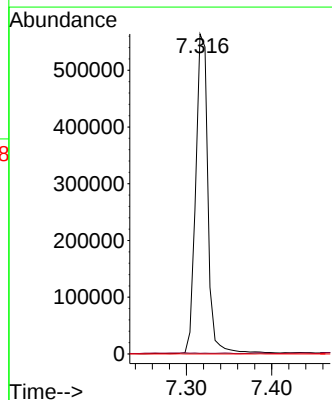
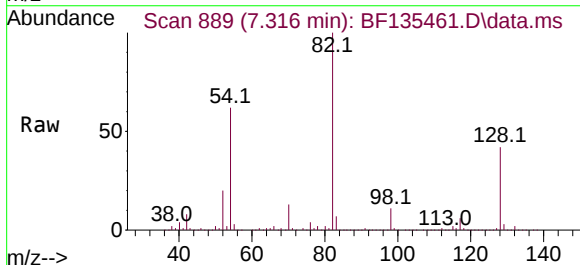
Tgt Ion: 82 Resp: 561131

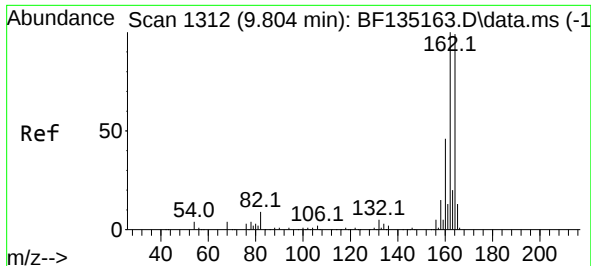
Ion Ratio Lower Upper

82 100

95 0.2 6.0 9.0#

138 0.0 14.5 21.7#

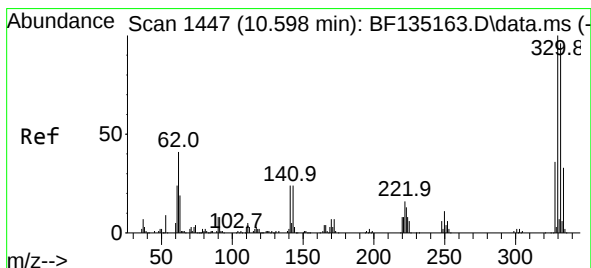
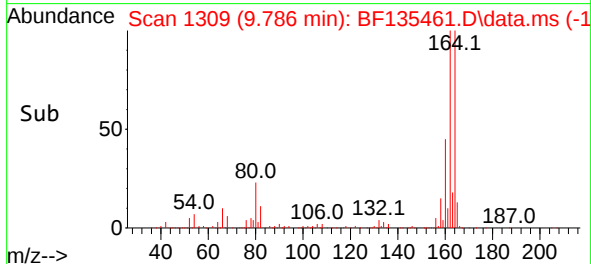
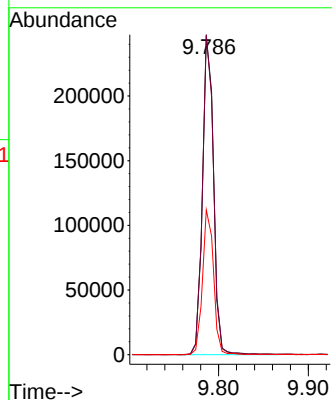
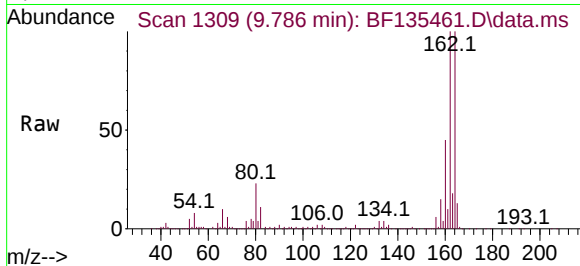




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

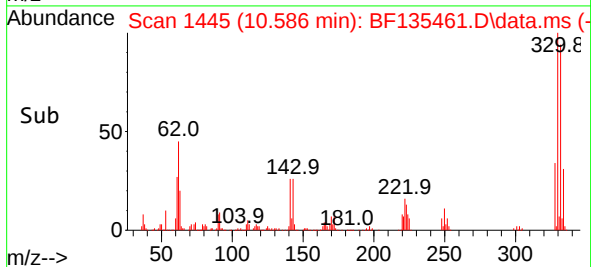
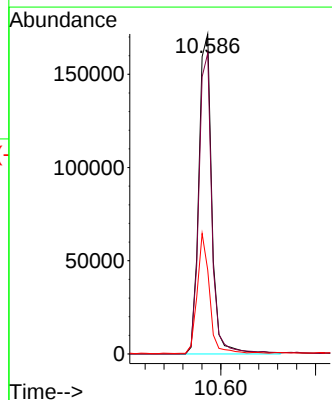
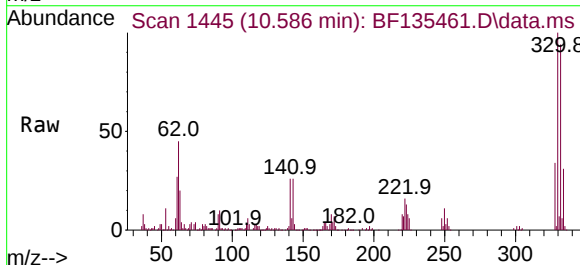
Instrument :
BNA_F
ClientSampleId :
B102-08-2

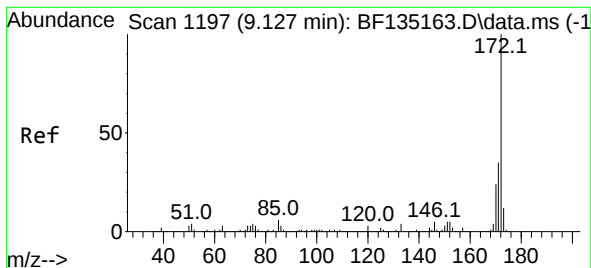
Tgt Ion:164 Resp: 210547
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 45.4 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 78.574 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:330 Resp: 164402
Ion Ratio Lower Upper
330 100
332 94.5 77.3 115.9
141 35.1 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 57.953 ng

RT: 9.110 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

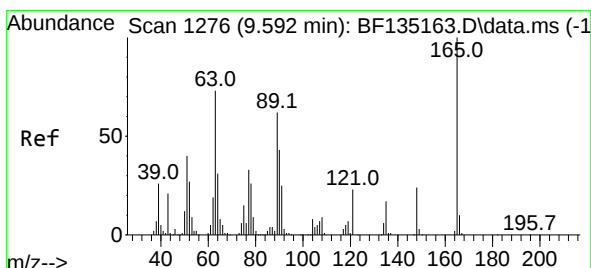
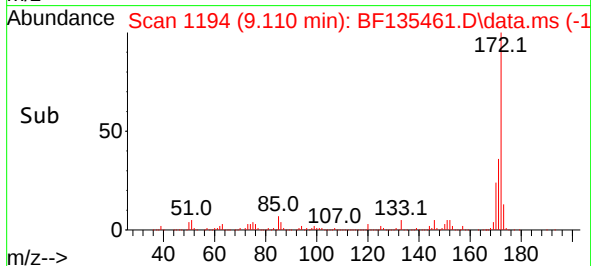
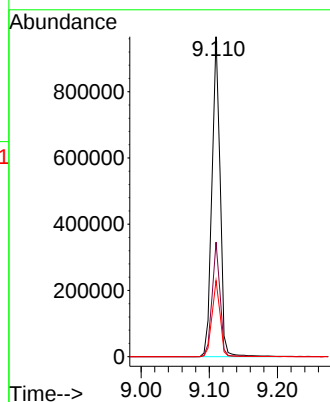
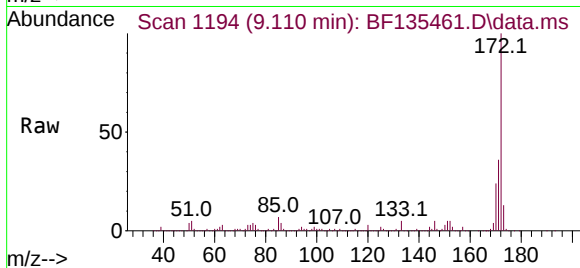
Tgt Ion:172 Resp: 808752

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.8 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 8.667 ng

RT: 9.786 min Scan# 1309

Delta R.T. 0.200 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

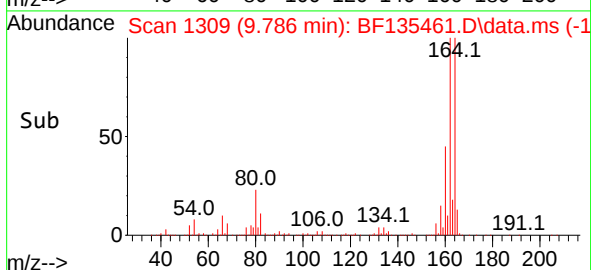
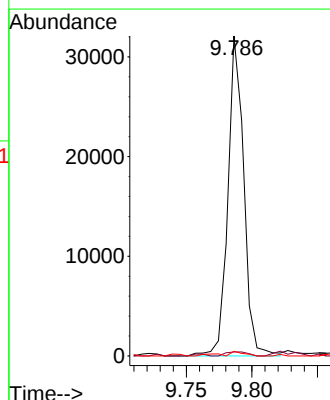
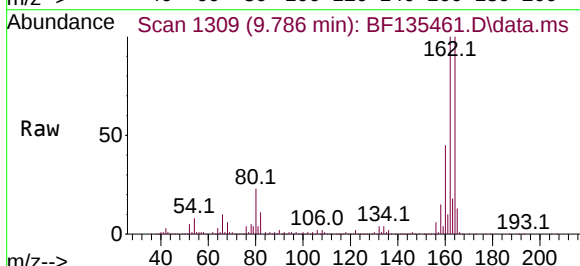
Tgt Ion:165 Resp: 27029

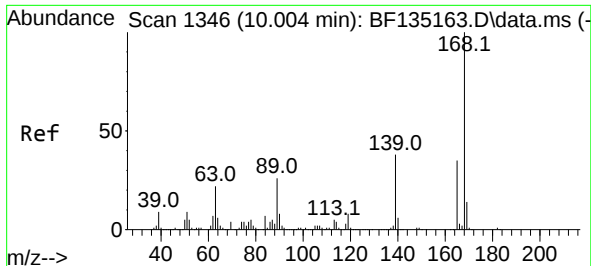
Ion Ratio Lower Upper

165 100

63 1.2 59.4 89.2#

89 1.5 49.8 74.8#

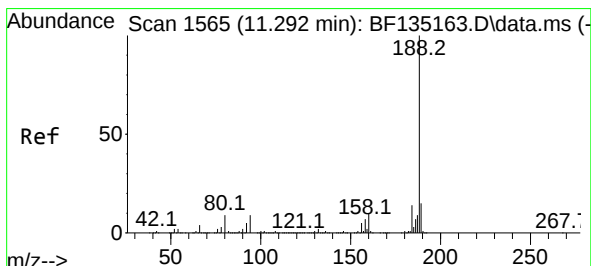
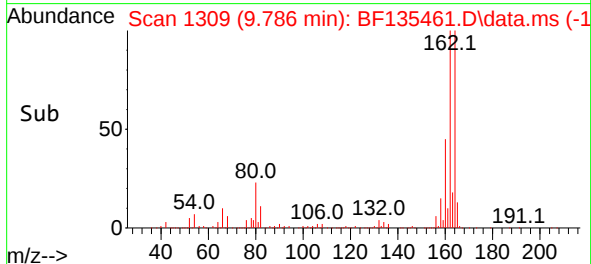
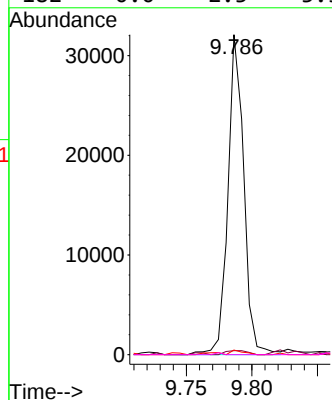
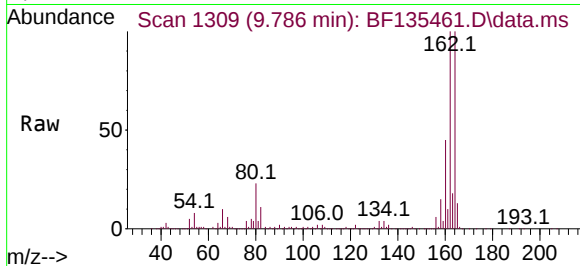




#57
2,4-Dinitrotoluene
Concen: 6.923 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

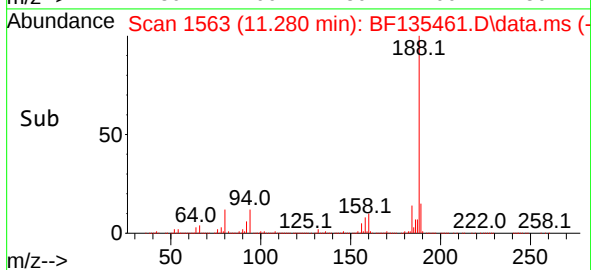
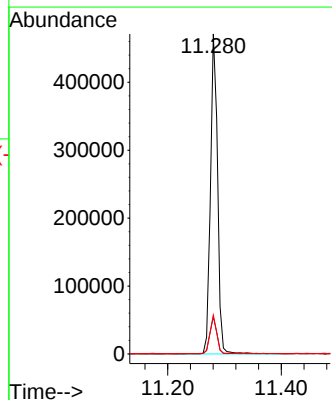
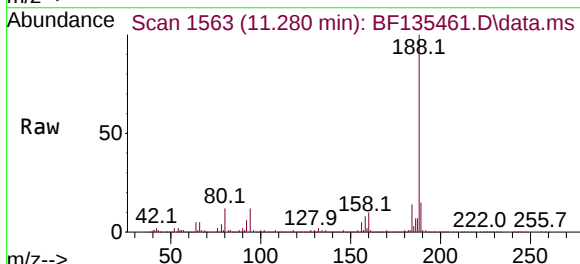
Instrument :
BNA_F
ClientSampleId :
B102-08-2

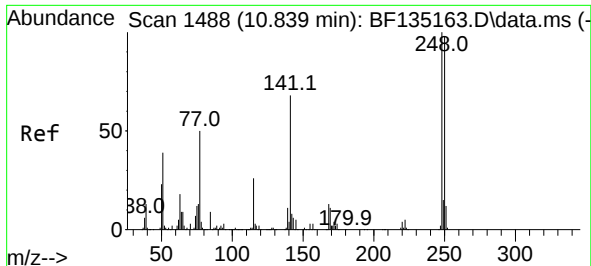
Tgt Ion:165 Resp: 27029
Ion Ratio Lower Upper
165 100
63 1.2 50.1 75.1#
89 1.5 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:188 Resp: 405404
Ion Ratio Lower Upper
188 100
94 11.7 7.0 10.6#
80 12.2 7.5 11.3#

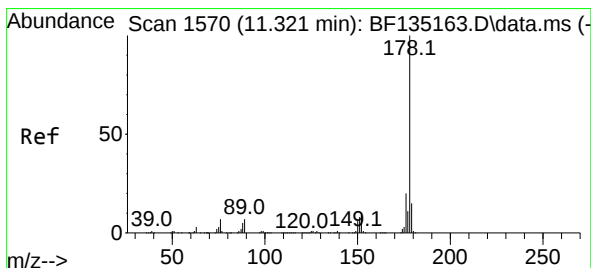
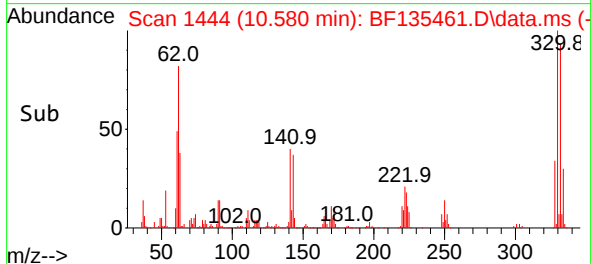
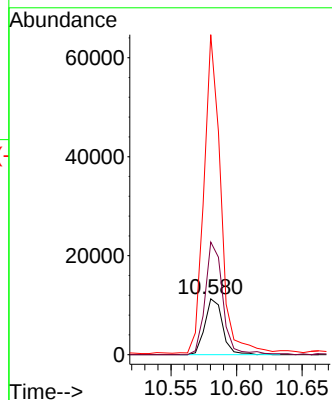
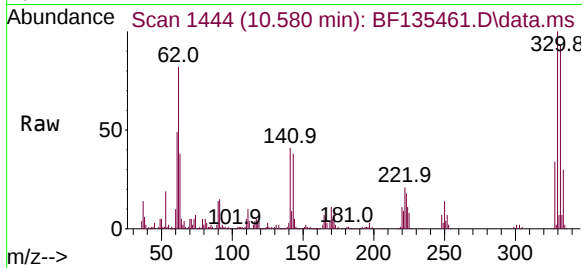




#67
4-Bromophenyl-phenylether
Concen: 2.650 ng
RT: 10.580 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

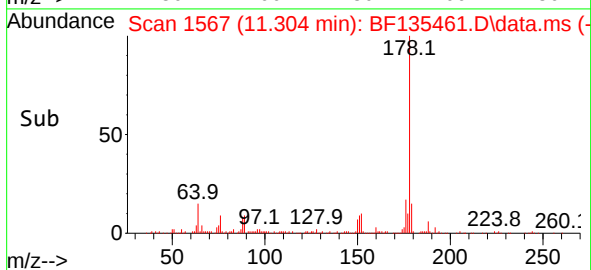
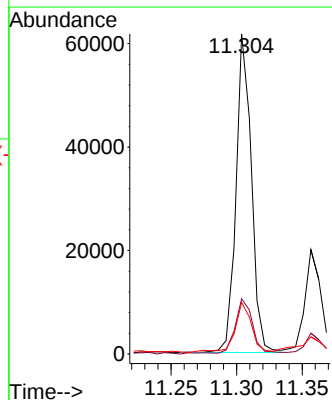
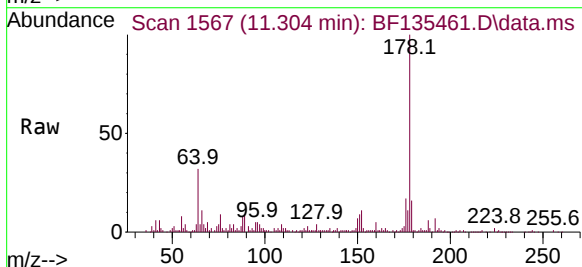
Instrument :
BNA_F
ClientSampleId :
B102-08-2

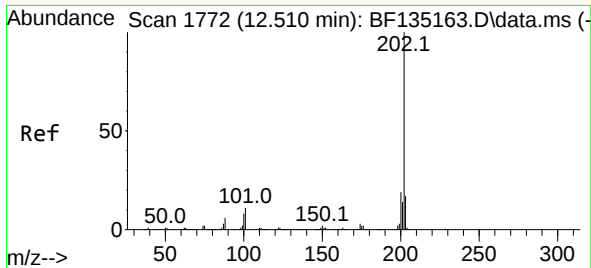
Tgt Ion:248 Resp: 10686
Ion Ratio Lower Upper
248 100
250 201.4 78.6 117.8#
141 572.3 54.2 81.2#



#71
Phenanthrene
Concen: 2.625 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:178 Resp: 50333
Ion Ratio Lower Upper
178 100
176 17.3 15.6 23.4
179 16.1 12.0 18.0

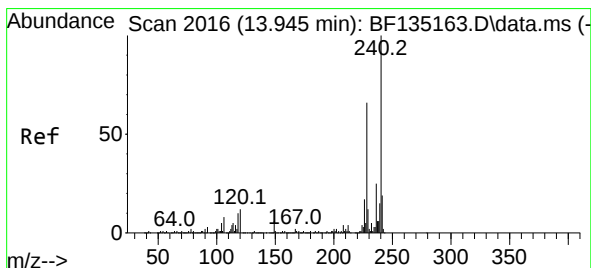
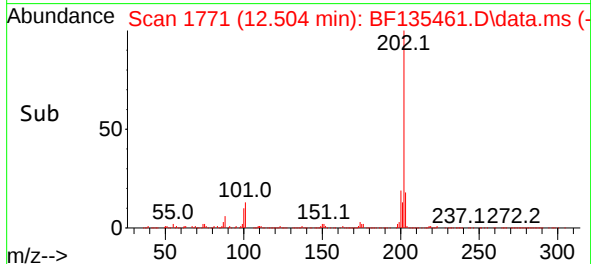
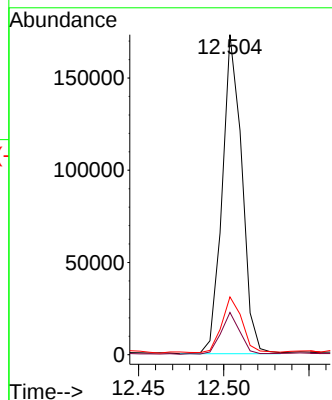
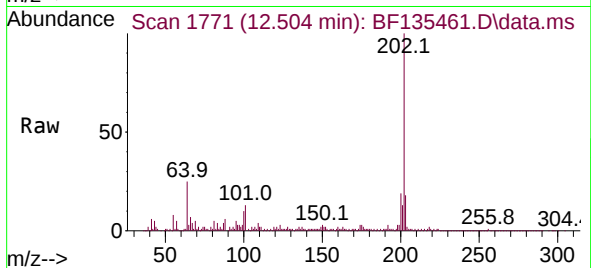




#75
Fluoranthene
Concen: 6.958 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

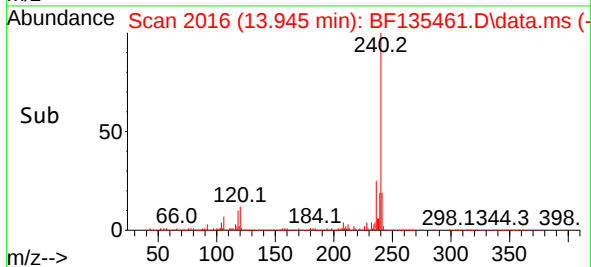
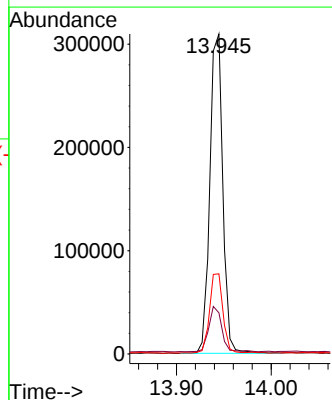
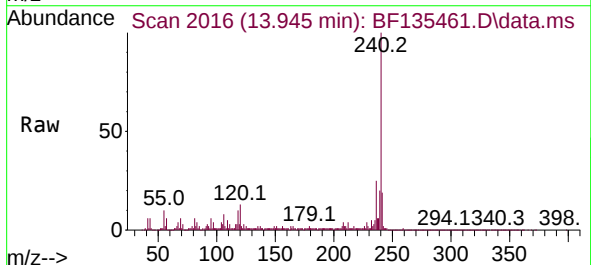
Instrument :
BNA_F
ClientSampleId :
B102-08-2

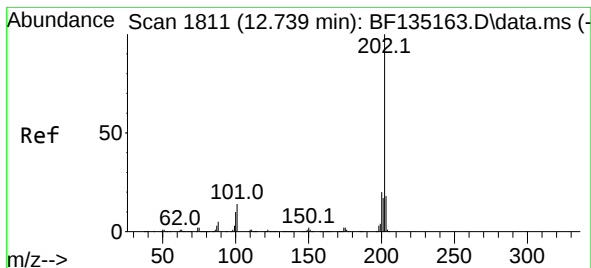
Tgt Ion:202 Resp: 139007
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.3
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:240 Resp: 292778
Ion Ratio Lower Upper
240 100
120 12.8 9.4 14.2
236 25.1 19.8 29.8





#78

Pyrene

Concen: 4.936 ng

RT: 12.733 min Scan# 1811

Delta R.T. -0.000 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

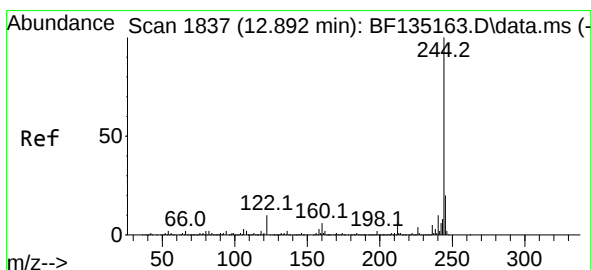
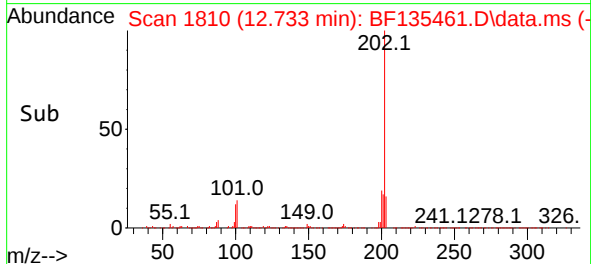
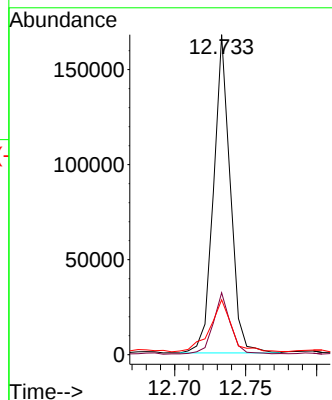
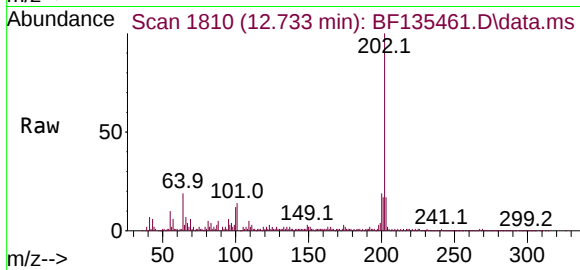
Tgt Ion:202 Resp: 137597

Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 17.1 14.2 21.4



#79

Terphenyl-d14

Concen: 45.109 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.000 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

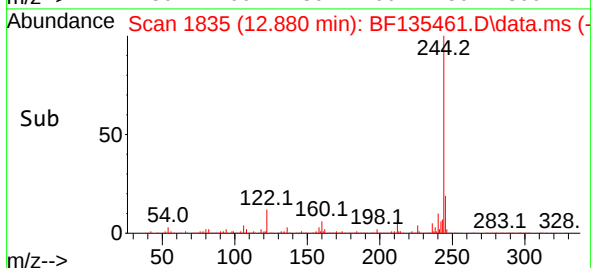
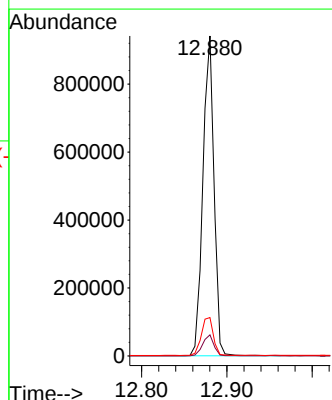
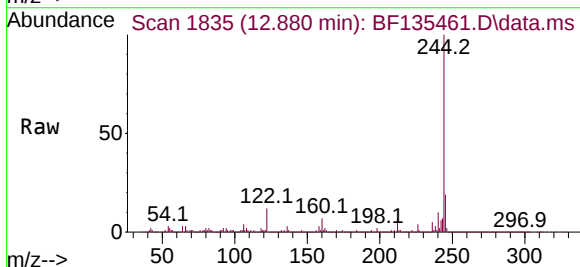
Tgt Ion:244 Resp: 851954

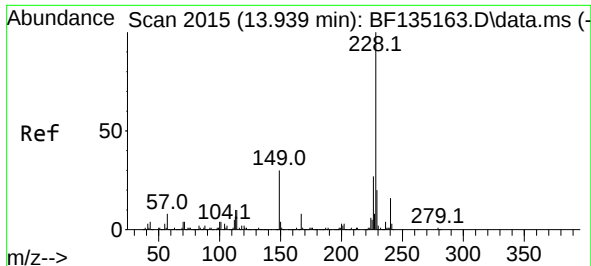
Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 12.0 7.9 11.9#

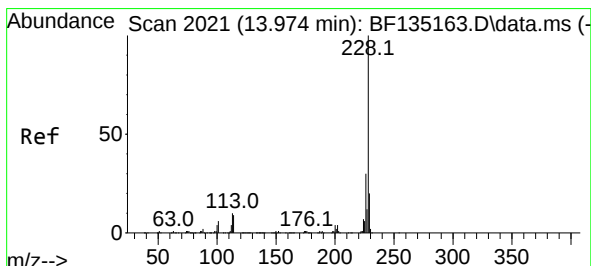
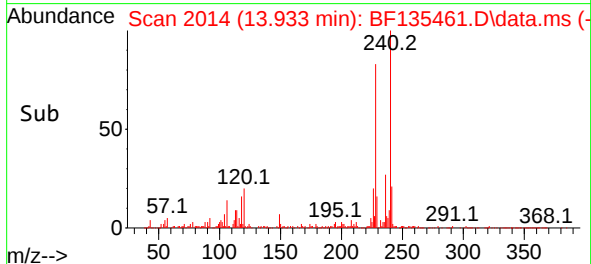
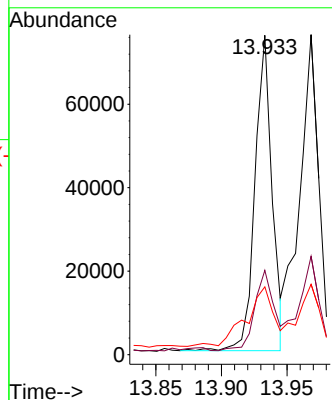
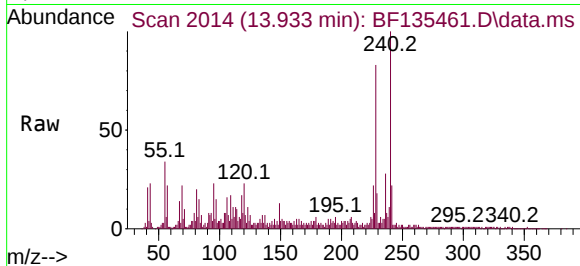




#81
Benzo(a)anthracene
Concen: 3.623 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

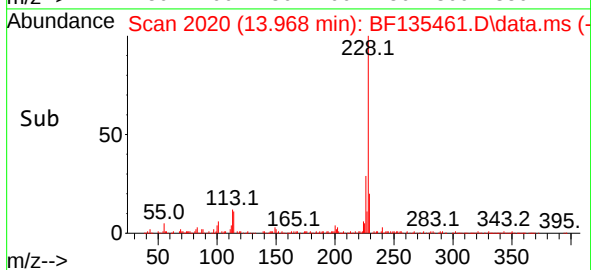
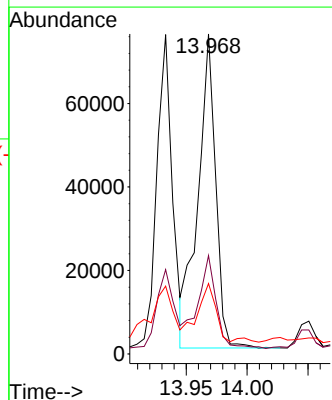
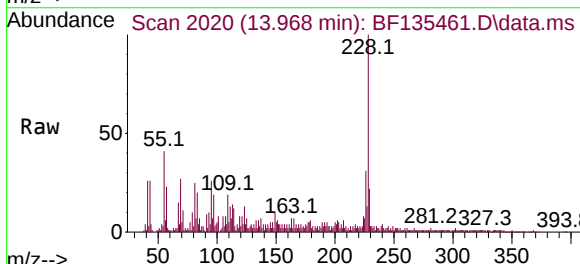
Instrument :
BNA_F
ClientSampleId :
B102-08-2

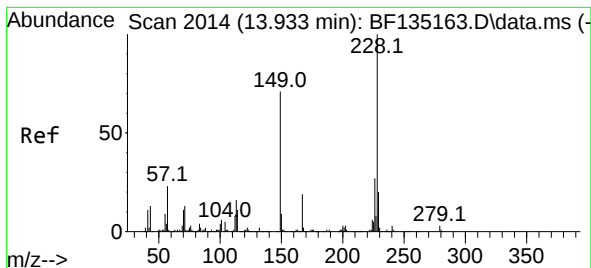
Tgt Ion:228 Resp: 68498
Ion Ratio Lower Upper
228 100
226 26.4 21.7 32.5
229 21.2 15.8 23.8



#83
Chrysene
Concen: 4.060 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:228 Resp: 76314
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 22.0 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.971 ng

RT: 13.921 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

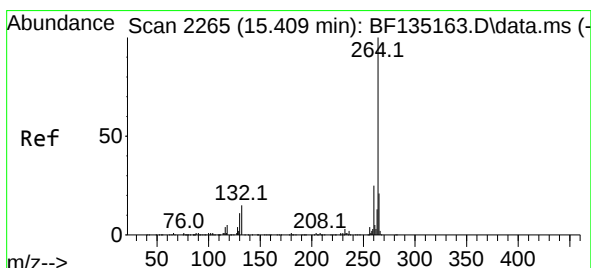
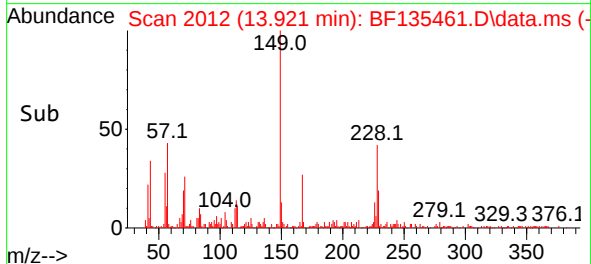
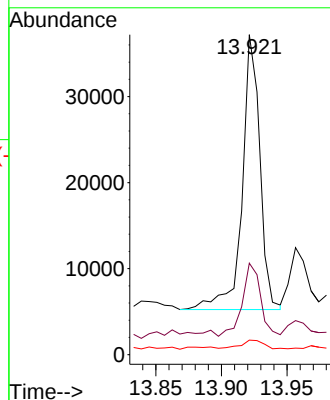
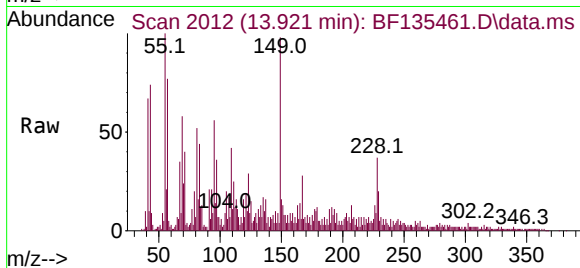
Tgt Ion:149 Resp: 29924

Ion Ratio Lower Upper

149 100

167 28.6 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. 0.012 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

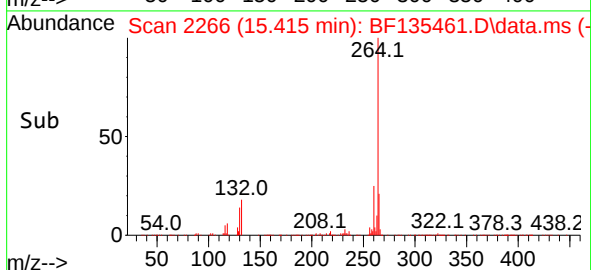
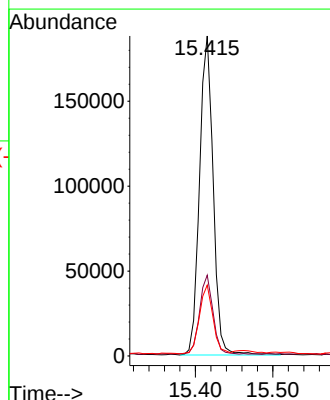
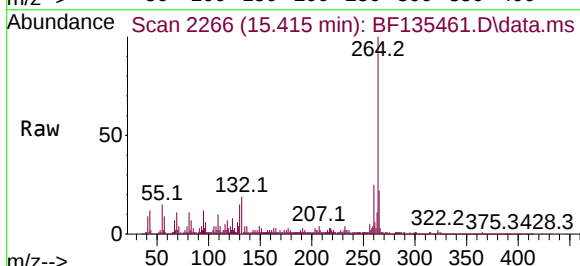
Tgt Ion:264 Resp: 230645

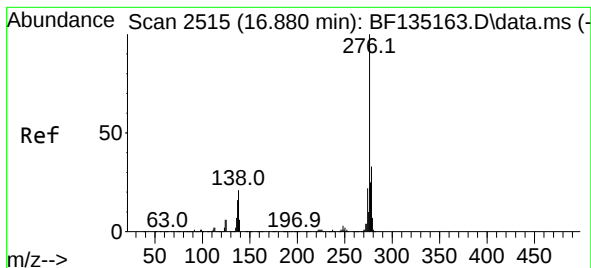
Ion Ratio Lower Upper

264 100

260 25.3 19.8 29.6

265 22.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.611 ng

RT: 16.898 min Scan# 2118

Delta R.T. 0.012 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2

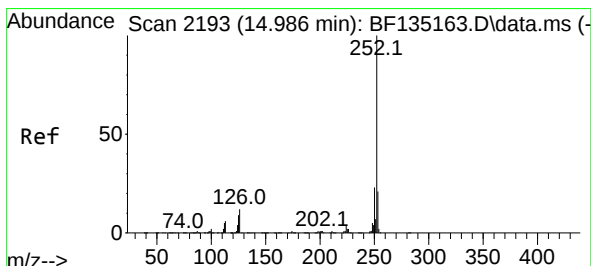
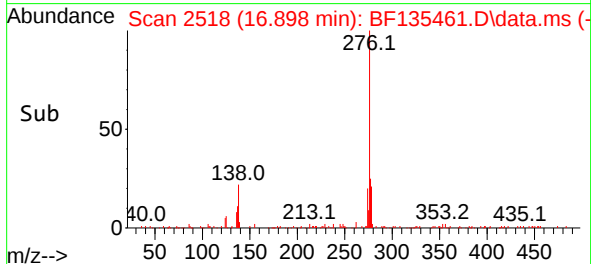
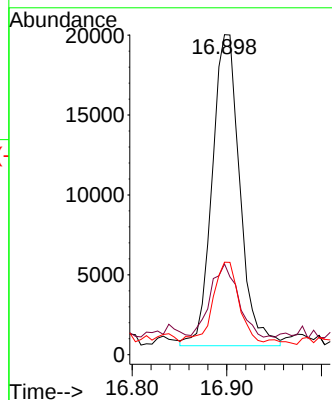
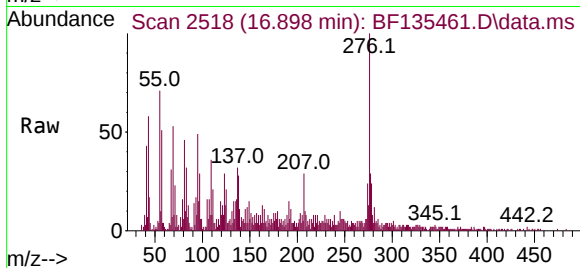
Tgt Ion:276 Resp: 39479

Ion Ratio Lower Upper

276 100

138 23.7 19.2 28.8

277 24.1 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 8.914 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BF135461.D

Acq: 26 Sep 2023 19:29

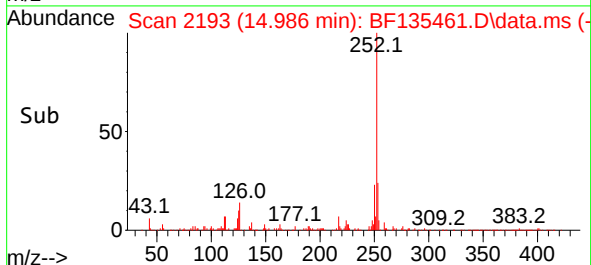
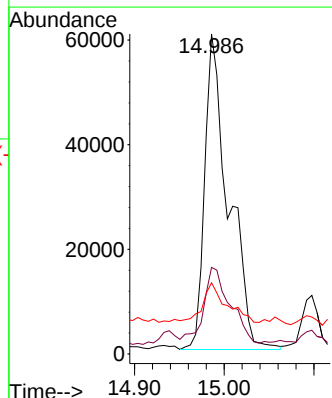
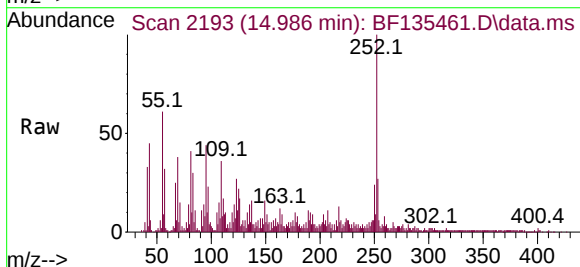
Tgt Ion:252 Resp: 111299

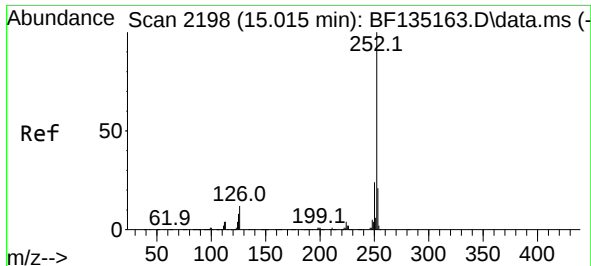
Ion Ratio Lower Upper

252 100

253 27.1 17.2 25.8#

125 22.2 7.1 10.7#

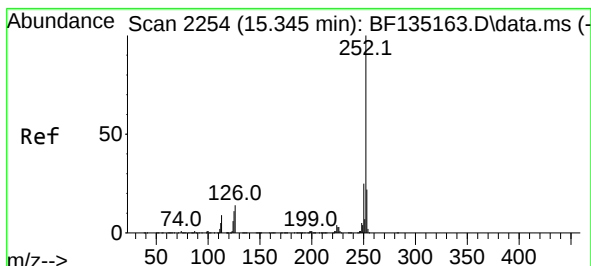
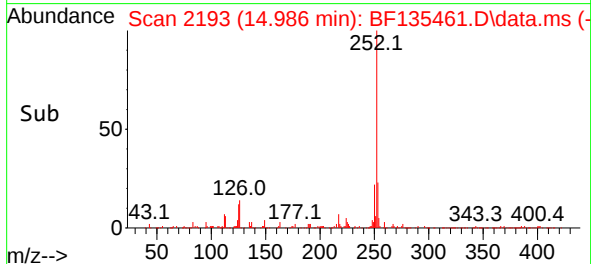
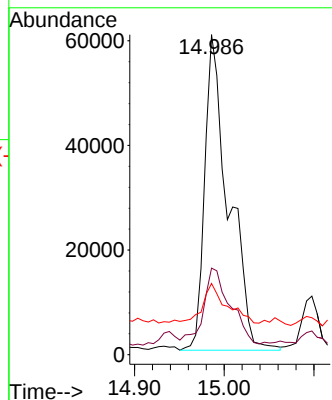
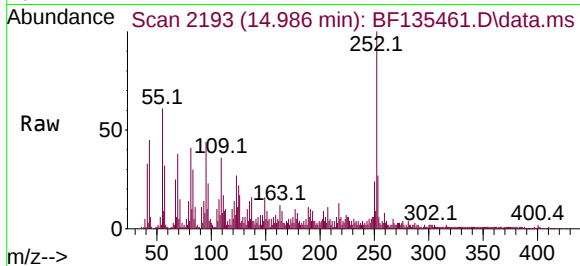




#89
Benzo(k)fluoranthene
Concen: 9.024 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.024 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

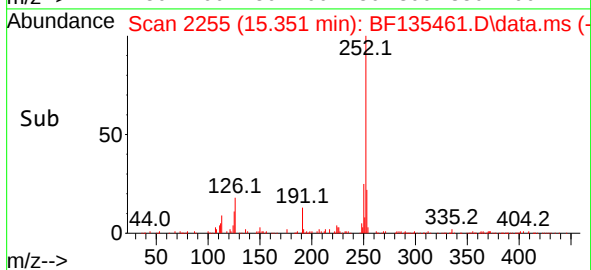
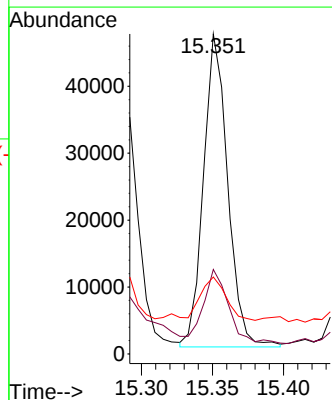
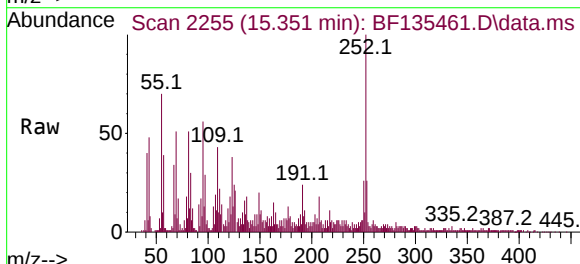
Instrument :
BNA_F
ClientSampleId :
B102-08-2

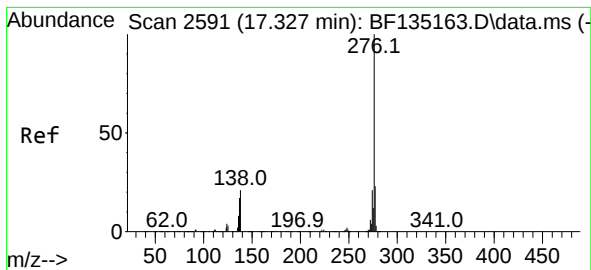
Tgt Ion:252 Resp: 111299
Ion Ratio Lower Upper
252 100
253 27.1 17.4 26.0#
125 22.2 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 4.655 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF135461.D
Acq: 26 Sep 2023 19:29

Tgt Ion:252 Resp: 55430
Ion Ratio Lower Upper
252 100
253 26.4 17.5 26.3#
125 24.1 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 3.487 ng

RT: 17.345 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135461.D

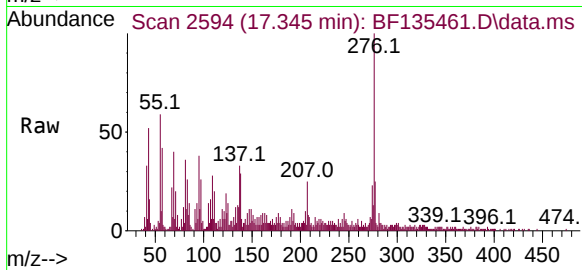
Acq: 26 Sep 2023 19:29

Instrument :

BNA_F

ClientSampleId :

B102-08-2



Tgt Ion: 276 Resp: 45064

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 29.2 16.9 25.3#

