

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135861.D
 Acq On : 18 Oct 2023 22:27
 Operator : CG\JU
 Sample : 04882-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 02:09:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

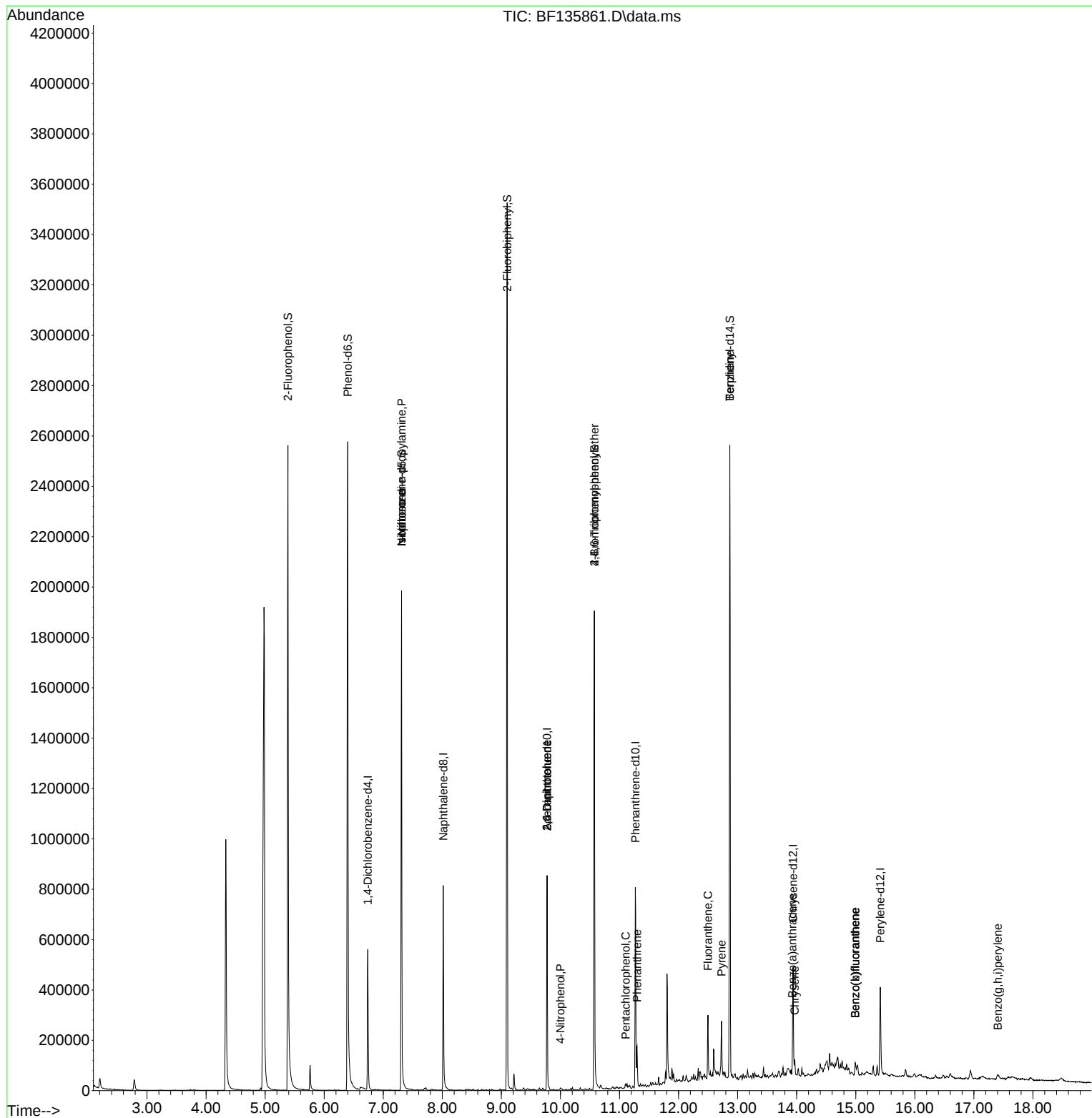
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	84688	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	338384	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	157615	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	304698	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	145432	20.000	ng	-0.01
86) Perylene-d12	15.415	264	172164	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	737620	140.033	ng	0.01
7) Phenol-d6	6.398	99	920087	139.993	ng	0.00
23) Nitrobenzene-d5	7.310	82	573471	93.209	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	236229	156.190	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1044188	103.581	ng	0.00
79) Terphenyl-d14	12.869	244	939601	119.648	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	77346	19.033	ng	# 74
25) Isophorone	7.310	82	573471	49.407	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	20935	9.150	ng	# 15
56) 4-Nitrophenol	9.998	139	548	5.890	ng	# 5
57) 2,4-Dinitrotoluene	9.775	165	20935	7.192	ng	# 23
67) 4-Bromophenyl-phenylether	10.575	248	14563	4.761	ng	# 1
70) Pentachlorophenol	11.104	266	2657	2.163	ng	95
71) Phenanthrene	11.298	178	63585	4.356	ng	99
75) Fluoranthene	12.498	202	98063	6.053	ng	97
77) Benzidine	12.869	184	11998	3.781	ng	# 91
78) Pyrene	12.727	202	90051	7.792	ng	98
81) Benzo(a)anthracene	13.927	228	21739	2.276	ng	96
83) Chrysene	13.968	228	27276	2.948	ng	100
88) Benzo(b)fluoranthene	14.992	252	39248	4.073	ng	# 95
89) Benzo(k)fluoranthene	14.992	252	39248	4.196	ng	# 94
92) Benzo(g,h,i)perylene	17.404	276	16711	2.115	ng	96

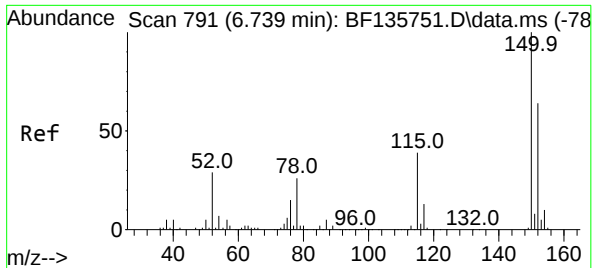
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135861.D
Acq On : 18 Oct 2023 22:27
Operator : CG\JU
Sample : 04882-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

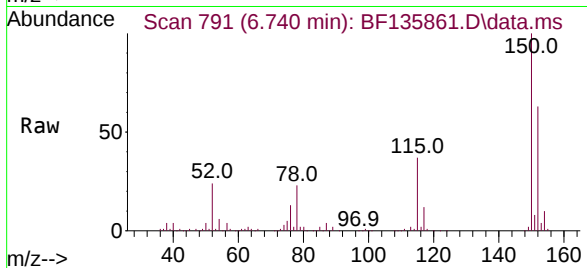
Quant Time: Oct 19 02:09:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration



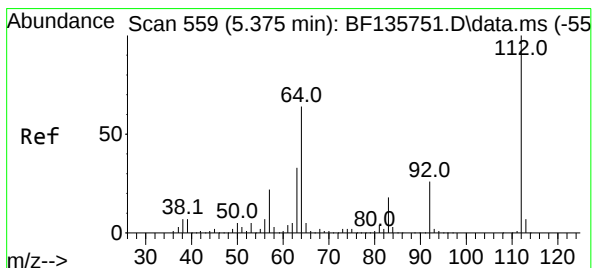
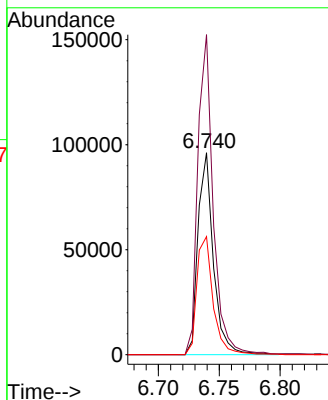
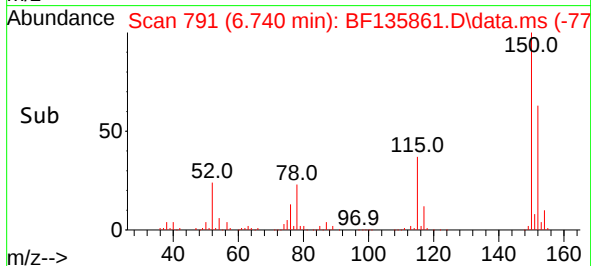


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

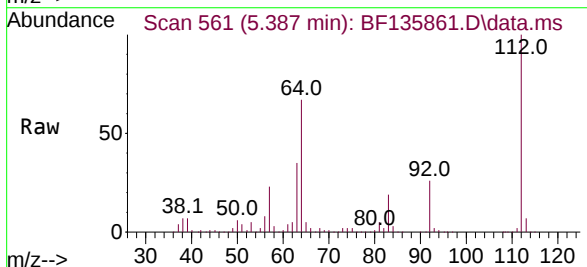
Instrument :
BNA_F
ClientSampleId :



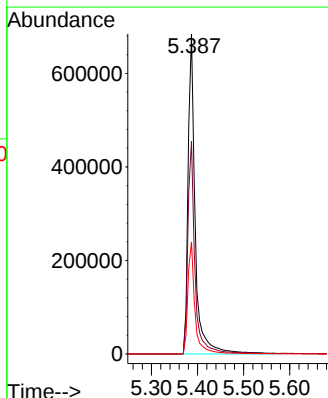
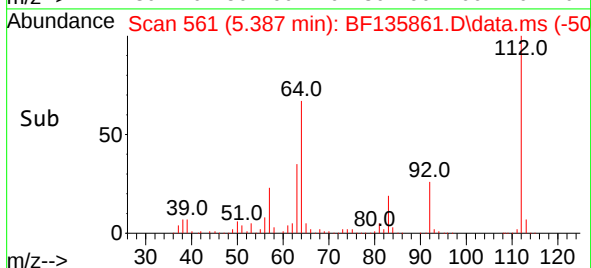
Tgt Ion:152 Resp: 84688
Ion Ratio Lower Upper
152 100
150 158.5 124.5 186.7
115 58.5 49.0 73.4

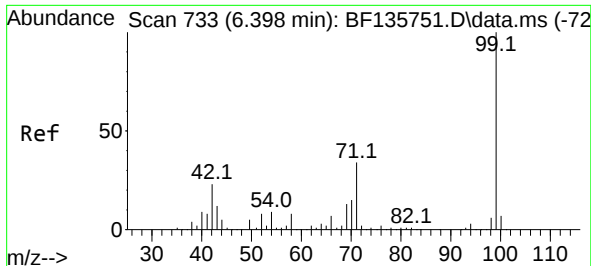


#5
2-Fluorophenol
Concen: 140.033 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27



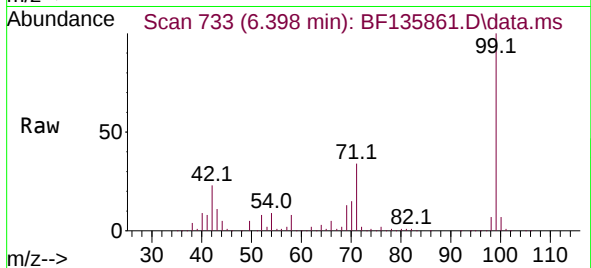
Tgt Ion:112 Resp: 737620
Ion Ratio Lower Upper
112 100
64 66.5 51.2 76.8
63 35.0 26.1 39.1



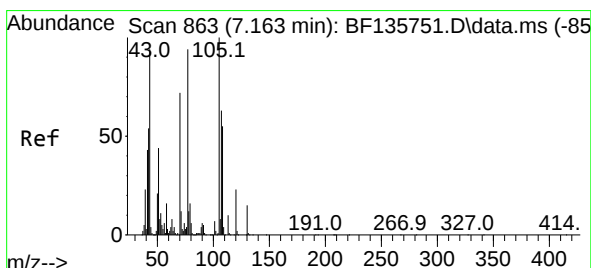
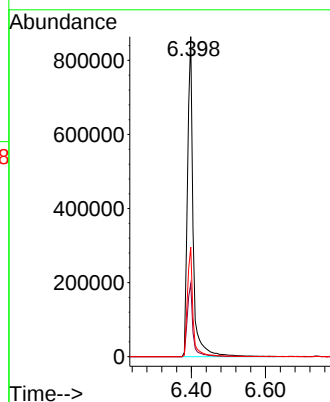
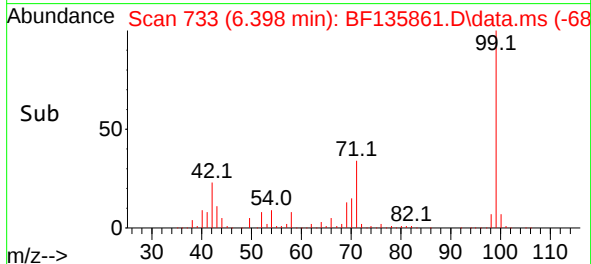


#7
Phenol-d6
Concen: 139.993 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

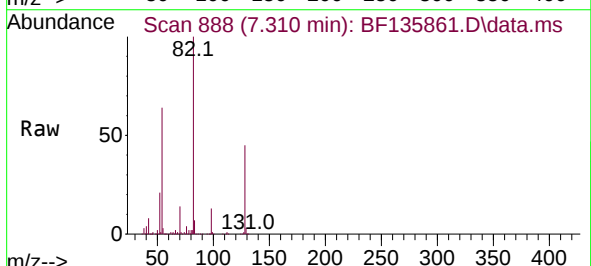
Instrument :
BNA_F
ClientSampleId :



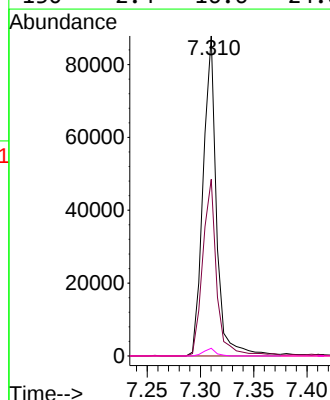
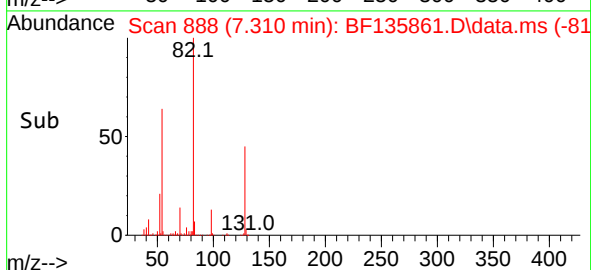
Tgt Ion: 99 Resp: 920087
Ion Ratio Lower Upper
99 100
42 22.8 18.4 27.6
71 34.3 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.033 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27



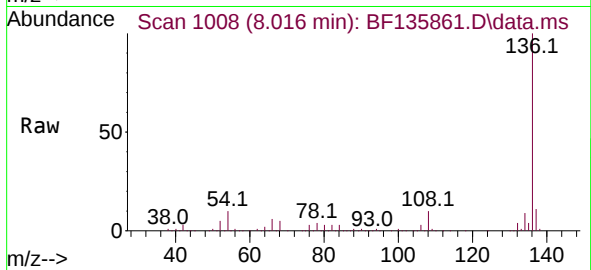
Tgt Ion: 70 Resp: 77346
Ion Ratio Lower Upper
70 100
42 55.2 59.8 89.6#
101 0.0 7.4 11.2#
130 2.4 16.6 24.8#



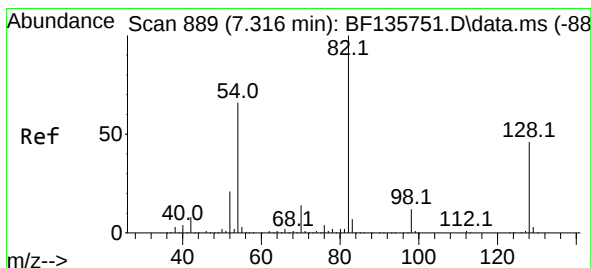
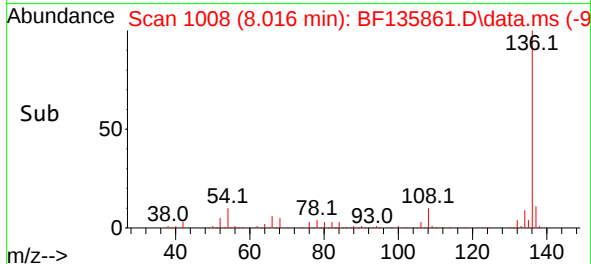
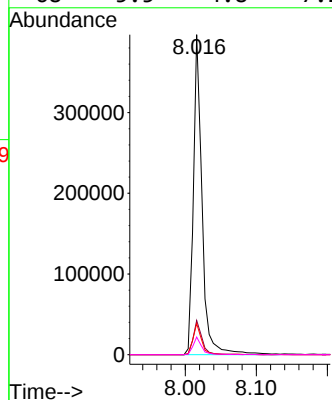


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

Instrument :
BNA_F
ClientSampleId :

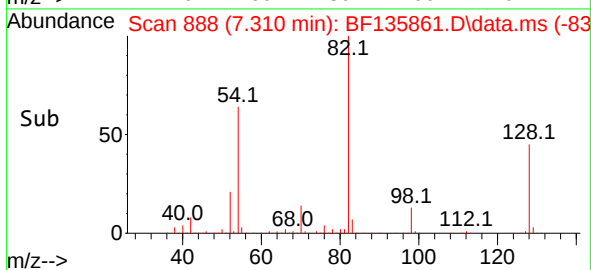
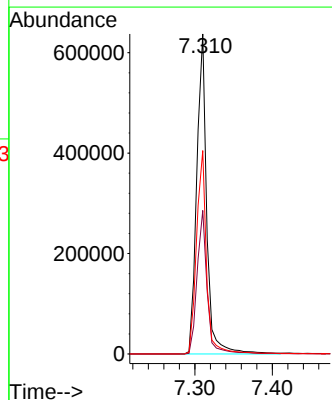
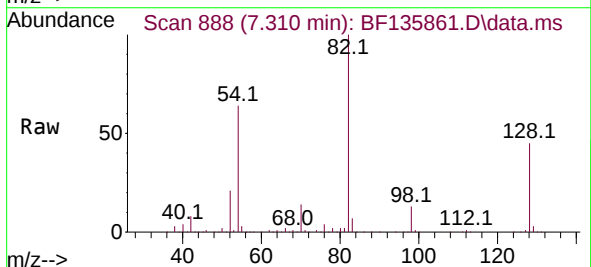


Tgt Ion:136 Resp: 338384
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 8.5 12.7
68 5.5 4.8 7.2



#23
Nitrobenzene-d5
Concen: 93.209 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

Tgt Ion: 82 Resp: 573471
Ion Ratio Lower Upper
82 100
128 44.8 37.0 55.6
54 63.5 52.8 79.2

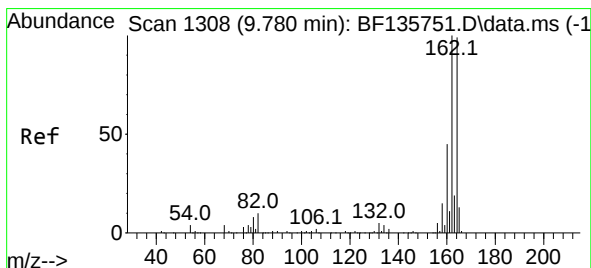
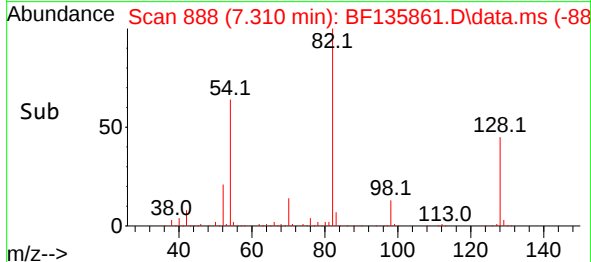
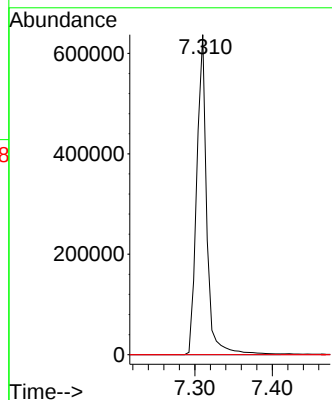
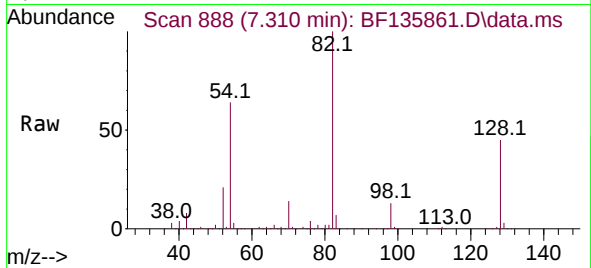




#25
Isophorone
Concen: 49.407 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

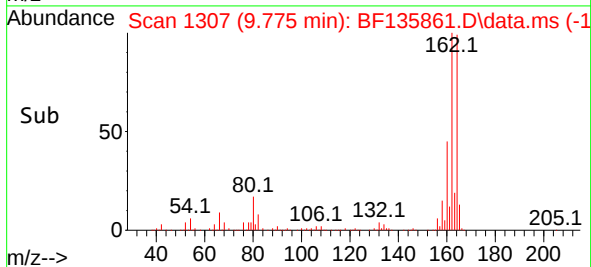
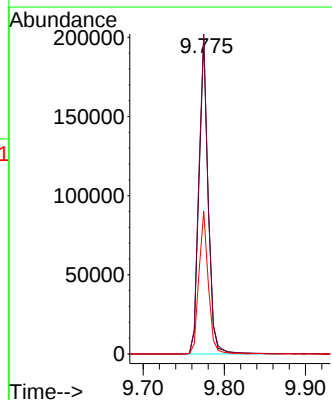
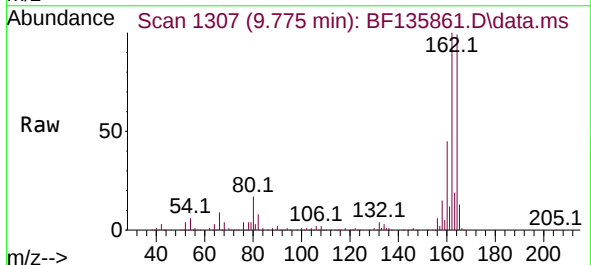
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 573471
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

Tgt Ion:164 Resp: 157615
Ion Ratio Lower Upper
164 100
162 101.5 80.8 121.2
160 45.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 156.190 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

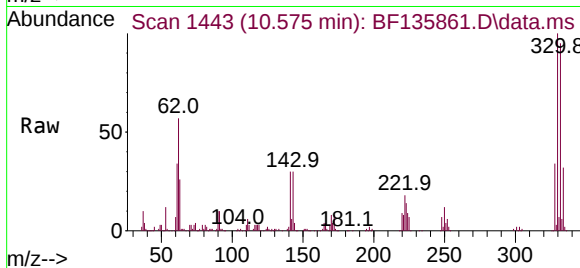
Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :



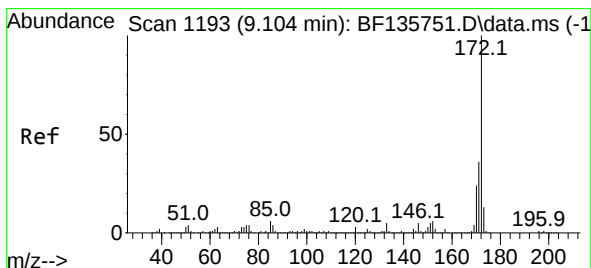
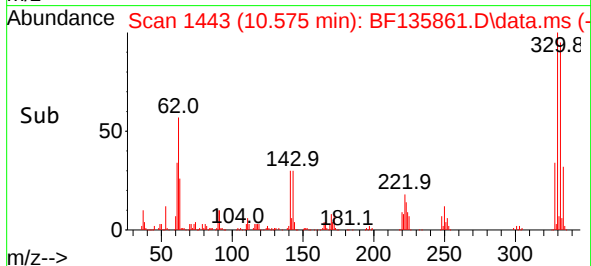
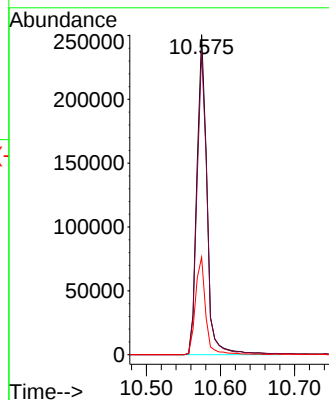
Tgt Ion:330 Resp: 236229

Ion Ratio Lower Upper

330 100

332 95.7 75.0 112.4

141 31.0 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 103.581 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

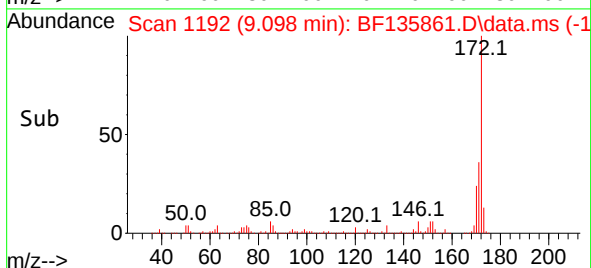
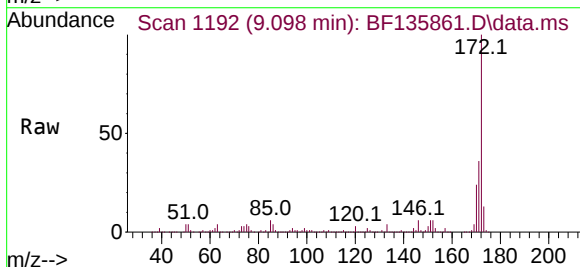
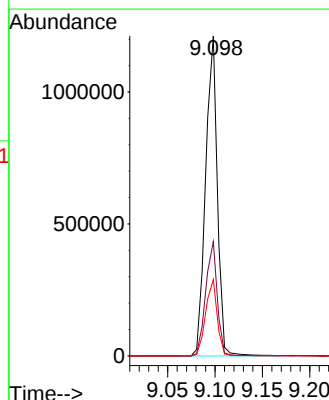
Tgt Ion:172 Resp: 1044188

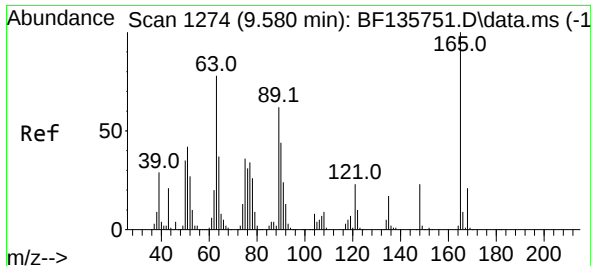
Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.8 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.150 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135861.D

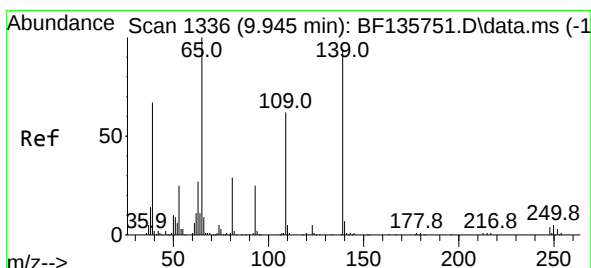
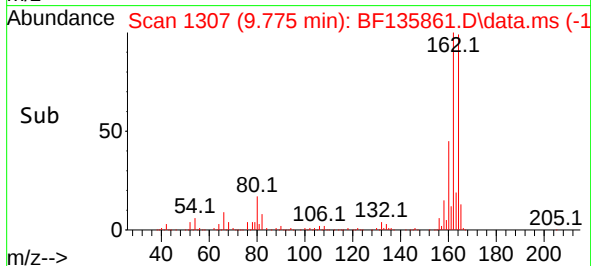
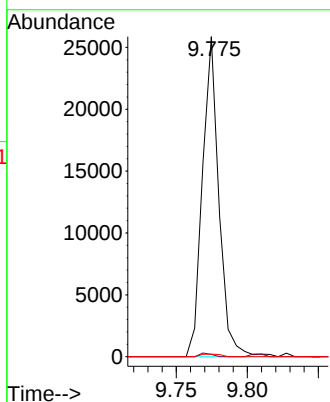
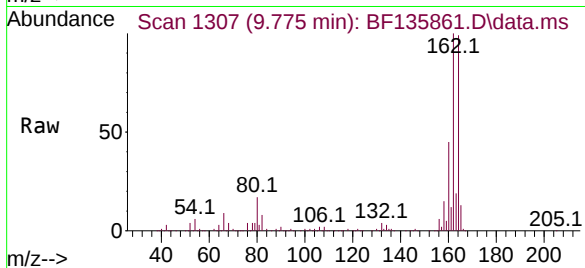
Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165	Resp:	20935
Ion Ratio	Lower	Upper
165	100	
63	0.7	62.2 93.4#
89	0.8	49.6 74.4#



#56

4-Nitrophenol

Concen: 5.890 ng

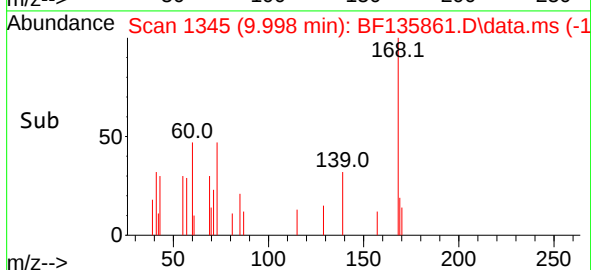
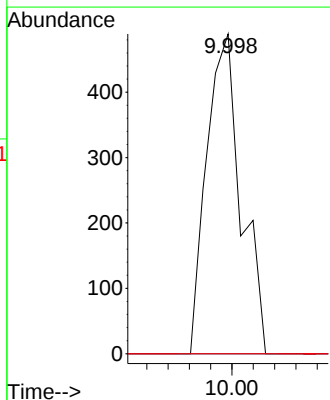
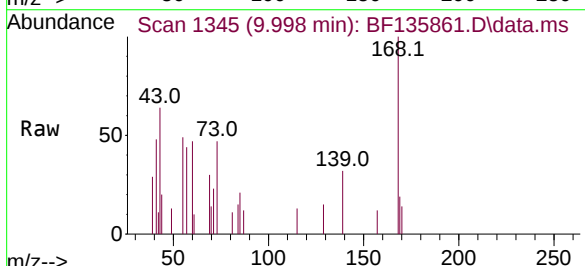
RT: 9.998 min Scan# 1345

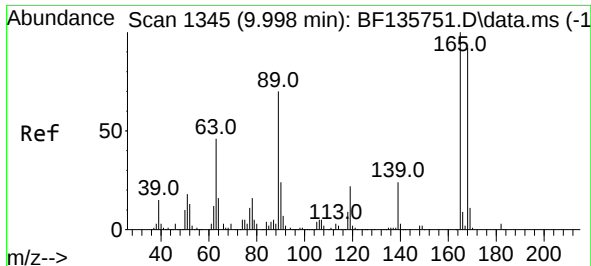
Delta R.T. 0.053 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Tgt Ion:139	Resp:	548
Ion Ratio	Lower	Upper
139	100	
109	0.0	45.6 85.6#
65	0.0	87.5 127.5#





#57

2,4-Dinitrotoluene

Concen: 7.192 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.229 min

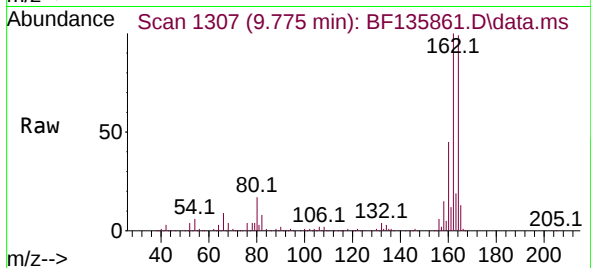
Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:165 Resp: 20935

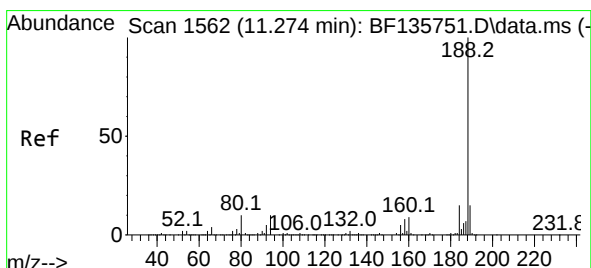
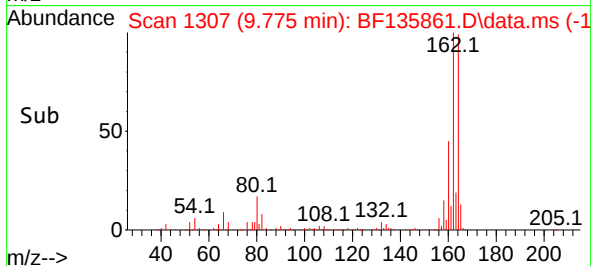
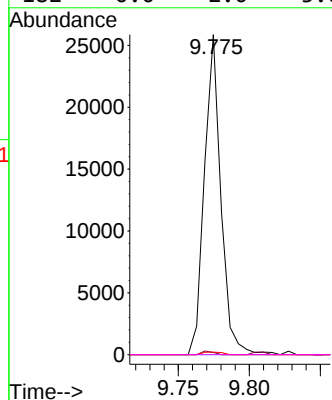
Ion Ratio Lower Upper

165 100

63 0.7 39.0 58.4#

89 0.8 55.9 83.9#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

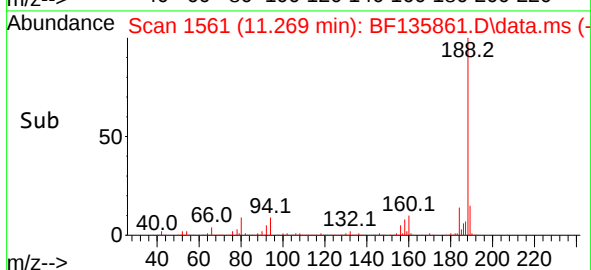
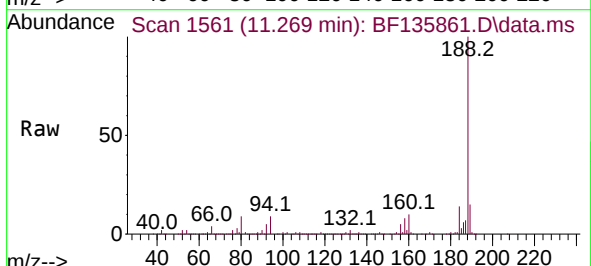
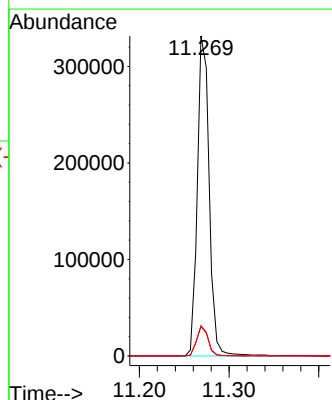
Tgt Ion:188 Resp: 304698

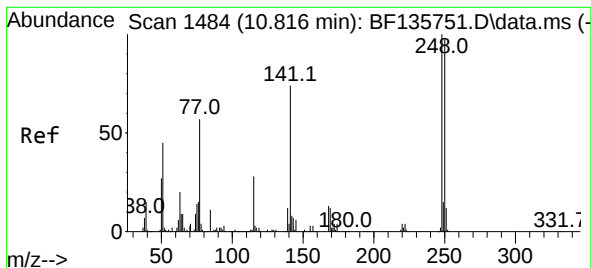
Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

80 9.5 8.3 12.5

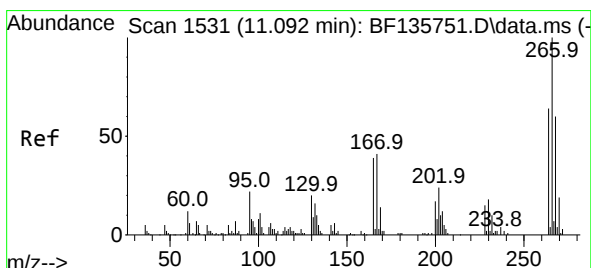
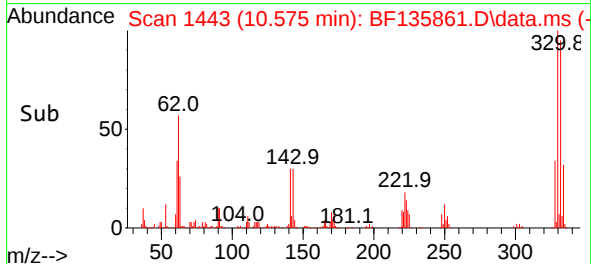
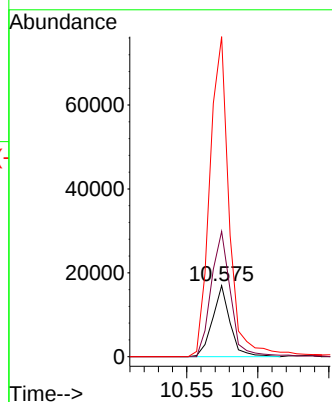
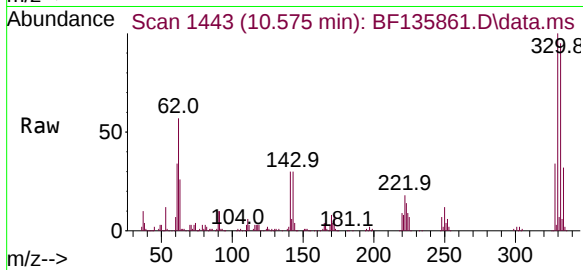




#67
4-Bromophenyl-phenylether
Concen: 4.761 ng
RT: 10.575 min Scan# 1484
Delta R.T. -0.247 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

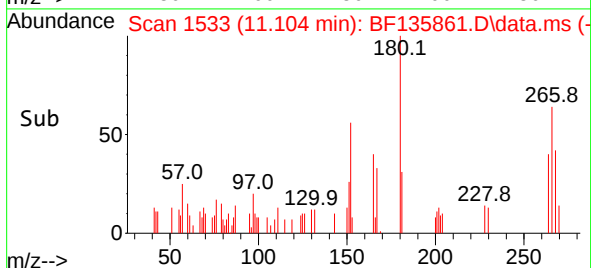
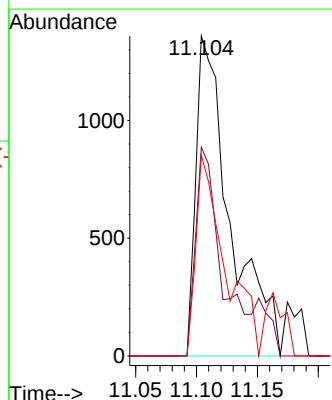
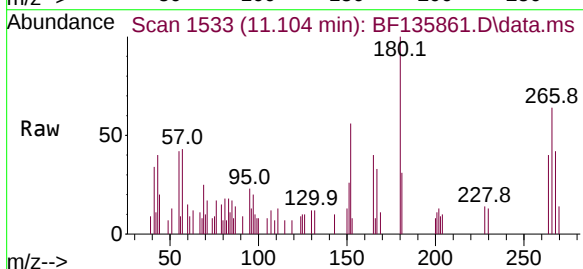
Instrument :
BNA_F
ClientSampleId :

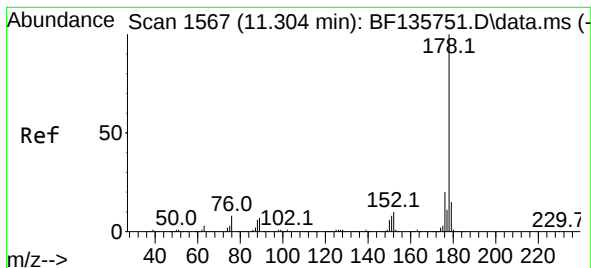
Tgt Ion:248 Resp: 14563
Ion Ratio Lower Upper
248 100
250 176.2 78.0 117.0#
141 449.9 59.0 88.6#



#70
Pentachlorophenol
Concen: 2.163 ng
RT: 11.104 min Scan# 1533
Delta R.T. 0.012 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

Tgt Ion:266 Resp: 2657
Ion Ratio Lower Upper
266 100
268 65.3 47.7 71.5
264 62.8 51.4 77.2





#71

Phenanthrene

Concen: 4.356 ng

RT: 11.298 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

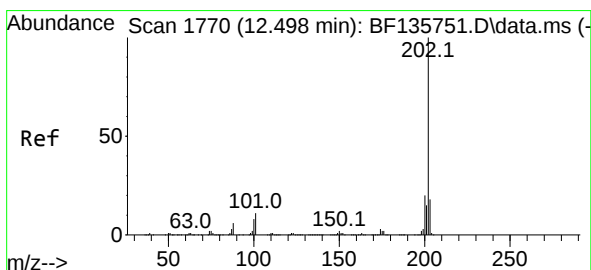
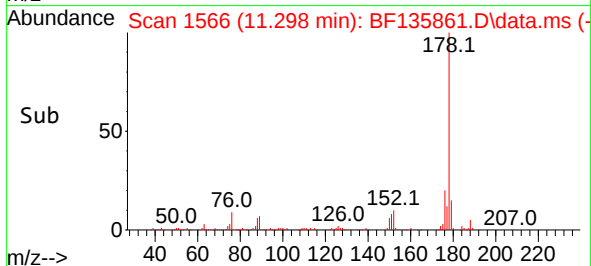
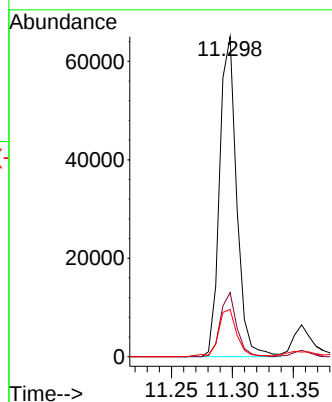
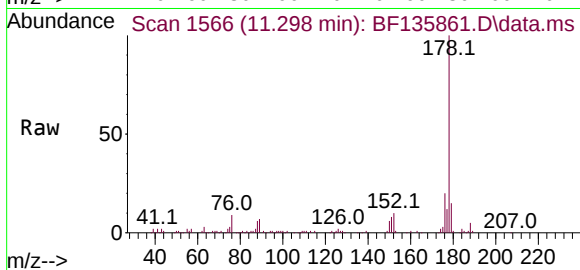
Tgt Ion:178 Resp: 63585

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

179 14.8 12.2 18.4



#75

Fluoranthene

Concen: 6.053 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

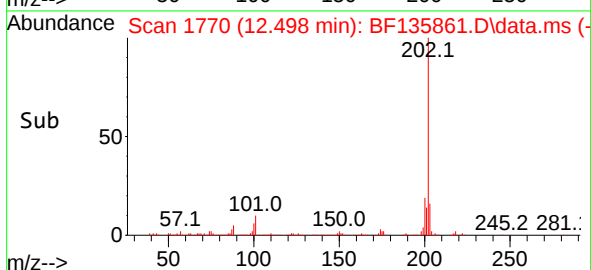
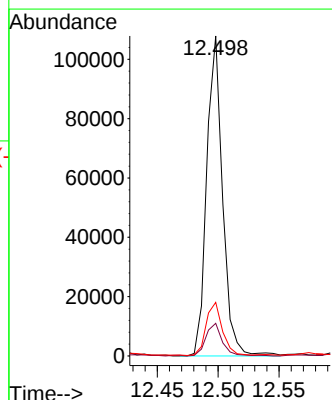
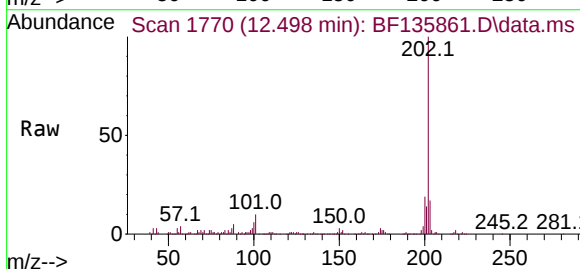
Tgt Ion:202 Resp: 98063

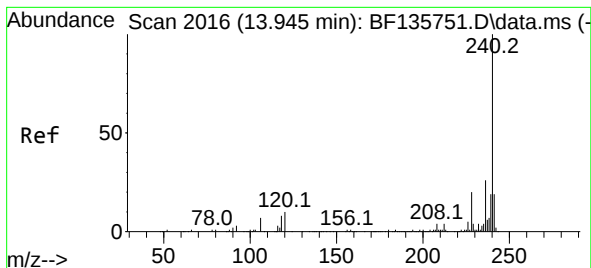
Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.5

203 16.8 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

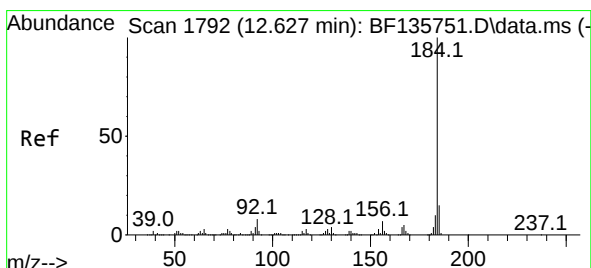
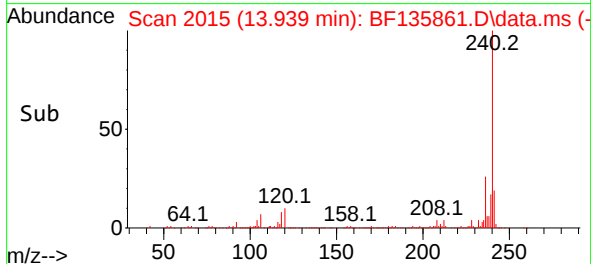
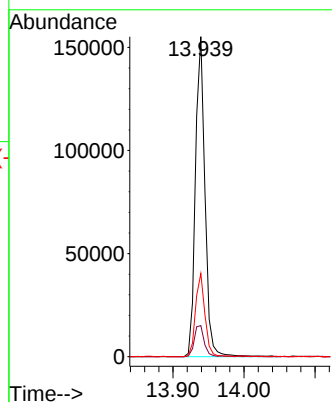
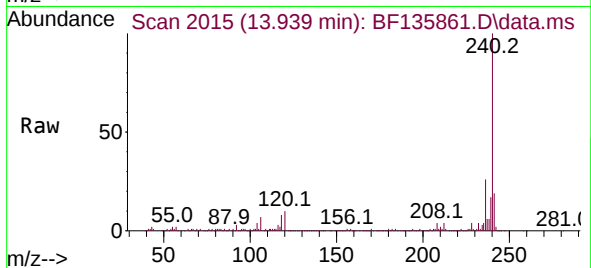
Tgt Ion:240 Resp: 145432

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

236 26.0 21.2 31.8



#77

Benzidine

Concen: 3.781 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

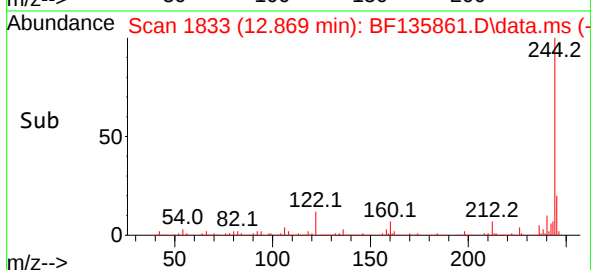
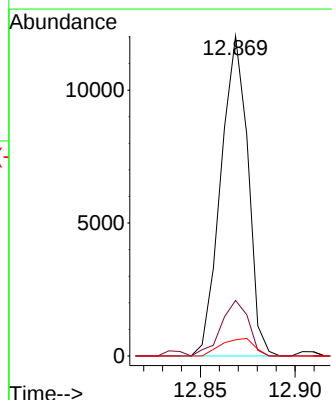
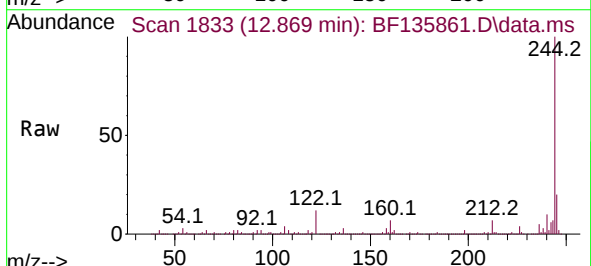
Tgt Ion:184 Resp: 11998

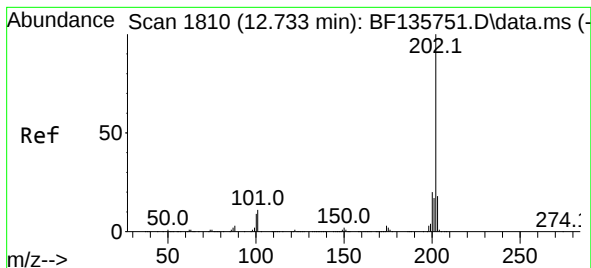
Ion Ratio Lower Upper

184 100

185 17.3 12.0 18.0

183 5.1 8.2 12.2#





#78

Pyrene

Concen: 7.792 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

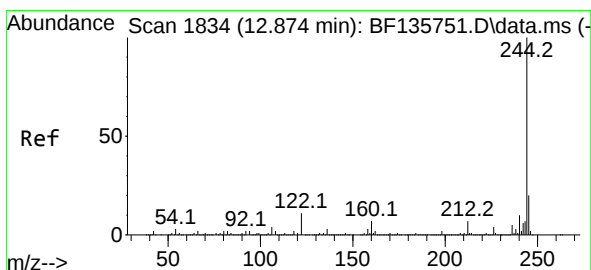
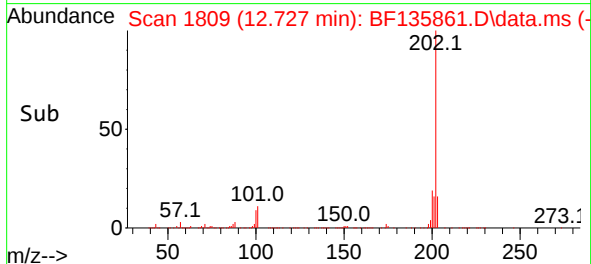
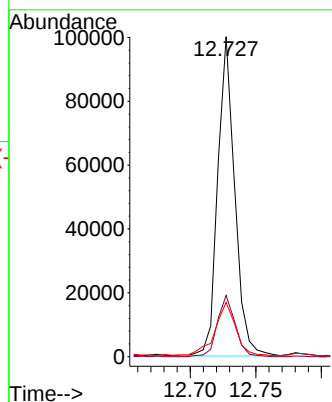
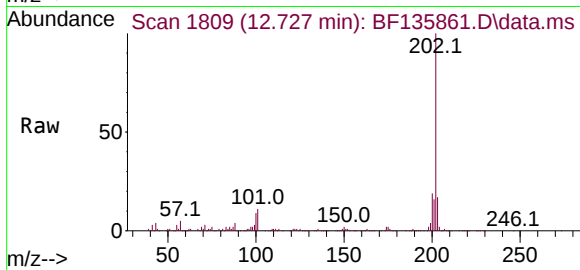
Tgt Ion:202 Resp: 90051

Ion Ratio Lower Upper

202 100

200 19.2 16.1 24.1

203 17.0 14.2 21.2



#79

Terphenyl-d14

Concen: 119.648 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

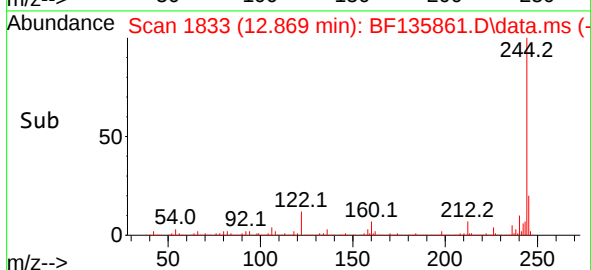
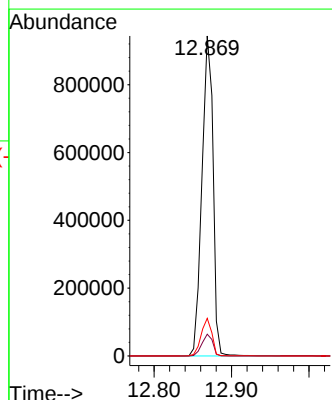
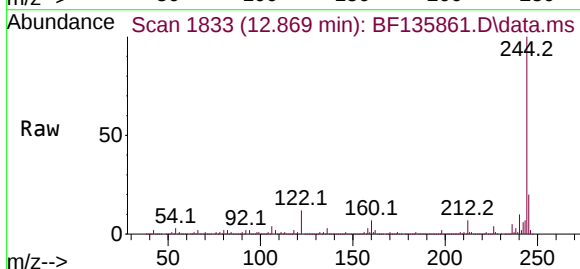
Tgt Ion:244 Resp: 939601

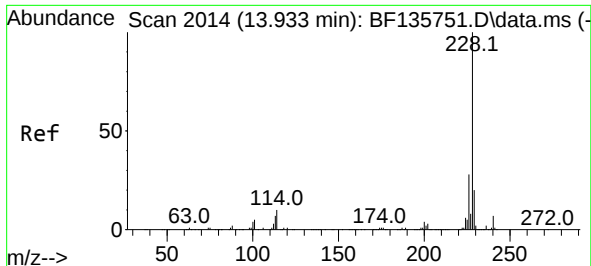
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

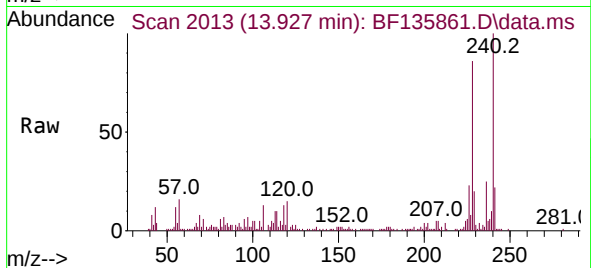
122 11.7 9.0 13.6



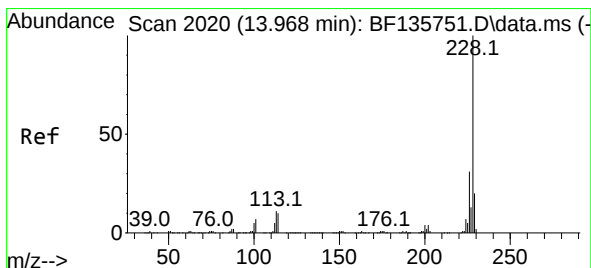
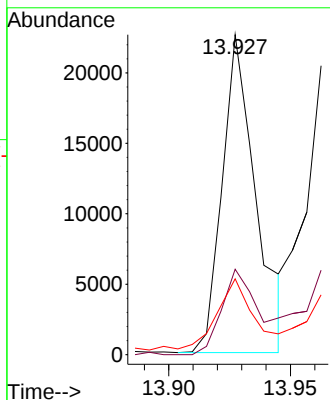
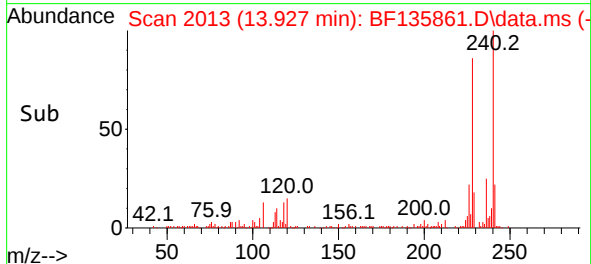


#81
Benzo(a)anthracene
Concen: 2.276 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

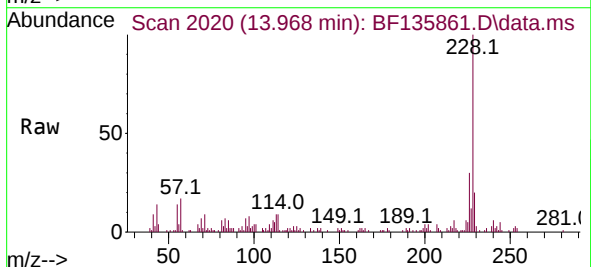
Instrument :
BNA_F
ClientSampleId :



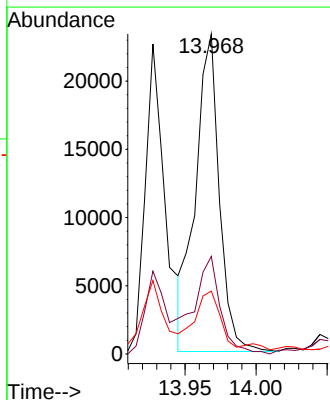
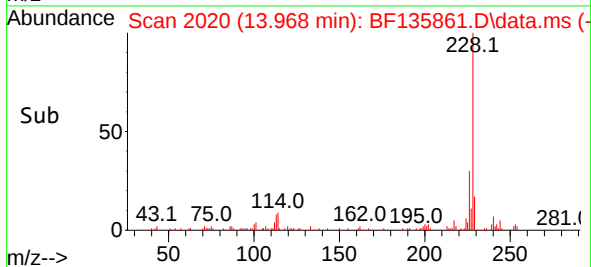
Tgt Ion:228 Resp: 21739
Ion Ratio Lower Upper
228 100
226 26.7 22.2 33.2
229 23.7 16.1 24.1

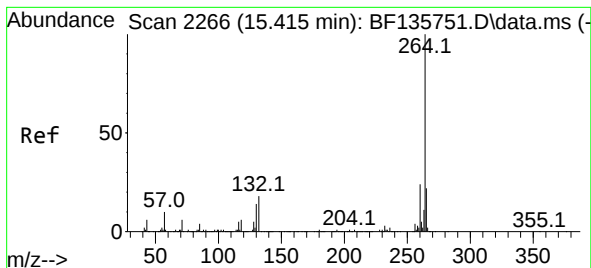


#83
Chrysene
Concen: 2.948 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27



Tgt Ion:228 Resp: 27276
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 19.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

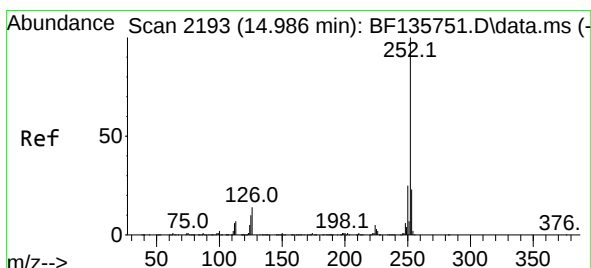
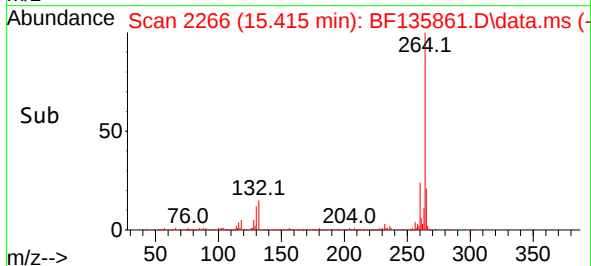
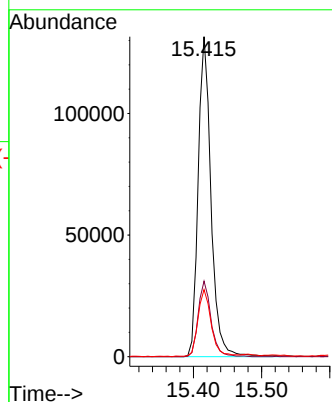
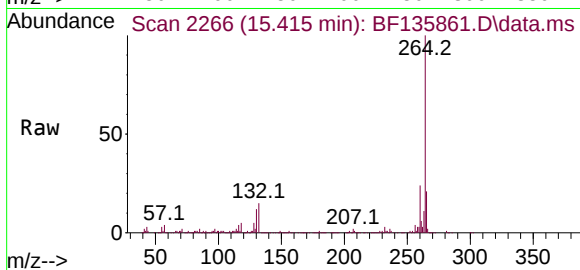
Tgt Ion:264 Resp: 172164

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.0 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.073 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

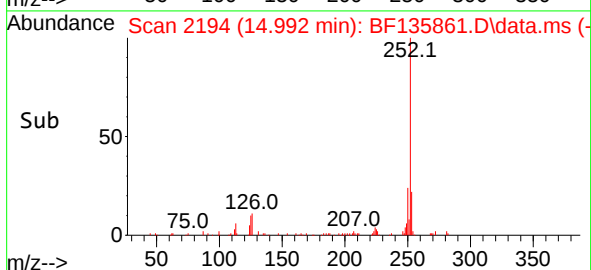
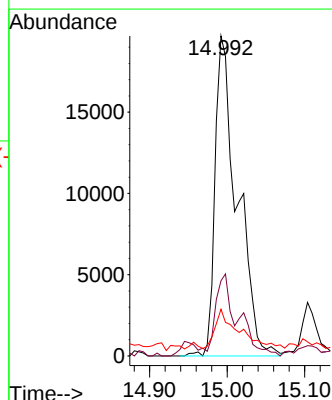
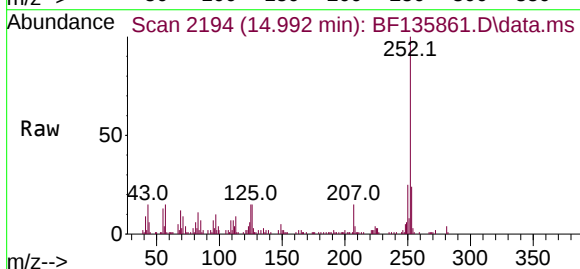
Tgt Ion:252 Resp: 39248

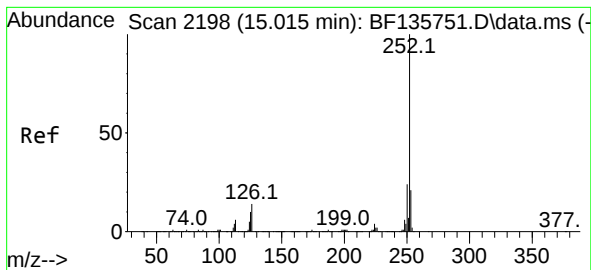
Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 14.6 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 4.196 ng

RT: 14.992 min Scan# 2198

Delta R.T. -0.030 min

Lab File: BF135861.D

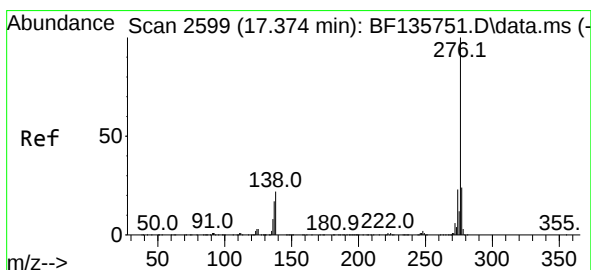
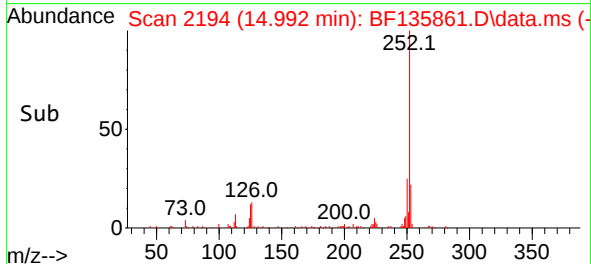
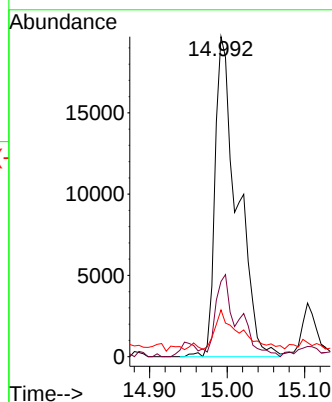
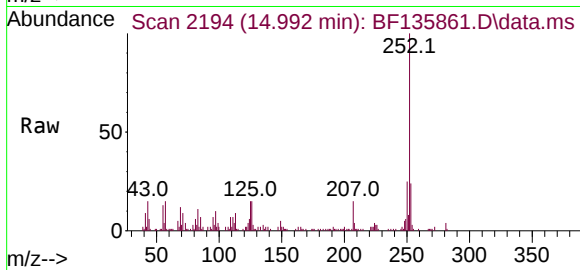
Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	39248
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.0
125	14.6	8.3	12.5



#92

Benzo(g,h,i)perylene

Concen: 2.115 ng

RT: 17.404 min Scan# 2604

Delta R.T. 0.018 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Tgt Ion:	276	Resp:	16711
Ion Ratio	Lower	Upper	
276	100		
277	27.5	19.4	29.2
138	22.6	17.3	25.9

