

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133195.D
 Acq On : 02 May 2023 18:22
 Operator : CG\JU
 Sample : 02572-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

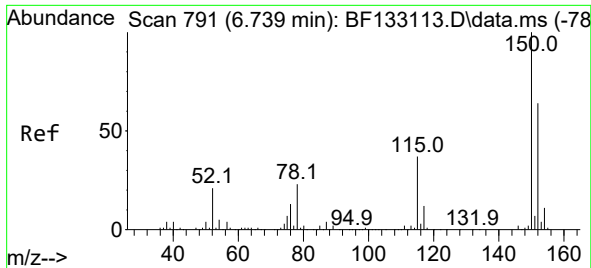
Instrument :
 BNA_F
 ClientSampleId :
 RT2343

Quant Time: May 03 06:20:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 04:52:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	211436	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	837696	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	410911	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	660437	20.000	ng	0.00
76) Chrysene-d12	13.880	240	366042	20.000	ng	-0.01
86) Perylene-d12	15.304	264	392025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1228262	87.753	ng	0.00
7) Phenol-d6	6.369	99	1518157	87.387	ng	0.00
23) Nitrobenzene-d5	7.292	82	899908	57.985	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	341337	82.598	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1486699	60.530	ng	0.00
79) Terphenyl-d14	12.833	244	1175416	55.382	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	651	Below Cal	#	77
19) n-Nitroso-di-n-propyla...	7.292	70	119161	11.018	ng	# 78
25) Isophorone	7.292	82	897348	30.453	ng	# 63
50) Dimethylphthalate	9.763	163	77312	2.698	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	52521	8.144	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	52521	6.386	ng	# 23
63) Azobenzene	10.480	77	162775	5.678	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	22004	3.072	ng	# 1
71) Phenanthrene	11.269	178	253114	7.131	ng	98
75) Fluoranthene	12.457	202	458495	12.870	ng	98
77) Benzidine	12.833	184	14536	2.348	ng	94
78) Pyrene	12.686	202	414389	13.206	ng	99
81) Benzo(a)anthracene	13.868	228	173070	6.876	ng	97
83) Chrysene	13.904	228	198182	7.875	ng	96
87) Indeno(1,2,3-cd)pyrene	16.674	276	70933	3.181	ng	96
88) Benzo(b)fluoranthene	14.898	252	324404	13.007	ng	97
89) Benzo(k)fluoranthene	14.898	252	324404	13.122	ng	97
90) Benzo(a)pyrene	15.239	252	123655	5.447	ng	97
92) Benzo(g,h,i)perylene	17.086	276	60728	3.307	ng	97

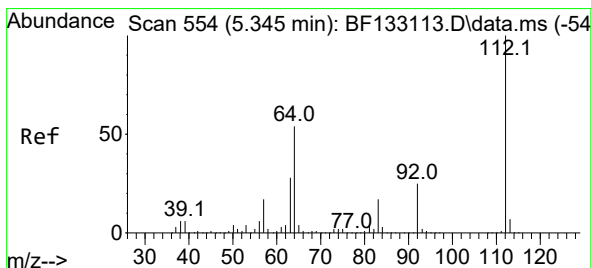
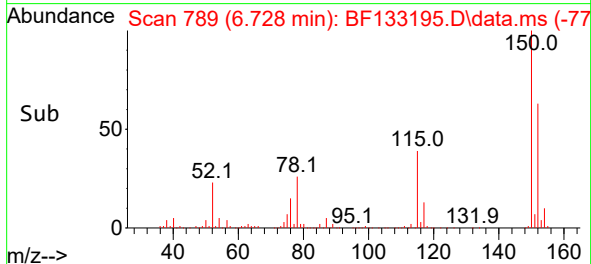
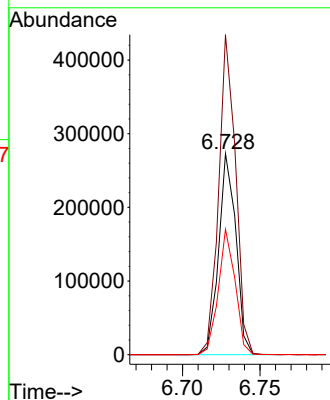
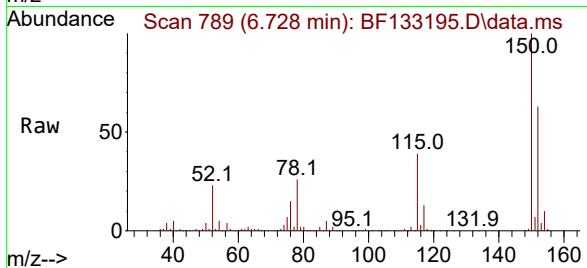
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

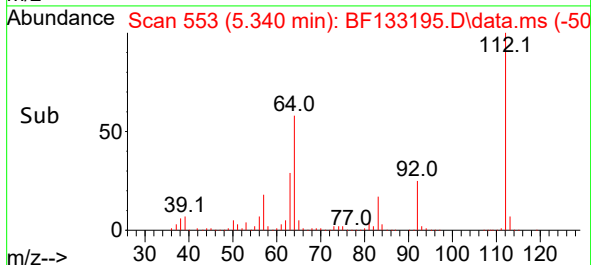
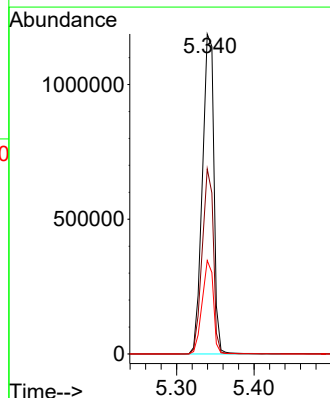
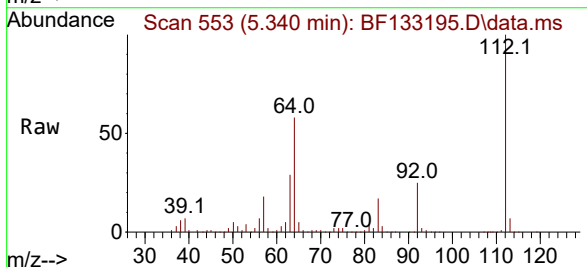
Instrument :
BNA_F
ClientSampleId :
RT2343

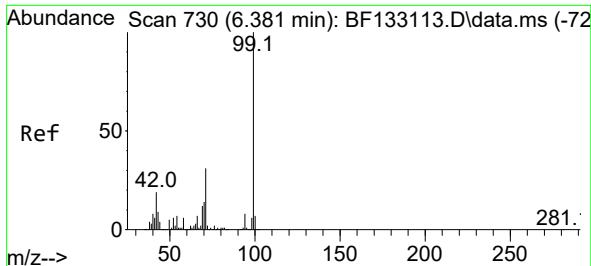
Tgt Ion:152 Resp: 211436
Ion Ratio Lower Upper
152 100
150 159.1 124.8 187.2
115 62.4 49.9 74.9



#5
2-Fluorophenol
Concen: 87.753 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion:112 Resp: 1228262
Ion Ratio Lower Upper
112 100
64 57.8 46.8 70.2
63 29.2 23.8 35.8

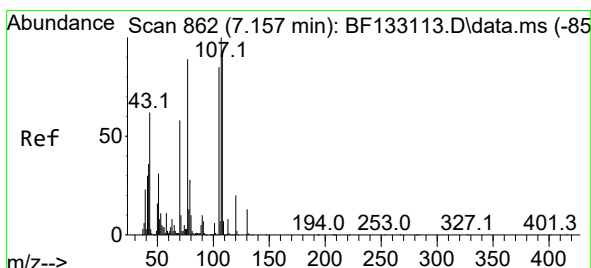
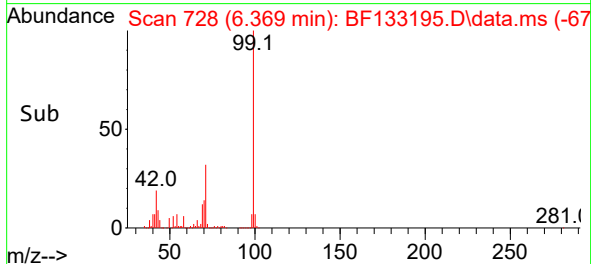
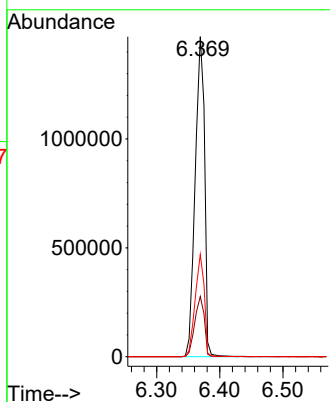
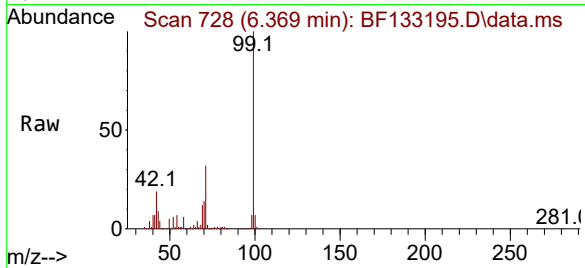




#7
Phenol-d6
Concen: 87.387 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

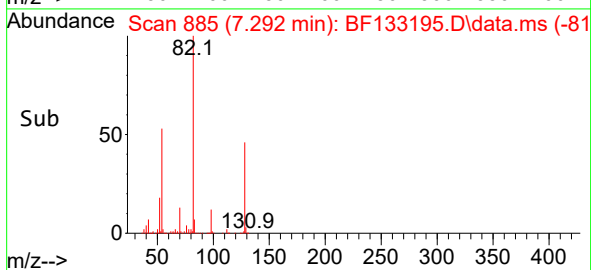
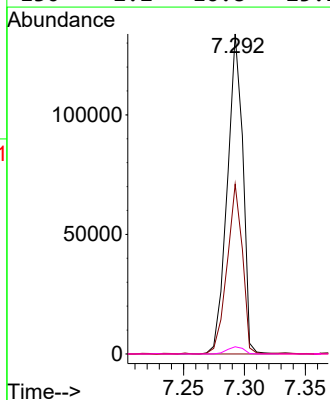
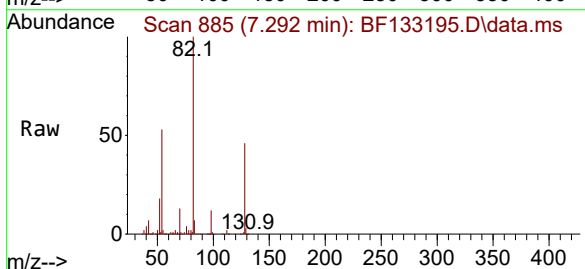
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BNA_F
ClientSampleId :
RT2343

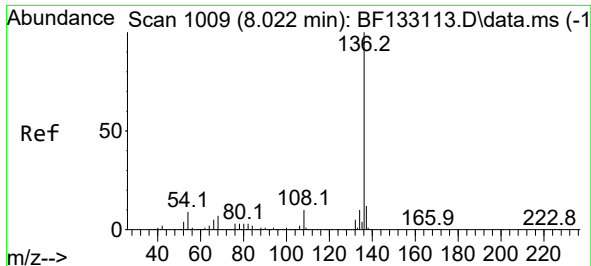
Tgt Ion: 99 Resp: 1518157
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 32.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.018 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion: 70 Resp: 119161
Ion Ratio Lower Upper
70 100
42 53.1 51.8 77.6
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

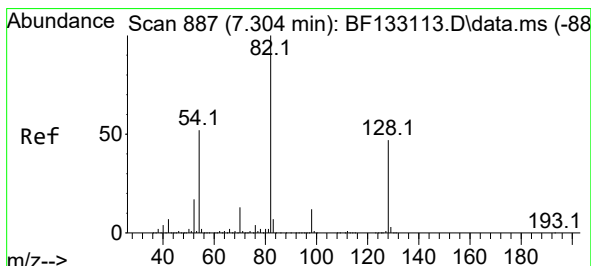
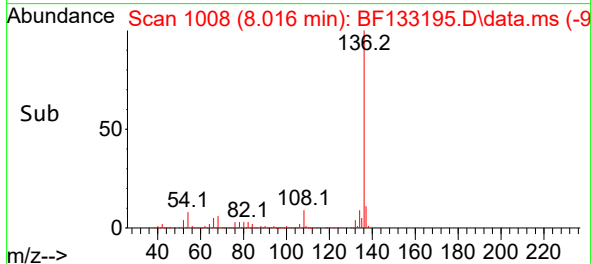
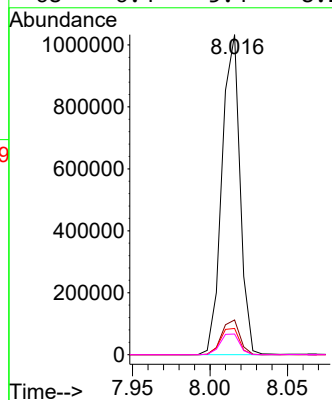
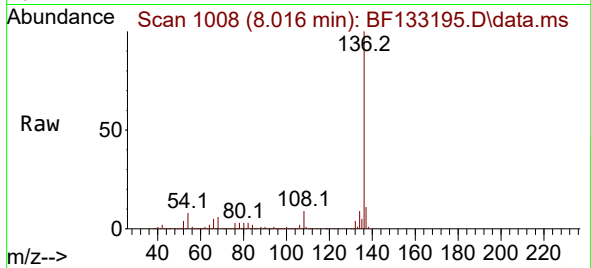




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

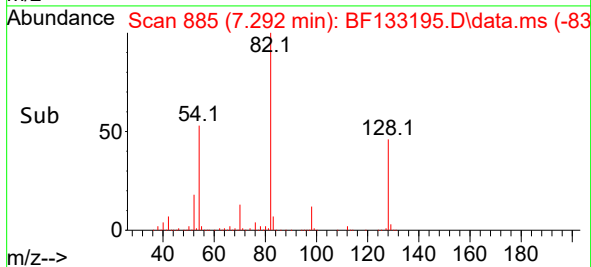
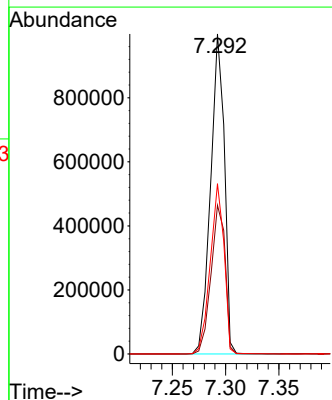
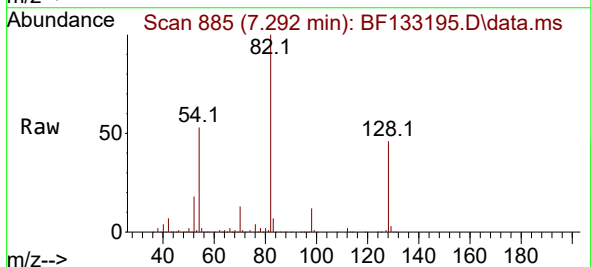
Instrument :
BNA_F
ClientSampleId :
RT2343

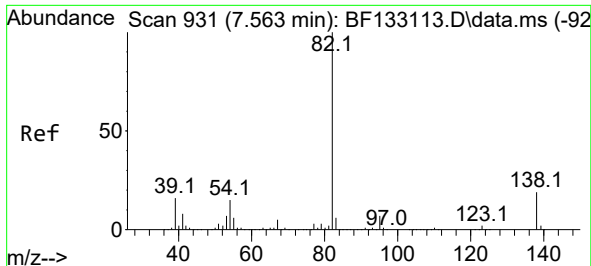
Tgt Ion:136	Resp: 837696
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 8.2	7.0 10.4
68 6.4	5.4 8.2



#23
Nitrobenzene-d5
Concen: 57.985 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion: 82	Resp: 899908
Ion Ratio	Lower Upper
82 100	
128 46.5	37.7 56.5
54 53.2	43.0 64.4

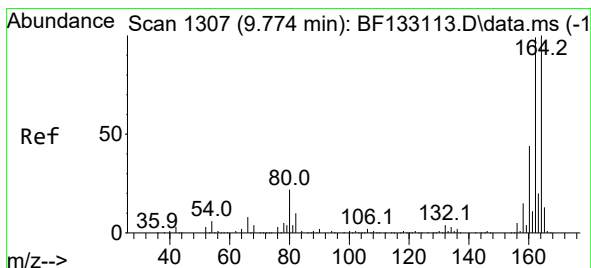
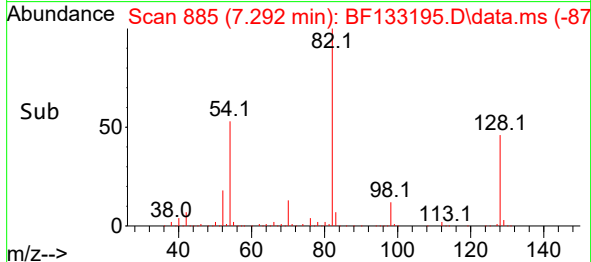
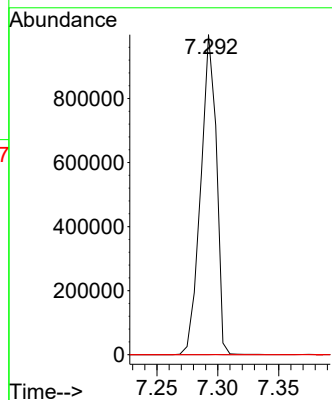
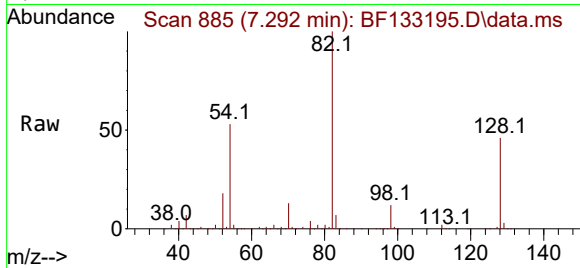




#25
Isophorone
Concen: 30.453 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

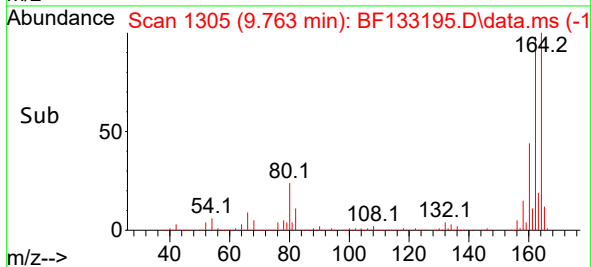
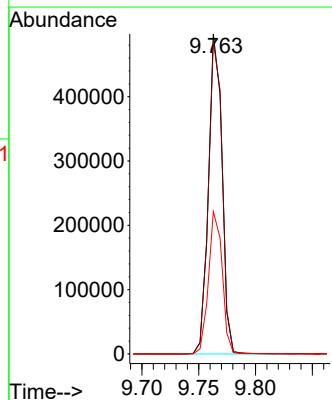
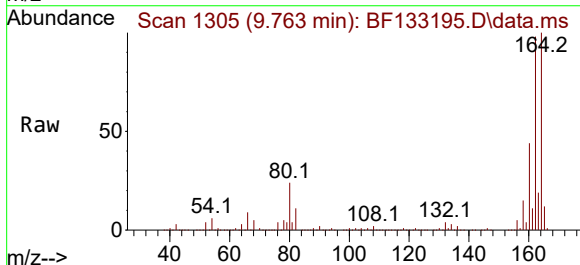
Instrument :
BNA_F
ClientSampleId :
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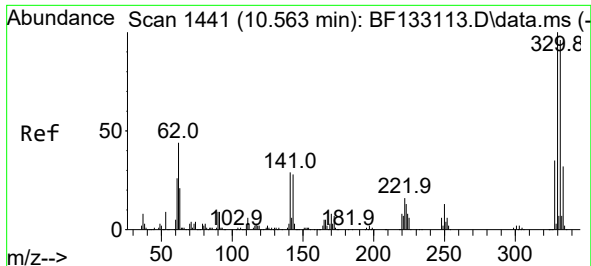
Tgt Ion: 82 Resp: 897348
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion:164 Resp: 410911
Ion Ratio Lower Upper
164 100
162 97.7 78.7 118.1
160 44.5 35.8 53.6

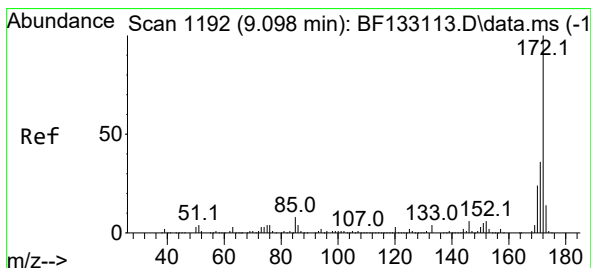
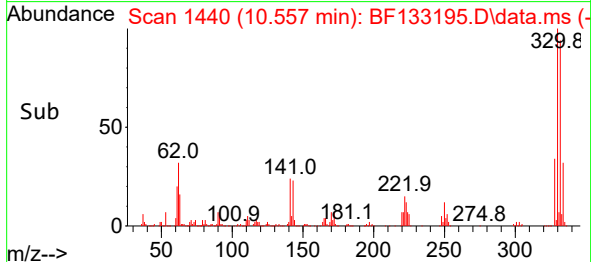
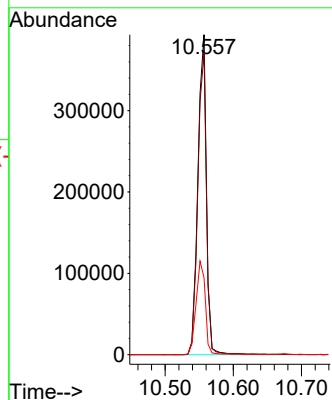
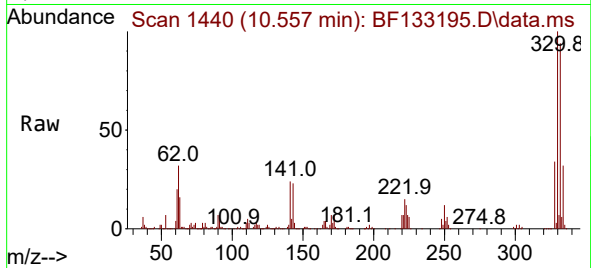




#42
2,4,6-Tribromophenol
Concen: 82.598 ng
RT: 10.557 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

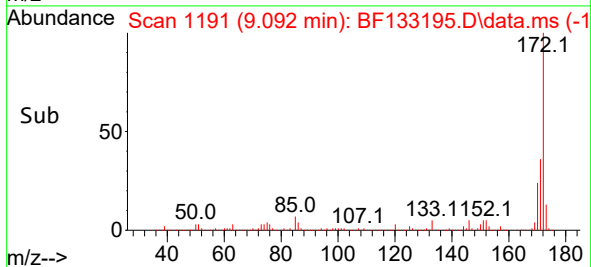
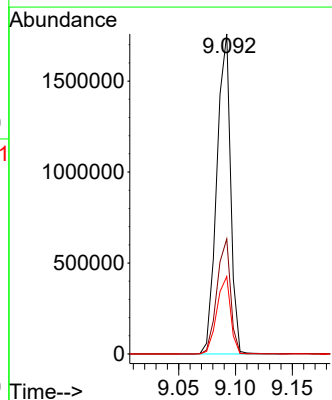
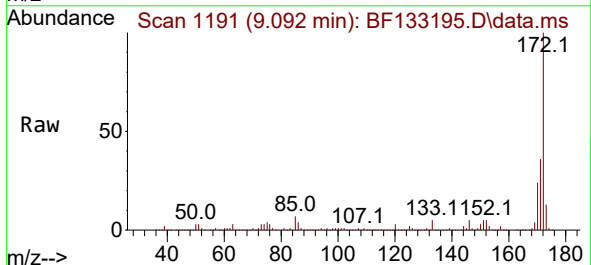
Instrument :
BNA_F
ClientSampleId :
RT2343

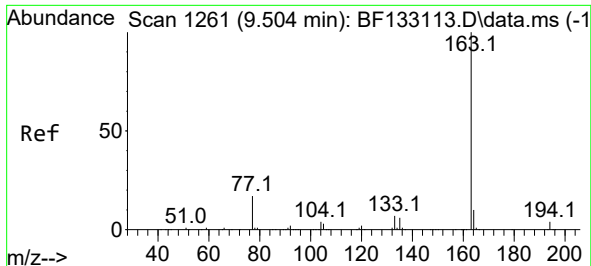
Tgt Ion:330 Resp: 341337
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 31.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 60.530 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion:172 Resp: 1486699
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.2 19.4 29.2

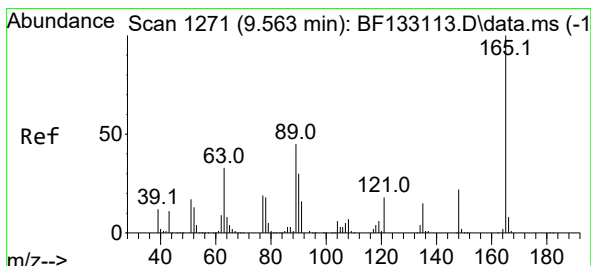
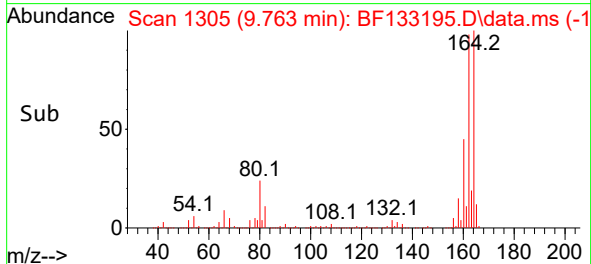
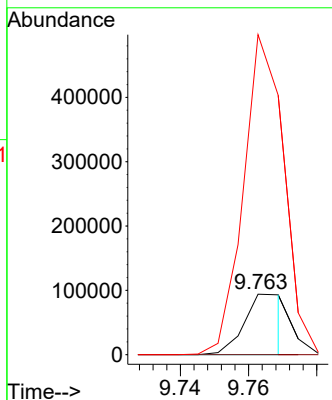
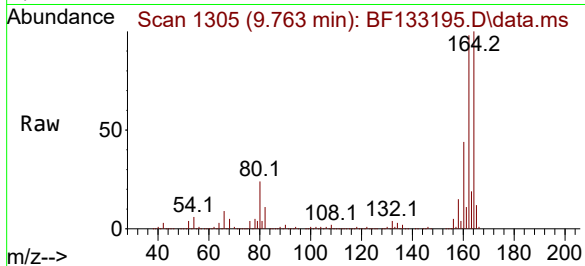




#50
Dimethylphthalate
Concen: 2.698 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

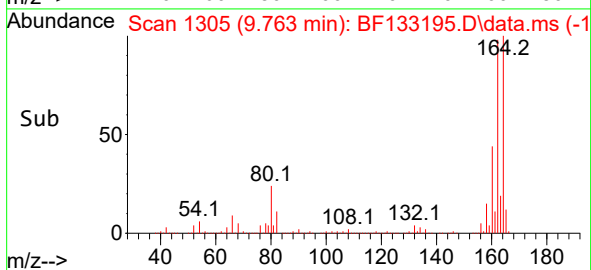
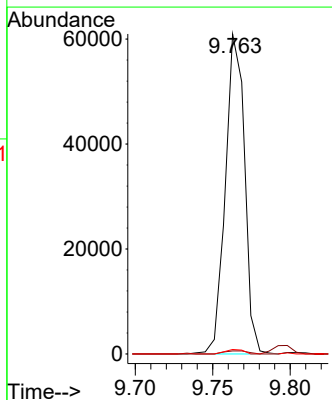
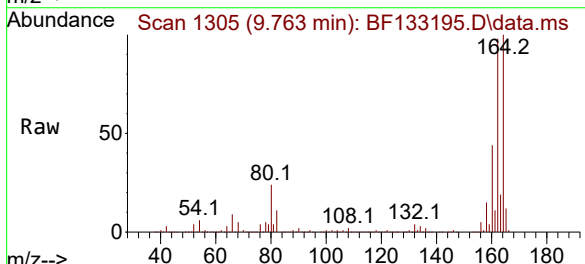
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BNA_F
ClientSampleId :
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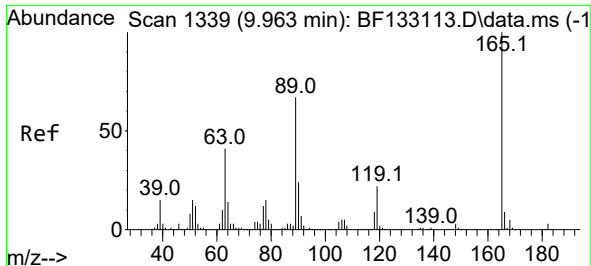
Tgt Ion:163 Resp: 77312
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 529.6 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.144 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion:165 Resp: 52521
Ion Ratio Lower Upper
165 100
63 0.9 45.9 68.9#
89 1.4 44.0 66.0#

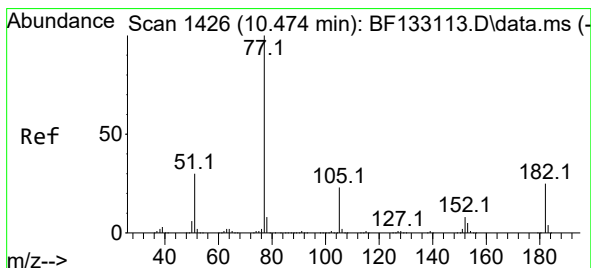
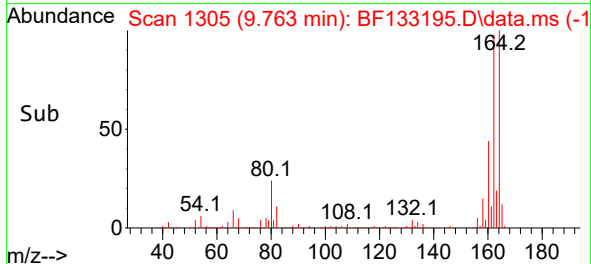
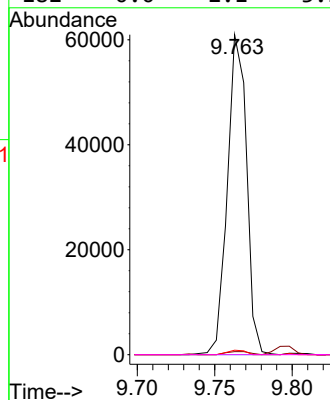
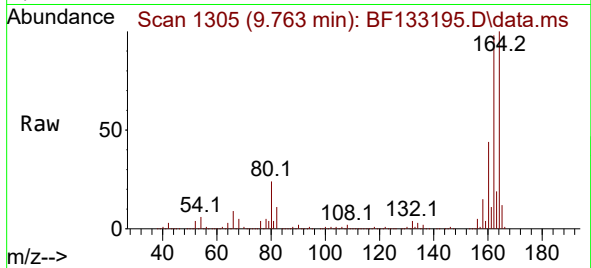




#57
2,4-Dinitrotoluene
Concen: 6.386 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

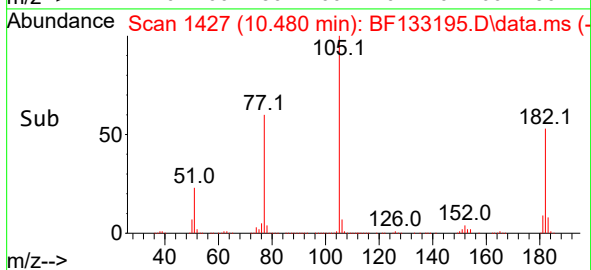
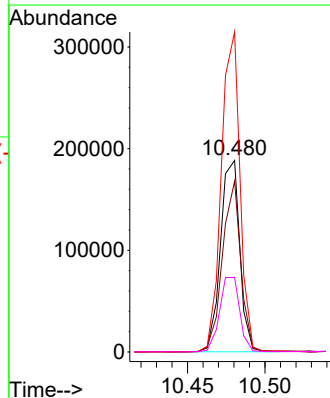
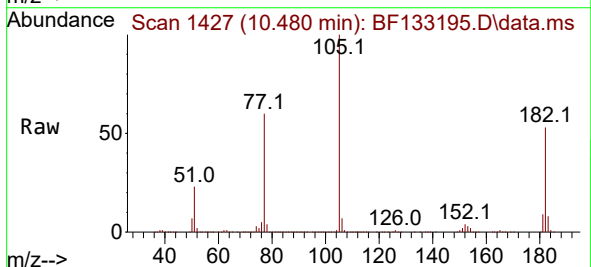
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BNA_F
ClientSampleId :
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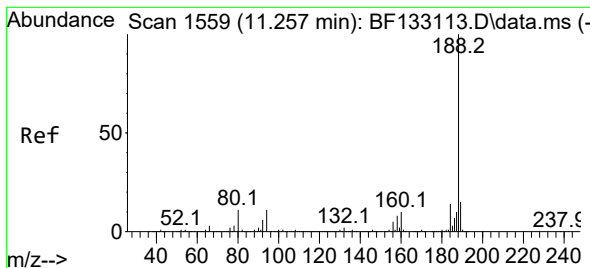
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Ion Ratio Lower Upper
165 100
63 0.9 37.7 56.5#
89 1.4 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 5.678 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion: 77 Resp: 162775
Ion Ratio Lower Upper
77 100
182 89.2 5.9 45.9#
105 167.1 2.3 42.3#
51 38.9 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

RT2343

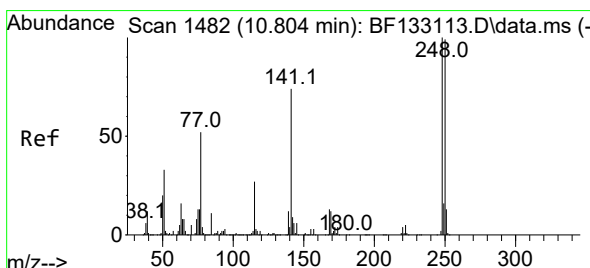
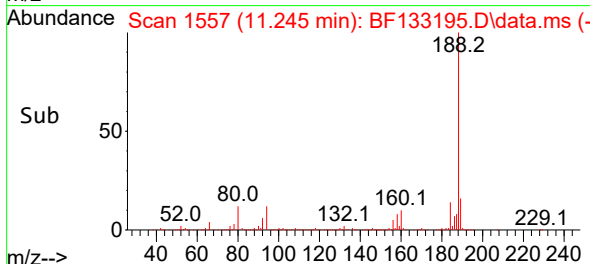
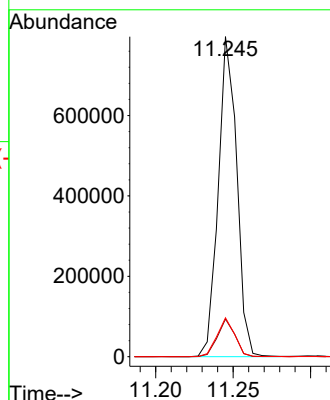
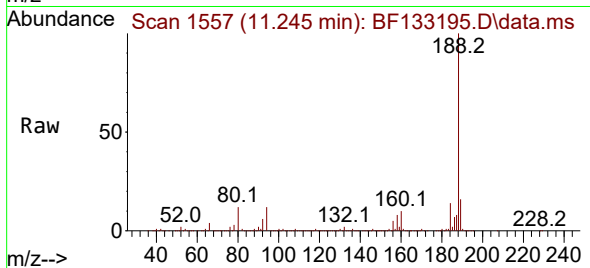
Tgt Ion:188 Resp: 660437

Ion Ratio Lower Upper

188 100

94 11.8 9.7 14.5

80 12.1 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 3.072 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.253 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

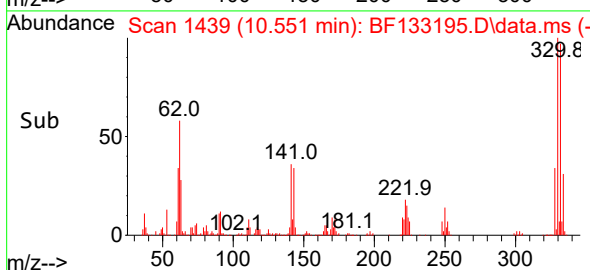
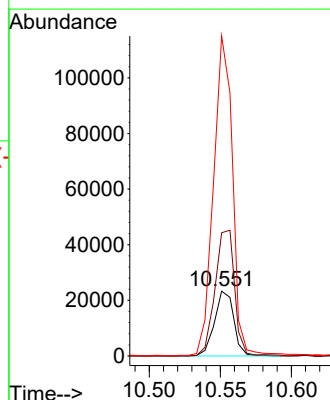
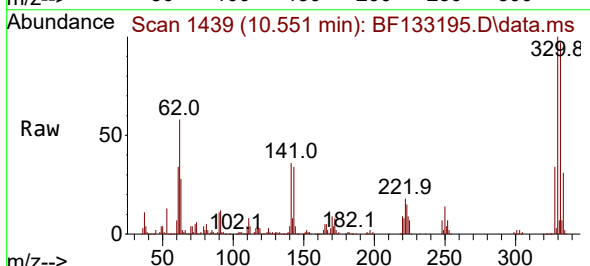
Tgt Ion:248 Resp: 22004

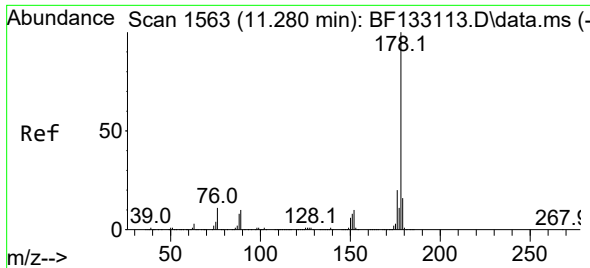
Ion Ratio Lower Upper

248 100

250 190.1 78.7 118.1#

141 493.9 56.3 84.5#

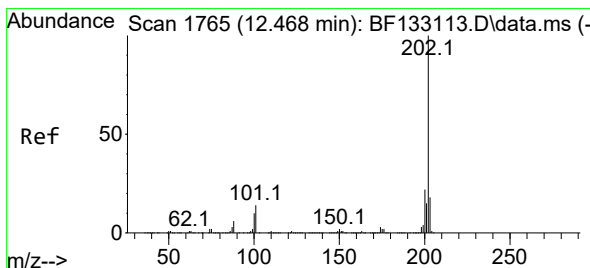
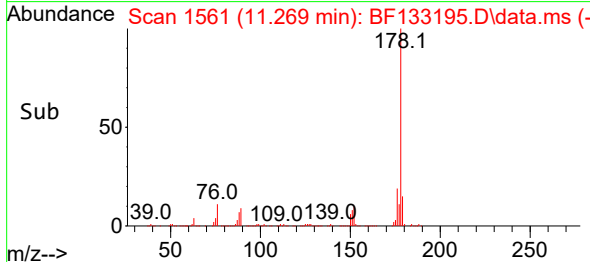
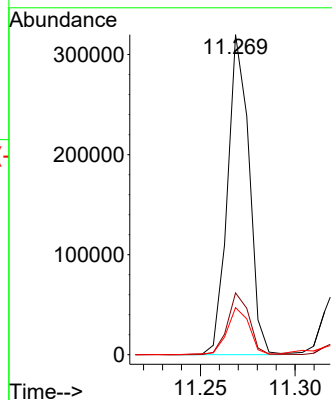
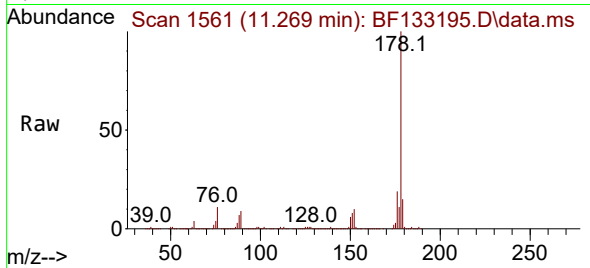




#71
Phenanthrene
Concen: 7.131 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

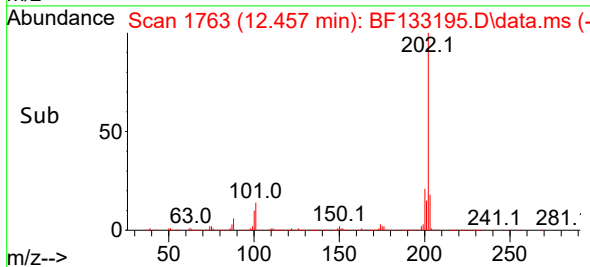
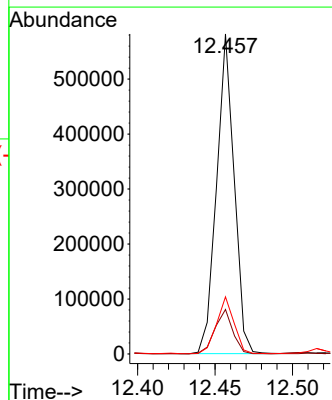
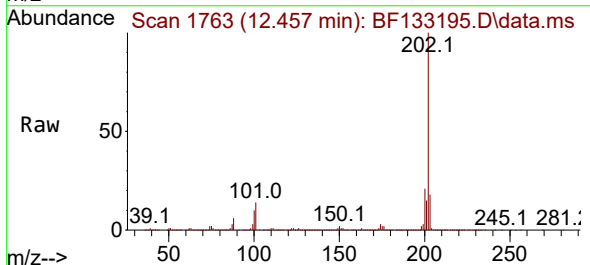
Instrument :
BNA_F
ClientSampleId :
RT2343

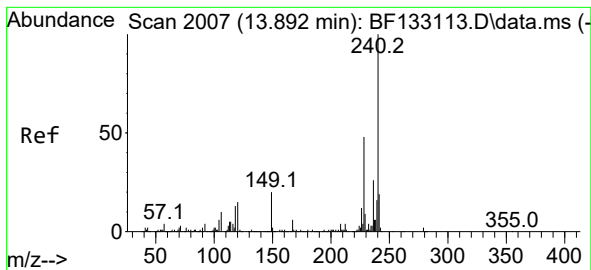
Tgt Ion:178 Resp: 253114
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 14.7 12.5 18.7



#75
Fluoranthene
Concen: 12.870 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion:202 Resp: 458495
Ion Ratio Lower Upper
202 100
101 13.9 0.0 35.3
203 17.8 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

RT2343

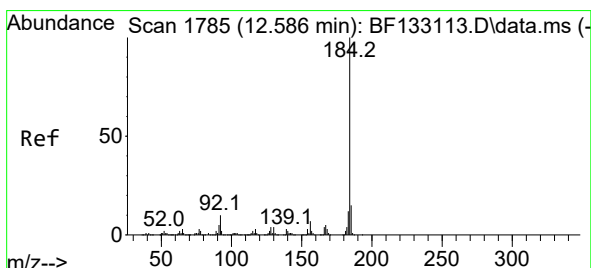
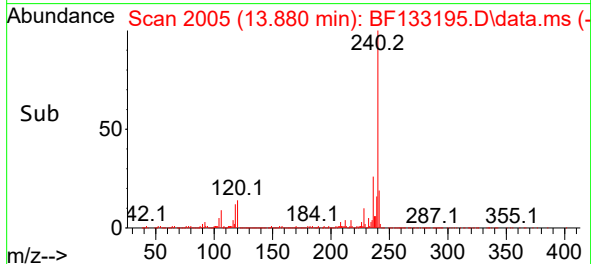
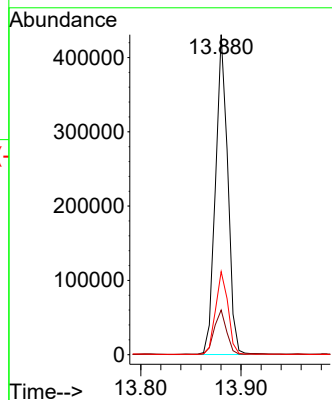
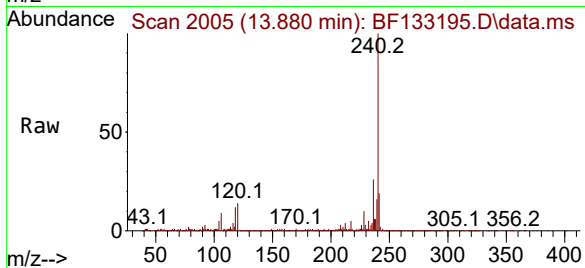
Tgt Ion:240 Resp: 366042

Ion Ratio Lower Upper

240 100

120 13.9 10.5 15.7

236 25.9 21.5 32.3



#77

Benzidine

Concen: 2.348 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.247 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

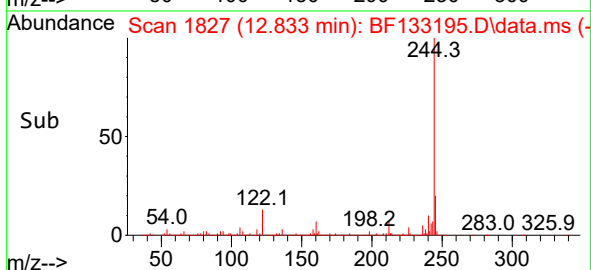
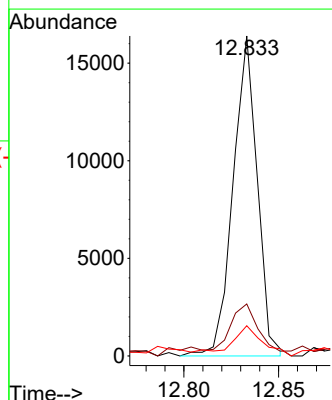
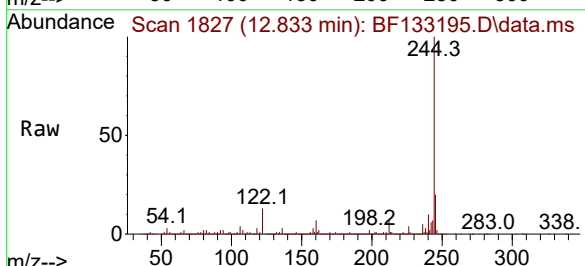
Tgt Ion:184 Resp: 14536

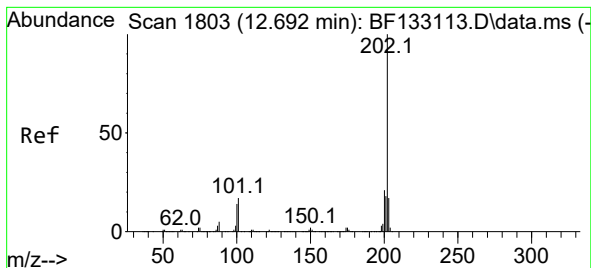
Ion Ratio Lower Upper

184 100

185 16.3 15.4 23.2

183 9.4 9.4 14.0





#78

Pyrene

Concen: 13.206 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

RT2343

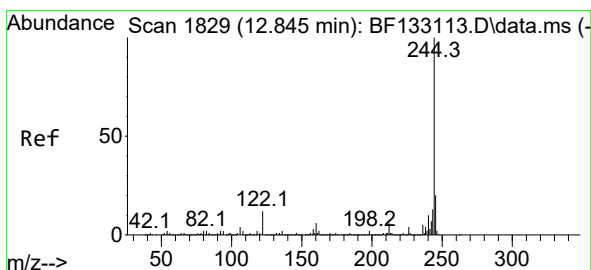
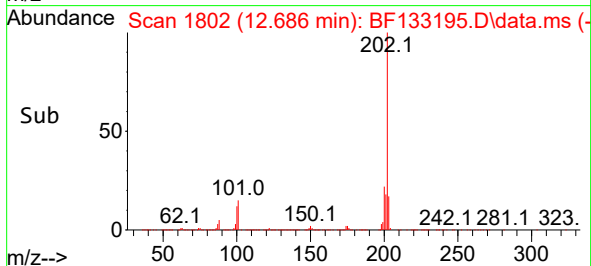
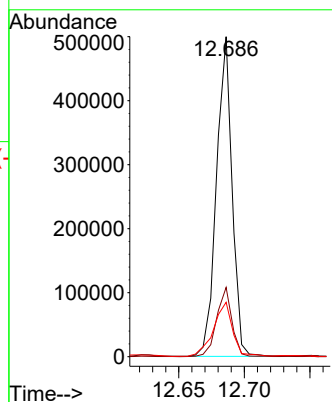
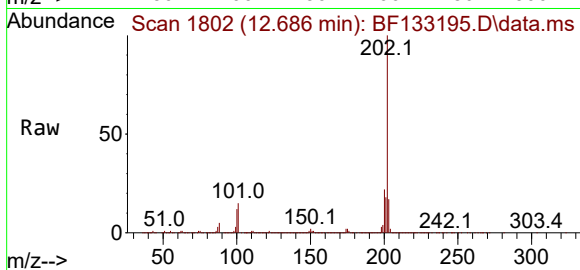
Tgt Ion:202 Resp: 414389

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 17.0 14.1 21.1



#79

Terphenyl-d14

Concen: 55.382 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

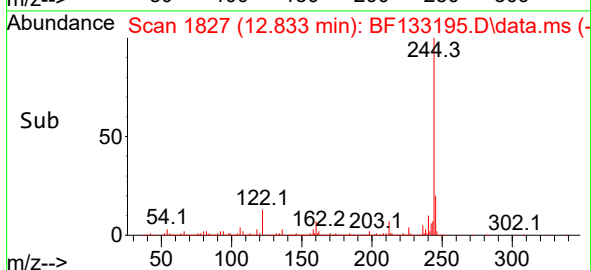
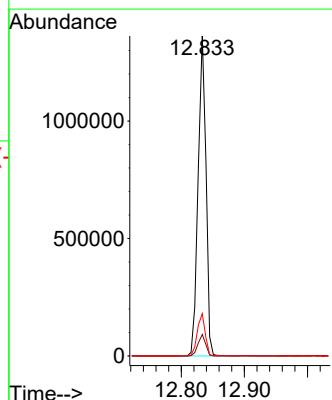
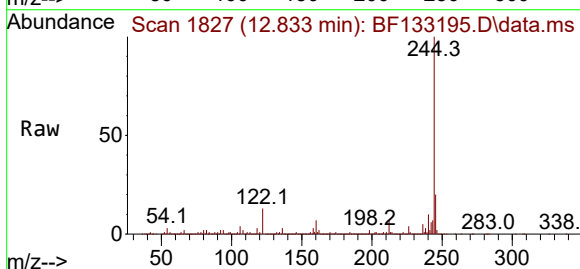
Tgt Ion:244 Resp: 1175416

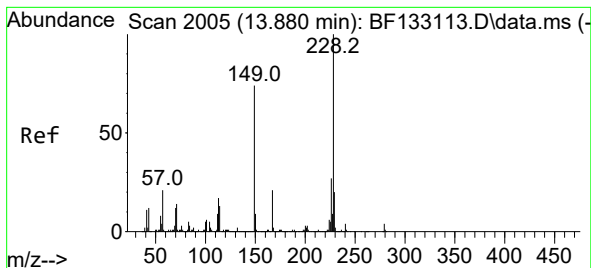
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 13.2 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 6.876 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

RT2343

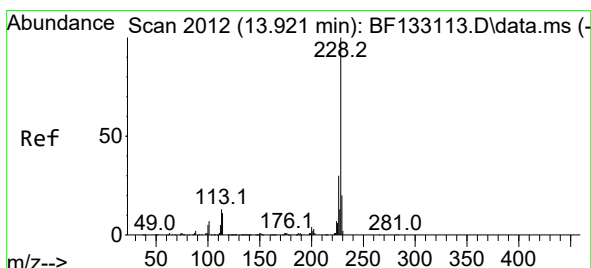
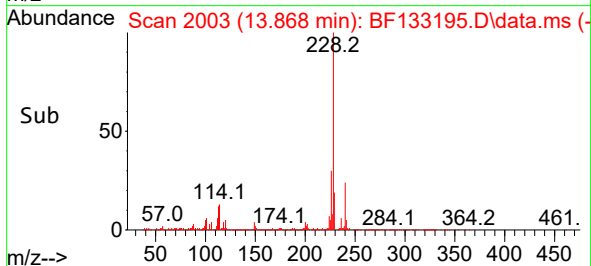
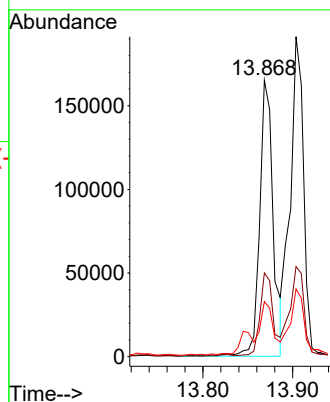
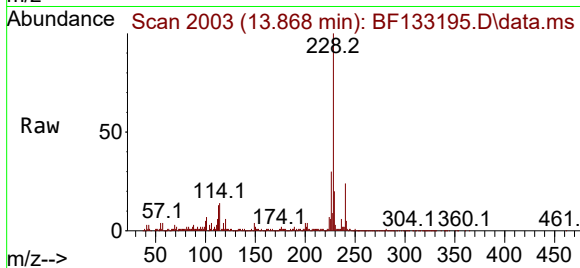
Tgt Ion:228 Resp: 173070

Ion Ratio Lower Upper

228 100

226 30.3 22.2 33.4

229 19.9 16.0 24.0



#83

Chrysene

Concen: 7.875 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.018 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

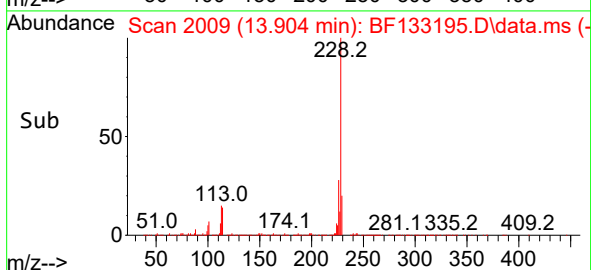
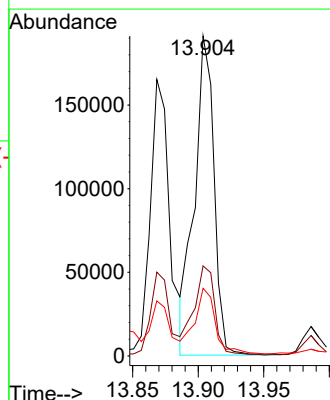
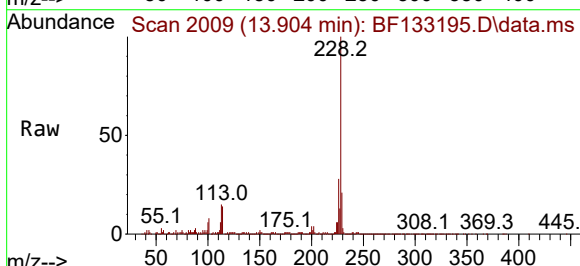
Tgt Ion:228 Resp: 198182

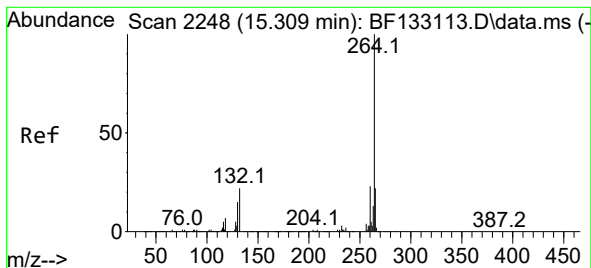
Ion Ratio Lower Upper

228 100

226 28.2 24.7 37.1

229 21.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

Instrument :

BNA_F

ClientSampleId :

RT2343

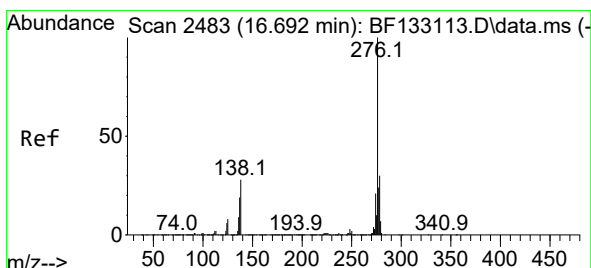
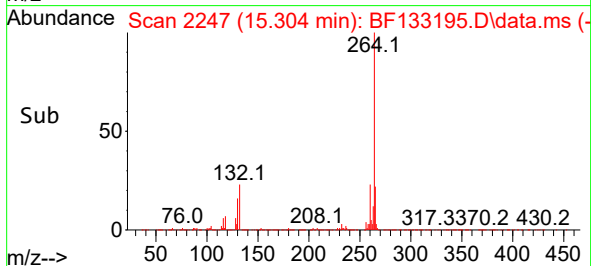
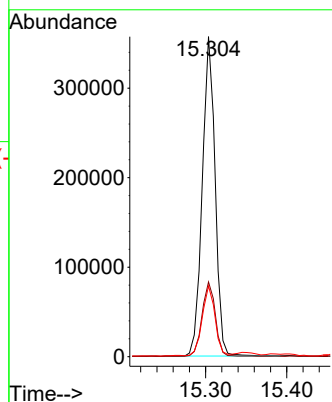
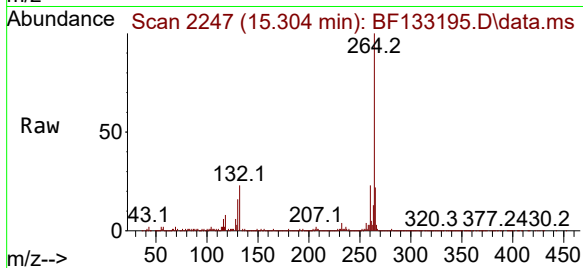
Tgt Ion:264 Resp: 392025

Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 22.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.181 ng

RT: 16.674 min Scan# 2480

Delta R.T. -0.018 min

Lab File: BF133195.D

Acq: 02 May 2023 18:22

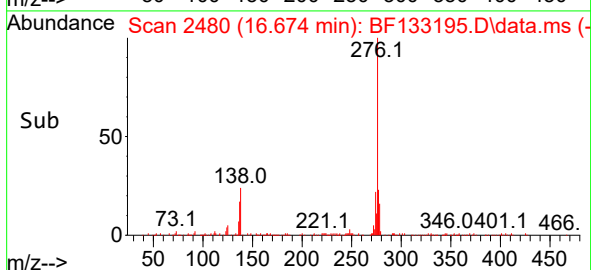
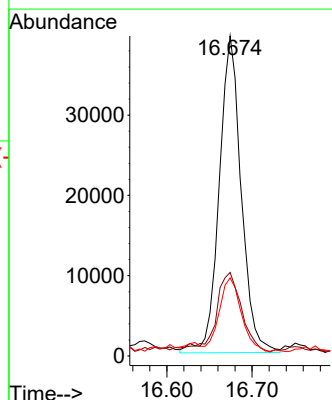
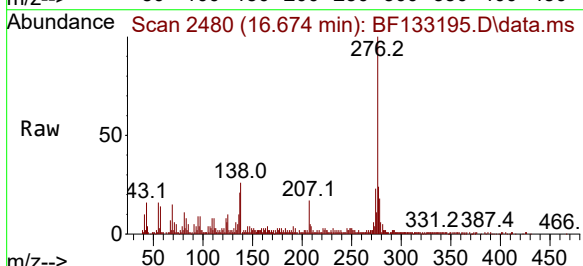
Tgt Ion:276 Resp: 70933

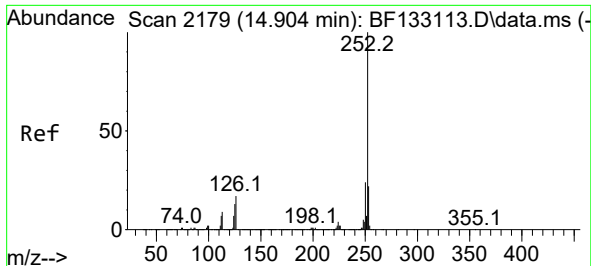
Ion Ratio Lower Upper

276 100

138 29.8 25.5 38.3

277 22.8 20.4 30.6

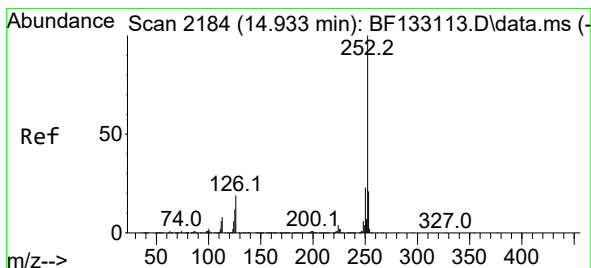
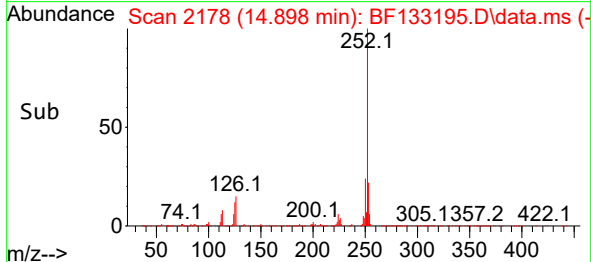
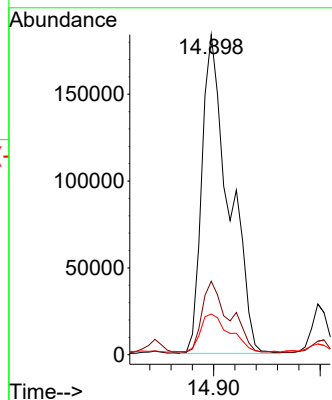
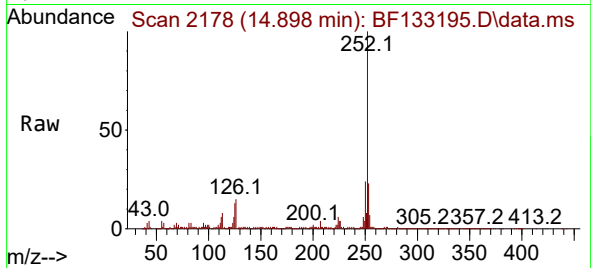




#88
Benzo(b)fluoranthene
Concen: 13.007 ng
RT: 14.898 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

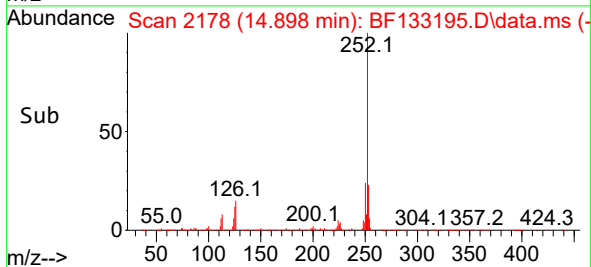
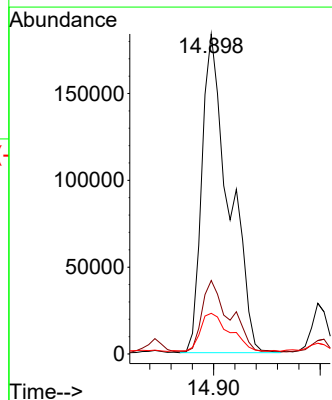
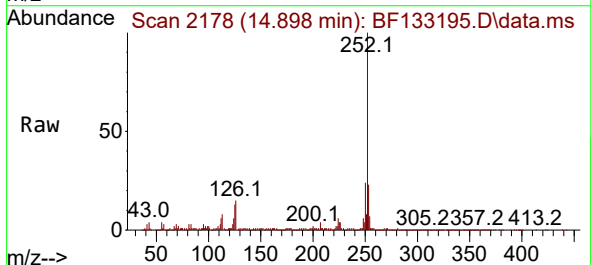
Instrument :
BNA_F
ClientSampleId :
RT2343

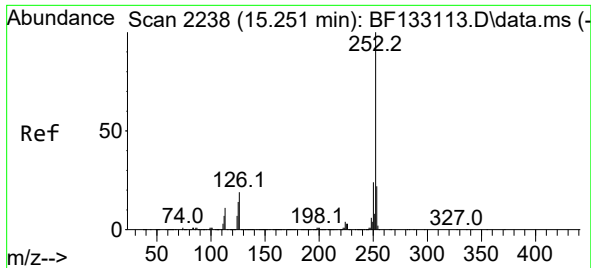
Tgt Ion:252 Resp: 324404
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.7 8.9 13.3



#89
Benzo(k)fluoranthene
Concen: 13.122 ng
RT: 14.898 min Scan# 2178
Delta R.T. -0.035 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion:252 Resp: 324404
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 12.7 9.0 13.4

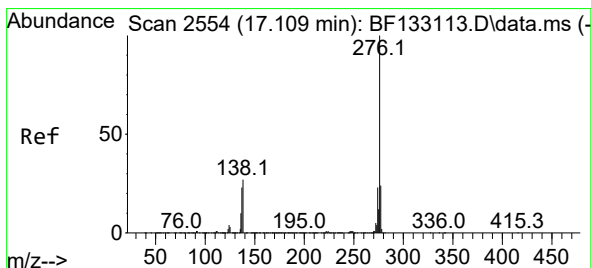
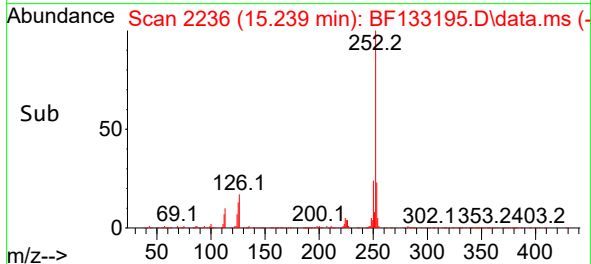
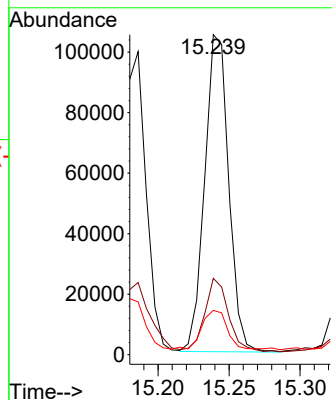
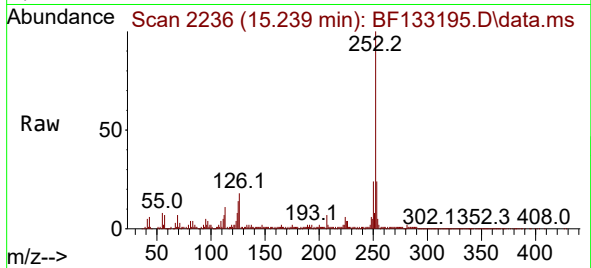




#90
Benzo(a)pyrene
Concen: 5.447 ng
RT: 15.239 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Instrument :
BNA_F
ClientSampleId :
RT2343

Tgt Ion:252 Resp: 123655
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 13.9 10.5 15.7



#92
Benzo(g,h,i)perylene
Concen: 3.307 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.023 min
Lab File: BF133195.D
Acq: 02 May 2023 18:22

Tgt Ion:276 Resp: 60728
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 31.1 22.7 34.1

