

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133205.D
 Acq On : 03 May 2023 14:06
 Operator : CG\JU
 Sample : 02572-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-251671DL

Quant Time: May 03 14:37:32 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 12:00:39 2023
 Response via : Initial Calibration

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

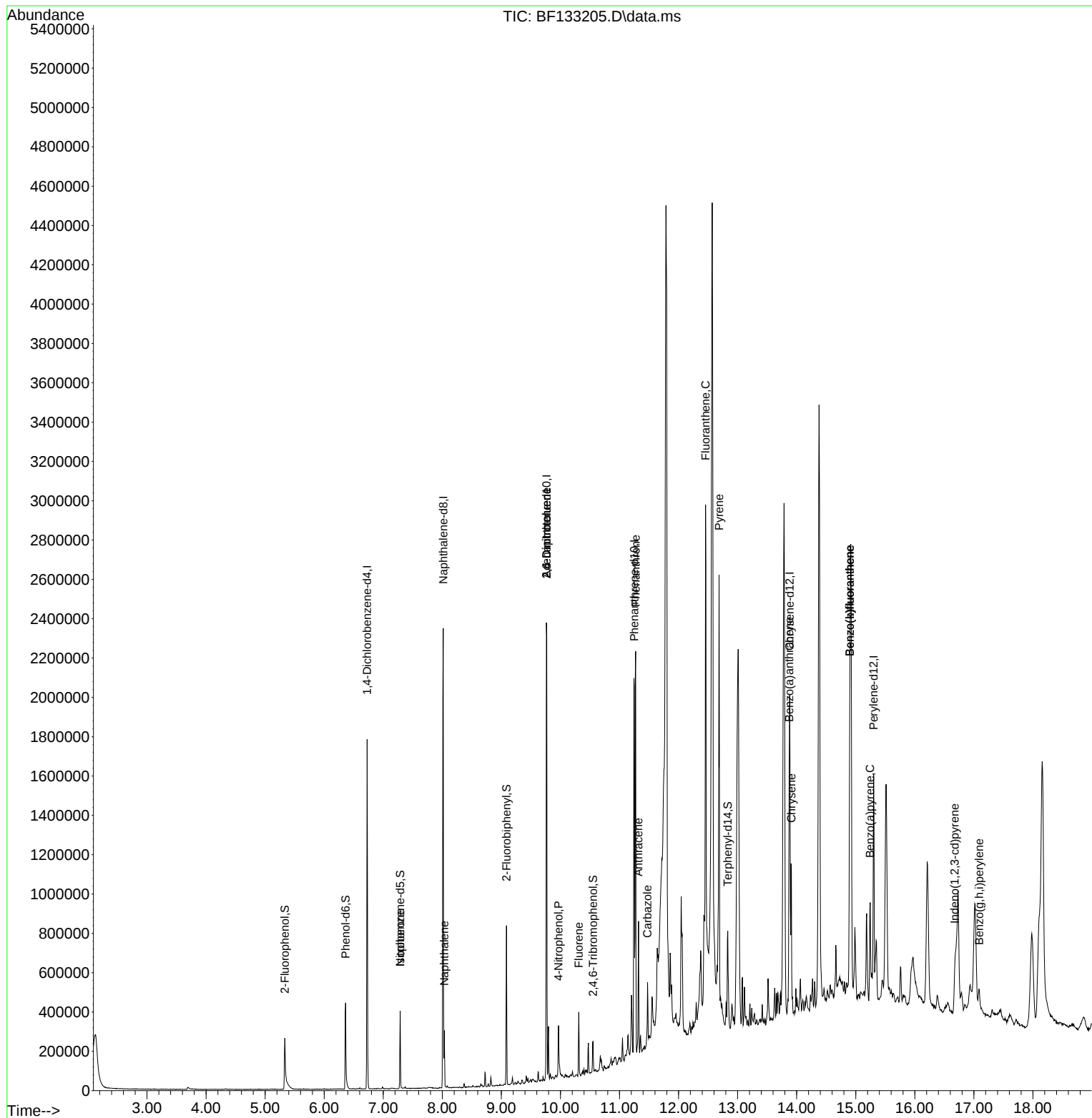
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	237345	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	953792	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	472560	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	746494	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	416992	20.000	ng	-0.01
86) Perylene-d12	15.304	264	469390	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	125256	7.972	ng	0.00
7) Phenol-d6	6.363	99	157766	8.090	ng	-0.01
23) Nitrobenzene-d5	7.286	82	97392	5.512	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	12246	2.577	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	206791	7.321	ng	0.00
79) Terphenyl-d14	12.833	244	148755	6.152	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	735	Below Cal	#	78
25) Isophorone	7.286	82	96006	2.862	ng	# 63
31) Naphthalene	8.033	128	97482	2.044	ng	99
51) 2,6-Dinitrotoluene	9.763	165	64081	8.641	ng	# 25
56) 4-Nitrophenol	9.969	139	26369	3.861	ng	# 18
57) 2,4-Dinitrotoluene	9.763	165	64081	6.775	ng	# 23
58) Fluorene	10.310	166	78096	2.662	ng	99
71) Phenanthrene	11.274	178	766903	19.114	ng	99
72) Anthracene	11.321	178	228533	5.566	ng	100
73) Carbazole	11.474	167	104030	2.845	ng	99
75) Fluoranthene	12.457	202	926370	23.006	ng	99
78) Pyrene	12.686	202	823611	23.041	ng	100
81) Benzo(a)anthracene	13.874	228	291491	10.165	ng	97
83) Chrysene	13.910	228	338209	11.797	ng	96
87) Indeno(1,2,3-cd)pyrene	16.674	276	97107	3.637	ng	96
88) Benzo(b)fluoranthene	14.898	252	534822	17.910	ng	# 94
89) Benzo(k)fluoranthene	14.898	252	534822	18.067	ng	# 94
90) Benzo(a)pyrene	15.245	252	210581	7.747	ng	99
92) Benzo(g,h,i)perylene	17.092	276	80652	3.668	ng	97

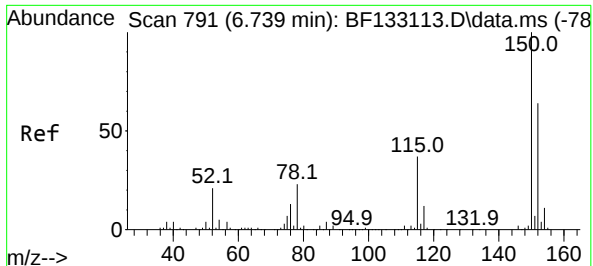
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133205.D
Acq On : 03 May 2023 14:06
Operator : CG\JU
Sample : 02572-01DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

Quant Time: May 03 14:37:32 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 12:00:39 2023
Response via : Initial Calibration

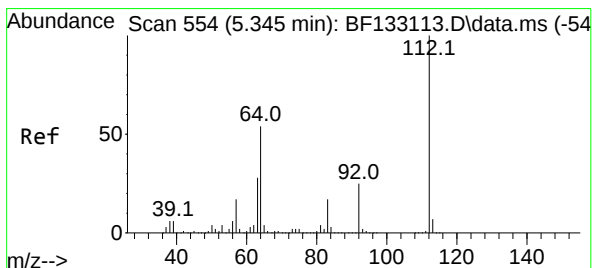
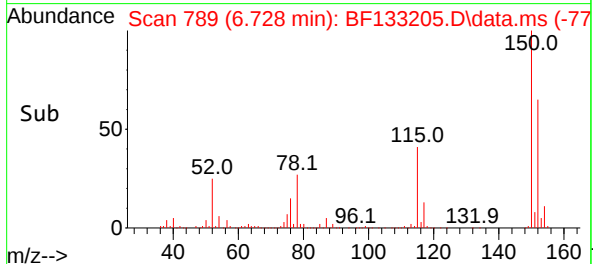
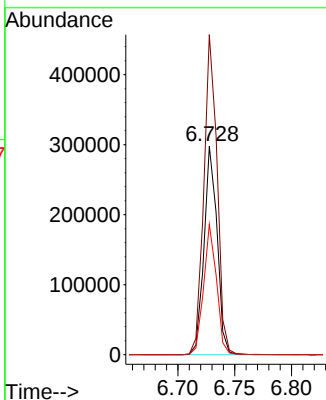
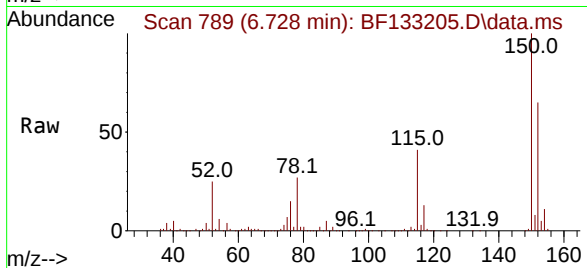




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF133205.D
 Acq: 03 May 2023 14:06

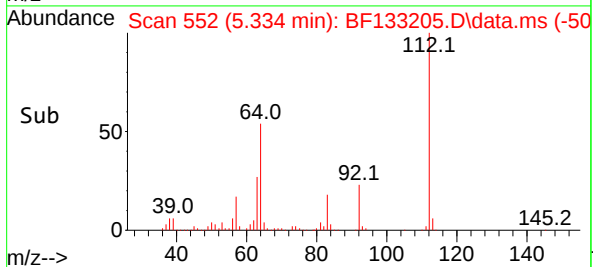
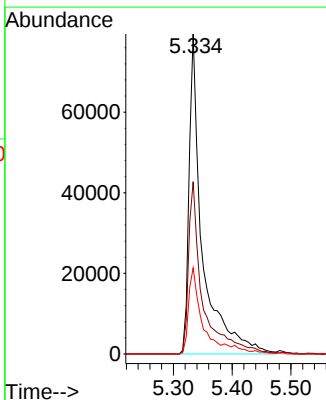
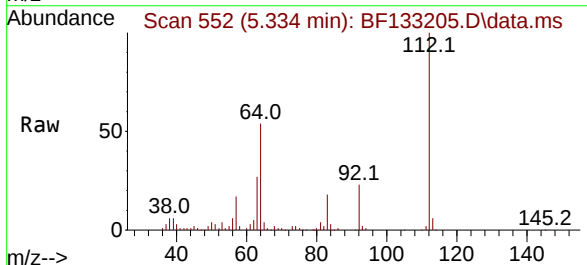
Instrument :
 BNA_F
 ClientSampleId :
 RBR-251671DL

Tgt Ion:152 Resp: 237345
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.8 187.2
 115 62.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 7.972 ng
 RT: 5.334 min Scan# 552
 Delta R.T. -0.006 min
 Lab File: BF133205.D
 Acq: 03 May 2023 14:06

Tgt Ion:112 Resp: 125256
 Ion Ratio Lower Upper
 112 100
 64 53.8 46.8 70.2
 63 26.9 23.8 35.8

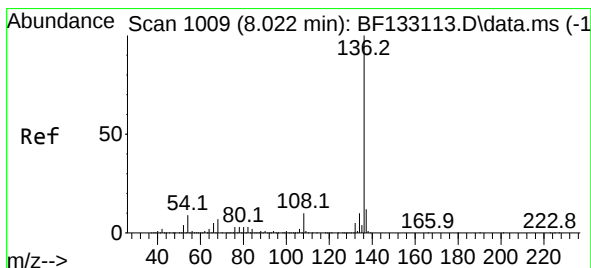
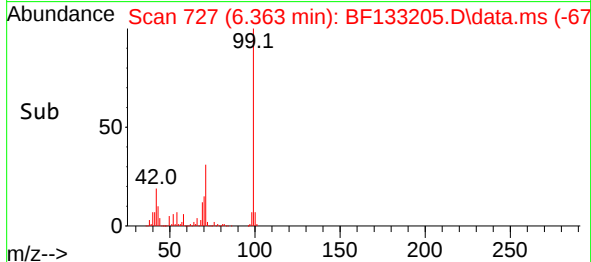
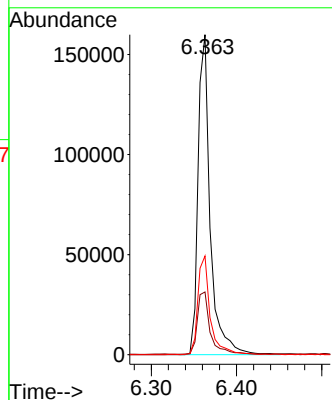
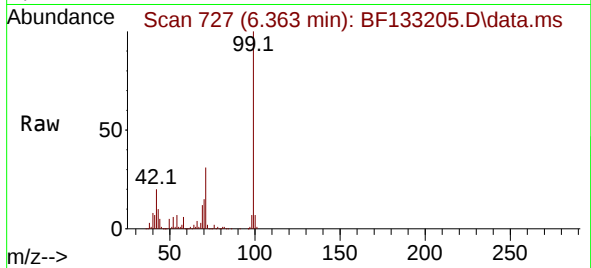




#7
Phenol-d6
Concen: 8.090 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

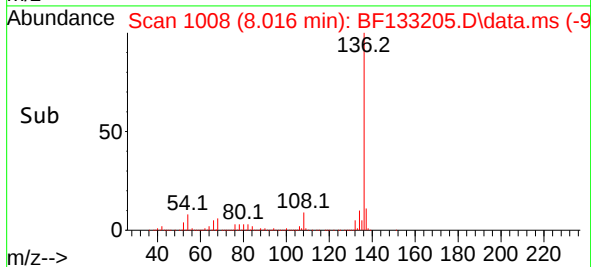
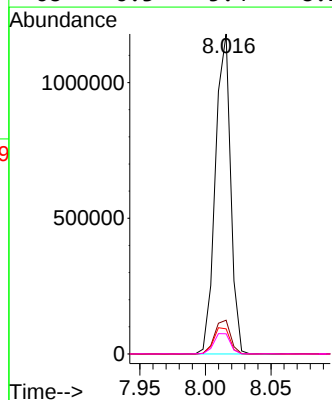
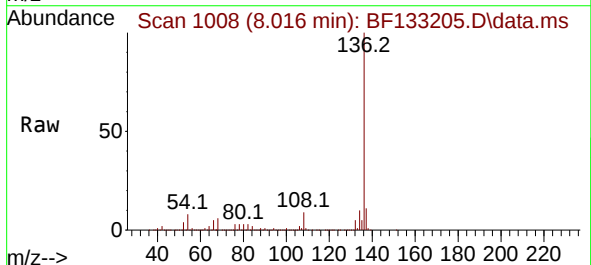
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

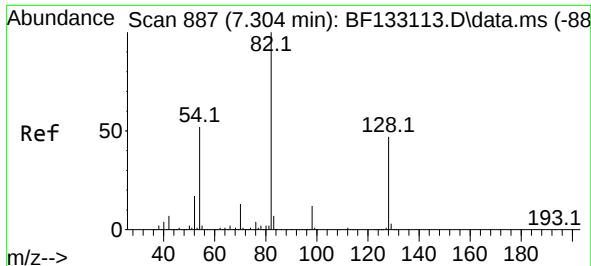
Tgt Ion: 99 Resp: 157766
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 30.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion: 136 Resp: 953792
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.8 7.0 10.4
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 5.512 ng

RT: 7.286 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RBR-251671DL

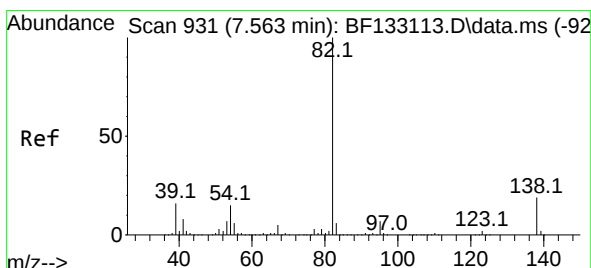
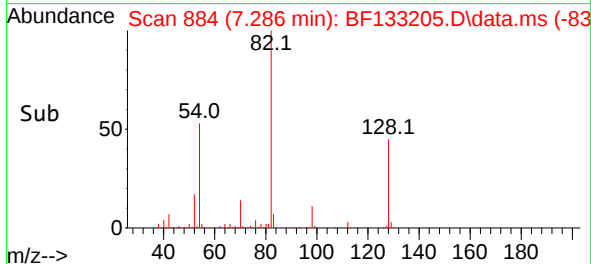
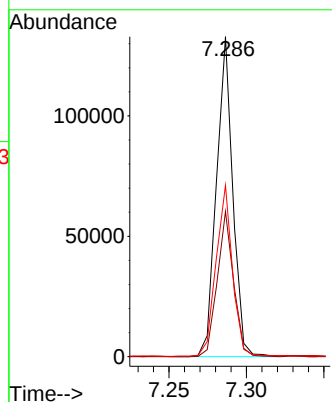
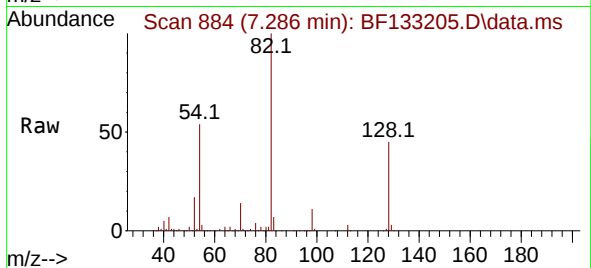
Tgt Ion: 82 Resp: 97392

Ion Ratio Lower Upper

82 100

128 45.4 37.7 56.5

54 53.6 43.0 64.4



#25

Isophorone

Concen: 2.862 ng

RT: 7.286 min Scan# 884

Delta R.T. -0.271 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

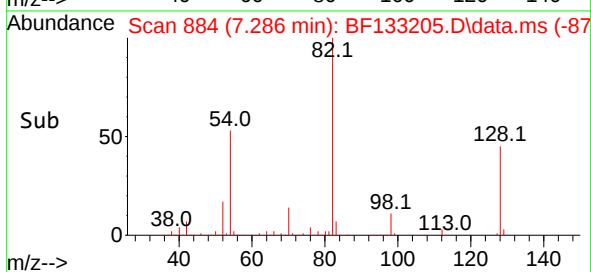
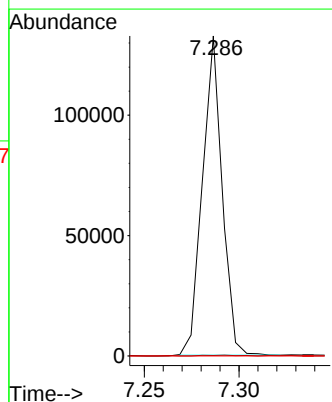
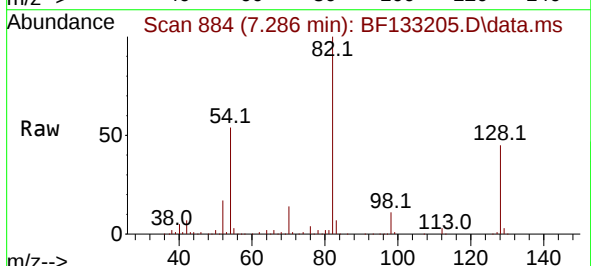
Tgt Ion: 82 Resp: 96006

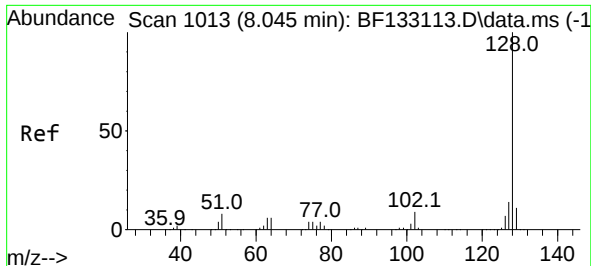
Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.0#

138 0.0 16.0 24.0#

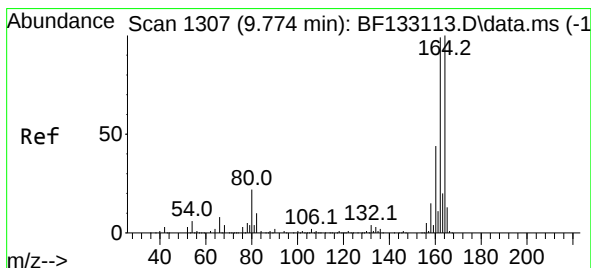
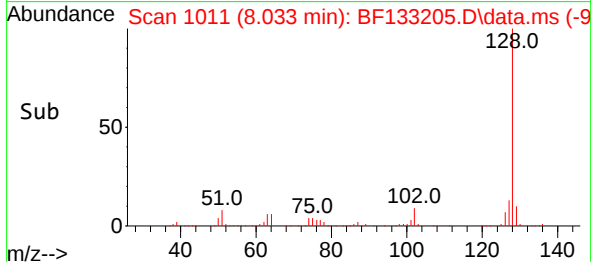
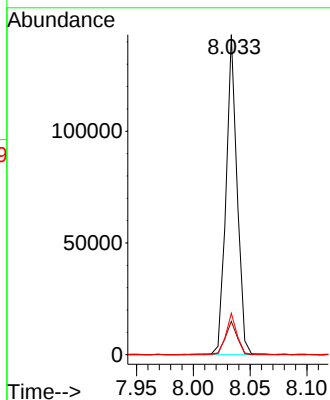
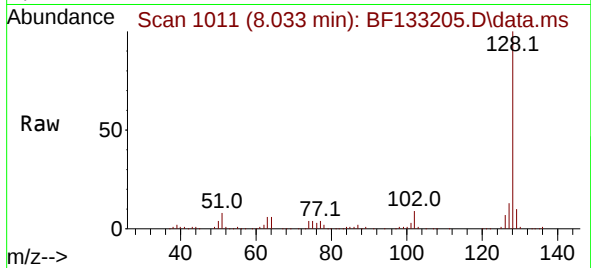




#31
Naphthalene
Concen: 2.044 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

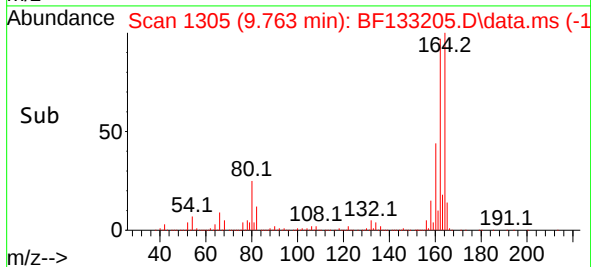
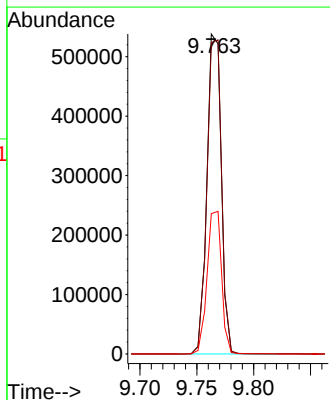
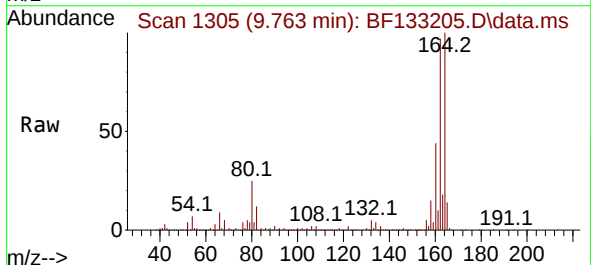
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

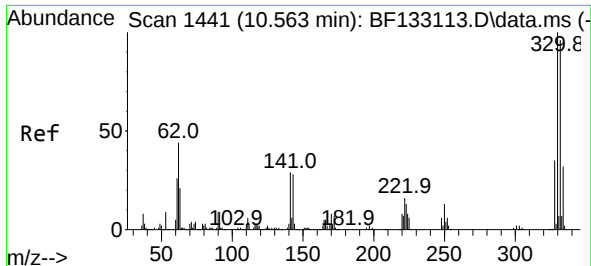
Tgt Ion:128 Resp: 97482
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.0 10.7 16.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:164 Resp: 472560
Ion Ratio Lower Upper
164 100
162 97.3 78.7 118.1
160 43.9 35.8 53.6

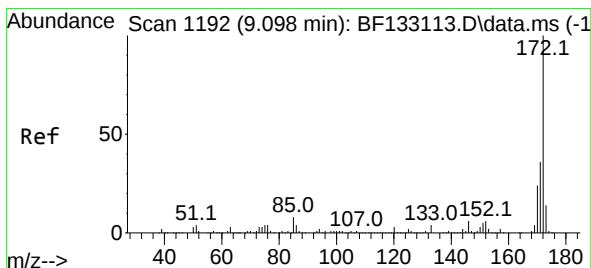
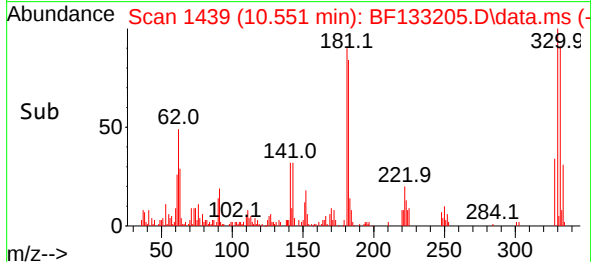
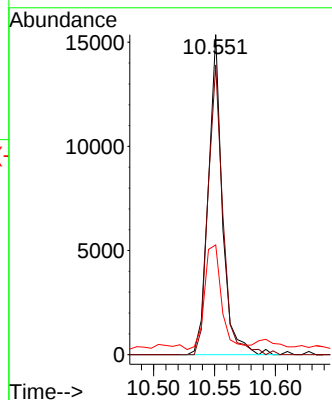
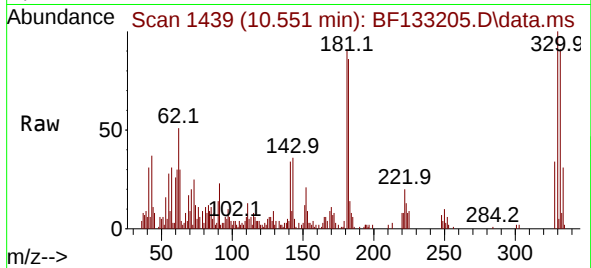




#42
2,4,6-Tribromophenol
Concen: 2.577 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

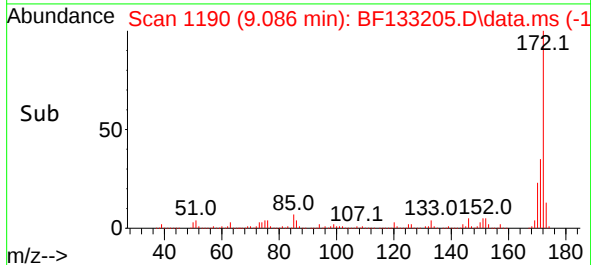
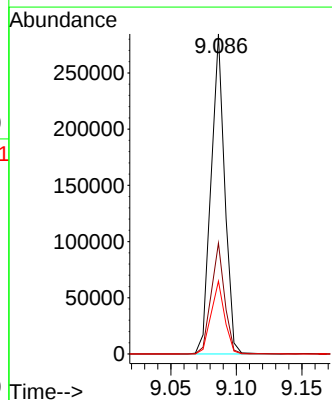
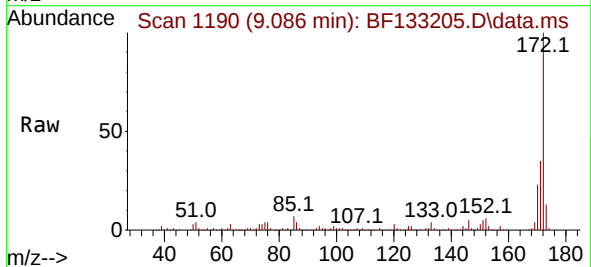
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

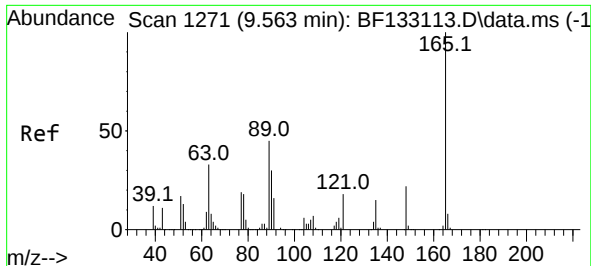
Tgt Ion: 330 Resp: 12246
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 39.5 25.8 38.8#



#45
2-Fluorobiphenyl
Concen: 7.321 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion: 172 Resp: 206791
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 22.8 19.4 29.2

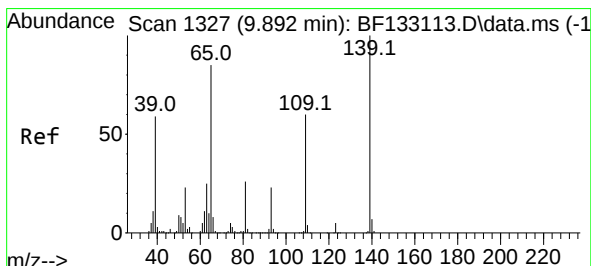
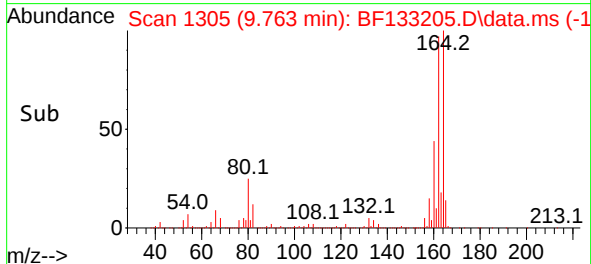
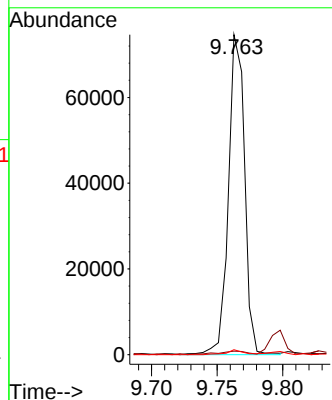
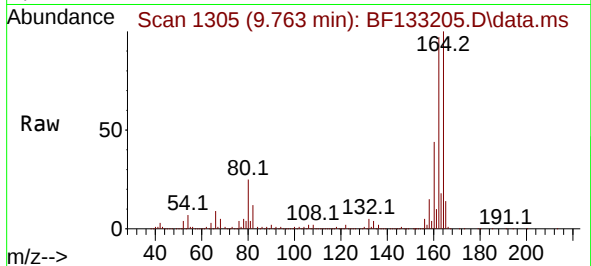




#51
2,6-Dinitrotoluene
Concen: 8.641 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

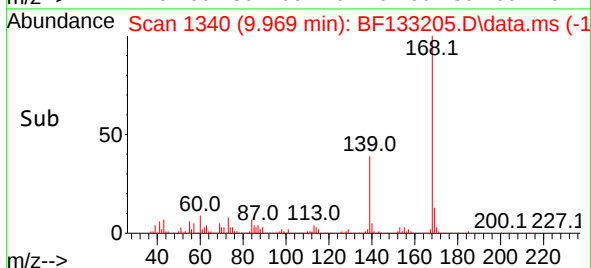
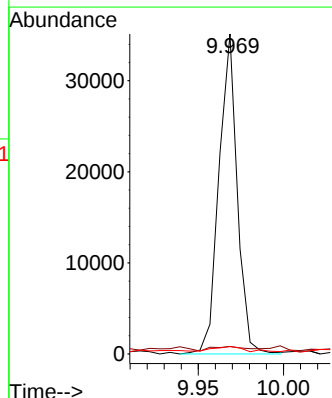
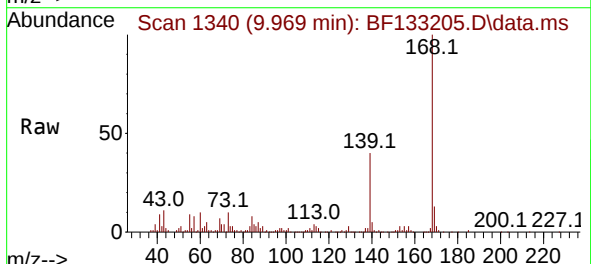
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

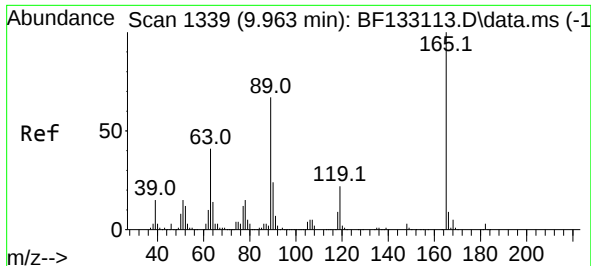
Tgt Ion:165 Resp: 64081
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.5 44.0 66.0#



#56
4-Nitrophenol
Concen: 3.861 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.082 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:139 Resp: 26369
Ion Ratio Lower Upper
139 100
109 2.4 39.4 79.4#
65 2.3 57.5 97.5#





#57

2,4-Dinitrotoluene

Concen: 6.775 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RBR-251671DL

Tgt Ion:165 Resp: 64081

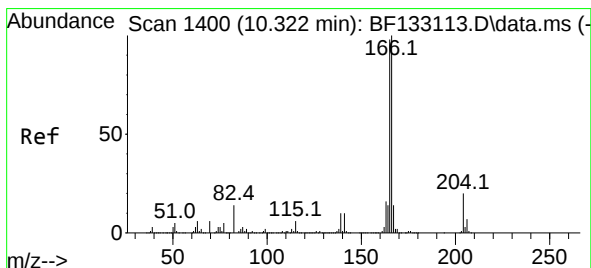
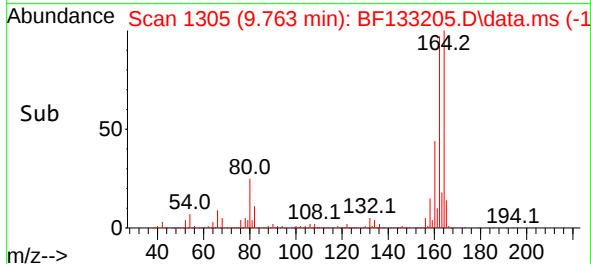
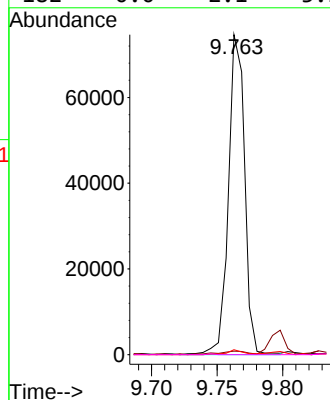
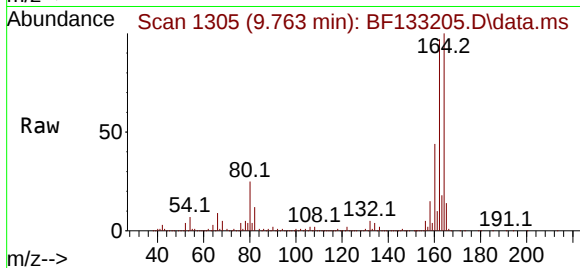
Ion Ratio Lower Upper

165 100

63 1.1 37.7 56.5#

89 1.5 57.0 85.4#

182 0.0 2.1 3.1#



#58

Fluorene

Concen: 2.662 ng

RT: 10.310 min Scan# 1398

Delta R.T. -0.006 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

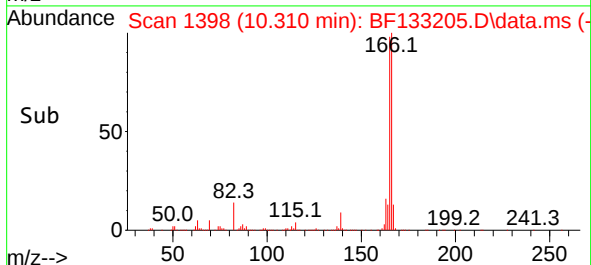
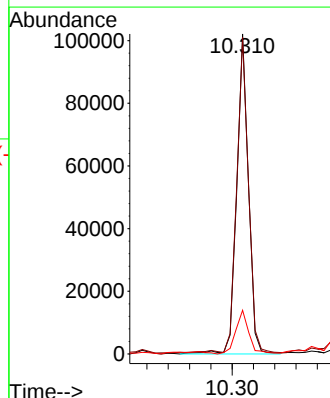
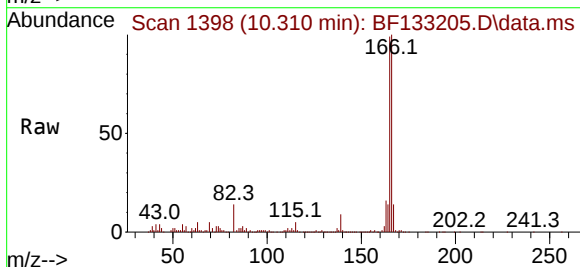
Tgt Ion:166 Resp: 78096

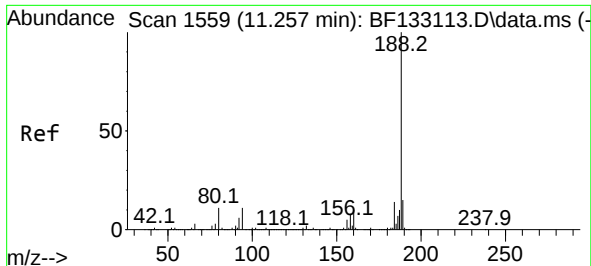
Ion Ratio Lower Upper

166 100

165 98.9 78.6 117.8

167 13.7 11.0 16.4

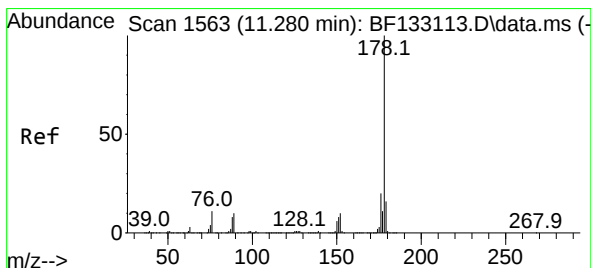
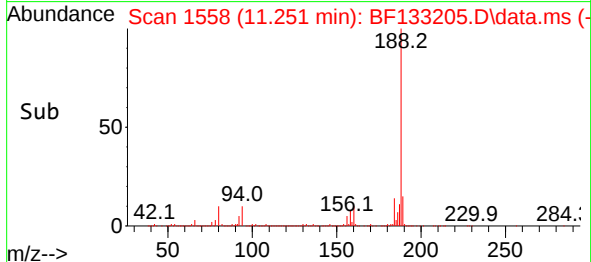
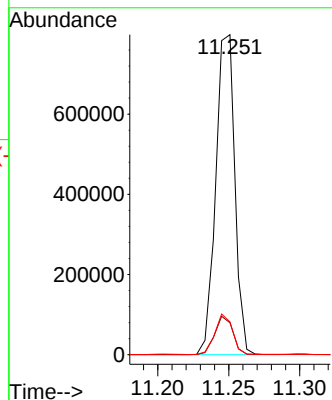
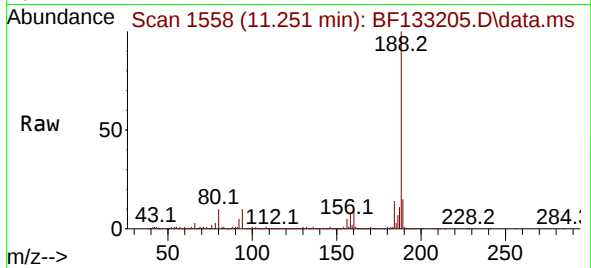




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

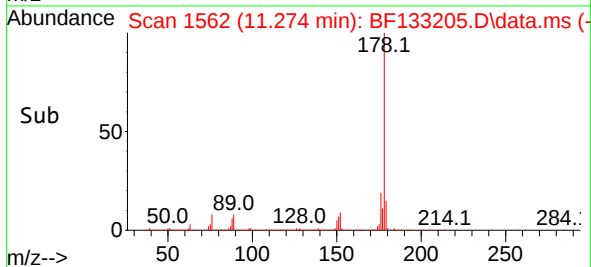
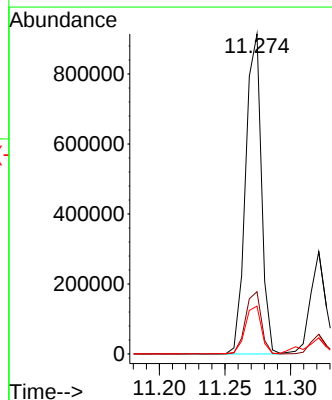
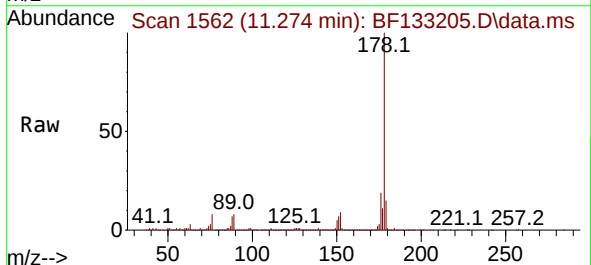
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

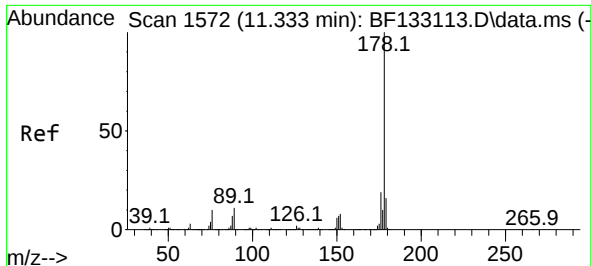
Tgt Ion:188 Resp: 746494
Ion Ratio Lower Upper
188 100
94 10.0 9.7 14.5
80 10.2 10.4 15.6#



#71
Phenanthrene
Concen: 19.114 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:178 Resp: 766903
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 14.9 12.5 18.7

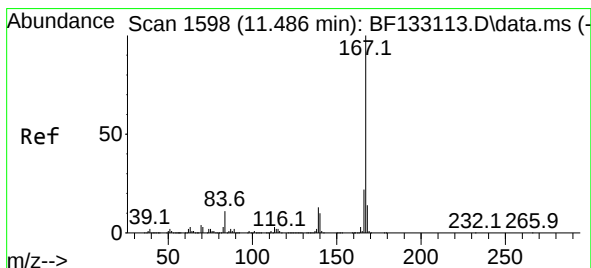
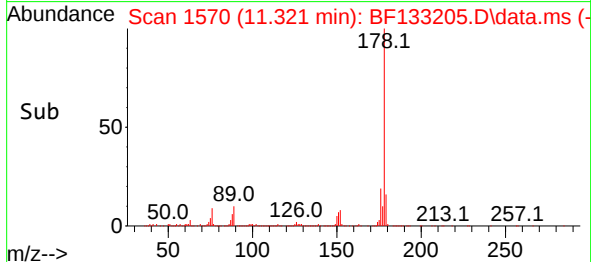
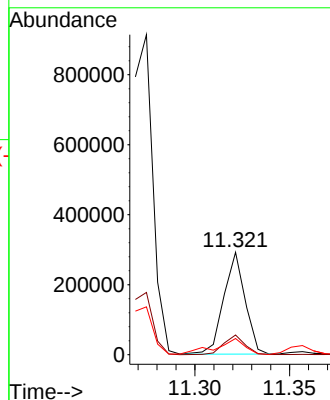
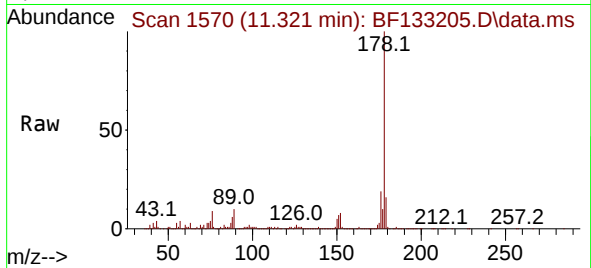




#72
Anthracene
Concen: 5.566 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

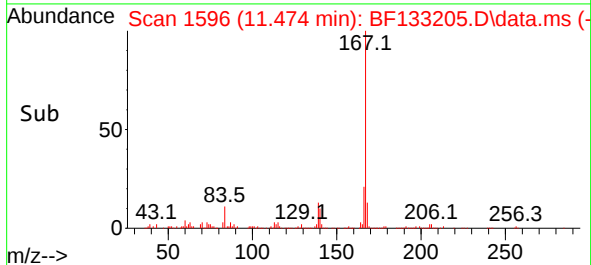
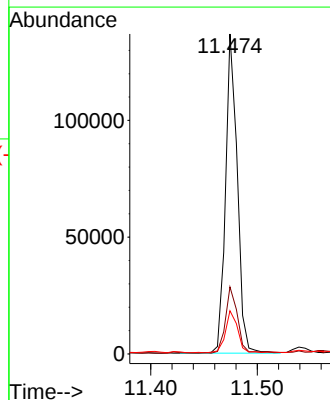
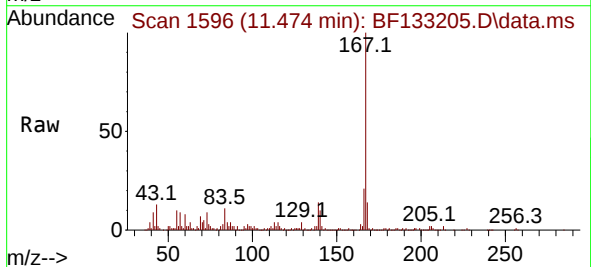
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

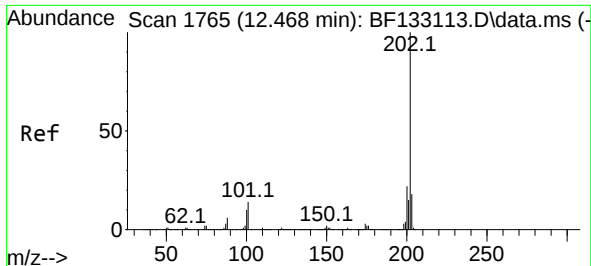
Tgt Ion:178 Resp: 228533
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.9 12.4 18.6



#73
Carbazole
Concen: 2.845 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.012 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:167 Resp: 104030
Ion Ratio Lower Upper
167 100
166 21.0 17.4 26.0
139 13.5 10.6 16.0

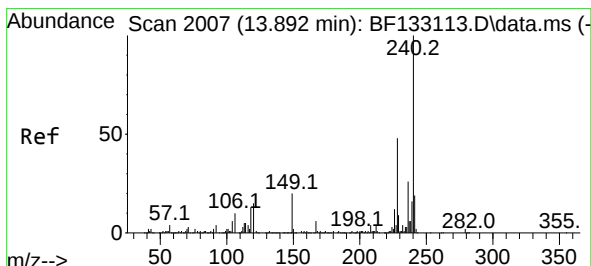
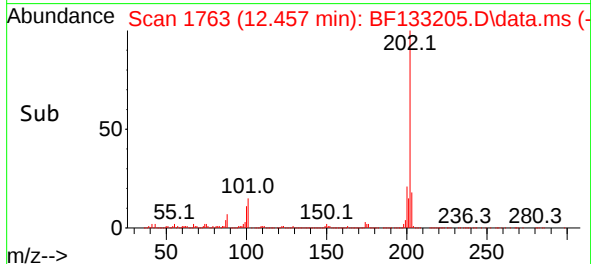
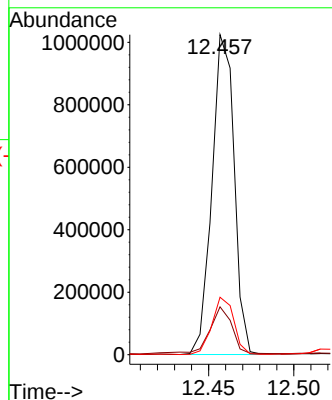
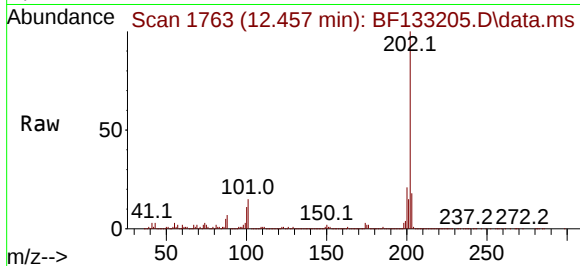




#75
Fluoranthene
Concen: 23.006 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

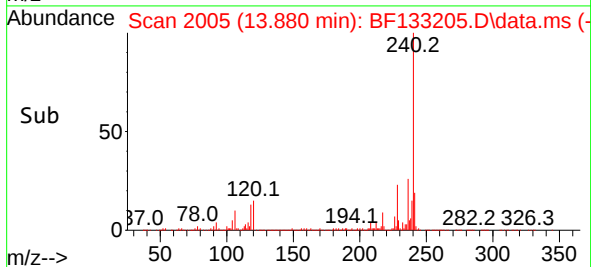
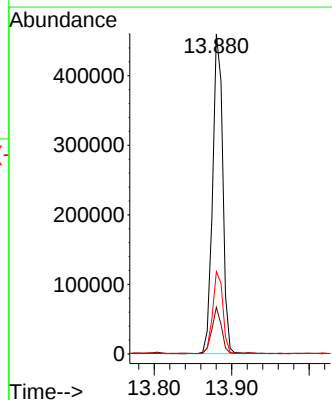
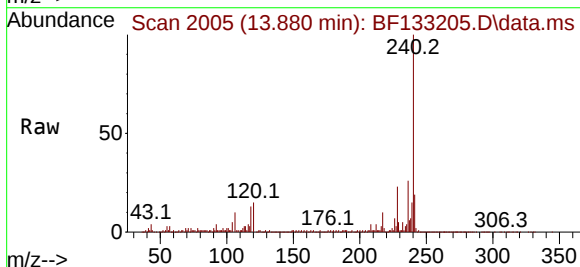
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

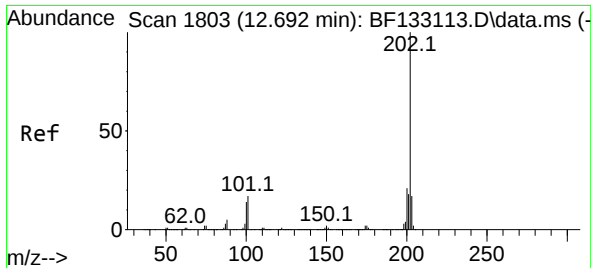
Tgt Ion:202 Resp: 926370
Ion Ratio Lower Upper
202 100
101 15.0 0.0 35.3
203 18.0 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:240 Resp: 416992
Ion Ratio Lower Upper
240 100
120 14.6 10.5 15.7
236 25.8 21.5 32.3

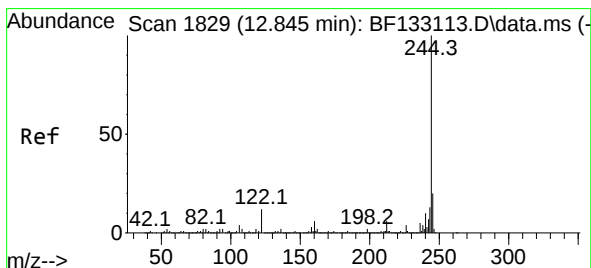
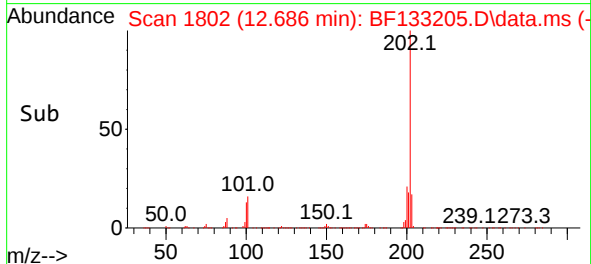
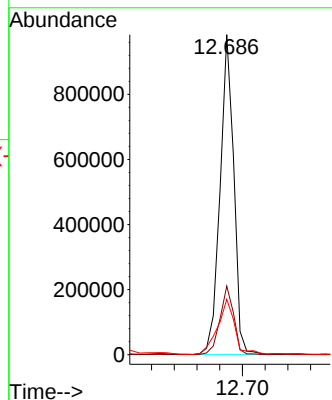
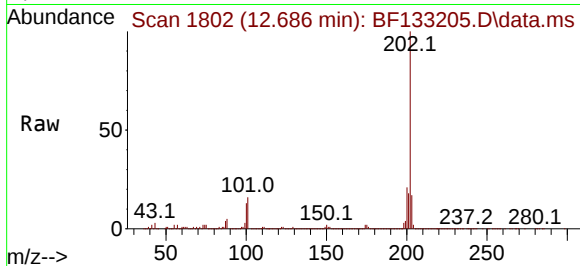




#78
Pyrene
Concen: 23.041 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

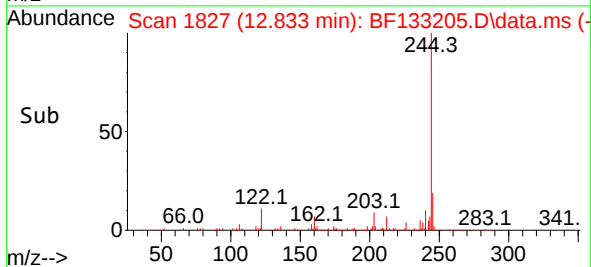
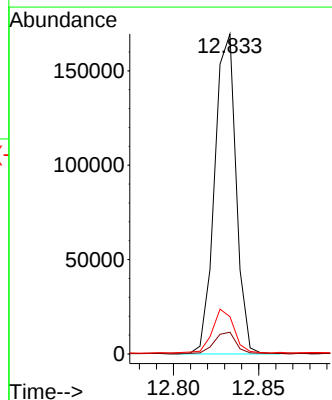
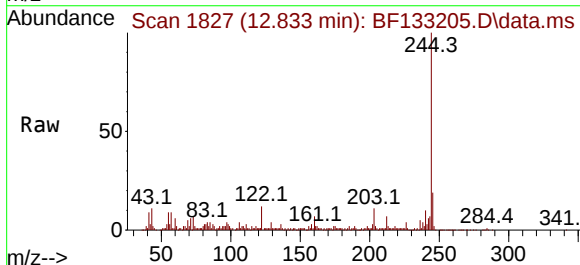
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

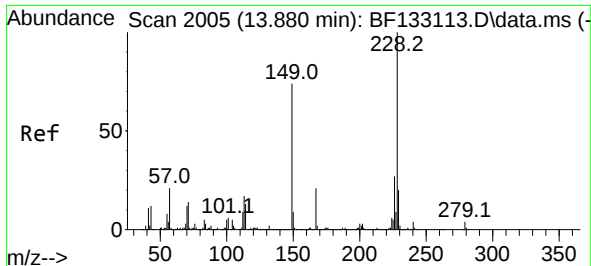
Tgt Ion:202 Resp: 823611
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.3 14.1 21.1



#79
Terphenyl-d14
Concen: 6.152 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:244 Resp: 148755
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 11.6 8.6 13.0

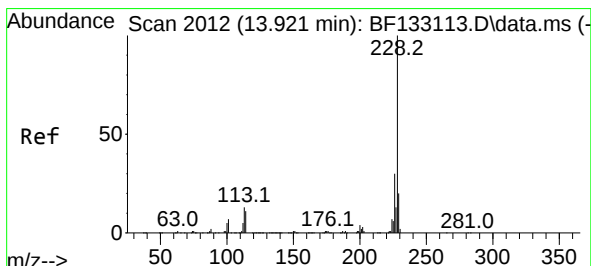
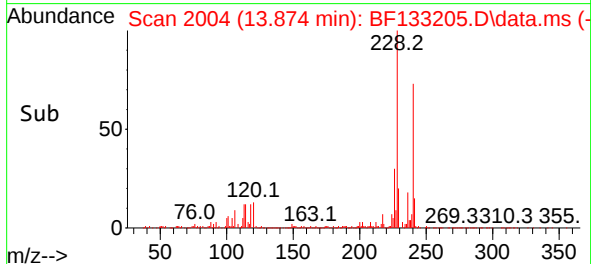
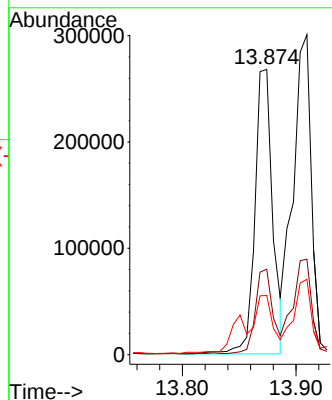
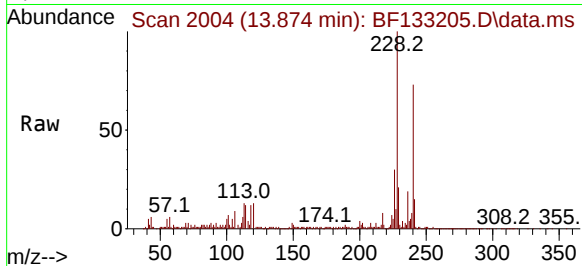




#81
Benzo(a)anthracene
Concen: 10.165 ng
RT: 13.874 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

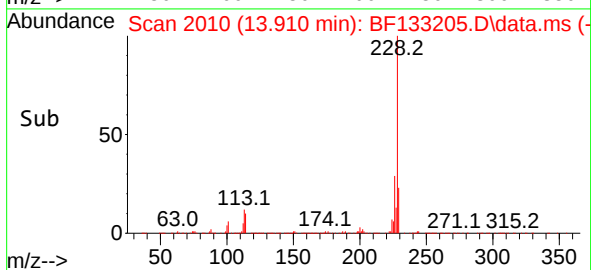
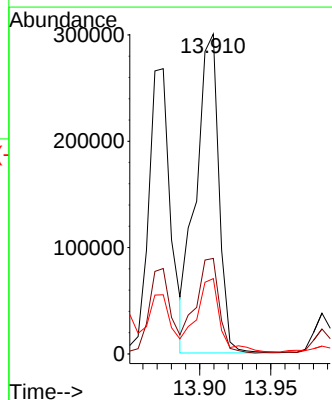
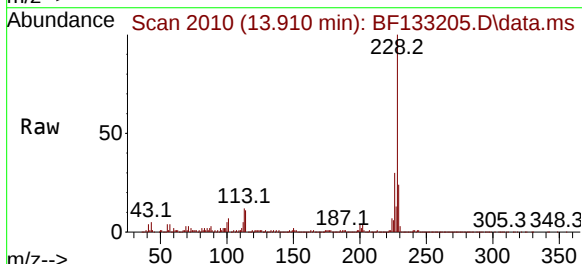
Instrument :
BNA_F
ClientSampleId :
RBR-251671DL

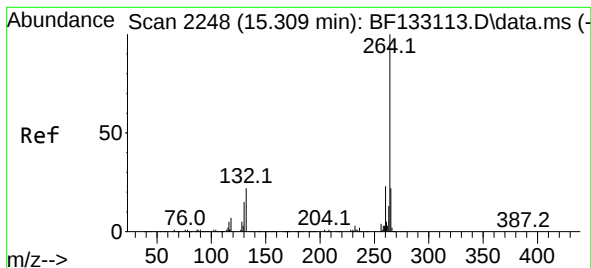
Tgt Ion:228 Resp: 291491
Ion Ratio Lower Upper
228 100
226 29.9 22.2 33.4
229 20.8 16.0 24.0



#83
Chrysene
Concen: 11.797 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133205.D
Acq: 03 May 2023 14:06

Tgt Ion:228 Resp: 338209
Ion Ratio Lower Upper
228 100
226 29.9 24.7 37.1
229 23.6 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RBR-251671DL

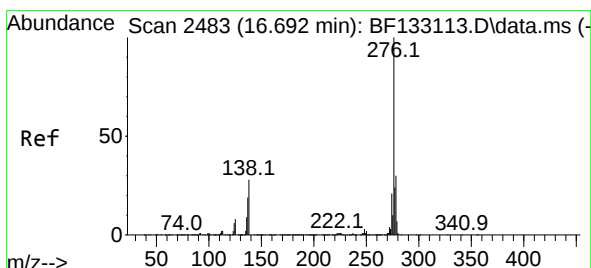
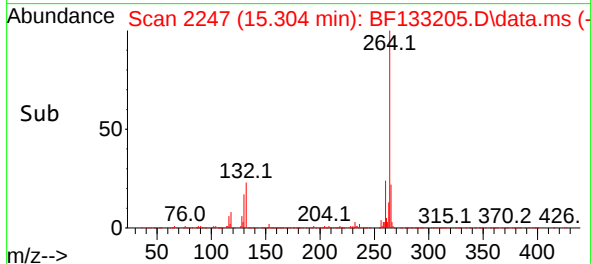
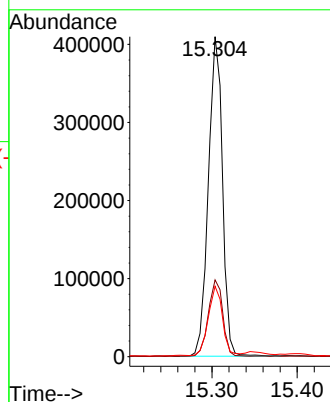
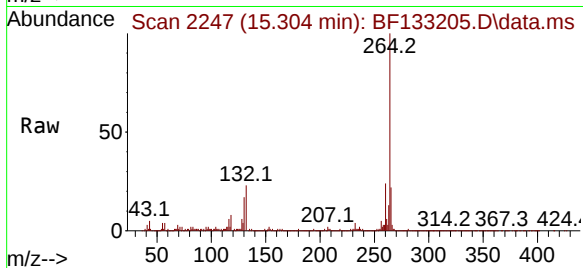
Tgt Ion:264 Resp: 469390

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.637 ng

RT: 16.674 min Scan# 2480

Delta R.T. -0.018 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

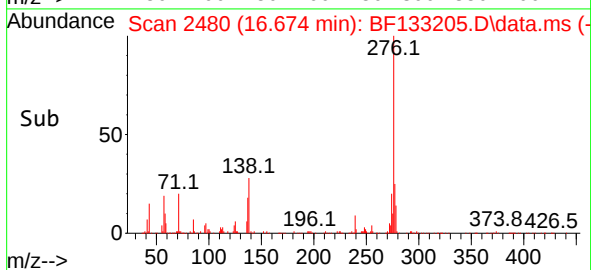
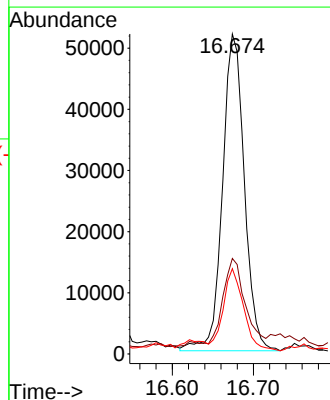
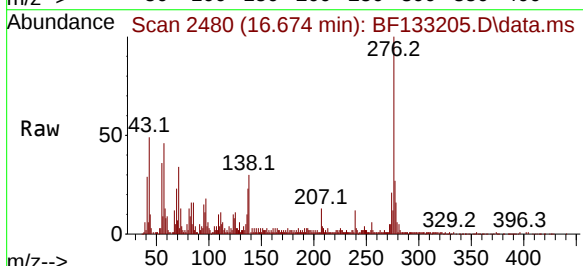
Tgt Ion:276 Resp: 97107

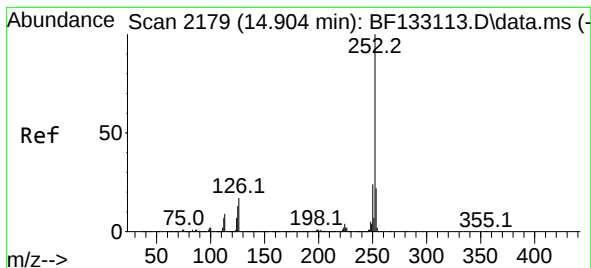
Ion Ratio Lower Upper

276 100

138 28.7 25.5 38.3

277 24.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 17.910 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RBR-251671DL

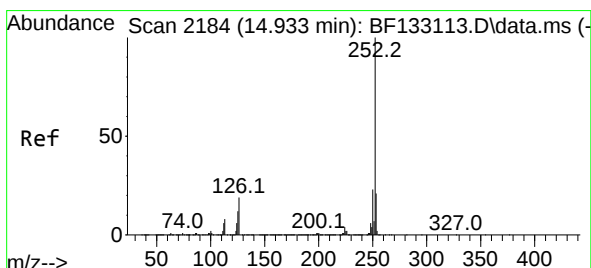
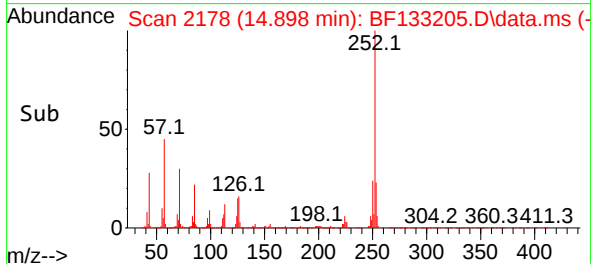
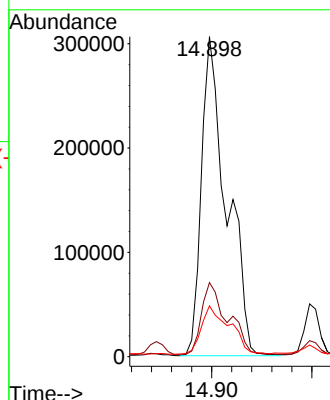
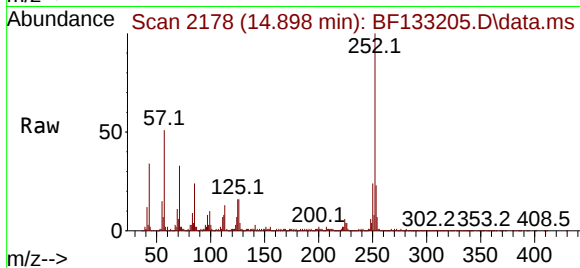
Tgt Ion:252 Resp: 534822

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 15.9 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 18.067 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.036 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

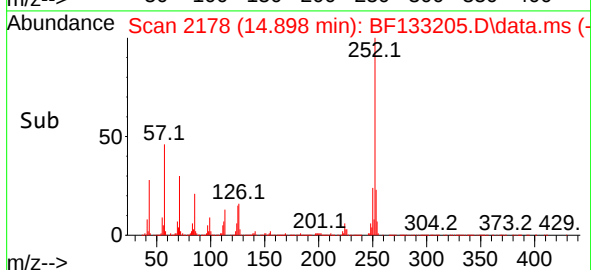
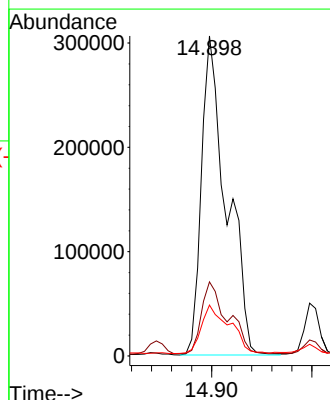
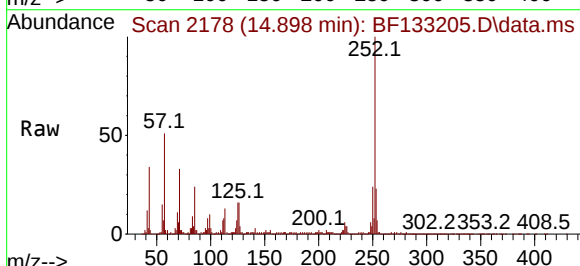
Tgt Ion:252 Resp: 534822

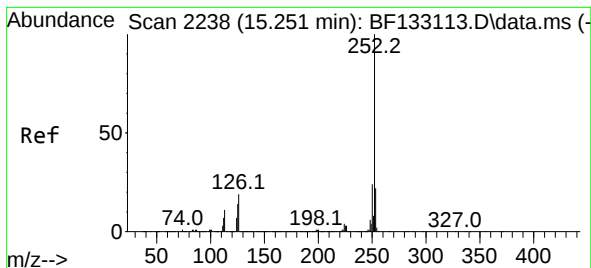
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 15.9 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 7.747 ng

RT: 15.245 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Instrument :

BNA_F

ClientSampleId :

RBR-251671DL

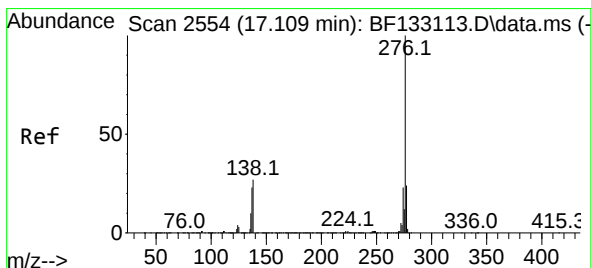
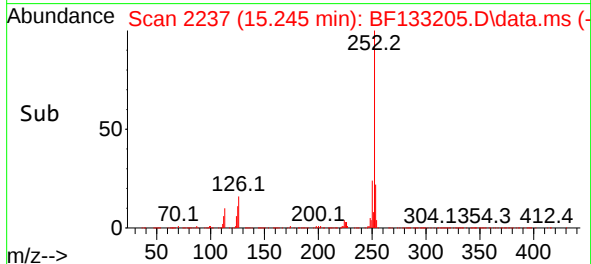
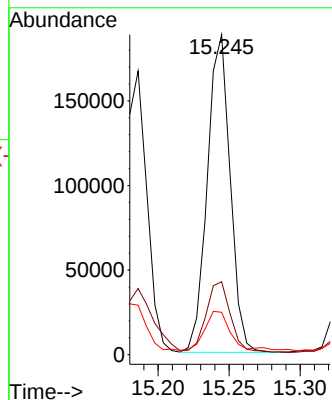
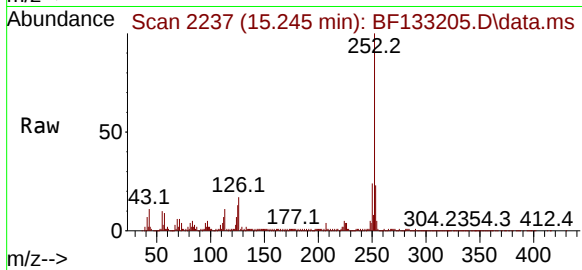
Tgt Ion:252 Resp: 210581

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 13.2 10.5 15.7



#92

Benzo(g,h,i)perylene

Concen: 3.668 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.012 min

Lab File: BF133205.D

Acq: 03 May 2023 14:06

Tgt Ion:276 Resp: 80652

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.0

138 30.5 22.7 34.1

