

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050823\
 Data File : BF133307.D
 Acq On : 08 May 2023 21:49
 Operator : CG\JU
 Sample : 02655-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1

Quant Time: May 09 05:09:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

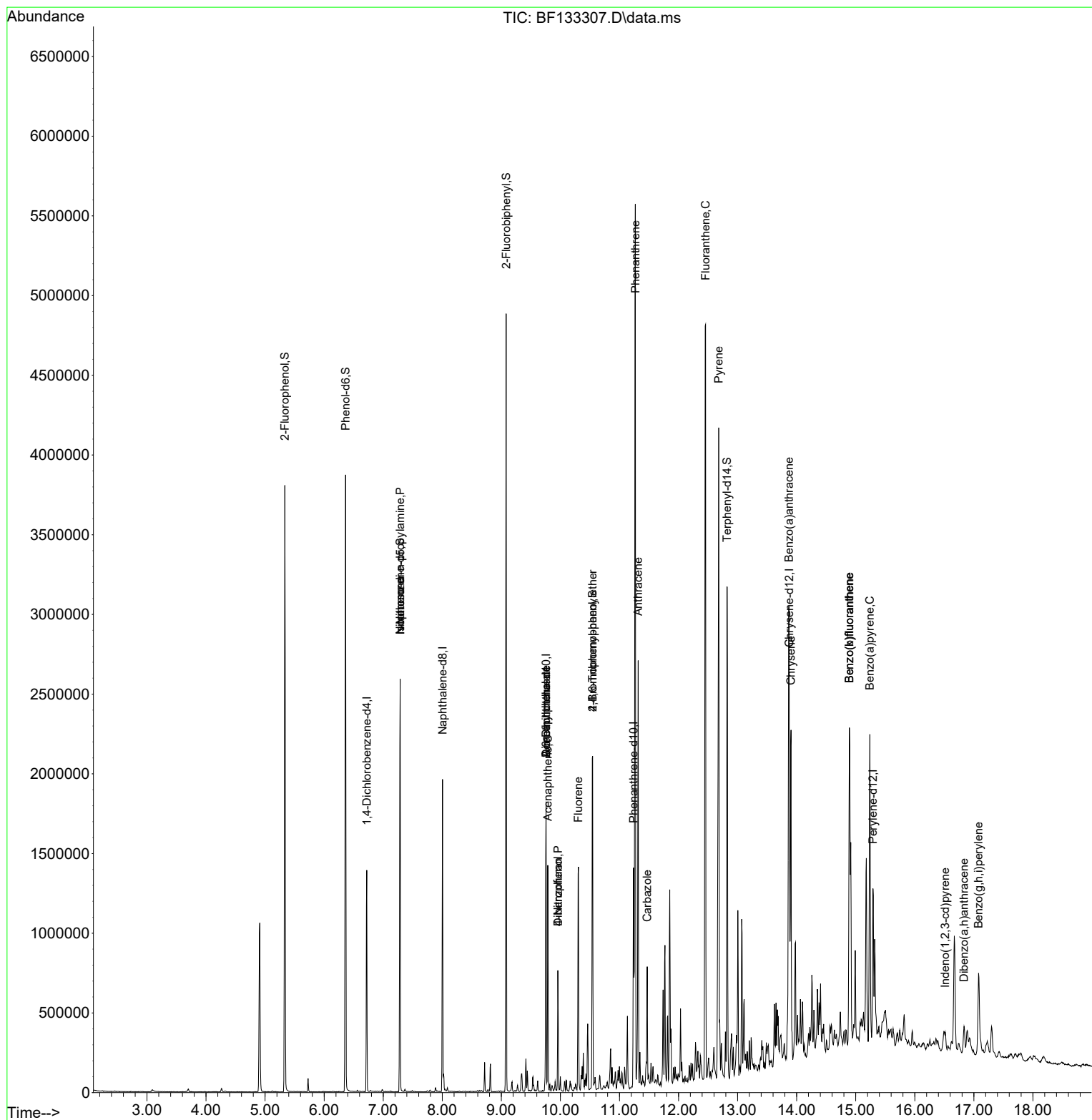
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	188245	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	729865	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	347457	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	507337	20.000	ng	0.00
76) Chrysene-d12	13.875	240	335660	20.000	ng	0.00
86) Perylene-d12	15.292	264	402528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1081371	86.777	ng	0.00
7) Phenol-d6	6.363	99	1251342	80.902	ng	0.00
23) Nitrobenzene-d5	7.287	82	753248	55.706	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	222979	63.811	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1299785	62.584	ng	0.00
79) Terphenyl-d14	12.822	244	1015125	52.159	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.263	77	113	Below Cal	Qvalue	# 44
19) n-Nitroso-di-n-propyla...	7.287	70	99246	10.307	ng	# 78
25) Isophorone	7.287	82	753240	29.339	ng	# 63
50) Dimethylphthalate	9.757	163	71095	2.934	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	47889	8.782	ng	# 25
52) Acenaphthene	9.787	154	264899	12.275	ng	99
55) Dibenzofuran	9.957	168	232287	7.891	ng	99
56) 4-Nitrophenol	9.957	139	89114	17.746	ng	# 17
58) Fluorene	10.304	166	393617	18.250	ng	98
67) 4-Bromophenyl-phenylether	10.545	248	14867	2.702	ng	# 1
71) Phenanthrene	11.269	178	2151182	78.891	ng	99
72) Anthracene	11.316	178	919226	32.941	ng	100
73) Carbazole	11.469	167	252681	10.169	ng	99
75) Fluoranthene	12.457	202	2137842	78.119	ng	97
78) Pyrene	12.681	202	1713639	59.556	ng	99
81) Benzo(a)anthracene	13.869	228	1011029	43.801	ng	99
83) Chrysene	13.904	228	809577	35.082	ng	97
87) Indeno(1,2,3-cd)pyrene	16.516	276	81918	3.578	ng	97
88) Benzo(b)fluoranthene	14.892	252	1521476	59.413	ng	# 96
89) Benzo(k)fluoranthene	14.892	252	1521476	59.935	ng	# 96
90) Benzo(a)pyrene	15.239	252	852699	36.583	ng	98
91) Dibenzo(a,h)anthracene	16.833	278	101885	5.335	ng	93
92) Benzo(g,h,i)perylene	17.080	276	380869	20.201	ng	97

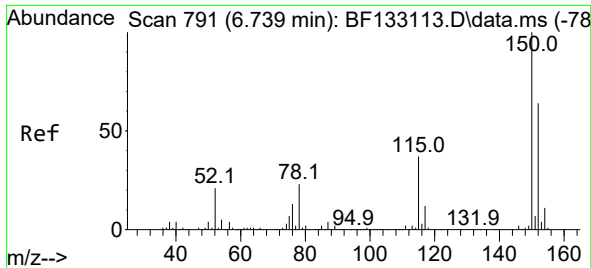
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050823\
Data File : BF133307.D
Acq On : 08 May 2023 21:49
Operator : CG\JU
Sample : 02655-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-1

Quant Time: May 09 05:09:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 04:59:36 2023
Response via : Initial Calibration

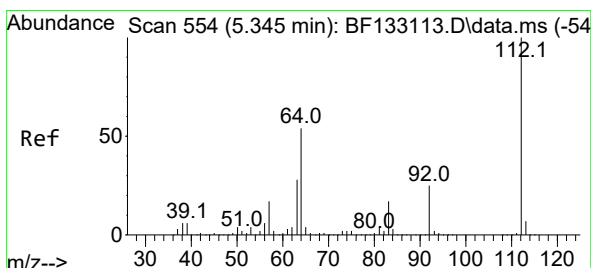
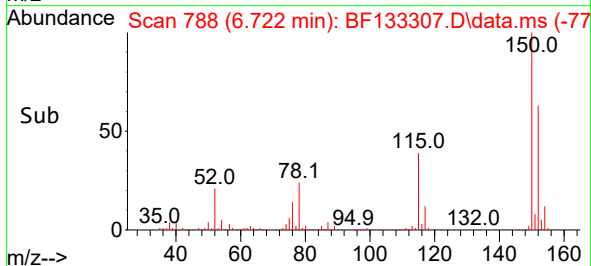
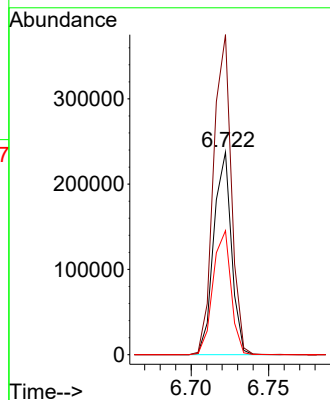
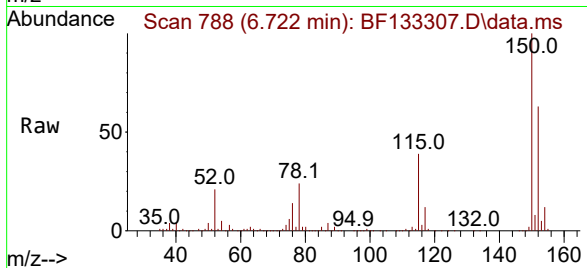




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. 0.000 min
 Lab File: BF133307.D
 Acq: 08 May 2023 21:49

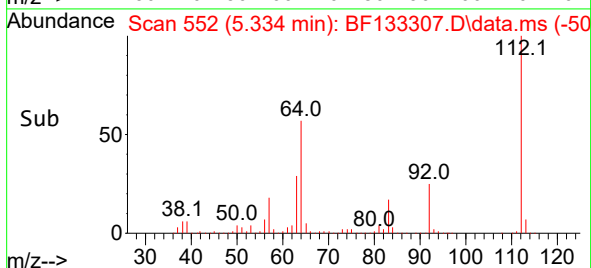
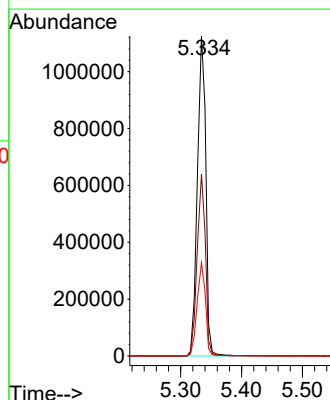
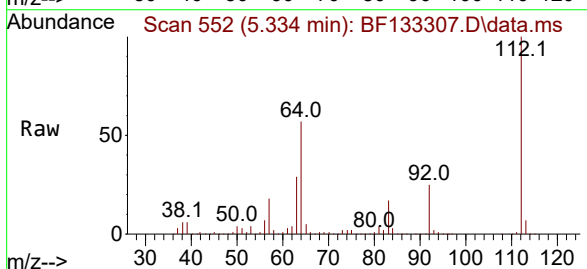
Instrument :
 BNA_F
 ClientSampleId :
 SS-1

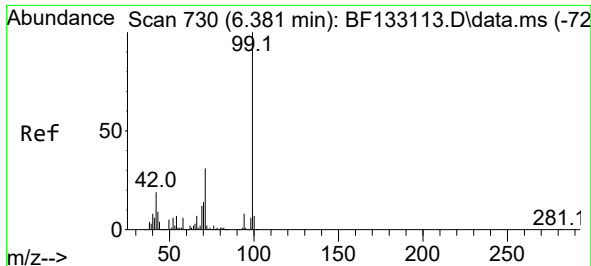
Tgt Ion:152 Resp: 188245
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.8 187.2
 115 61.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 86.777 ng
 RT: 5.334 min Scan# 552
 Delta R.T. 0.006 min
 Lab File: BF133307.D
 Acq: 08 May 2023 21:49

Tgt Ion:112 Resp: 1081371
 Ion Ratio Lower Upper
 112 100
 64 56.8 46.8 70.2
 63 29.1 23.8 35.8

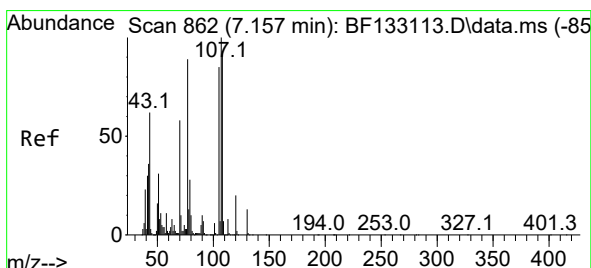
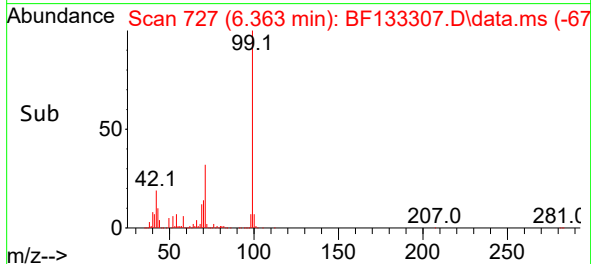
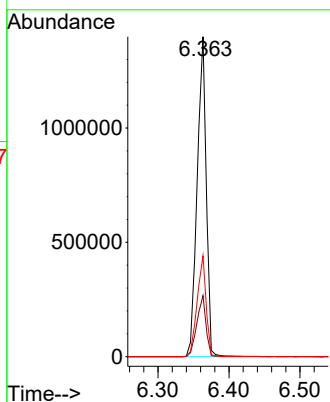
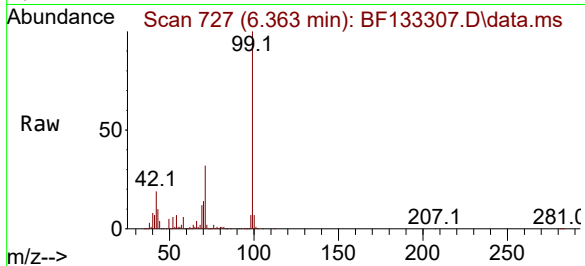




#7
Phenol-d6
Concen: 80.902 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

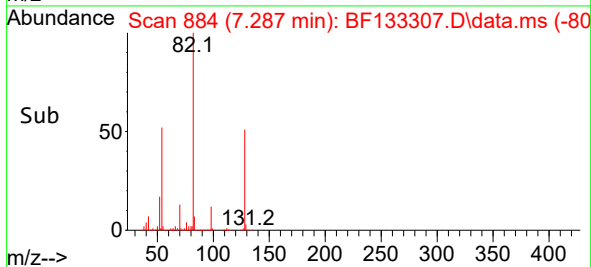
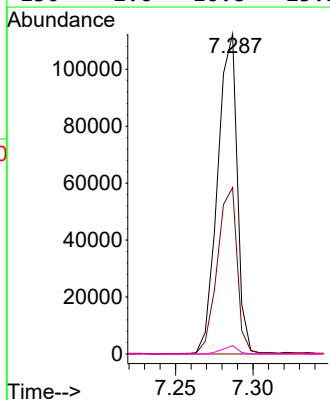
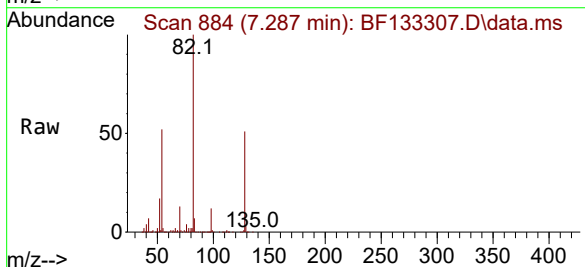
Instrument :
BNA_F
ClientSampleId :
SS-1

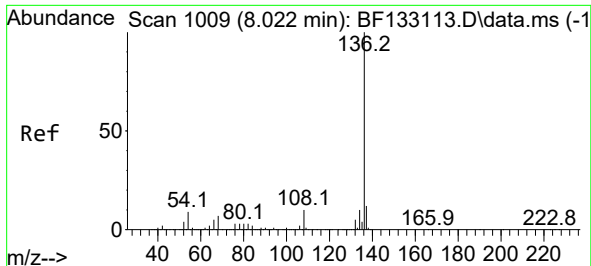
Tgt Ion: 99 Resp: 1251342
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 31.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.307 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.142 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion: 70 Resp: 99246
Ion Ratio Lower Upper
70 100
42 52.0 51.8 77.6
101 0.0 8.0 12.0#
130 2.6 16.8 25.2#

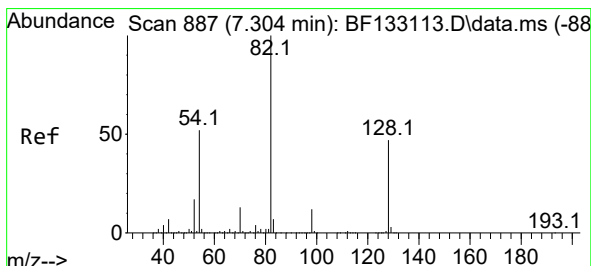
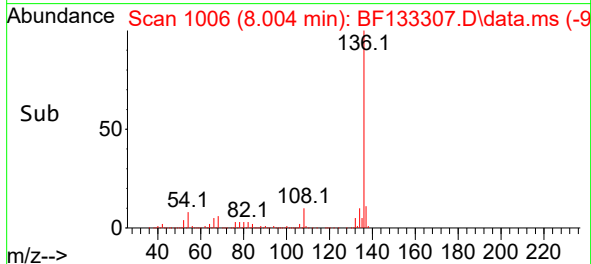
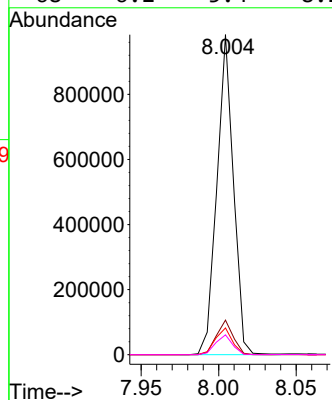
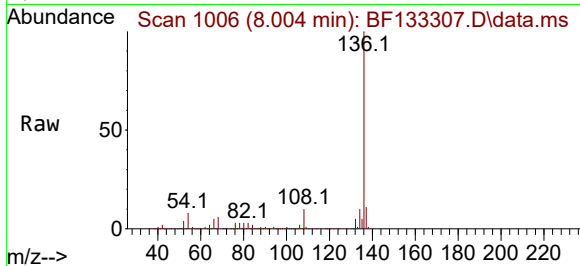




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

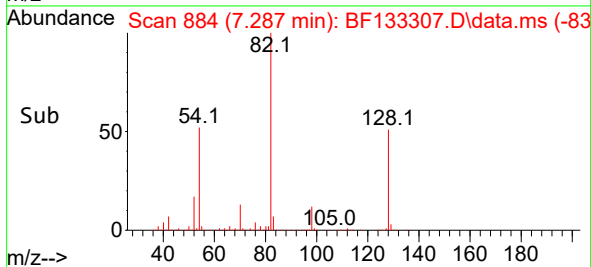
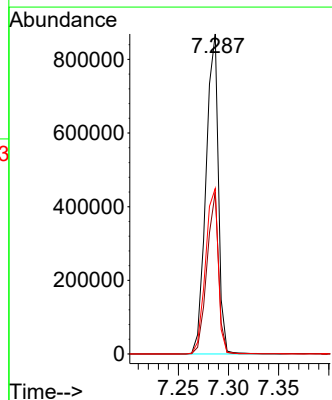
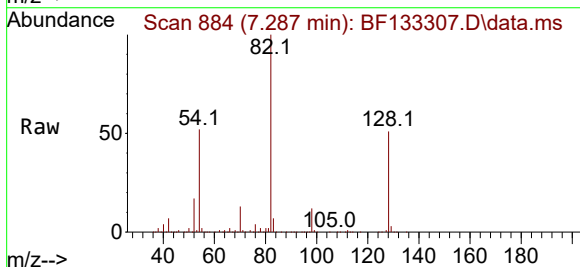
Instrument :
BNA_F
ClientSampleId :
SS-1

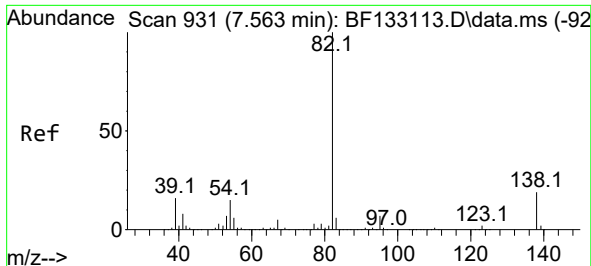
Tgt Ion:	136	Resp:	729865
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.3	7.0	10.4
68	6.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 55.706 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion:	82	Resp:	753248
Ion	Ratio	Lower	Upper
82	100		
128	50.6	37.7	56.5
54	51.7	43.0	64.4

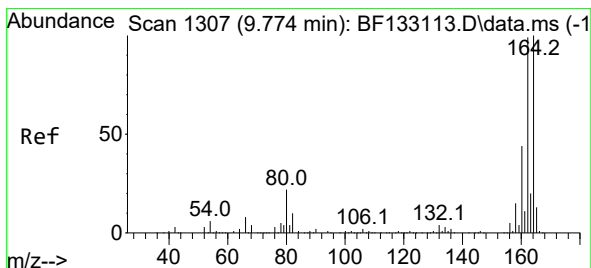
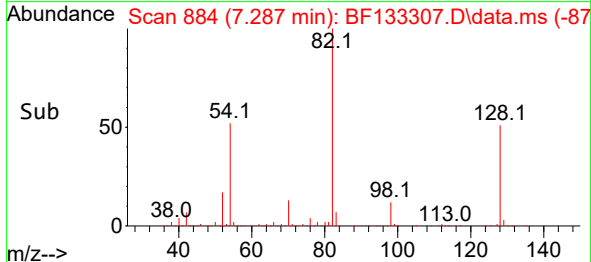
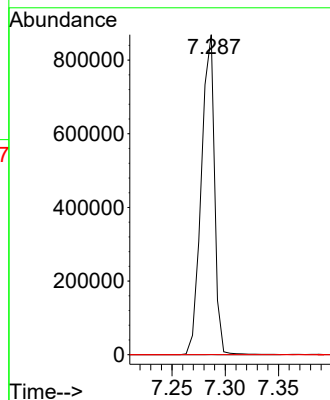
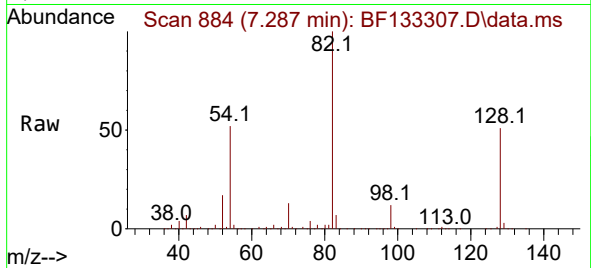




#25
Isophorone
Concen: 29.339 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

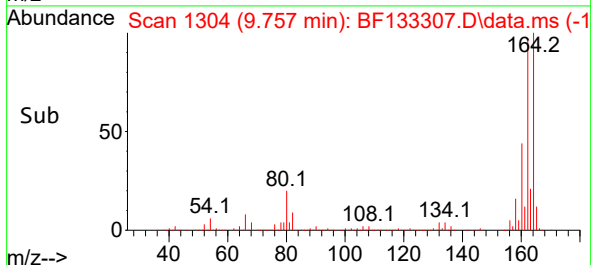
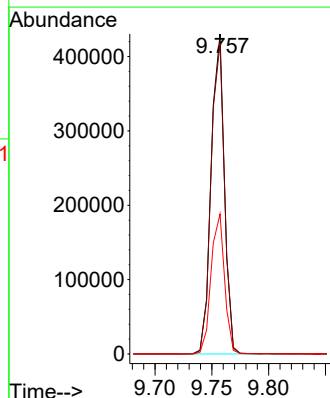
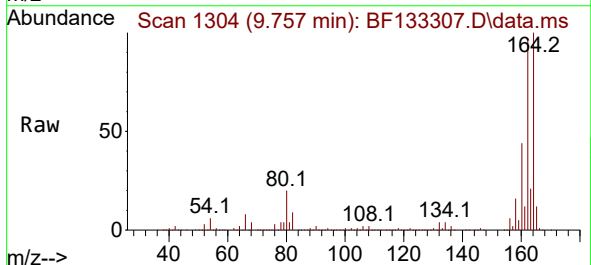
Instrument :
BNA_F
ClientSampleId :
SS-1

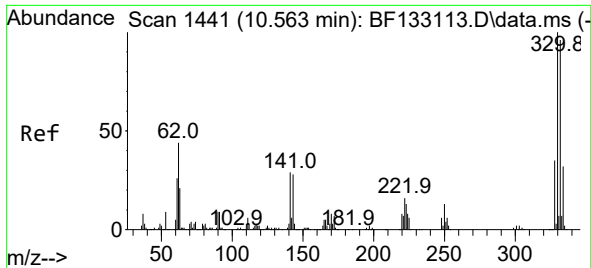
Tgt Ion: 82 Resp: 753240
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion:164 Resp: 347457
Ion Ratio Lower Upper
164 100
162 97.2 78.7 118.1
160 43.7 35.8 53.6

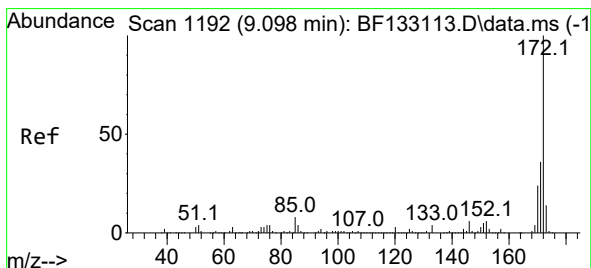
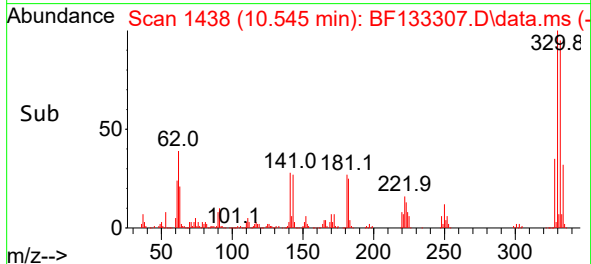
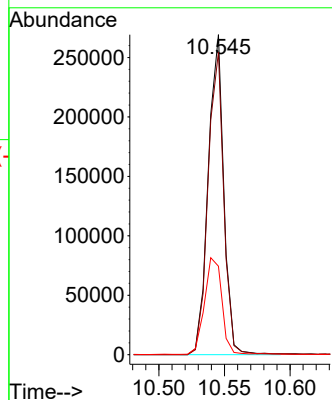
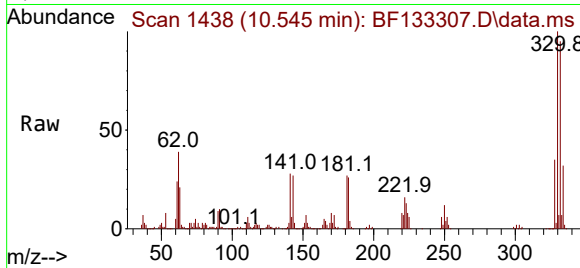




#42
2,4,6-Tribromophenol
Concen: 63.811 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

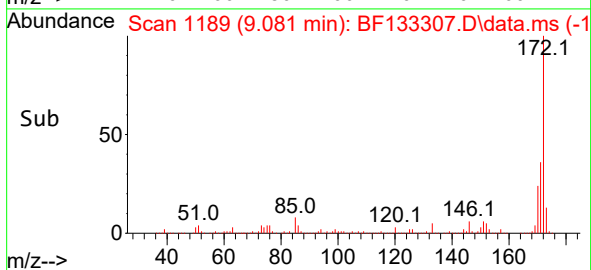
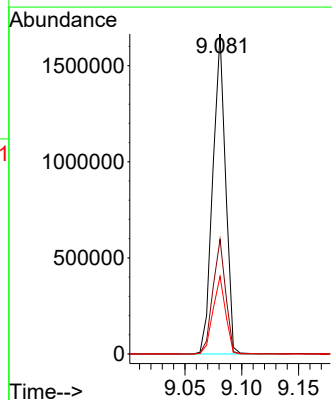
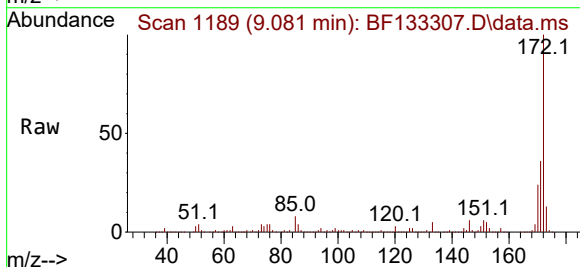
Instrument :
BNA_F
ClientSampleId :
SS-1

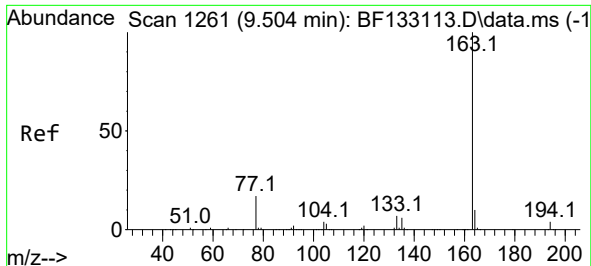
Tgt Ion:330 Resp: 222979
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 34.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 62.584 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion:172 Resp: 1299785
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.2 19.4 29.2

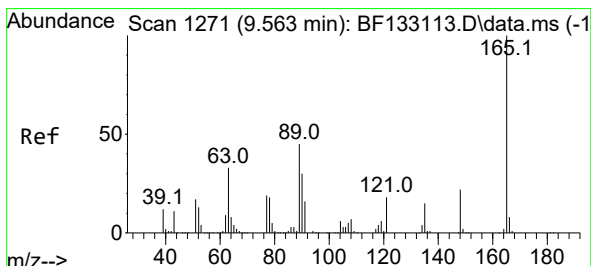
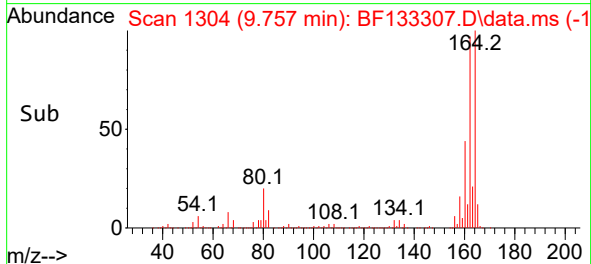
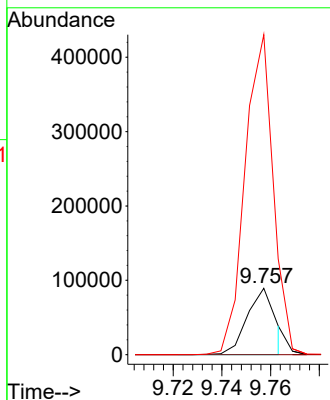
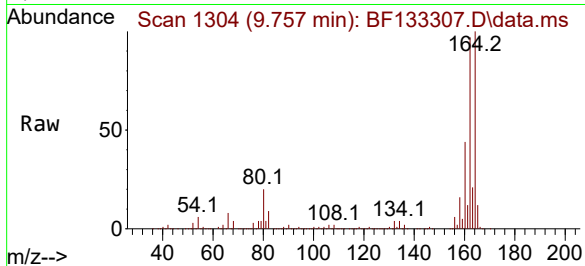




#50
Dimethylphthalate
Concen: 2.934 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.265 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

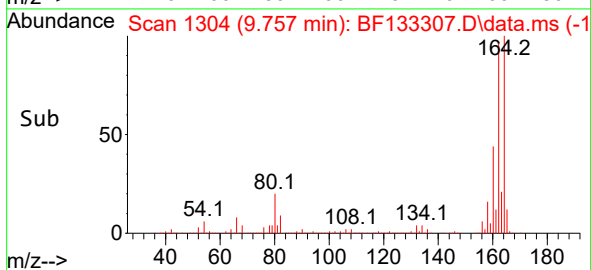
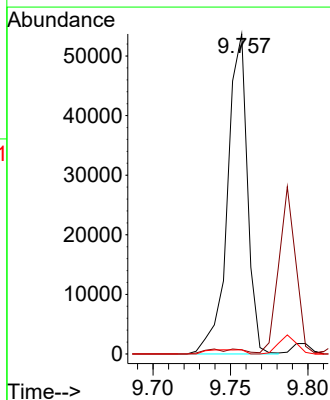
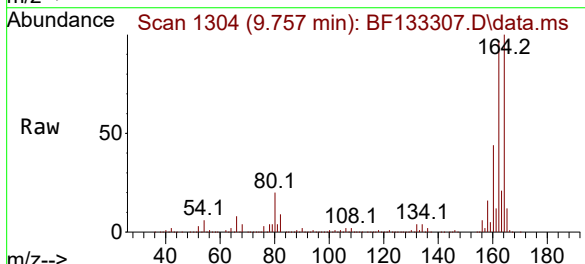
Instrument :
BNA_F
ClientSampleId :
SS-1

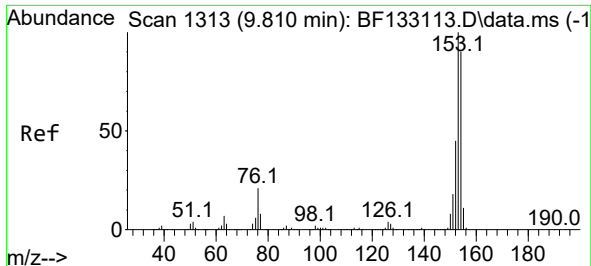
Tgt Ion:163 Resp: 71095
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 482.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.782 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion:165 Resp: 47889
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 1.3 44.0 66.0#

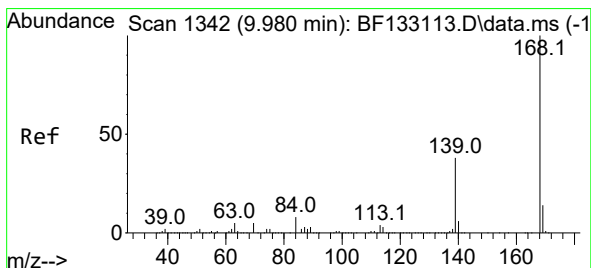
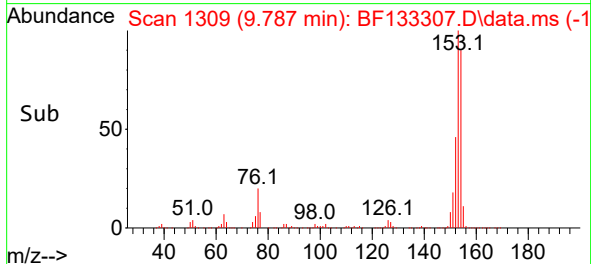
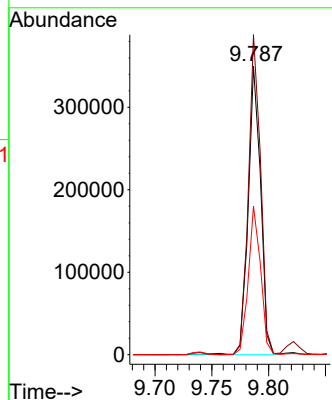
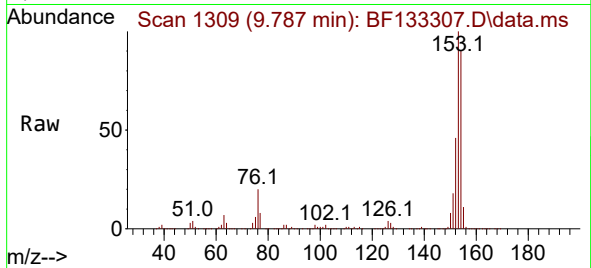




#52
Acenaphthene
Concen: 12.275 ng
RT: 9.787 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

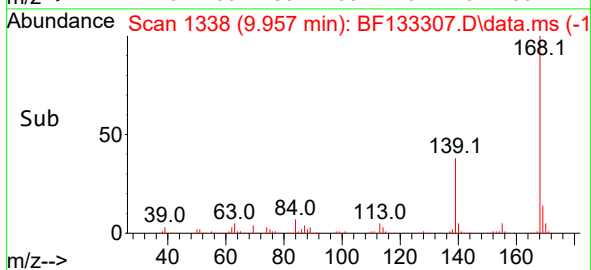
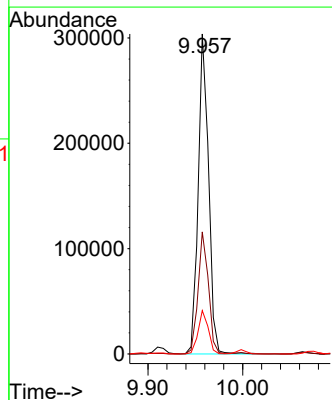
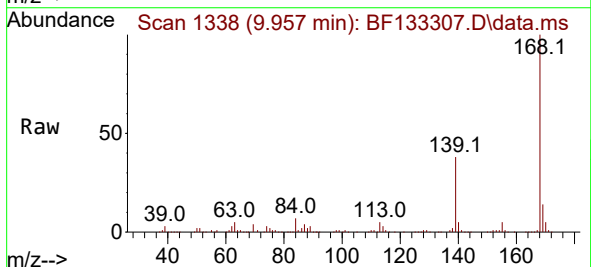
Instrument :
BNA_F
ClientSampleId :
SS-1

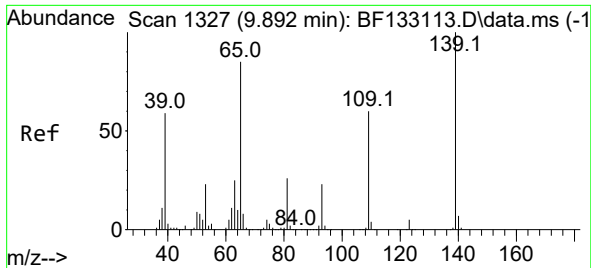
Tgt Ion:154 Resp: 264899
Ion Ratio Lower Upper
154 100
153 110.9 89.0 133.6
152 51.5 40.4 60.6



#55
Dibenzofuran
Concen: 7.891 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.011 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion:168 Resp: 232287
Ion Ratio Lower Upper
168 100
139 38.1 29.8 44.8
169 13.5 10.8 16.2

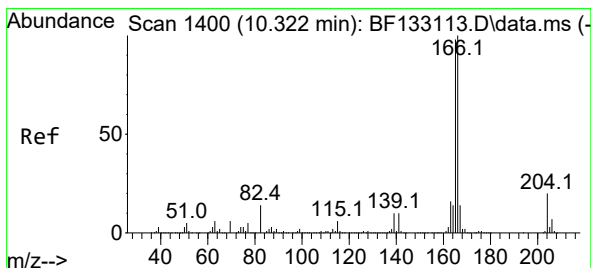
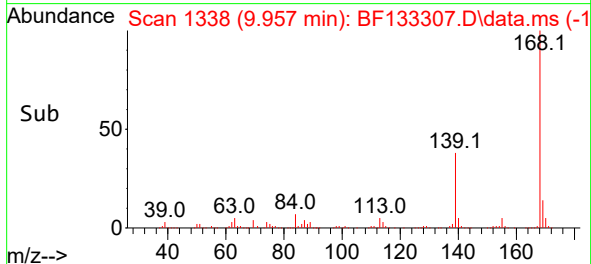
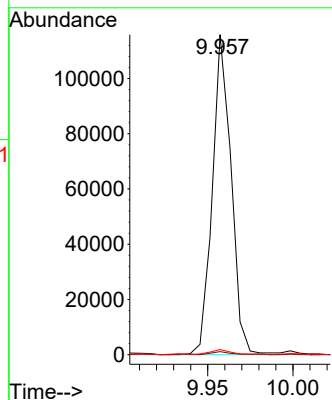
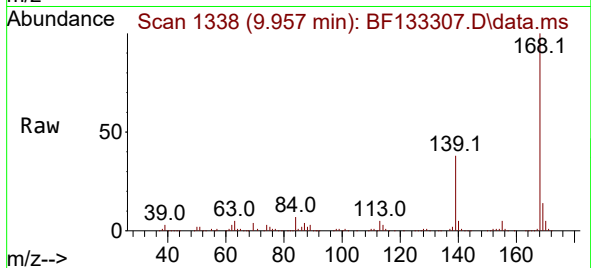




#56
4-Nitrophenol
Concen: 17.746 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.071 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

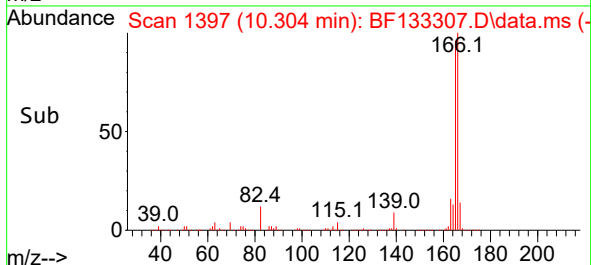
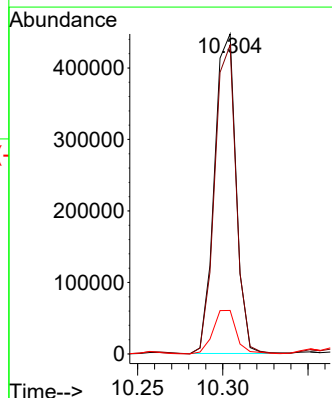
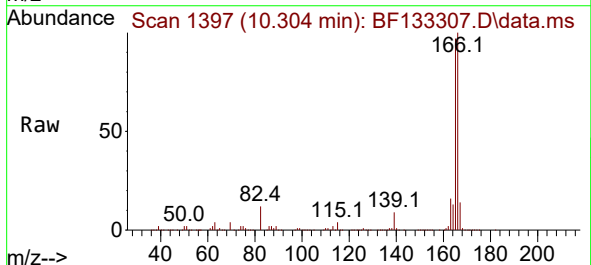
Instrument :
BNA_F
ClientSampleId :
SS-1

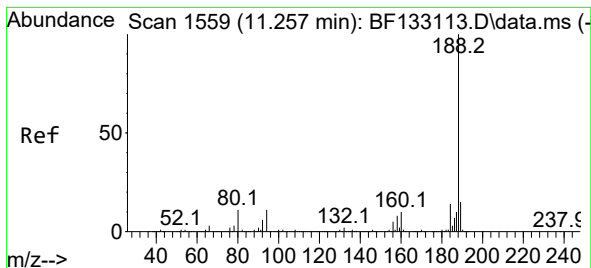
Tgt Ion:139 Resp: 89114
Ion Ratio Lower Upper
139 100
109 1.0 39.4 79.4#
65 1.6 57.5 97.5#



#58
Fluorene
Concen: 18.250 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion:166 Resp: 393617
Ion Ratio Lower Upper
166 100
165 96.5 78.6 117.8
167 13.6 11.0 16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SS-1

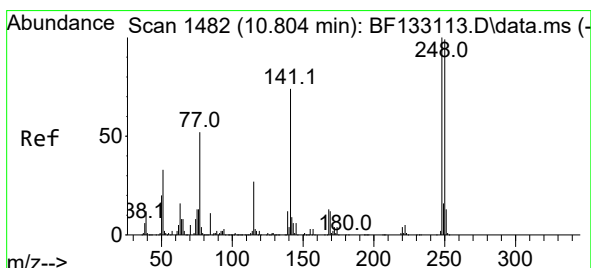
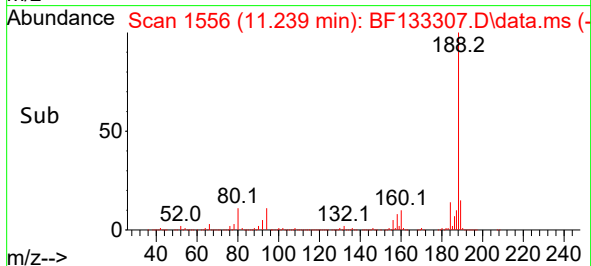
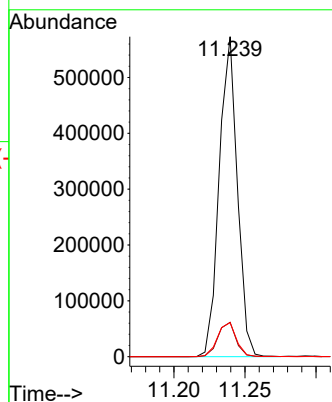
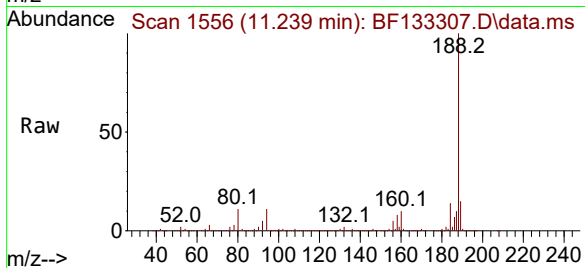
Tgt Ion:188 Resp: 507337

Ion Ratio Lower Upper

188 100

94 10.7 9.7 14.5

80 10.7 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.702 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.247 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

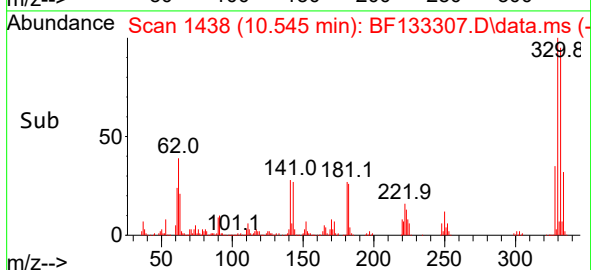
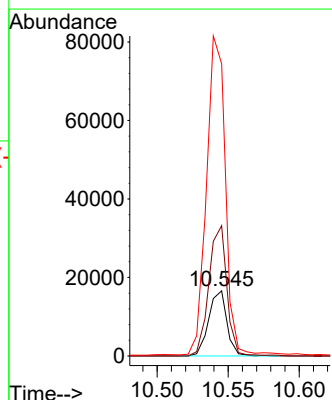
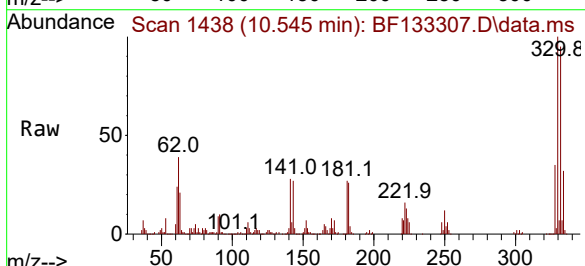
Tgt Ion:248 Resp: 14867

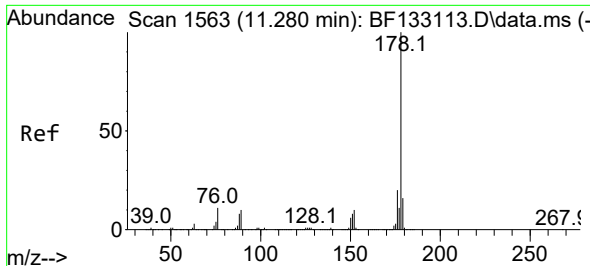
Ion Ratio Lower Upper

248 100

250 200.3 78.7 118.1#

141 449.1 56.3 84.5#

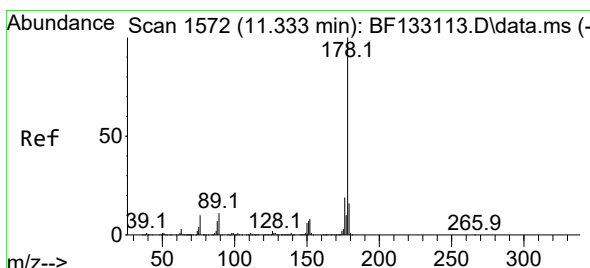
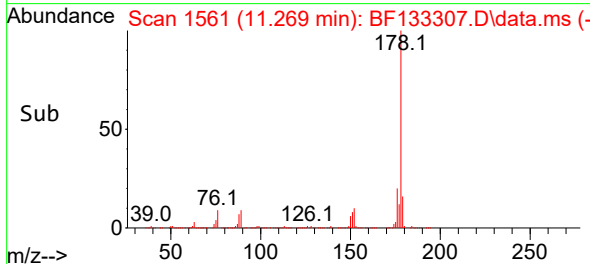
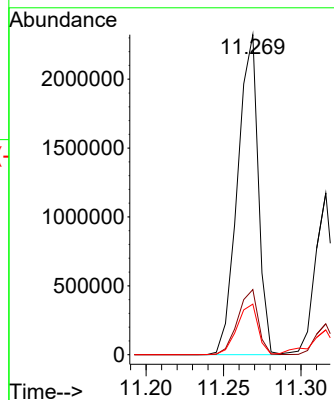
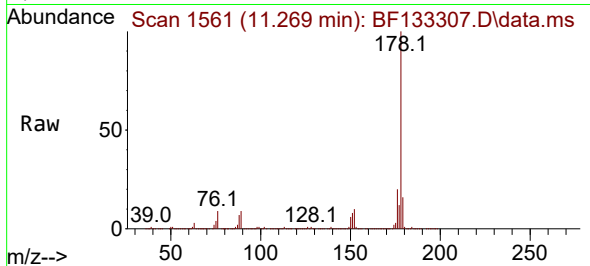




#71
Phenanthrene
Concen: 78.891 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

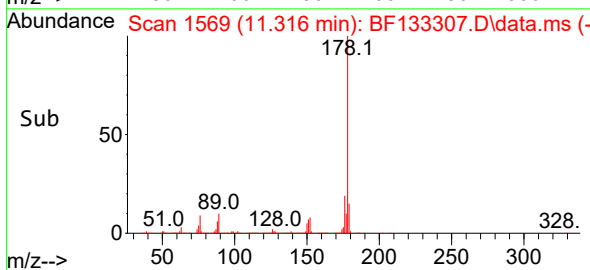
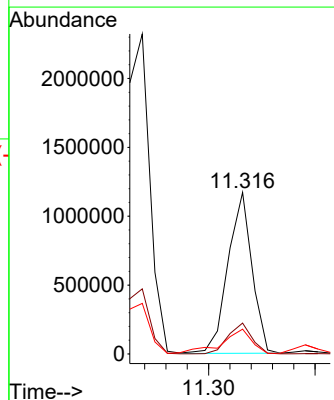
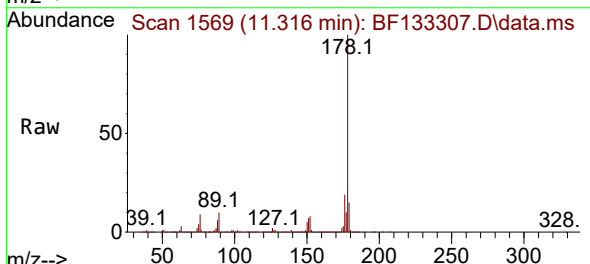
Instrument :
BNA_F
ClientSampleId :
SS-1

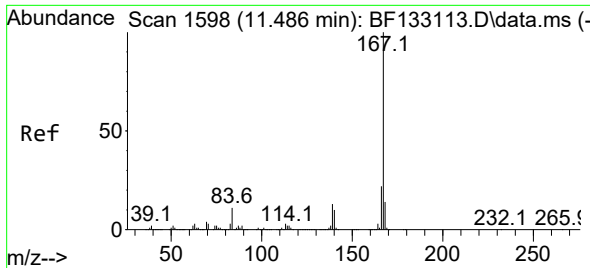
Tgt Ion:178 Resp: 2151182
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 15.8 12.5 18.7



#72
Anthracene
Concen: 32.941 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.005 min
Lab File: BF133307.D
Acq: 08 May 2023 21:49

Tgt Ion:178 Resp: 919226
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.3 12.4 18.6

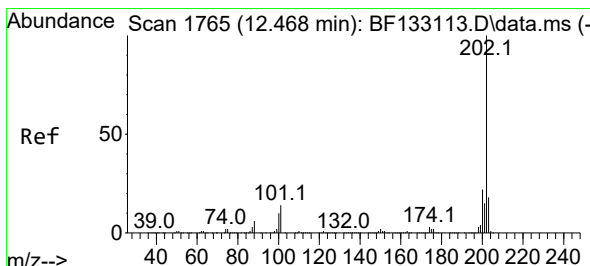
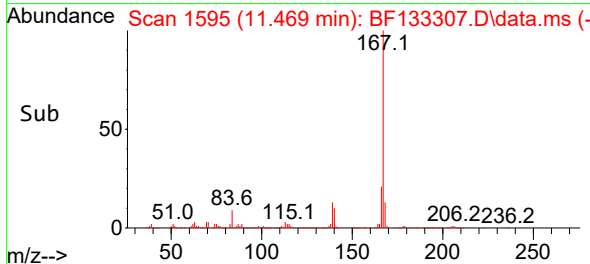
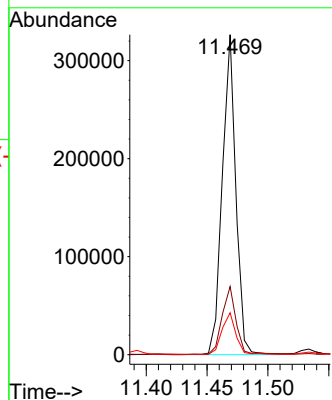
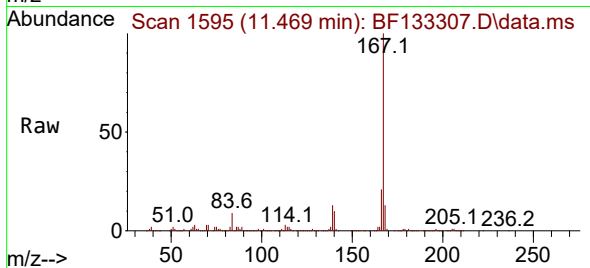




#73
 Carbazole
 Concen: 10.169 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.005 min
 Lab File: BF133307.D
 Acq: 08 May 2023 21:49

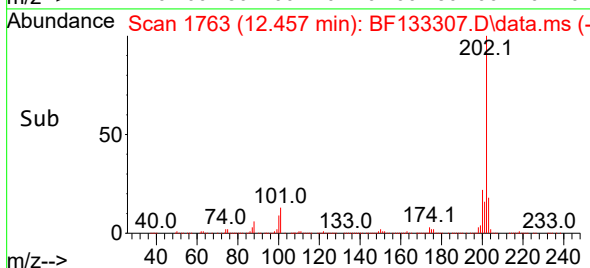
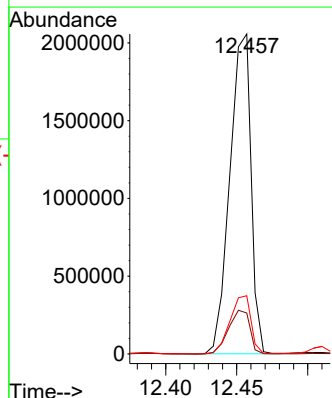
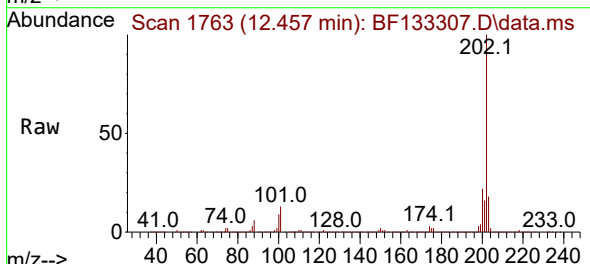
Instrument :
 BNA_F
 ClientSampleId :
 SS-1

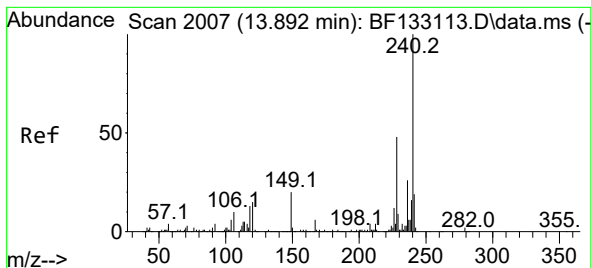
Tgt Ion:167	Resp: 252681
Ion Ratio	Lower Upper
167 100	
166 21.3	17.4 26.0
139 13.1	10.6 16.0



#75
 Fluoranthene
 Concen: 78.119 ng
 RT: 12.457 min Scan# 1763
 Delta R.T. 0.000 min
 Lab File: BF133307.D
 Acq: 08 May 2023 21:49

Tgt	Ion:202	Resp:	2137842
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	35.3
203	18.2	0.0	38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.875 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SS-1

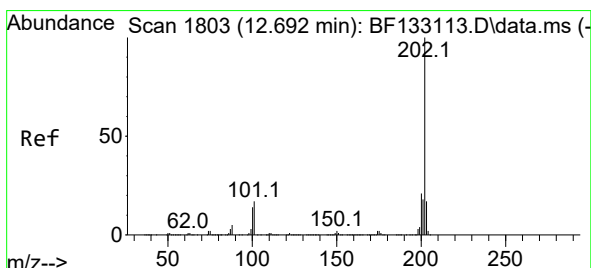
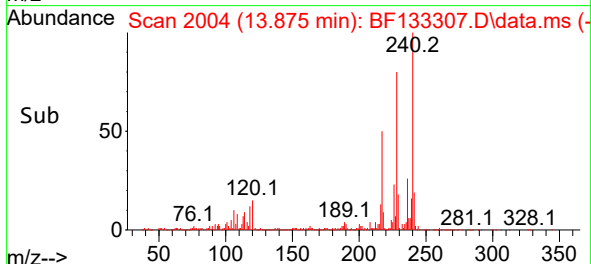
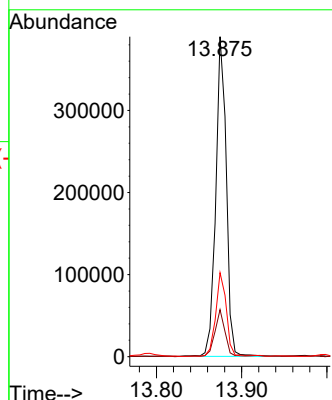
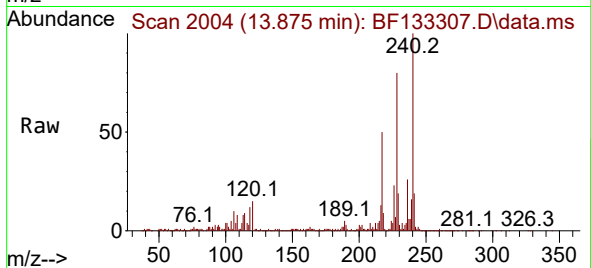
Tgt Ion:240 Resp: 335660

Ion Ratio Lower Upper

240 100

120 14.7 10.5 15.7

236 26.2 21.5 32.3



#78

Pyrene

Concen: 59.556 ng

RT: 12.681 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

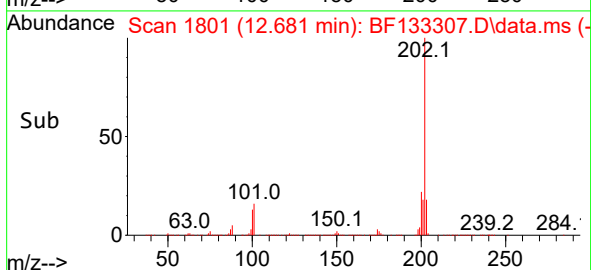
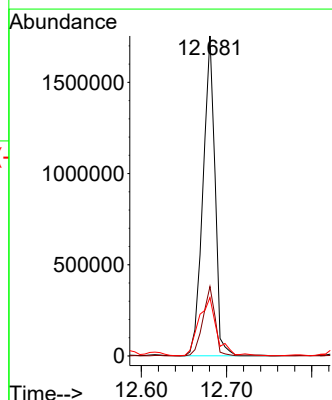
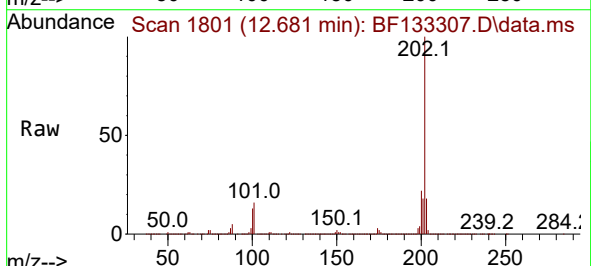
Tgt Ion:202 Resp: 1713639

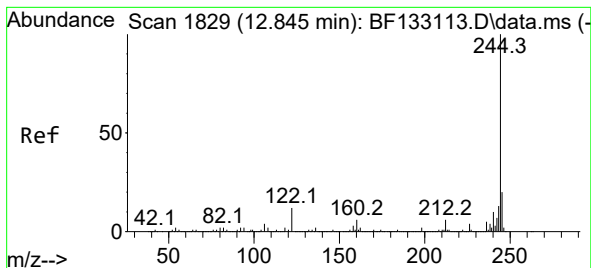
Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 52.159 ng

RT: 12.822 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SS-1

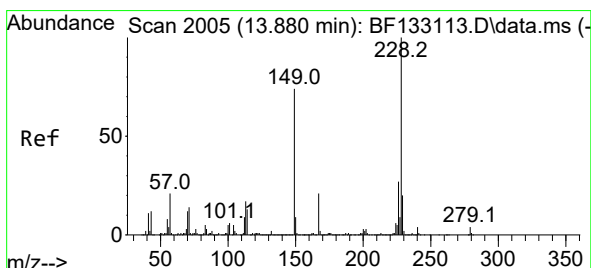
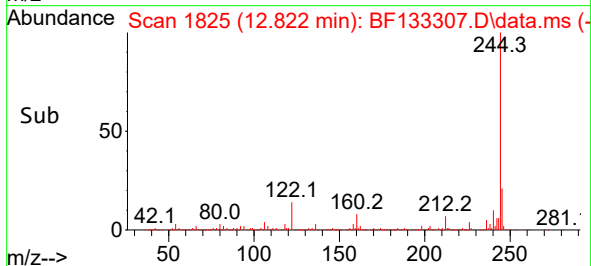
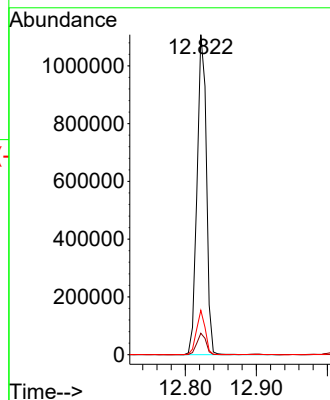
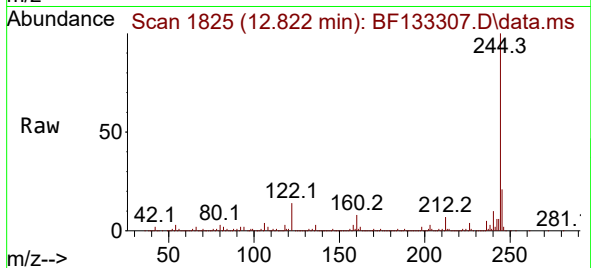
Tgt Ion:244 Resp: 1015125

Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 13.8 8.6 13.0#



#81

Benzo(a)anthracene

Concen: 43.801 ng

RT: 13.869 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

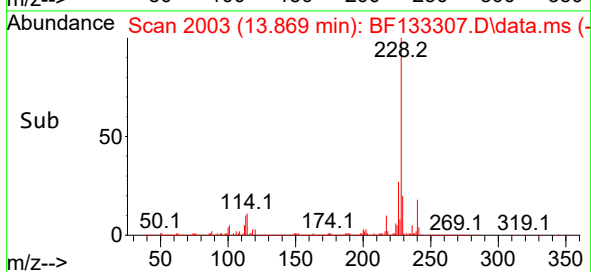
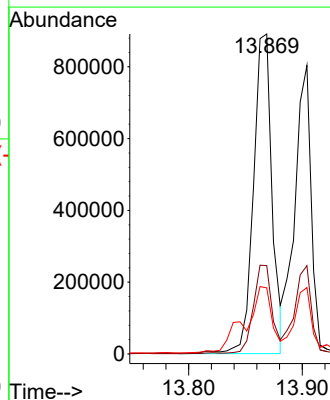
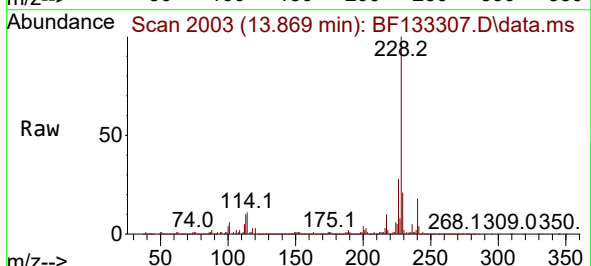
Tgt Ion:228 Resp: 1011029

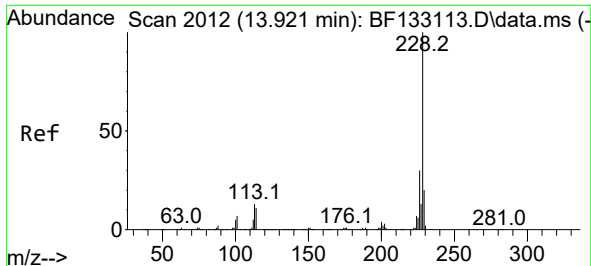
Ion Ratio Lower Upper

228 100

226 27.6 22.2 33.4

229 20.6 16.0 24.0





#83

Chrysene

Concen: 35.082 ng

RT: 13.904 min Scan# 20

Delta R.T. -0.005 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SS-1

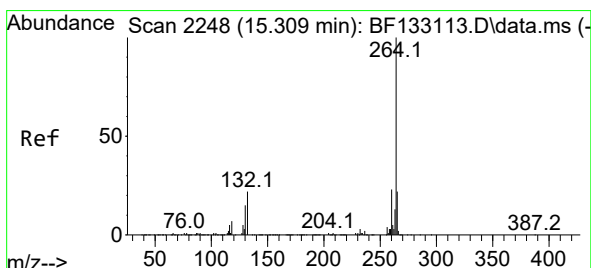
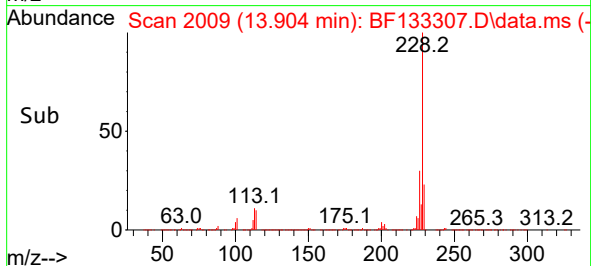
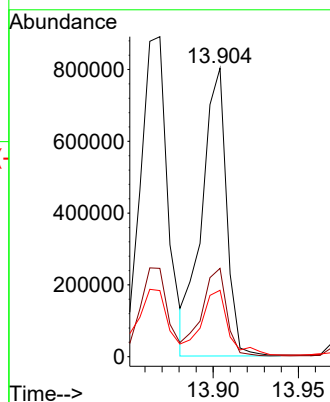
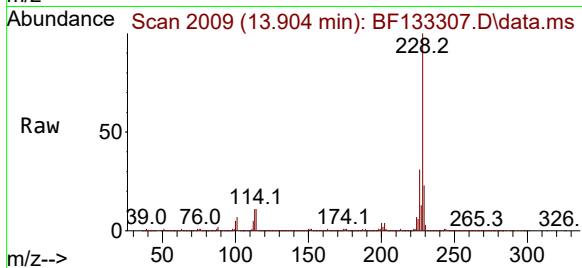
Tgt Ion:228 Resp: 809577

Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

229 23.0 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. 0.000 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

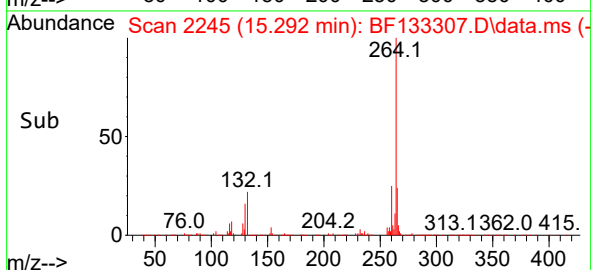
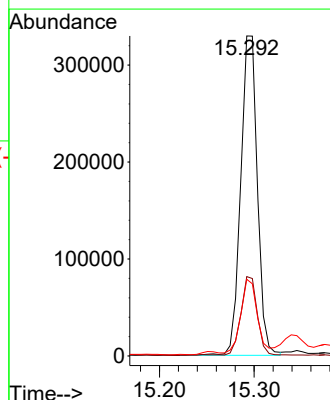
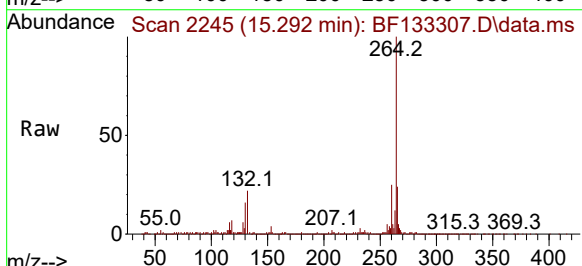
Tgt Ion:264 Resp: 402528

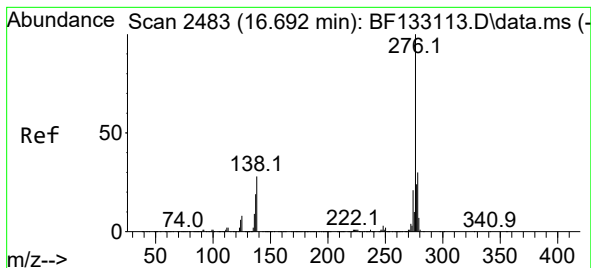
Ion Ratio Lower Upper

264 100

260 24.8 18.8 28.2

265 24.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.578 ng

RT: 16.516 min Scan# 2483

Delta R.T. -0.158 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SS-1

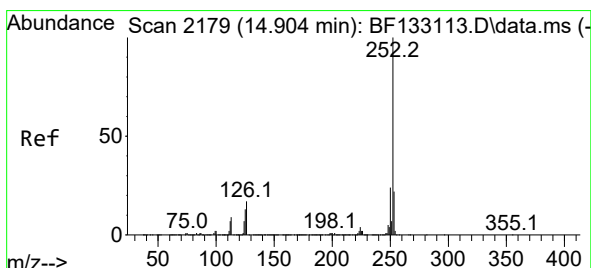
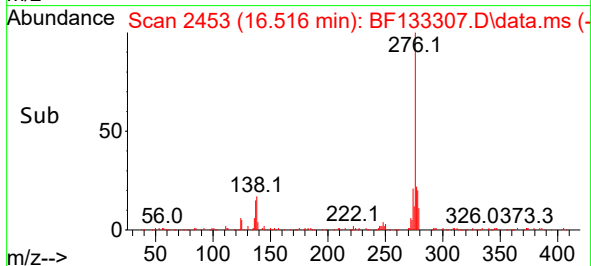
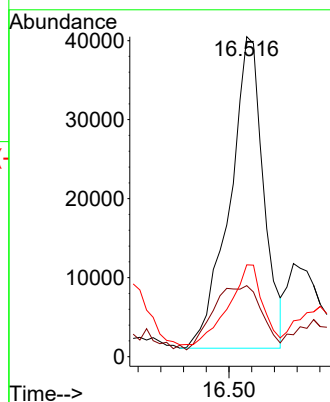
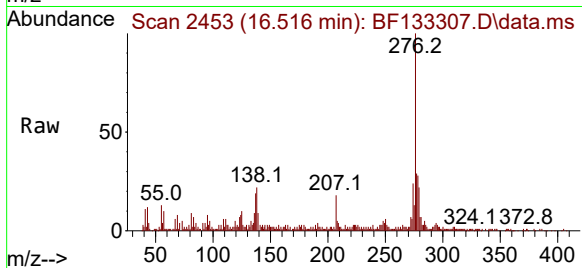
Tgt Ion:276 Resp: 81918

Ion Ratio Lower Upper

276 100

138 29.5 25.5 38.3

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 59.413 ng

RT: 14.892 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

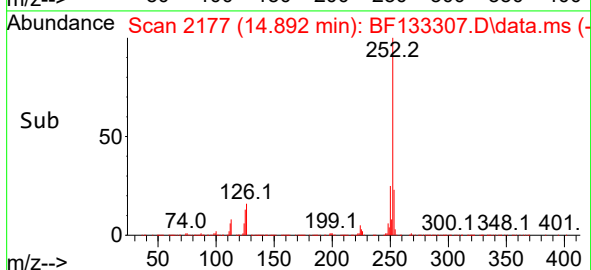
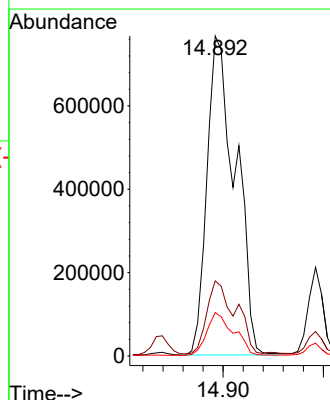
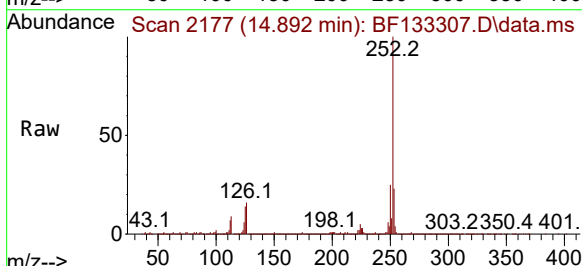
Tgt Ion:252 Resp: 1521476

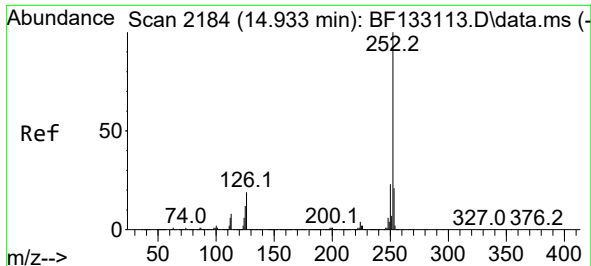
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 13.6 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 59.935 ng

RT: 14.892 min Scan# 2184

Delta R.T. -0.029 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SS-1

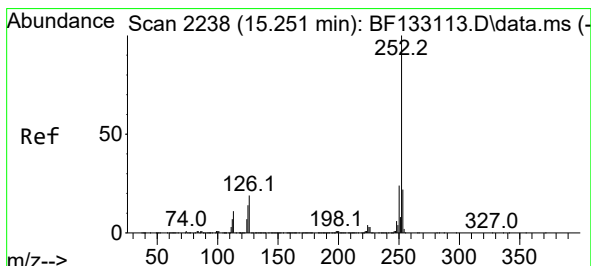
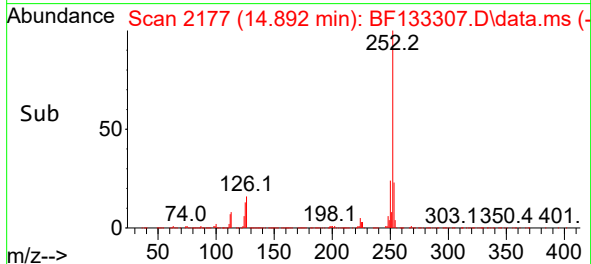
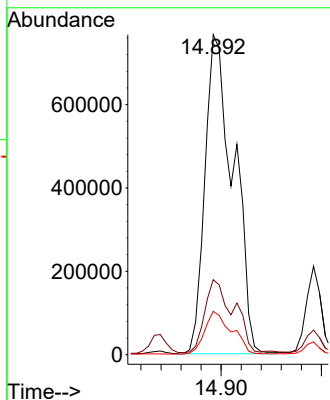
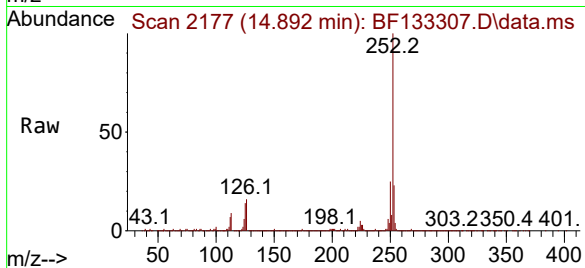
Tgt Ion:252 Resp: 1521476

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 13.6 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 36.583 ng

RT: 15.239 min Scan# 2236

Delta R.T. 0.000 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

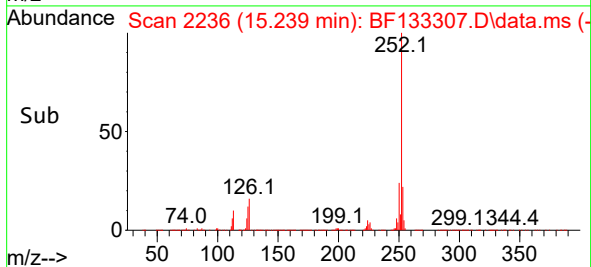
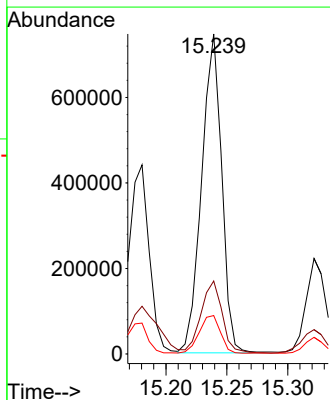
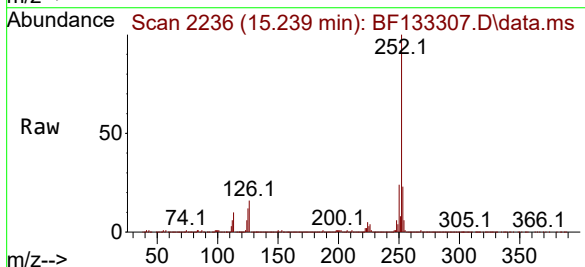
Tgt Ion:252 Resp: 852699

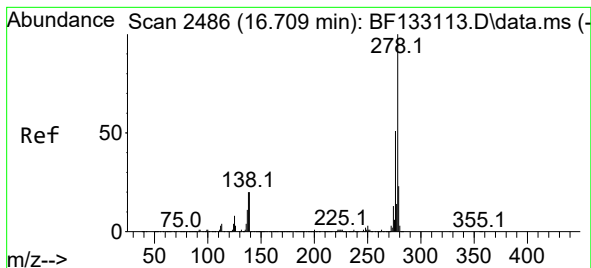
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.0 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 5.335 ng

RT: 16.833 min Scan# 21

Delta R.T. 0.142 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Instrument :

BNA_F

ClientSampleId :

SS-1

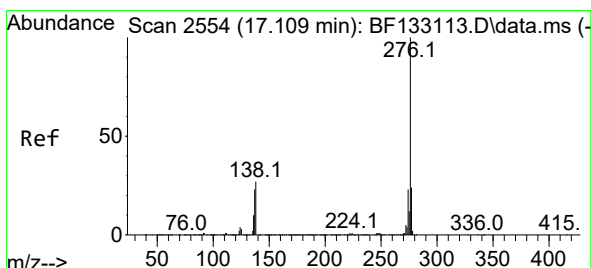
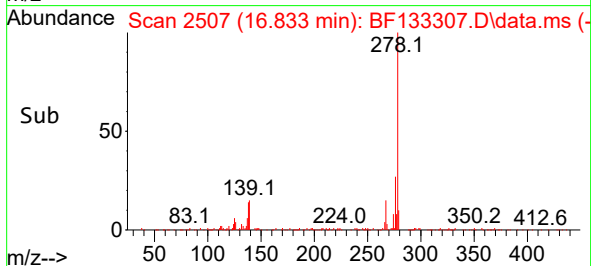
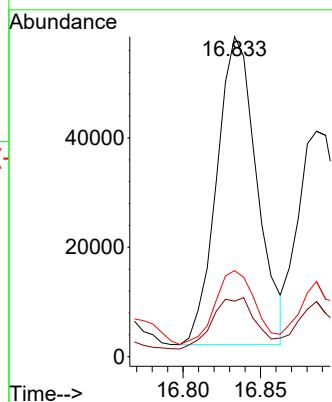
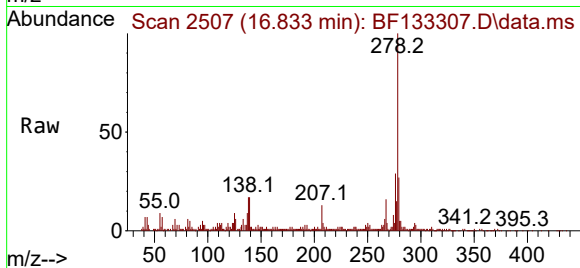
Tgt Ion:278 Resp: 101885

Ion Ratio Lower Upper

278 100

139 17.4 16.6 24.8

279 26.9 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 20.201 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.005 min

Lab File: BF133307.D

Acq: 08 May 2023 21:49

Tgt Ion:276 Resp: 380869

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 25.6 22.7 34.1

