

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133053.D
 Acq On : 26 Apr 2023 04:38
 Operator : CG\JU
 Sample : 02270-09 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-25-10-12-20230411

Quant Time: Apr 26 05:17:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

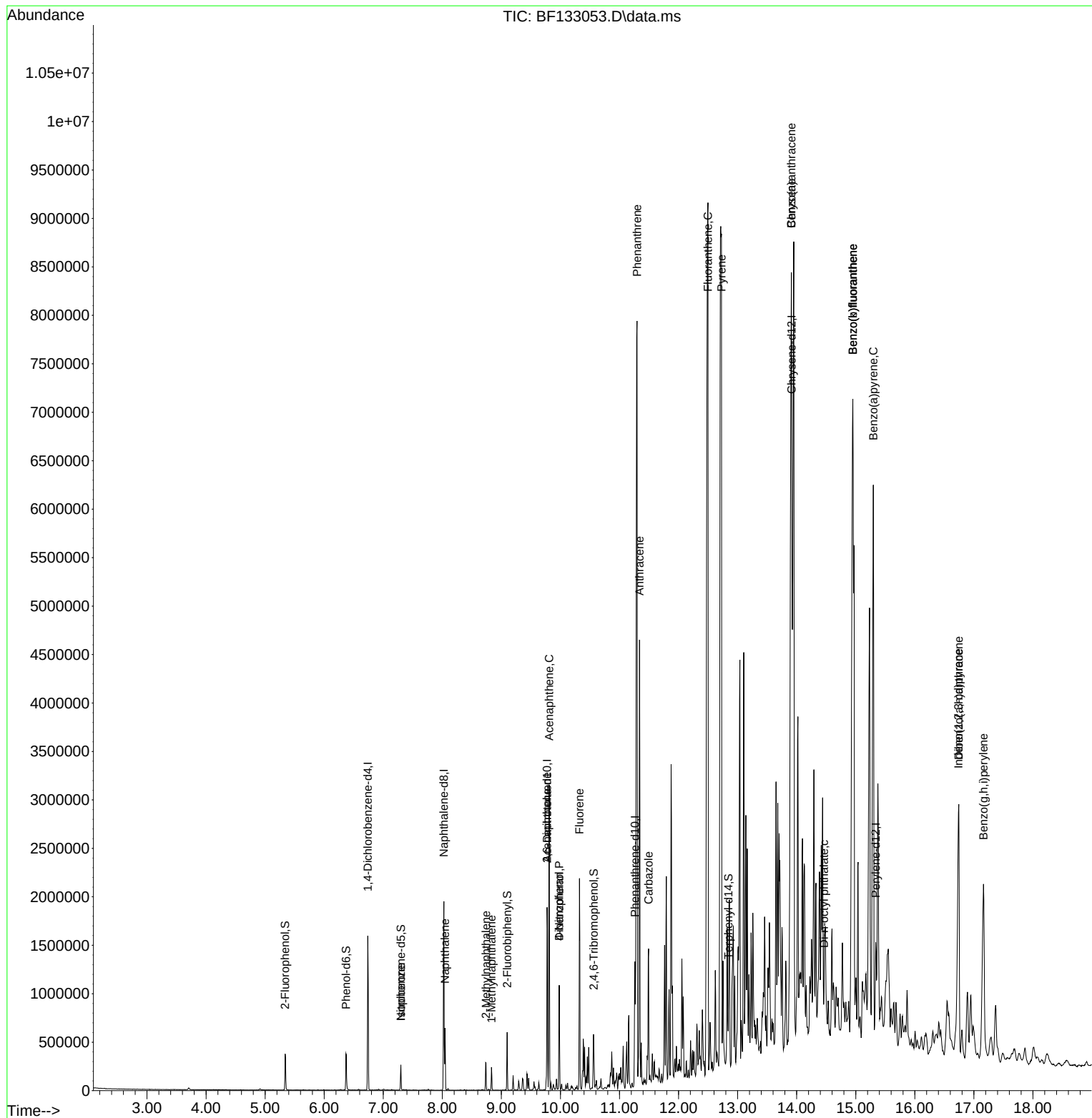
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	213019	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	772049	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	363882	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	558820	20.000	ng	0.00
76) Chrysene-d12	13.916	240	335234	20.000	ng	0.02
86) Perylene-d12	15.339	264	354474	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	102996	7.304	ng	-0.01
7) Phenol-d6	6.369	99	126690	7.238	ng	-0.02
23) Nitrobenzene-d5	7.298	82	65765	4.598	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	20487	5.598	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	147814	6.796	ng	-0.01
79) Terphenyl-d14	12.845	244	130207	6.699	ng	0.00
Target Compounds						
9) Benzaldehyde	6.281	77	486	Below Cal		Qvalue # 27
25) Isophorone	7.298	82	65648	2.417	ng	# 62
31) Naphthalene	8.045	128	222459	5.763	ng	99
37) 2-Methylnaphthalene	8.739	142	75264	2.852	ng	100
38) 1-Methylnaphthalene	8.834	142	52925	2.144	ng	98
51) 2,6-Dinitrotoluene	9.775	165	53189	9.314	ng	# 25
52) Acenaphthene	9.810	154	598489	26.480	ng	99
55) Dibenzofuran	9.980	168	342077	11.096	ng	99
56) 4-Nitrophenol	9.980	139	126023	23.963	ng	# 16
58) Fluorene	10.322	166	528023	23.377	ng	99
71) Phenanthrene	11.298	178	3917017	130.415	ng	98
72) Anthracene	11.339	178	1582144	51.473	ng	99
73) Carbazole	11.492	167	513357	18.757	ng	99
75) Fluoranthene	12.498	202	6659198	220.917	ng	96
78) Pyrene	12.727	202	5990641	208.462	ng	96
81) Benzo(a)anthracene	13.910	228	4847482	210.276	ng	98
83) Chrysene	13.910	228	4847482	210.327	ng	96
85) Di-n-octyl phthalate	14.463	149	51693	2.482	ng	# 83
87) Indeno(1,2,3-cd)pyrene	16.739	276	1749569	86.770	ng	94
88) Benzo(b)fluoranthene	14.951	252	6869129	304.601	ng	97
89) Benzo(k)fluoranthene	14.951	252	6869129	307.278	ng	97
90) Benzo(a)pyrene	15.298	252	3330318	162.247	ng	96
91) Dibenzo(a,h)anthracene	16.745	278	541434	32.195	ng	97
92) Benzo(g,h,i)perylene	17.162	276	1517534	91.402	ng	98

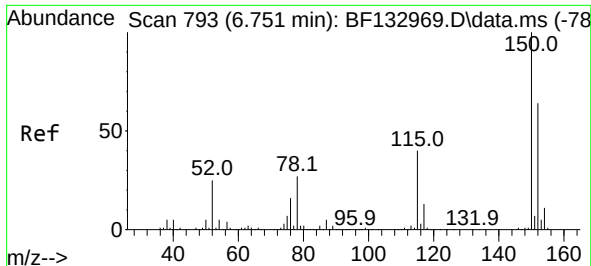
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
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QLast Update : Tue Apr 25 18:24:07 2023
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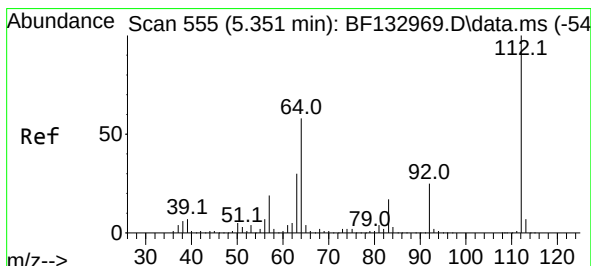
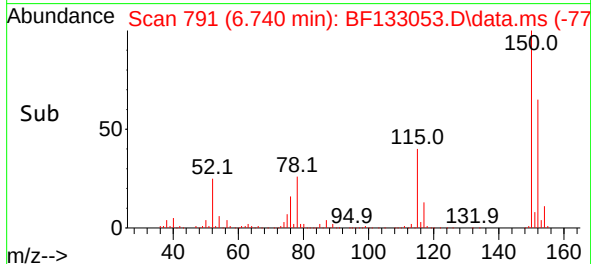
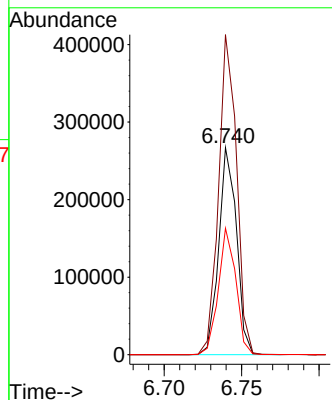
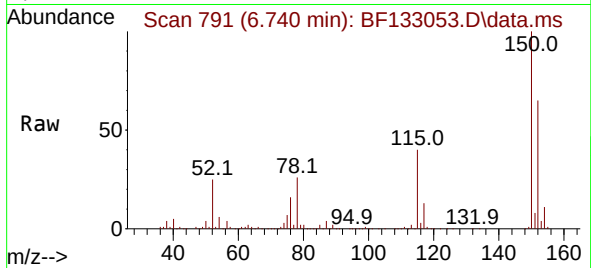




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

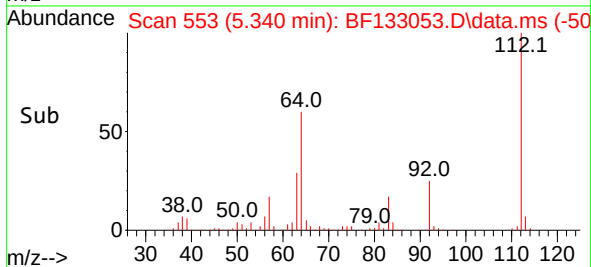
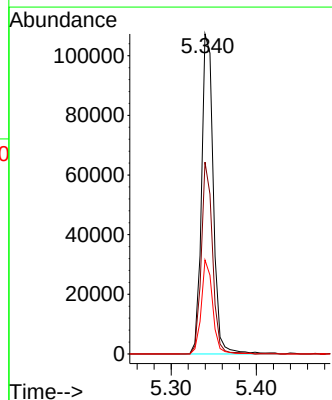
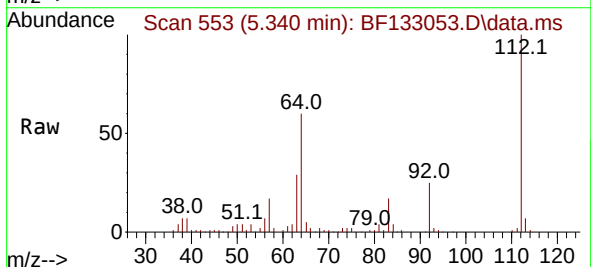
Instrument :
BNA_F
ClientSampleId :
SB-25-10-12-20230411

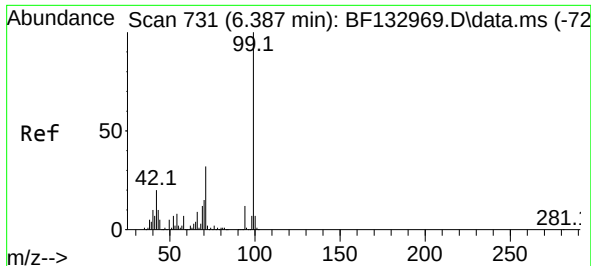
Tgt Ion:152 Resp: 213019
Ion Ratio Lower Upper
152 100
150 154.5 124.8 187.2
115 61.1 49.9 74.9



#5
2-Fluorophenol
Concen: 7.304 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.012 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

Tgt Ion:112 Resp: 102996
Ion Ratio Lower Upper
112 100
64 59.9 46.8 70.2
63 29.3 23.8 35.8





#7

Phenol-d6

Concen: 7.238 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF133053.D

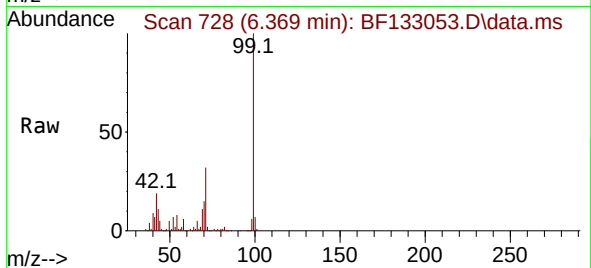
Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411



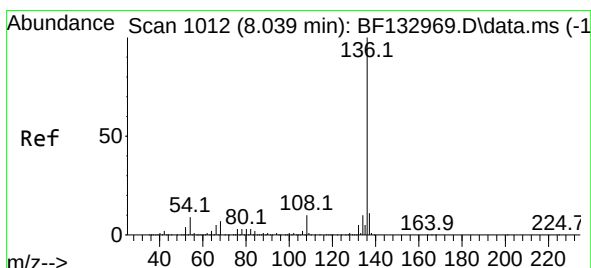
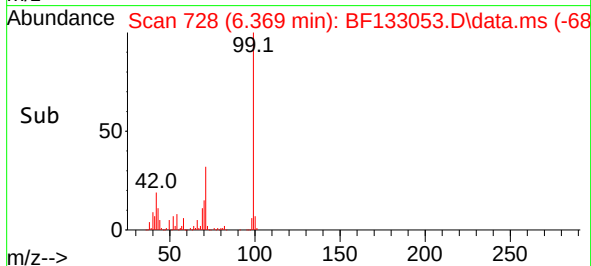
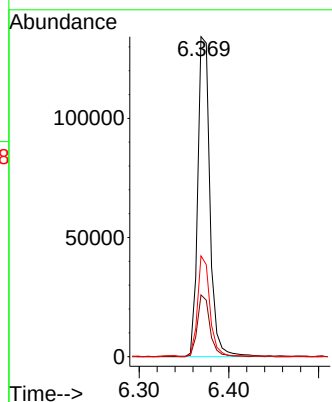
Tgt Ion: 99 Resp: 126690

Ion Ratio Lower Upper

99 100

42 19.3 16.3 24.5

71 31.5 25.6 38.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.028 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Tgt Ion: 136 Resp: 772049

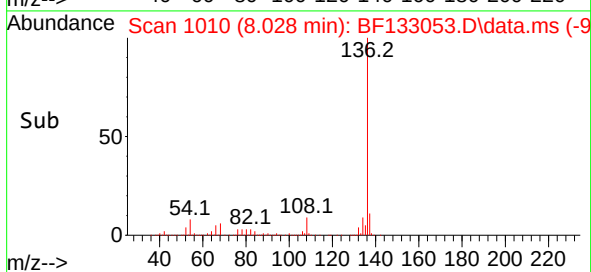
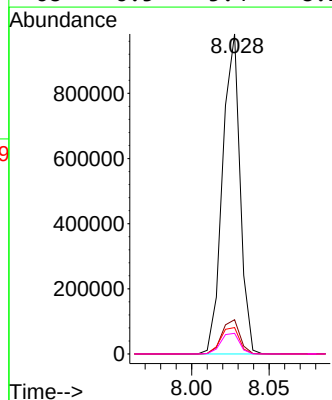
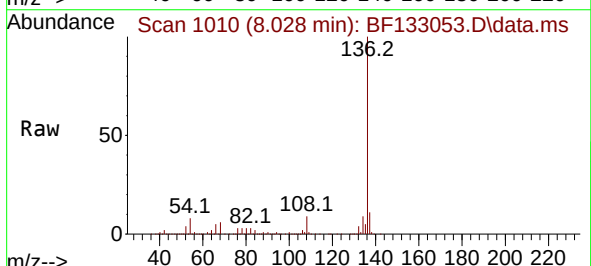
Ion Ratio Lower Upper

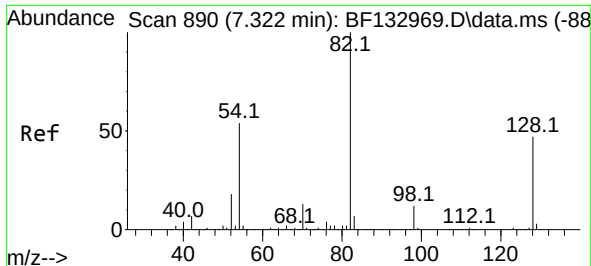
136 100

137 10.7 8.6 13.0

54 8.2 7.0 10.4

68 6.5 5.4 8.2

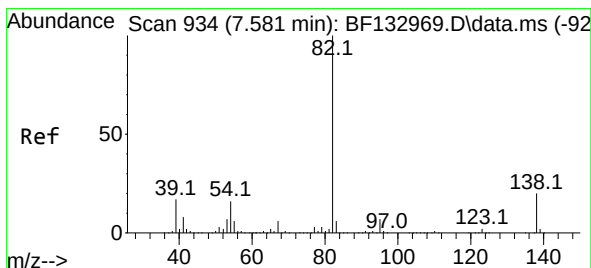
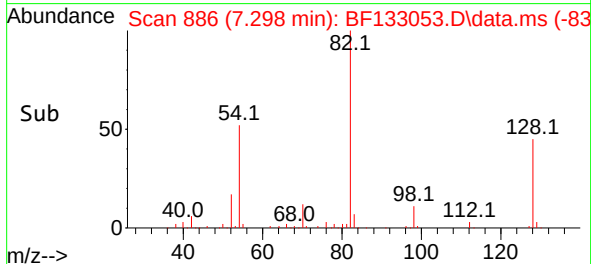
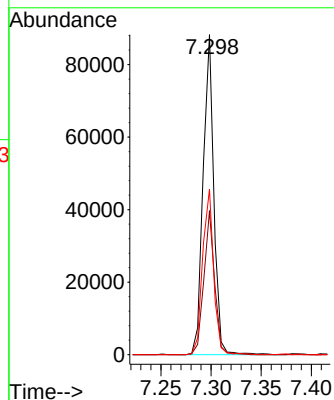
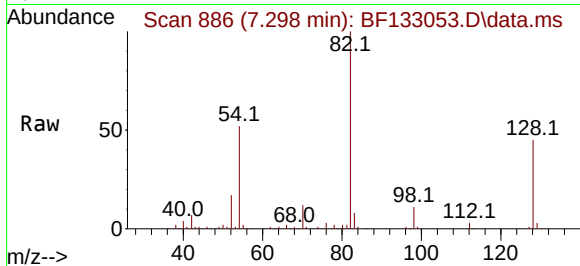




#23
Nitrobenzene-d5
Concen: 4.598 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

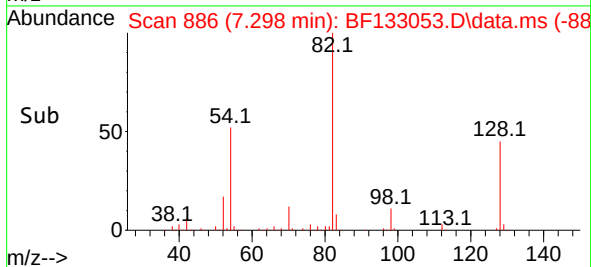
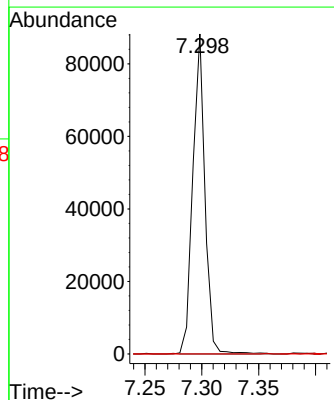
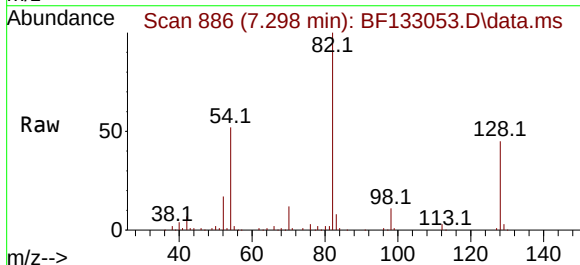
Instrument :
BNA_F
ClientSampleId :
SB-25-10-12-20230411

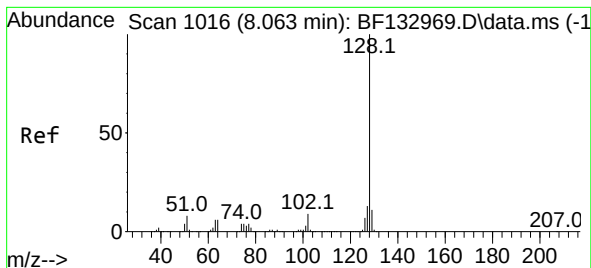
Tgt Ion: 82 Resp: 65765
Ion Ratio Lower Upper
82 100
128 45.0 37.7 56.5
54 51.7 43.0 64.4



#25
Isophorone
Concen: 2.417 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.270 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

Tgt Ion: 82 Resp: 65648
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#





#31

Naphthalene

Concen: 5.763 ng

RT: 8.045 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411

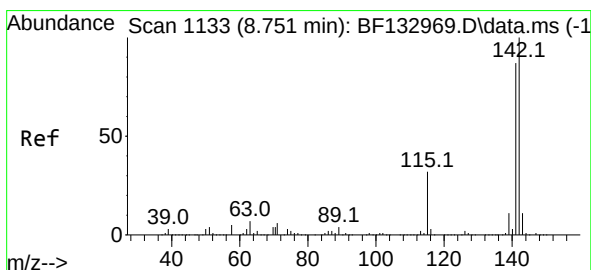
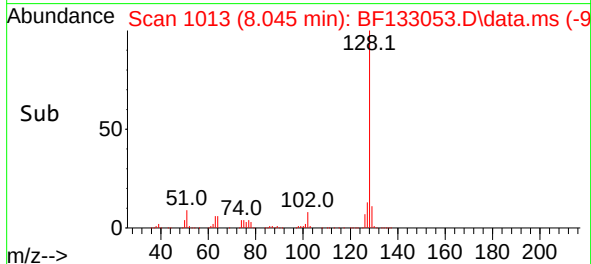
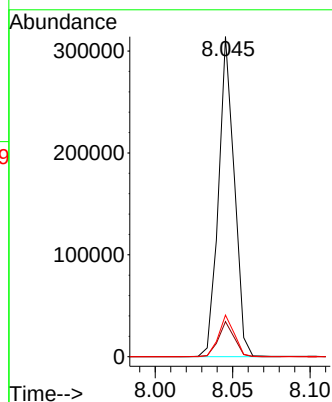
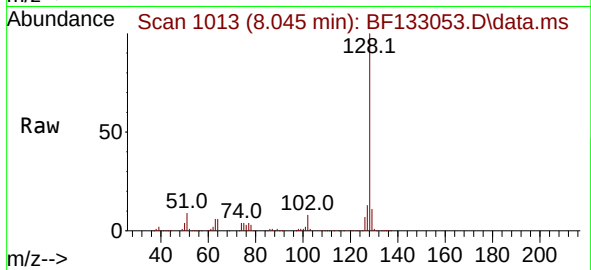
Tgt Ion:128 Resp: 222459

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.0 10.7 16.1



#37

2-Methylnaphthalene

Concen: 2.852 ng

RT: 8.739 min Scan# 1131

Delta R.T. 0.000 min

Lab File: BF133053.D

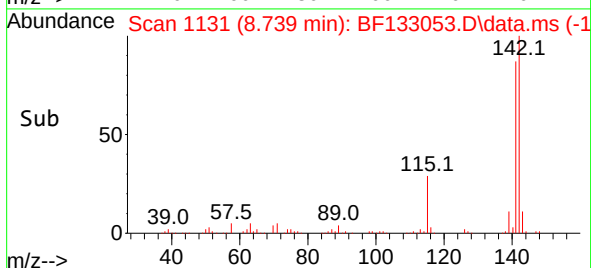
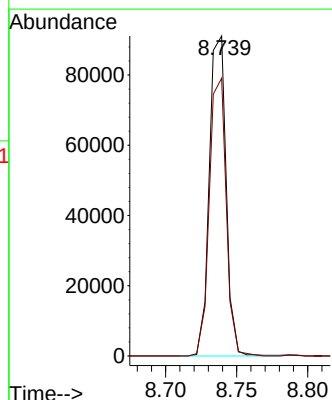
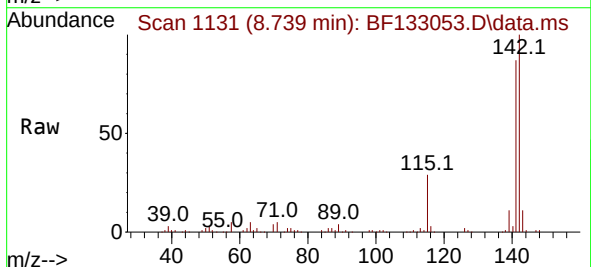
Acq: 26 Apr 2023 04:38

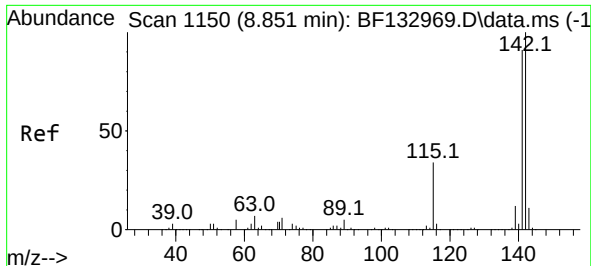
Tgt Ion:142 Resp: 75264

Ion Ratio Lower Upper

142 100

141 86.8 69.4 104.0





#38

1-Methylnaphthalene

Concen: 2.144 ng

RT: 8.834 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

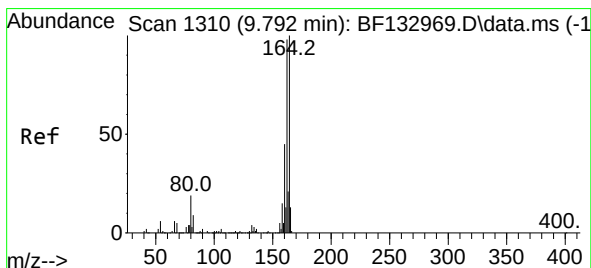
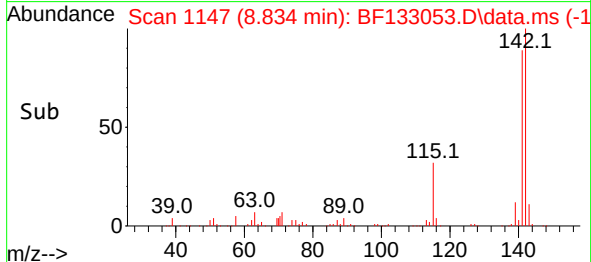
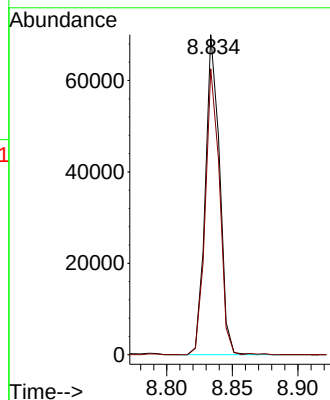
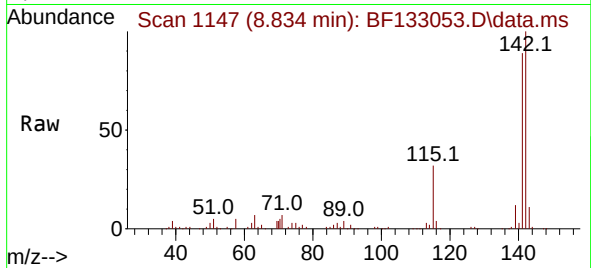
SB-25-10-12-20230411

Tgt Ion:142 Resp: 52925

Ion Ratio Lower Upper

142 100

141 89.4 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.006 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

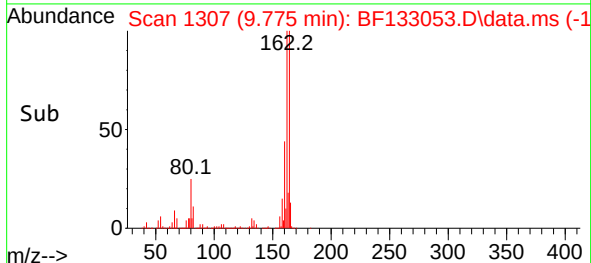
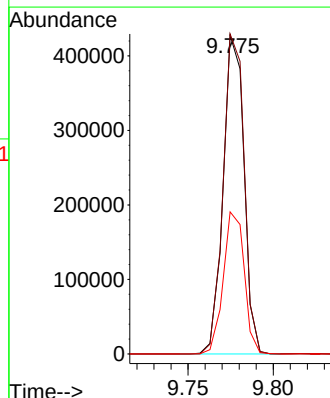
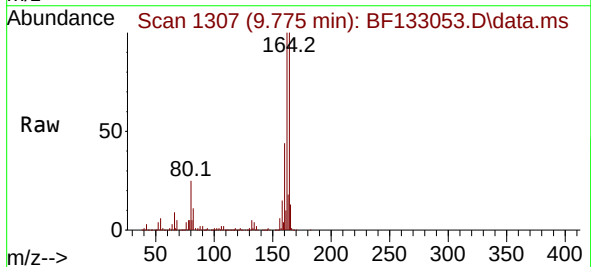
Tgt Ion:164 Resp: 363882

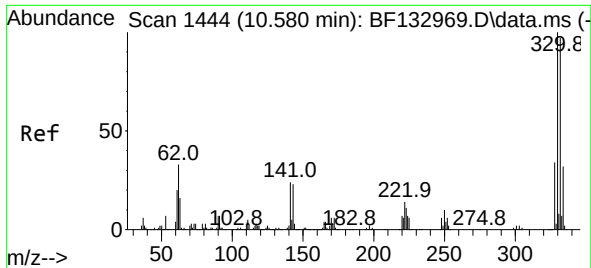
Ion Ratio Lower Upper

164 100

162 100.3 78.7 118.1

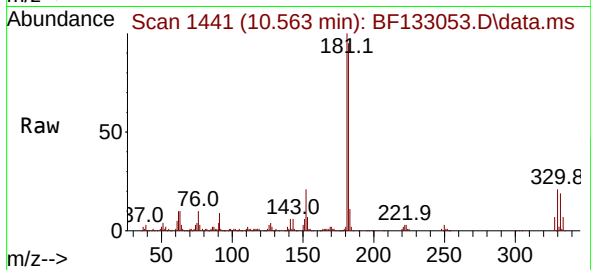
160 44.6 35.8 53.6



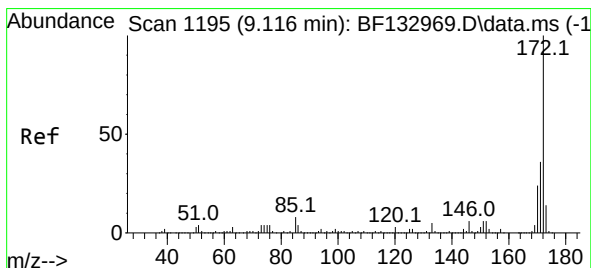
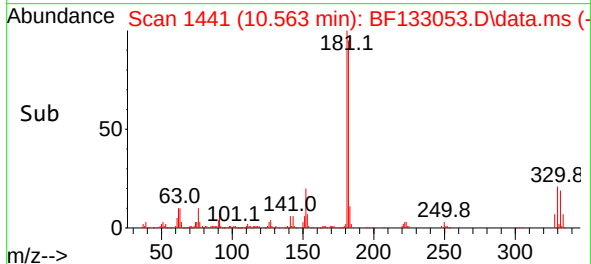
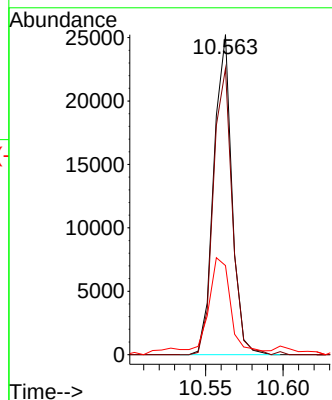


#42
2,4,6-Tribromophenol
Concen: 5.598 ng
RT: 10.563 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

Instrument :
BNA_F
ClientSampleId :
SB-25-10-12-20230411

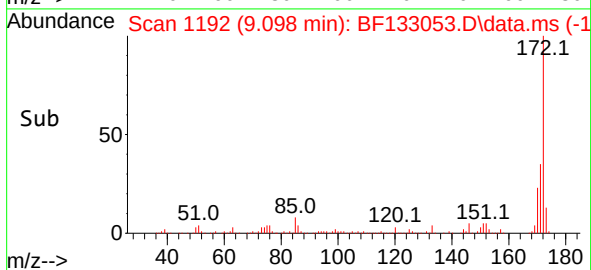
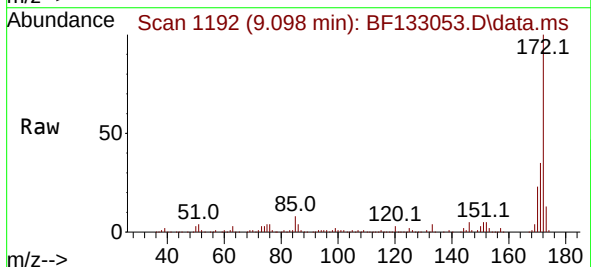
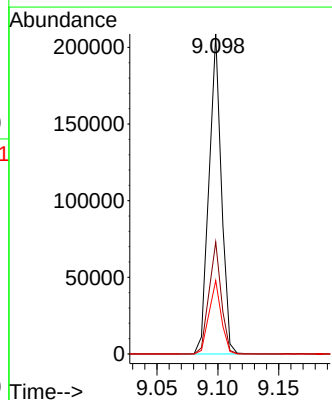


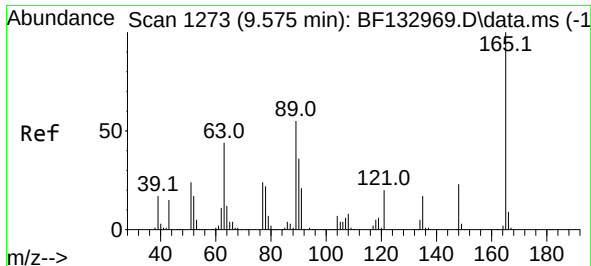
Tgt Ion: 330 Resp: 20487
Ion Ratio Lower Upper
330 100
332 93.4 77.1 115.7
141 40.3 25.8 38.8#



#45
2-Fluorobiphenyl
Concen: 6.796 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

Tgt Ion: 172 Resp: 147814
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 22.9 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 9.314 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411

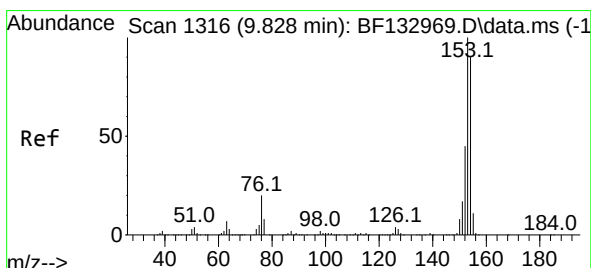
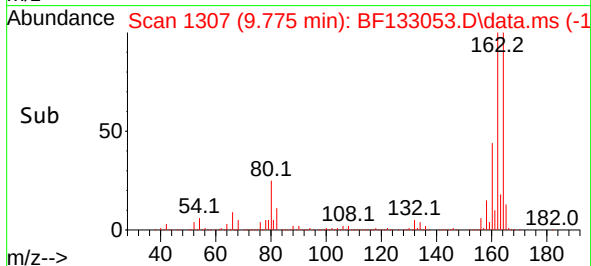
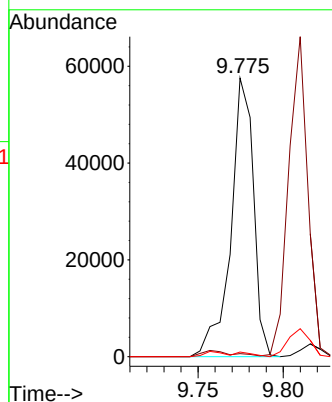
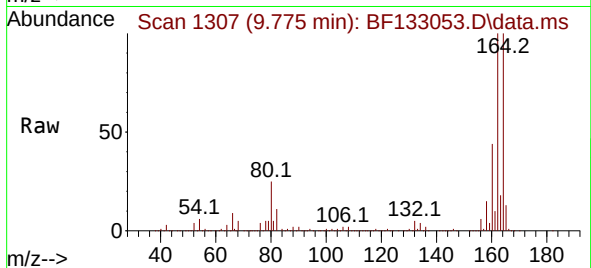
Tgt Ion:165 Resp: 53189

Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.7 44.0 66.0#



#52

Acenaphthene

Concen: 26.480 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

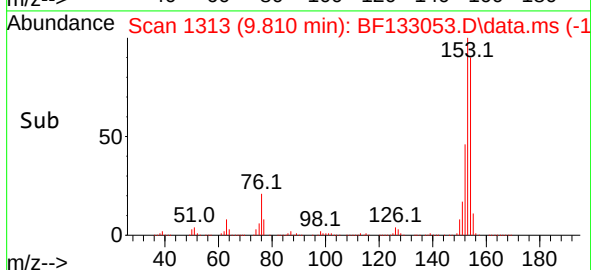
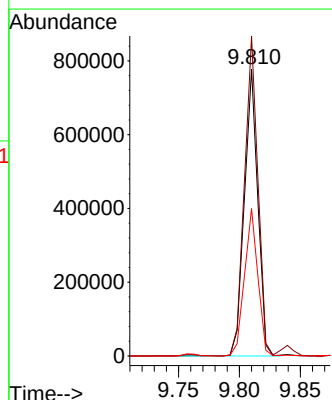
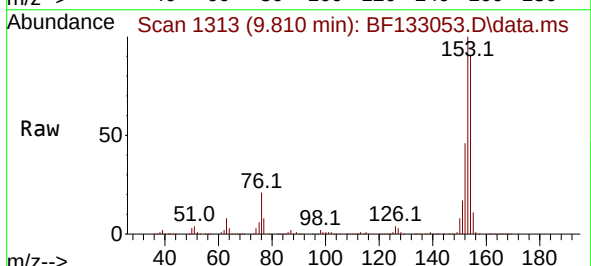
Tgt Ion:154 Resp: 598489

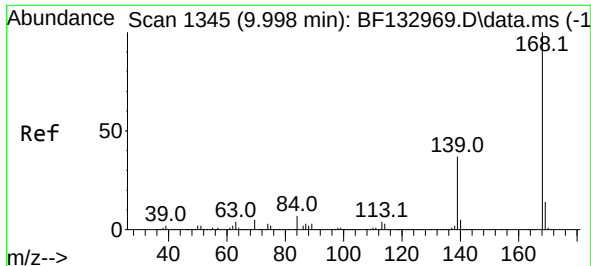
Ion Ratio Lower Upper

154 100

153 111.6 89.0 133.6

152 51.3 40.4 60.6

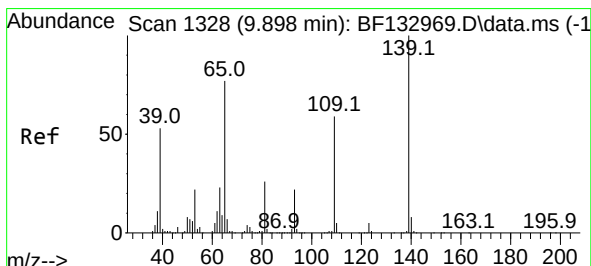
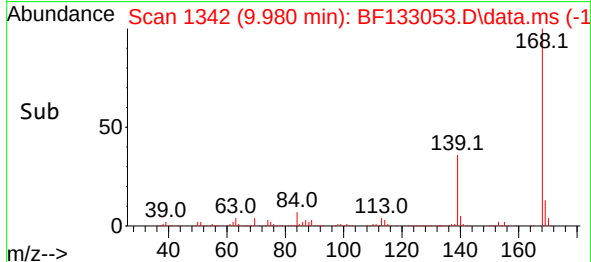
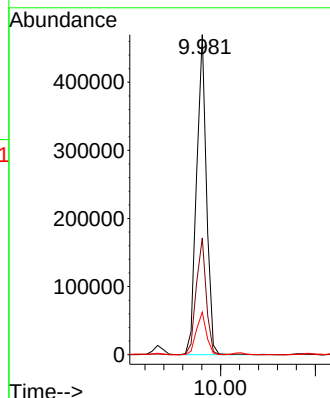
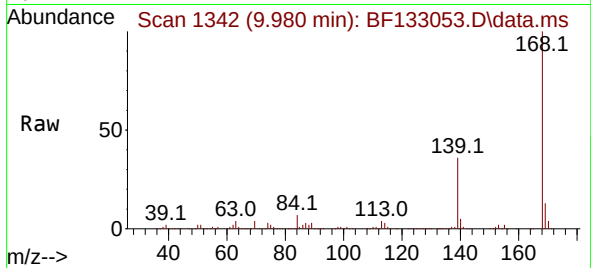




#55
Dibenzenofuran
Concen: 11.096 ng
RT: 9.980 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

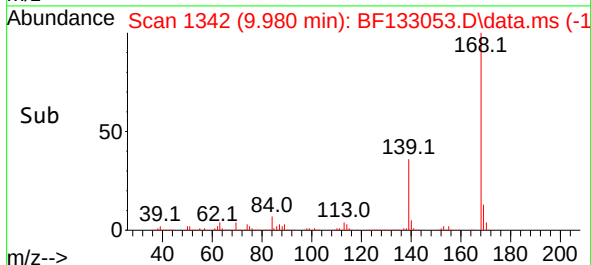
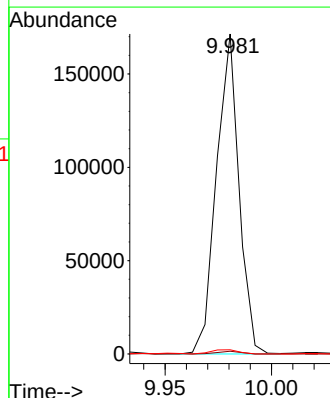
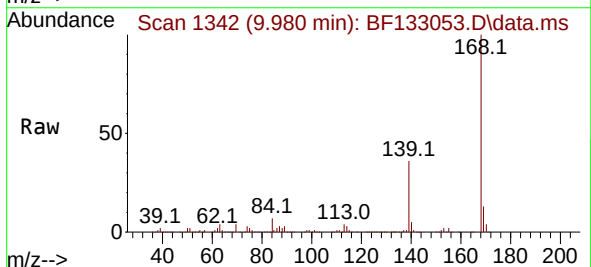
Instrument :
BNA_F
ClientSampleId :
SB-25-10-12-20230411

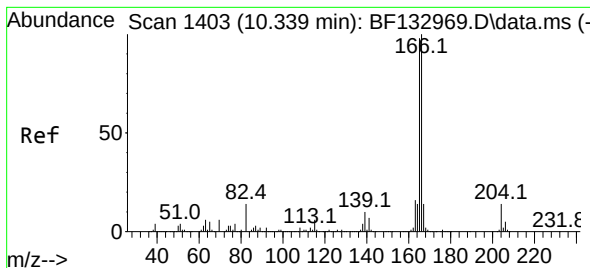
Tgt Ion:168 Resp: 342077
Ion Ratio Lower Upper
168 100
139 36.5 29.8 44.8
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 23.963 ng
RT: 9.980 min Scan# 1342
Delta R.T. 0.088 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

Tgt Ion:139 Resp: 126023
Ion Ratio Lower Upper
139 100
109 0.8 39.4 79.4#
65 1.3 57.5 97.5#





#58

Fluorene

Concen: 23.377 ng

RT: 10.322 min Scan# 1403

Delta R.T. -0.006 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411

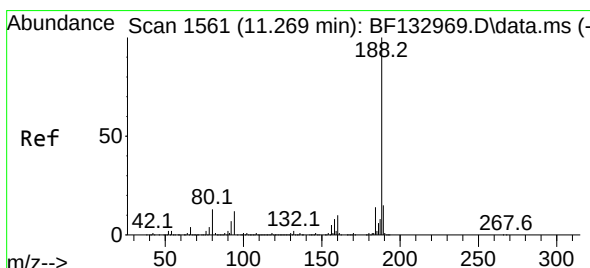
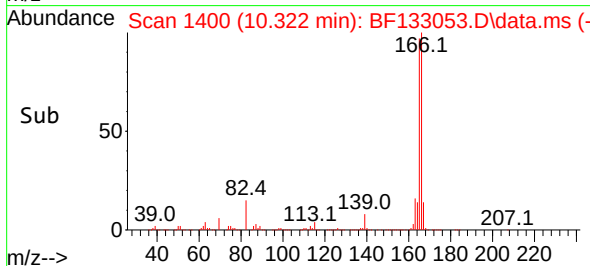
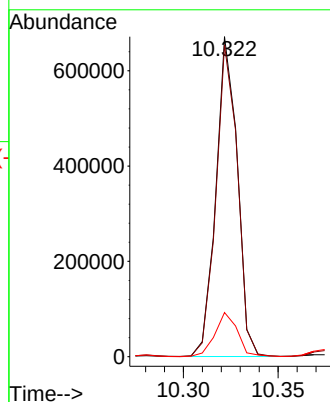
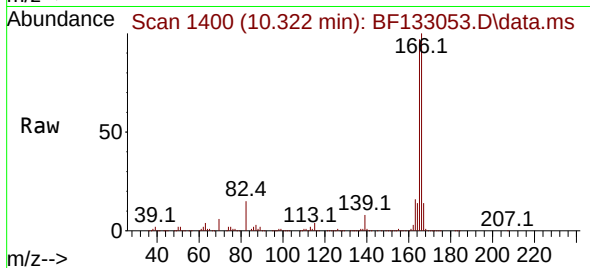
Tgt Ion:166 Resp: 528023

Ion Ratio Lower Upper

166 100

165 97.4 78.6 117.8

167 13.8 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1560

Delta R.T. 0.000 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

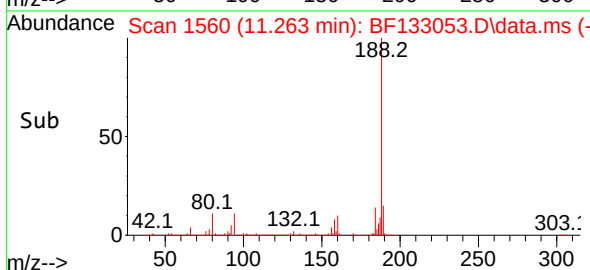
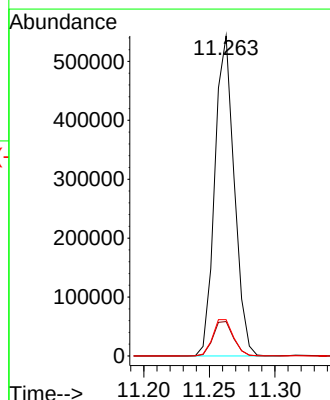
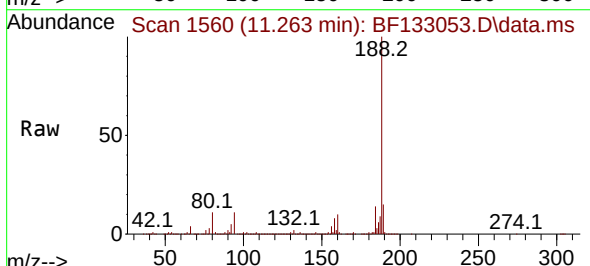
Tgt Ion:188 Resp: 558820

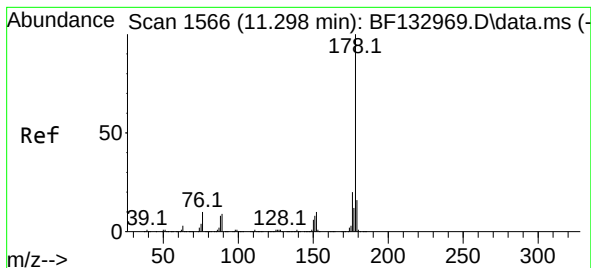
Ion Ratio Lower Upper

188 100

94 10.7 9.7 14.5

80 11.3 10.4 15.6





#71

Phenanthrene

Concen: 130.415 ng

RT: 11.298 min Scan# 1566

Delta R.T. 0.012 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411

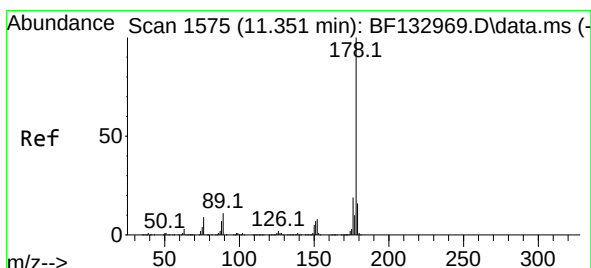
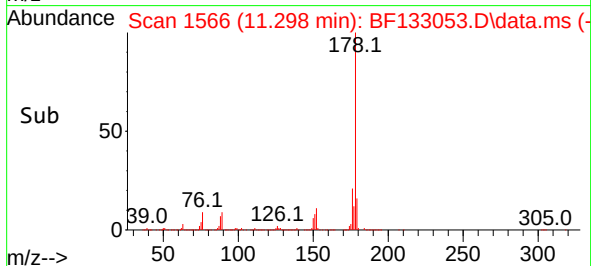
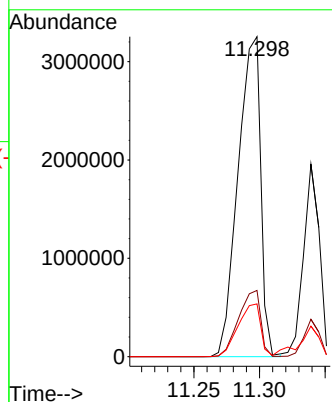
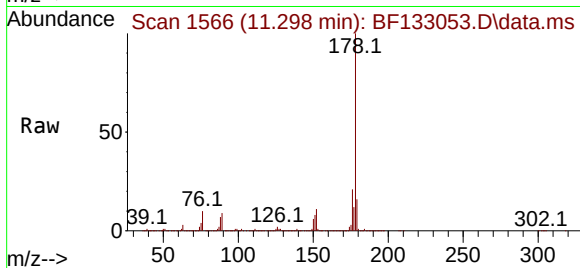
Tgt Ion:178 Resp: 3917017

Ion Ratio Lower Upper

178 100

176 20.7 15.9 23.9

179 16.5 12.5 18.7



#72

Anthracene

Concen: 51.473 ng

RT: 11.339 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

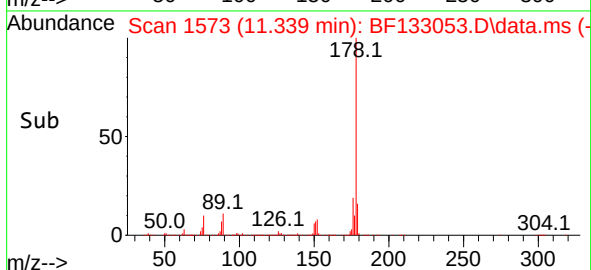
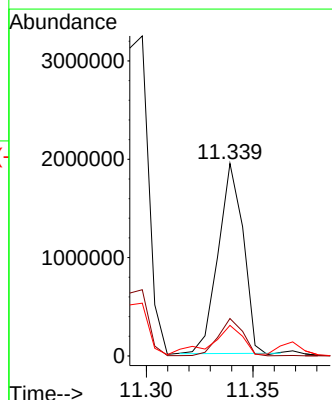
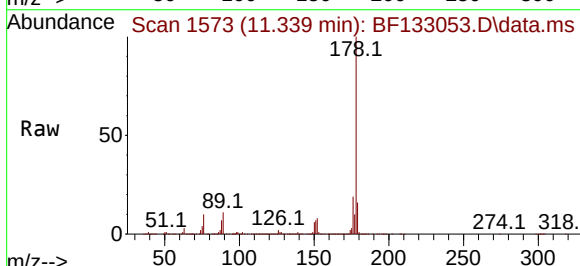
Tgt Ion:178 Resp: 1582144

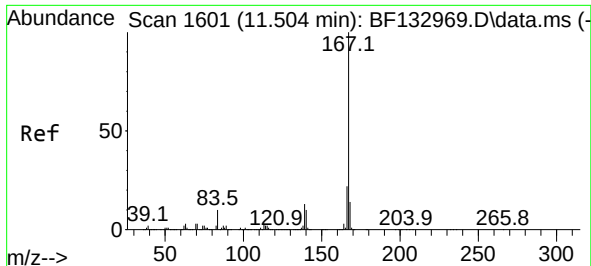
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.9 12.4 18.6

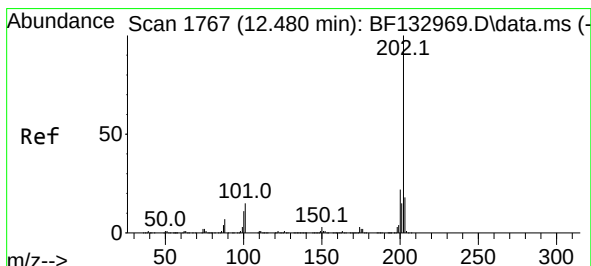
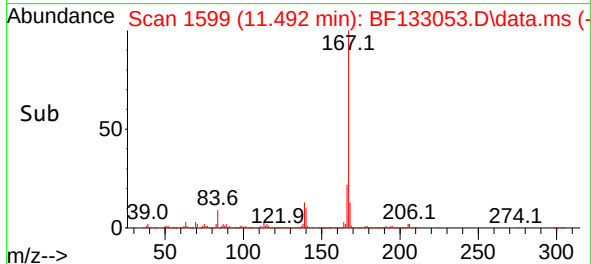
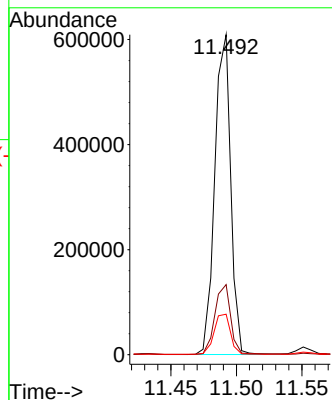
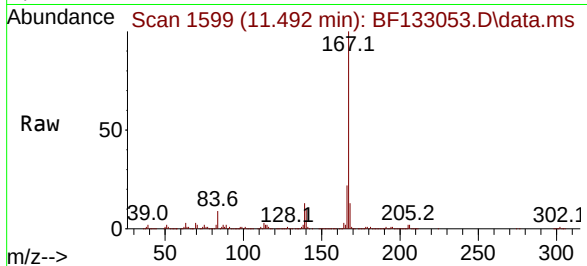




#73
 Carbazole
 Concen: 18.757 ng
 RT: 11.492 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133053.D
 Acq: 26 Apr 2023 04:38

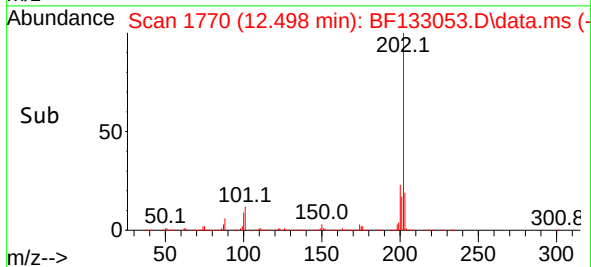
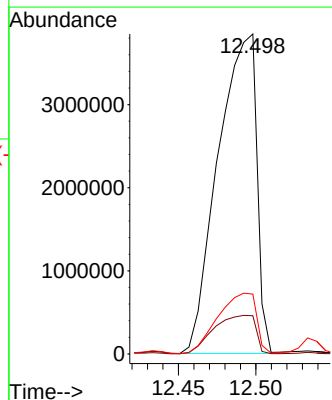
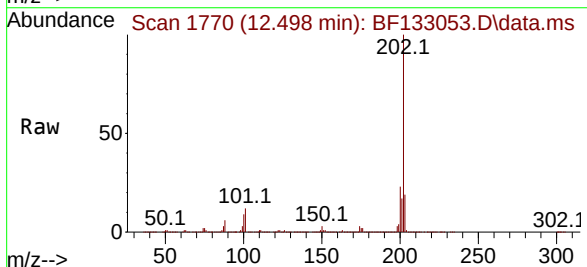
Instrument :
 BNA_F
 ClientSampleId :
 SB-25-10-12-20230411

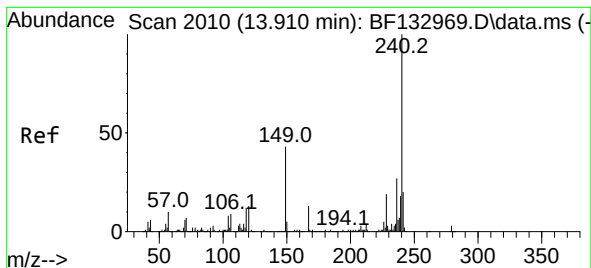
Tgt Ion:167 Resp: 513357
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 12.6 10.6 16.0



#75
 Fluoranthene
 Concen: 220.917 ng
 RT: 12.498 min Scan# 1770
 Delta R.T. 0.024 min
 Lab File: BF133053.D
 Acq: 26 Apr 2023 04:38

Tgt Ion:202 Resp: 6659198
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 35.3
 203 18.7 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.916 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411

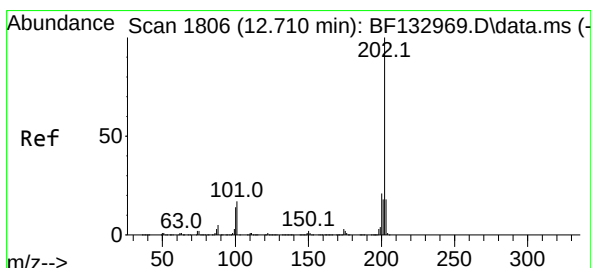
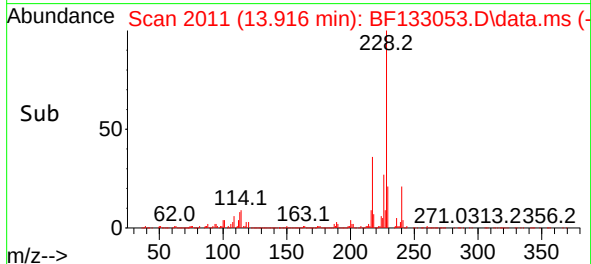
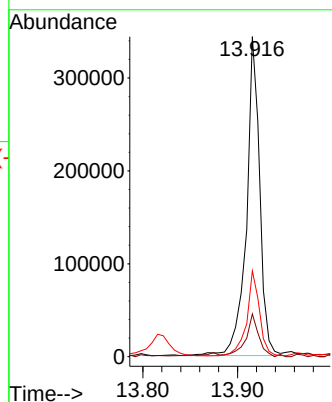
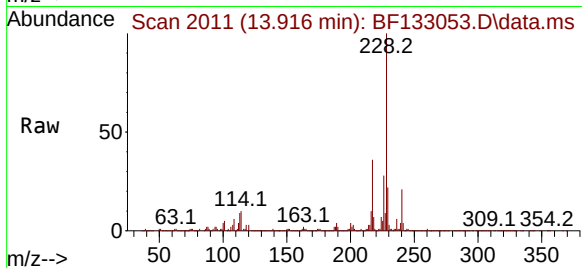
Tgt Ion:240 Resp: 335234

Ion Ratio Lower Upper

240 100

120 13.3 10.5 15.7

236 26.8 21.5 32.3



#78

Pyrene

Concen: 208.462 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.030 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

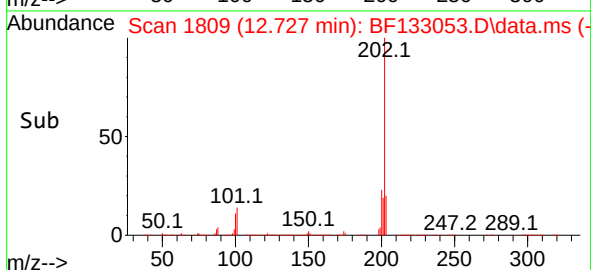
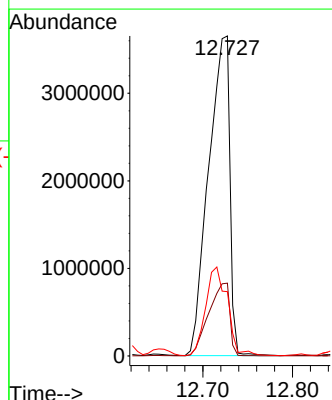
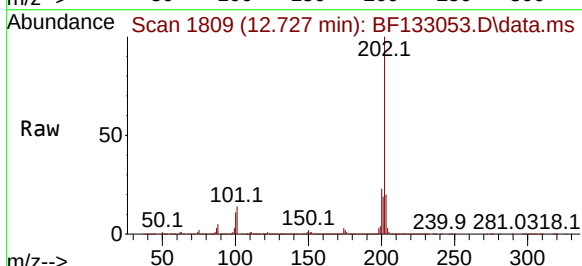
Tgt Ion:202 Resp: 5990641

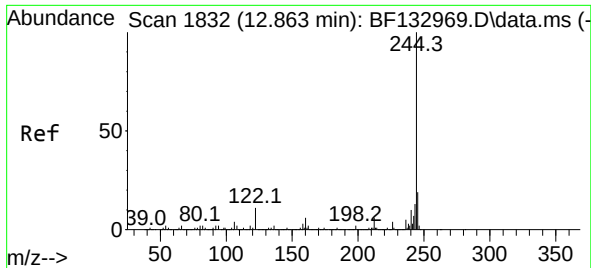
Ion Ratio Lower Upper

202 100

200 22.8 17.1 25.7

203 20.1 14.1 21.1

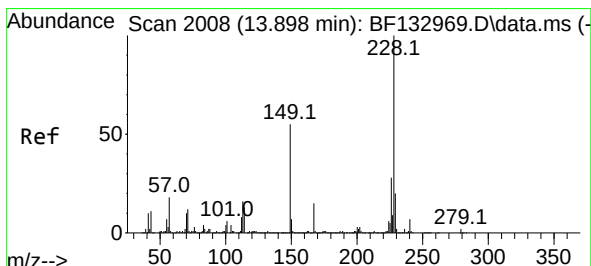
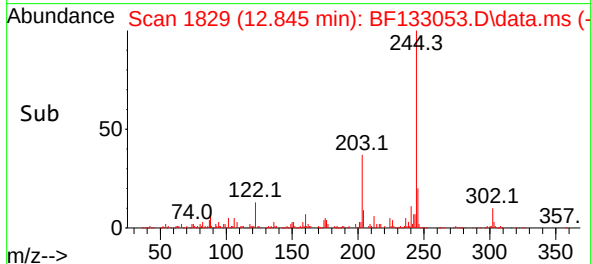
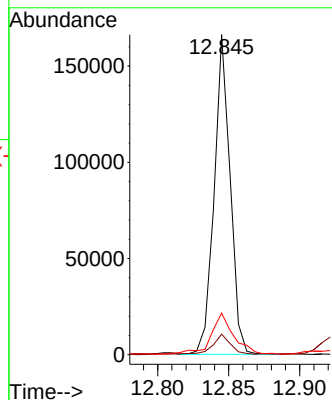
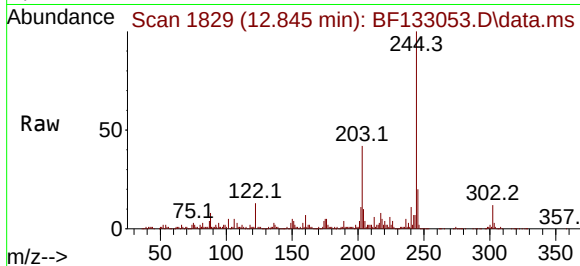




#79
 Terphenyl-d14
 Concen: 6.699 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.006 min
 Lab File: BF133053.D
 Acq: 26 Apr 2023 04:38

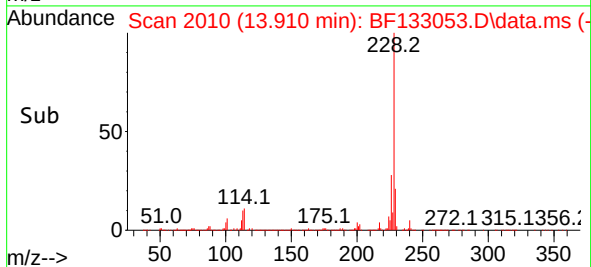
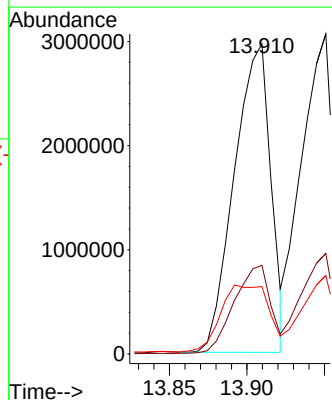
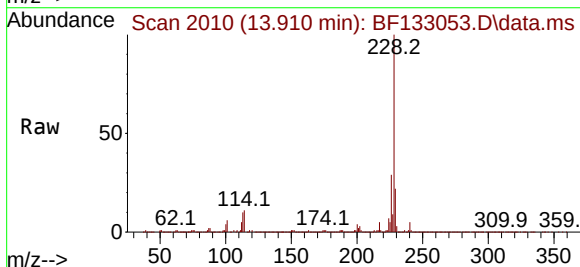
Instrument :
 BNA_F
 ClientSampleId :
 SB-25-10-12-20230411

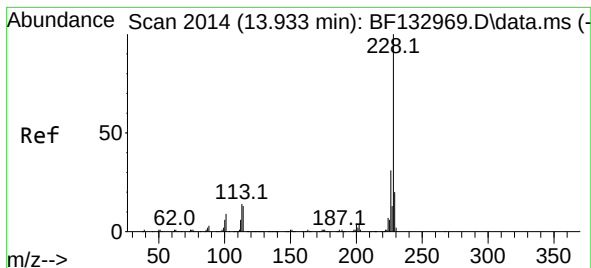
Tgt Ion:244 Resp: 130207
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 13.0 8.6 13.0#



#81
 Benzo(a)anthracene
 Concen: 210.276 ng
 RT: 13.910 min Scan# 2010
 Delta R.T. 0.024 min
 Lab File: BF133053.D
 Acq: 26 Apr 2023 04:38

Tgt Ion:228 Resp: 4847482
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.2 33.4
 229 21.7 16.0 24.0





#83

Chrysene

Concen: 210.327 ng

RT: 13.910 min Scan# 2104

Delta R.T. -0.018 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411

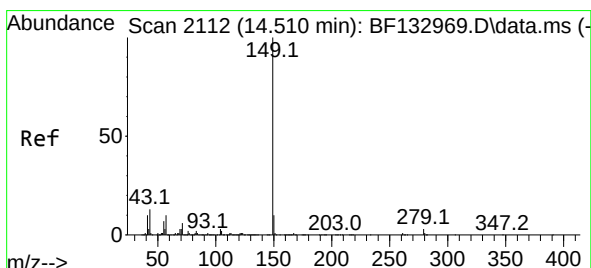
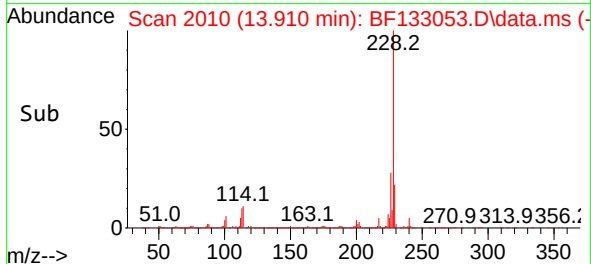
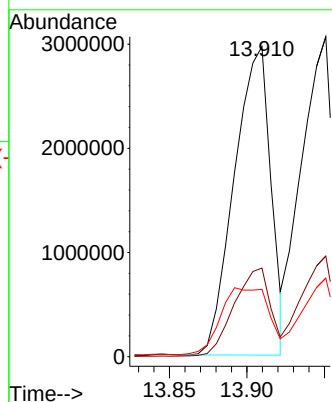
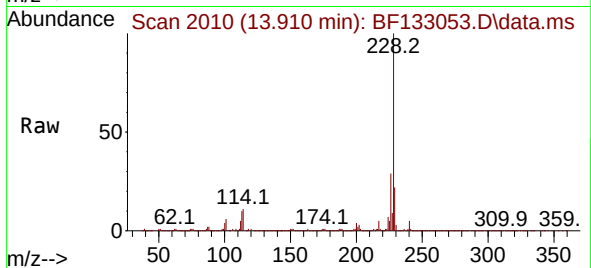
Tgt Ion:228 Resp: 4847482

Ion Ratio Lower Upper

228 100

226 28.6 24.7 37.1

229 21.7 16.1 24.1



#85

Di-n-octyl phthalate

Concen: 2.482 ng

RT: 14.463 min Scan# 2104

Delta R.T. -0.035 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

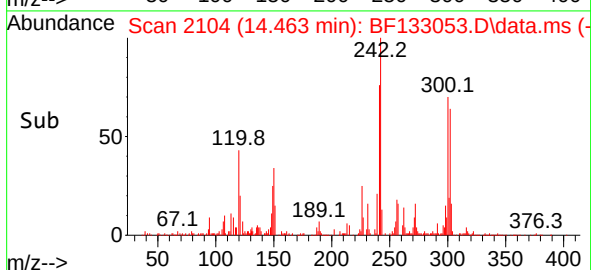
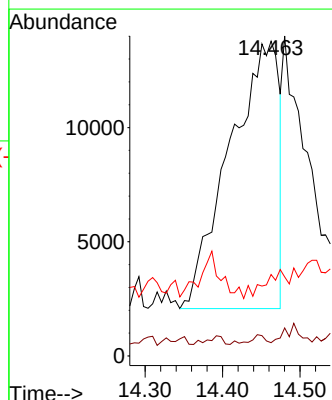
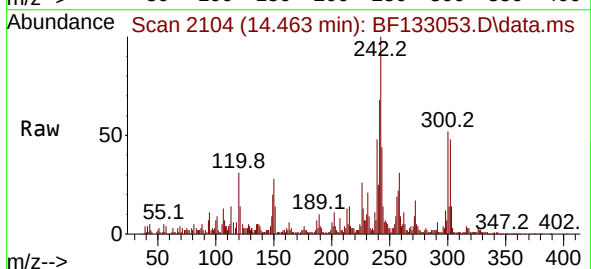
Tgt Ion:149 Resp: 51693

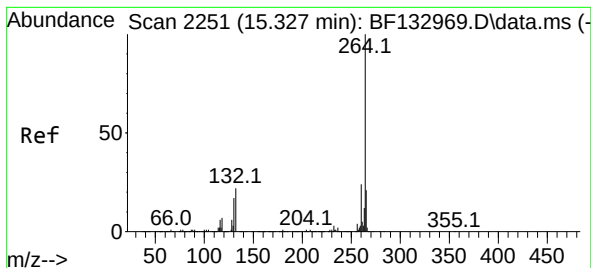
Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 4.8 9.5 14.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.339 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411

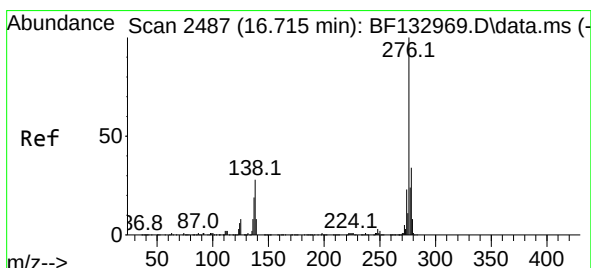
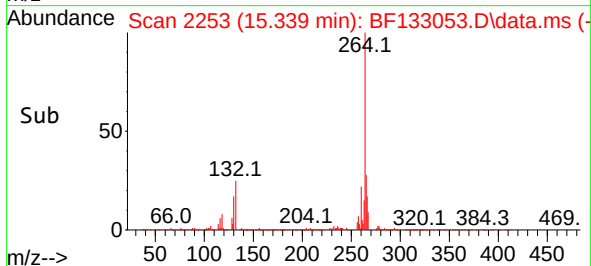
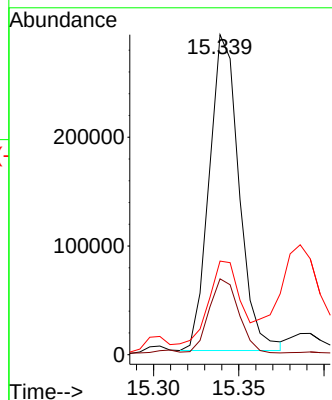
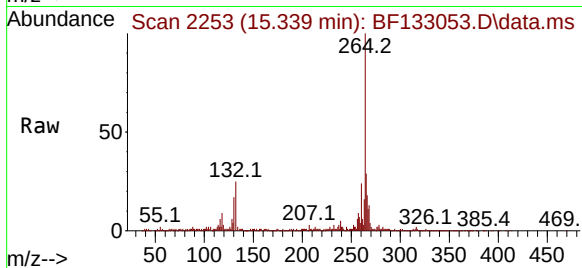
Tgt Ion:264 Resp: 354474

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 29.2 17.0 25.4#



#87

Indeno(1,2,3-cd)pyrene

Concen: 86.770 ng

RT: 16.739 min Scan# 2491

Delta R.T. 0.035 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

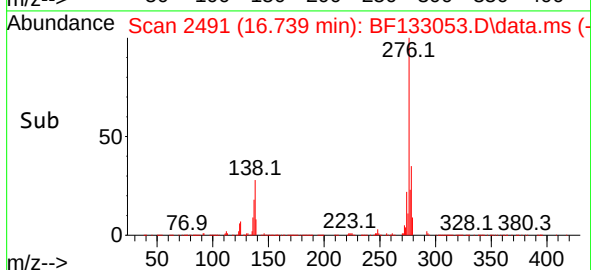
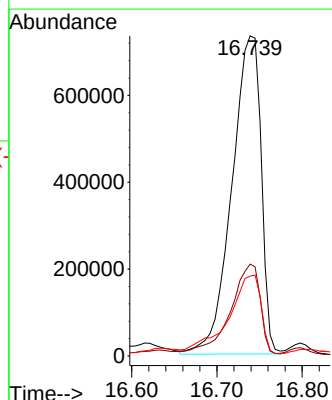
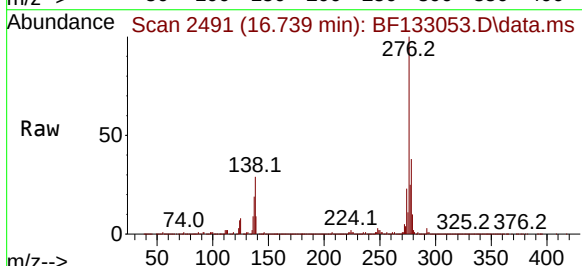
Tgt Ion:276 Resp: 1749569

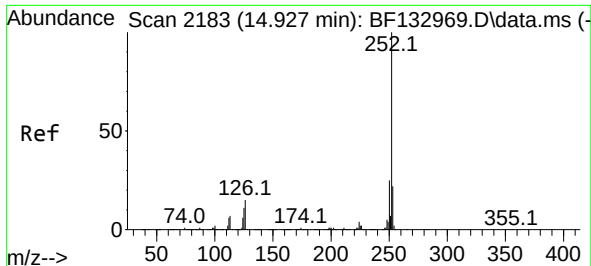
Ion Ratio Lower Upper

276 100

138 28.1 25.5 38.3

277 27.8 20.4 30.6

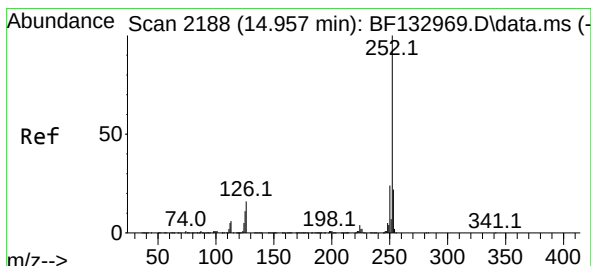
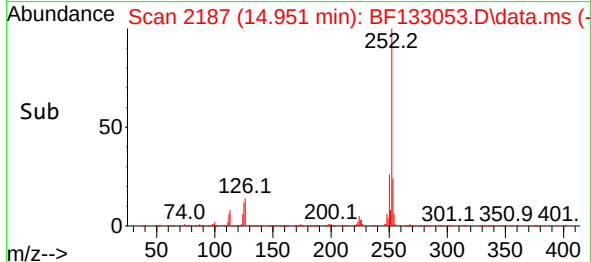
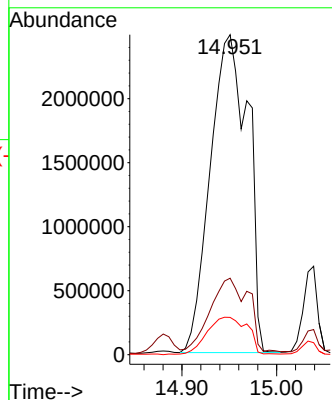
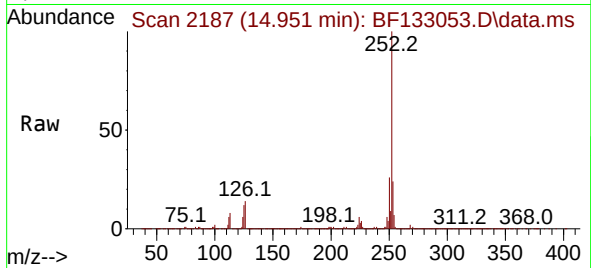




#88
Benzo(b)fluoranthene
Concen: 304.601 ng
RT: 14.951 min Scan# 2187
Delta R.T. 0.035 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

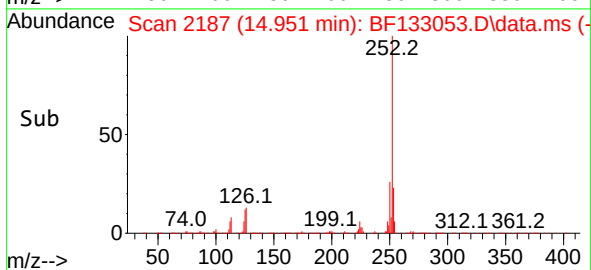
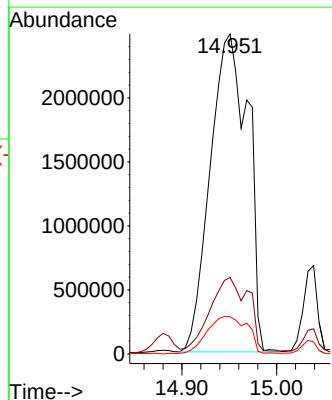
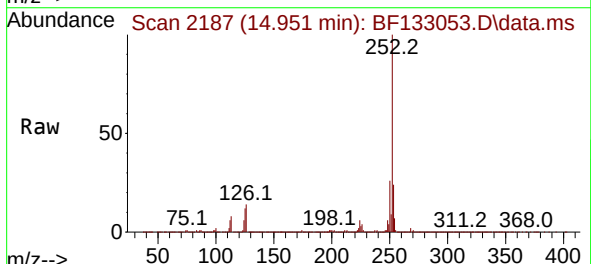
Instrument :
BNA_F
ClientSampleId :
SB-25-10-12-20230411

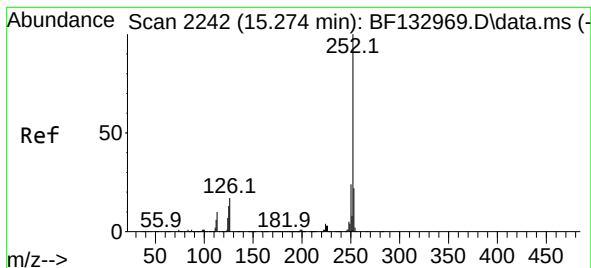
Tgt Ion:252 Resp: 6869129
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 11.7 8.9 13.3



#89
Benzo(k)fluoranthene
Concen: 307.278 ng
RT: 14.951 min Scan# 2187
Delta R.T. 0.012 min
Lab File: BF133053.D
Acq: 26 Apr 2023 04:38

Tgt Ion:252 Resp: 6869129
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 11.7 9.0 13.4





#90

Benzo(a)pyrene

Concen: 162.247 ng

RT: 15.298 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411

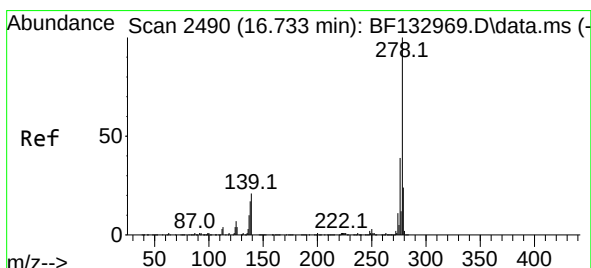
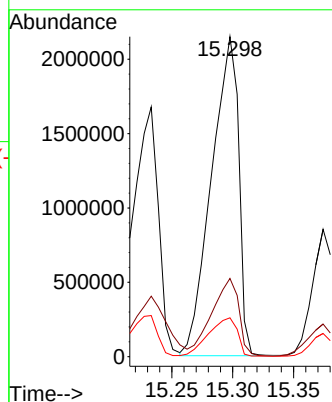
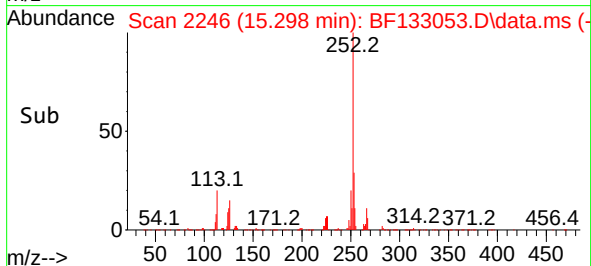
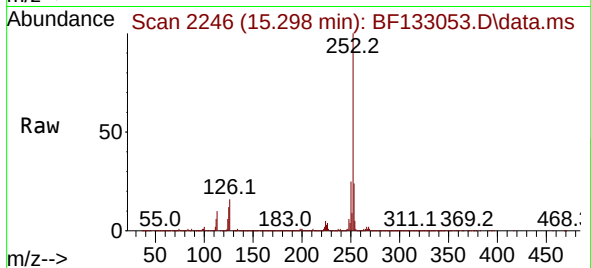
Tgt Ion:252 Resp: 3330318

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 12.1 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 32.195 ng

RT: 16.745 min Scan# 2492

Delta R.T. 0.024 min

Lab File: BF133053.D

Acq: 26 Apr 2023 04:38

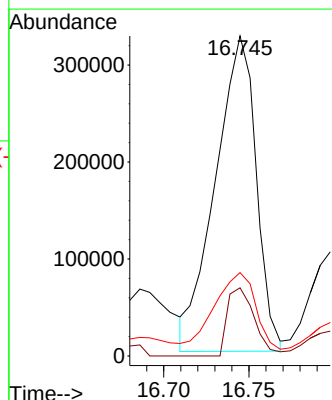
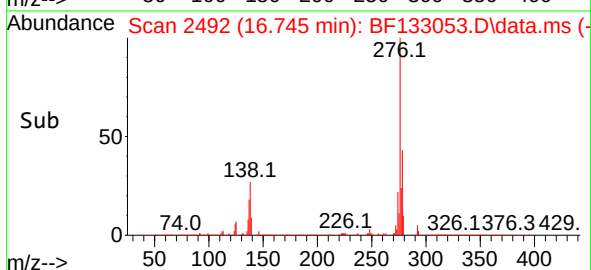
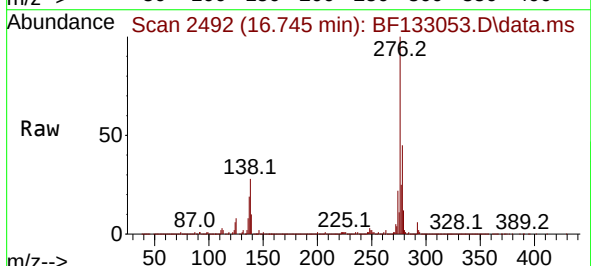
Tgt Ion:278 Resp: 541434

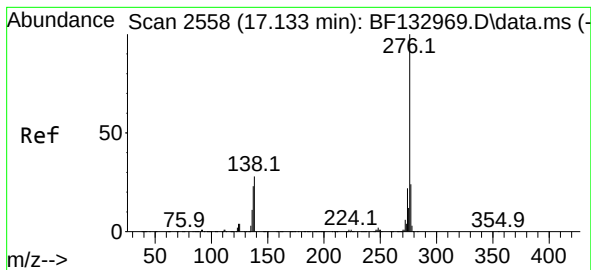
Ion Ratio Lower Upper

278 100

139 21.3 16.6 24.8

279 26.1 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 91.402 ng

RT: 17.162 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF133053.D

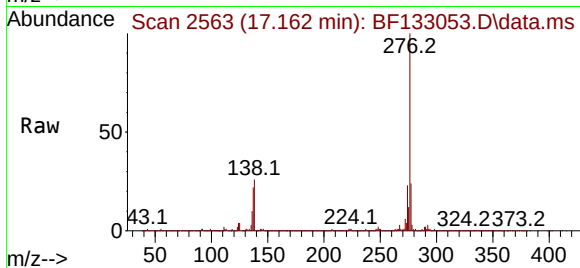
Acq: 26 Apr 2023 04:38

Instrument :

BNA_F

ClientSampleId :

SB-25-10-12-20230411



Tgt Ion:276 Resp: 1517534

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 26.2 22.7 34.1

