

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133245.D
 Acq On : 04 May 2023 22:39
 Operator : CG\JU
 Sample : 02588-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-6-9-05022023

Quant Time: May 05 05:33:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

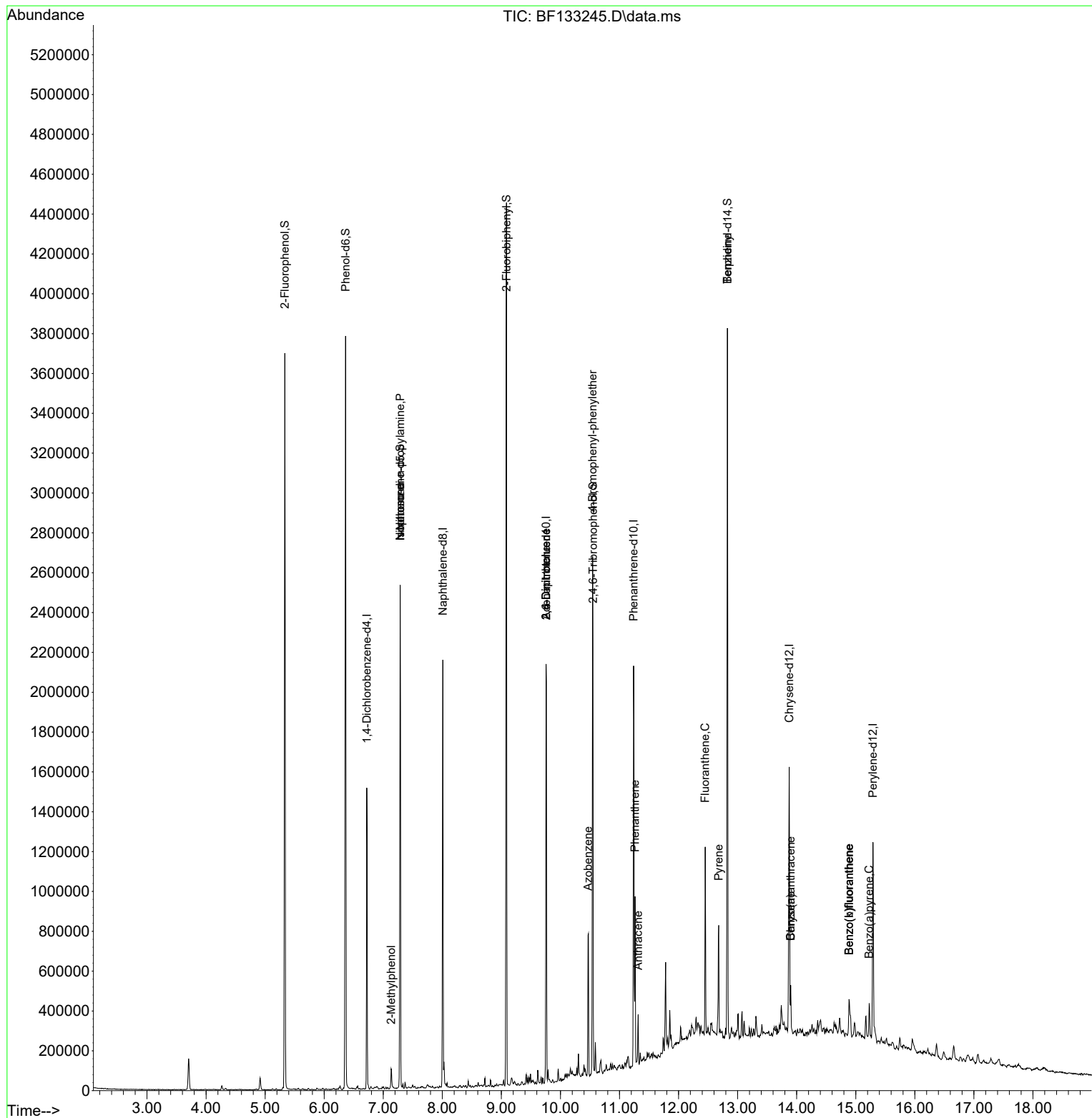
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	205971	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	829610	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	428829	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	742772	20.000	ng	0.00
76) Chrysene-d12	13.874	240	372466	20.000	ng	-0.01
86) Perylene-d12	15.292	264	417443	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1039533	76.240	ng	0.00
7) Phenol-d6	6.363	99	1271804	75.149	ng	-0.01
23) Nitrobenzene-d5	7.286	82	760836	49.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	308799	71.602	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1294988	50.522	ng	0.00
79) Terphenyl-d14	12.827	244	1143725	52.959	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	3051	Below Cal	#	85
17) 2-Methylphenol	7.133	107	27452	2.166	ng	# 69
19) n-Nitroso-di-n-propyla...	7.286	70	101046	9.591	ng	# 80
25) Isophorone	7.286	82	757892	25.971	ng	# 63
51) 2,6-Dinitrotoluene	9.757	165	55826	8.295	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	55826	6.504	ng	# 23
63) Azobenzene	10.469	77	127823	4.272	ng	# 1
67) 4-Bromophenyl-phenylether	10.545	248	20276	2.517	ng	# 1
71) Phenanthrene	11.263	178	271995	6.813	ng	98
72) Anthracene	11.316	178	85578	2.095	ng	98
75) Fluoranthene	12.451	202	312260	7.794	ng	97
77) Benzidine	12.827	184	13889	2.205	ng	96
78) Pyrene	12.680	202	238348	7.465	ng	99
81) Benzo(a)anthracene	13.898	228	82132	3.207	ng	94
83) Chrysene	13.898	228	82132	3.207	ng	97
88) Benzo(b)fluoranthene	14.886	252	137275	5.169	ng	# 94
89) Benzo(k)fluoranthene	14.886	252	137275	5.214	ng	# 94
90) Benzo(a)pyrene	15.227	252	79702	3.297	ng	98

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

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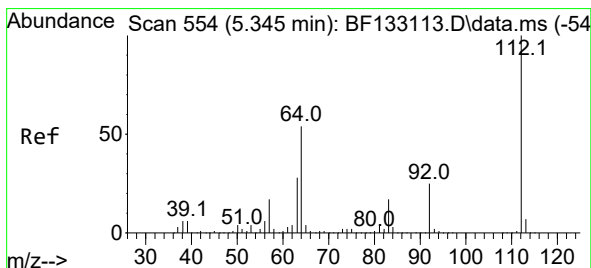
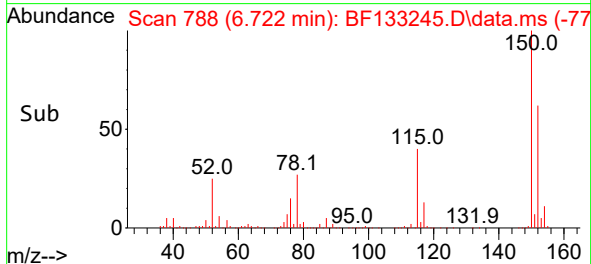
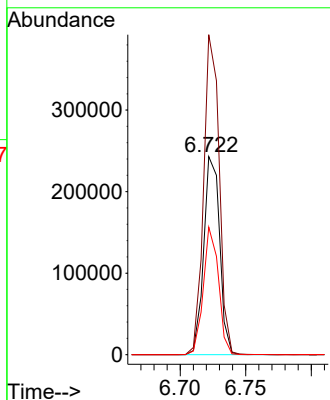
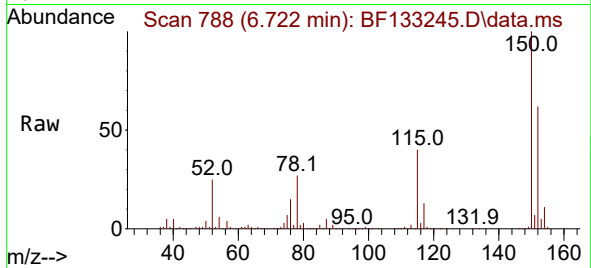




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

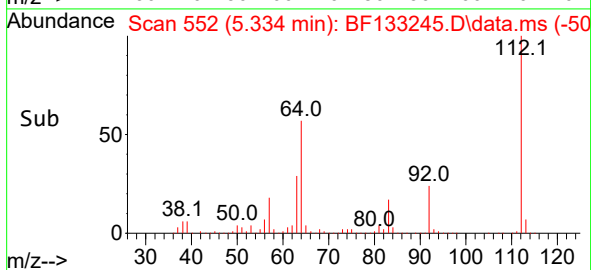
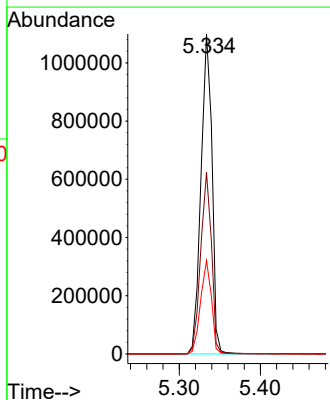
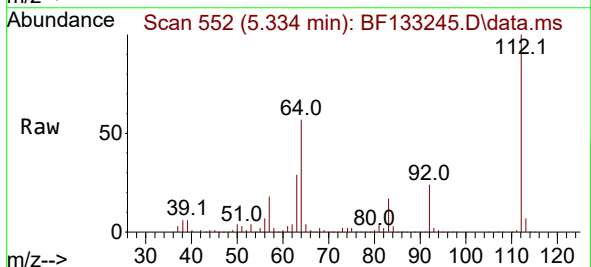
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023

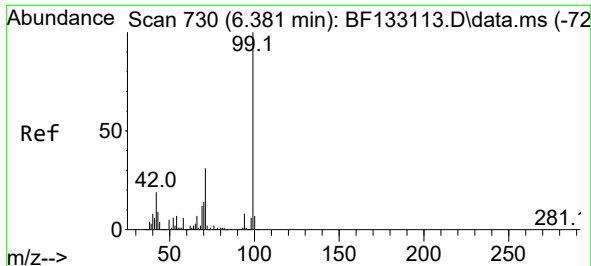
Tgt Ion:152 Resp: 205971
Ion Ratio Lower Upper
152 100
150 161.5 124.8 187.2
115 64.4 49.9 74.9



#5
2-Fluorophenol
Concen: 76.240 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion:112 Resp: 1039533
Ion Ratio Lower Upper
112 100
64 56.7 46.8 70.2
63 29.1 23.8 35.8

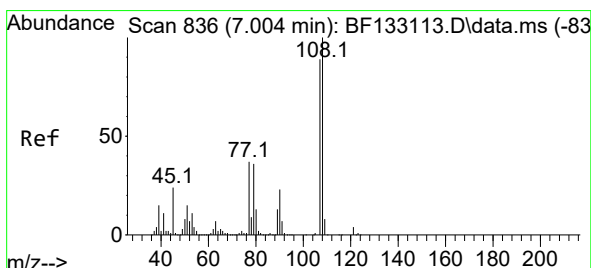
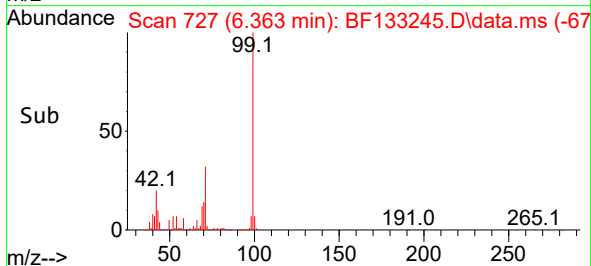
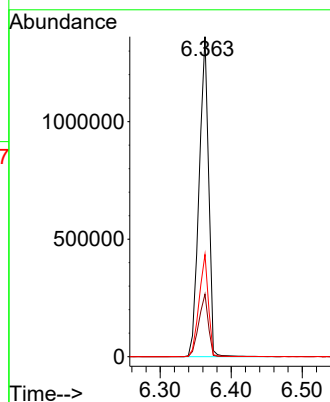
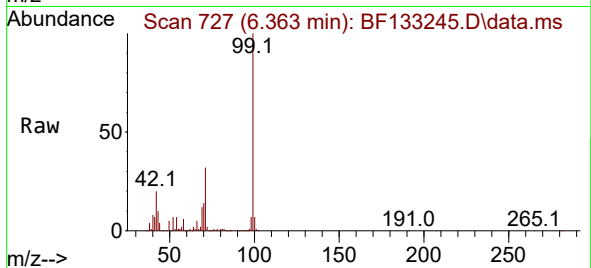




#7
Phenol-d6
Concen: 75.149 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

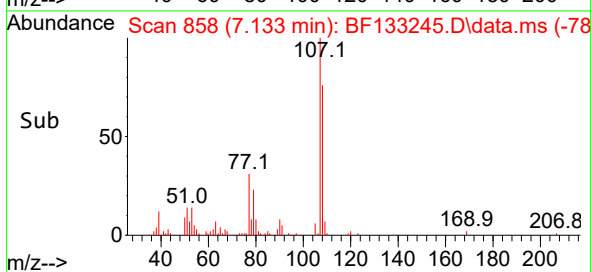
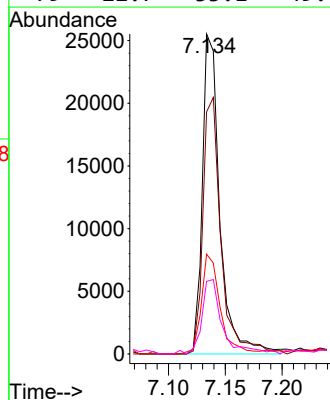
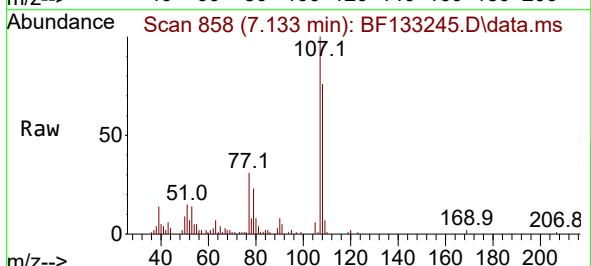
Instrument :
BNA_F
ClientSampleId :
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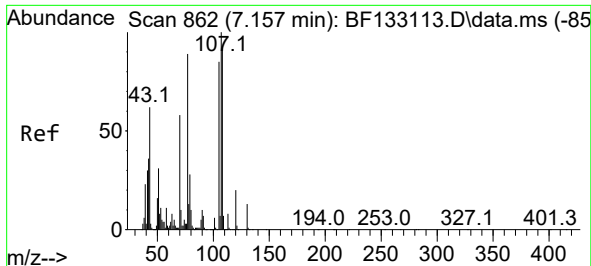
Tgt Ion: 99 Resp: 1271804
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 32.0 25.6 38.4



#17
2-Methylphenol
Concen: 2.166 ng
RT: 7.133 min Scan# 858
Delta R.T. 0.141 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion: 107 Resp: 27452
Ion Ratio Lower Upper
107 100
108 75.7 92.4 138.6#
77 31.2 33.8 50.8#
79 22.7 33.1 49.7#

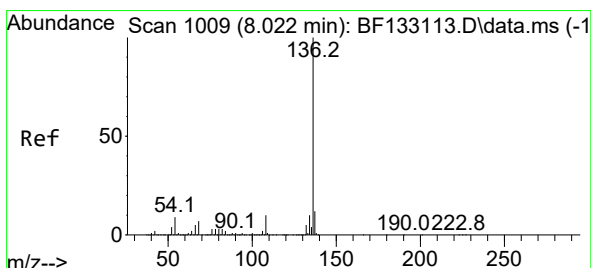
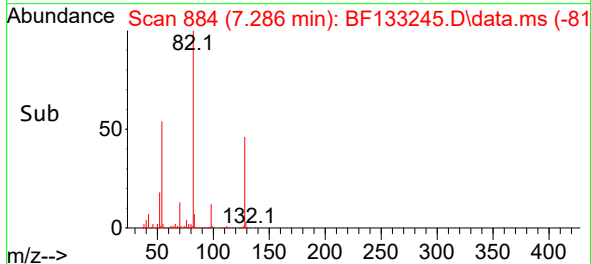
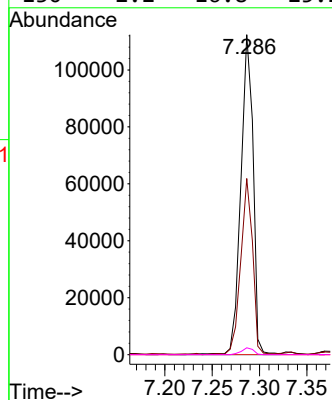
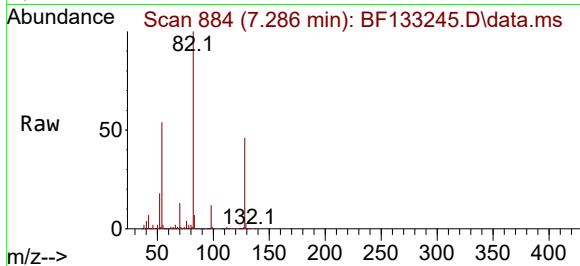




#19
n-Nitroso-di-n-propylamine
Concen: 9.591 ng
RT: 7.286 min Scan# 81
Delta R.T. 0.135 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

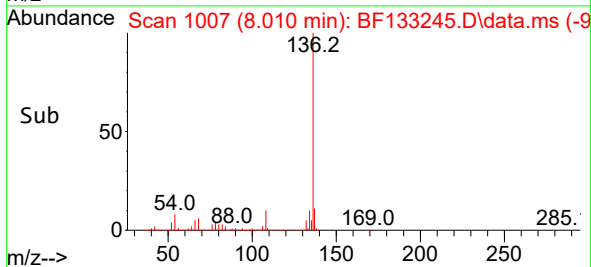
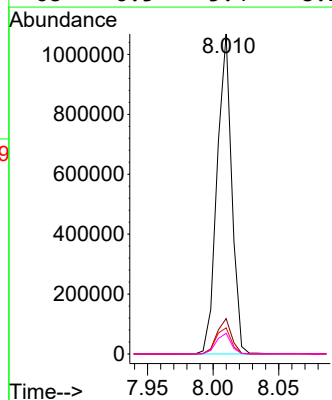
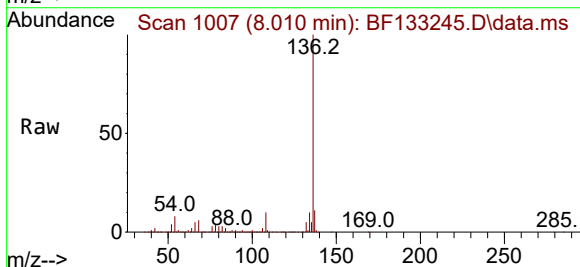
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023

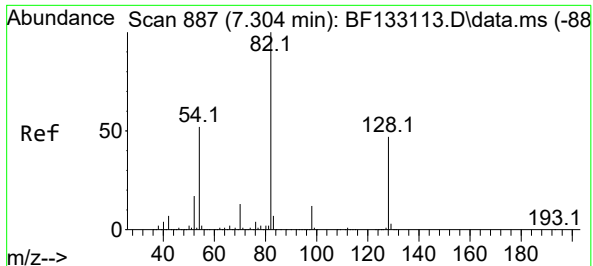
Tgt Ion: 70 Resp: 101046
Ion Ratio Lower Upper
70 100
42 55.1 51.8 77.6
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion: 136 Resp: 829610
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.2 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 49.502 ng

RT: 7.286 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

Instrument :

BNA_F

ClientSampleId :

ZONE-D-6-9-05022023

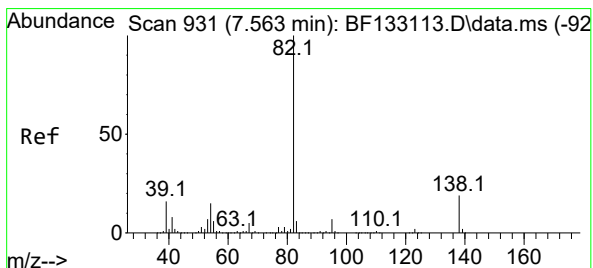
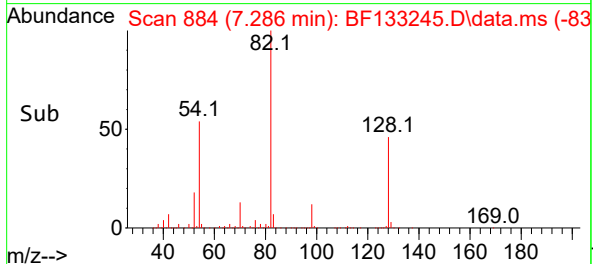
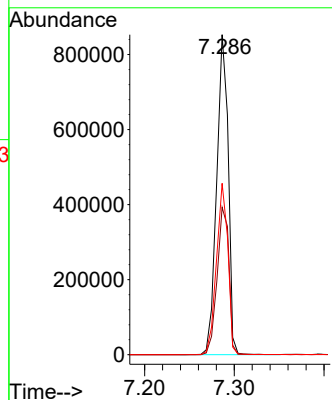
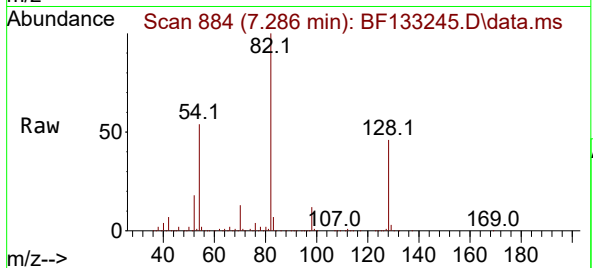
Tgt Ion: 82 Resp: 760836

Ion Ratio Lower Upper

82 100

128 46.1 37.7 56.5

54 53.5 43.0 64.4



#25

Isophorone

Concen: 25.971 ng

RT: 7.286 min Scan# 884

Delta R.T. -0.271 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

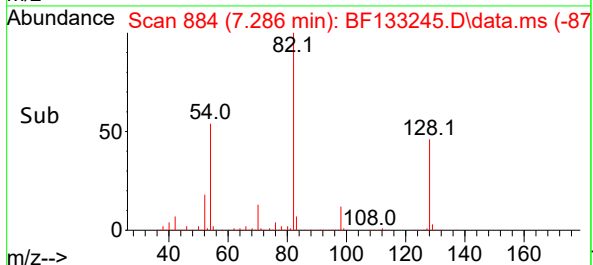
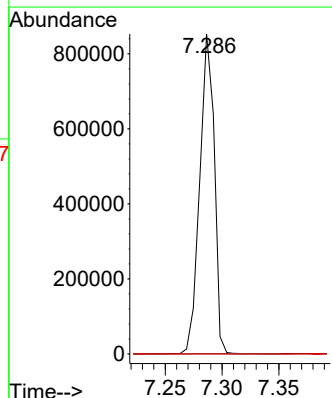
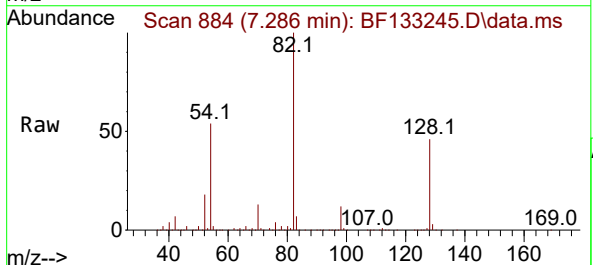
Tgt Ion: 82 Resp: 757892

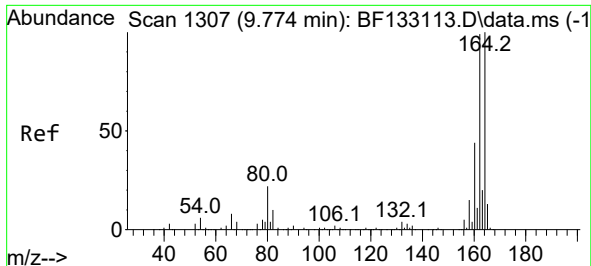
Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

138 0.0 16.0 24.0#

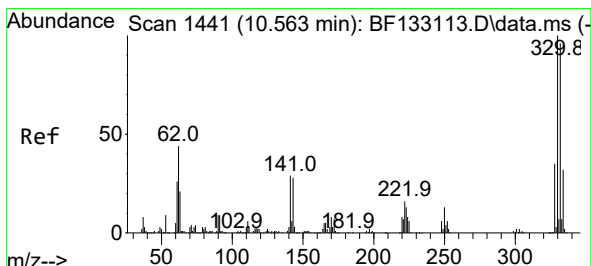
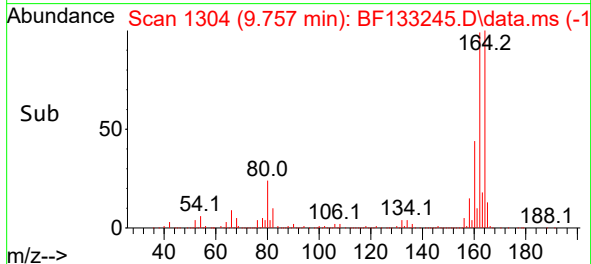
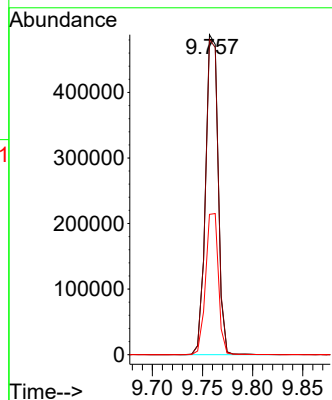
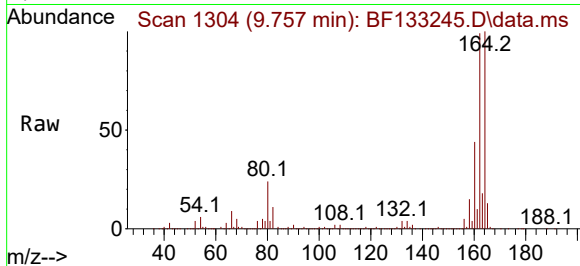




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

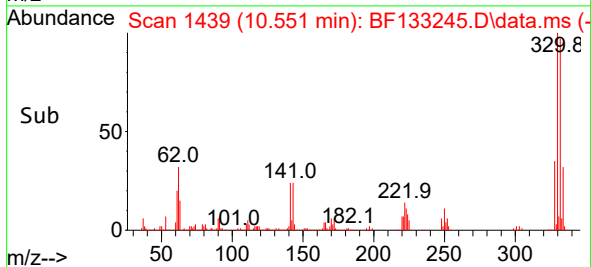
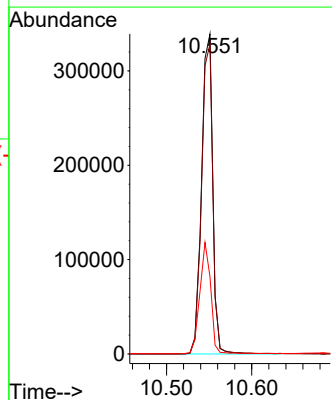
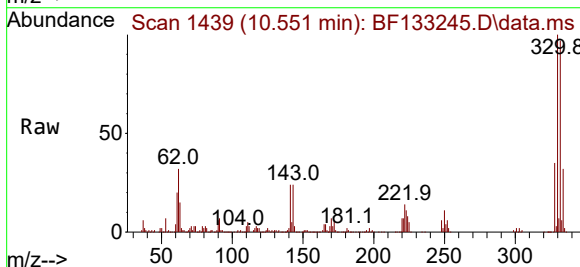
Instrument :
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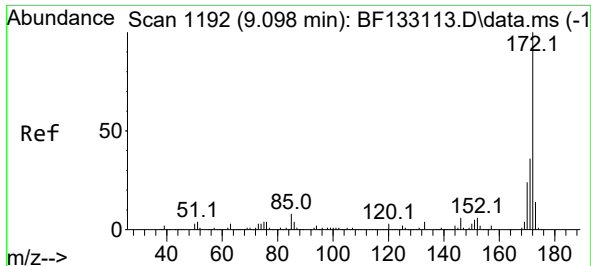
Tgt Ion:164 Resp: 428829
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 43.8 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 71.602 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion:330 Resp: 308799
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 34.0 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 50.522 ng

RT: 9.086 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

Instrument :

BNA_F

ClientSampleId :

ZONE-D-6-9-05022023

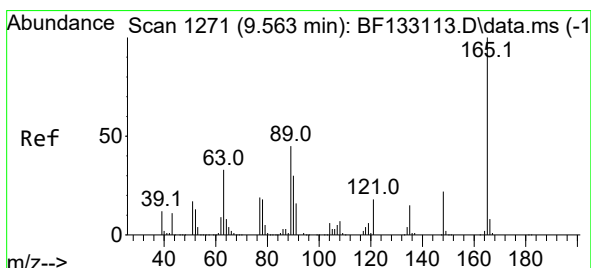
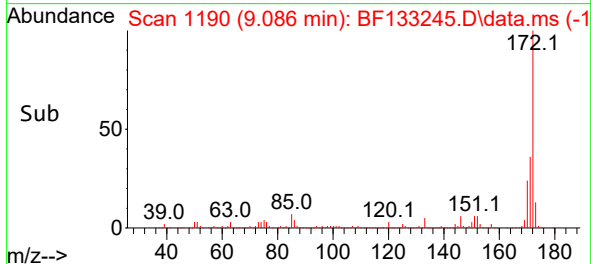
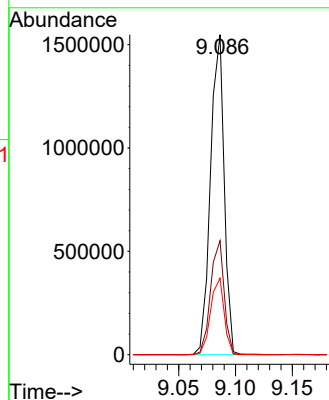
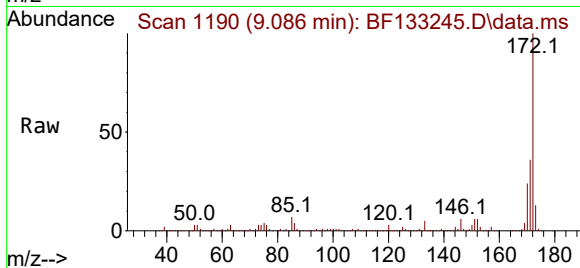
Tgt Ion:172 Resp: 1294988

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.9 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 8.295 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.200 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

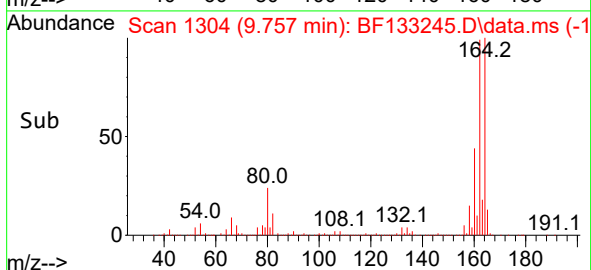
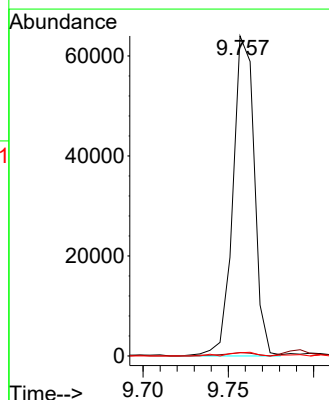
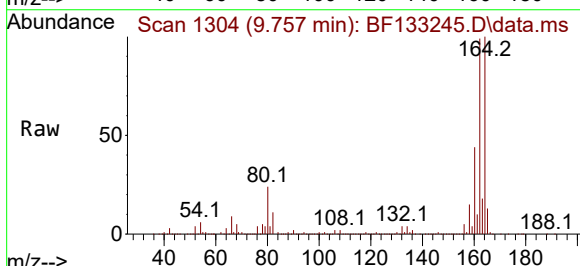
Tgt Ion:165 Resp: 55826

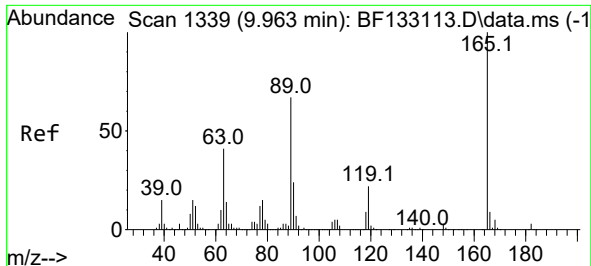
Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.0 44.0 66.0#

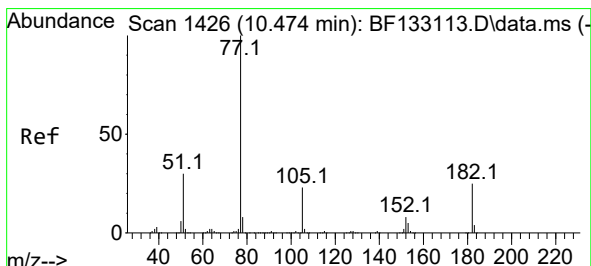
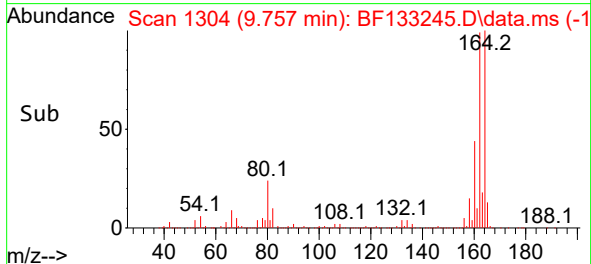
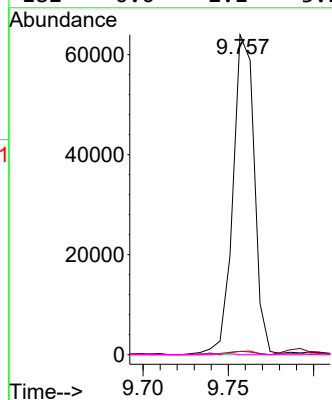
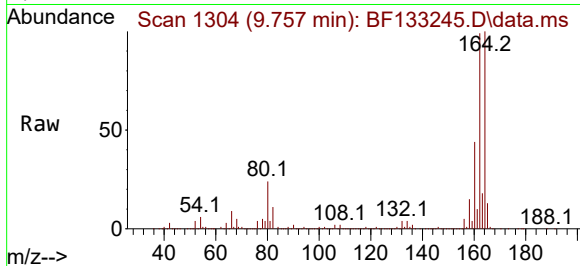




#57
2,4-Dinitrotoluene
Concen: 6.504 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

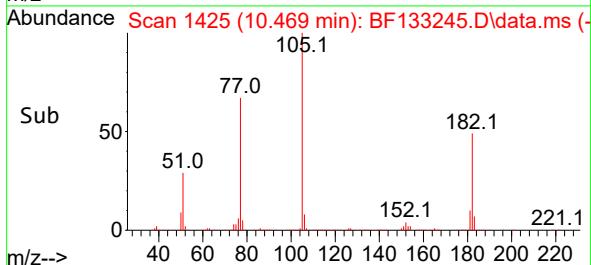
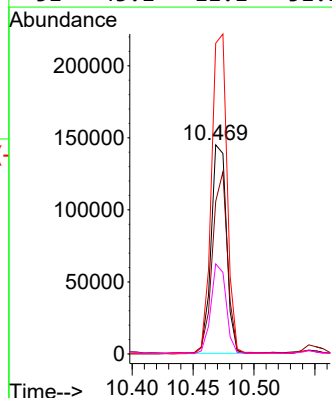
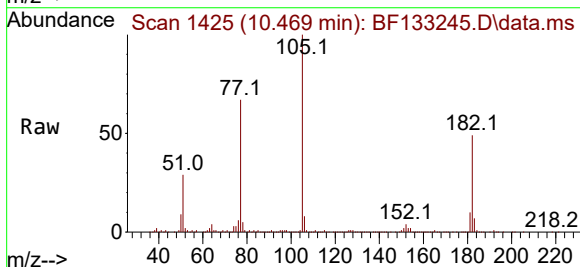
Instrument :
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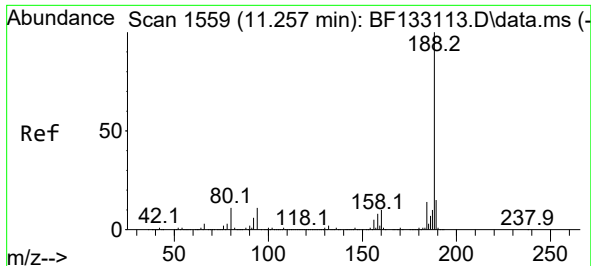
Tgt Ion:165 Resp: 55826
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.0 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 4.272 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion: 77 Resp: 127823
Ion Ratio Lower Upper
77 100
182 73.0 5.9 45.9#
105 148.6 2.3 42.3#
51 43.1 11.1 51.1

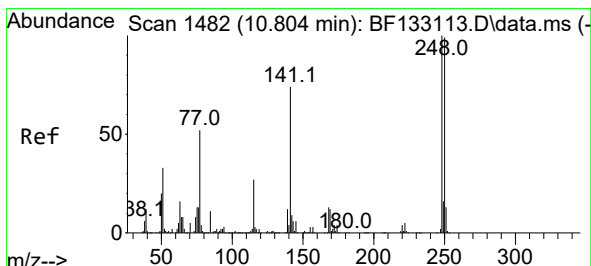
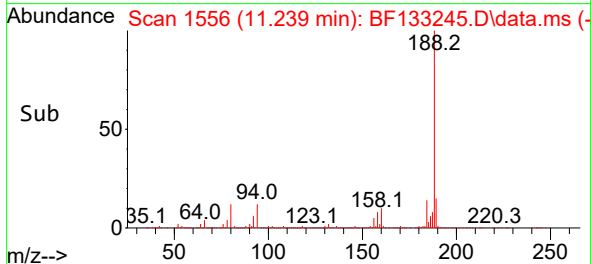
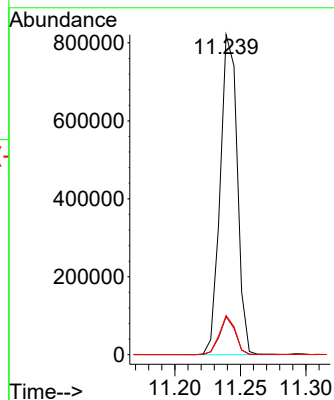
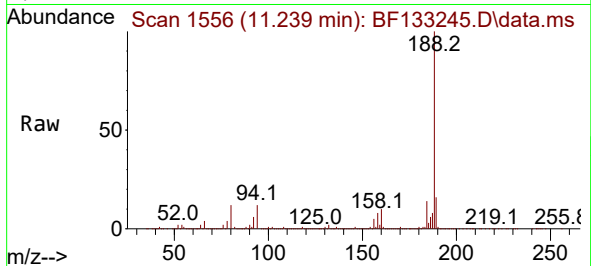




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

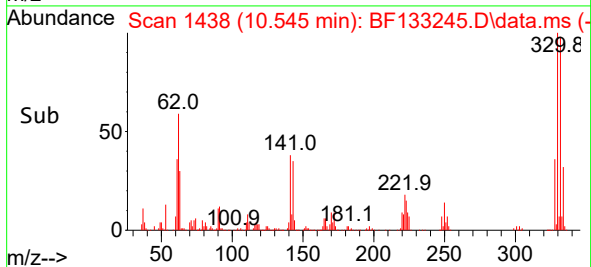
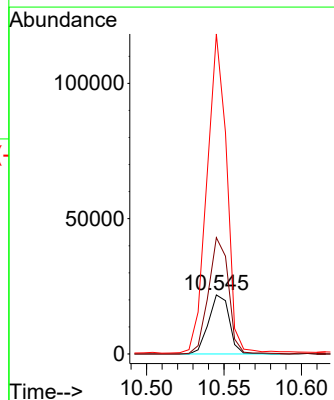
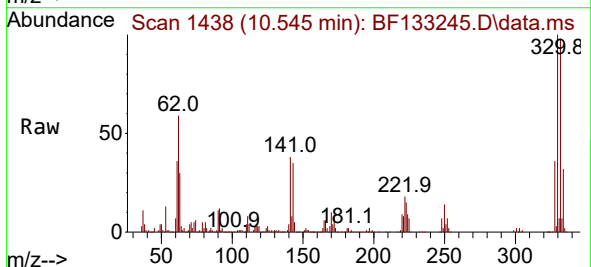
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023

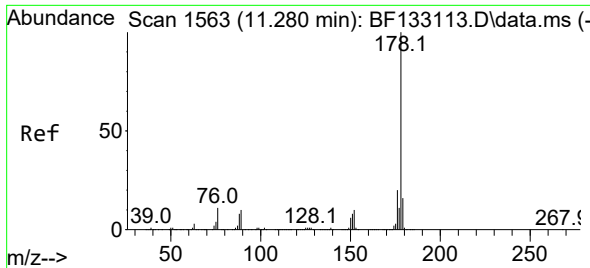
Tgt Ion:188 Resp: 742772
Ion Ratio Lower Upper
188 100
94 11.9 9.7 14.5
80 12.2 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 2.517 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.253 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion:248 Resp: 20276
Ion Ratio Lower Upper
248 100
250 196.8 78.7 118.1#
141 541.7 56.3 84.5#

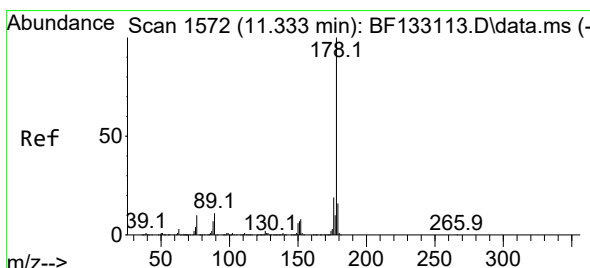
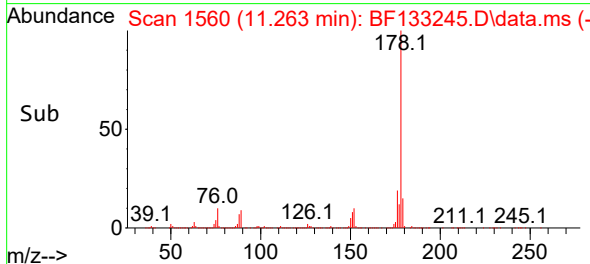
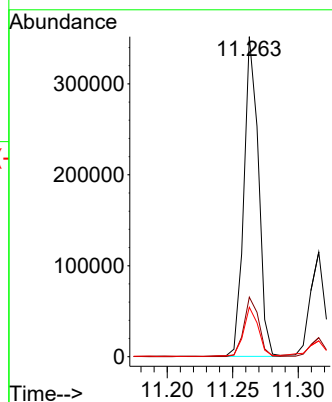
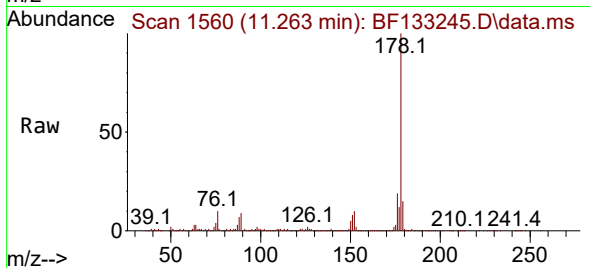




#71
Phenanthrene
Concen: 6.813 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

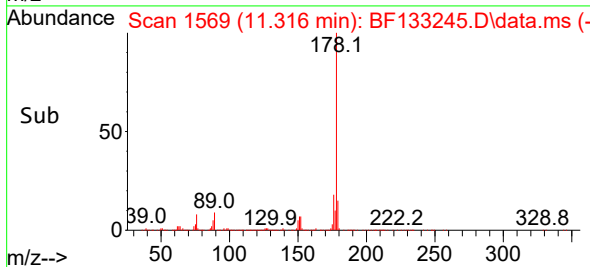
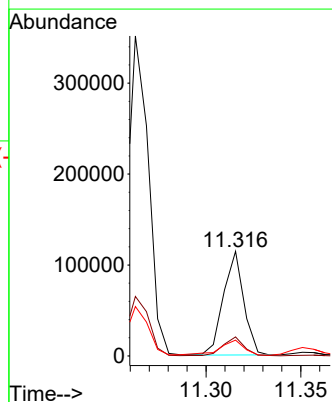
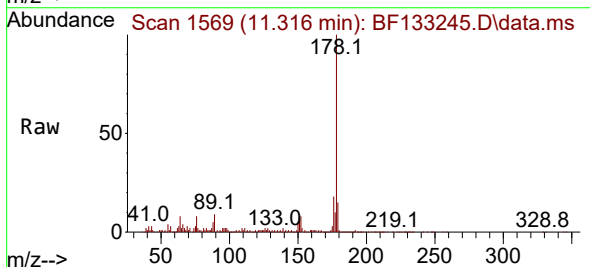
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023

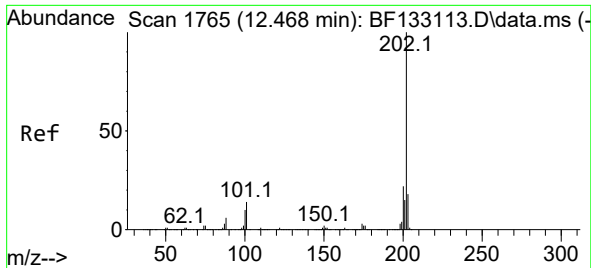
Tgt Ion:178 Resp: 271995
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.4 12.5 18.7



#72
Anthracene
Concen: 2.095 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion:178 Resp: 85578
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.1 12.4 18.6

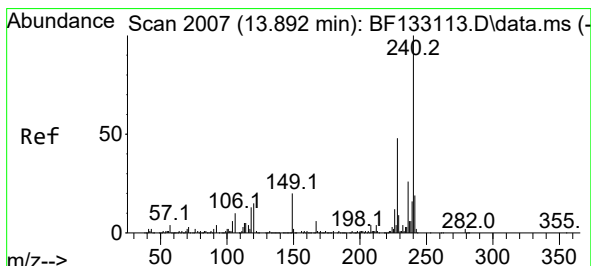
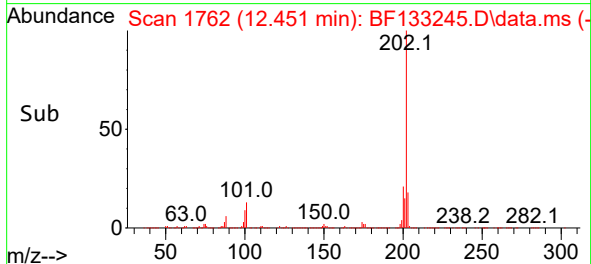
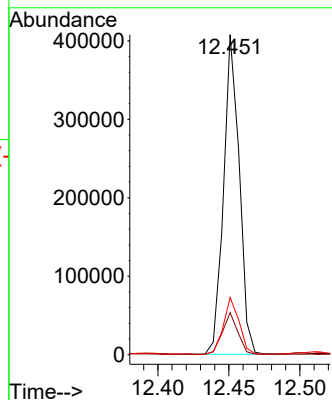
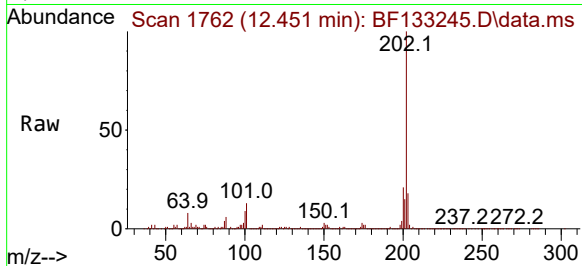




#75
Fluoranthene
Concen: 7.794 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

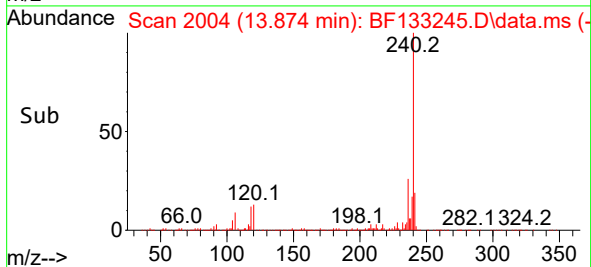
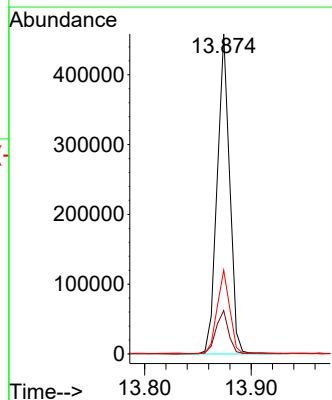
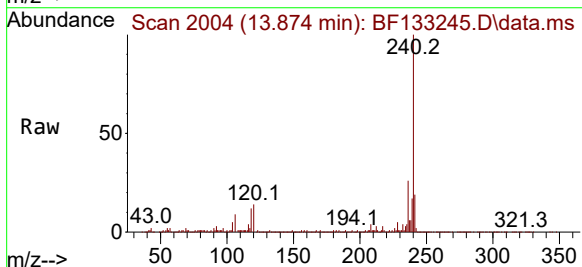
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023

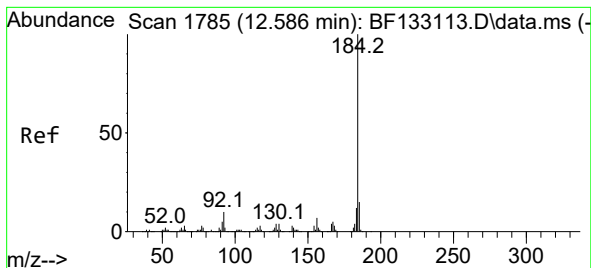
Tgt Ion:202 Resp: 312260
Ion Ratio Lower Upper
202 100
101 13.2 0.0 35.3
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion:240 Resp: 372466
Ion Ratio Lower Upper
240 100
120 13.6 10.5 15.7
236 26.2 21.5 32.3





#77

Benzidine

Concen: 2.205 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.247 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

Instrument :

BNA_F

ClientSampleId :

ZONE-D-6-9-05022023

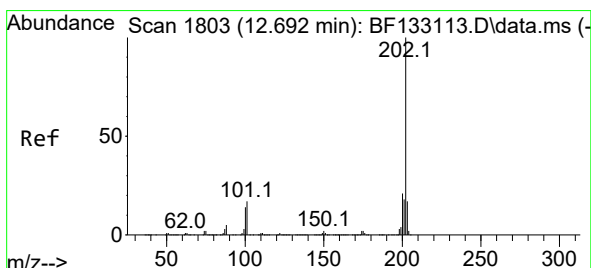
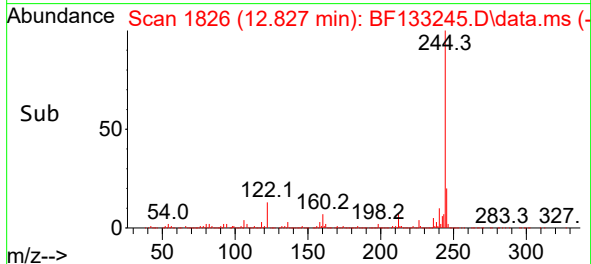
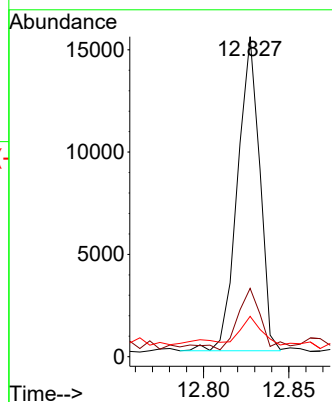
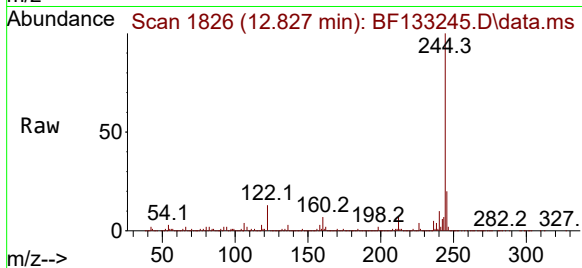
Tgt Ion:184 Resp: 13889

Ion Ratio Lower Upper

184 100

185 21.4 15.4 23.2

183 12.6 9.4 14.0



#78

Pyrene

Concen: 7.465 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

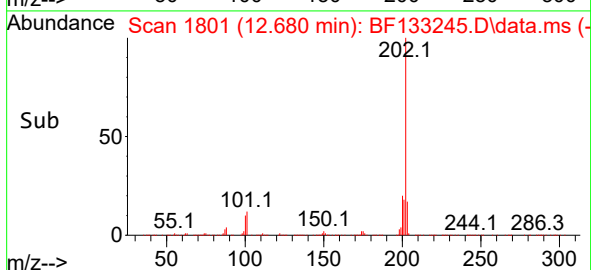
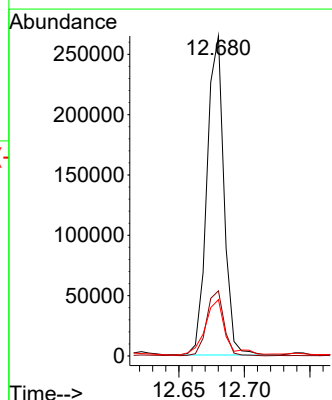
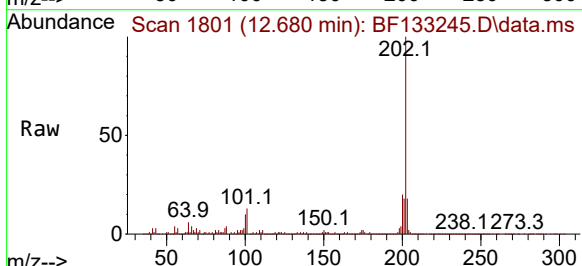
Tgt Ion:202 Resp: 238348

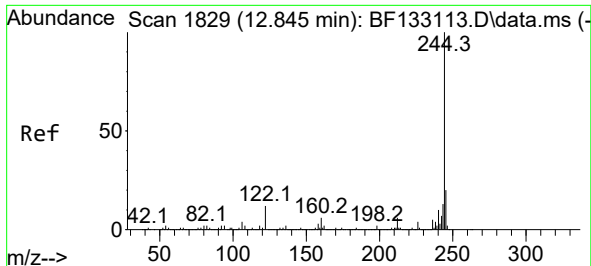
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 17.6 14.1 21.1

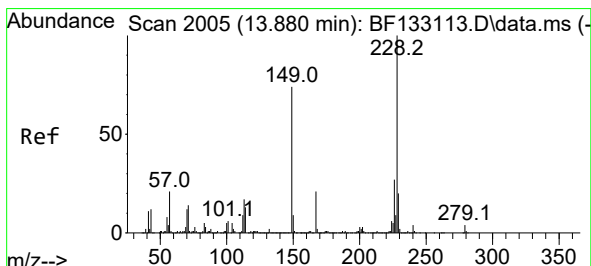
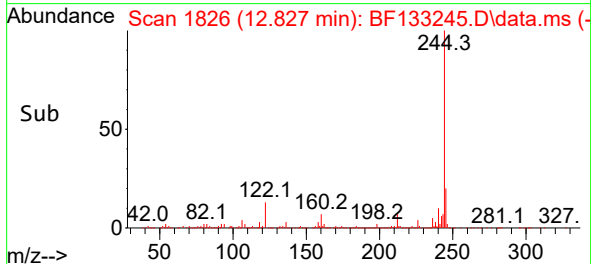
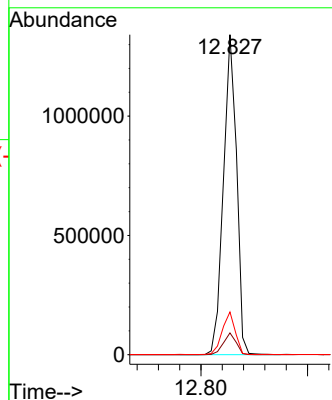
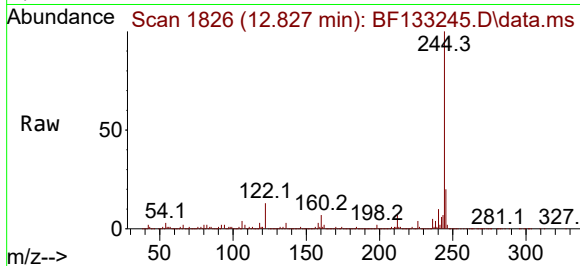




#79
 Terphenyl-d14
 Concen: 52.959 ng
 RT: 12.827 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133245.D
 Acq: 04 May 2023 22:39

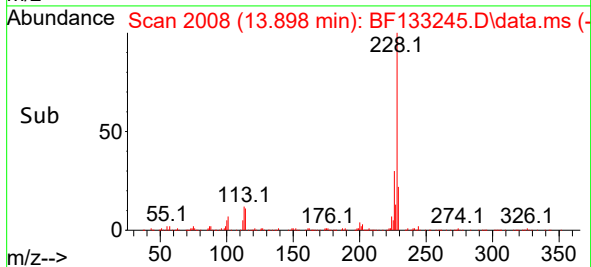
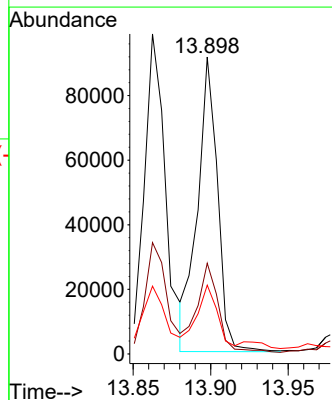
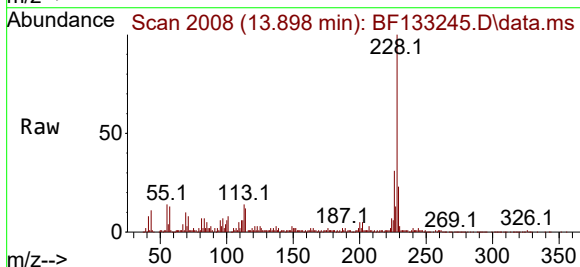
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-6-9-05022023

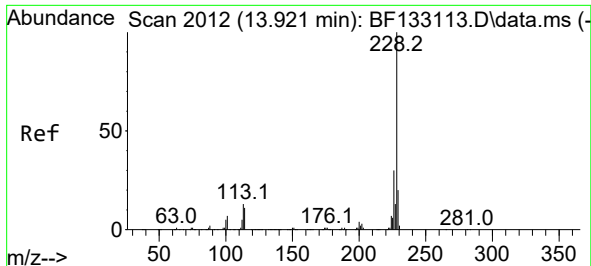
Tgt Ion:244 Resp: 1143725
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 13.4 8.6 13.0#



#81
 Benzo(a)anthracene
 Concen: 3.207 ng
 RT: 13.898 min Scan# 2008
 Delta R.T. 0.023 min
 Lab File: BF133245.D
 Acq: 04 May 2023 22:39

Tgt Ion:228 Resp: 82132
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.2 33.4
 229 23.2 16.0 24.0

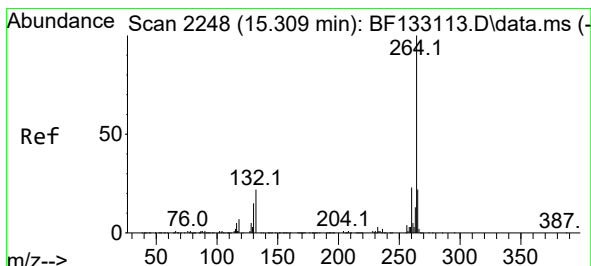
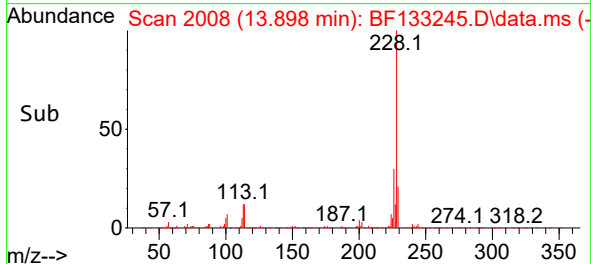
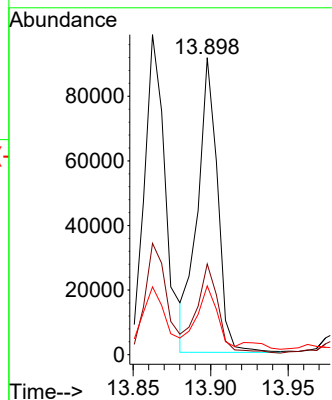
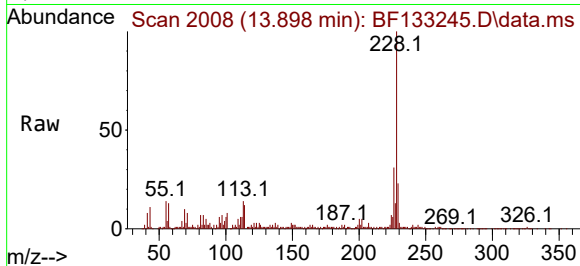




#83
Chrysene
Concen: 3.207 ng
RT: 13.898 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

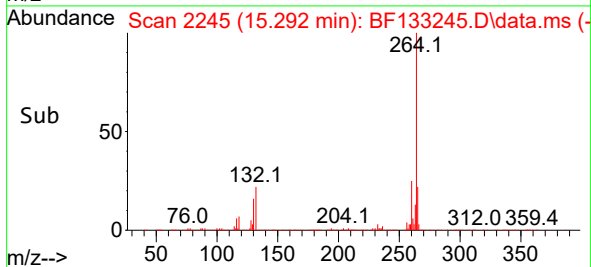
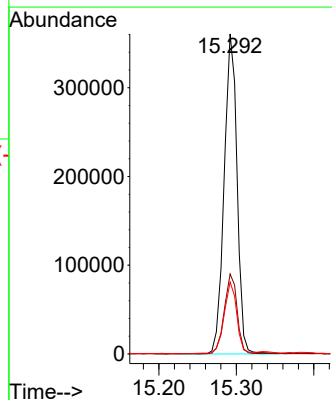
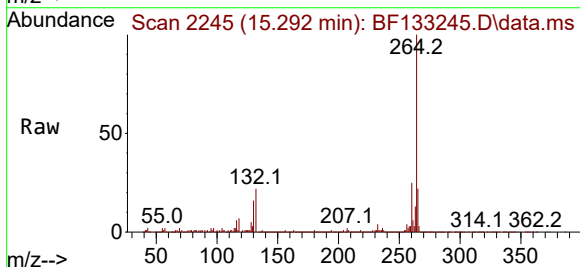
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023

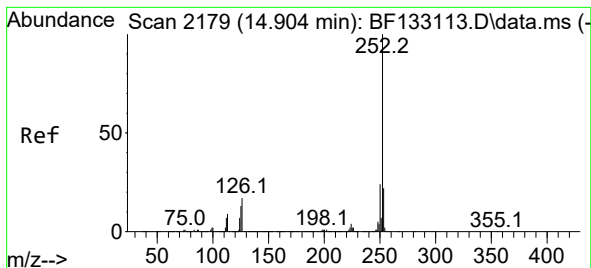
Tgt Ion:228 Resp: 82132
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 23.2 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion:264 Resp: 417443
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.5 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 5.169 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.012 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

Instrument :

BNA_F

ClientSampleId :

ZONE-D-6-9-05022023

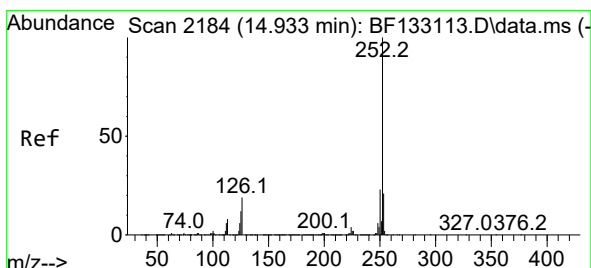
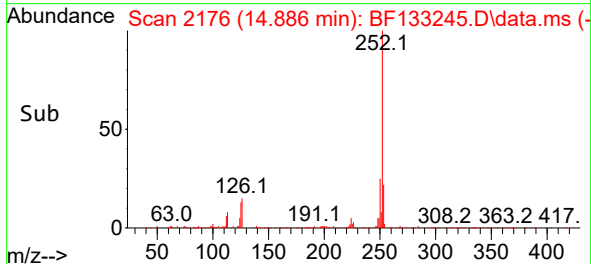
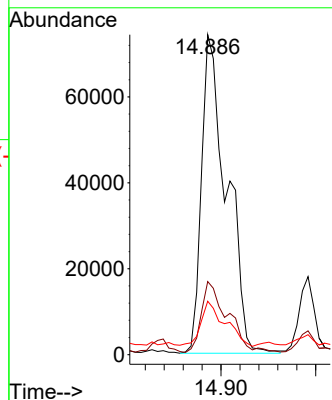
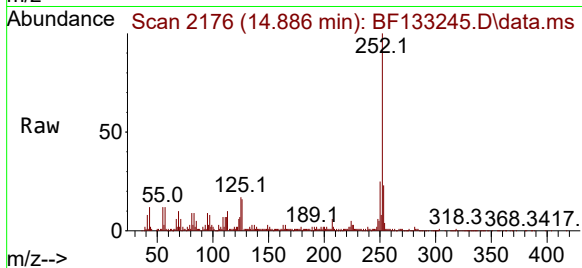
Tgt Ion:252 Resp: 137275

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 16.7 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 5.214 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.041 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

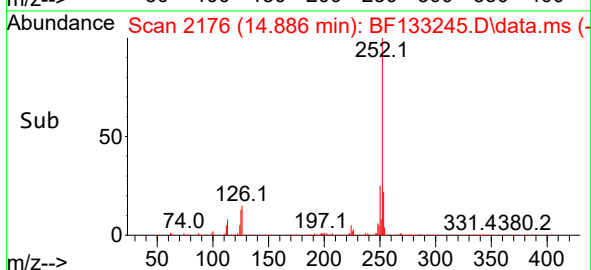
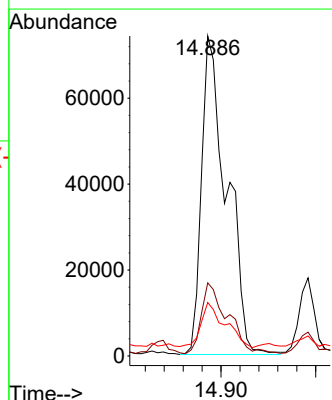
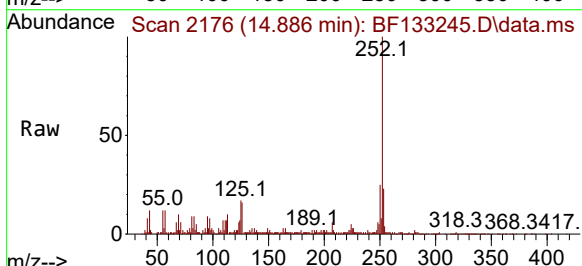
Tgt Ion:252 Resp: 137275

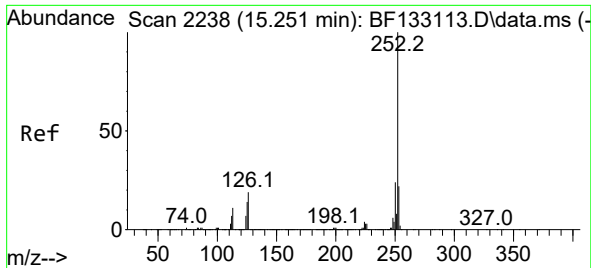
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

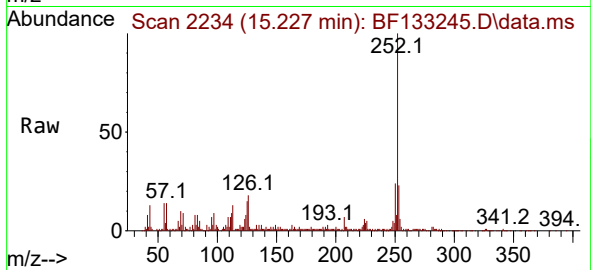
125 16.7 9.0 13.4#





#90
Benzo(a)pyrene
Concen: 3.297 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023



Tgt Ion:252 Resp: 79702
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 14.9 10.5 15.7

