

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133717.D
 Acq On : 12 Jun 2023 22:20
 Operator : CG\JU
 Sample : 03044-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-2.0

Quant Time: Jun 12 22:52:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

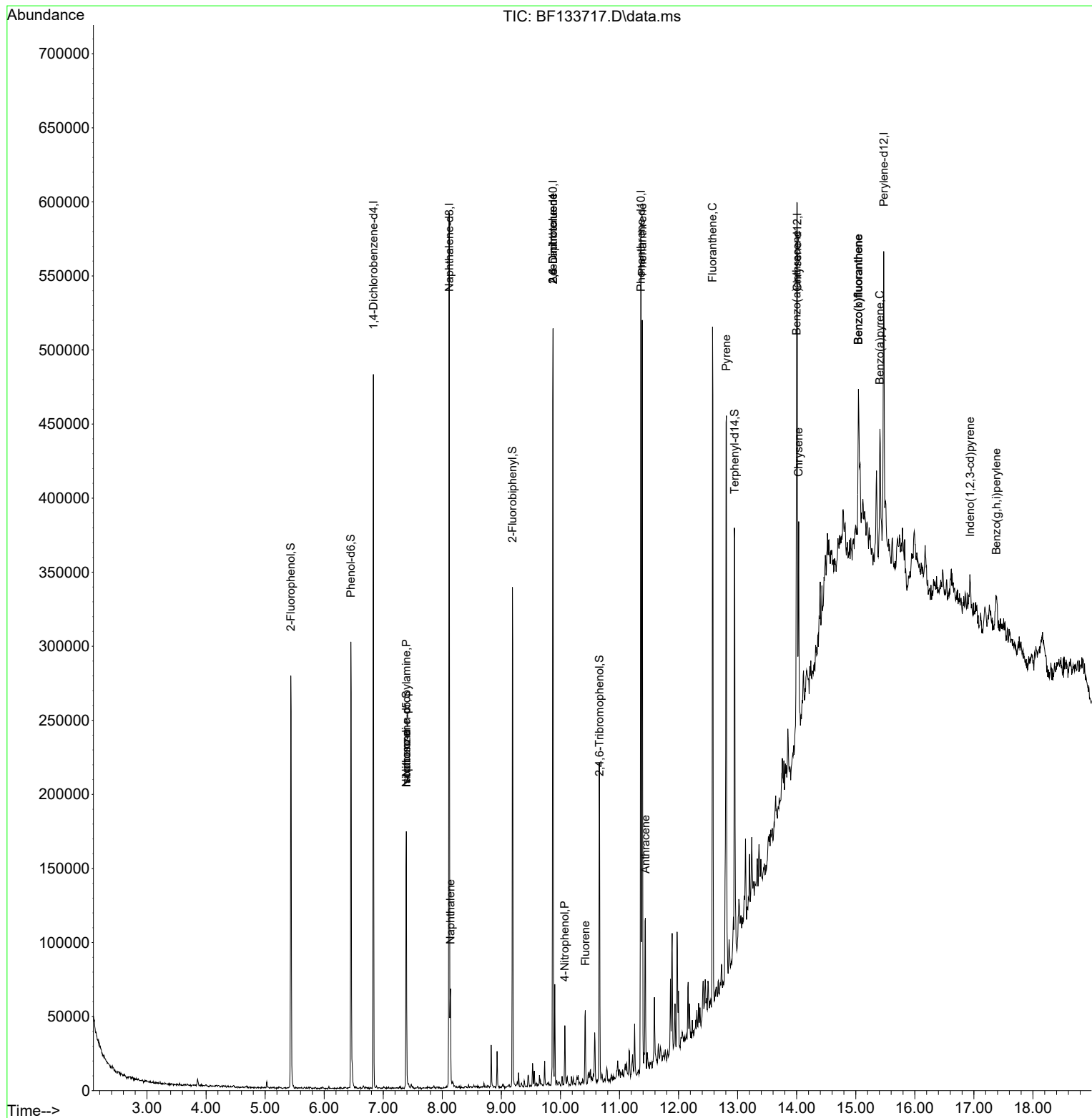
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	60635	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	210485	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	96756	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	184960	20.000	ng	0.00
76) Chrysene-d12	14.010	240	103441	20.000	ng	0.00
86) Perylene-d12	15.474	264	85088	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	70143	20.139	ng	-0.01
7) Phenol-d6	6.451	99	83767	18.477	ng	-0.02
23) Nitrobenzene-d5	7.392	82	48314	12.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	21206	17.314	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	95575	14.042	ng	-0.01
79) Terphenyl-d14	12.951	244	96159	14.384	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.392	70	6933	2.404	ng	# 76
25) Isophorone	7.392	82	48314	6.810	ng	# 65
31) Naphthalene	8.139	128	24074	2.348	ng	99
51) 2,6-Dinitrotoluene	9.875	165	12555	8.422	ng	# 29
56) 4-Nitrophenol	10.075	139	4885	3.990	ng	# 13
57) 2,4-Dinitrotoluene	9.875	165	12555	6.622	ng	# 20
58) Fluorene	10.422	166	13602	2.044	ng	92
71) Phenanthrene	11.386	178	159103	16.955	ng	100
72) Anthracene	11.439	178	40232	4.112	ng	96
75) Fluoranthene	12.574	202	184122	18.477	ng	99
78) Pyrene	12.810	202	165431	17.168	ng	99
81) Benzo(a)anthracene	13.998	228	60699	8.483	ng	96
83) Chrysene	14.033	228	49384	7.297	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	18596	3.177	ng	# 89
88) Benzo(b)fluoranthene	15.045	252	65974	12.764	ng	# 89
89) Benzo(k)fluoranthene	15.045	252	65974	13.103	ng	# 89
90) Benzo(a)pyrene	15.410	252	38272	7.978	ng	# 91
92) Benzo(g,h,i)perylene	17.380	276	20357	4.237	ng	# 89

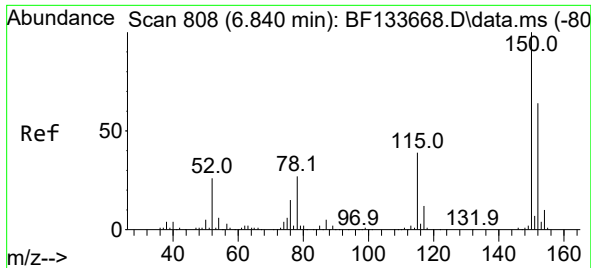
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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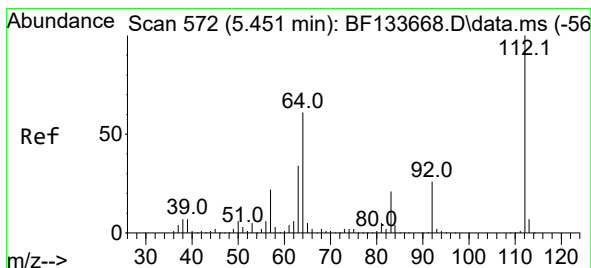
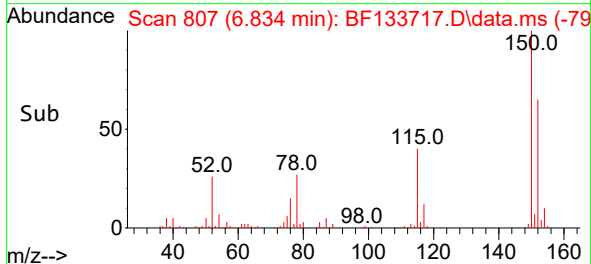
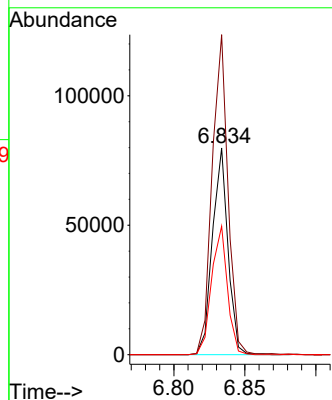
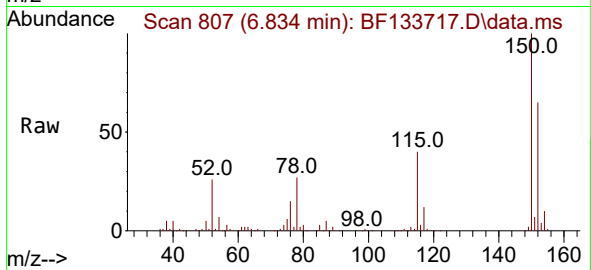




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

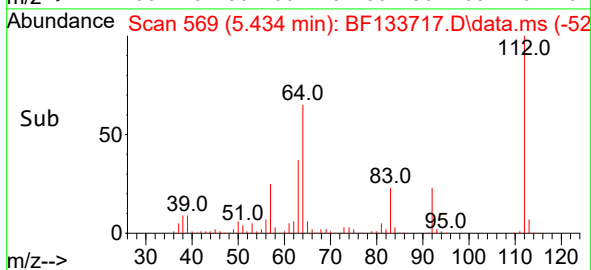
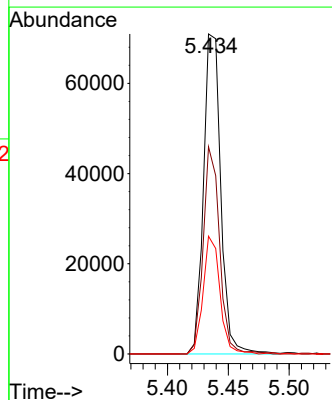
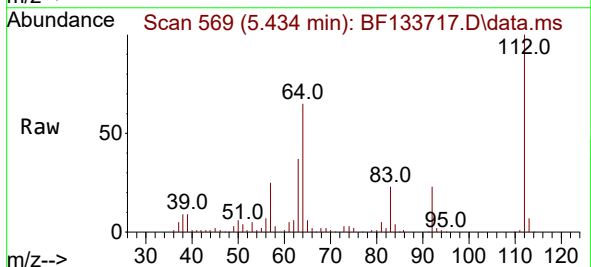
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

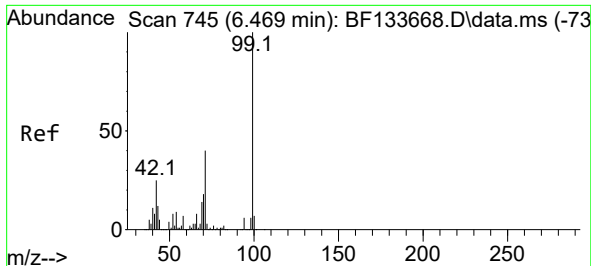
Tgt Ion:152 Resp: 60635
Ion Ratio Lower Upper
152 100
150 154.8 124.3 186.5
115 62.2 48.5 72.7



#5
2-Fluorophenol
Concen: 20.139 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:112 Resp: 70143
Ion Ratio Lower Upper
112 100
64 64.8 49.0 73.4
63 36.8 26.8 40.2

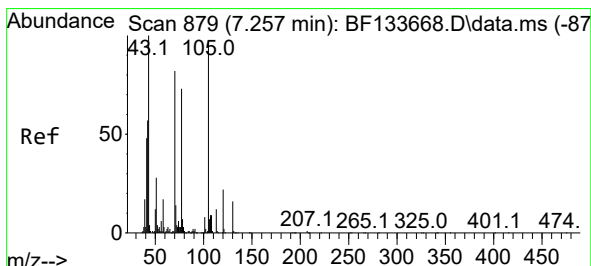
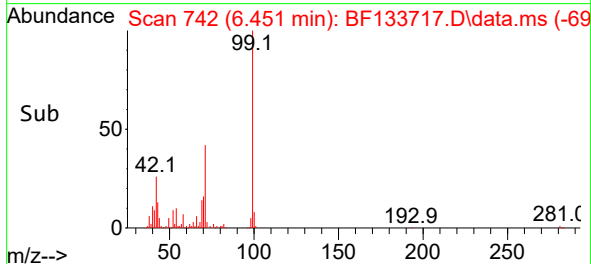
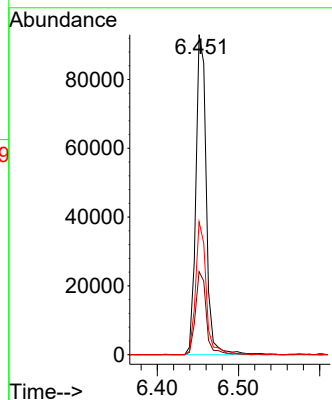
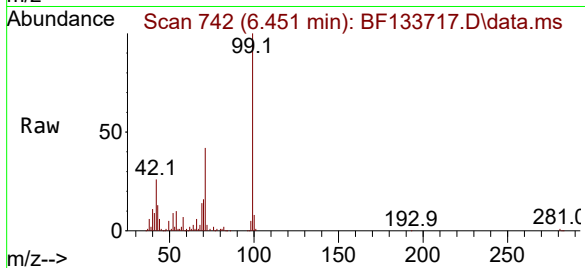




#7
Phenol-d6
Concen: 18.477 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.018 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

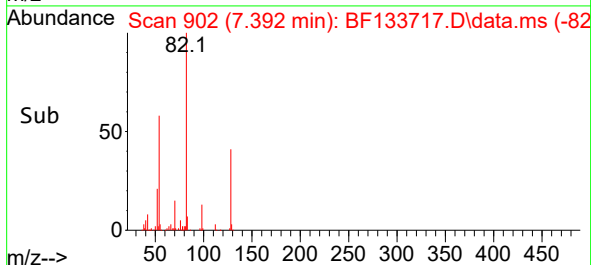
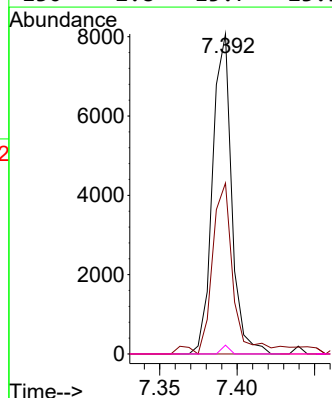
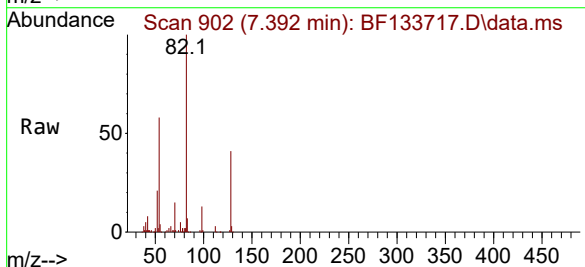
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

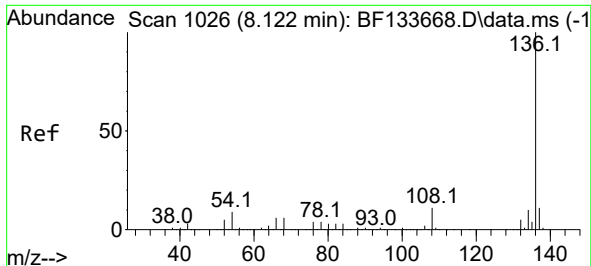
Tgt Ion: 99 Resp: 83767
Ion Ratio Lower Upper
99 100
42 26.0 19.9 29.9
71 41.6 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.404 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

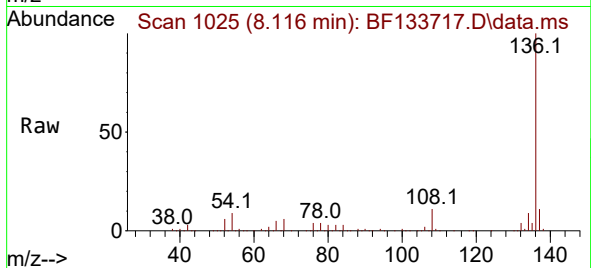
Tgt Ion: 70 Resp: 6933
Ion Ratio Lower Upper
70 100
42 53.4 55.8 83.8#
101 0.0 8.1 12.1#
130 2.8 15.7 23.5#



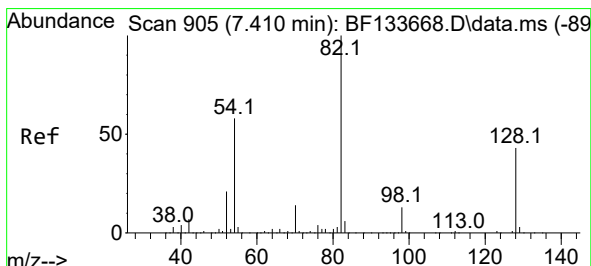
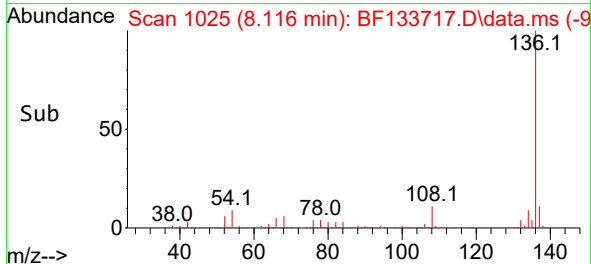
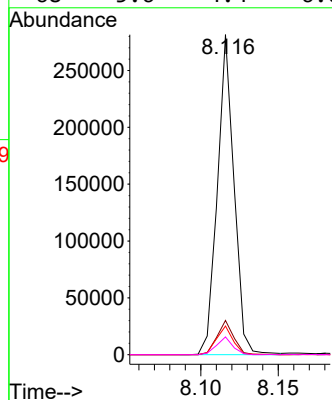


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

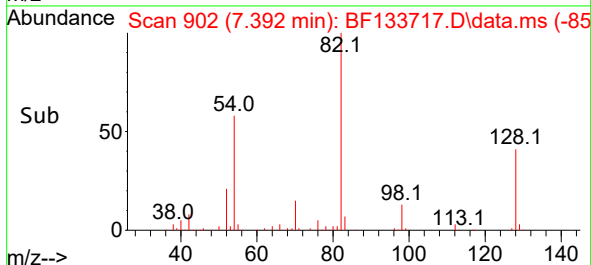
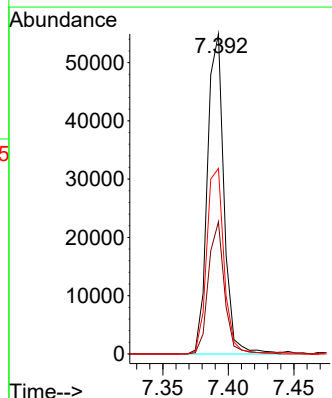
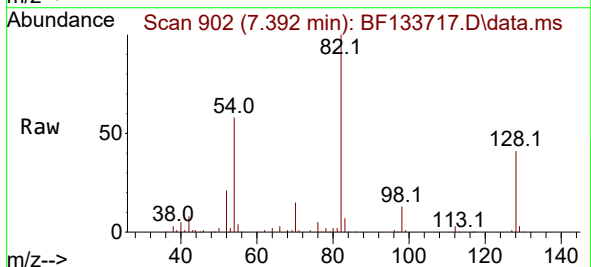


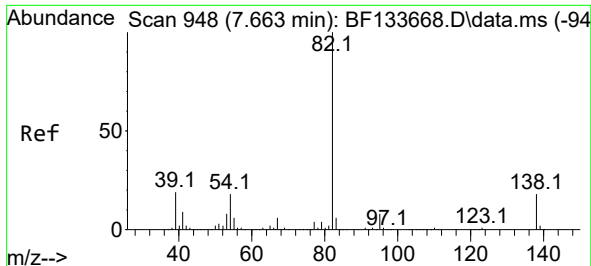
Tgt Ion:136 Resp: 210485
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.9 7.4 11.0
68 5.6 4.4 6.6



#23
Nitrobenzene-d5
Concen: 12.502 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion: 82 Resp: 48314
Ion Ratio Lower Upper
82 100
128 41.3 34.2 51.2
54 58.0 46.5 69.7

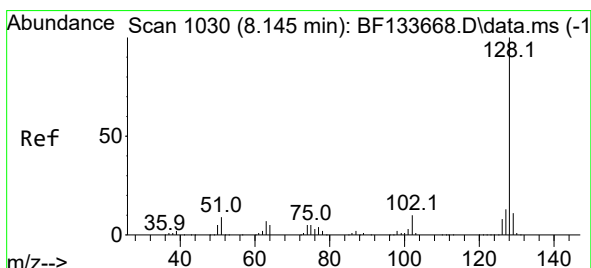
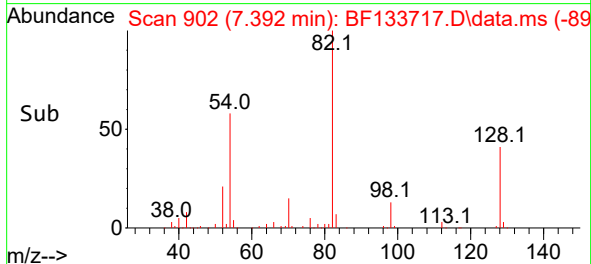
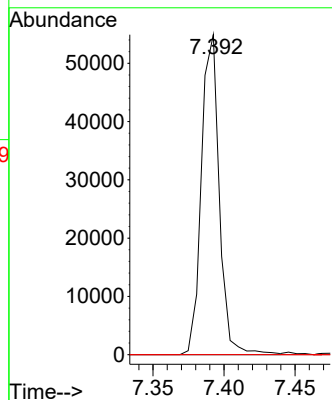
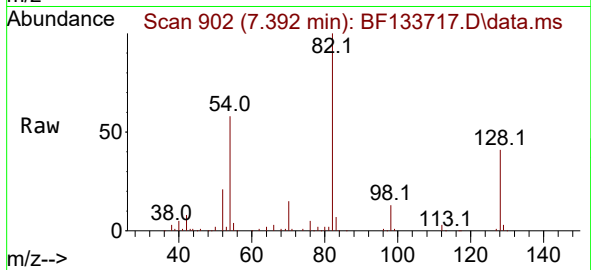




#25
Isophorone
Concen: 6.810 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

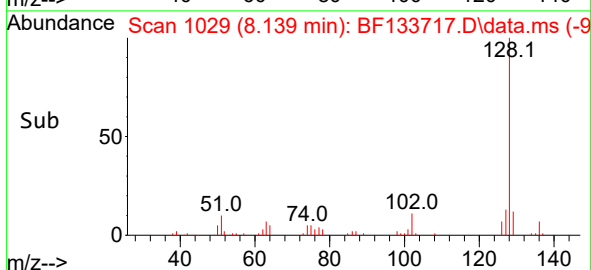
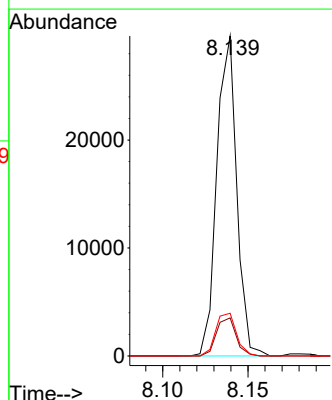
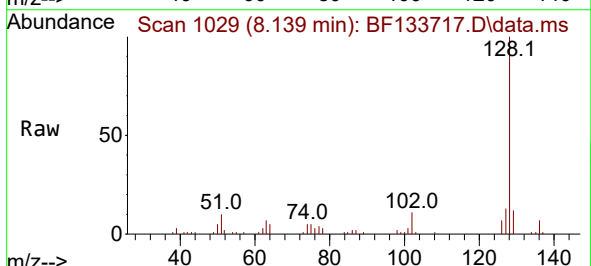
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

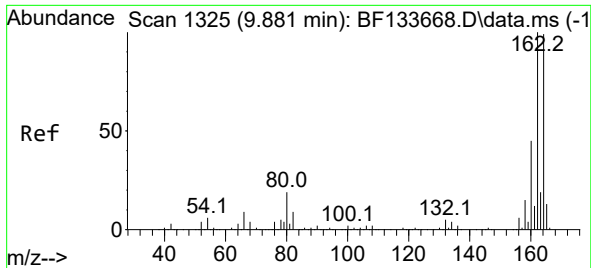
Tgt Ion: 82 Resp: 48314
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 2.348 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion: 128 Resp: 24074
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 13.4 10.5 15.7

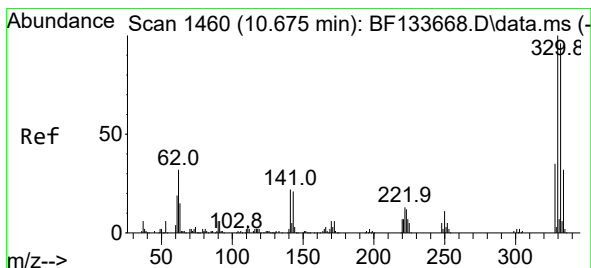
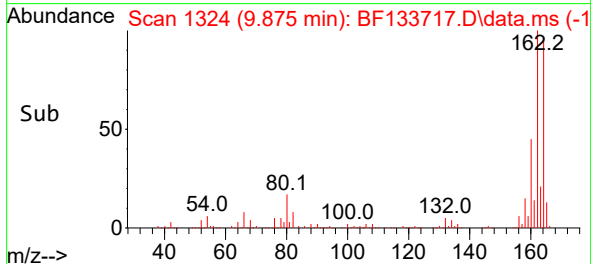
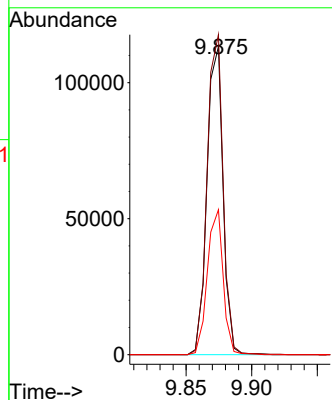
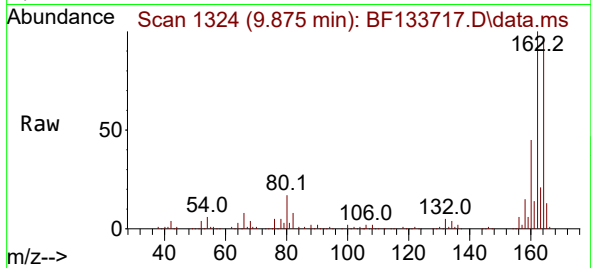




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

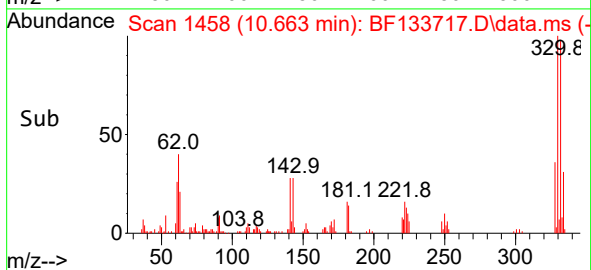
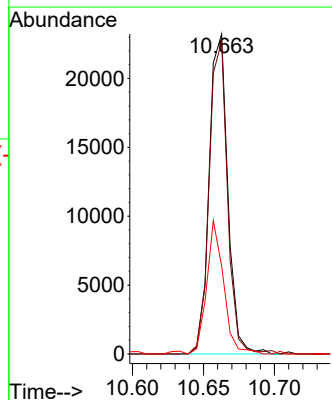
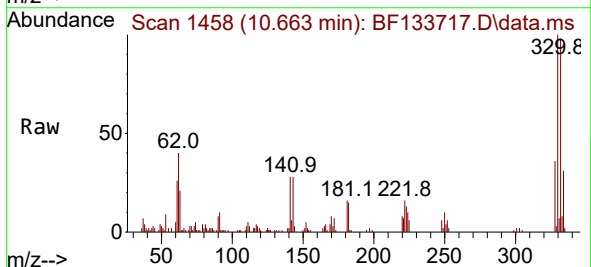
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ClientSampleId :
SB-03-0-2.0

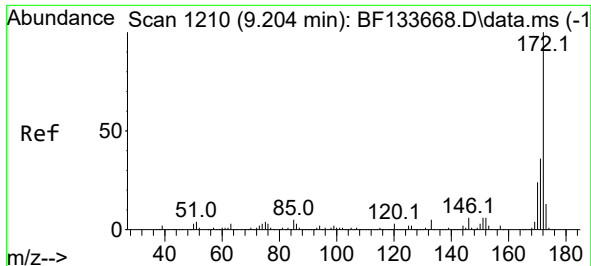
Tgt Ion:164 Resp: 96756
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 47.1 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 17.314 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:330 Resp: 21206
Ion Ratio Lower Upper
330 100
332 95.7 77.2 115.8
141 38.3 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 14.042 ng

RT: 9.186 min Scan# 1324

Delta R.T. -0.012 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

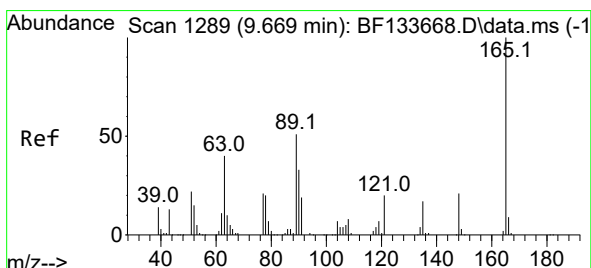
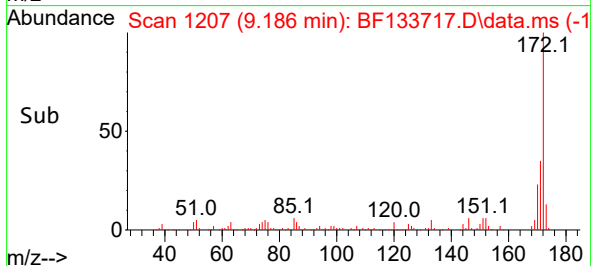
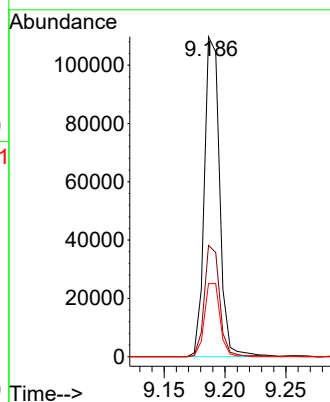
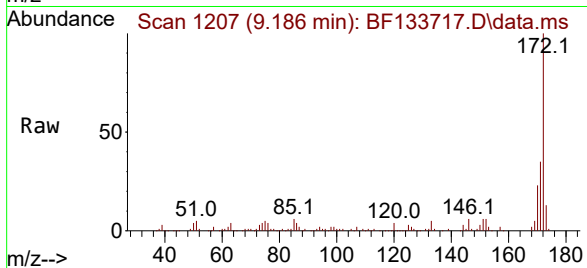
Tgt Ion:172 Resp: 95575

Ion Ratio Lower Upper

172 100

171 34.8 28.6 43.0

170 22.8 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.422 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.212 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

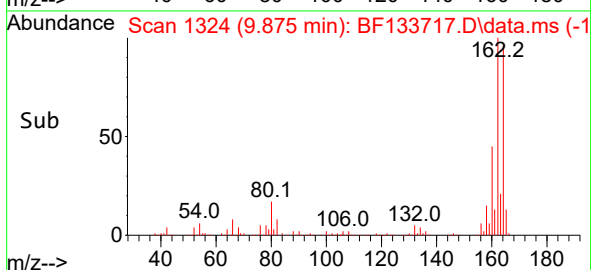
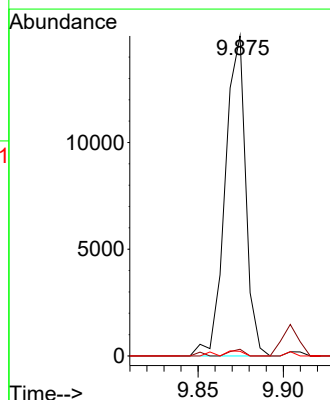
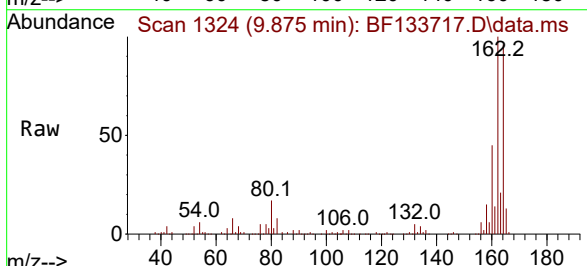
Tgt Ion:165 Resp: 12555

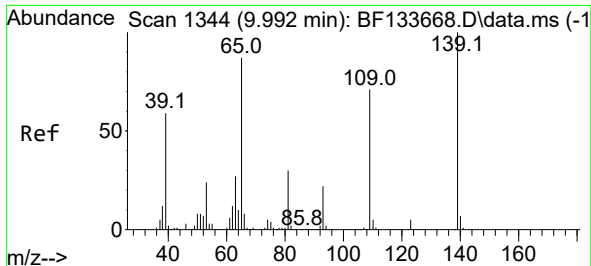
Ion Ratio Lower Upper

165 100

63 2.1 42.1 63.1#

89 1.4 40.9 61.3#

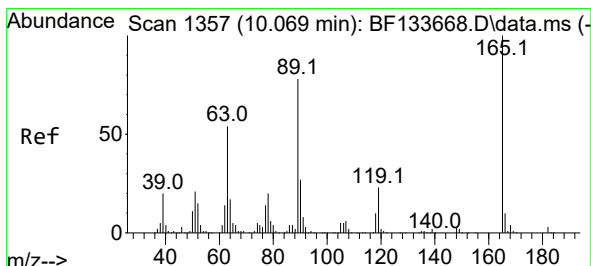
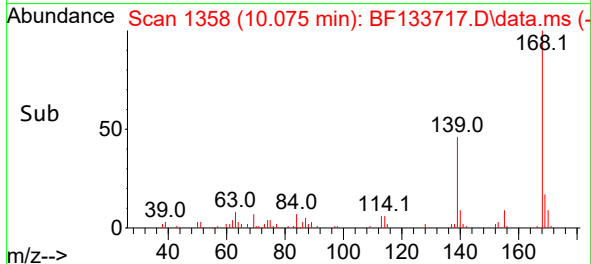
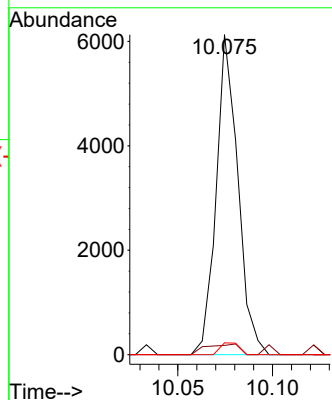
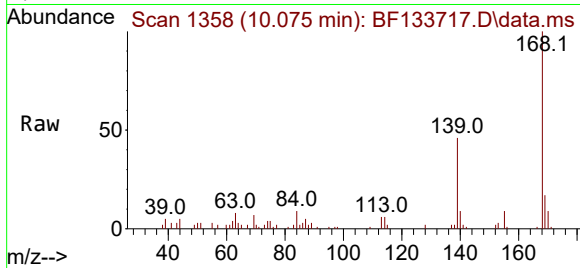




#56
4-Nitrophenol
Concen: 3.990 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

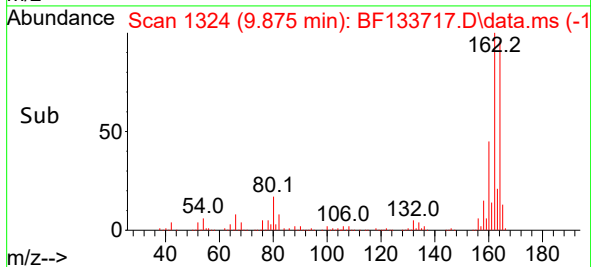
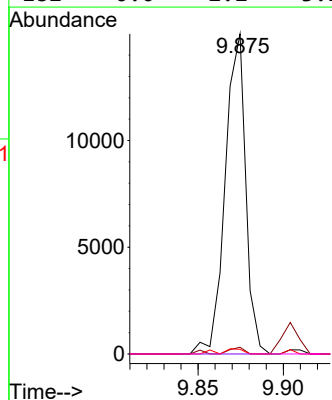
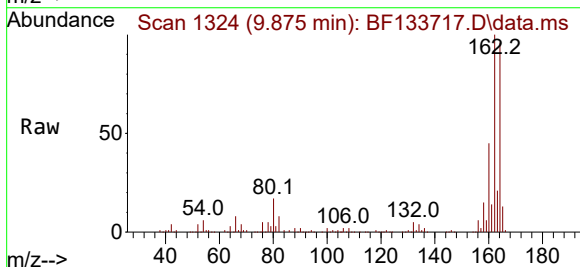
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

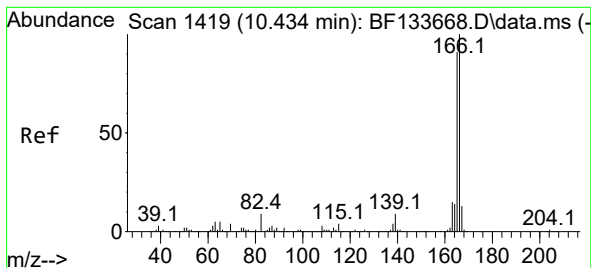
Tgt Ion:139 Resp: 4885
Ion Ratio Lower Upper
139 100
109 2.9 50.7 90.7#
65 3.7 67.1 107.1#



#57
2,4-Dinitrotoluene
Concen: 6.622 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:165 Resp: 12555
Ion Ratio Lower Upper
165 100
63 2.1 43.0 64.6#
89 1.4 62.6 93.8#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.044 ng

RT: 10.422 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

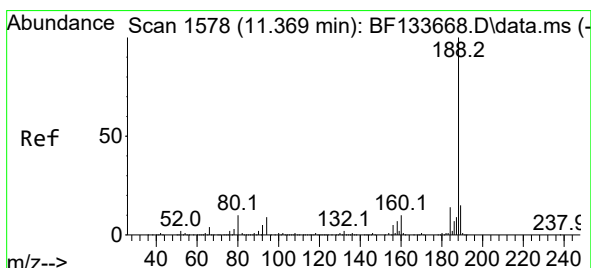
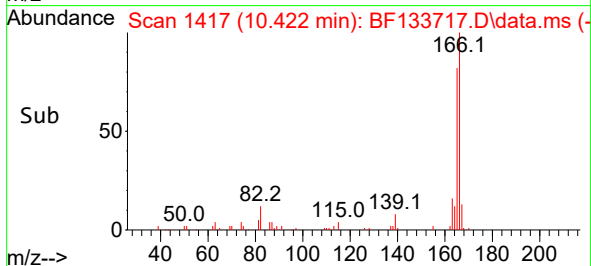
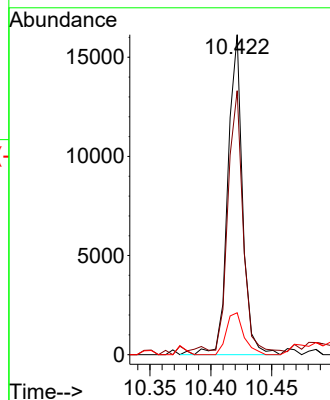
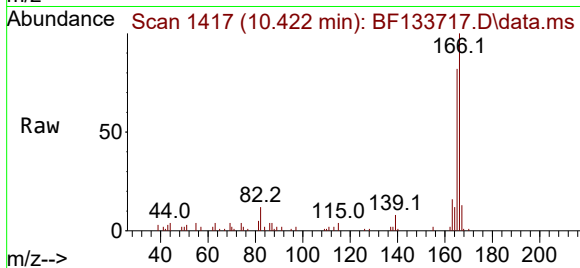
Tgt Ion:166 Resp: 13602

Ion Ratio Lower Upper

166 100

165 82.5 73.1 109.7

167 13.1 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

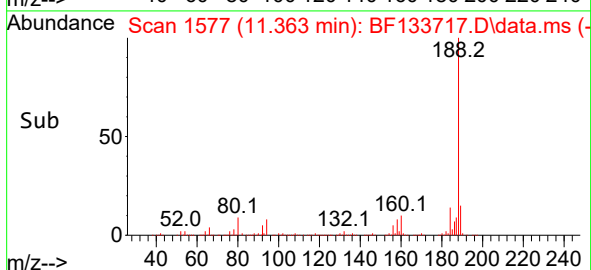
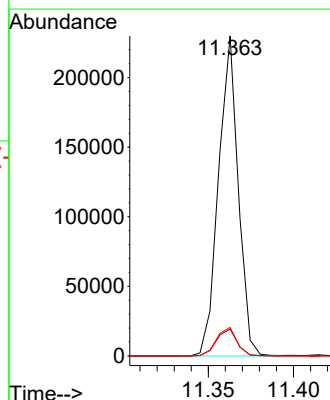
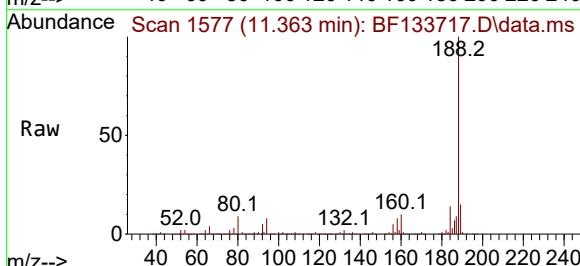
Tgt Ion:188 Resp: 184960

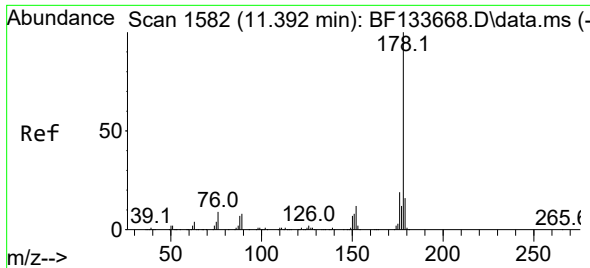
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 8.9 7.8 11.6

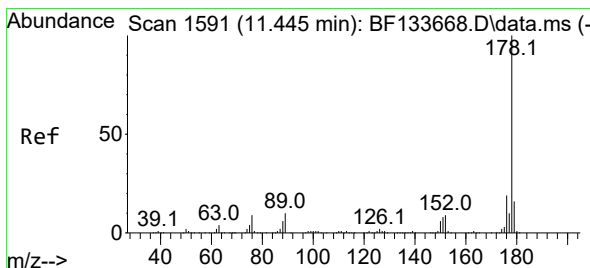
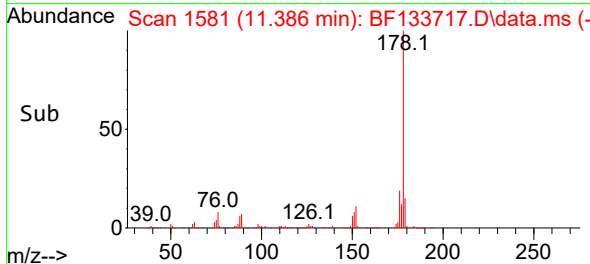
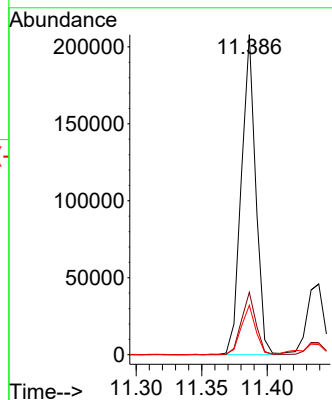
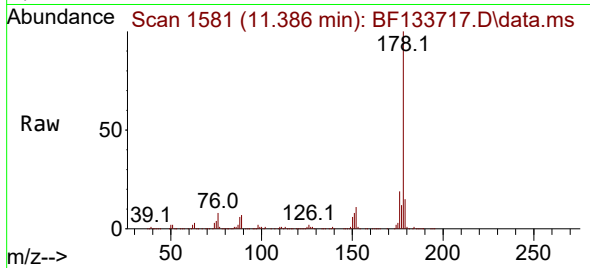




#71
Phenanthrene
Concen: 16.955 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

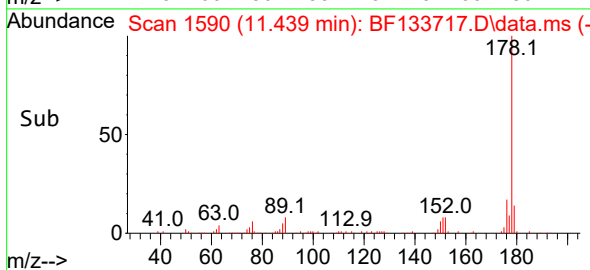
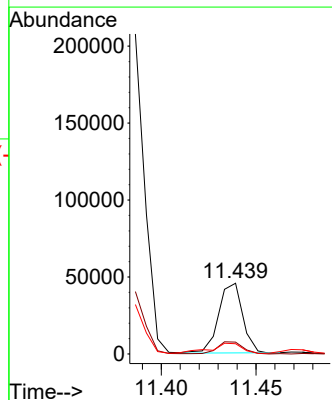
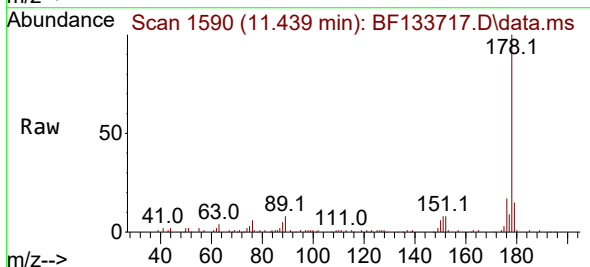
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

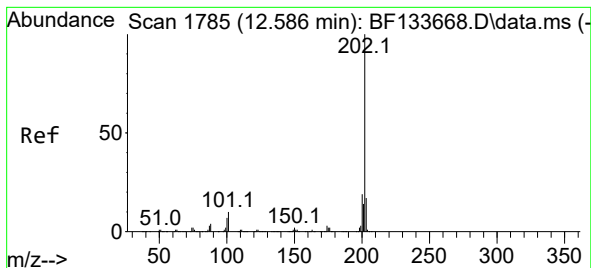
Tgt Ion:178 Resp: 159103
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.5 12.4 18.6



#72
Anthracene
Concen: 4.112 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:178 Resp: 40232
Ion Ratio Lower Upper
178 100
176 16.7 15.1 22.7
179 14.5 12.6 18.8





#75

Fluoranthene

Concen: 18.477 ng

RT: 12.574 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

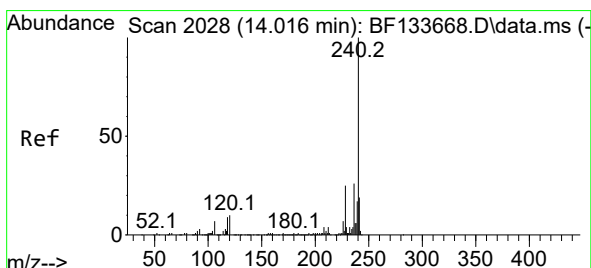
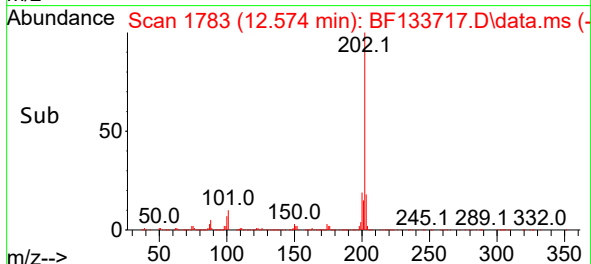
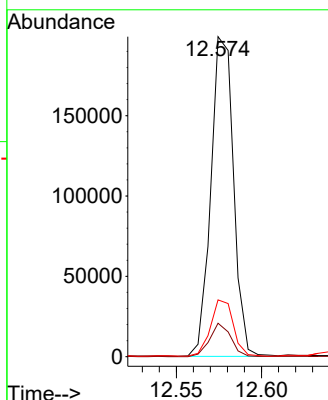
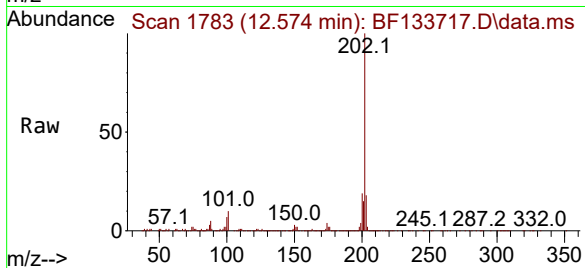
Tgt Ion:202 Resp: 184122

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.6

203 17.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

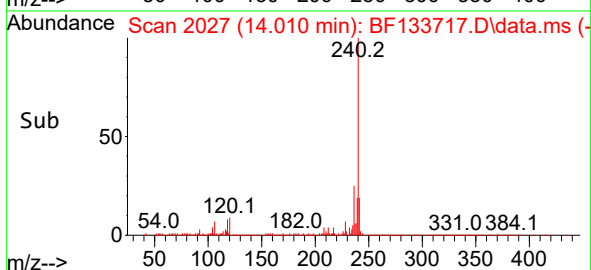
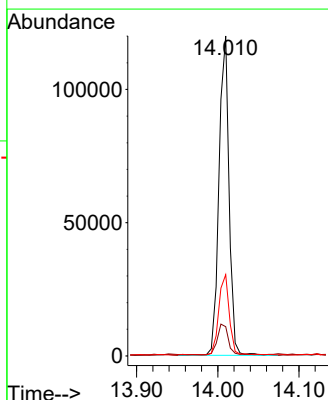
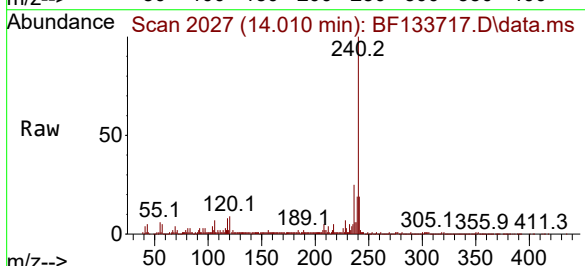
Tgt Ion:240 Resp: 103441

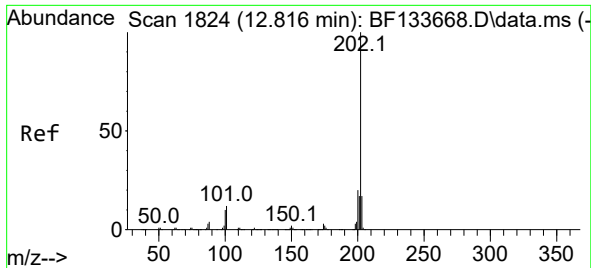
Ion Ratio Lower Upper

240 100

120 9.2 8.1 12.1

236 25.4 20.5 30.7

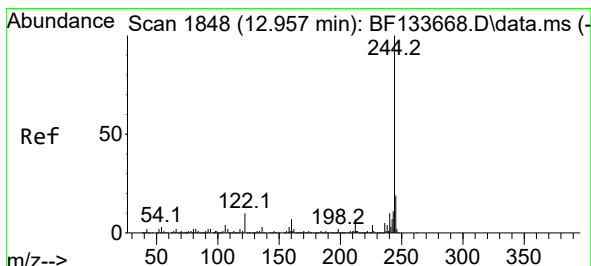
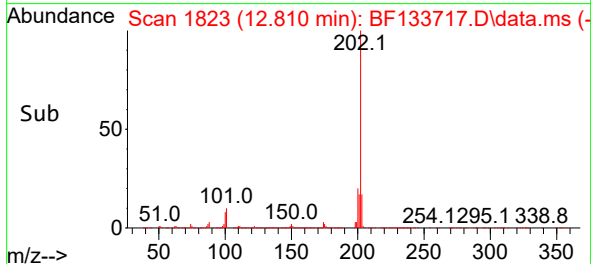
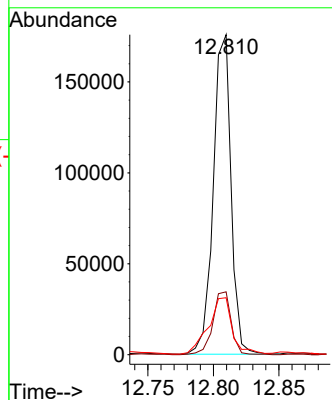
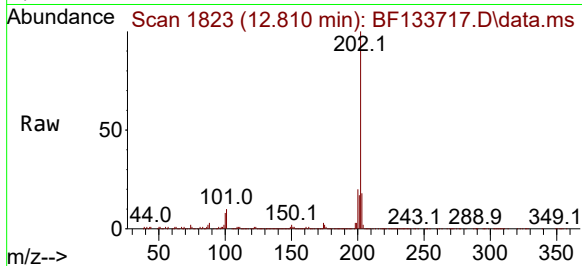




#78
Pyrene
Concen: 17.168 ng
RT: 12.810 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

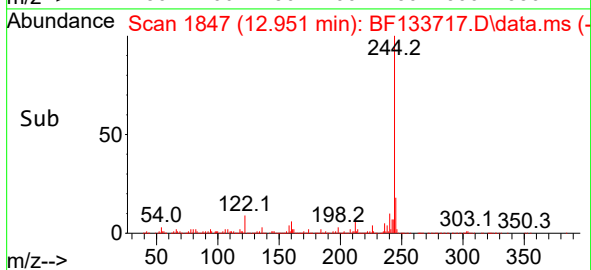
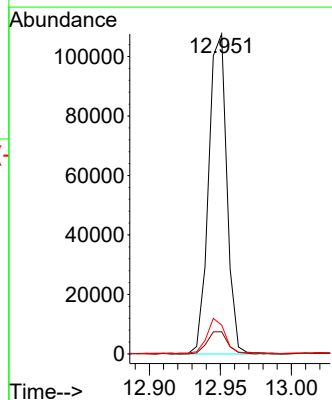
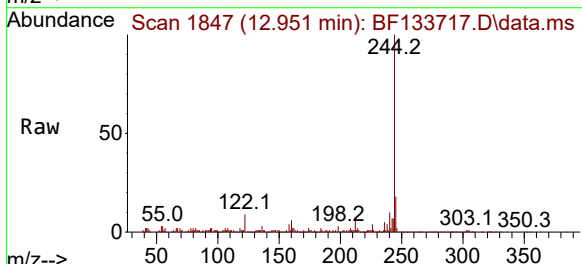
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

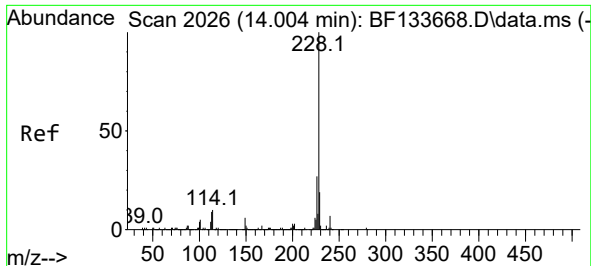
Tgt Ion:202 Resp: 165431
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 17.8 13.9 20.9



#79
Terphenyl-d14
Concen: 14.384 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:244 Resp: 96159
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 9.0 8.1 12.1

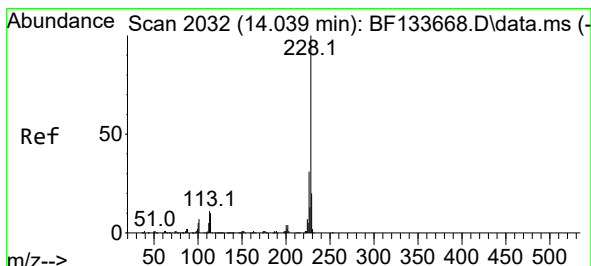
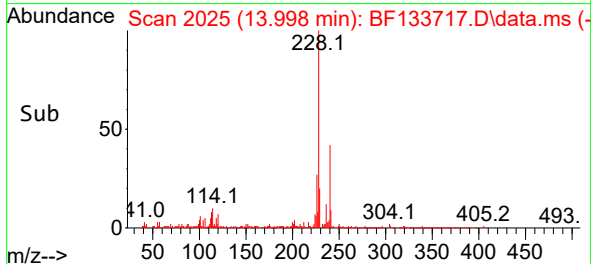
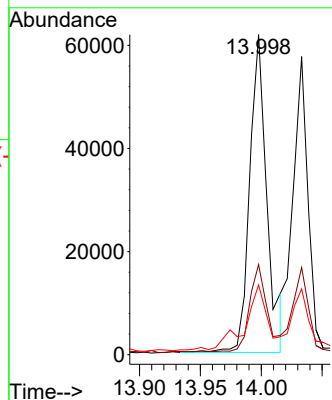
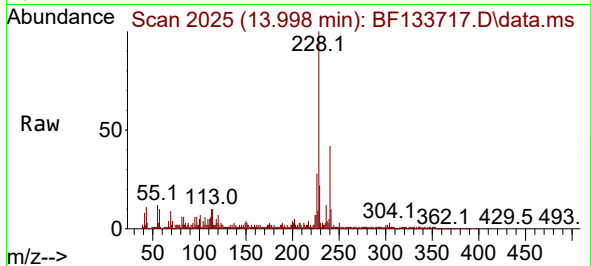




#81
Benzo(a)anthracene
Concen: 8.483 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

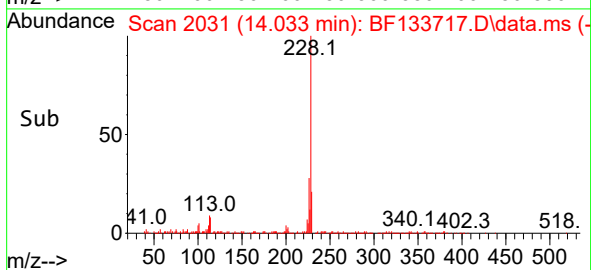
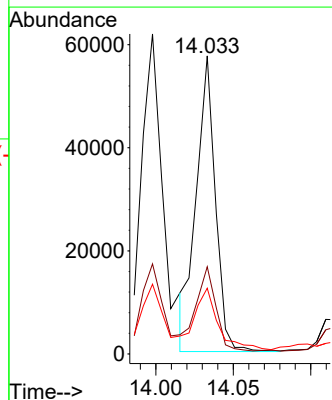
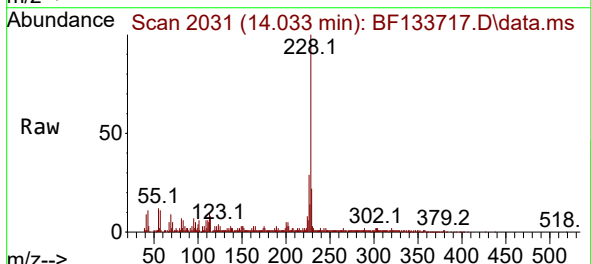
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

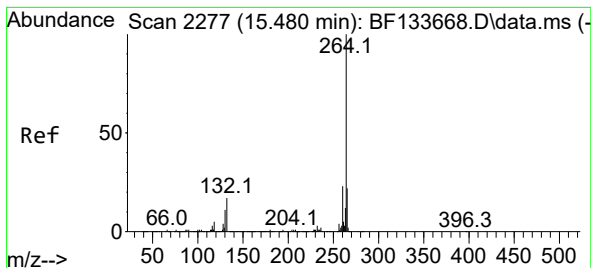
Tgt Ion:228 Resp: 60699
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 21.8 15.4 23.2



#83
Chrysene
Concen: 7.297 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:228 Resp: 49384
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 22.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

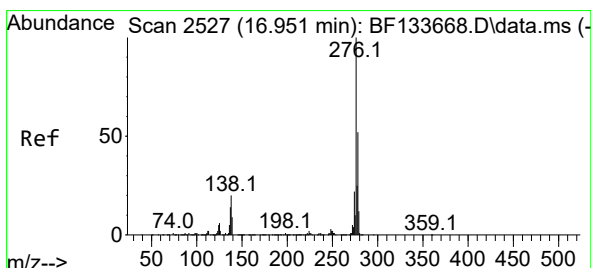
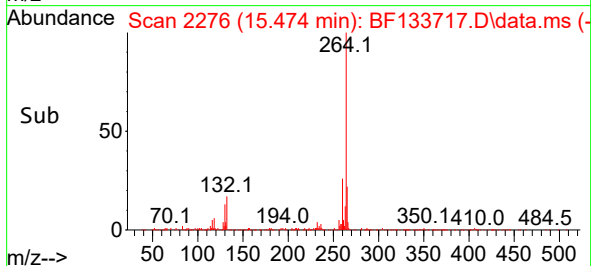
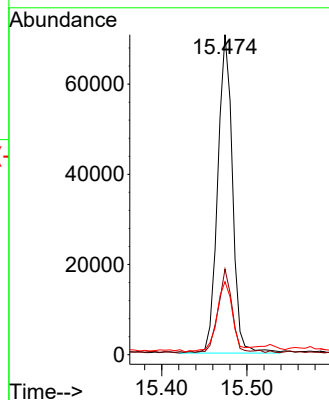
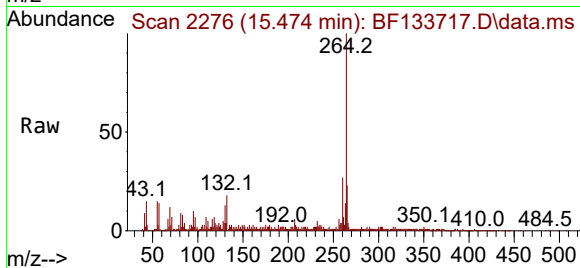
Tgt Ion:264 Resp: 85088

Ion Ratio Lower Upper

264 100

260 26.7 18.2 27.2

265 22.8 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.177 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.006 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

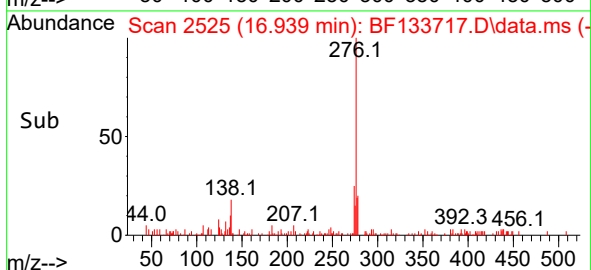
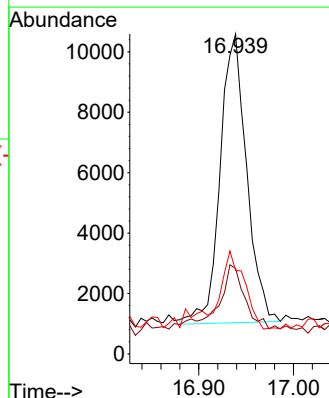
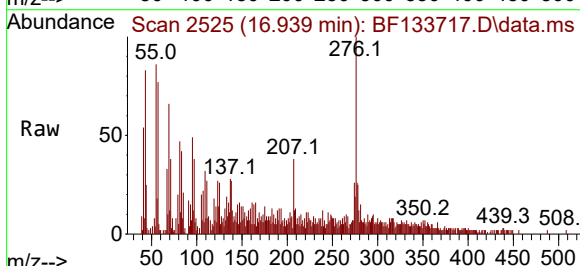
Tgt Ion:276 Resp: 18596

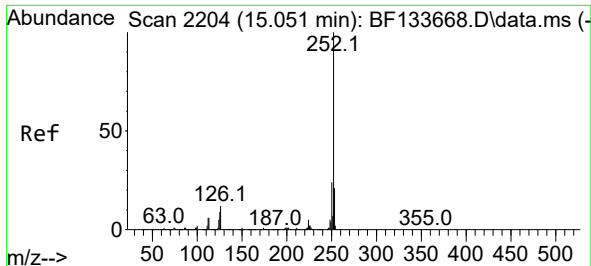
Ion Ratio Lower Upper

276 100

138 31.1 17.9 26.9#

277 28.0 20.3 30.5

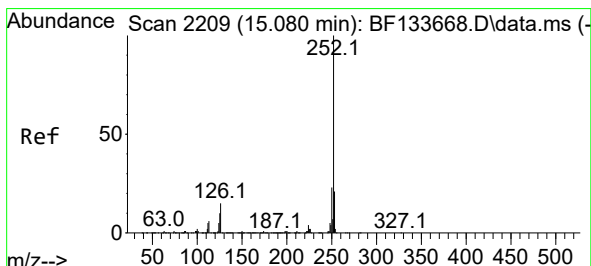
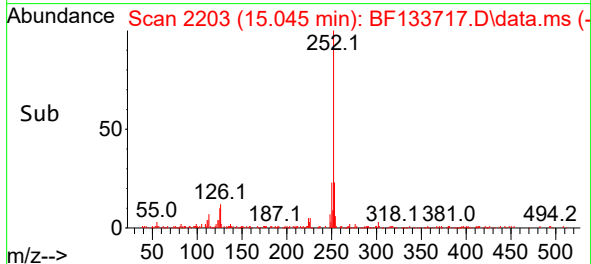
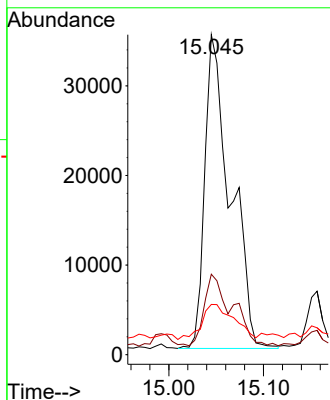
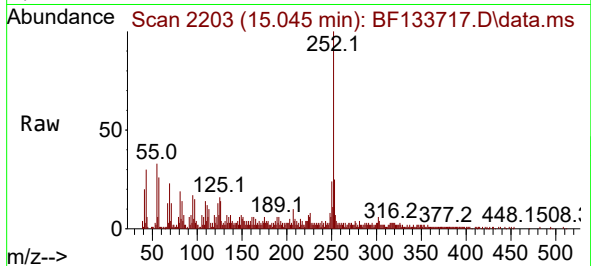




#88
Benzo(b)fluoranthene
Concen: 12.764 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

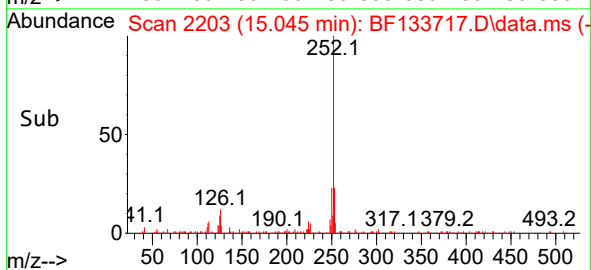
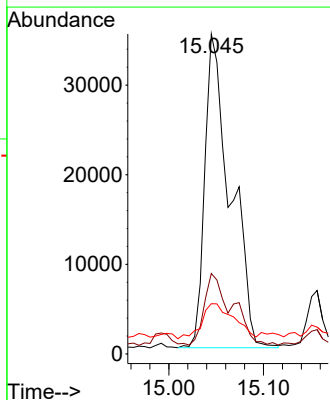
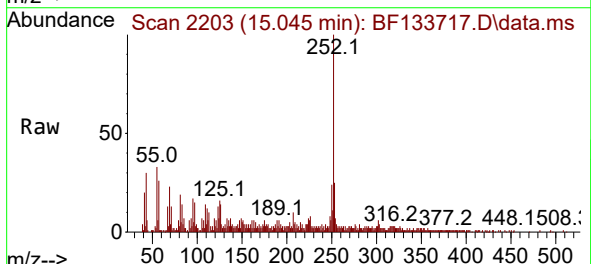
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2.0

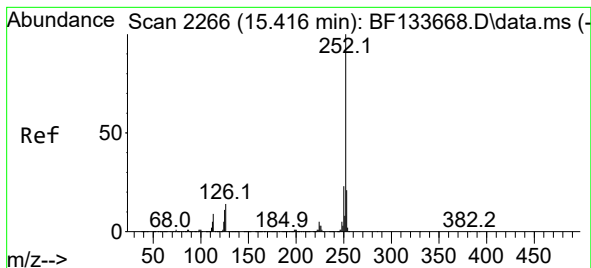
Tgt Ion:252 Resp: 65974
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 15.7 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 13.103 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.035 min
Lab File: BF133717.D
Acq: 12 Jun 2023 22:20

Tgt Ion:252 Resp: 65974
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.4
125 15.7 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 7.978 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2.0

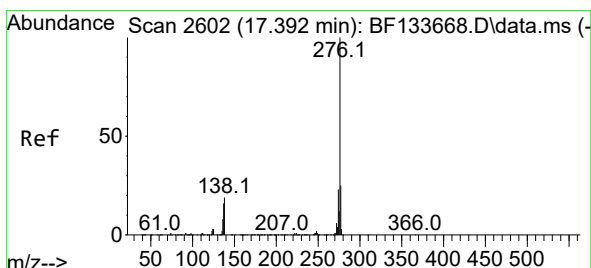
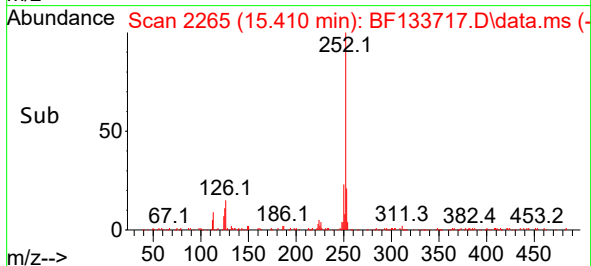
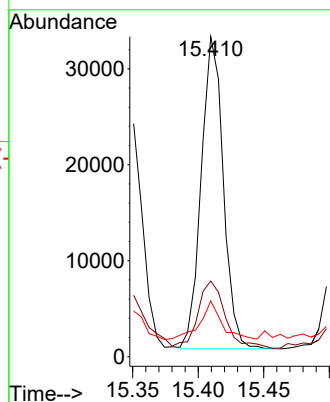
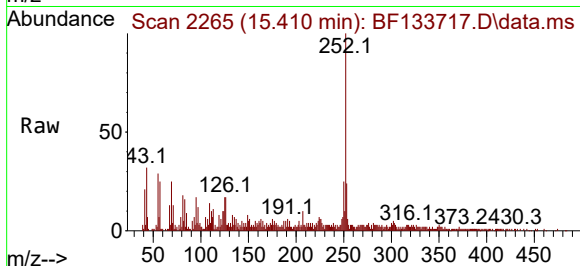
Tgt Ion:252 Resp: 38272

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 17.4 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 4.237 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.012 min

Lab File: BF133717.D

Acq: 12 Jun 2023 22:20

Tgt Ion:276 Resp: 20357

Ion Ratio Lower Upper

276 100

277 31.2 19.8 29.8#

138 22.5 15.0 22.4#

