

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133922.D
 Acq On : 23 Jun 2023 02:33
 Operator : CG\JU
 Sample :
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-TW-03

Quant Time: Jun 23 05:06:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 02:21:26 2023
 Response via : Initial Calibration

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

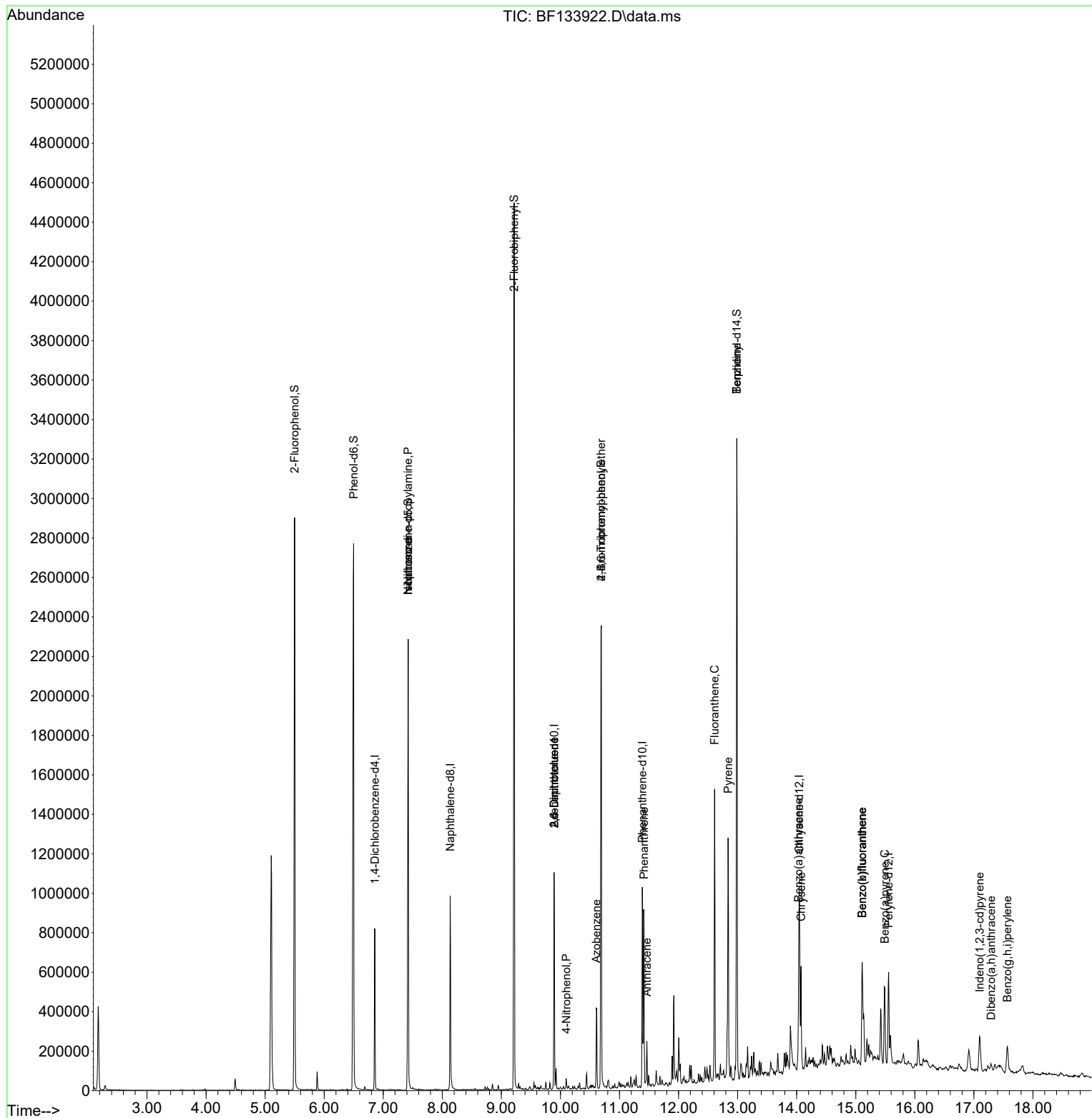
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	105758	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	411256	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	204608	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	371408	20.000	ng	0.00
76) Chrysene-d12	14.045	240	208324	20.000	ng	-0.01
86) Perylene-d12	15.557	264	220761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	807475	132.920	ng	0.00
7) Phenol-d6	6.498	99	999208	126.362	ng	0.00
23) Nitrobenzene-d5	7.422	82	679878	90.043	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	315851	121.951	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1276974	88.718	ng	0.00
79) Terphenyl-d14	12.986	244	1204320	89.452	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	96026	19.086	ng	# 79
25) Isophorone	7.422	82	679874	49.046	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	26094	8.278	ng	# 28
56) 4-Nitrophenol	10.098	139	5898	2.278	ng	# 13
57) 2,4-Dinitrotoluene	9.892	165	26094	6.509	ng	# 19
63) Azobenzene	10.610	77	72981	4.960	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	19201	4.632	ng	# 1
71) Phenanthrene	11.416	178	336588	17.862	ng	98
72) Anthracene	11.463	178	76426	3.890	ng	98
75) Fluoranthene	12.610	202	563286	28.150	ng	99
77) Benzidine	12.986	184	18209	2.605	ng	# 91
78) Pyrene	12.839	202	513078	26.439	ng	99
81) Benzo(a)anthracene	14.033	228	241203	16.739	ng	96
83) Chrysene	14.074	228	221537	16.255	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	128528	8.463	ng	96
88) Benzo(b)fluoranthene	15.110	252	390119	29.091	ng	96
89) Benzo(k)fluoranthene	15.110	252	390119	29.864	ng	97
90) Benzo(a)pyrene	15.492	252	210324	16.899	ng	99
91) Dibenzo(a,h)anthracene	17.292	278	25409	2.021	ng	93
92) Benzo(g,h,i)perylene	17.568	276	115949	9.301	ng	96

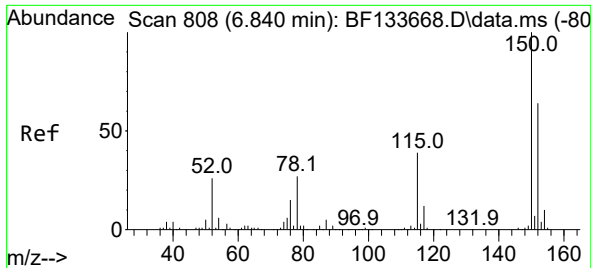
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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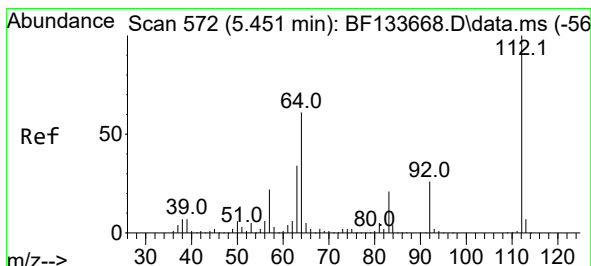
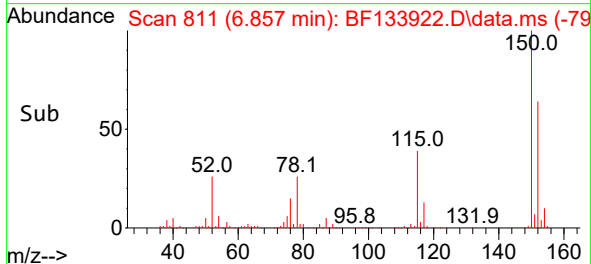
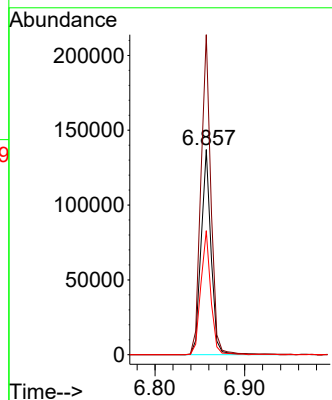
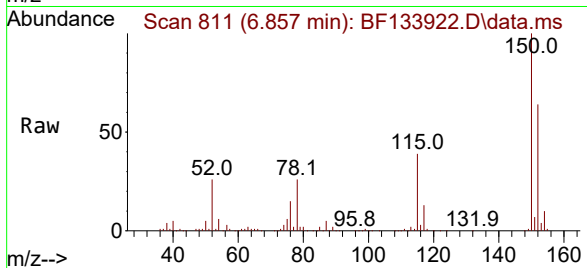




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

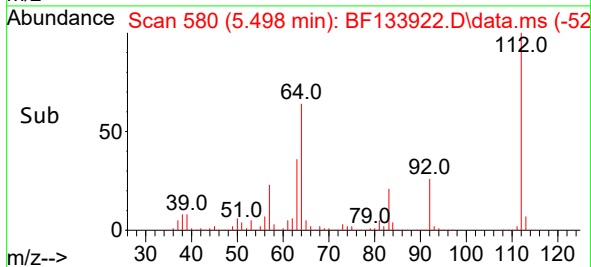
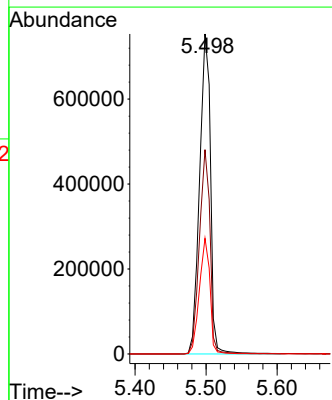
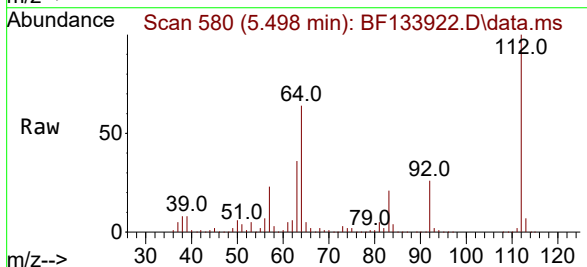
Instrument :
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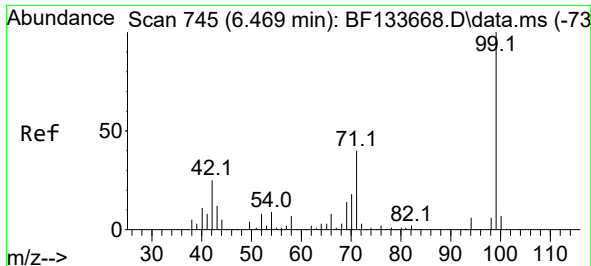
Tgt Ion:152 Resp: 105758
Ion Ratio Lower Upper
152 100
150 156.0 124.3 186.5
115 60.4 48.5 72.7



#5
2-Fluorophenol
Concen: 132.920 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:112 Resp: 807475
Ion Ratio Lower Upper
112 100
64 63.8 49.0 73.4
63 36.1 26.8 40.2

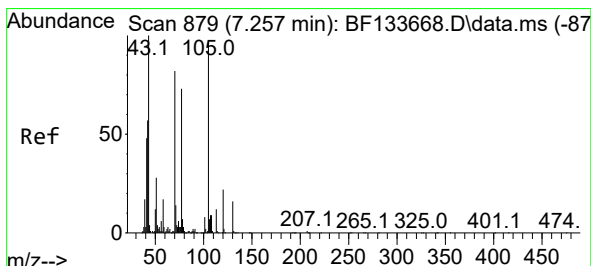
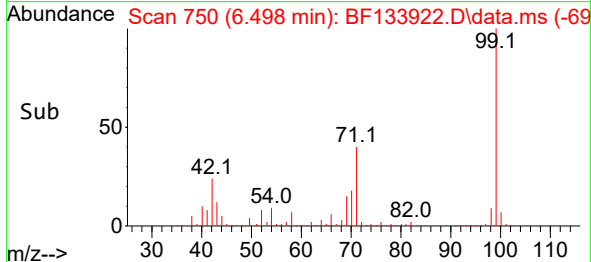
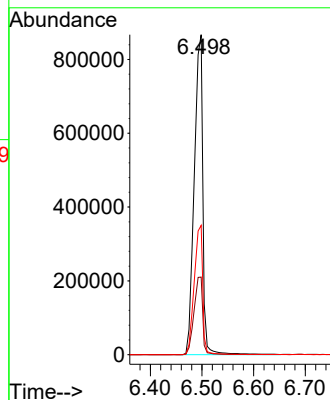
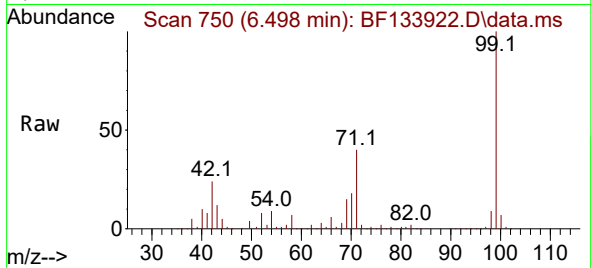




#7
Phenol-d6
Concen: 126.362 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

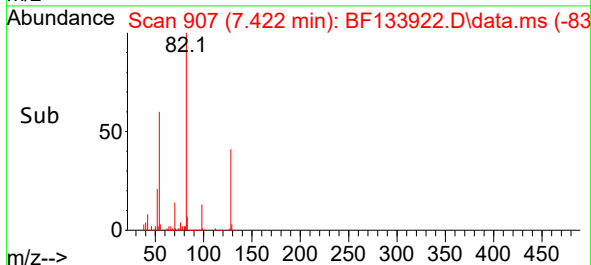
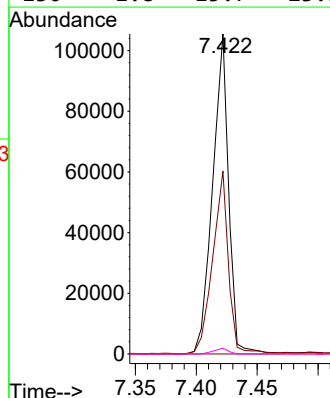
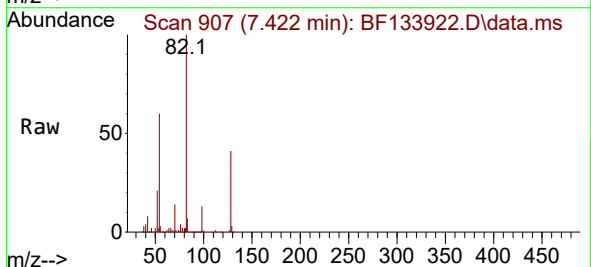
Instrument :
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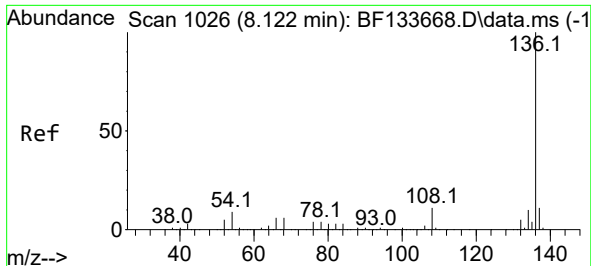
Tgt Ion: 99 Resp: 999208
Ion Ratio Lower Upper
99 100
42 24.2 19.9 29.9
71 40.4 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 19.086 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion: 70 Resp: 96026
Ion Ratio Lower Upper
70 100
42 57.2 55.8 83.8
101 0.0 8.1 12.1#
130 1.8 15.7 23.5#

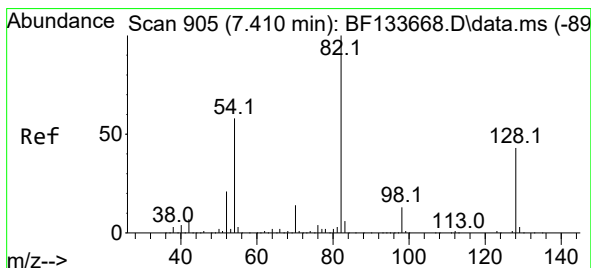
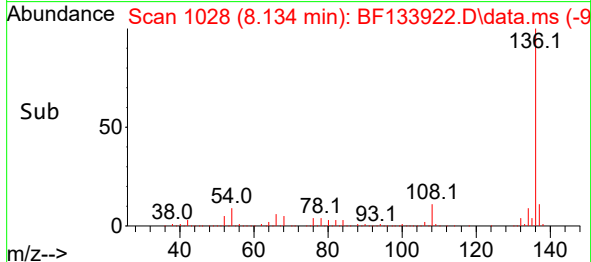
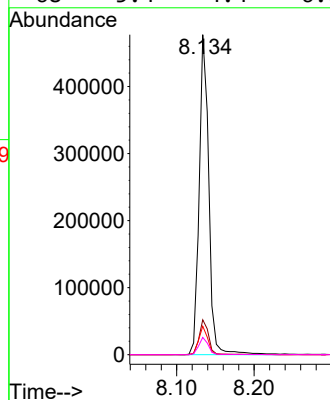
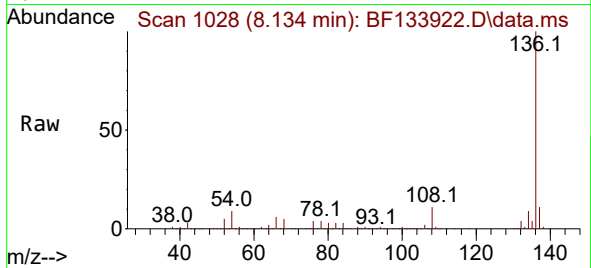




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

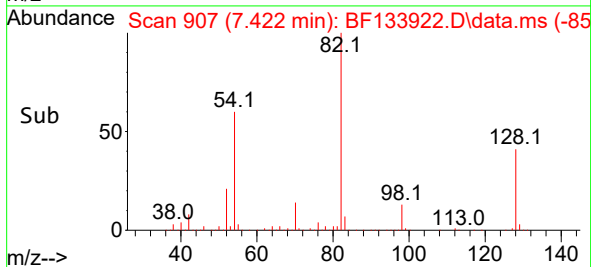
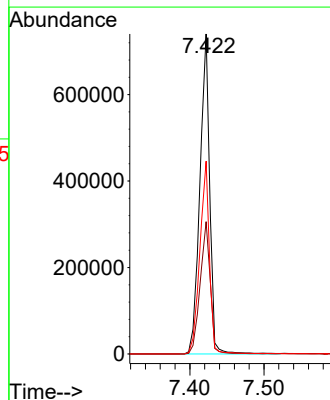
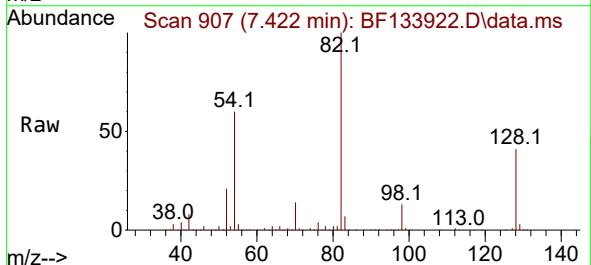
Instrument :
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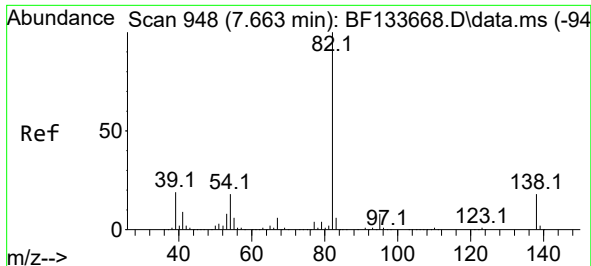
Tgt Ion:136 Resp: 411256
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.9 7.4 11.0
68 5.4 4.4 6.6



#23
Nitrobenzene-d5
Concen: 90.043 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion: 82 Resp: 679878
Ion Ratio Lower Upper
82 100
128 41.4 34.2 51.2
54 60.2 46.5 69.7

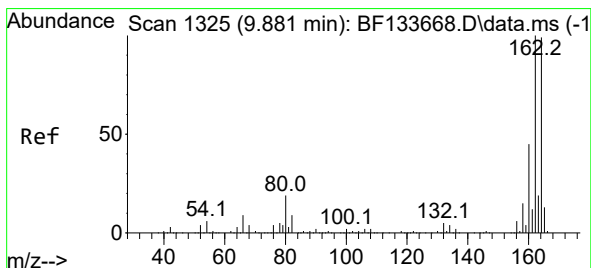
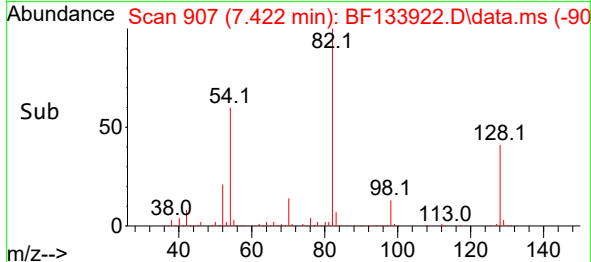
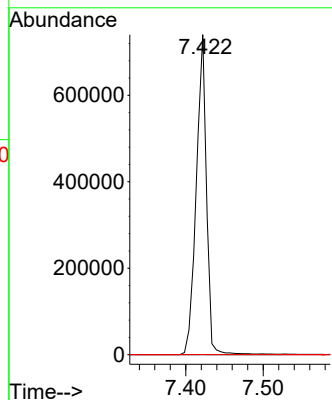
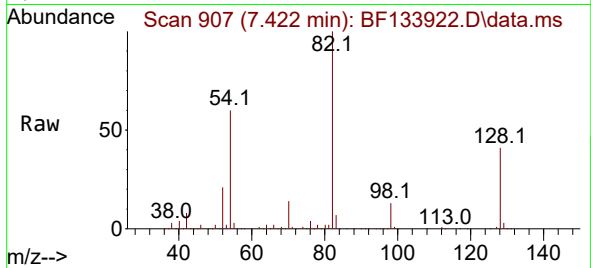




#25
Isophorone
Concen: 49.046 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

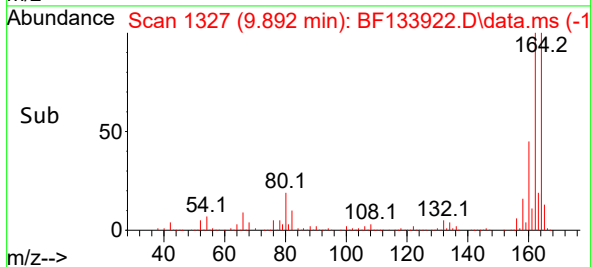
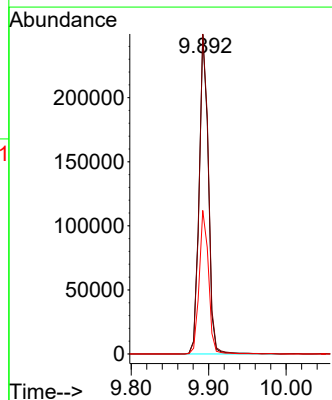
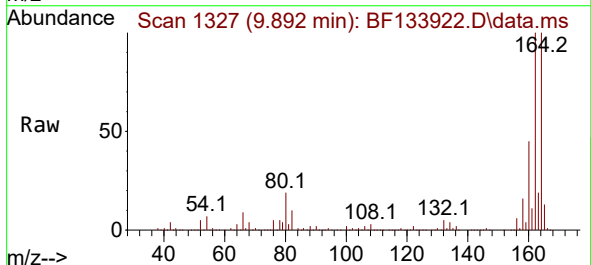
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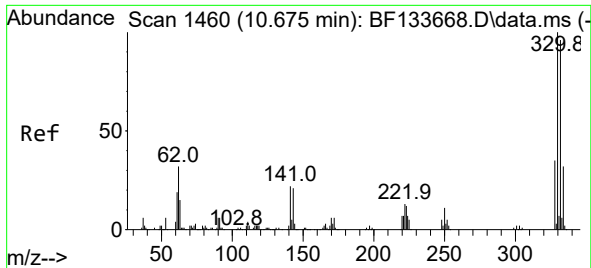
Tgt Ion: 82 Resp: 679874
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion: 164 Resp: 204608
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 44.9 36.7 55.1

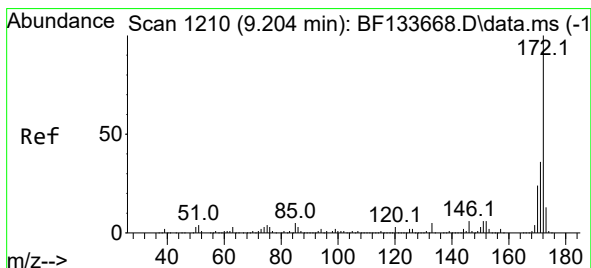
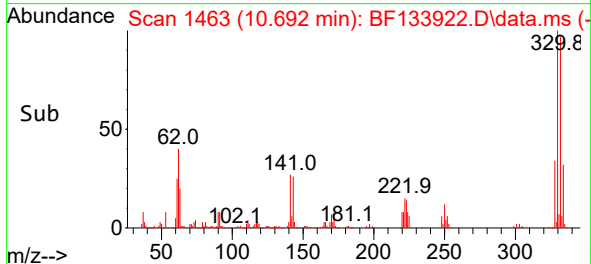
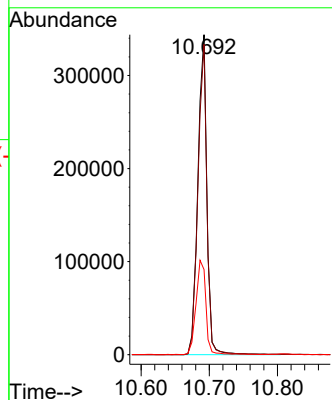
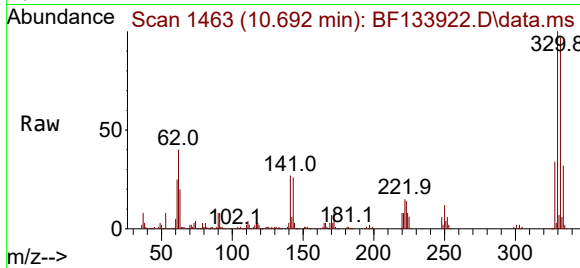




#42
2,4,6-Tribromophenol
Concen: 121.951 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

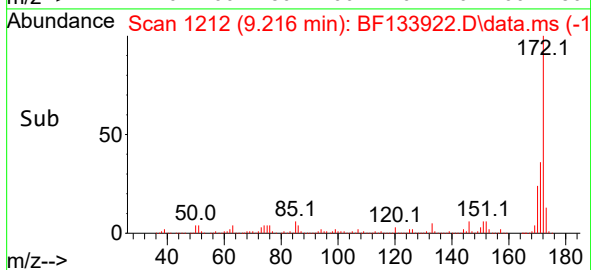
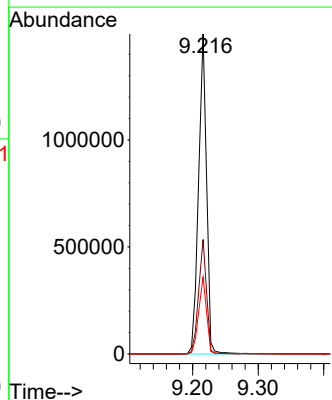
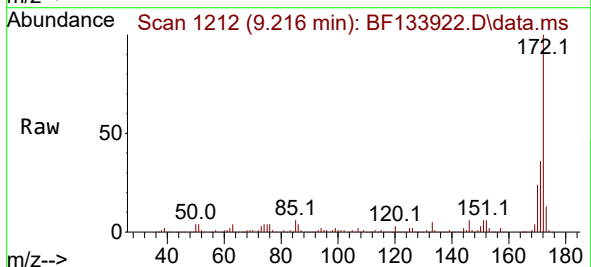
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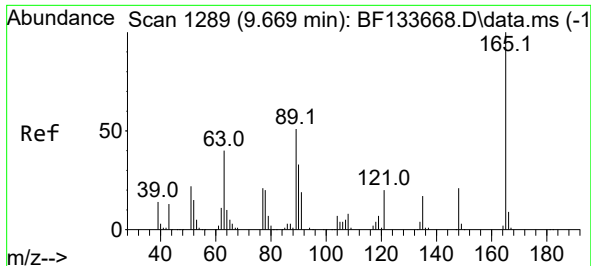
Tgt Ion:330 Resp: 315851
Ion Ratio Lower Upper
330 100
332 96.6 77.2 115.8
141 32.6 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 88.718 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:172 Resp: 1276974
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 24.0 19.1 28.7

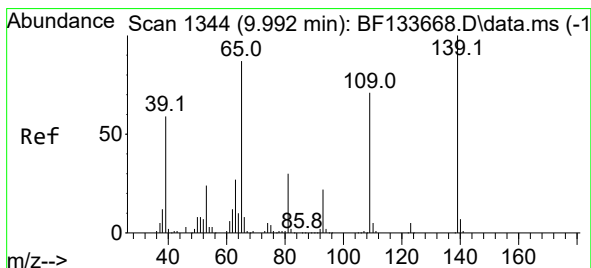
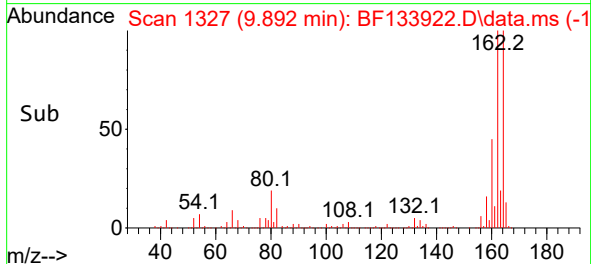
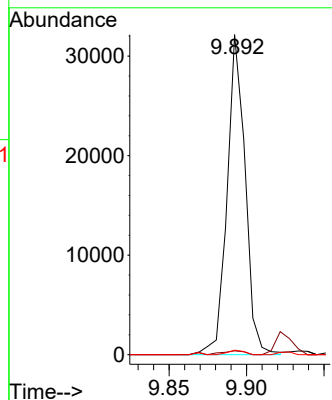
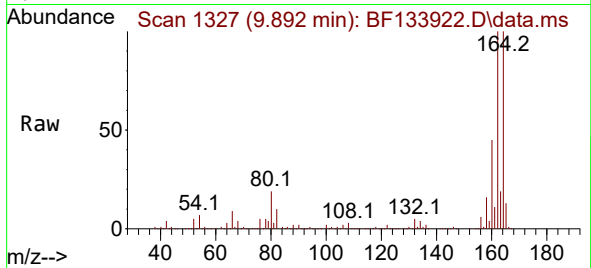




#51
2,6-Dinitrotoluene
Concen: 8.278 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

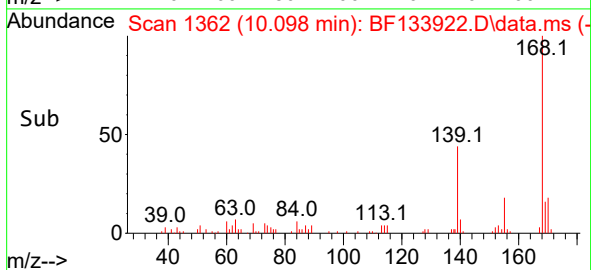
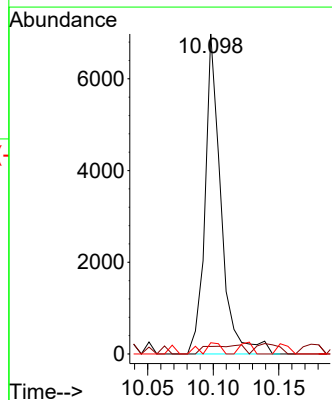
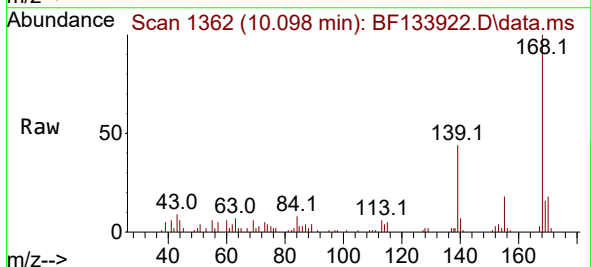
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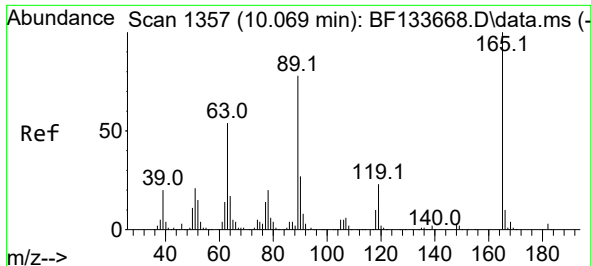
Tgt Ion:165 Resp: 26094
Ion Ratio Lower Upper
165 100
63 1.2 42.1 63.1#
89 1.4 40.9 61.3#



#56
4-Nitrophenol
Concen: 2.278 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.077 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

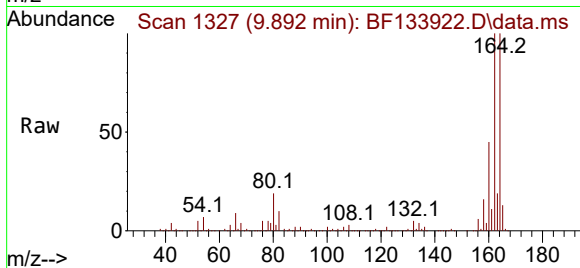
Tgt Ion:139 Resp: 5898
Ion Ratio Lower Upper
139 100
109 2.4 50.7 90.7#
65 3.5 67.1 107.1#



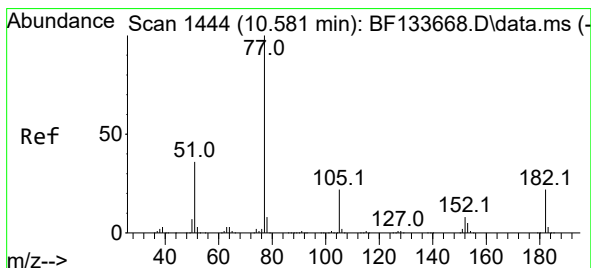
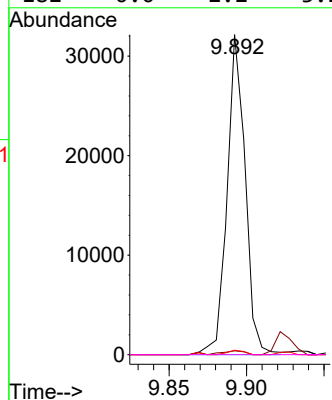
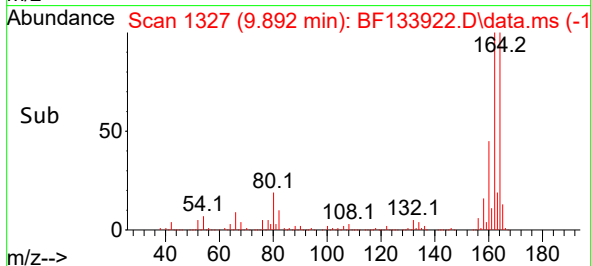


#57
2,4-Dinitrotoluene
Concen: 6.509 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-03

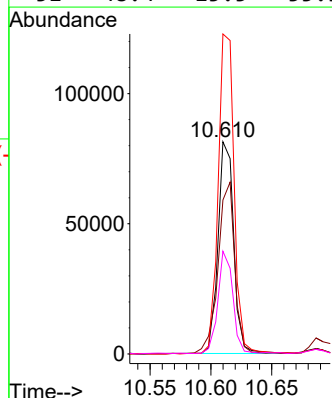
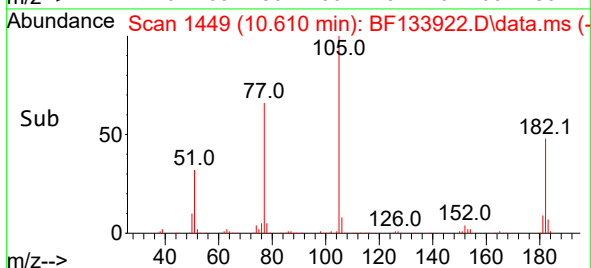
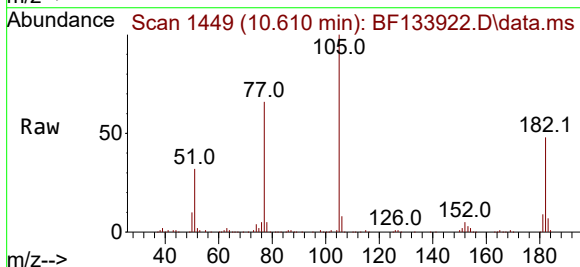


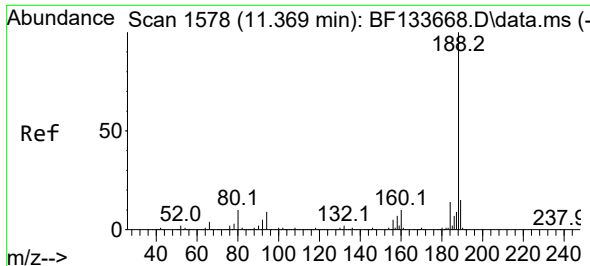
Tgt Ion:165 Resp: 26094
Ion Ratio Lower Upper
165 100
63 1.2 43.0 64.6#
89 1.4 62.6 93.8#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.960 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion: 77 Resp: 72981
Ion Ratio Lower Upper
77 100
182 72.5 1.6 41.6#
105 150.8 1.6 41.6#
51 48.4 15.5 55.5

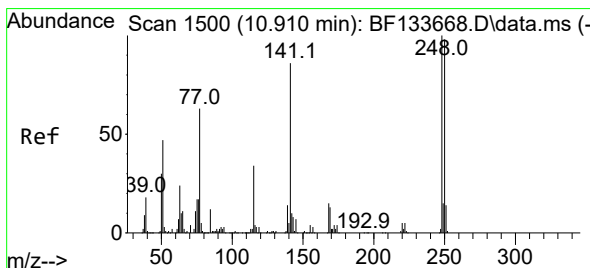
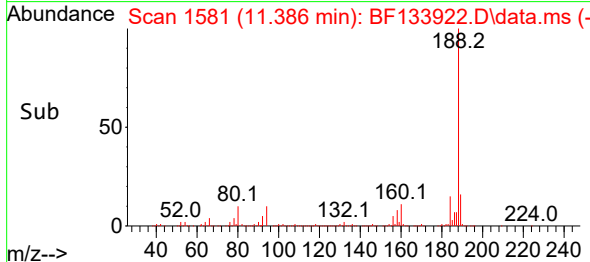
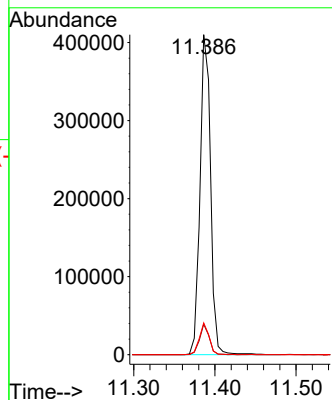
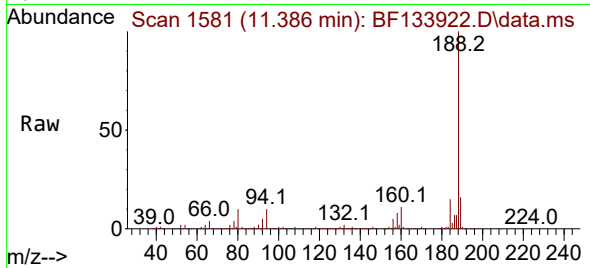




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

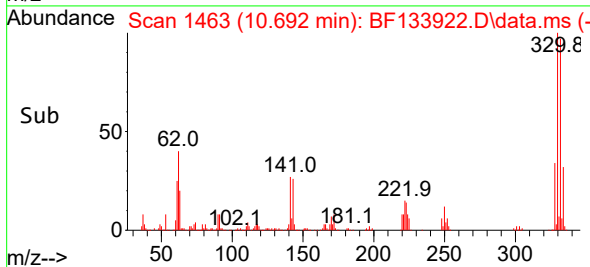
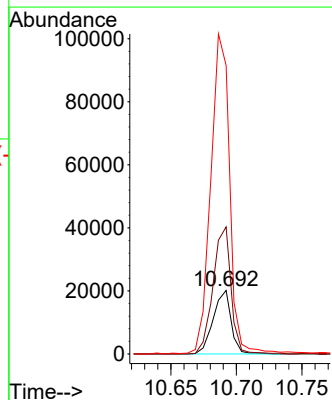
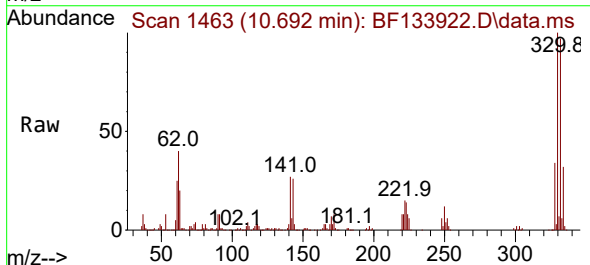
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-03

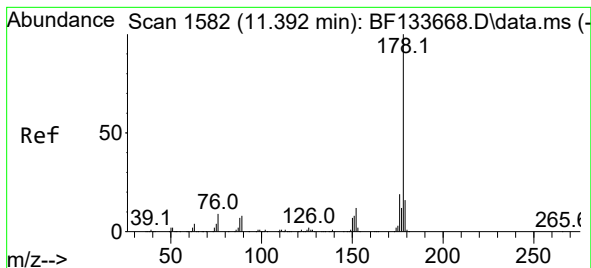
Tgt Ion:188 Resp: 371408
Ion Ratio Lower Upper
188 100
94 9.5 6.8 10.2
80 10.0 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 4.632 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:248 Resp: 19201
Ion Ratio Lower Upper
248 100
250 200.2 78.3 117.5#
141 454.4 69.0 103.6#





#71

Phenanthrene

Concen: 17.862 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03

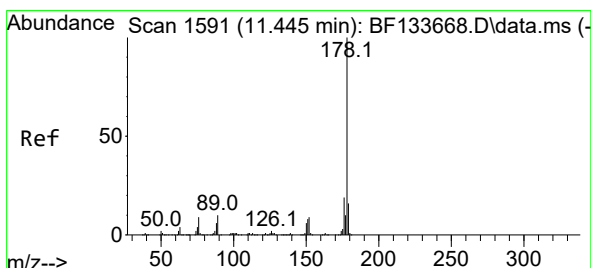
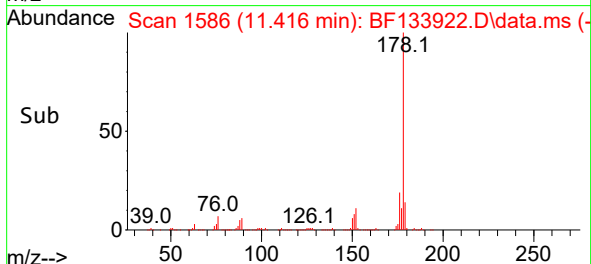
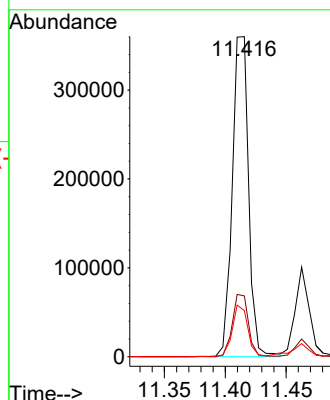
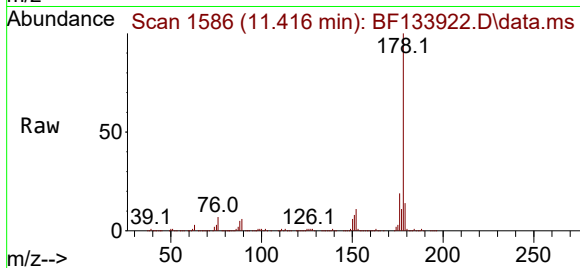
Tgt Ion:178 Resp: 336588

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

179 14.4 12.4 18.6



#72

Anthracene

Concen: 3.890 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.012 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

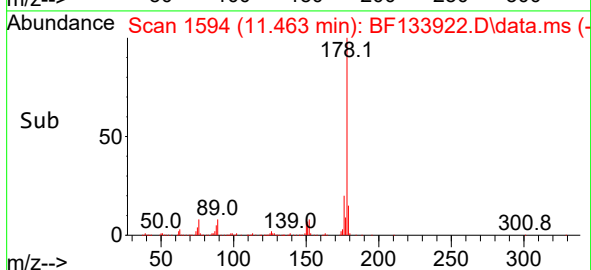
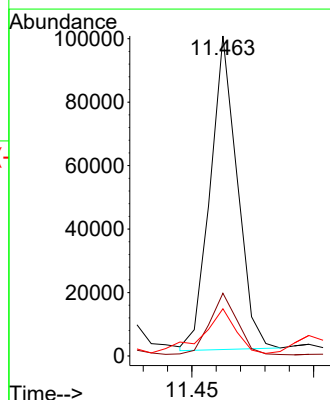
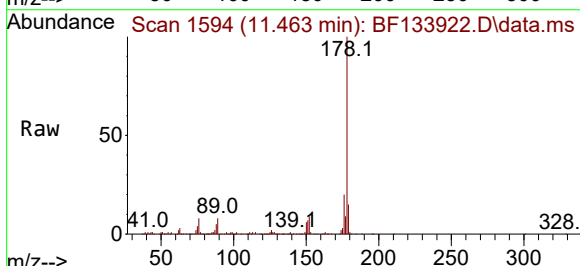
Tgt Ion:178 Resp: 76426

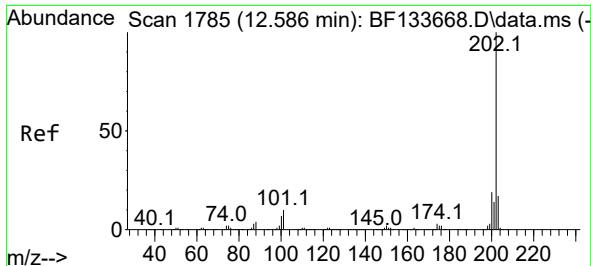
Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

179 14.7 12.6 18.8

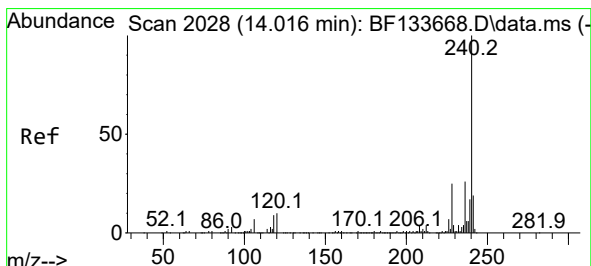
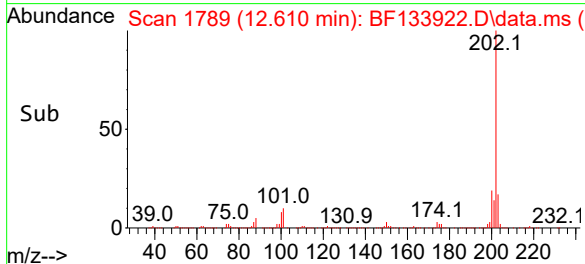
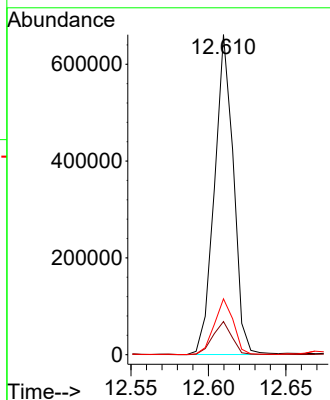
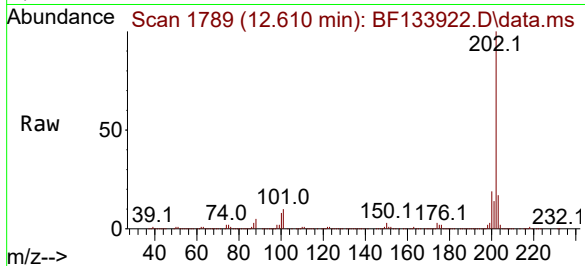




#75
Fluoranthene
Concen: 28.150 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

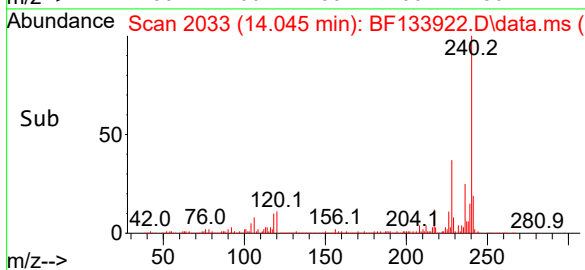
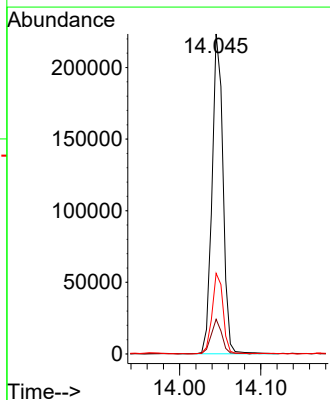
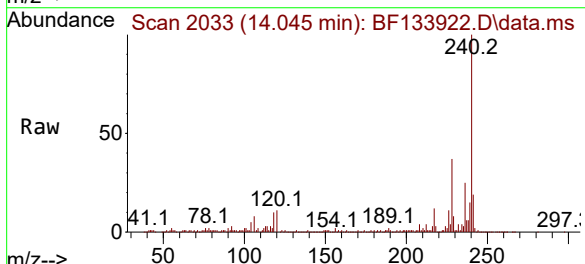
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-03

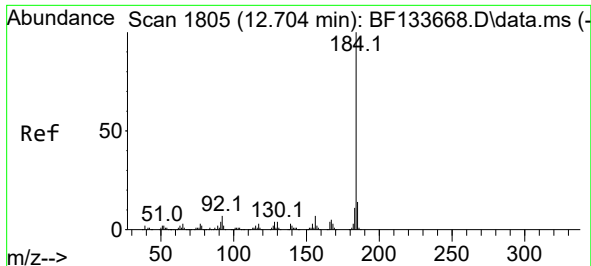
Tgt Ion:202 Resp: 563286
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.6
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:240 Resp: 208324
Ion Ratio Lower Upper
240 100
120 10.9 8.1 12.1
236 25.2 20.5 30.7

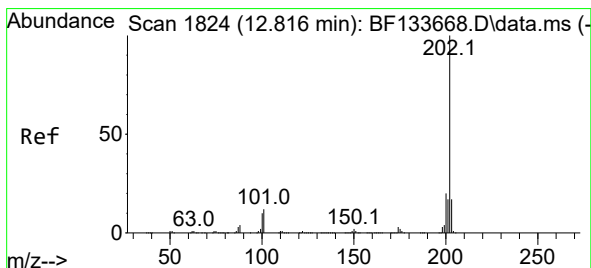
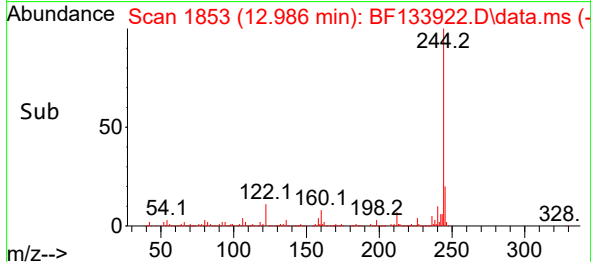
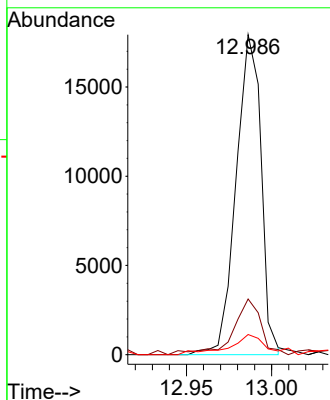
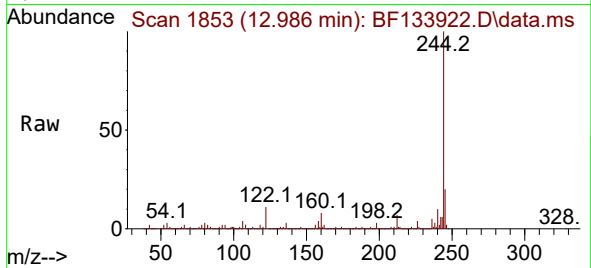




#77
Benzidine
Concen: 2.605 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.247 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

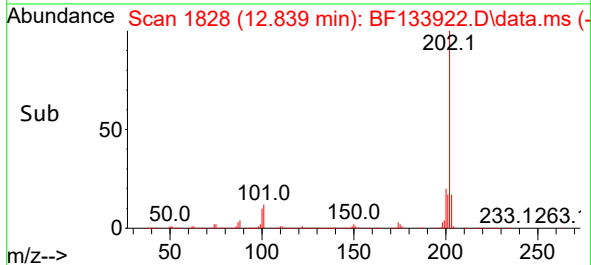
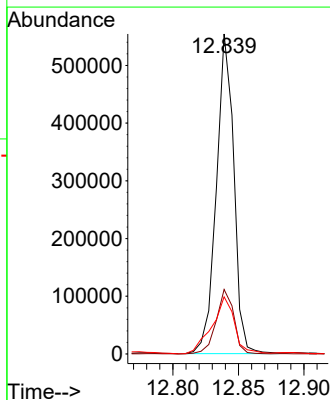
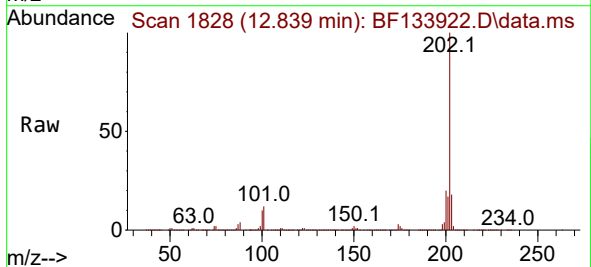
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-03

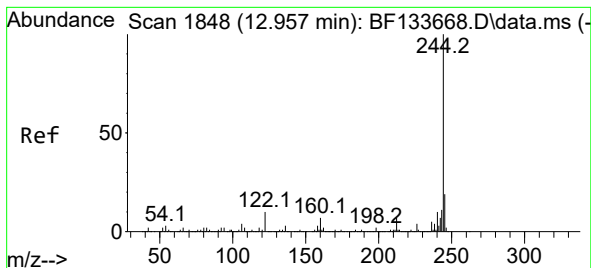
Tgt Ion:184 Resp: 18209
Ion Ratio Lower Upper
184 100
185 17.4 11.6 17.4#
183 6.3 8.4 12.6#



#78
Pyrene
Concen: 26.439 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:202 Resp: 513078
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 17.8 13.9 20.9





#79

Terphenyl-d14

Concen: 89.452 ng

RT: 12.986 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03

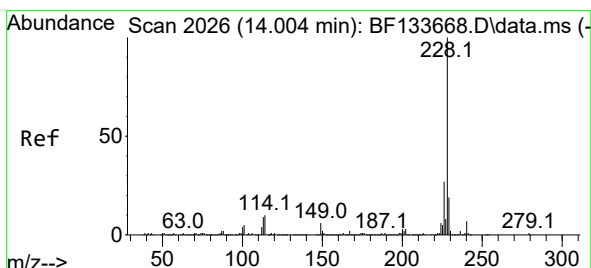
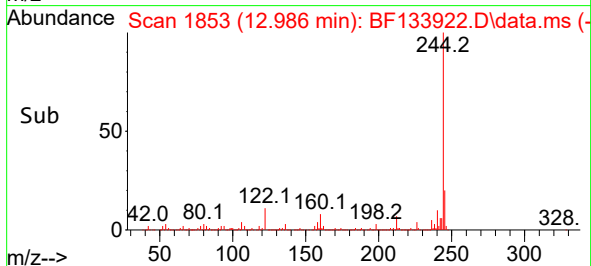
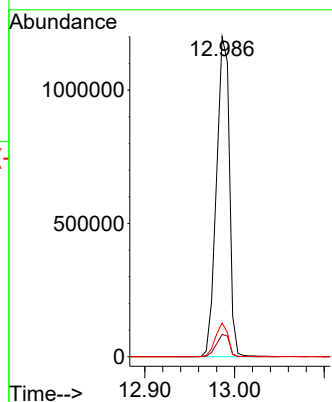
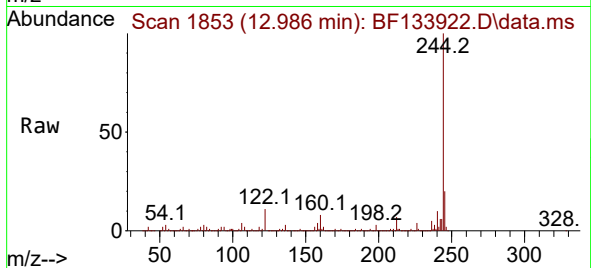
Tgt Ion:244 Resp: 1204320

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.6 8.1 12.1



#81

Benzo(a)anthracene

Concen: 16.739 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

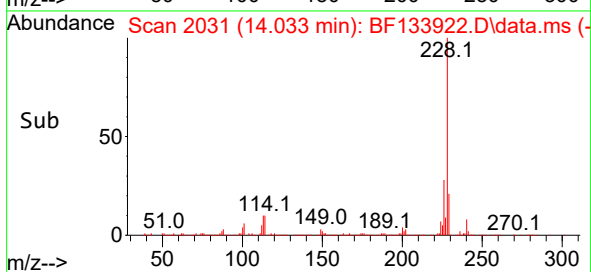
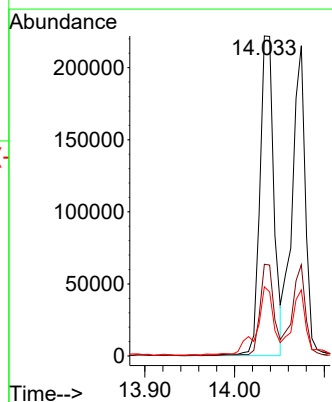
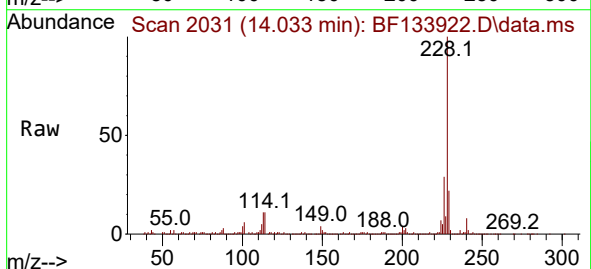
Tgt Ion:228 Resp: 241203

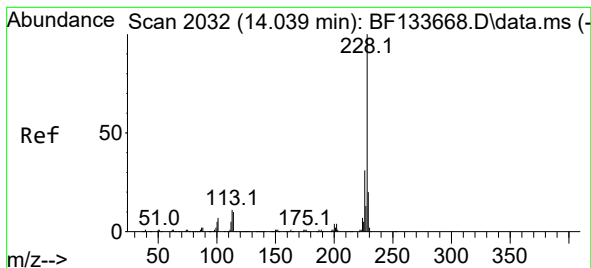
Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 21.6 15.4 23.2





#83

Chrysene

Concen: 16.255 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03

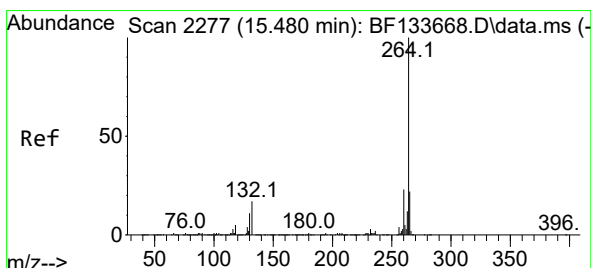
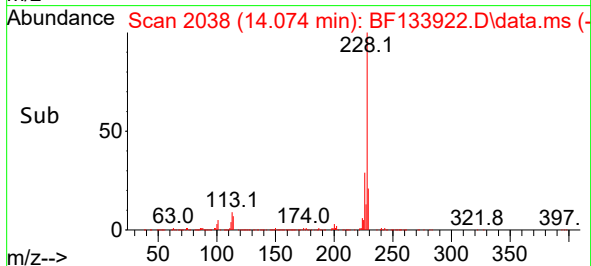
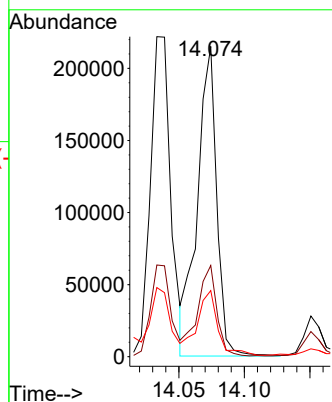
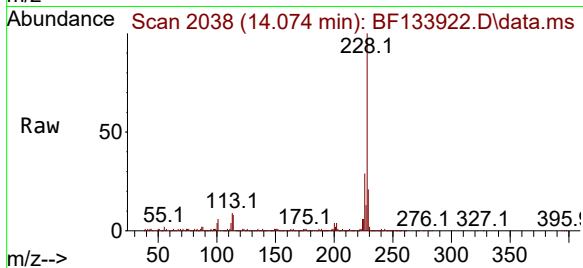
Tgt Ion:228 Resp: 221537

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

229 21.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2290

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

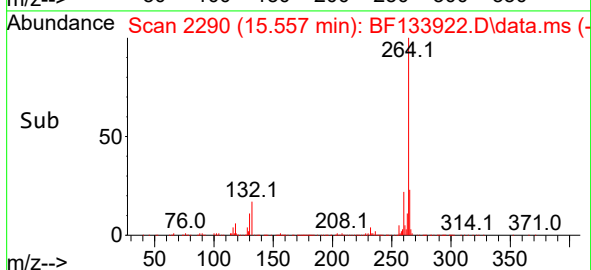
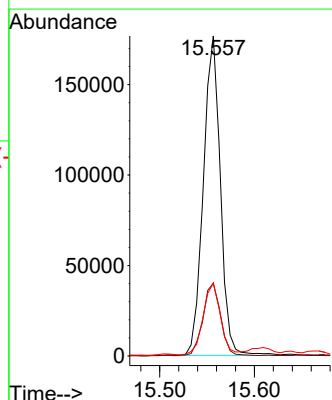
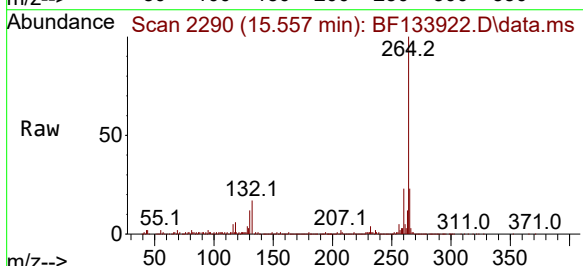
Tgt Ion:264 Resp: 220761

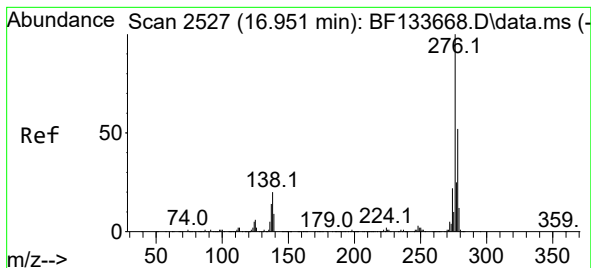
Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

265 22.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.463 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03

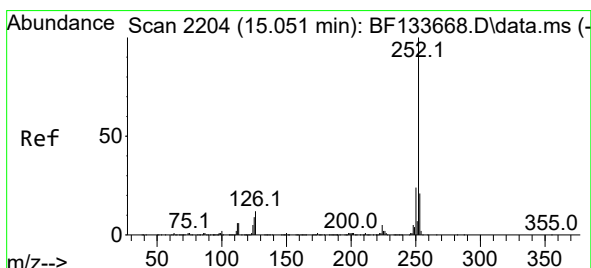
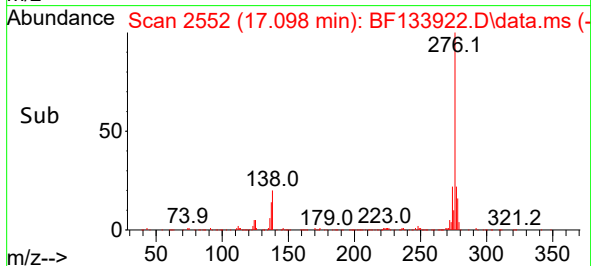
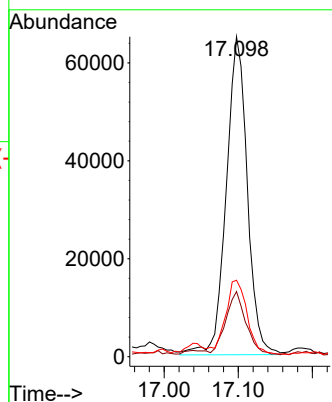
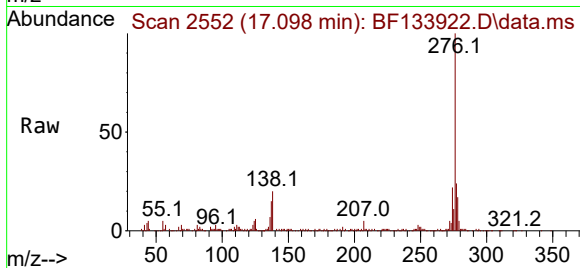
Tgt Ion:276 Resp: 128528

Ion Ratio Lower Upper

276 100

138 19.2 17.9 26.9

277 24.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 29.091 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

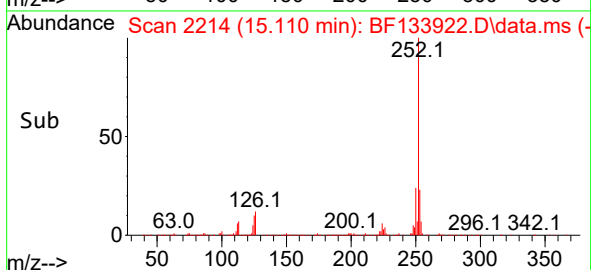
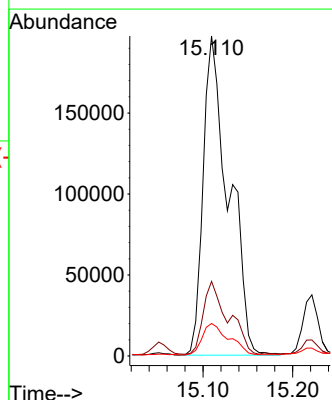
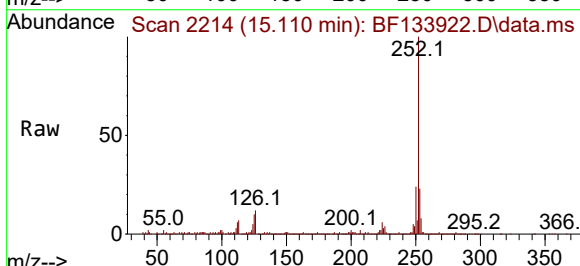
Tgt Ion:252 Resp: 390119

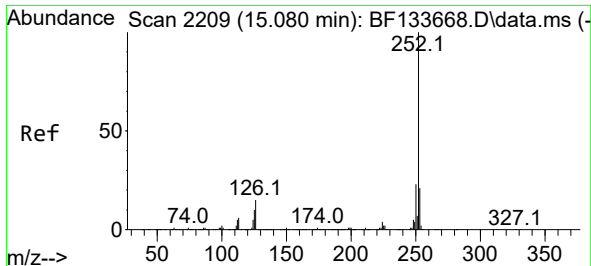
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 10.2 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 29.864 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-TW-03

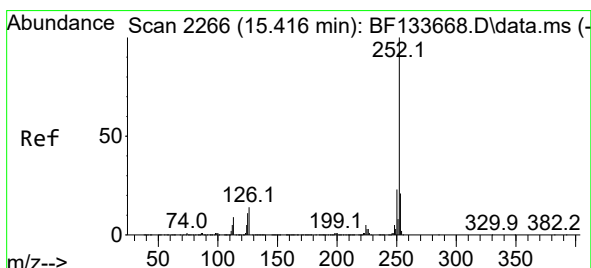
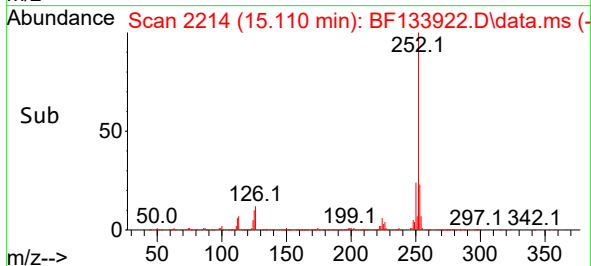
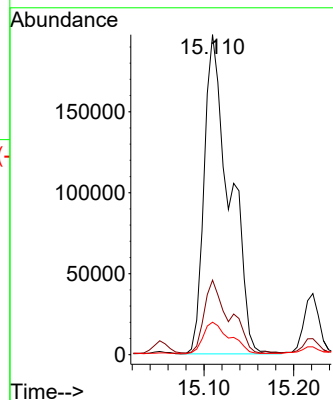
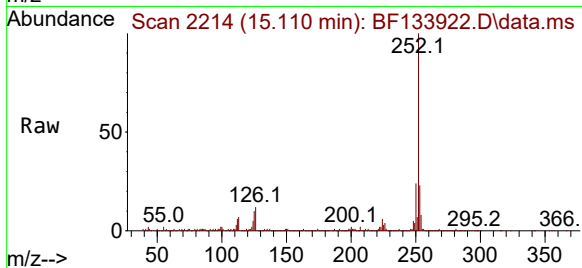
Tgt Ion:252 Resp: 390119

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 10.2 7.8 11.6



#90

Benzo(a)pyrene

Concen: 16.899 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF133922.D

Acq: 23 Jun 2023 02:33

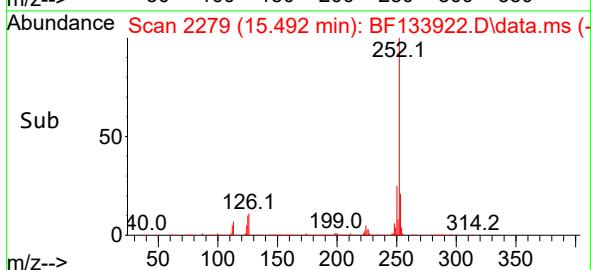
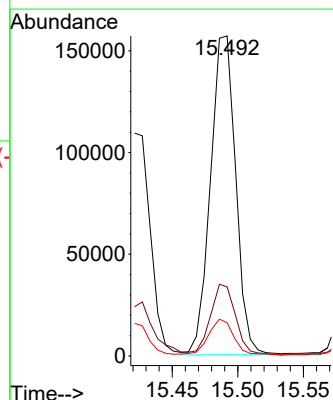
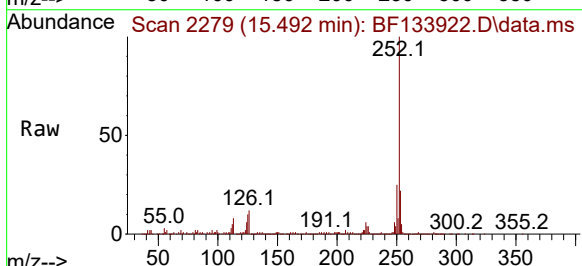
Tgt Ion:252 Resp: 210324

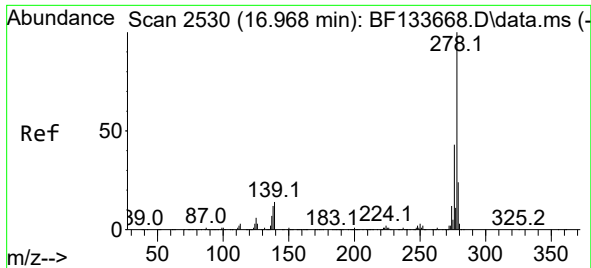
Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

125 10.4 8.6 13.0

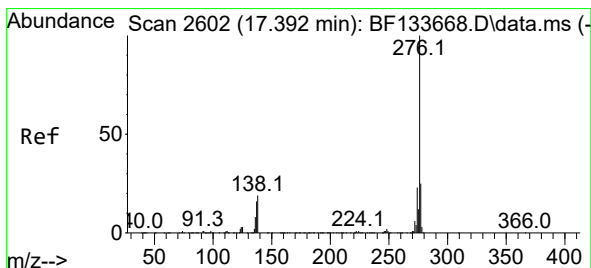
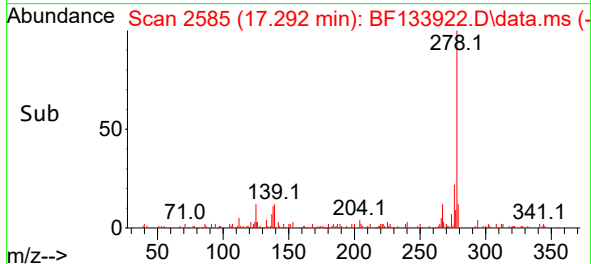
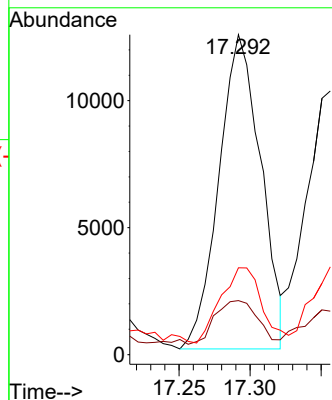
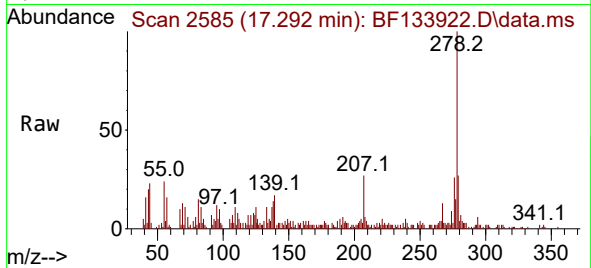




#91
Dibenzo(a,h)anthracene
Concen: 2.021 ng
RT: 17.292 min Scan# 21
Delta R.T. 0.153 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-TW-03

Tgt Ion:278 Resp: 25409
Ion Ratio Lower Upper
278 100
139 16.9 11.4 17.2
279 27.2 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 9.301 ng
RT: 17.568 min Scan# 2632
Delta R.T. -0.023 min
Lab File: BF133922.D
Acq: 23 Jun 2023 02:33

Tgt Ion:276 Resp: 115949
Ion Ratio Lower Upper
276 100
277 22.7 19.8 29.8
138 20.2 15.0 22.4

