

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133927.D
 Acq On : 23 Jun 2023 05:14
 Operator : CG\JU
 Sample :
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW02-0-8

Quant Time: Jun 23 05:51:19 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)

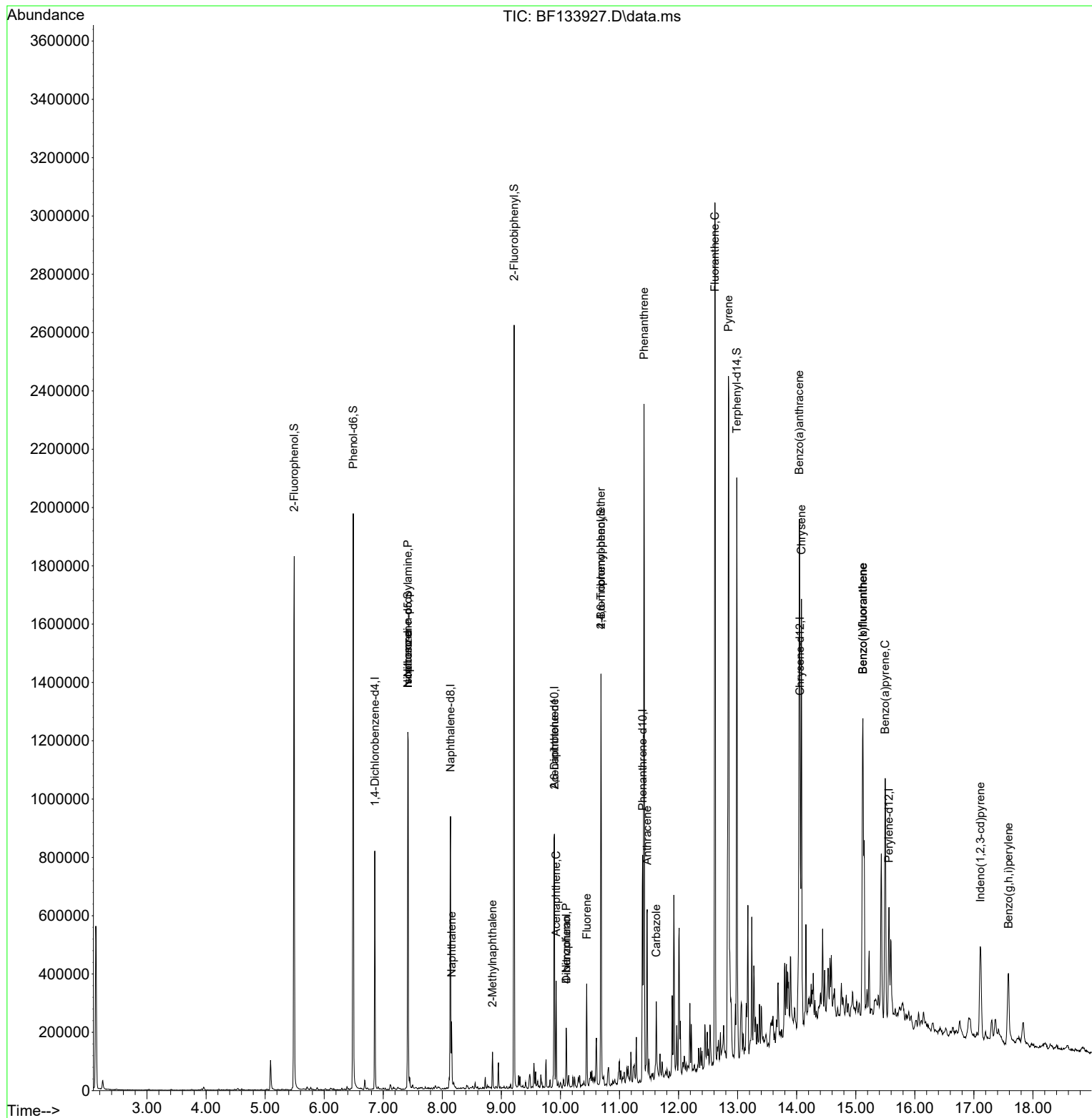
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	106632	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	396456	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	176729	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	296928	20.000	ng	0.00
76) Chrysene-d12	14.057	240	206720	20.000	ng	0.00
86) Perylene-d12	15.562	264	182004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	478425	78.109	ng	0.00
7) Phenol-d6	6.492	99	581106	72.886	ng	0.00
23) Nitrobenzene-d5	7.416	82	389498	53.511	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	149789	66.958	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	731954	58.875	ng	0.00
79) Terphenyl-d14	12.986	244	647393	48.459	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	55079	10.858	ng	# 77
25) Isophorone	7.416	82	387895	29.027	ng	# 65
31) Naphthalene	8.157	128	78883	4.084	ng	99
37) 2-Methylnaphthalene	8.851	142	30670	2.285	ng	98
51) 2,6-Dinitrotoluene	9.898	165	25041	9.197	ng	# 28
52) Acenaphthene	9.928	154	65355	6.274	ng	97
55) Dibenzofuran	10.098	168	66137	4.161	ng	98
56) 4-Nitrophenol	10.098	139	25289	11.309	ng	# 13
58) Fluorene	10.445	166	91363	7.517	ng	99
67) 4-Bromophenyl-phenylether	10.686	248	9552	2.882	ng	# 1
71) Phenanthrene	11.416	178	852861	56.613	ng	100
72) Anthracene	11.469	178	232920	14.828	ng	98
73) Carbazole	11.622	167	95596	6.534	ng	99
75) Fluoranthene	12.616	202	1312152	82.022	ng	99
78) Pyrene	12.845	202	1120950	58.211	ng	99
81) Benzo(a)anthracene	14.045	228	641638	44.873	ng	97
83) Chrysene	14.080	228	515978	38.152	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	241074	19.253	ng	96
88) Benzo(b)fluoranthene	15.121	252	838332	75.826	ng	97
89) Benzo(k)fluoranthene	15.121	252	838332	77.841	ng	97
90) Benzo(a)pyrene	15.498	252	427354	41.649	ng	97
92) Benzo(g,h,i)perylene	17.586	276	216596	21.074	ng	97

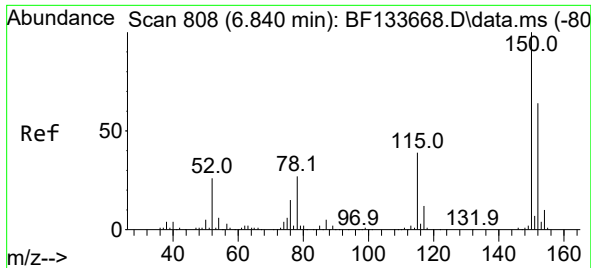
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133927.D
Acq On : 23 Jun 2023 05:14
Operator : CG\JU
Sample :
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

Quant Time: Jun 23 05:51:19 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

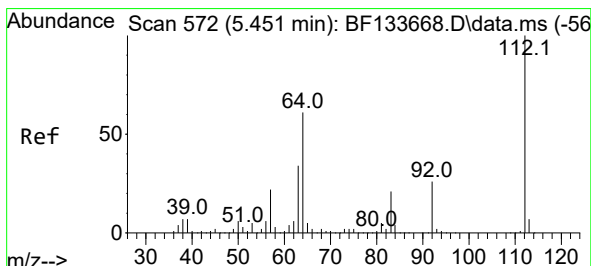
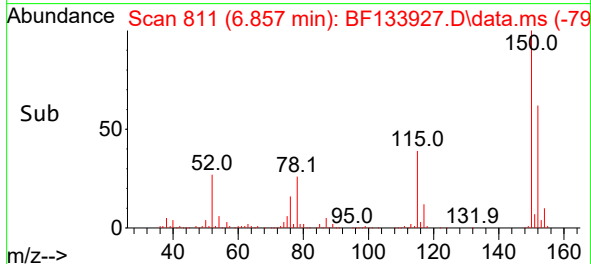
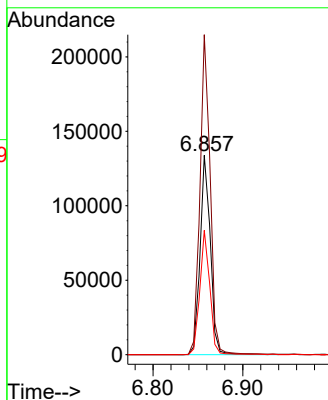
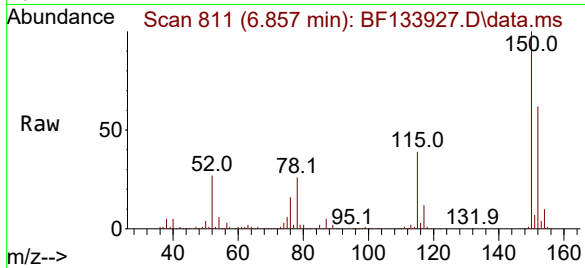




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

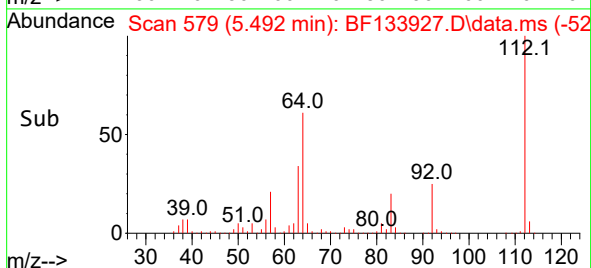
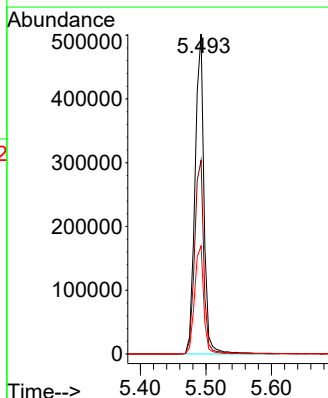
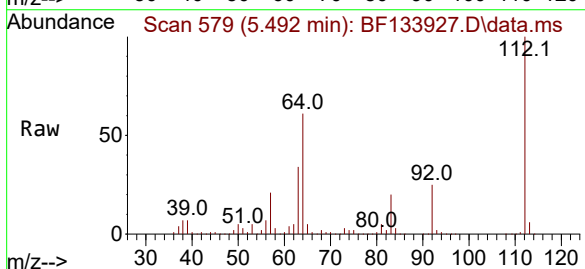
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

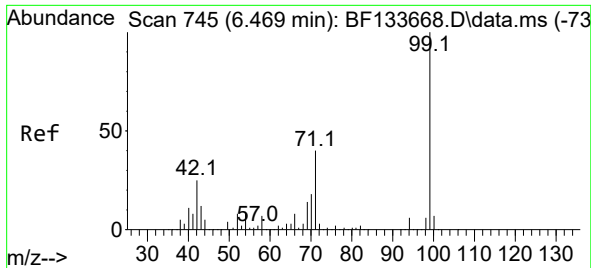
Tgt Ion:152 Resp: 106632
Ion Ratio Lower Upper
152 100
150 160.5 124.3 186.5
115 62.4 48.5 72.7



#5
2-Fluorophenol
Concen: 78.109 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:112 Resp: 478425
Ion Ratio Lower Upper
112 100
64 60.5 49.0 73.4
63 33.8 26.8 40.2

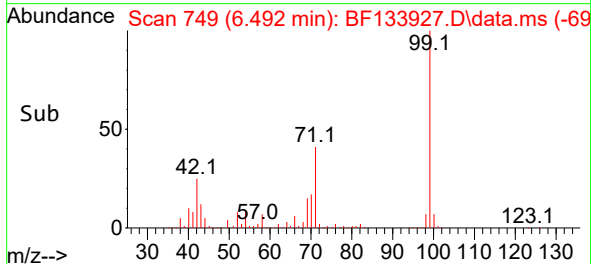
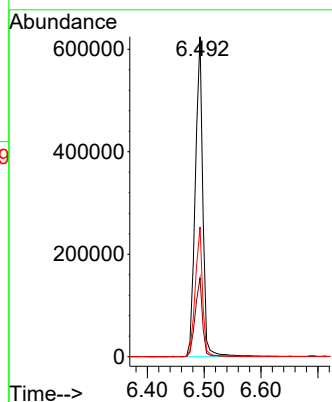
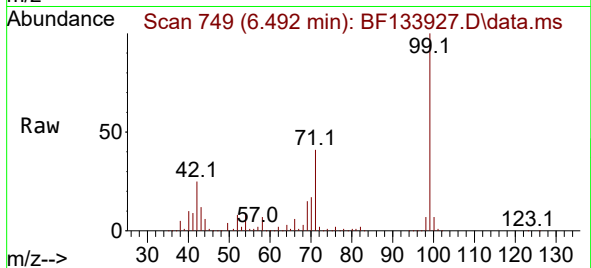




#7
Phenol-d6
Concen: 72.886 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

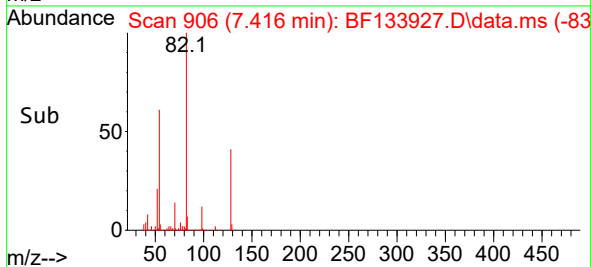
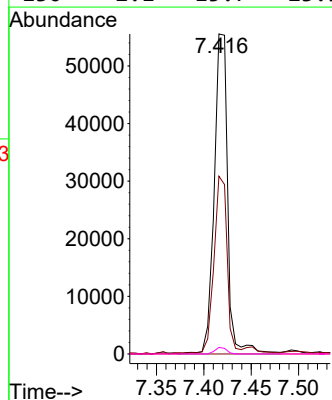
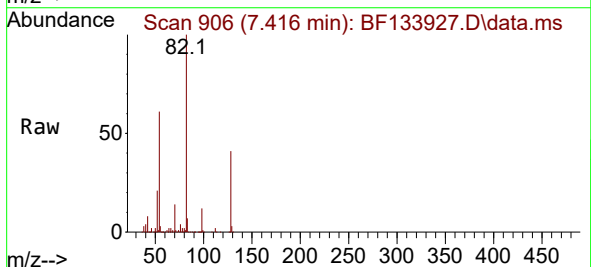
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

Tgt Ion: 99 Resp: 581106
Ion Ratio Lower Upper
99 100
42 24.6 19.9 29.9
71 40.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.858 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion: 70 Resp: 55079
Ion Ratio Lower Upper
70 100
42 55.6 55.8 83.8#
101 0.0 8.1 12.1#
130 2.1 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.139 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8

Tgt Ion:136 Resp: 396456

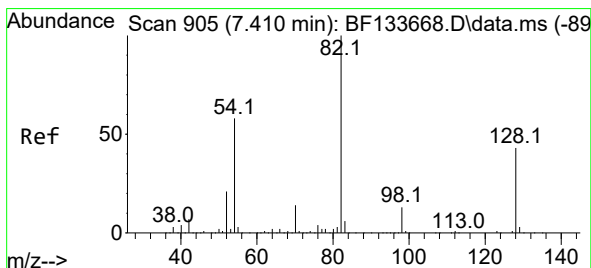
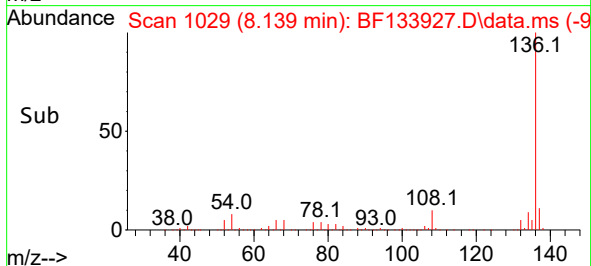
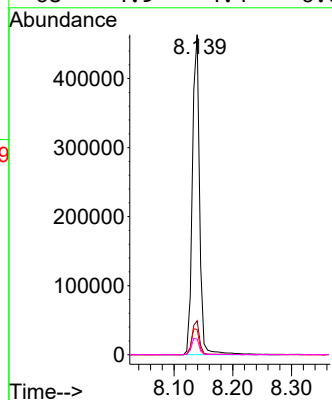
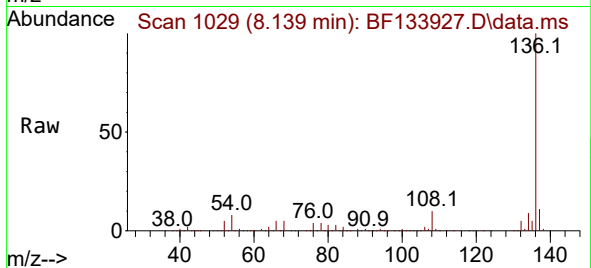
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.8 7.4 11.0

68 4.9 4.4 6.6



#23

Nitrobenzene-d5

Concen: 53.511 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

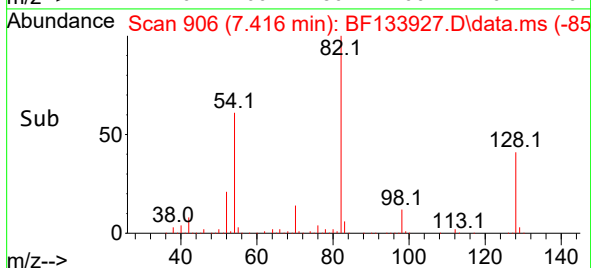
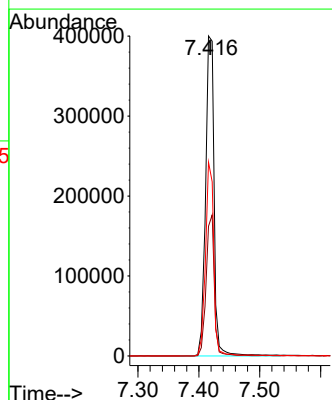
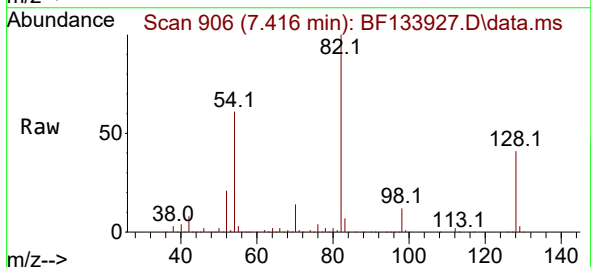
Tgt Ion: 82 Resp: 389498

Ion Ratio Lower Upper

82 100

128 40.6 34.2 51.2

54 60.5 46.5 69.7

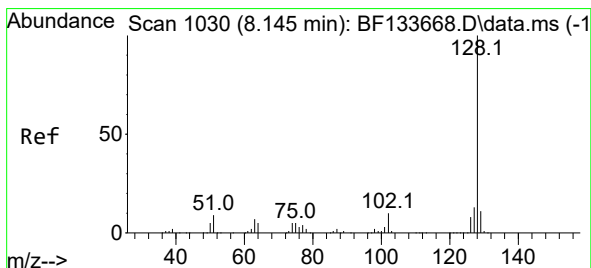
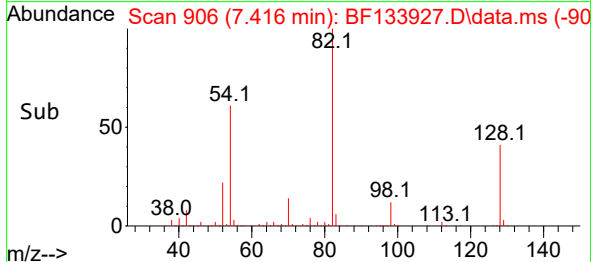
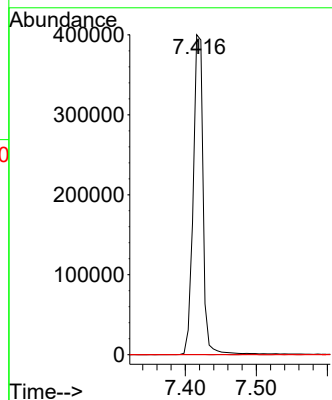
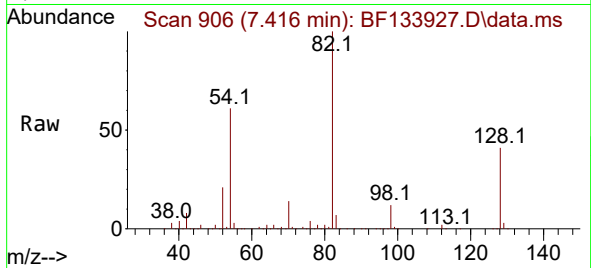




#25
Isophorone
Concen: 29.027 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

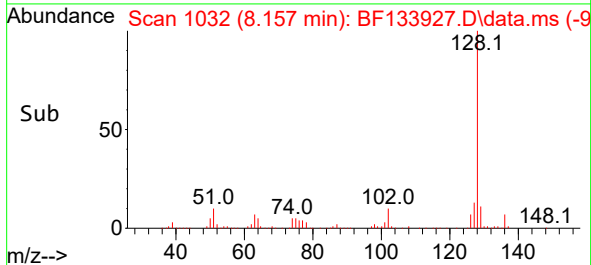
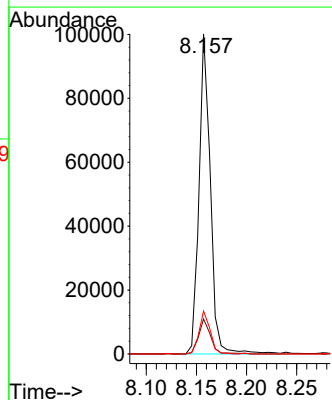
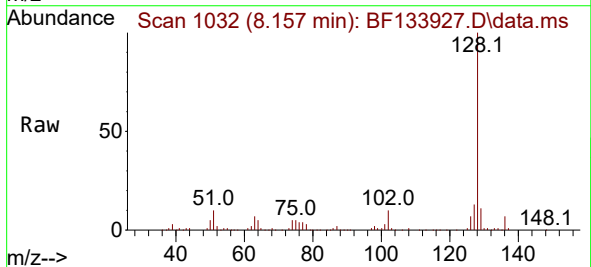
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

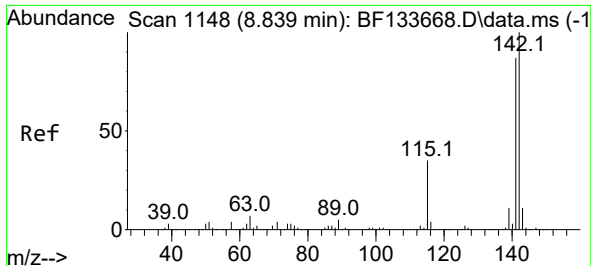
Tgt Ion: 82 Resp: 387895
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 4.084 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:128 Resp: 78883
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.4 10.5 15.7

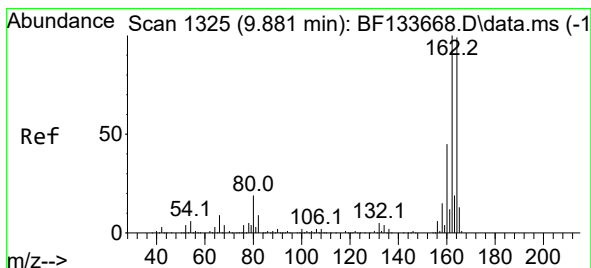
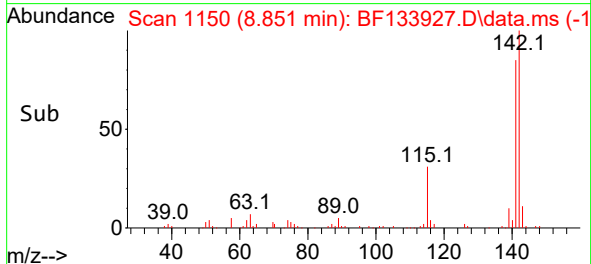
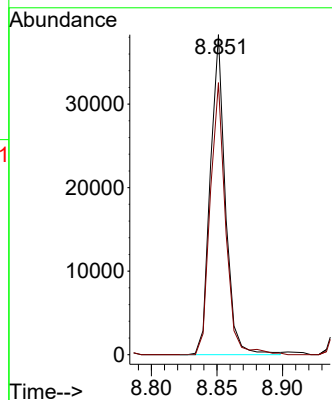
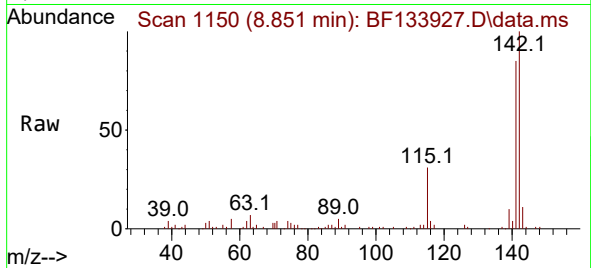




#37
2-Methylnaphthalene
Concen: 2.285 ng
RT: 8.851 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

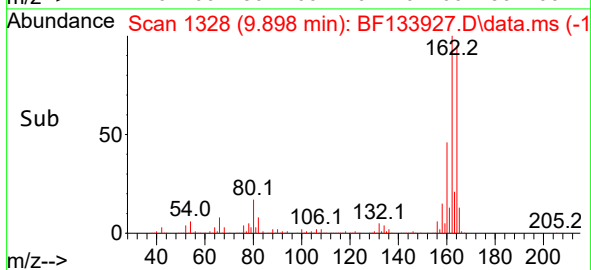
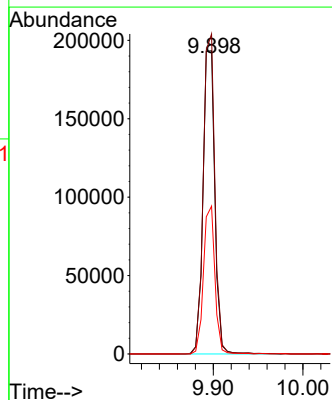
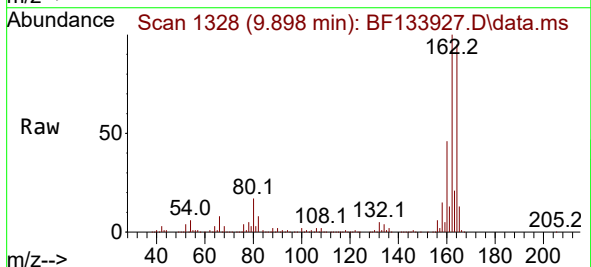
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

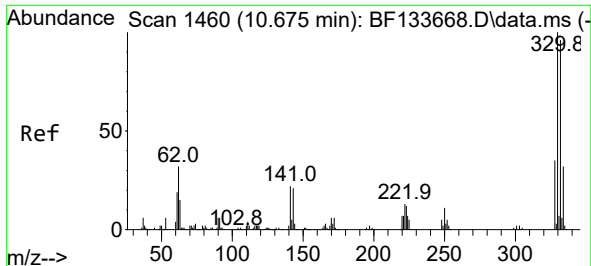
Tgt Ion:142 Resp: 30670
Ion Ratio Lower Upper
142 100
141 85.0 69.8 104.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:164 Resp: 176729
Ion Ratio Lower Upper
164 100
162 105.6 80.8 121.2
160 48.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 66.958 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF133927.D

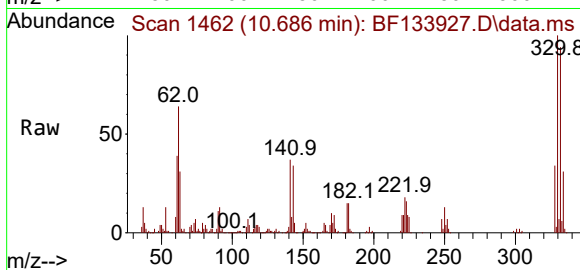
Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8



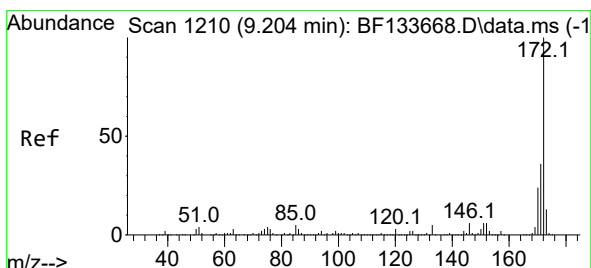
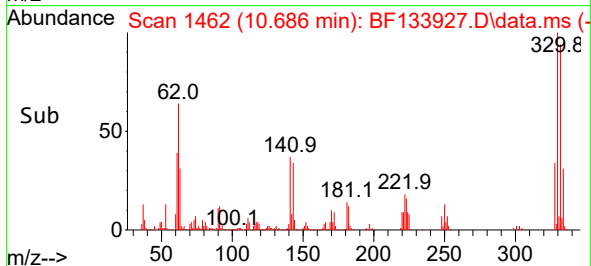
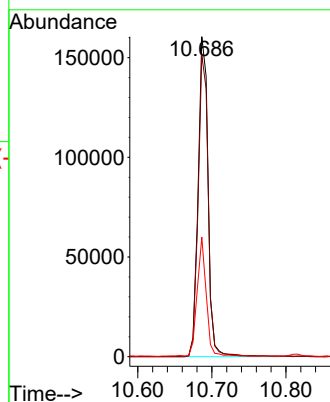
Tgt Ion:330 Resp: 149789

Ion Ratio Lower Upper

330 100

332 94.7 77.2 115.8

141 34.2 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 58.875 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

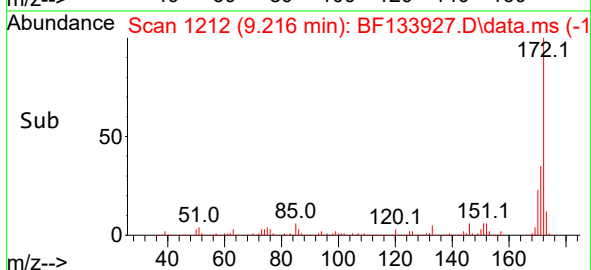
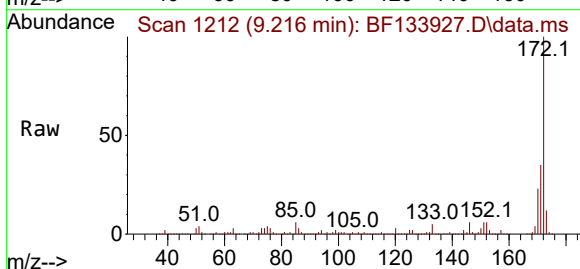
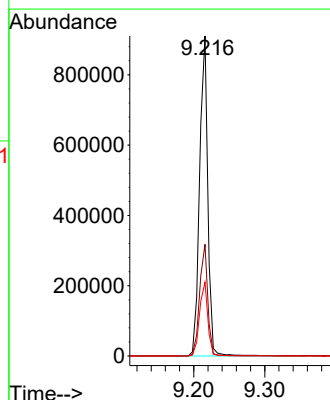
Tgt Ion:172 Resp: 731954

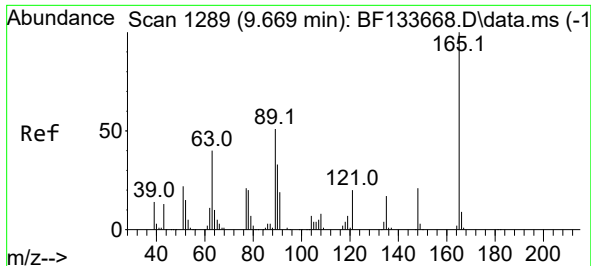
Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 23.1 19.1 28.7

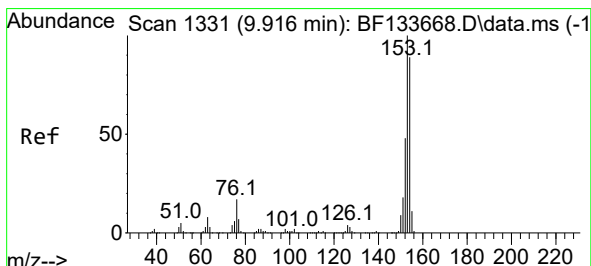
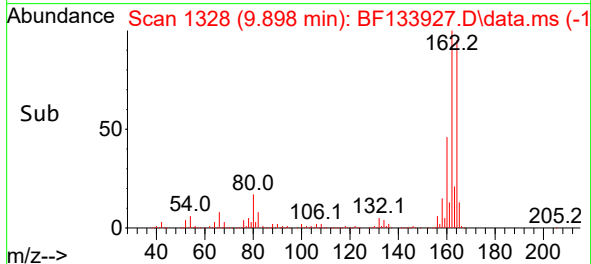
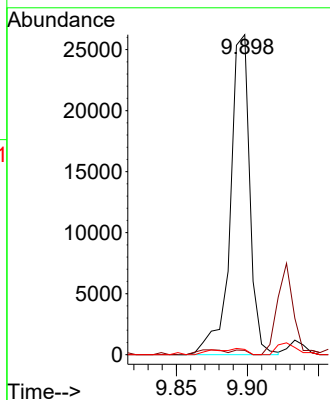
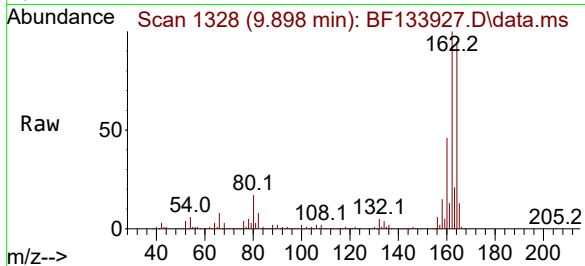




#51
2,6-Dinitrotoluene
Concen: 9.197 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

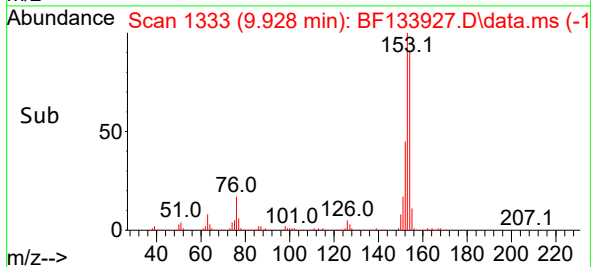
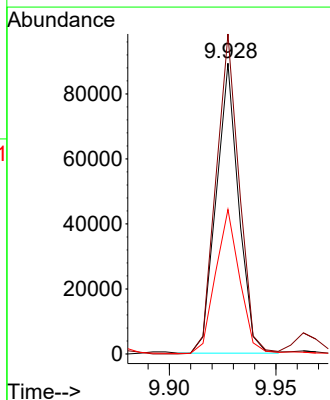
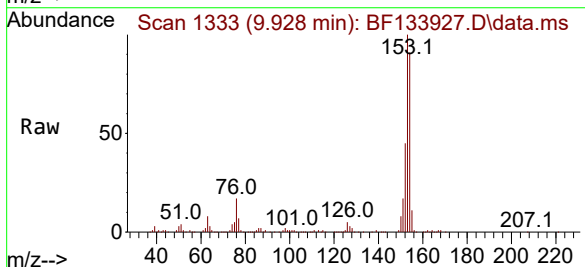
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

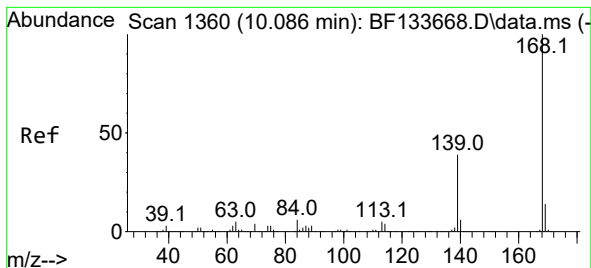
Tgt Ion:165 Resp: 25041
Ion Ratio Lower Upper
165 100
63 1.4 42.1 63.1#
89 1.7 40.9 61.3#



#52
Acenaphthene
Concen: 6.274 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:154 Resp: 65355
Ion Ratio Lower Upper
154 100
153 110.1 89.8 134.8
152 49.7 43.4 65.2





#55

Dibenzenofuran

Concen: 4.161 ng

RT: 10.098 min Scan# 1362

Delta R.T. -0.012 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8

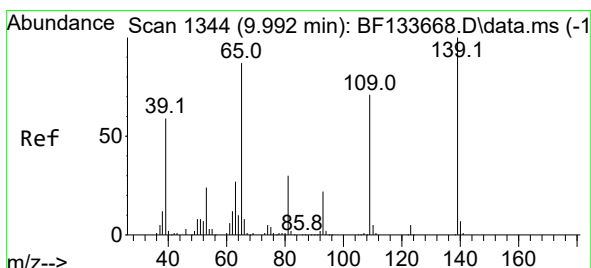
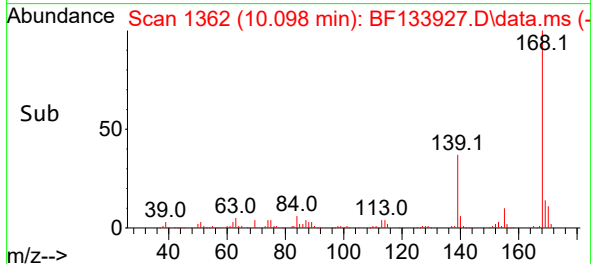
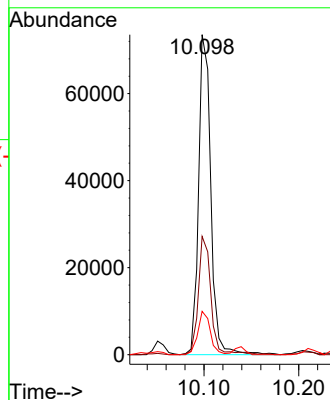
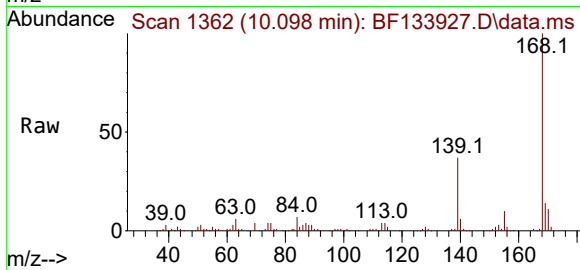
Tgt Ion:168 Resp: 66137

Ion Ratio Lower Upper

168 100

139 36.9 30.9 46.3

169 13.5 10.9 16.3



#56

4-Nitrophenol

Concen: 11.309 ng

RT: 10.098 min Scan# 1362

Delta R.T. 0.077 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

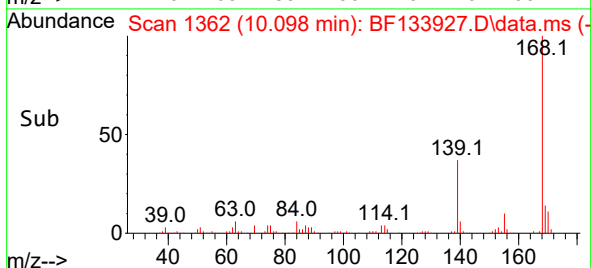
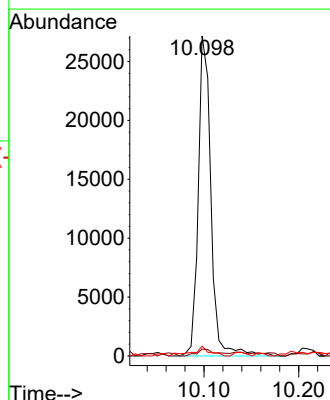
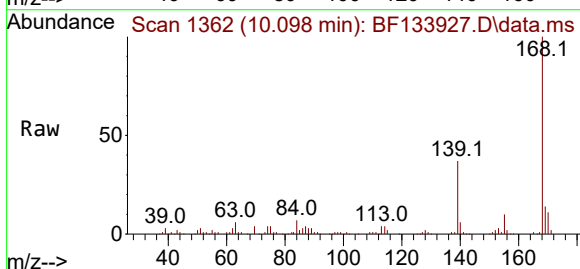
Tgt Ion:139 Resp: 25289

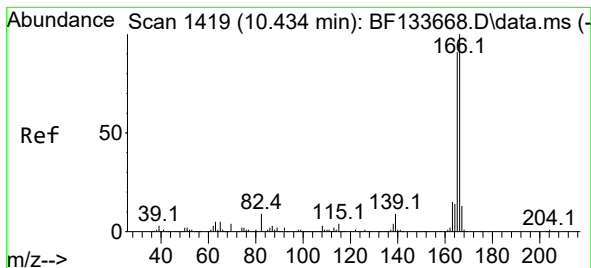
Ion Ratio Lower Upper

139 100

109 2.1 50.7 90.7#

65 3.0 67.1 107.1#





#58

Fluorene

Concen: 7.517 ng

RT: 10.445 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8

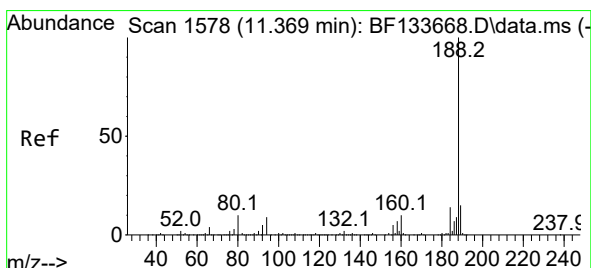
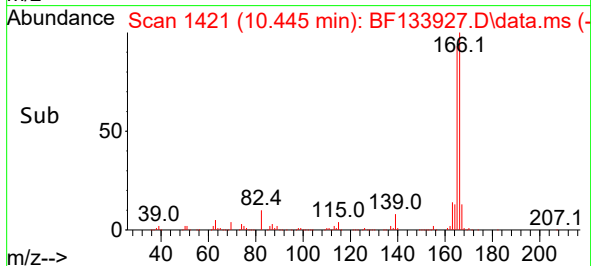
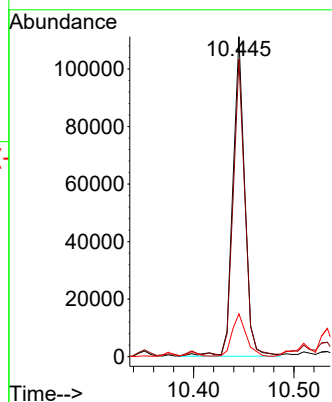
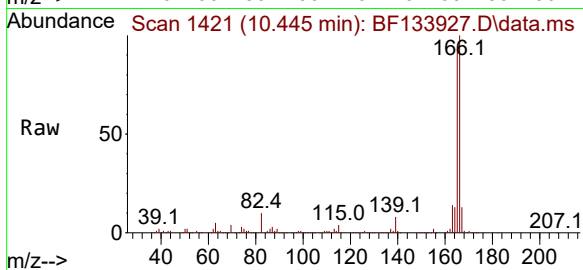
Tgt Ion:166 Resp: 91363

Ion Ratio Lower Upper

166 100

165 92.9 73.1 109.7

167 13.4 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

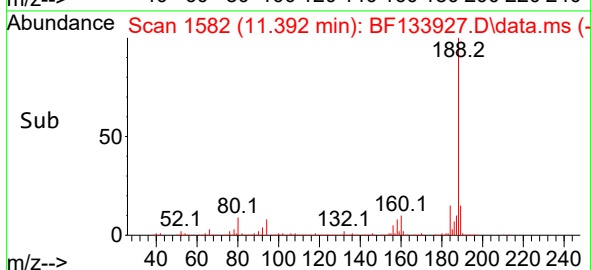
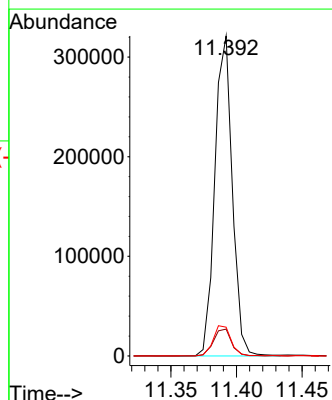
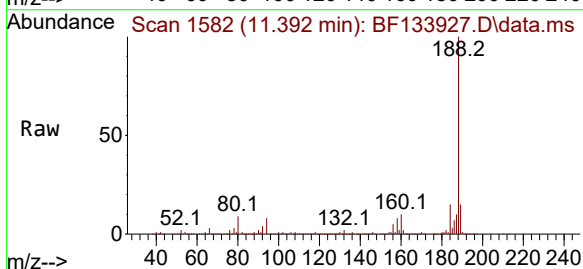
Tgt Ion:188 Resp: 296928

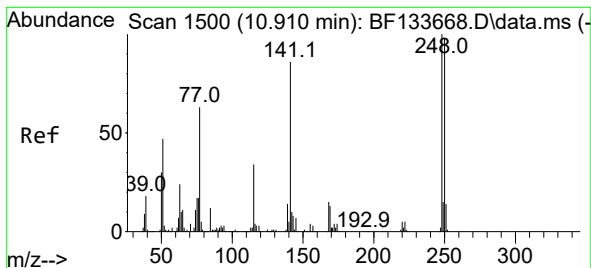
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.0 7.8 11.6

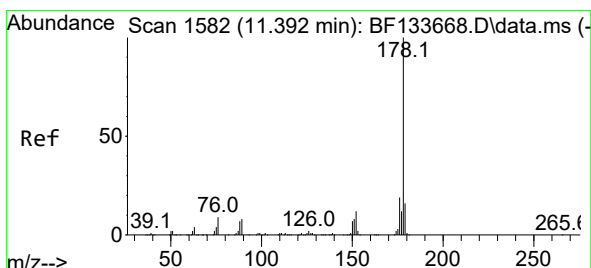
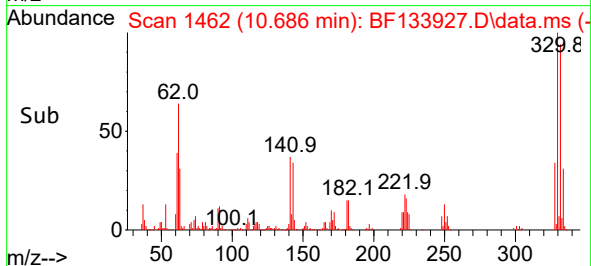
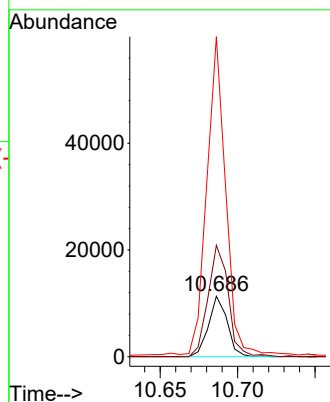
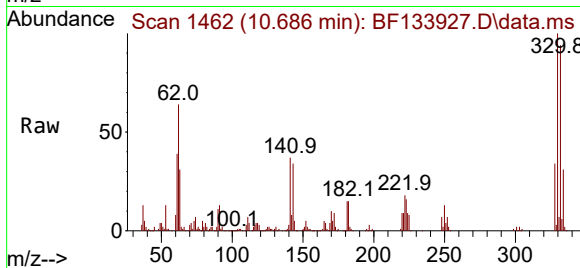




#67
4-Bromophenyl-phenylether
Concen: 2.882 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

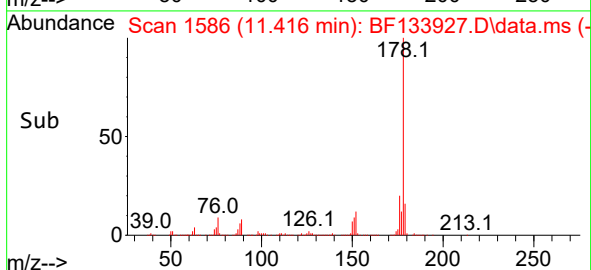
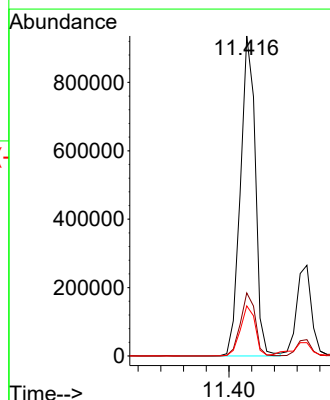
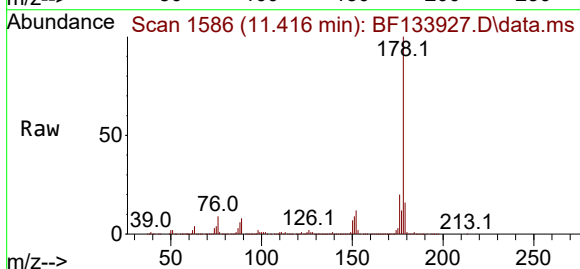
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

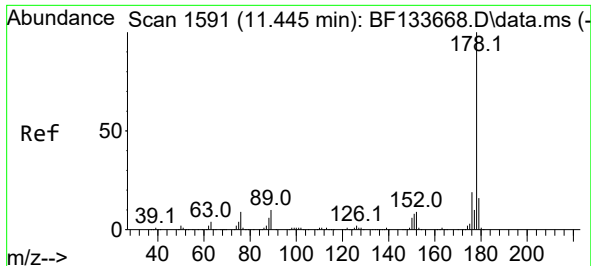
Tgt Ion:248 Resp: 9552
Ion Ratio Lower Upper
248 100
250 183.8 78.3 117.5#
141 528.4 69.0 103.6#



#71
Phenanthrene
Concen: 56.613 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:178 Resp: 852861
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.7 12.4 18.6

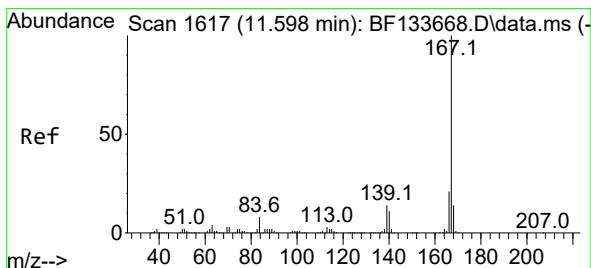
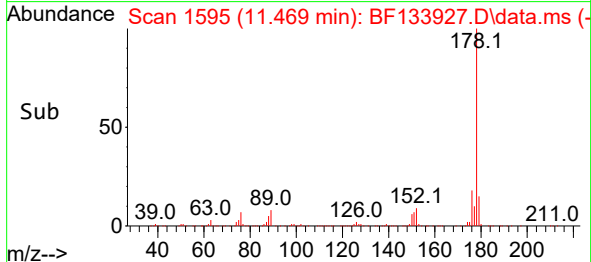
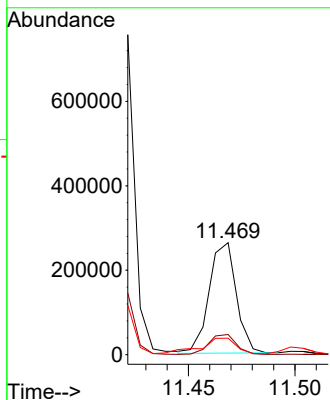
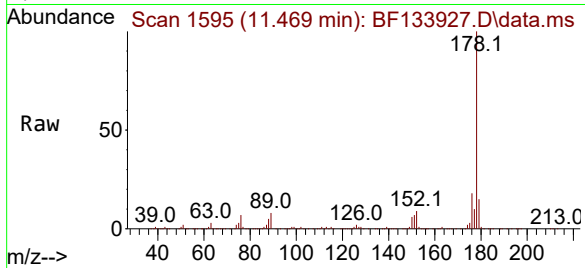




#72
 Anthracene
 Concen: 14.828 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF133927.D
 Acq: 23 Jun 2023 05:14

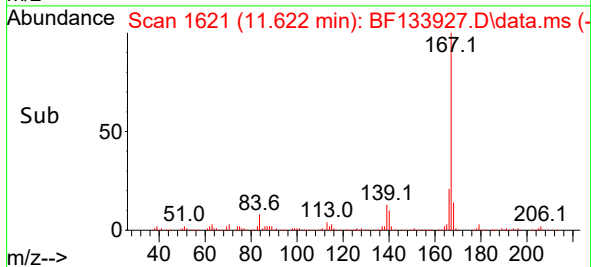
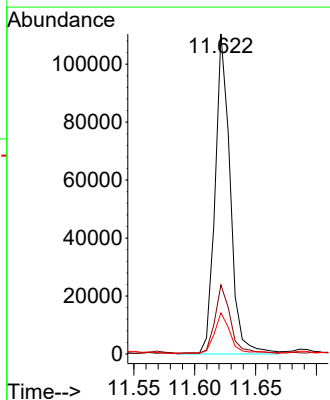
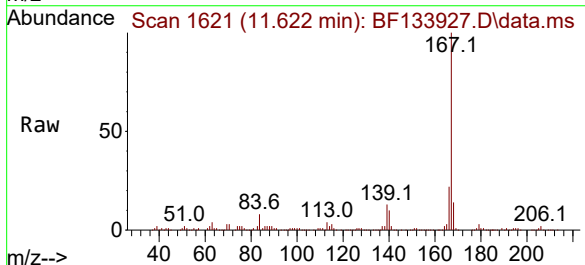
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW02-0-8

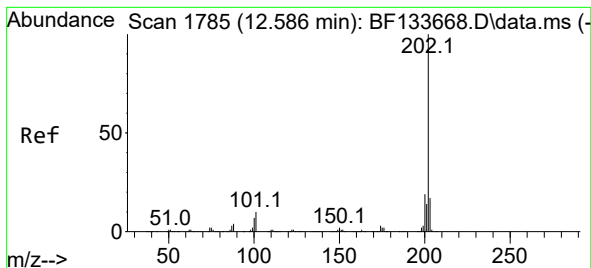
Tgt Ion:178 Resp: 232920
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.1 22.7
 179 14.7 12.6 18.8



#73
 Carbazole
 Concen: 6.534 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF133927.D
 Acq: 23 Jun 2023 05:14

Tgt Ion:167 Resp: 95596
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 12.9 11.2 16.8





#75

Fluoranthene

Concen: 82.022 ng

RT: 12.616 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8

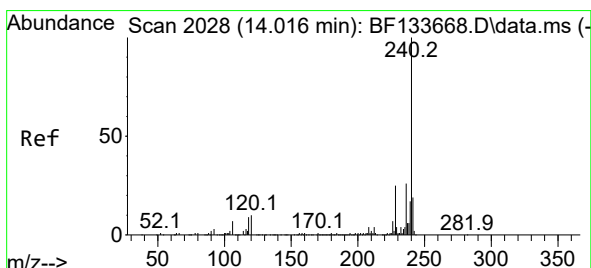
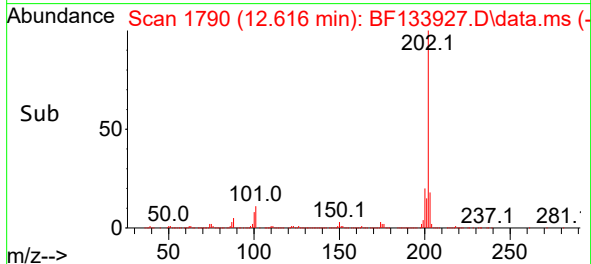
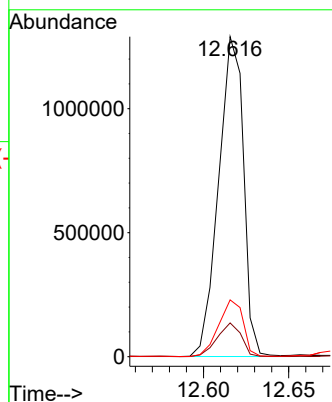
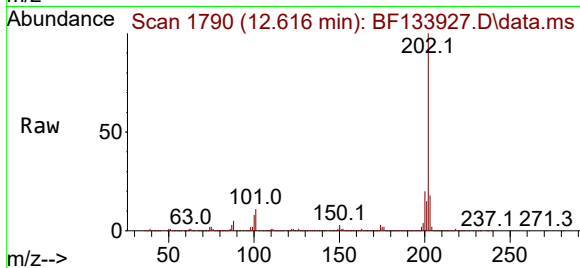
Tgt Ion:202 Resp: 1312152

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.6

203 17.8 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

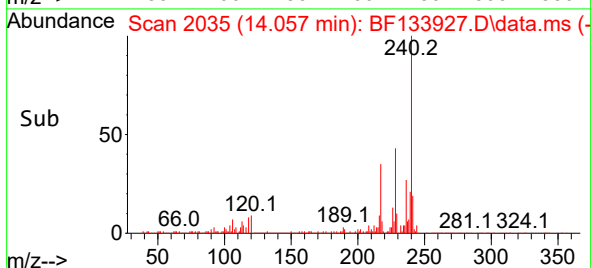
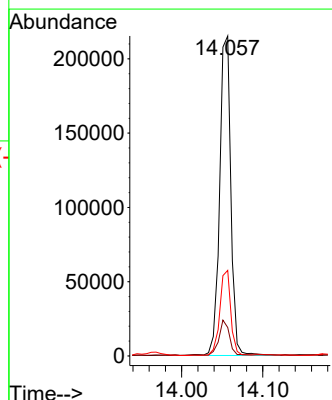
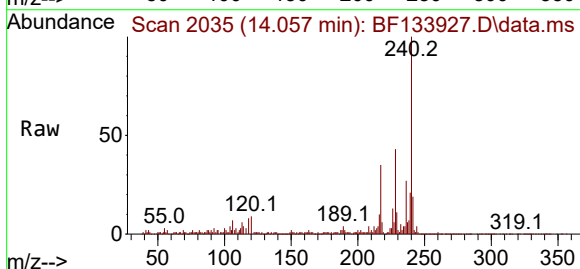
Tgt Ion:240 Resp: 206720

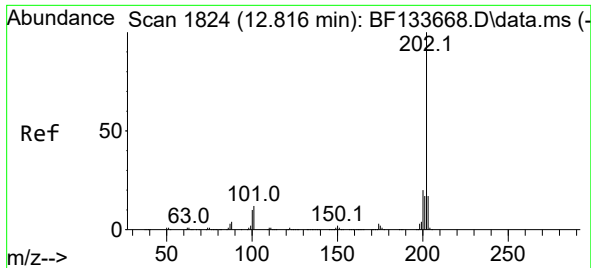
Ion Ratio Lower Upper

240 100

120 8.9 8.1 12.1

236 26.8 20.5 30.7

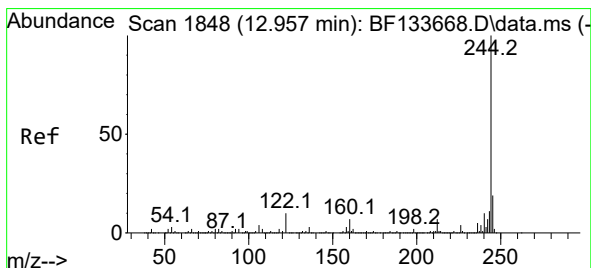
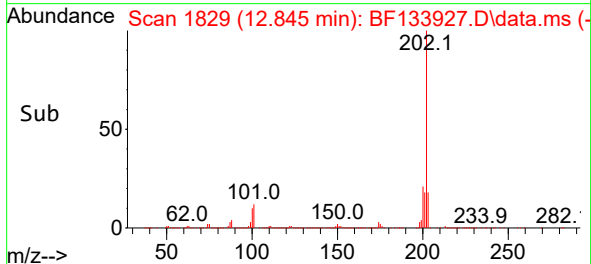
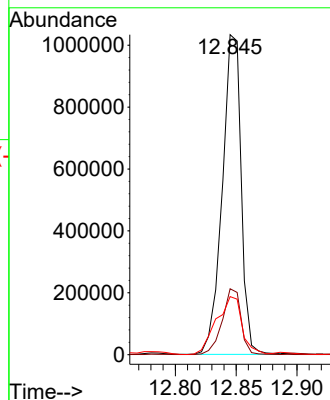
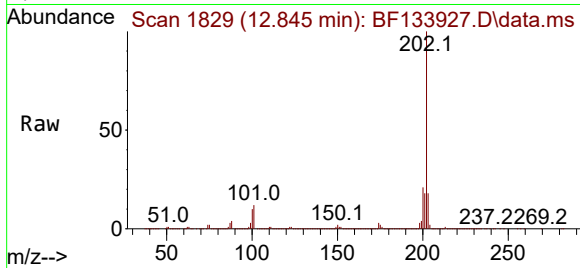




#78
Pyrene
Concen: 58.211 ng
RT: 12.845 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

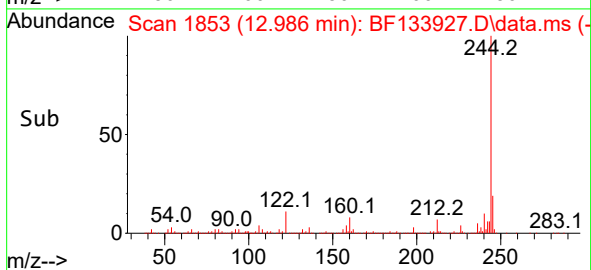
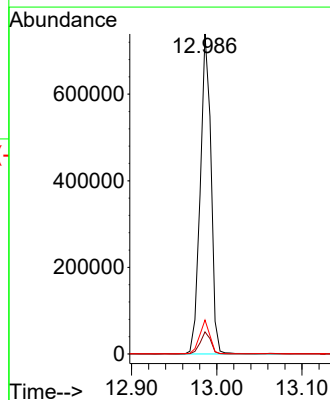
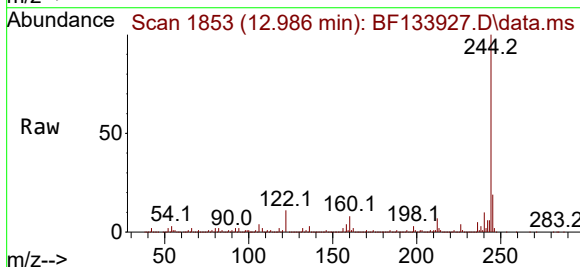
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

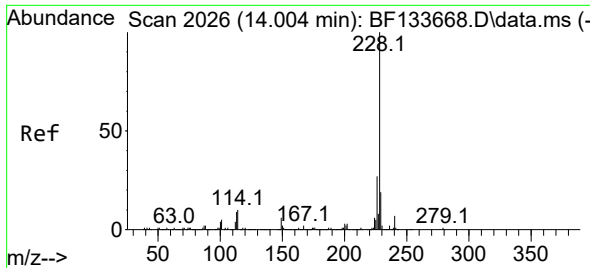
Tgt Ion:202 Resp: 1120950
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.1 13.9 20.9



#79
Terphenyl-d14
Concen: 48.459 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:244 Resp: 647393
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 10.6 8.1 12.1

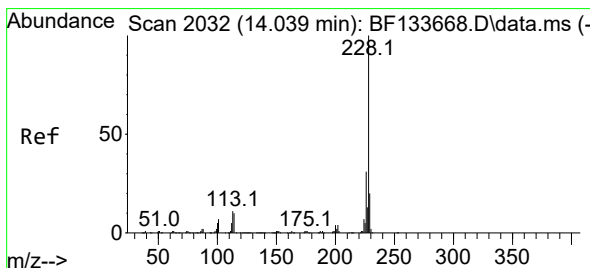
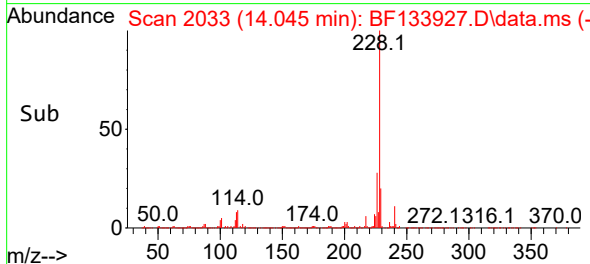
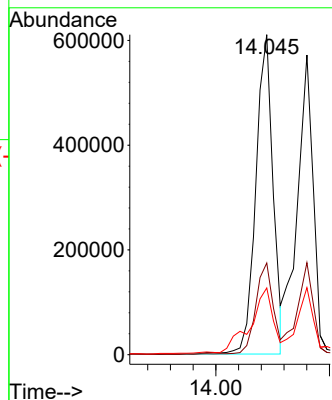
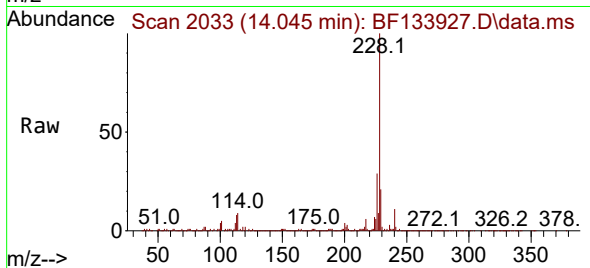




#81
Benzo(a)anthracene
Concen: 44.873 ng
RT: 14.045 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

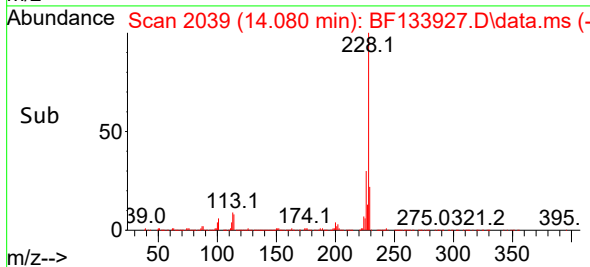
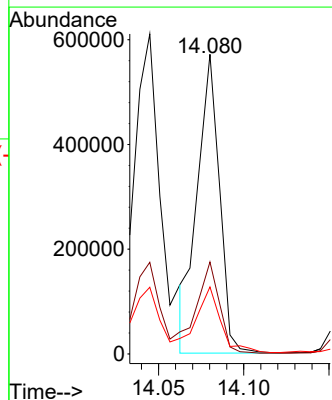
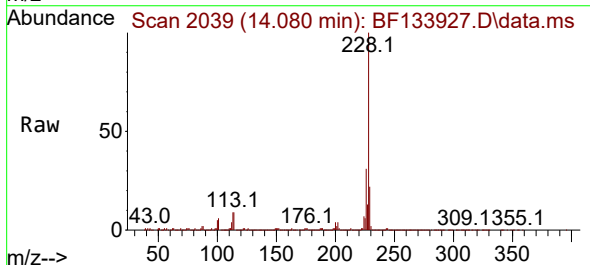
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

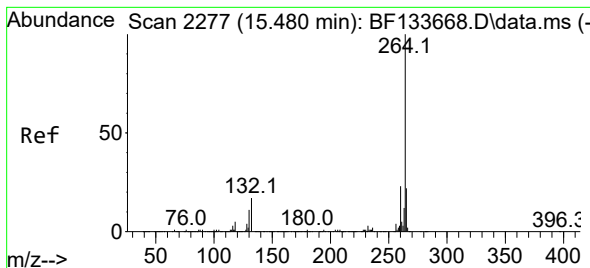
Tgt Ion:228 Resp: 641638
Ion Ratio Lower Upper
228 100
226 28.7 21.7 32.5
229 20.8 15.4 23.2



#83
Chrysene
Concen: 38.152 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:228 Resp: 515978
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8

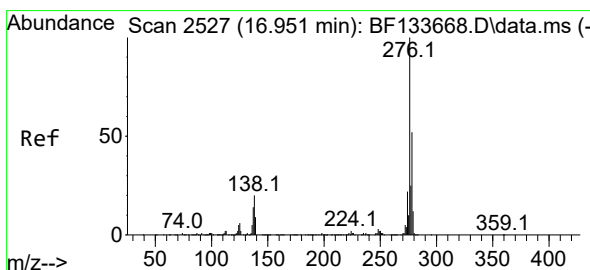
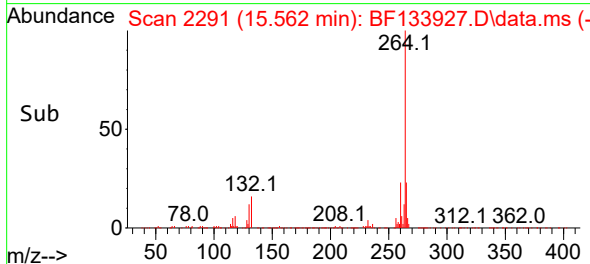
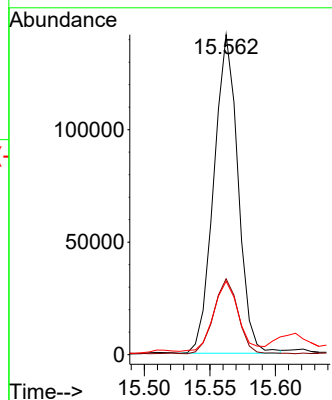
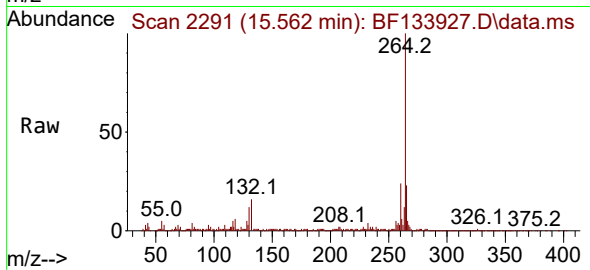
Tgt Ion:264 Resp: 182004

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.2

265 22.9 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.253 ng

RT: 17.109 min Scan# 2554

Delta R.T. -0.012 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

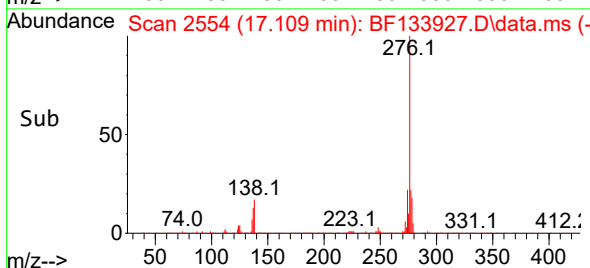
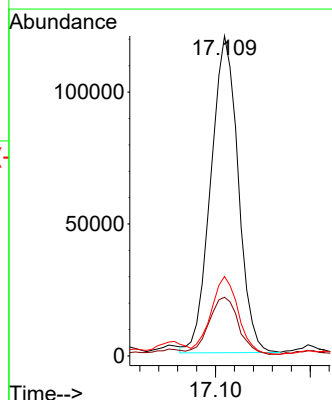
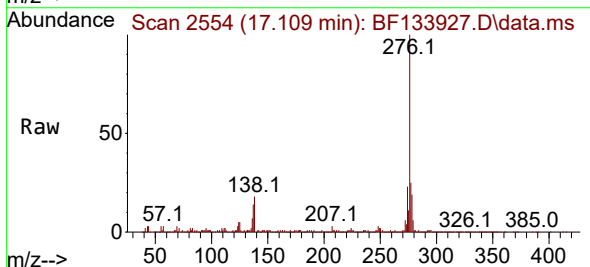
Tgt Ion:276 Resp: 241074

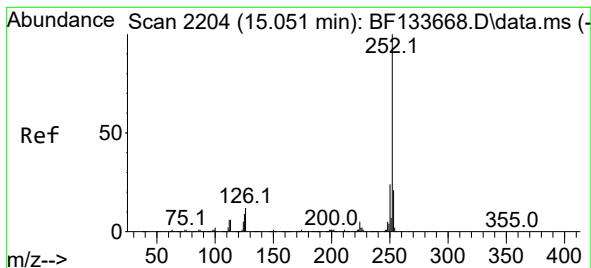
Ion Ratio Lower Upper

276 100

138 19.4 17.9 26.9

277 24.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 75.826 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.006 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8

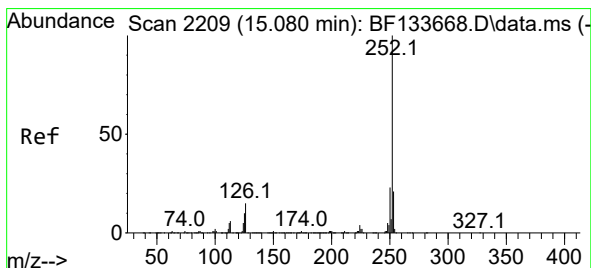
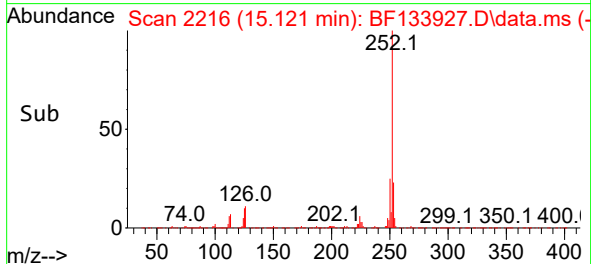
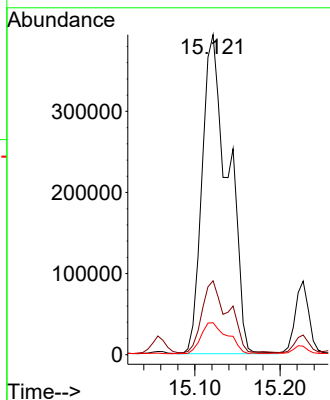
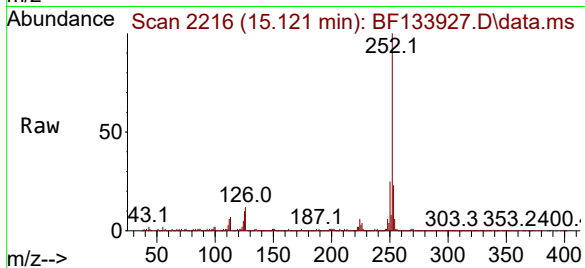
Tgt Ion:252 Resp: 838332

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 10.0 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 77.841 ng

RT: 15.121 min Scan# 2216

Delta R.T. -0.023 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

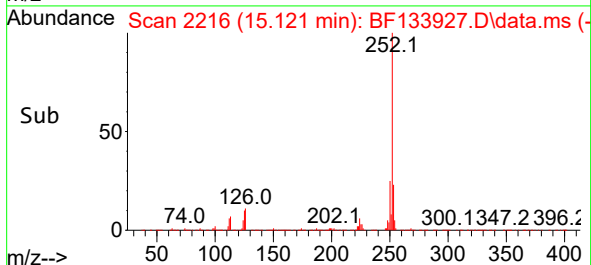
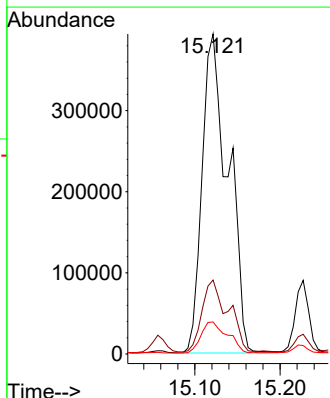
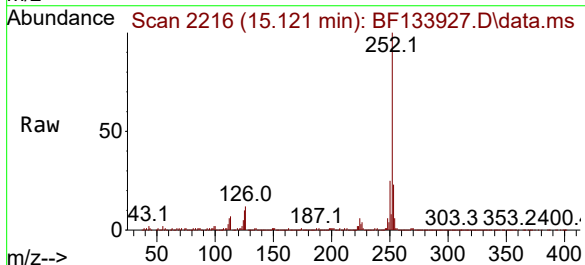
Tgt Ion:252 Resp: 838332

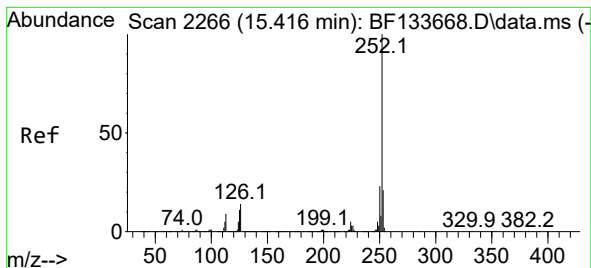
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

125 10.0 7.8 11.6





#90

Benzo(a)pyrene

Concen: 41.649 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8

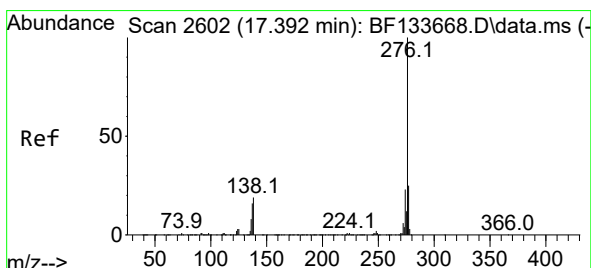
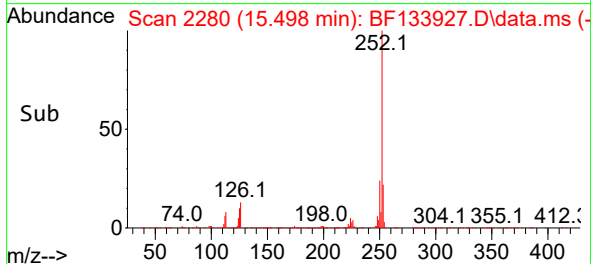
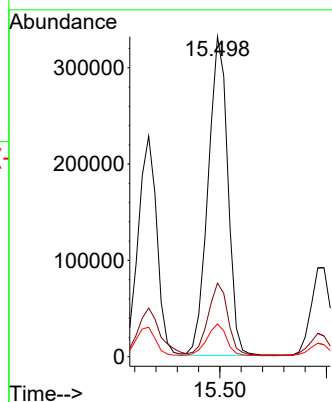
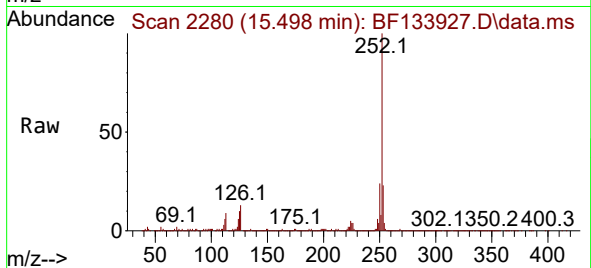
Tgt Ion:252 Resp: 427354

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 10.3 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 21.074 ng

RT: 17.586 min Scan# 2635

Delta R.T. -0.006 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Tgt Ion:276 Resp: 216596

Ion Ratio Lower Upper

276 100

277 22.8 19.8 29.8

138 19.7 15.0 22.4

