

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133925.D
 Acq On : 23 Jun 2023 04:10
 Operator : CG\JU
 Sample :
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-8-15

Quant Time: Jun 23 05:07:45 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)

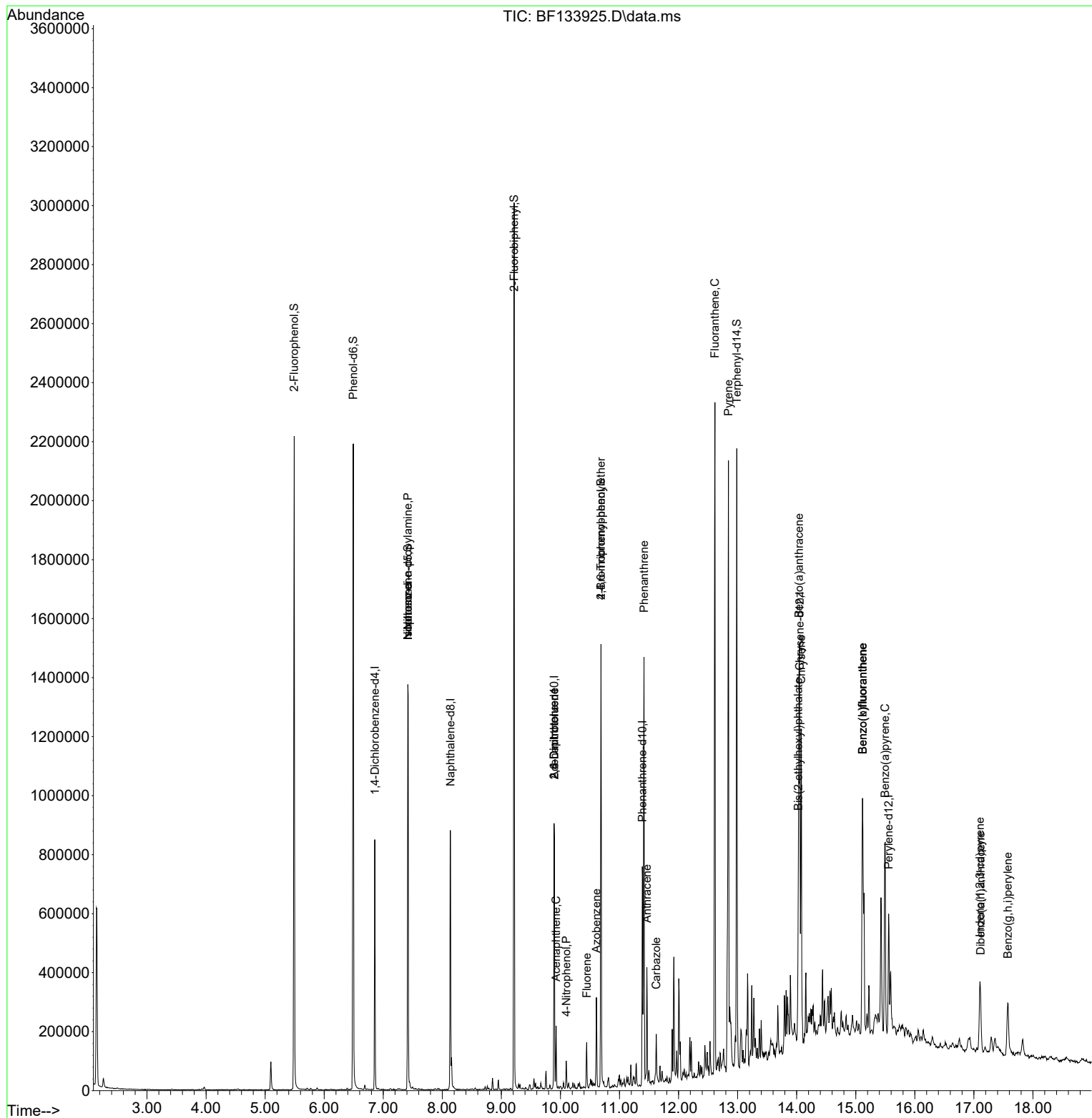
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	109697	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	405237	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	184136	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	292076	20.000	ng	0.00
76) Chrysene-d12	14.051	240	212659	20.000	ng	0.00
86) Perylene-d12	15.557	264	194017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	548481	87.044	ng	0.00
7) Phenol-d6	6.492	99	653271	79.648	ng	0.00
23) Nitrobenzene-d5	7.416	82	444038	59.682	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	166282	71.340	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	812462	62.721	ng	0.00
79) Terphenyl-d14	12.986	244	663299	48.263	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	60474	11.588	ng	# 79
25) Isophorone	7.416	82	444032	32.508	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	24690	8.703	ng	# 28
52) Acenaphthene	9.928	154	37195	3.427	ng	96
56) 4-Nitrophenol	10.098	139	10810	4.640	ng	# 12
57) 2,4-Dinitrotoluene	9.892	165	24690	6.843	ng	# 20
58) Fluorene	10.445	166	42811	3.381	ng	99
63) Azobenzene	10.610	77	47904	3.617	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	9974	3.060	ng	# 1
71) Phenanthrene	11.416	178	514347	34.710	ng	100
72) Anthracene	11.463	178	138626	8.972	ng	98
73) Carbazole	11.622	167	60910	4.233	ng	99
75) Fluoranthene	12.616	202	933130	59.298	ng	100
78) Pyrene	12.845	202	862127	43.520	ng	100
81) Benzo(a)anthracene	14.039	228	503348	34.219	ng	98
83) Chrysene	14.074	228	420347	30.213	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	98535	9.569	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	172052	12.890	ng	97
88) Benzo(b)fluoranthene	15.115	252	664629	56.393	ng	97
89) Benzo(k)fluoranthene	15.115	252	664629	57.891	ng	98
90) Benzo(a)pyrene	15.498	252	343078	31.366	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	42303	3.828	ng	# 91
92) Benzo(g,h,i)perylene	17.574	276	159433	14.552	ng	97

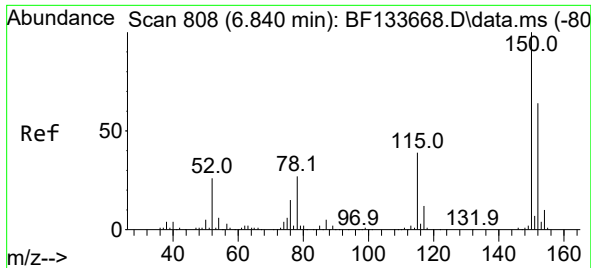
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133925.D
Acq On : 23 Jun 2023 04:10
Operator : CG\JU
Sample :
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

Quant Time: Jun 23 05:07:45 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

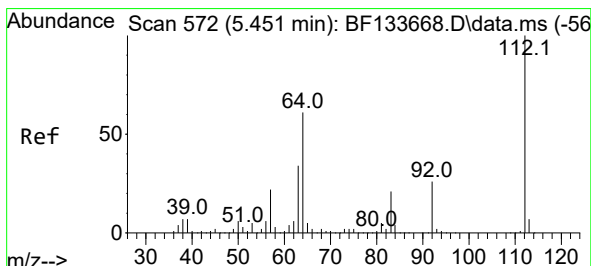
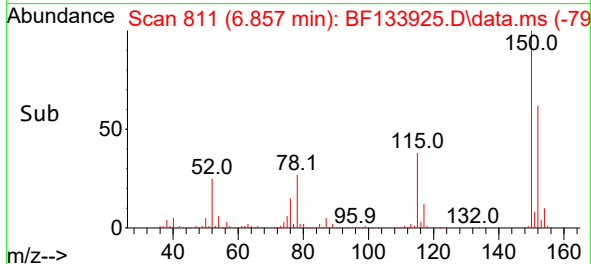
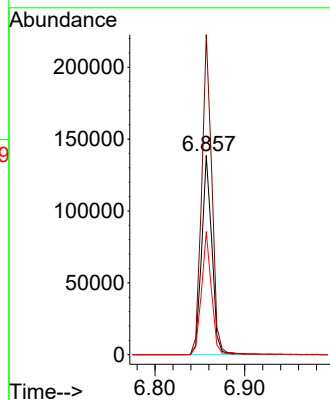
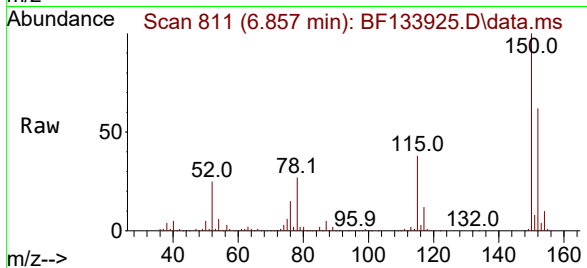




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

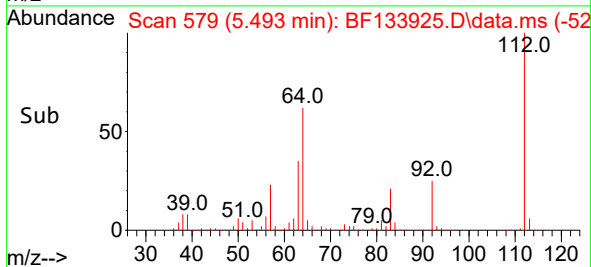
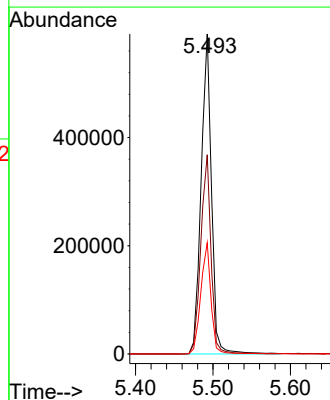
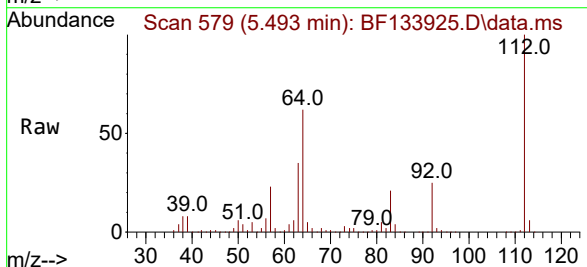
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

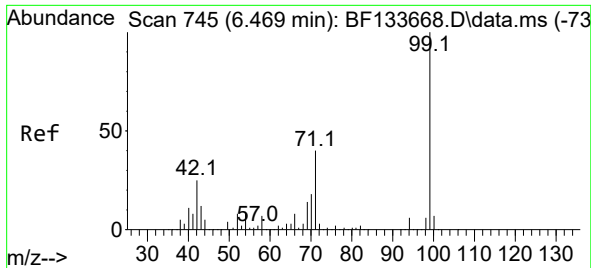
Tgt Ion:152 Resp: 109697
Ion Ratio Lower Upper
152 100
150 160.7 124.3 186.5
115 61.8 48.5 72.7



#5
2-Fluorophenol
Concen: 87.044 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:112 Resp: 548481
Ion Ratio Lower Upper
112 100
64 62.3 49.0 73.4
63 34.8 26.8 40.2

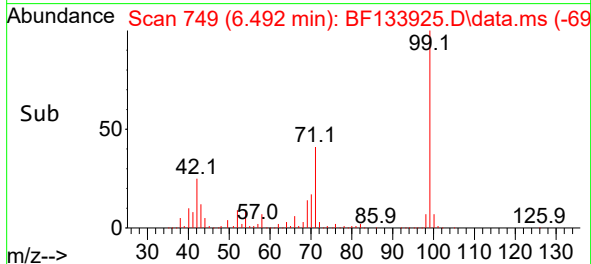
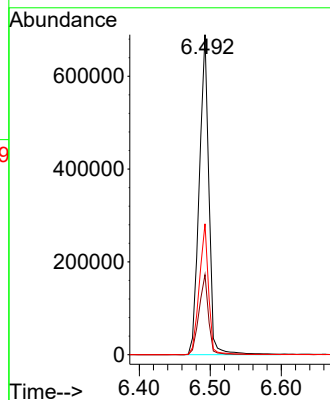
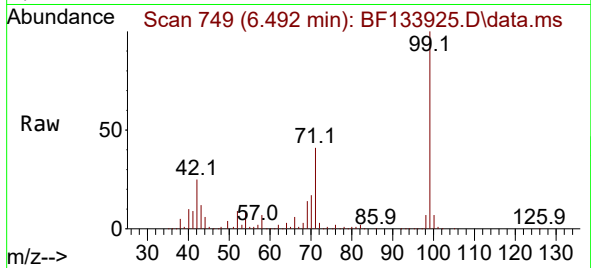




#7
Phenol-d6
Concen: 79.648 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

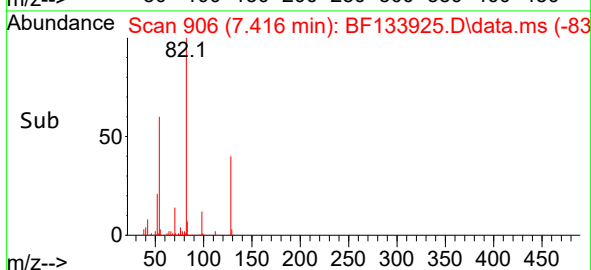
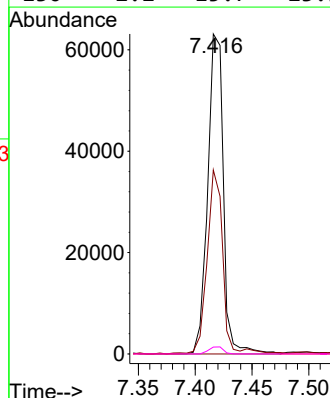
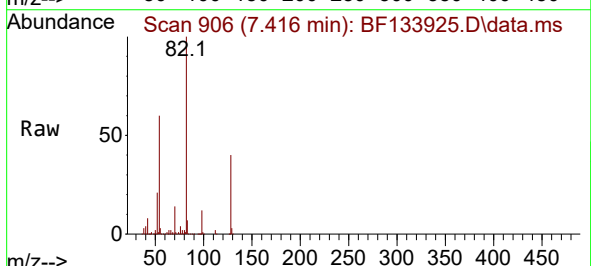
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

Tgt Ion: 99 Resp: 653271
Ion Ratio Lower Upper
99 100
42 25.0 19.9 29.9
71 40.9 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.588 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion: 70 Resp: 60474
Ion Ratio Lower Upper
70 100
42 57.5 55.8 83.8
101 0.0 8.1 12.1#
130 2.2 15.7 23.5#

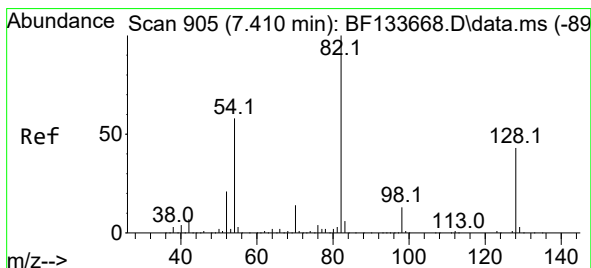
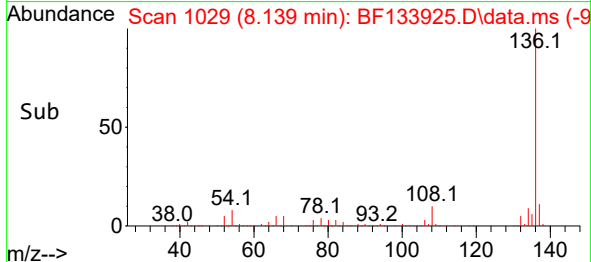
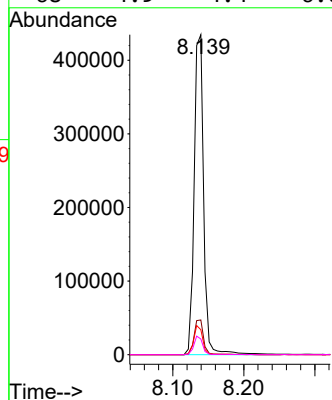
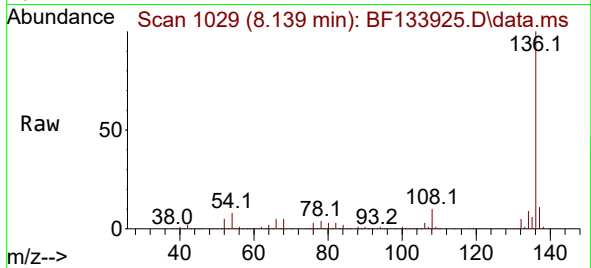




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

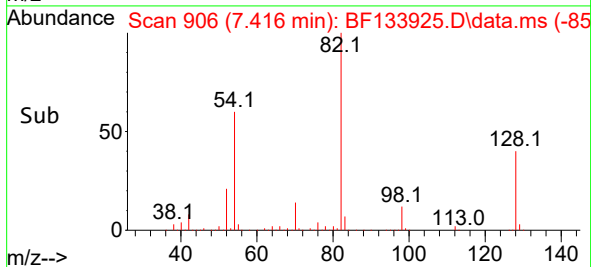
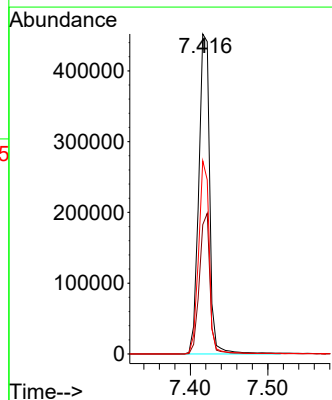
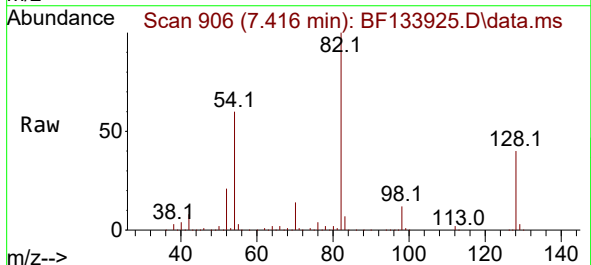
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

Tgt Ion:136 Resp: 405237
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 7.4 11.0
68 4.9 4.4 6.6



#23
Nitrobenzene-d5
Concen: 59.682 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion: 82 Resp: 444038
Ion Ratio Lower Upper
82 100
128 40.4 34.2 51.2
54 60.4 46.5 69.7

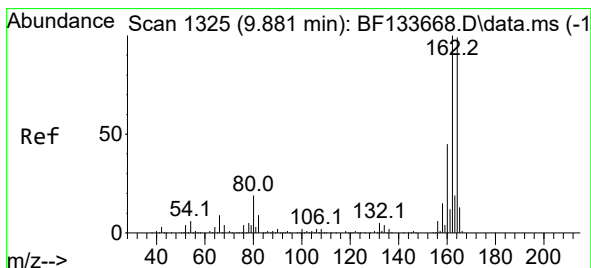
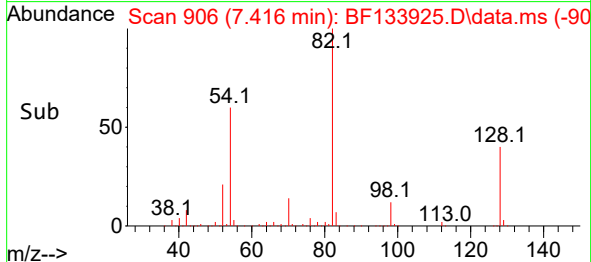
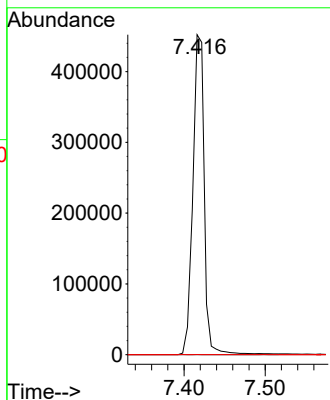
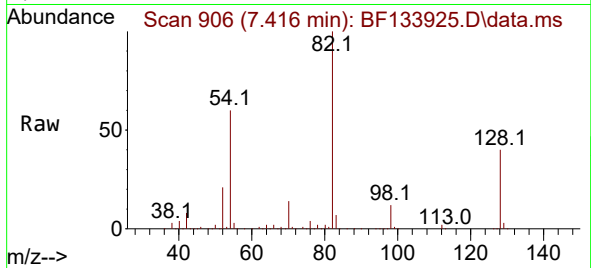




#25
Isophorone
Concen: 32.508 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

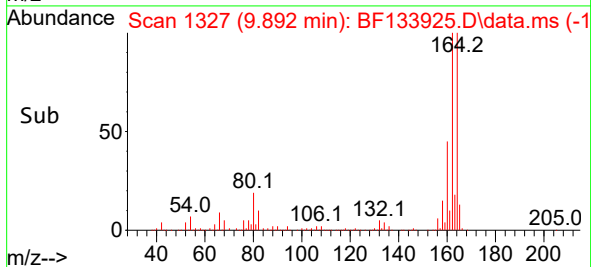
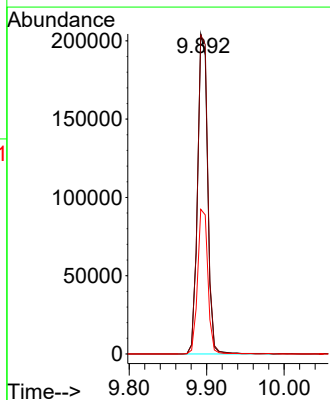
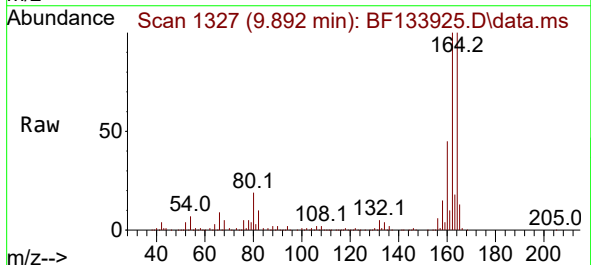
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

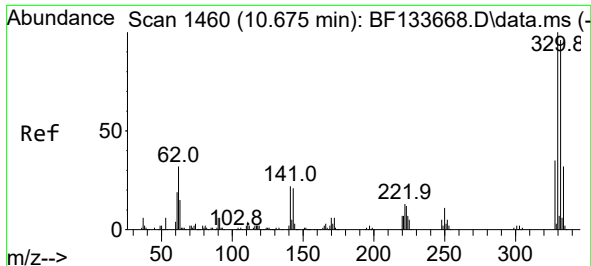
Tgt Ion: 82 Resp: 444032
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:164 Resp: 184136
Ion Ratio Lower Upper
164 100
162 99.7 80.8 121.2
160 45.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 71.340 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF133925.D

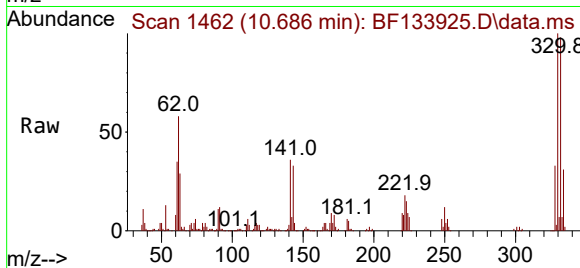
Acq: 23 Jun 2023 04:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-8-15



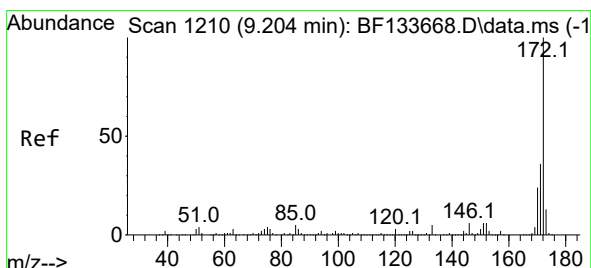
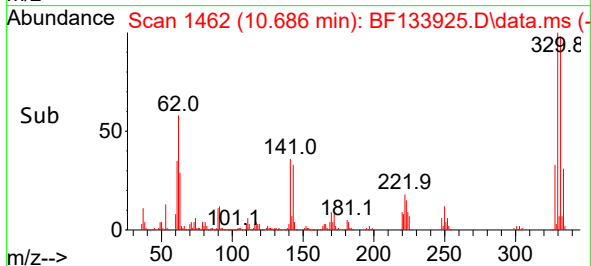
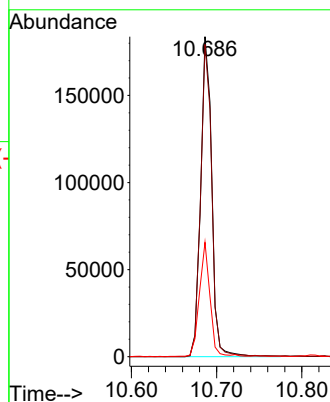
Tgt Ion:330 Resp: 166282

Ion Ratio Lower Upper

330 100

332 98.2 77.2 115.8

141 34.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 62.721 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

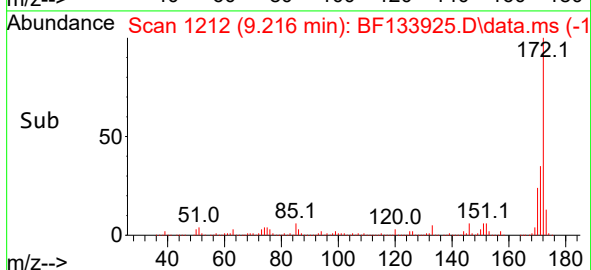
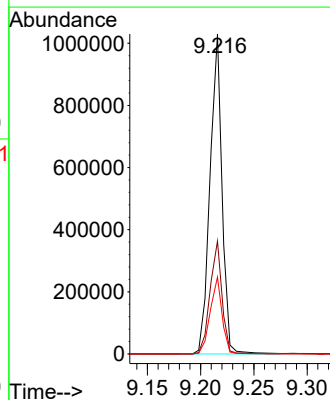
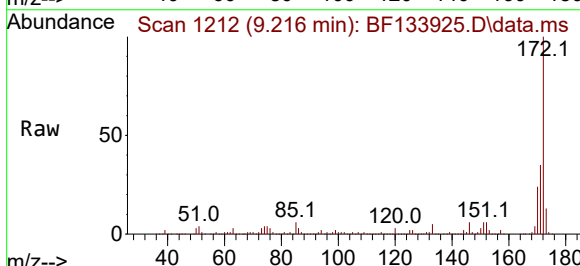
Tgt Ion:172 Resp: 812462

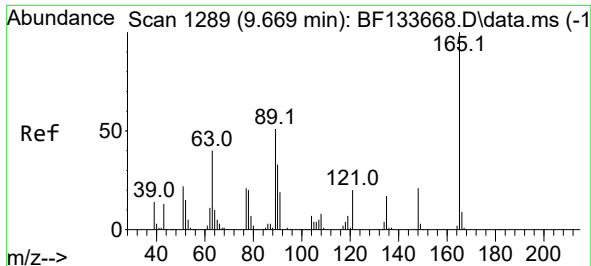
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 24.1 19.1 28.7

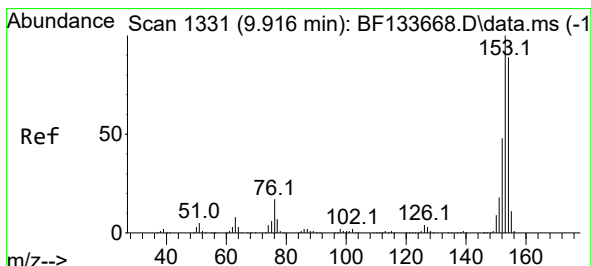
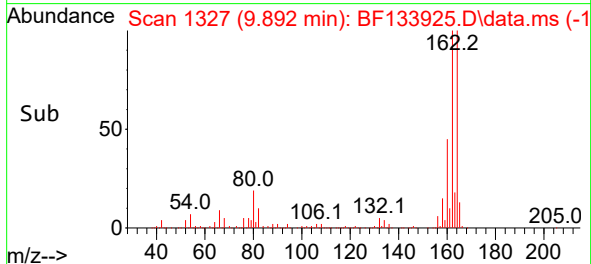
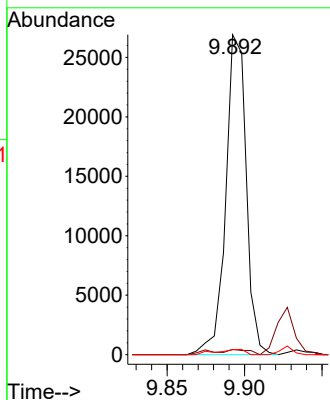
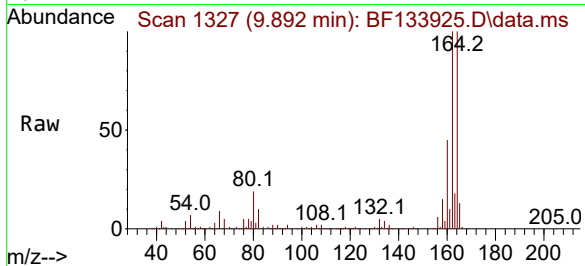




#51
2,6-Dinitrotoluene
Concen: 8.703 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

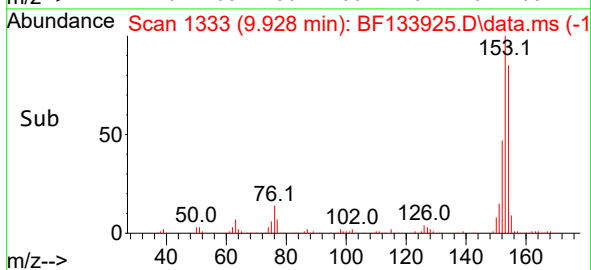
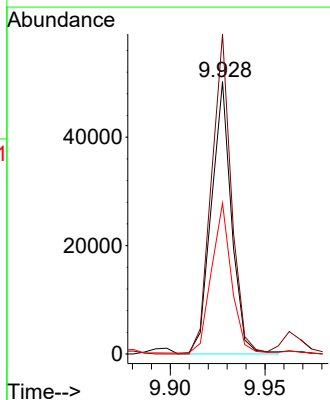
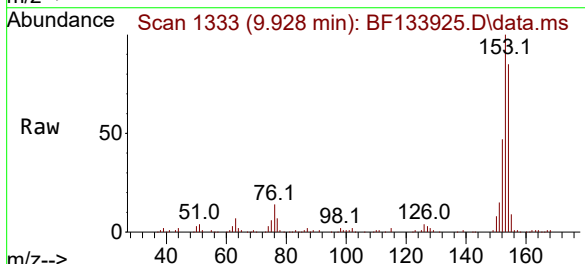
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

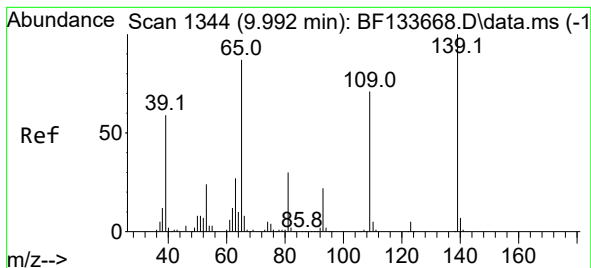
Tgt Ion:165 Resp: 24690
Ion Ratio Lower Upper
165 100
63 1.6 42.1 63.1#
89 1.6 40.9 61.3#



#52
Acenaphthene
Concen: 3.427 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:154 Resp: 37195
Ion Ratio Lower Upper
154 100
153 117.5 89.8 134.8
152 55.4 43.4 65.2





#56

4-Nitrophenol

Concen: 4.640 ng

RT: 10.098 min Scan# 1362

Delta R.T. 0.077 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-8-15

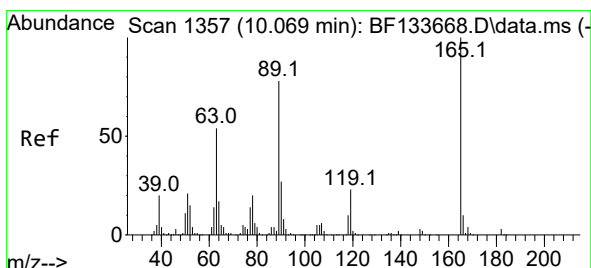
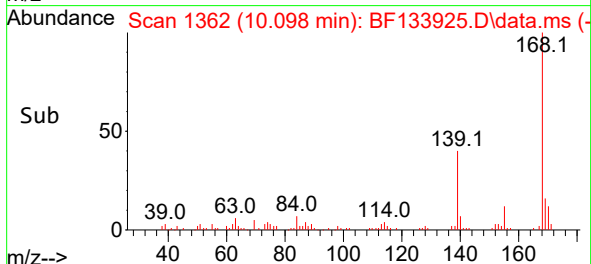
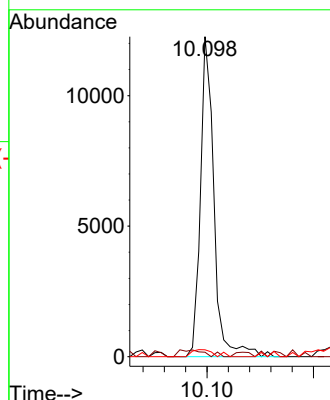
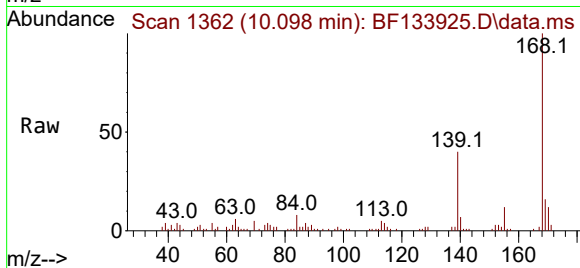
Tgt Ion:139 Resp: 10810

Ion Ratio Lower Upper

139 100

109 1.4 50.7 90.7#

65 2.1 67.1 107.1#



#57

2,4-Dinitrotoluene

Concen: 6.843 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.200 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

Tgt Ion:165 Resp: 24690

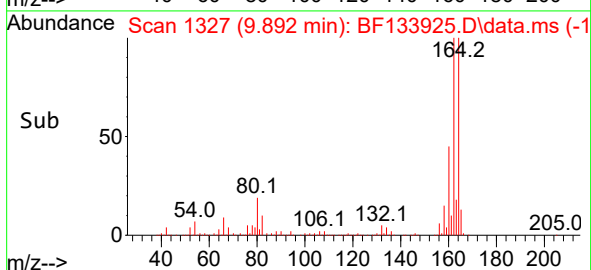
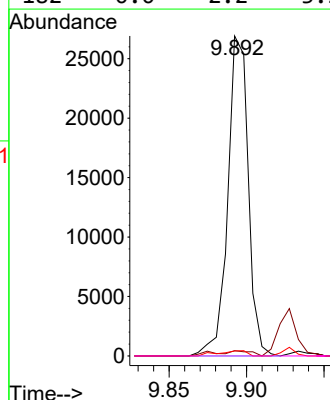
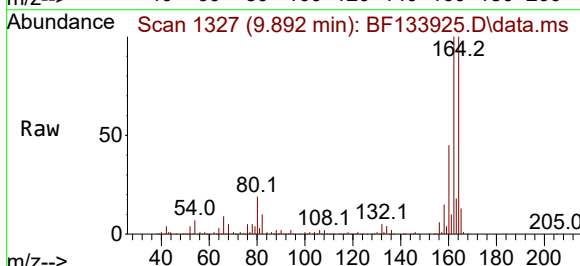
Ion Ratio Lower Upper

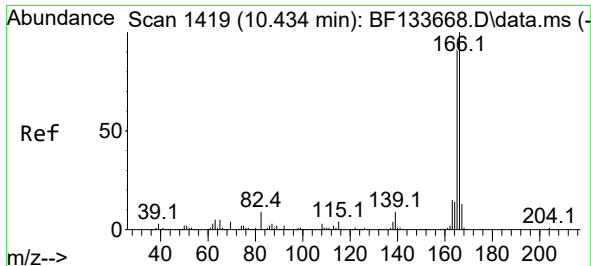
165 100

63 1.6 43.0 64.6#

89 1.6 62.6 93.8#

182 0.0 2.2 3.2#

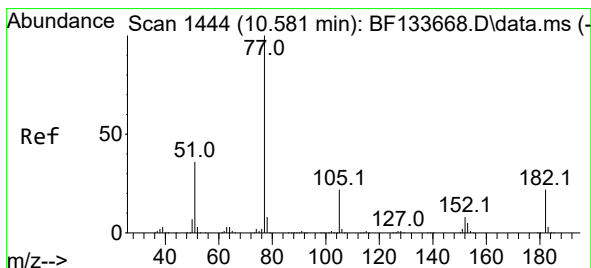
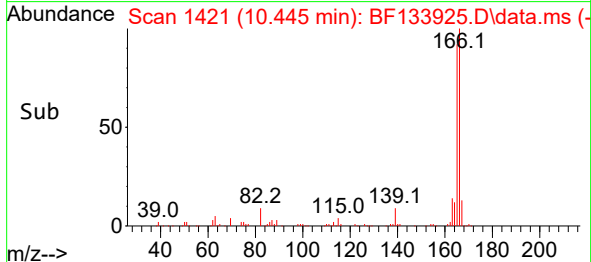
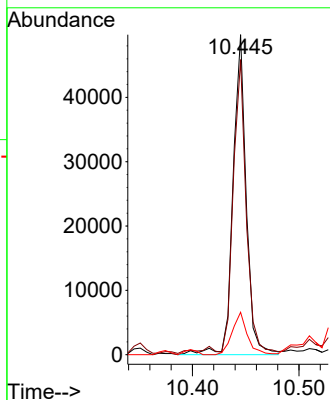
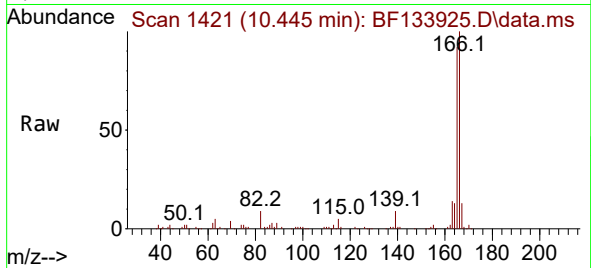




#58
Fluorene
Concen: 3.381 ng
RT: 10.445 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

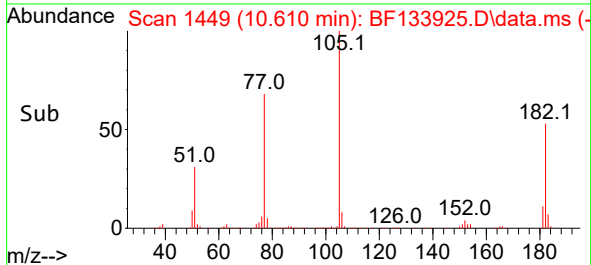
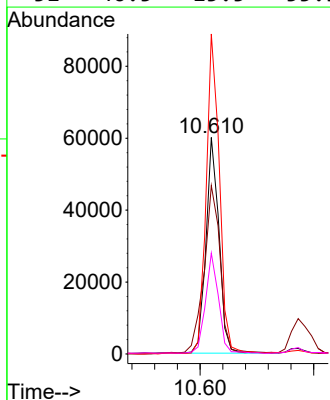
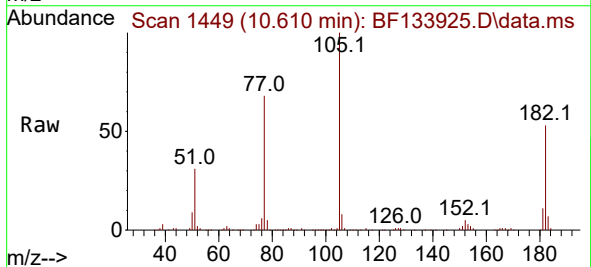
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

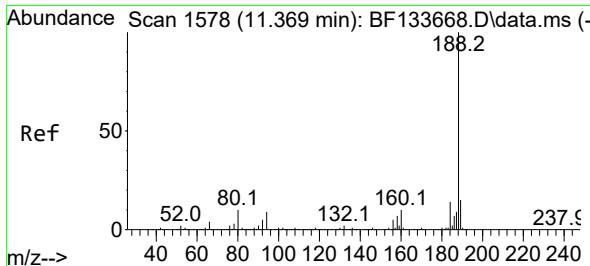
Tgt Ion:166 Resp: 42811
Ion Ratio Lower Upper
166 100
165 92.2 73.1 109.7
167 13.3 10.5 15.7



#63
Azobenzene
Concen: 3.617 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion: 77 Resp: 47904
Ion Ratio Lower Upper
77 100
182 77.7 1.6 41.6#
105 147.8 1.6 41.6#
51 46.5 15.5 55.5

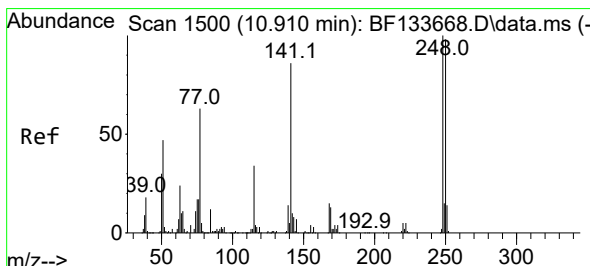
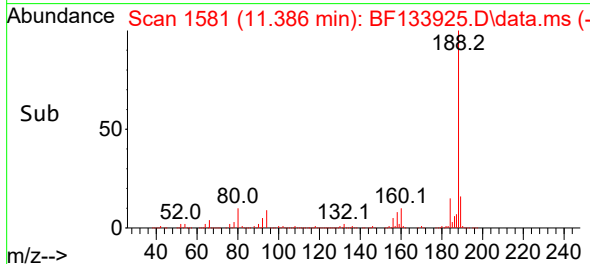
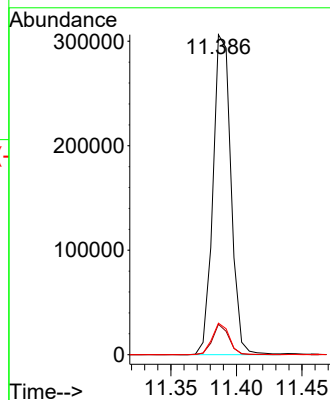
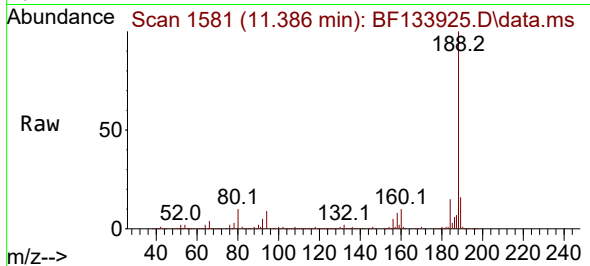




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

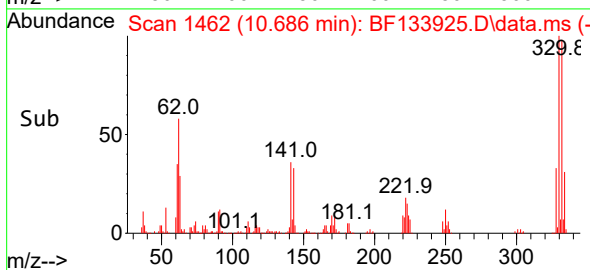
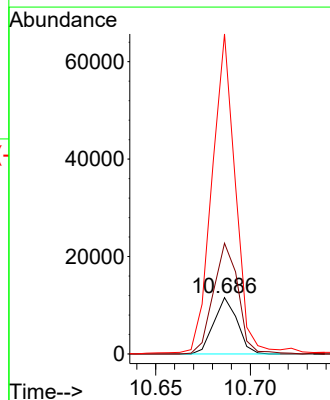
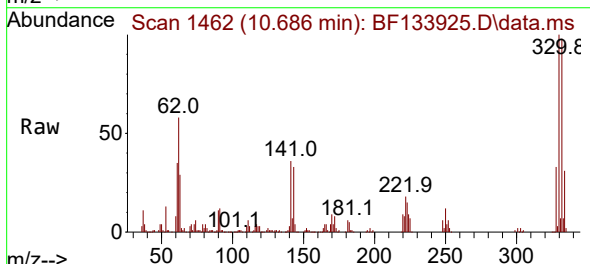
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

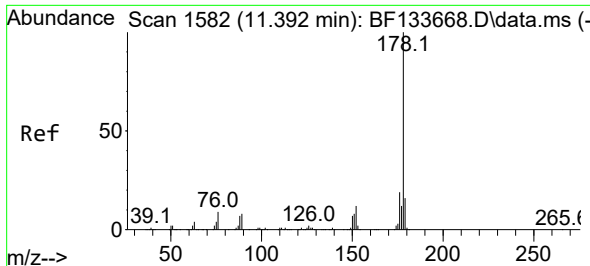
Tgt Ion:188 Resp: 292076
Ion Ratio Lower Upper
188 100
94 9.5 6.8 10.2
80 9.9 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 3.060 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:248 Resp: 9974
Ion Ratio Lower Upper
248 100
250 196.8 78.3 117.5#
141 568.6 69.0 103.6#

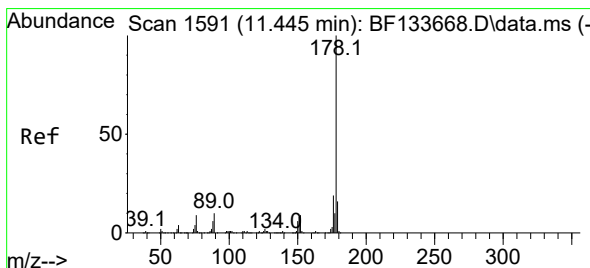
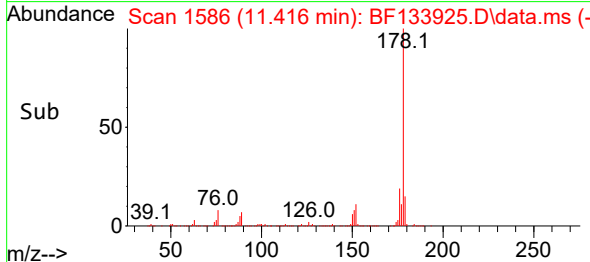
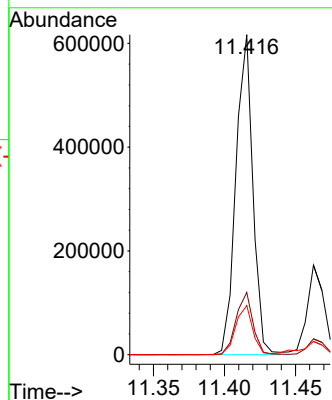
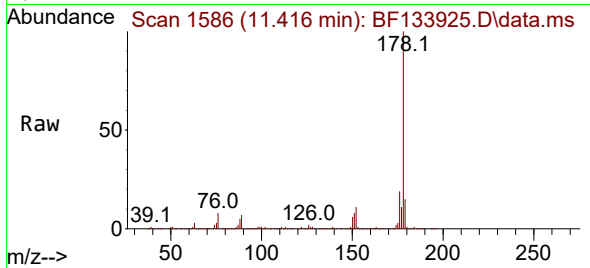




#71
Phenanthrene
Concen: 34.710 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

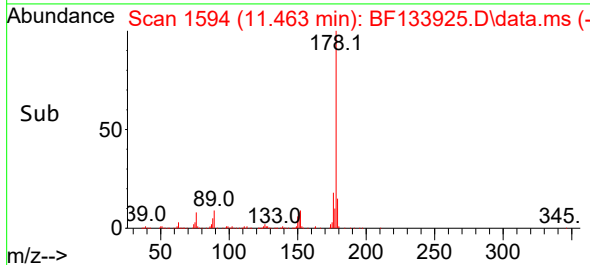
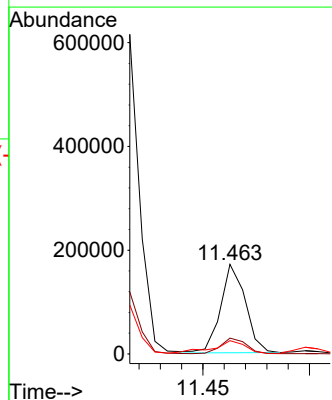
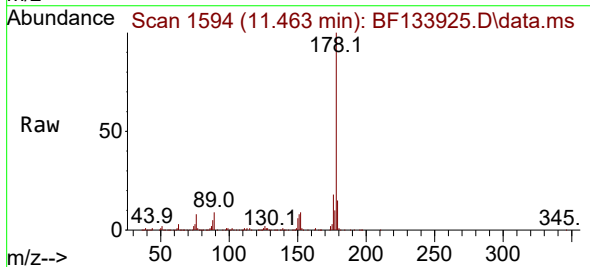
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

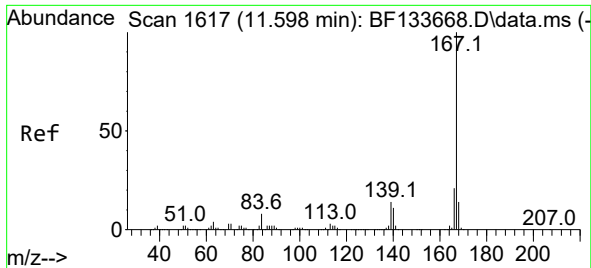
Tgt Ion:178 Resp: 514347
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.3 12.4 18.6



#72
Anthracene
Concen: 8.972 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:178 Resp: 138626
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 14.8 12.6 18.8

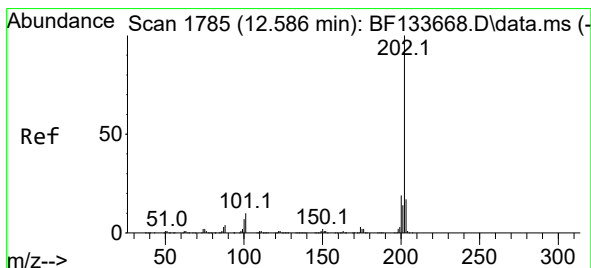
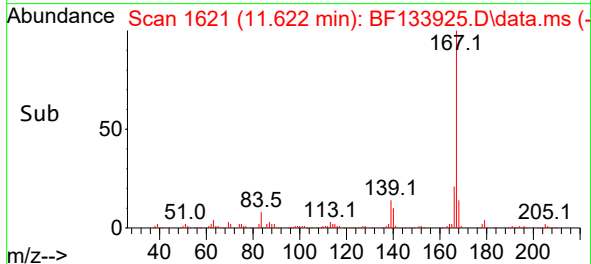
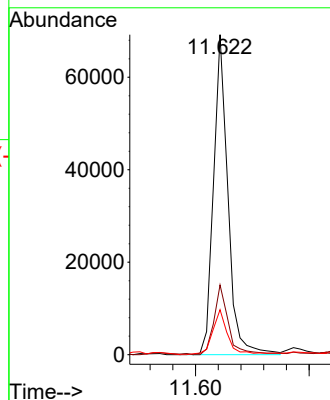
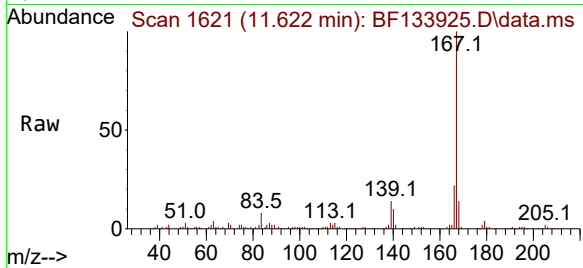




#73
 Carbazole
 Concen: 4.233 ng
 RT: 11.622 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF133925.D
 Acq: 23 Jun 2023 04:10

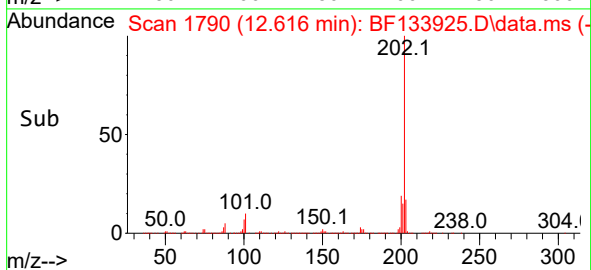
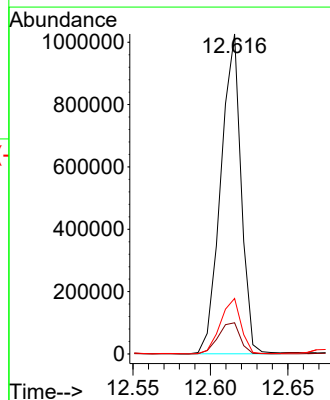
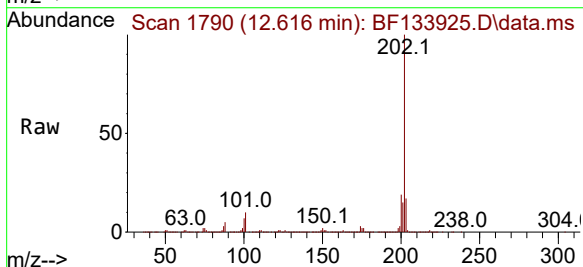
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-8-15

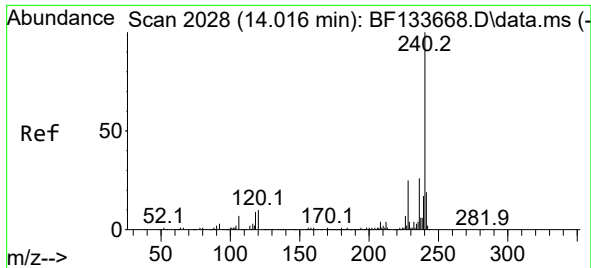
Tgt Ion:167 Resp: 60910
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 14.0 11.2 16.8



#75
 Fluoranthene
 Concen: 59.298 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF133925.D
 Acq: 23 Jun 2023 04:10

Tgt Ion:202 Resp: 933130
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 29.6
 203 17.4 0.0 37.4

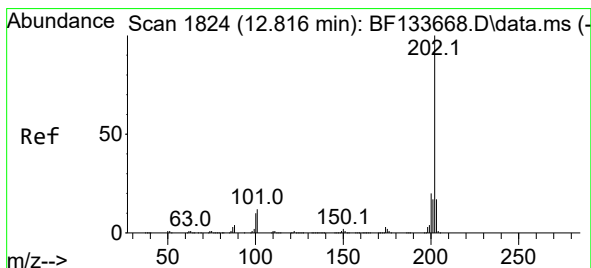
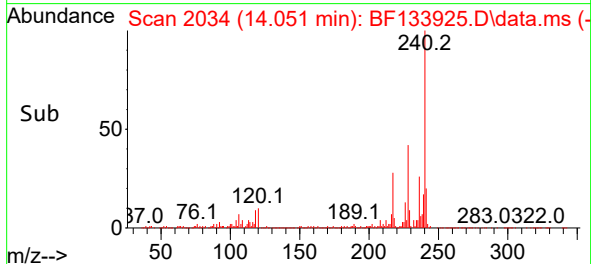
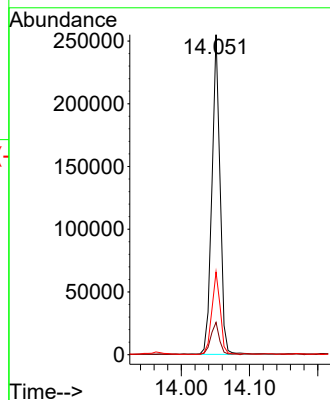
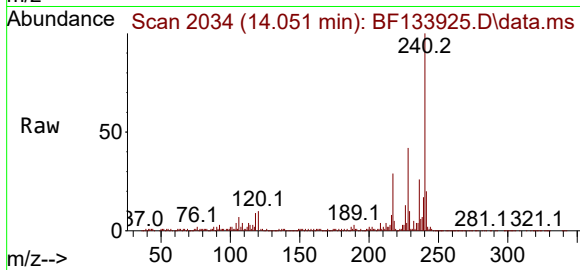




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

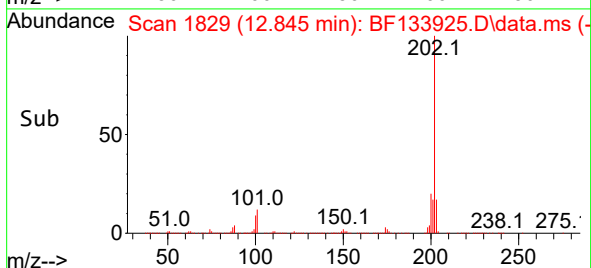
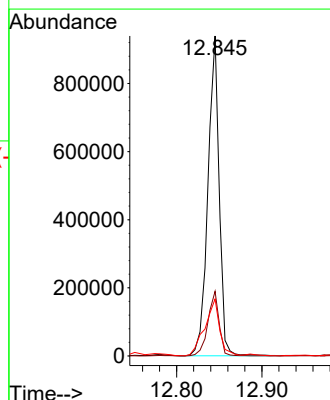
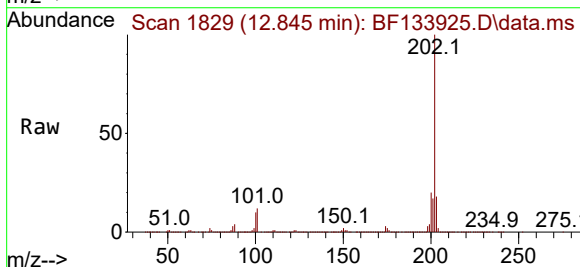
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

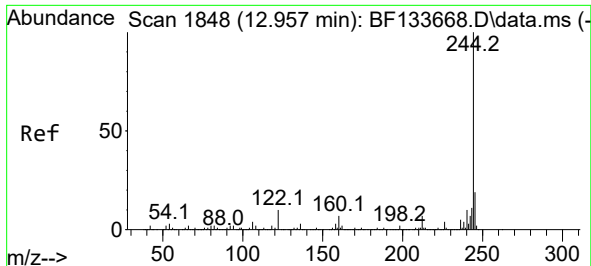
Tgt Ion:240 Resp: 212659
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 25.9 20.5 30.7



#78
Pyrene
Concen: 43.520 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:202 Resp: 862127
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 17.8 13.9 20.9

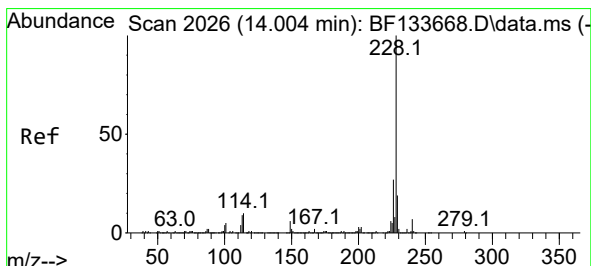
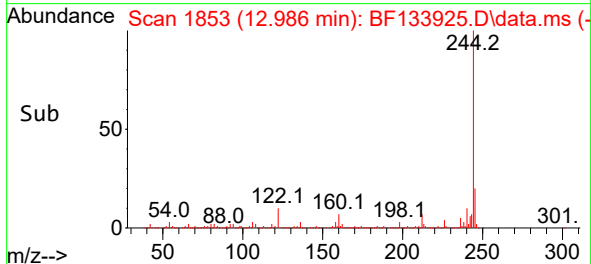
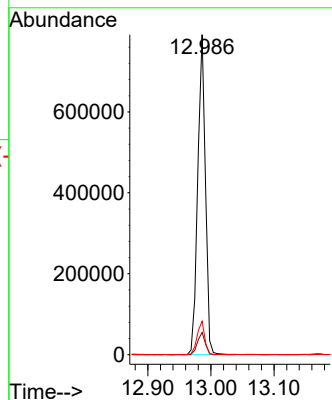
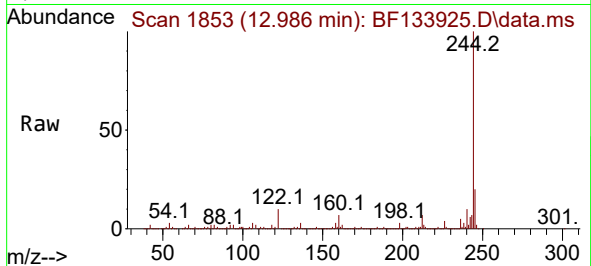




#79
 Terphenyl-d14
 Concen: 48.263 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133925.D
 Acq: 23 Jun 2023 04:10

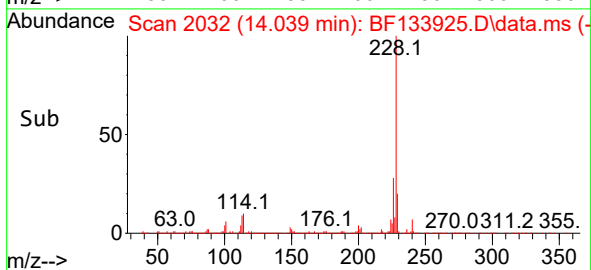
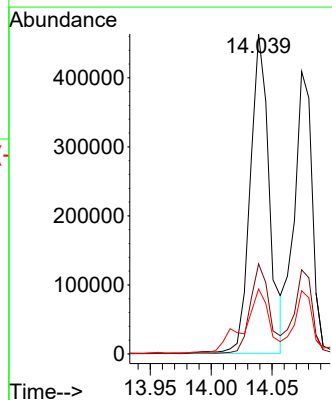
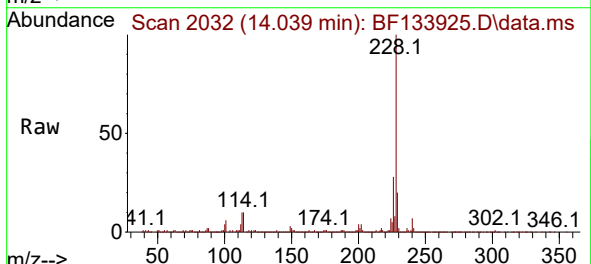
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-8-15

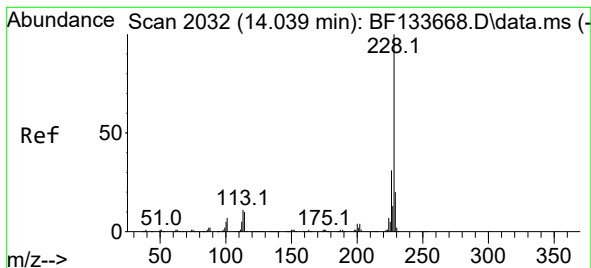
Tgt Ion:244 Resp: 663299
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 10.4 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 34.219 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133925.D
 Acq: 23 Jun 2023 04:10

Tgt Ion:228 Resp: 503348
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.7 32.5
 229 20.3 15.4 23.2





#83

Chrysene

Concen: 30.213 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-8-15

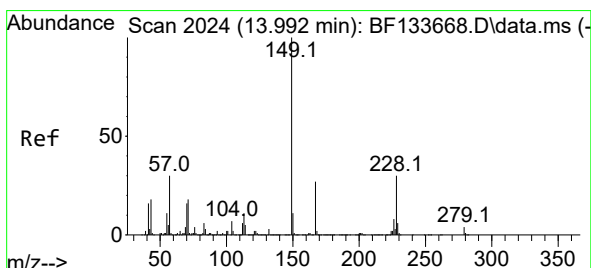
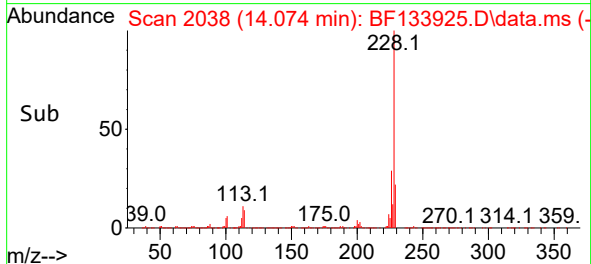
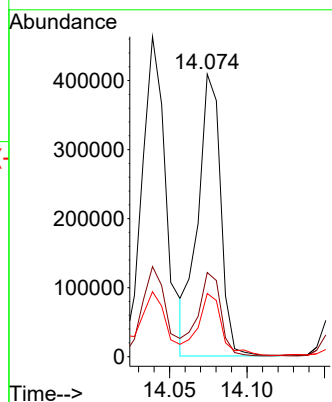
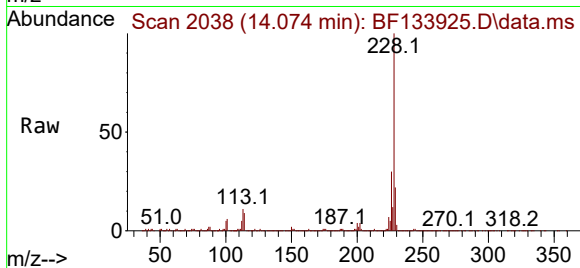
Tgt Ion:228 Resp: 420347

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

229 22.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.569 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

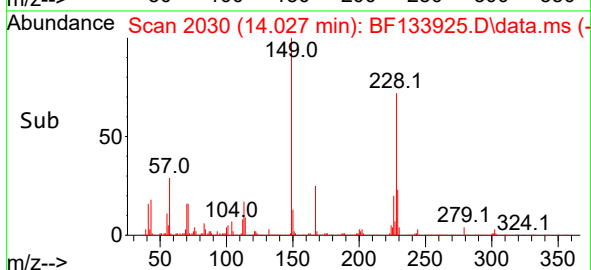
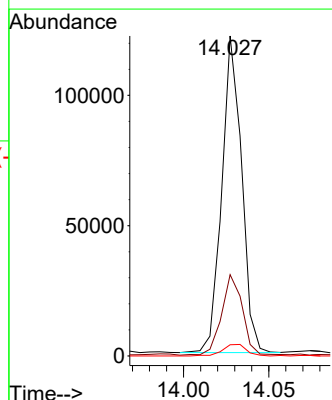
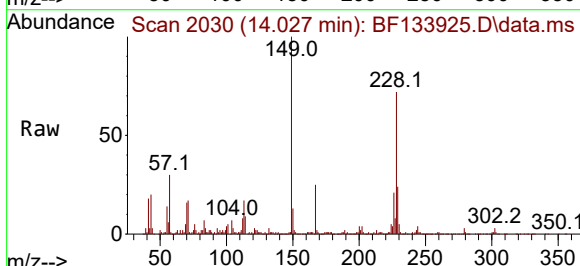
Tgt Ion:149 Resp: 98535

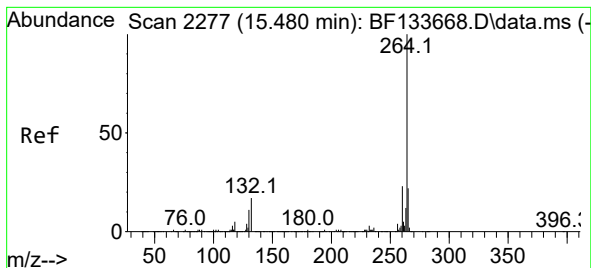
Ion Ratio Lower Upper

149 100

167 25.4 21.8 32.8

279 3.5 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-8-15

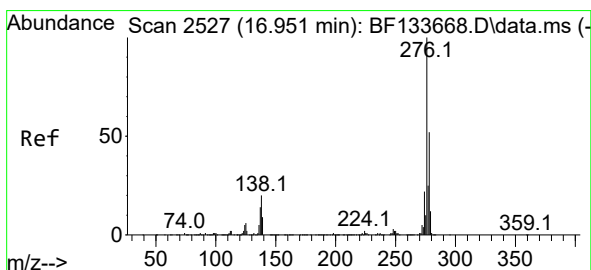
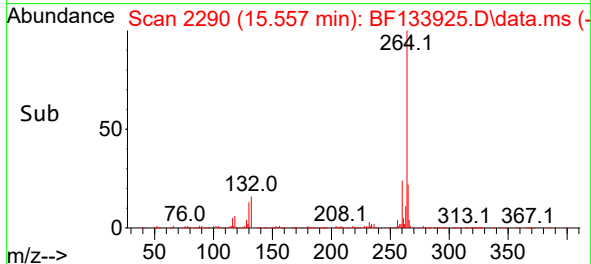
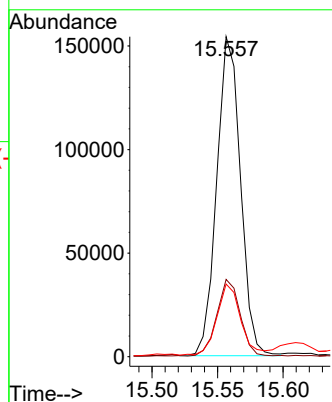
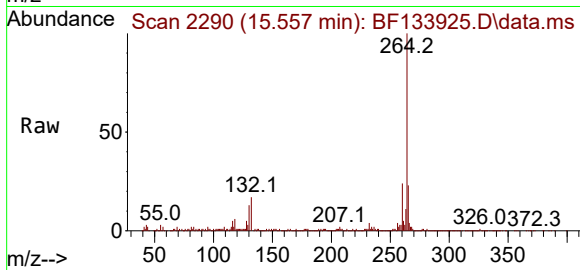
Tgt Ion:264 Resp: 194017

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

265 22.7 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.890 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.018 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

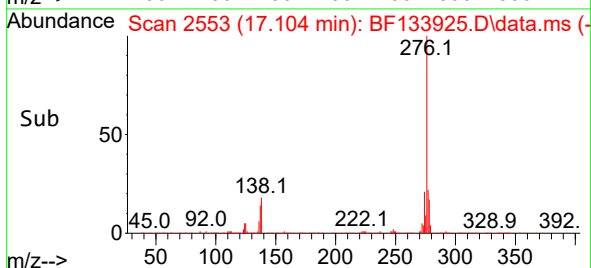
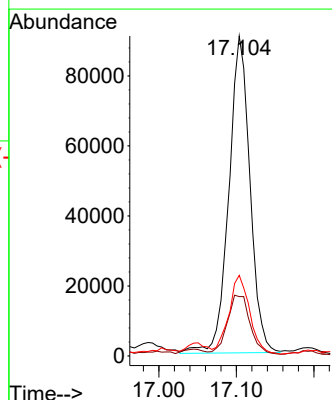
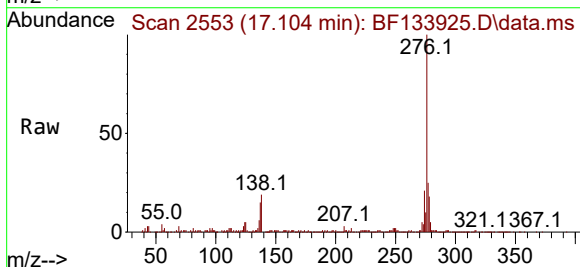
Tgt Ion:276 Resp: 172052

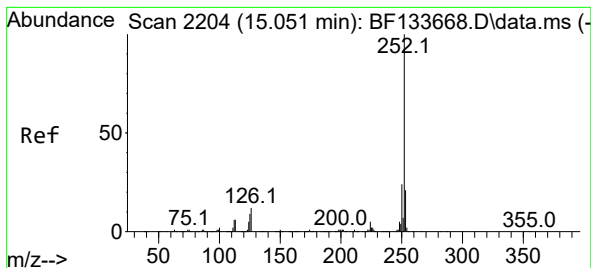
Ion Ratio Lower Upper

276 100

138 20.0 17.9 26.9

277 24.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 56.393 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-8-15

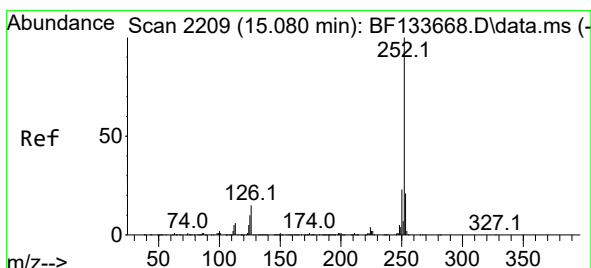
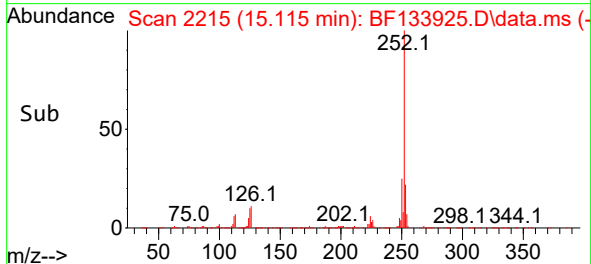
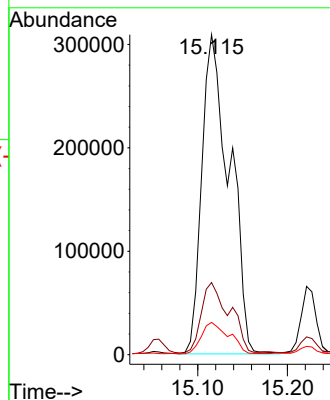
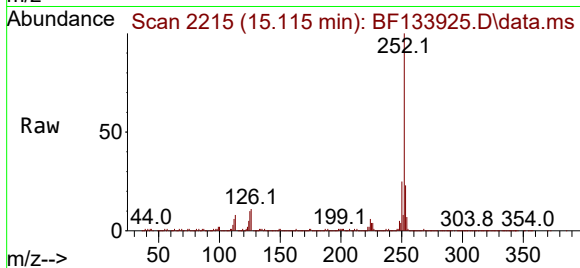
Tgt Ion:252 Resp: 664629

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 10.1 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 57.891 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.029 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

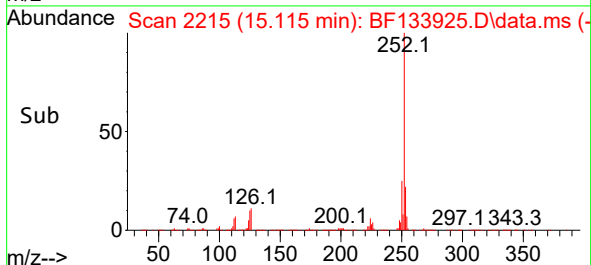
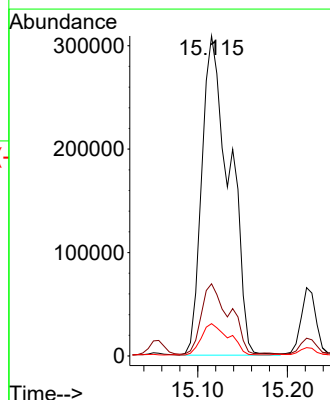
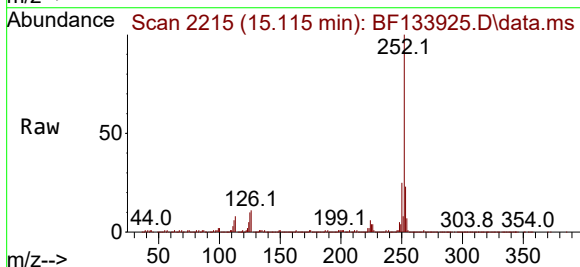
Tgt Ion:252 Resp: 664629

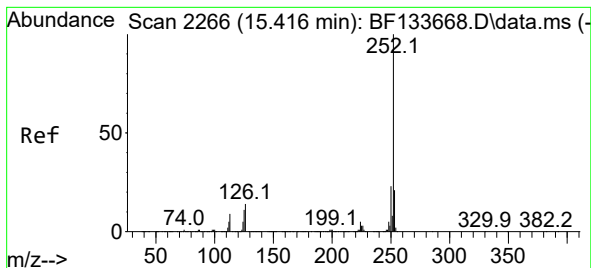
Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

125 10.1 7.8 11.6





#90

Benzo(a)pyrene

Concen: 31.366 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-8-15

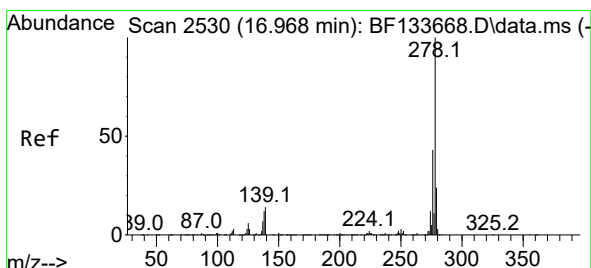
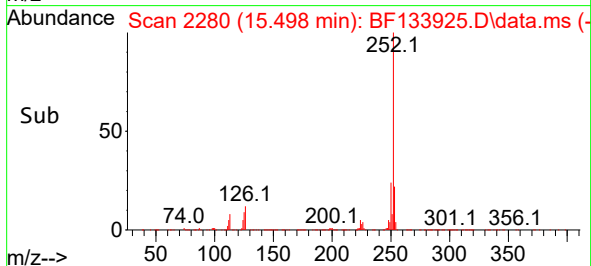
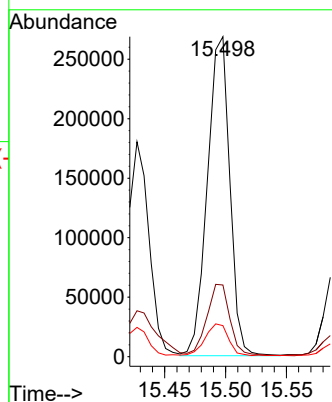
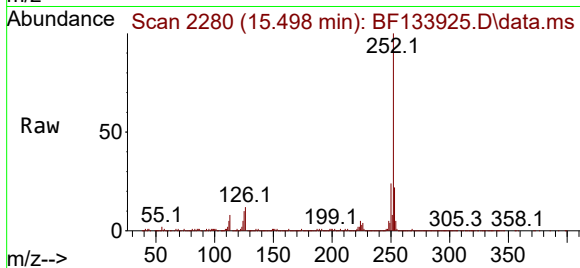
Tgt Ion:252 Resp: 343078

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 9.7 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 3.828 ng

RT: 17.115 min Scan# 2555

Delta R.T. -0.023 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

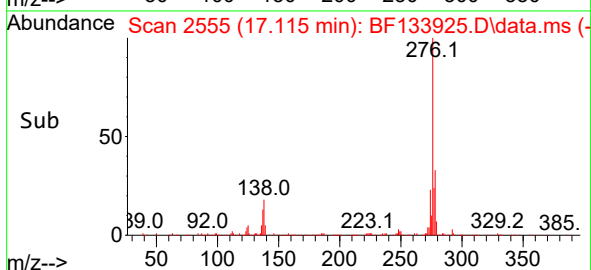
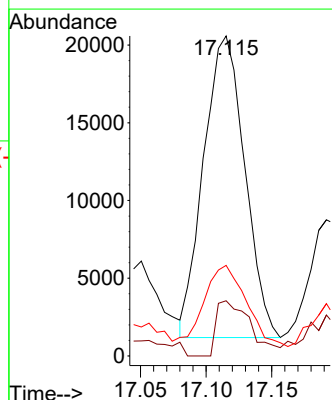
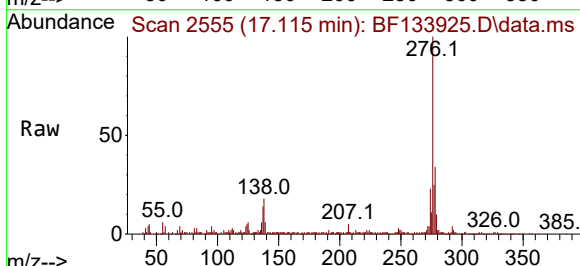
Tgt Ion:278 Resp: 42303

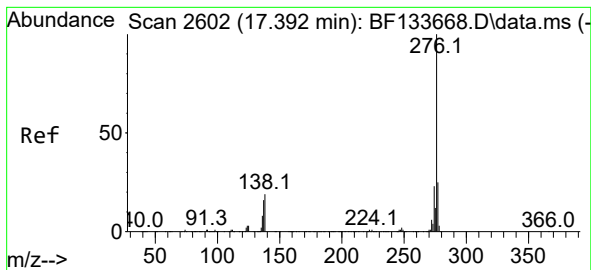
Ion Ratio Lower Upper

278 100

139 17.2 11.4 17.2#

279 28.3 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 14.552 ng
 RT: 17.574 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF133925.D
 Acq: 23 Jun 2023 04:10

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-8-15

Tgt Ion:	276	Resp:	159433
Ion	Ratio	Lower	Upper
276	100		
277	21.9	19.8	29.8
138	18.8	15.0	22.4

