

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062023\
 Data File : BF133861.D
 Acq On : 20 Jun 2023 17:48
 Operator : CG\JU
 Sample : 03224-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-01/02

Quant Time: Jun 21 00:13:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

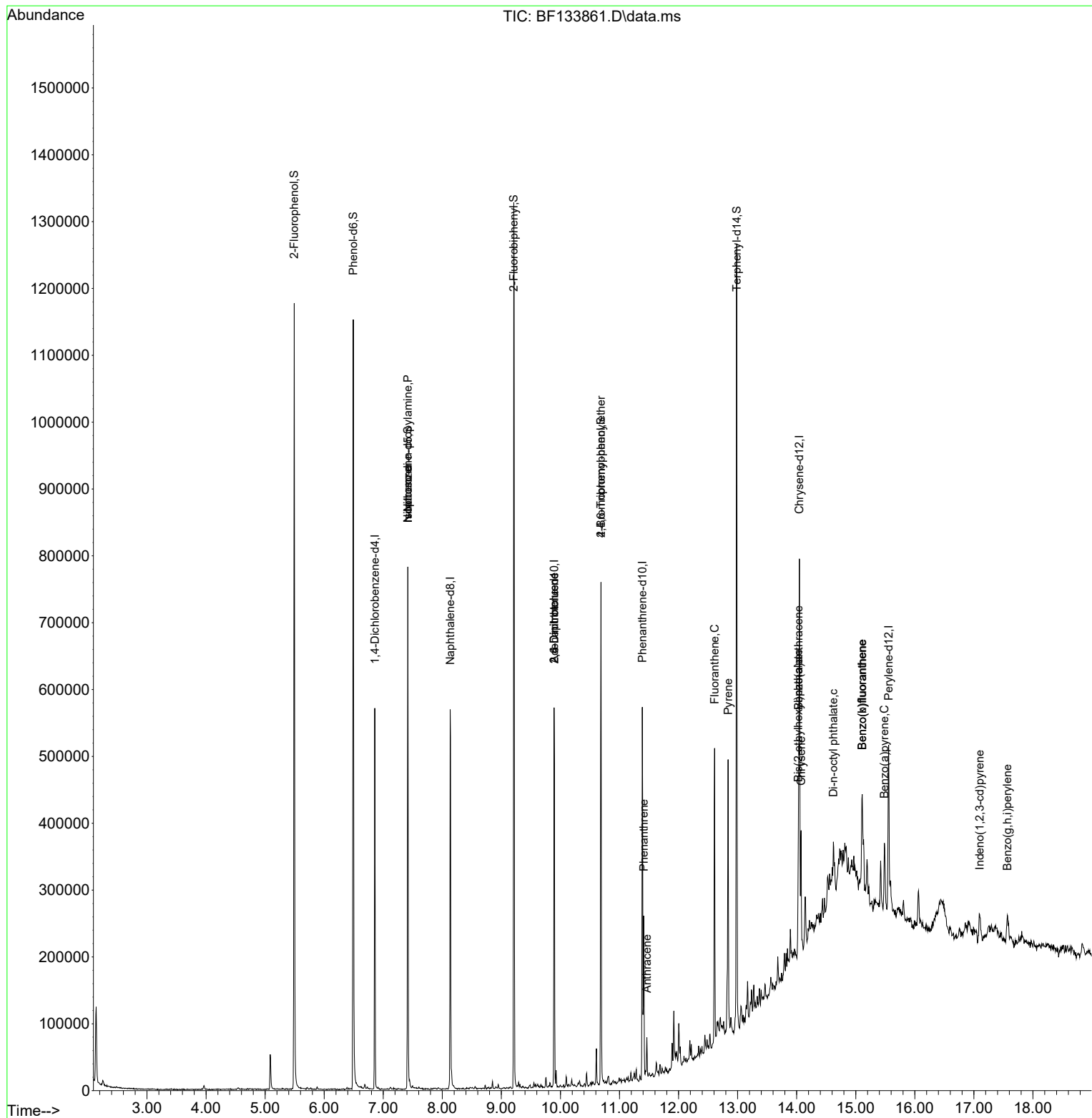
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	71325	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	250099	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	109606	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	196998	20.000	ng	0.00
76) Chrysene-d12	14.045	240	159961	20.000	ng	0.00
86) Perylene-d12	15.557	264	115871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	285377	69.655	ng	0.00
7) Phenol-d6	6.492	99	323628	60.685	ng	0.00
23) Nitrobenzene-d5	7.416	82	204990	44.643	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	80624	58.111	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	394823	51.206	ng	0.00
79) Terphenyl-d14	12.986	244	415359	40.179	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	28953	8.533	ng	# 78
25) Isophorone	7.416	82	204987	24.316	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	13566	8.034	ng	# 27
57) 2,4-Dinitrotoluene	9.892	165	13566	6.317	ng	# 19
67) 4-Bromophenyl-phenylether	10.686	248	4925	2.240	ng	# 1
71) Phenanthrene	11.410	178	82154	8.220	ng	98
72) Anthracene	11.463	178	21295	2.043	ng	98
75) Fluoranthene	12.610	202	170424	16.057	ng	99
78) Pyrene	12.839	202	158641	10.646	ng	99
81) Benzo(a)anthracene	14.033	228	83112	7.512	ng	97
83) Chrysene	14.074	228	74077	7.078	ng	97
84) Bis(2-ethylhexyl)phtha...	14.027	149	31517	4.069	ng	99
85) Di-n-octyl phthalate	14.621	149	46614	4.235	ng	# 61
87) Indeno(1,2,3-cd)pyrene	17.098	276	29999	3.763	ng	98
88) Benzo(b)fluoranthene	15.110	252	104880	14.901	ng	# 93
89) Benzo(k)fluoranthene	15.110	252	104880	15.296	ng	# 93
90) Benzo(a)pyrene	15.486	252	49137	7.522	ng	# 91
92) Benzo(g,h,i)perylene	17.568	276	33069	5.054	ng	# 94

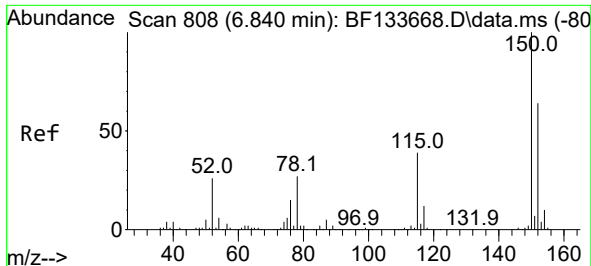
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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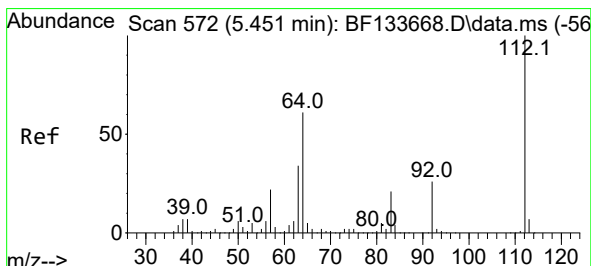
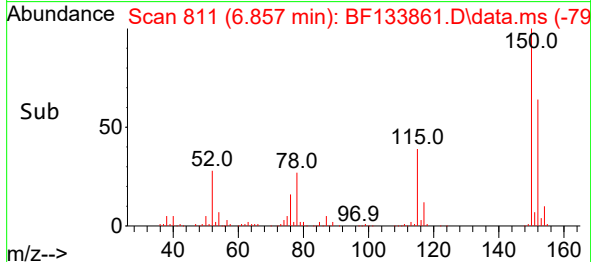
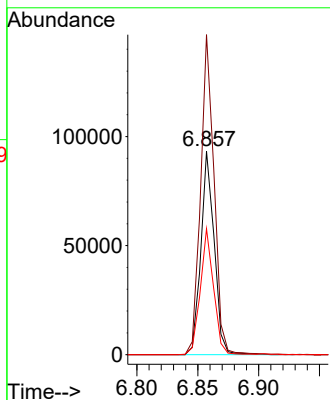
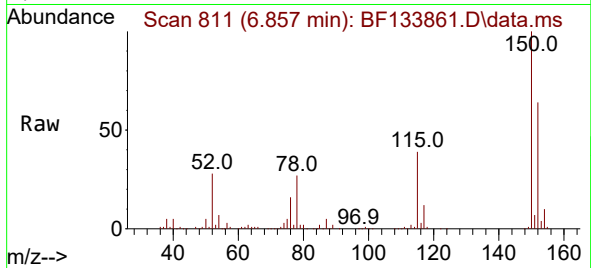




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

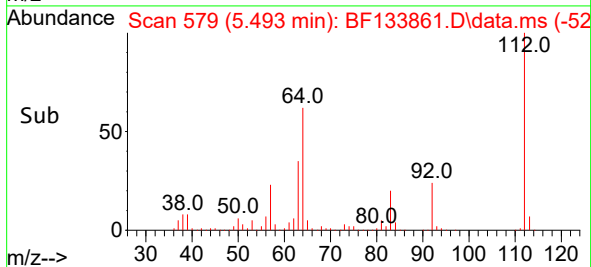
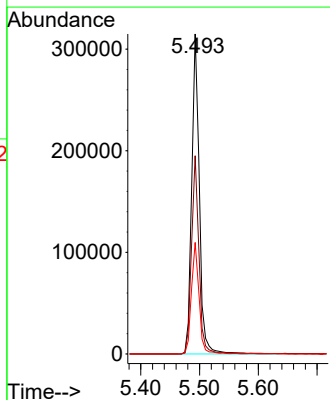
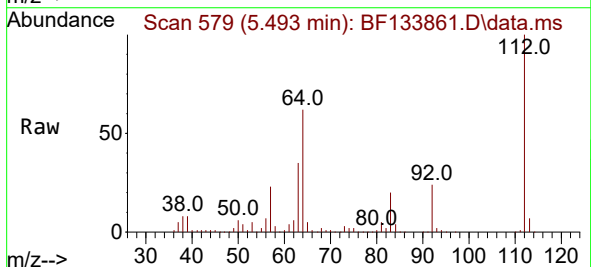
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-01/02

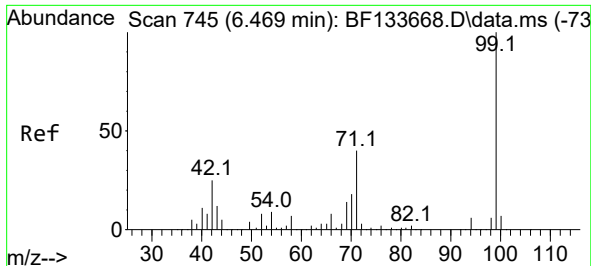
Tgt Ion:152 Resp: 71325
Ion Ratio Lower Upper
152 100
150 157.3 124.3 186.5
115 61.9 48.5 72.7



#5
2-Fluorophenol
Concen: 69.655 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

Tgt Ion:112 Resp: 285377
Ion Ratio Lower Upper
112 100
64 62.0 49.0 73.4
63 34.9 26.8 40.2

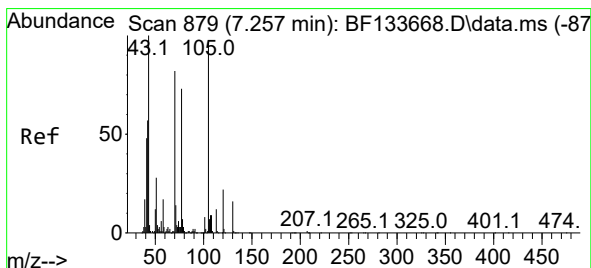
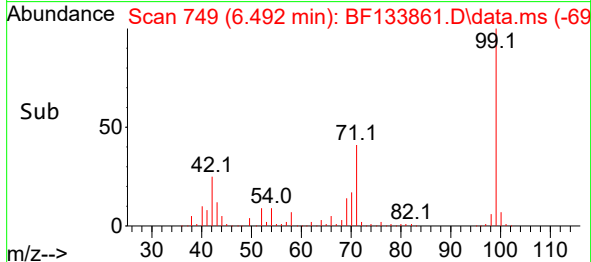
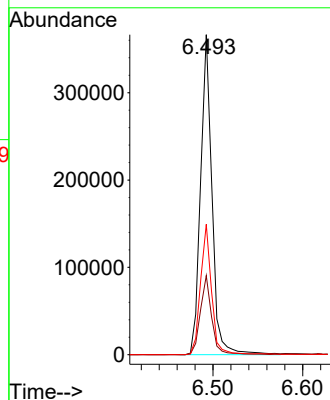
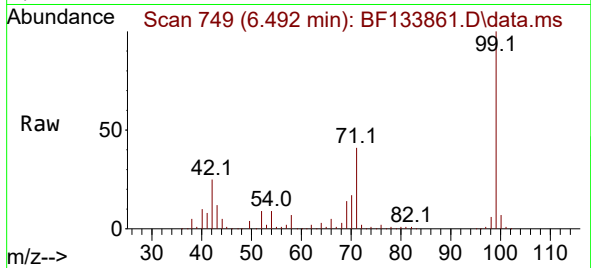




#7
Phenol-d6
Concen: 60.685 ng
RT: 6.492 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

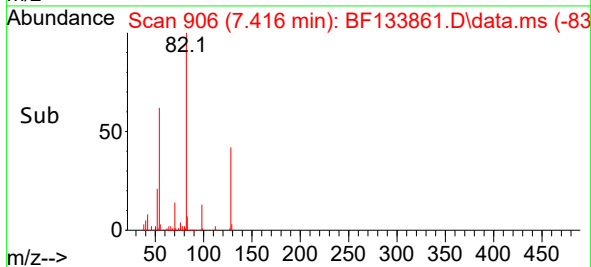
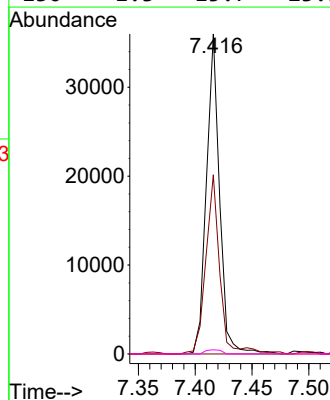
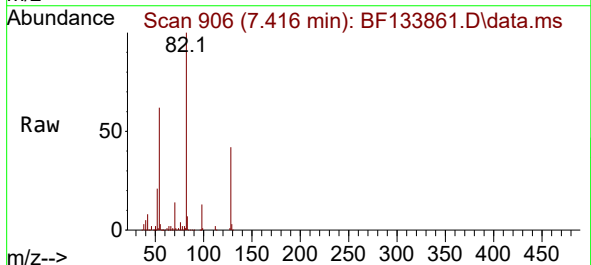
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-01/02

Tgt Ion: 99 Resp: 323628
Ion Ratio Lower Upper
99 100
42 24.7 19.9 29.9
71 40.8 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.533 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

Tgt Ion: 70 Resp: 28953
Ion Ratio Lower Upper
70 100
42 56.0 55.8 83.8
101 0.0 8.1 12.1#
130 1.3 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.134 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133861.D

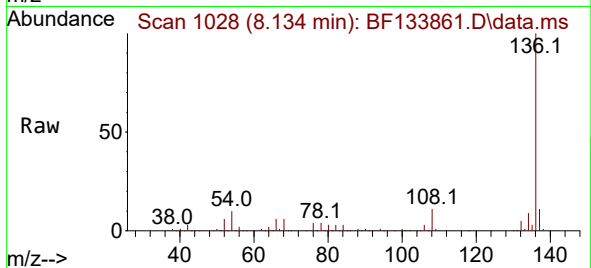
Acq: 20 Jun 2023 17:48

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-01/02



Tgt Ion:136 Resp: 250099

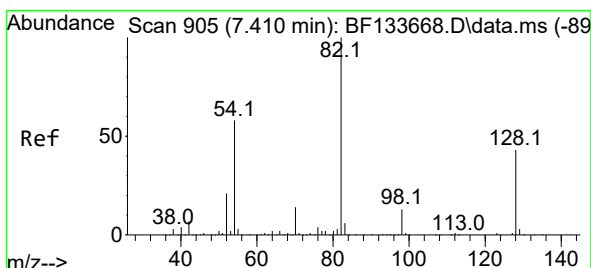
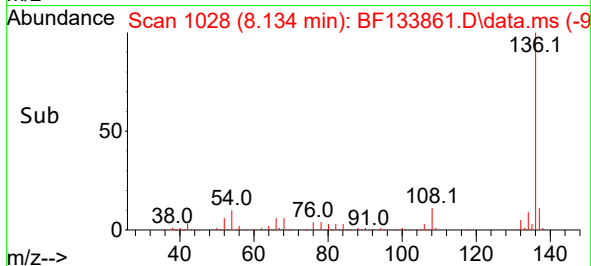
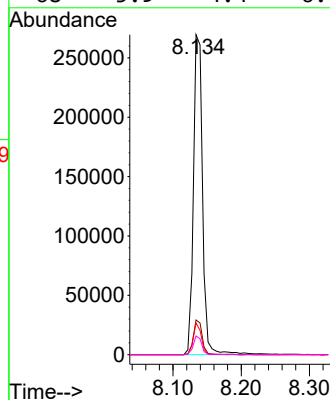
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.9 7.4 11.0

68 5.9 4.4 6.6



#23

Nitrobenzene-d5

Concen: 44.643 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

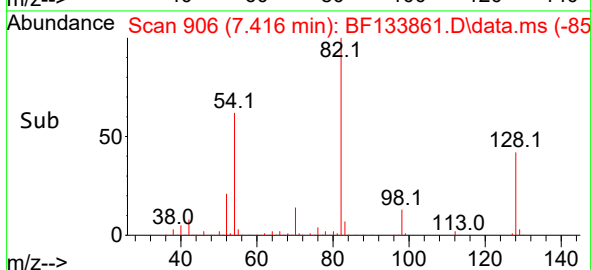
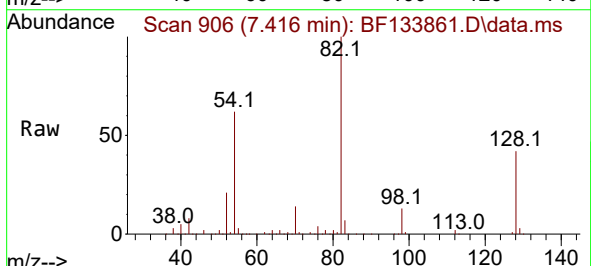
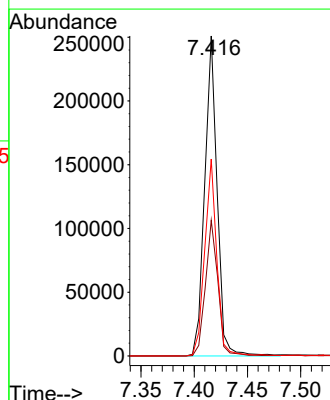
Tgt Ion: 82 Resp: 204990

Ion Ratio Lower Upper

82 100

128 42.4 34.2 51.2

54 61.6 46.5 69.7

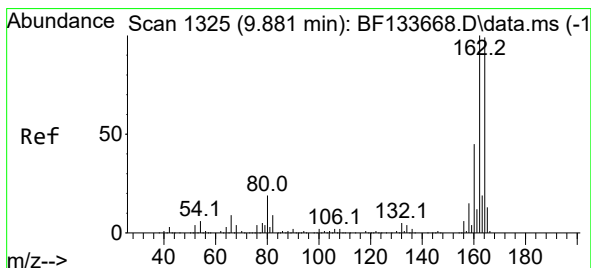
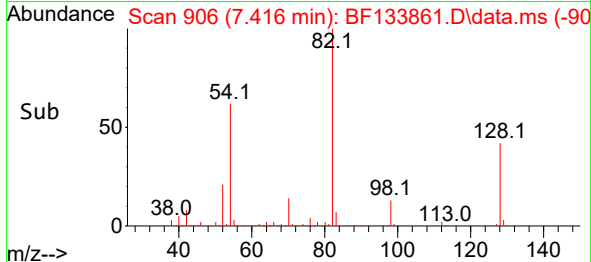
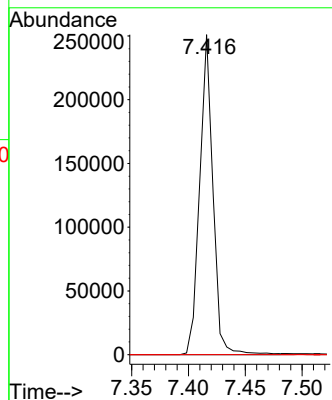
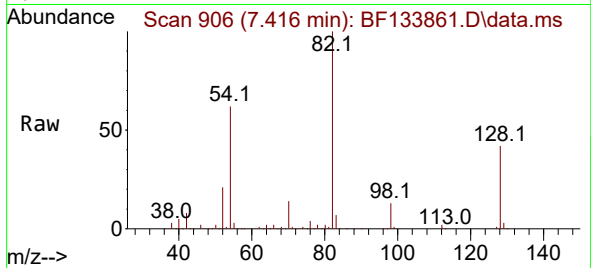




#25
Isophorone
Concen: 24.316 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

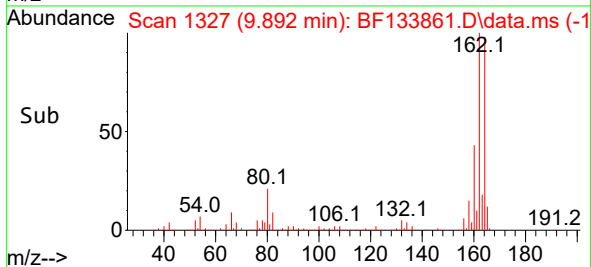
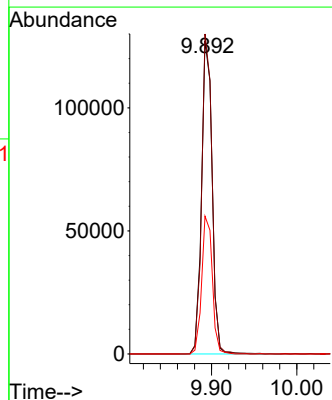
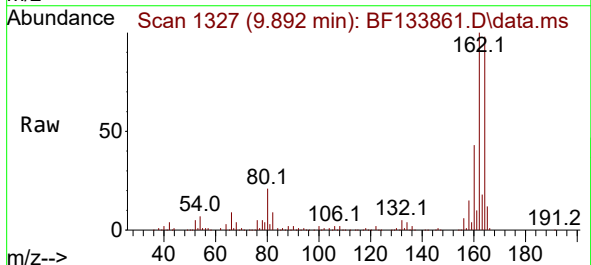
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-01/02

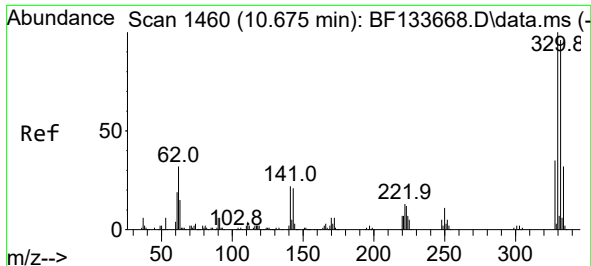
Tgt Ion: 82 Resp: 204987
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

Tgt Ion:164 Resp: 109606
Ion Ratio Lower Upper
164 100
162 102.3 80.8 121.2
160 44.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 58.111 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133861.D

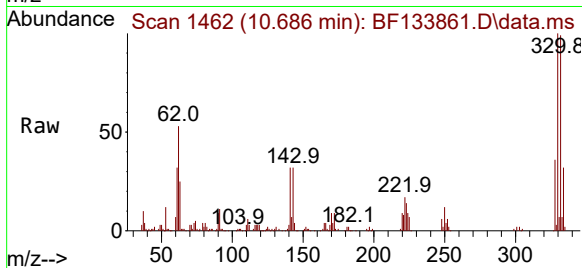
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Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-01/02



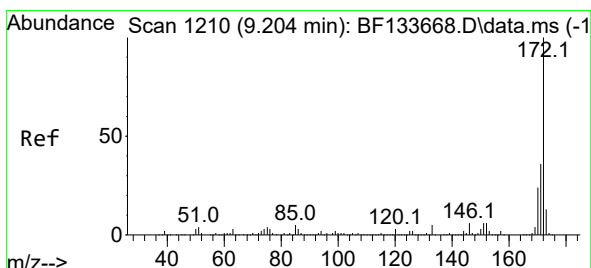
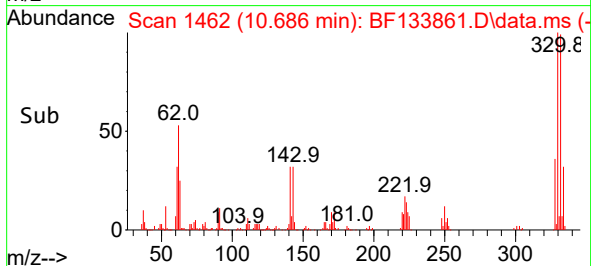
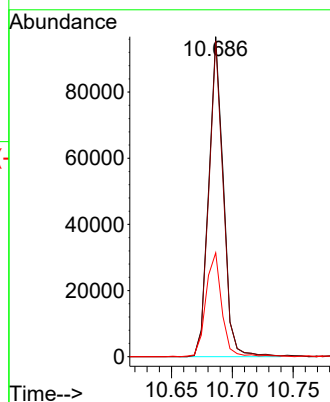
Tgt Ion:330 Resp: 80624

Ion Ratio Lower Upper

330 100

332 97.7 77.2 115.8

141 35.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 51.206 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

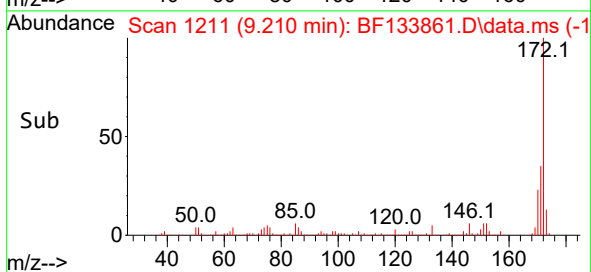
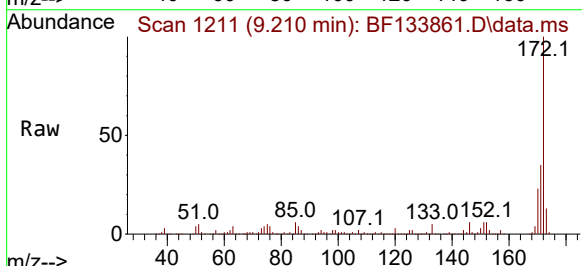
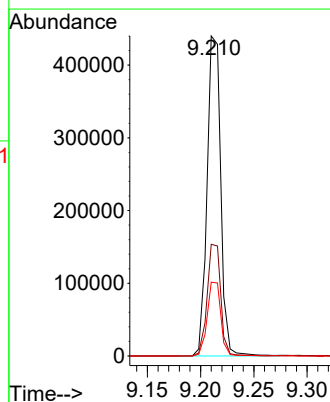
Tgt Ion:172 Resp: 394823

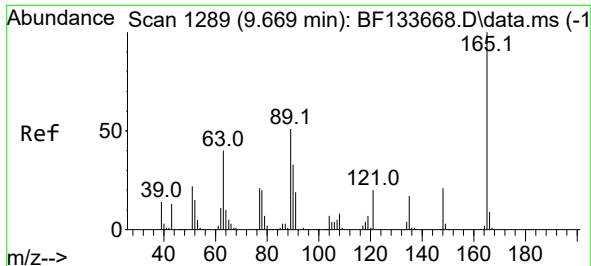
Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 23.1 19.1 28.7

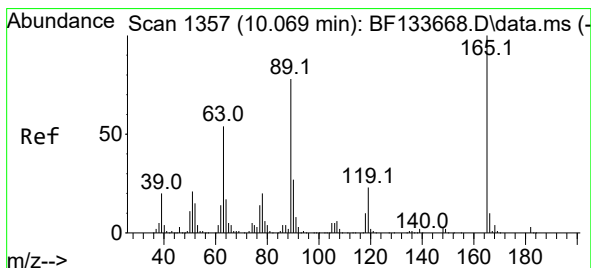
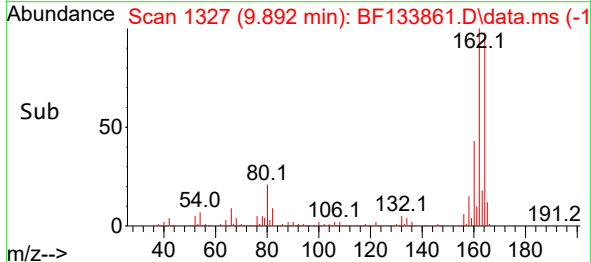
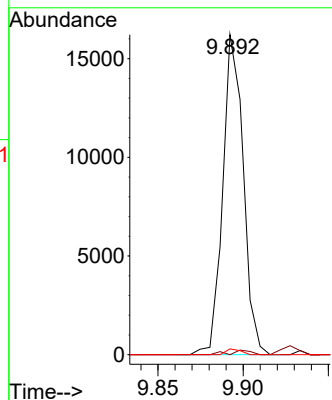
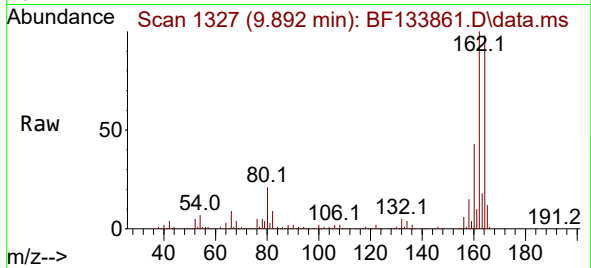




#51
2,6-Dinitrotoluene
Concen: 8.034 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

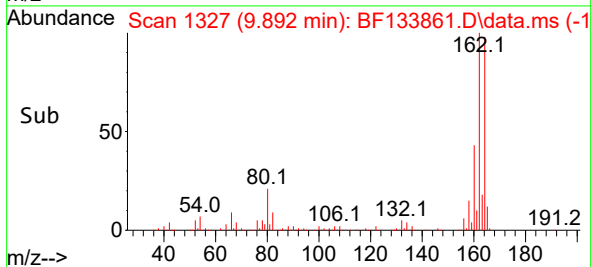
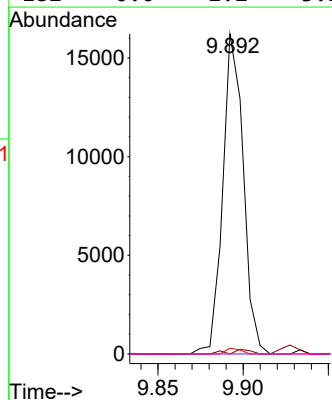
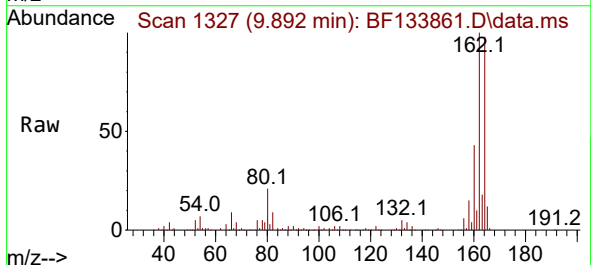
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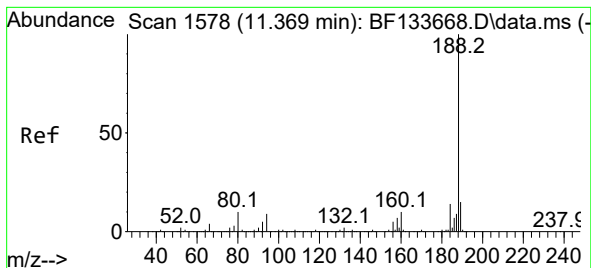
Tgt Ion:165 Resp: 13566
Ion Ratio Lower Upper
165 100
63 0.0 42.1 63.1#
89 1.8 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.317 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

Tgt Ion:165 Resp: 13566
Ion Ratio Lower Upper
165 100
63 0.0 43.0 64.6#
89 1.8 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-01/02

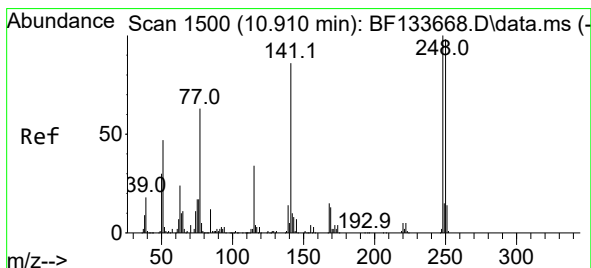
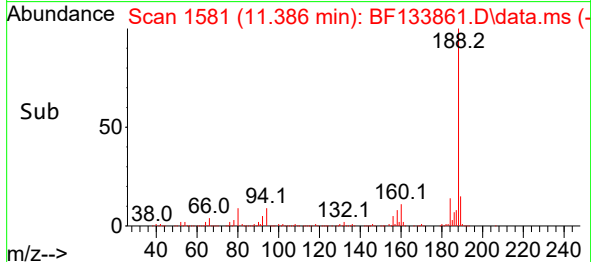
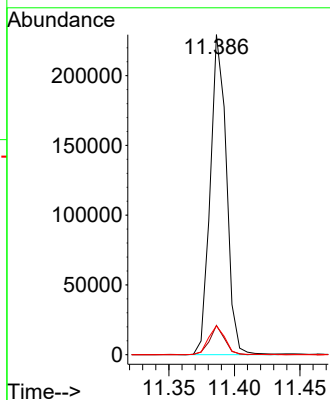
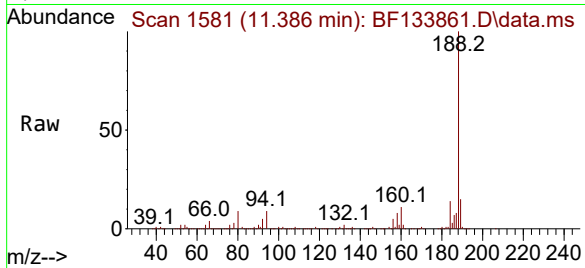
Tgt Ion:188 Resp: 196998

Ion Ratio Lower Upper

188 100

94 9.2 6.8 10.2

80 9.0 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.240 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

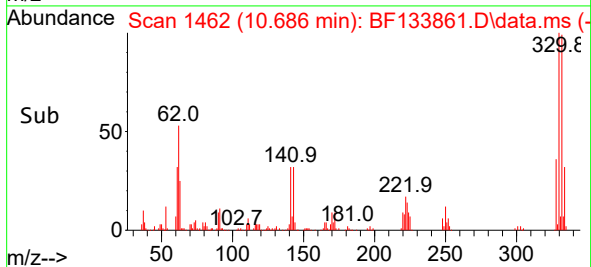
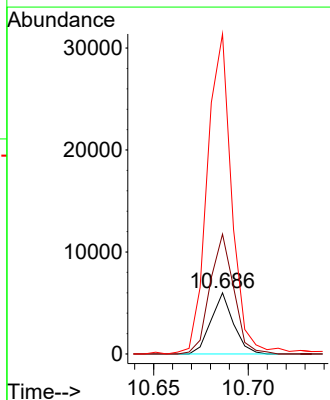
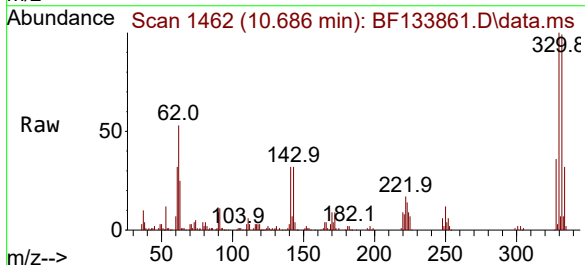
Tgt Ion:248 Resp: 4925

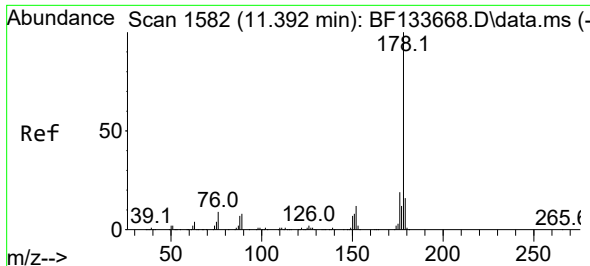
Ion Ratio Lower Upper

248 100

250 196.1 78.3 117.5#

141 523.6 69.0 103.6#

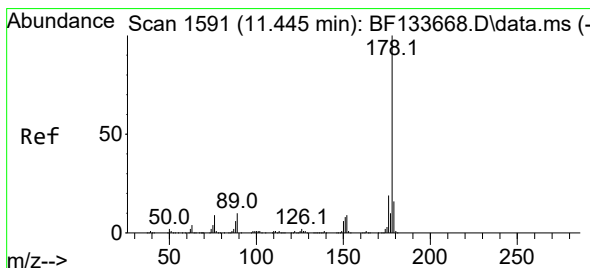
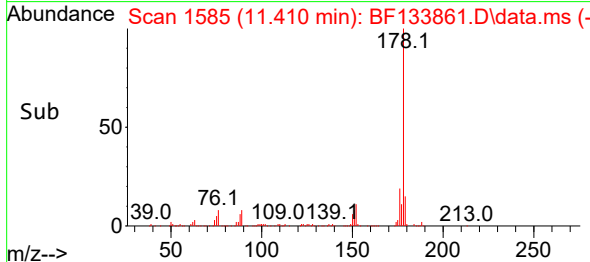
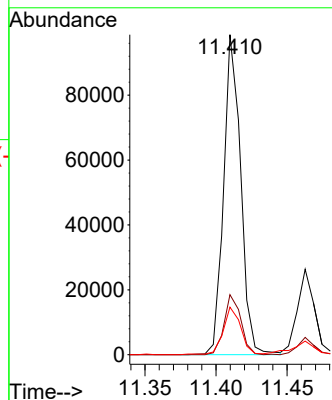
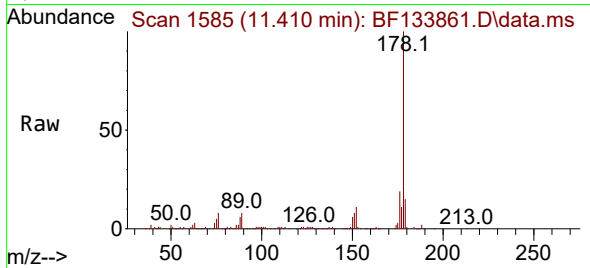




#71
Phenanthrene
Concen: 8.220 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

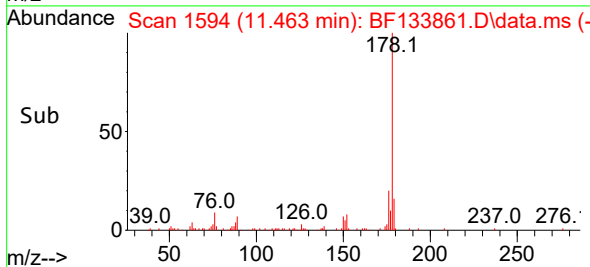
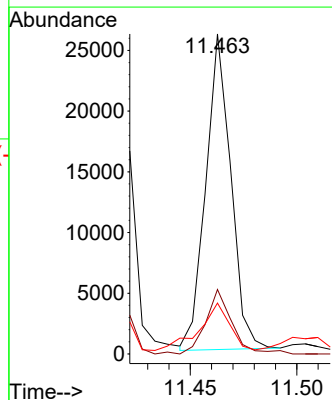
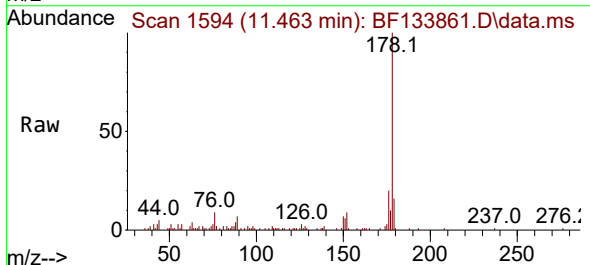
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-01/02

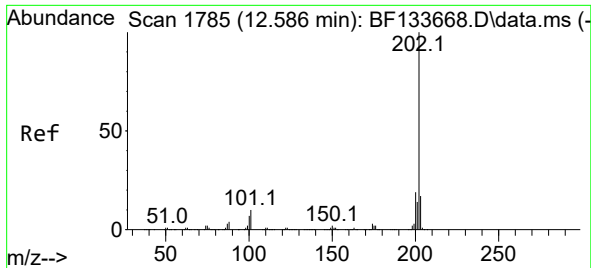
Tgt Ion:178 Resp: 82154
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 14.9 12.4 18.6



#72
Anthracene
Concen: 2.043 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

Tgt Ion:178 Resp: 21295
Ion Ratio Lower Upper
178 100
176 20.1 15.1 22.7
179 15.9 12.6 18.8

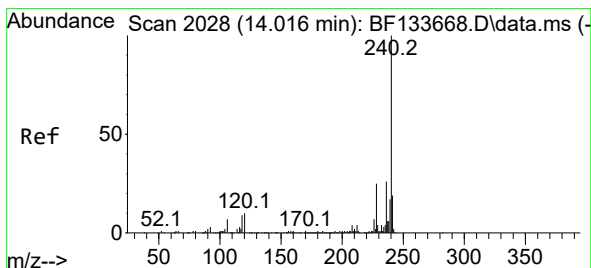
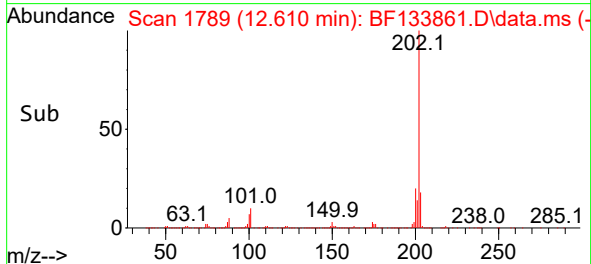
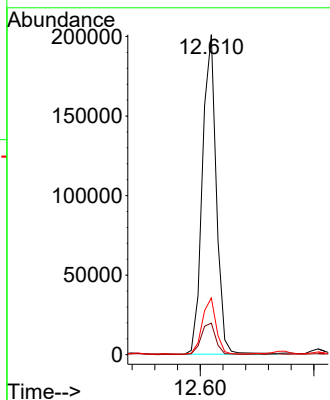
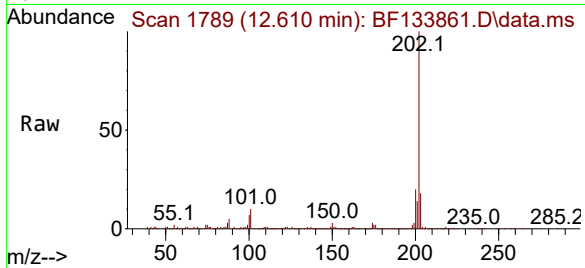




#75
Fluoranthene
Concen: 16.057 ng
RT: 12.610 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

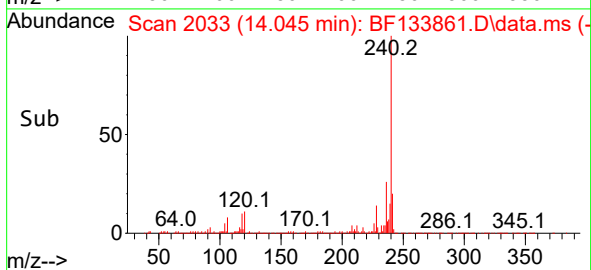
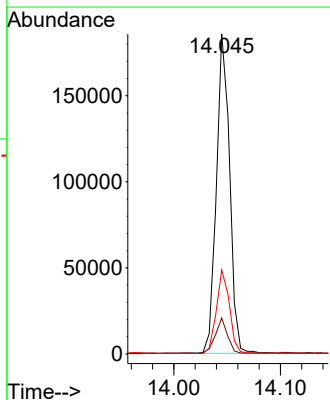
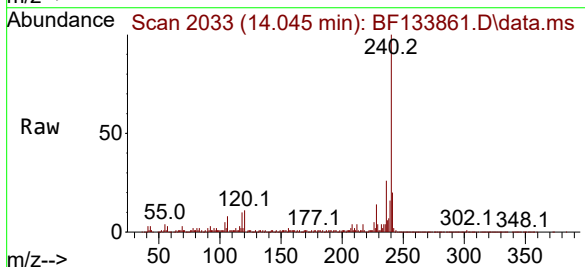
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-01/02

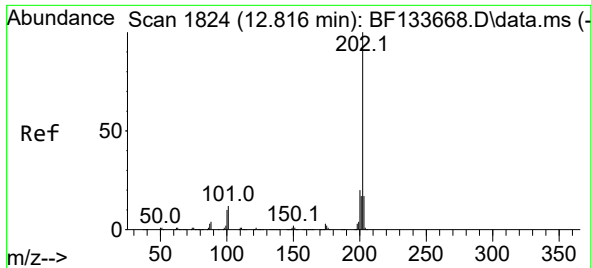
Tgt Ion:202 Resp: 170424
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.6
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133861.D
Acq: 20 Jun 2023 17:48

Tgt Ion:240 Resp: 159961
Ion Ratio Lower Upper
240 100
120 11.3 8.1 12.1
236 26.3 20.5 30.7

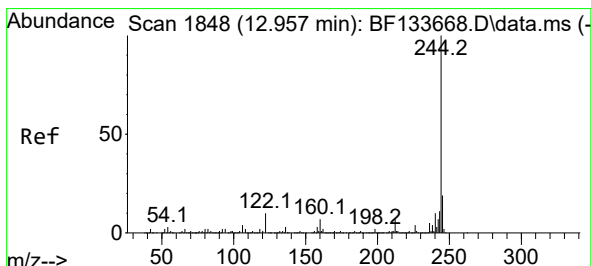
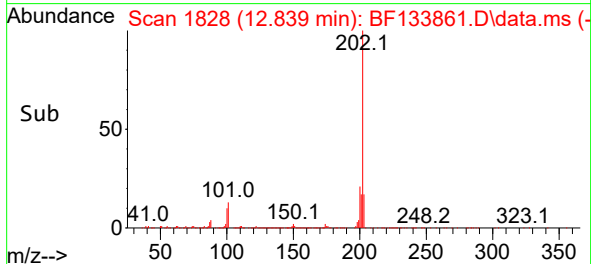
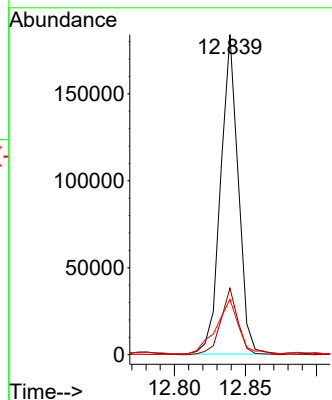
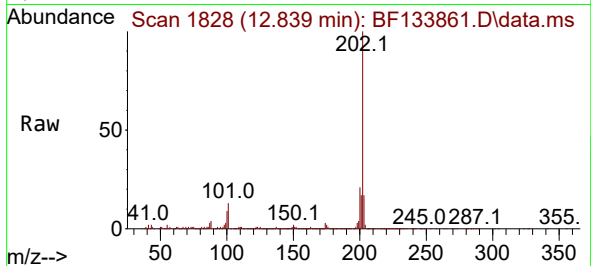




#78
 Pyrene
 Concen: 10.646 ng
 RT: 12.839 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF133861.D
 Acq: 20 Jun 2023 17:48

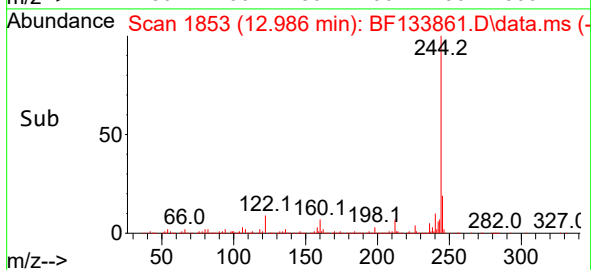
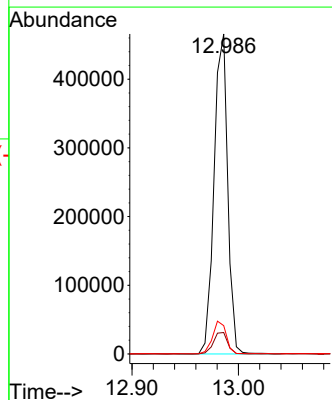
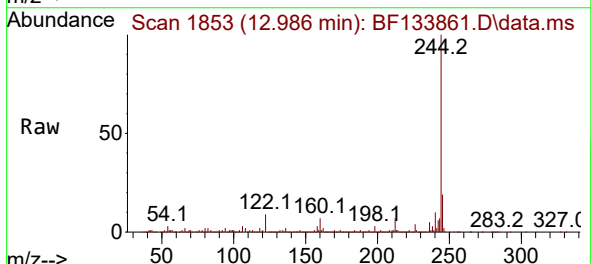
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-01/02

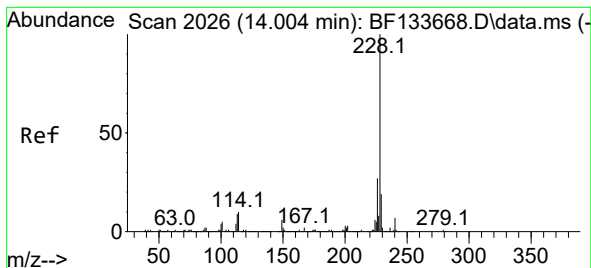
Tgt Ion:202 Resp: 158641
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.2 24.2
 203 17.3 13.9 20.9



#79
 Terphenyl-d14
 Concen: 40.179 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: BF133861.D
 Acq: 20 Jun 2023 17:48

Tgt Ion:244 Resp: 415359
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 8.9 8.1 12.1





#81

Benzo(a)anthracene

Concen: 7.512 ng

RT: 14.033 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-01/02

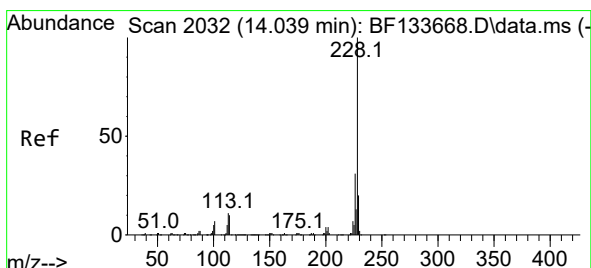
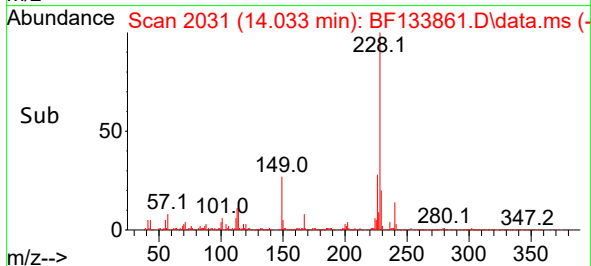
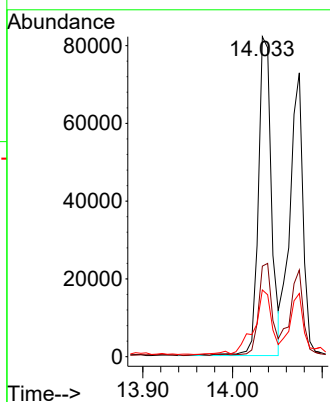
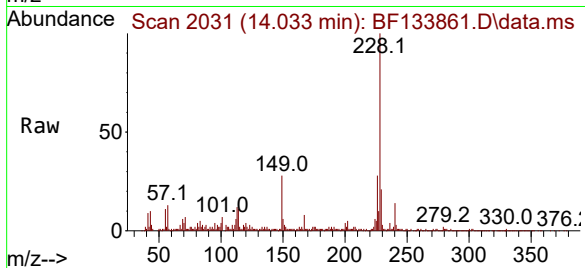
Tgt Ion:228 Resp: 83112

Ion Ratio Lower Upper

228 100

226 28.3 21.7 32.5

229 20.8 15.4 23.2



#83

Chrysene

Concen: 7.078 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

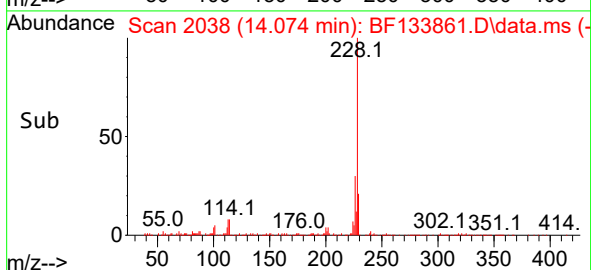
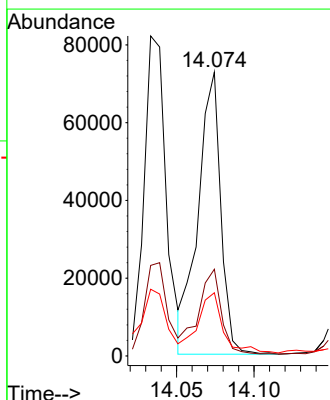
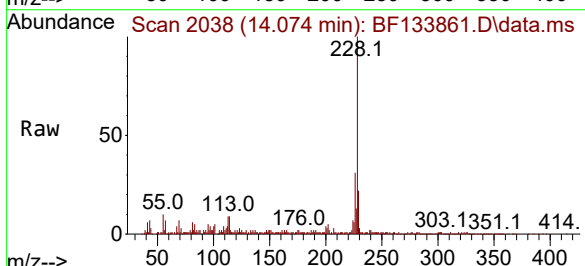
Tgt Ion:228 Resp: 74077

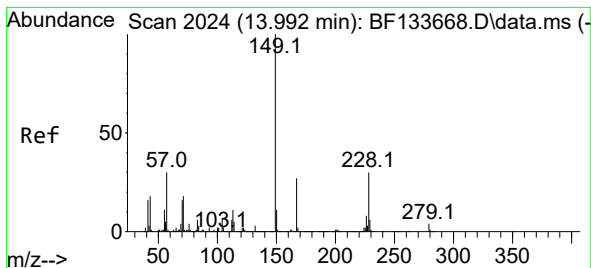
Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

229 22.3 15.8 23.8

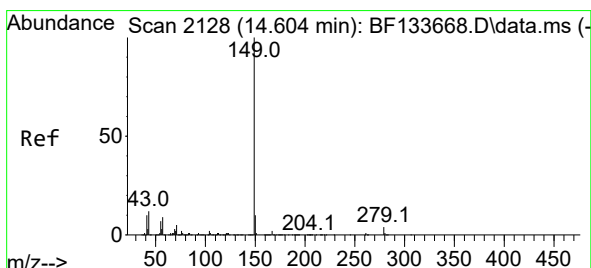
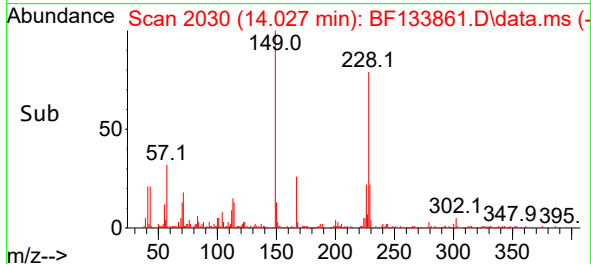
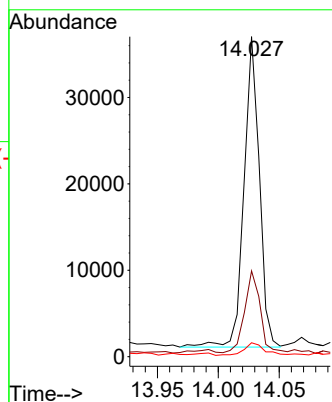
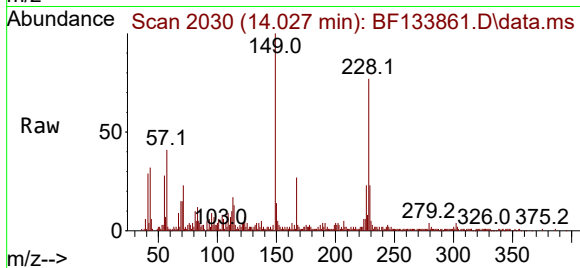




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.069 ng
 RT: 14.027 min Scan# 2024
 Delta R.T. 0.000 min
 Lab File: BF133861.D
 Acq: 20 Jun 2023 17:48

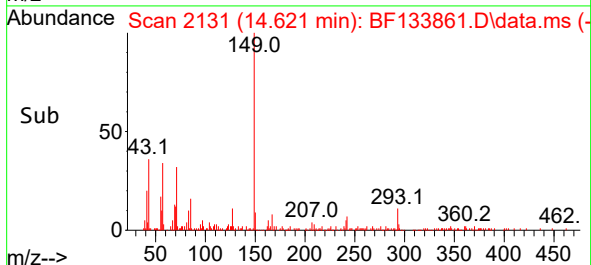
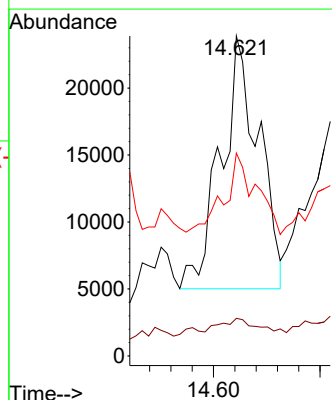
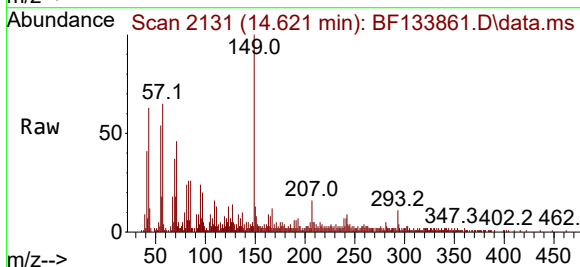
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-01/02

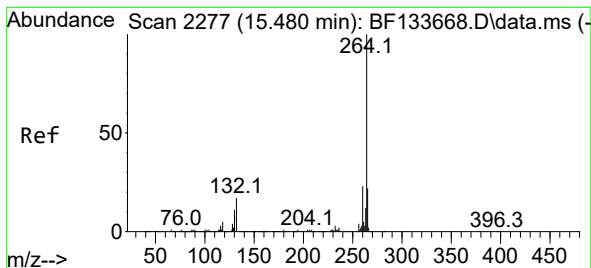
Tgt Ion:149 Resp: 31517
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.8 32.8
 279 4.4 3.3 4.9



#85
 Di-n-octyl phthalate
 Concen: 4.235 ng
 RT: 14.621 min Scan# 2131
 Delta R.T. -0.023 min
 Lab File: BF133861.D
 Acq: 20 Jun 2023 17:48

Tgt Ion:149 Resp: 46614
 Ion Ratio Lower Upper
 149 100
 167 5.8 1.4 2.0#
 43 27.2 8.7 13.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-01/02

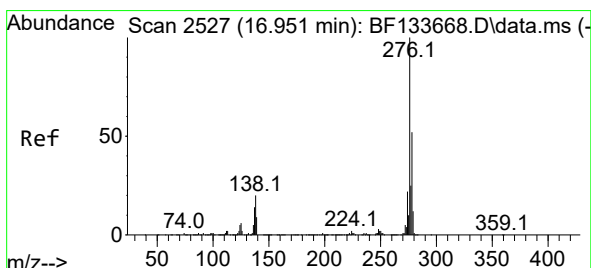
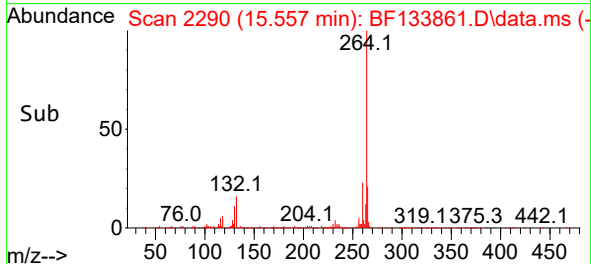
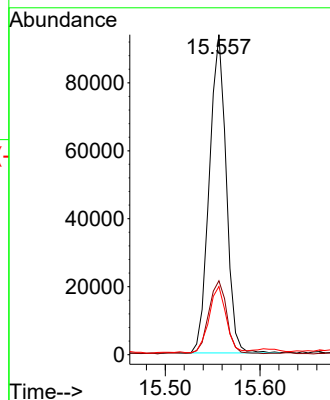
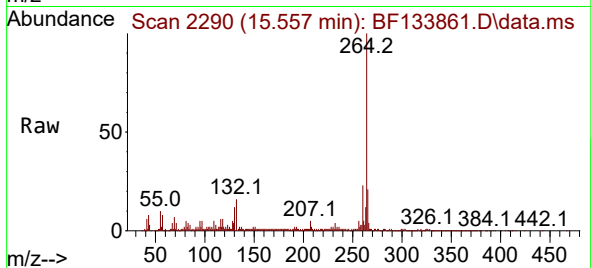
Tgt Ion:264 Resp: 115871

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.2

265 21.3 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.763 ng

RT: 17.098 min Scan# 2552

Delta R.T. 0.000 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

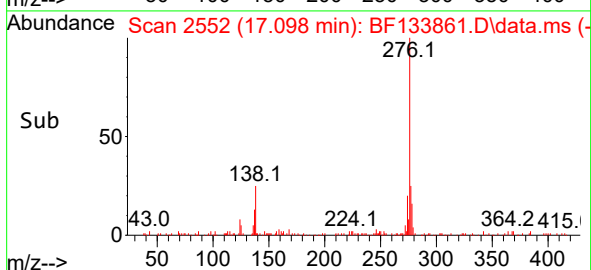
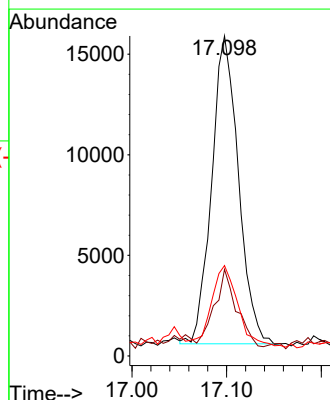
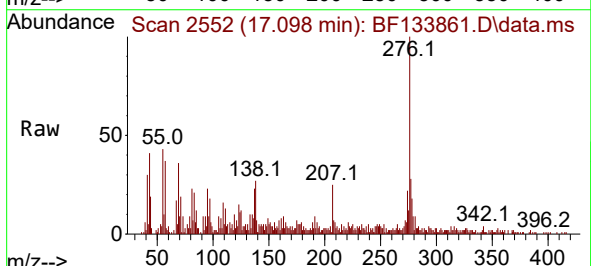
Tgt Ion:276 Resp: 29999

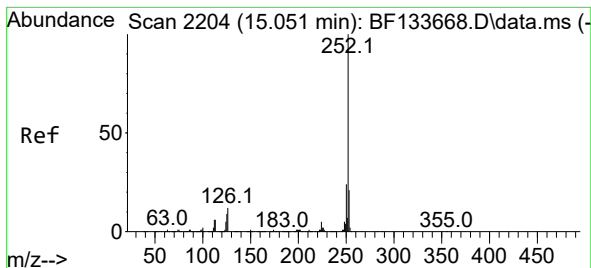
Ion Ratio Lower Upper

276 100

138 20.9 17.9 26.9

277 26.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 14.901 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-01/02

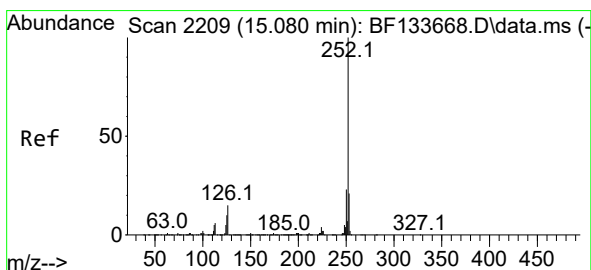
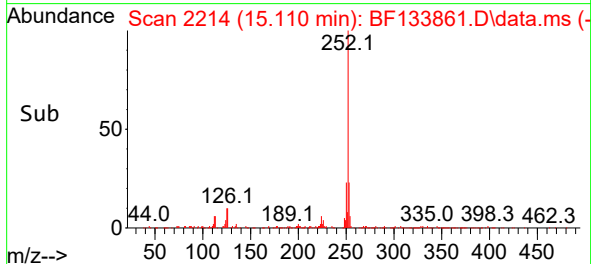
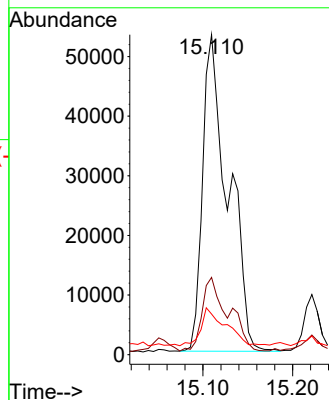
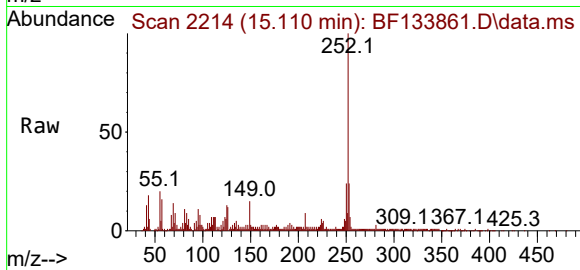
Tgt Ion:252 Resp: 104880

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 12.7 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 15.296 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.023 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

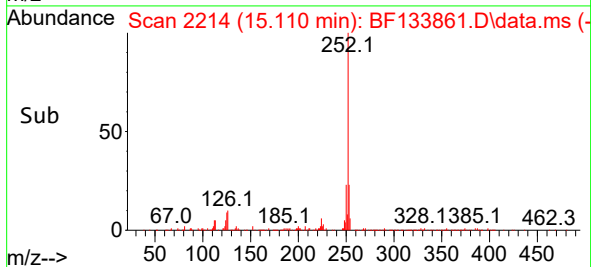
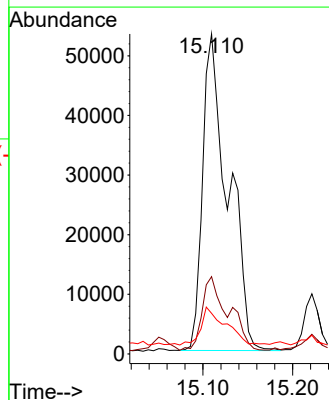
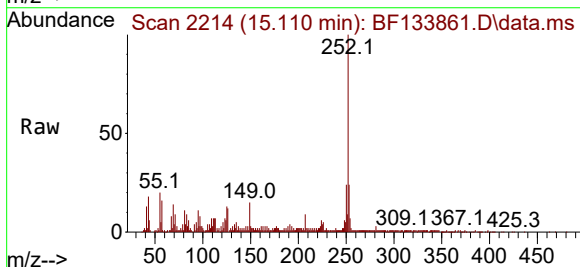
Tgt Ion:252 Resp: 104880

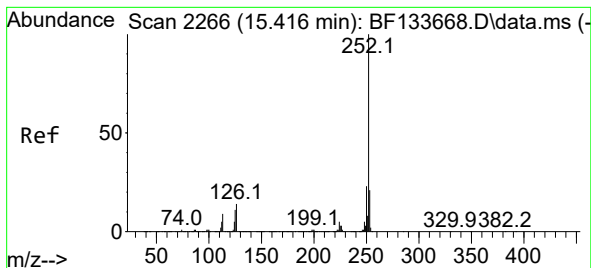
Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

125 12.7 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 7.522 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-01/02

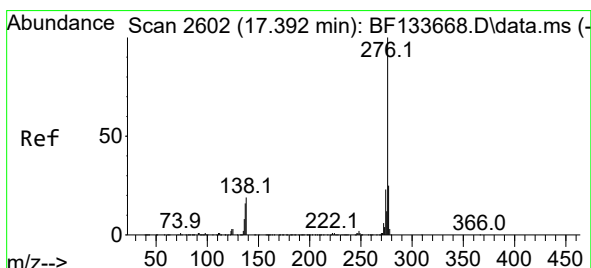
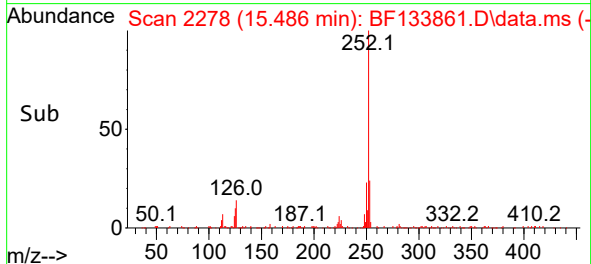
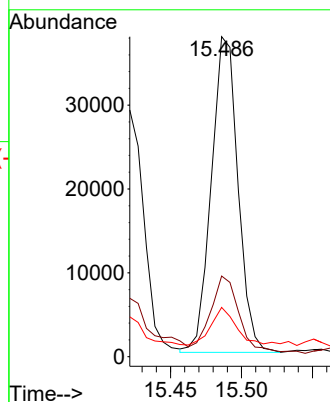
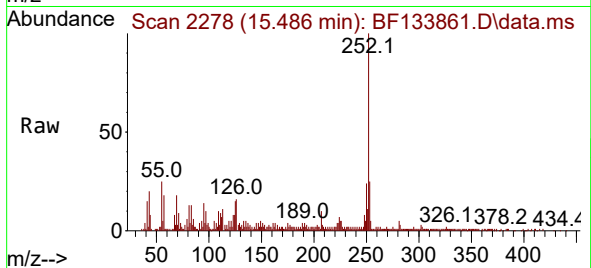
Tgt Ion:252 Resp: 49137

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

125 15.4 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 5.054 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.006 min

Lab File: BF133861.D

Acq: 20 Jun 2023 17:48

Tgt Ion:276 Resp: 33069

Ion Ratio Lower Upper

276 100

277 25.6 19.8 29.8

138 24.3 15.0 22.4#

