

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133811.D
 Acq On : 16 Jun 2023 17:30
 Operator : CG\JU
 Sample : 03222-19 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-16

Quant Time: Jun 16 18:06:19 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 16 14:54:03 2023
 Response via : Initial Calibration

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

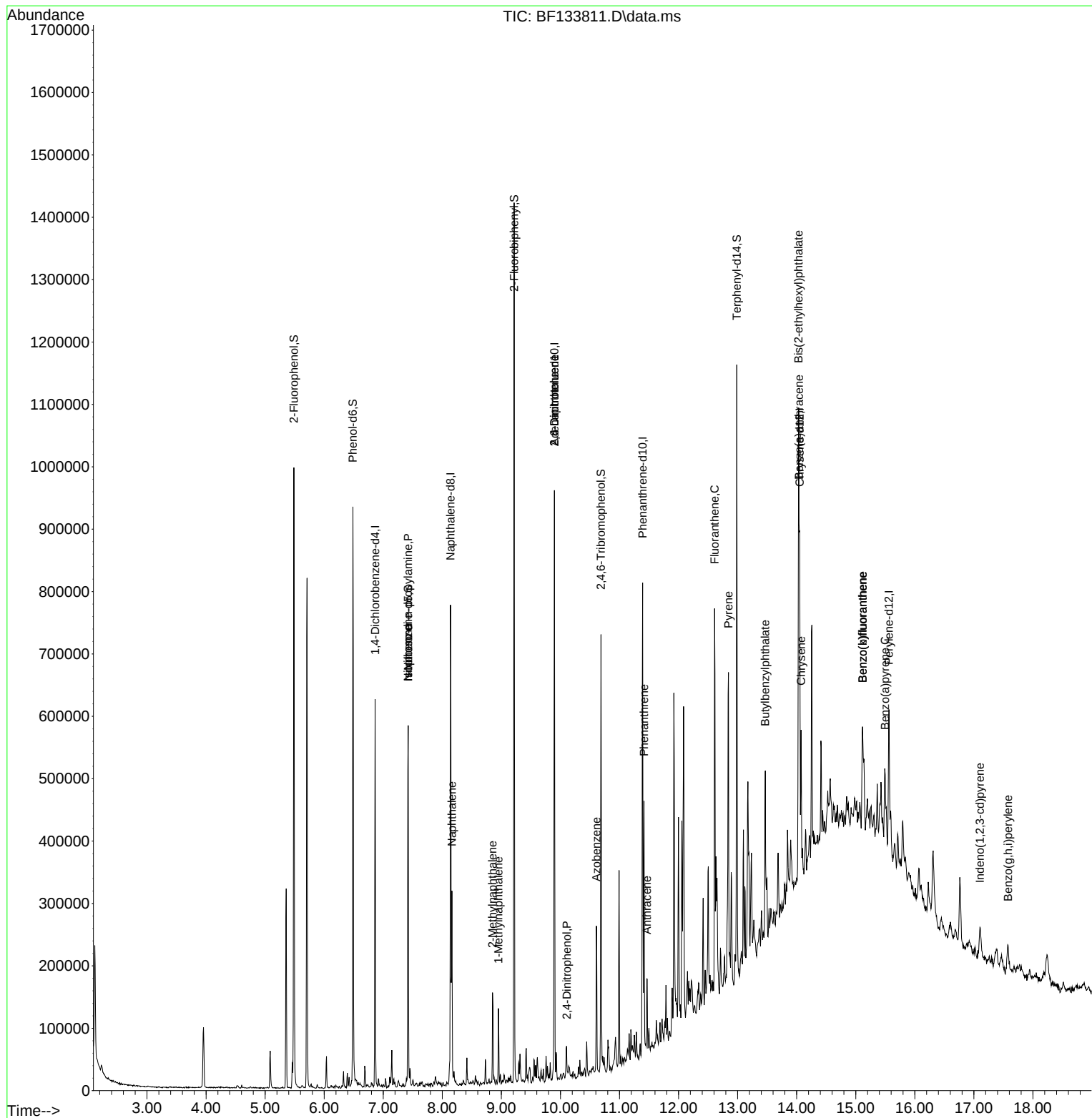
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	78650	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	325616	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	155612	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	267363	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151379	20.000	ng	0.00
86) Perylene-d12	15.562	264	114477	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	234277	51.857	ng	0.00
7) Phenol-d6	6.487	99	256189	43.565	ng	-0.01
23) Nitrobenzene-d5	7.422	82	163793	27.398	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	72904	37.011	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	359679	32.857	ng	0.00
79) Terphenyl-d14	12.986	244	300887	30.756	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	22310	5.963	ng	# 81
25) Isophorone	7.422	82	163793	14.924	ng	# 65
31) Naphthalene	8.163	128	105254	6.635	ng	98
37) 2-Methylnaphthalene	8.851	142	36961	3.353	ng	100
38) 1-Methylnaphthalene	8.951	142	27051	2.667	ng	97
51) 2,6-Dinitrotoluene	9.898	165	21122	8.810	ng	# 30
54) 2,4-Dinitrophenol	10.110	184	72	5.774	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	21122	6.927	ng	# 21
63) Azobenzene	10.610	77	37900	3.387	ng	# 1
71) Phenanthrene	11.416	178	140464	10.355	ng	99
72) Anthracene	11.463	178	45778	3.237	ng	96
75) Fluoranthene	12.610	202	242097	16.807	ng	98
78) Pyrene	12.845	202	223356	15.839	ng	98
80) Butylbenzylphthalate	13.468	149	52310	8.787	ng	95
81) Benzo(a)anthracene	14.039	228	101545	9.698	ng	94
83) Chrysene	14.074	228	84998	8.583	ng	95
84) Bis(2-ethylhexyl)phtha...	14.033	149	165617	22.594	ng	98
87) Indeno(1,2,3-cd)pyrene	17.104	276	38333	4.867	ng	95
88) Benzo(b)fluoranthene	15.115	252	122509	17.617	ng	# 95
89) Benzo(k)fluoranthene	15.115	252	122509	18.085	ng	# 95
90) Benzo(a)pyrene	15.498	252	61198	9.482	ng	96
92) Benzo(g,h,i)perylene	17.580	276	36926	5.712	ng	95

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

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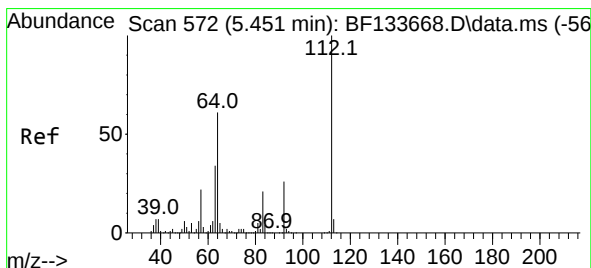
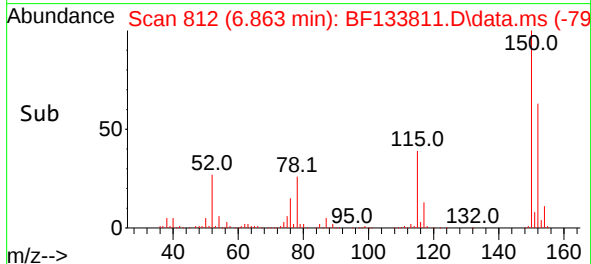
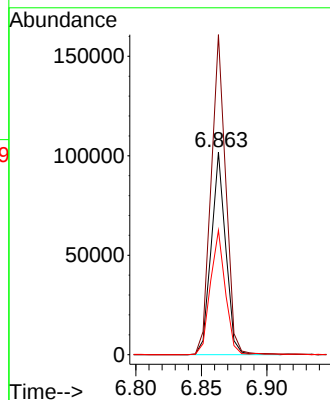
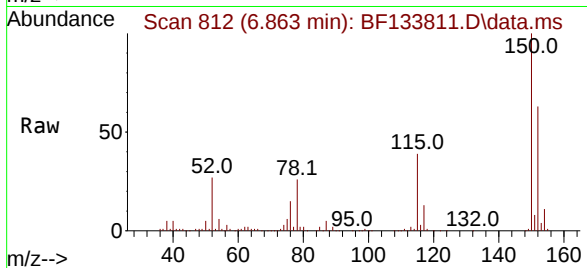




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

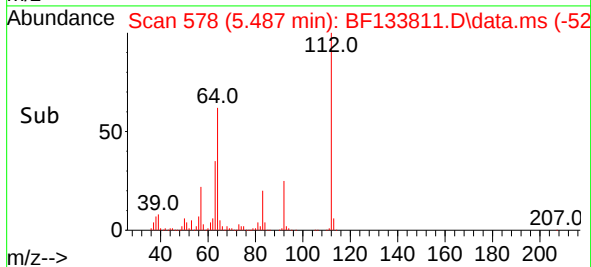
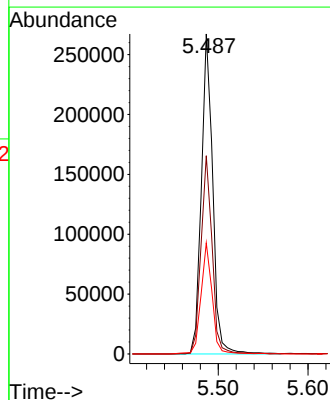
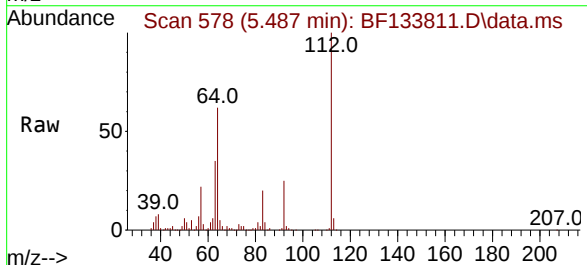
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16

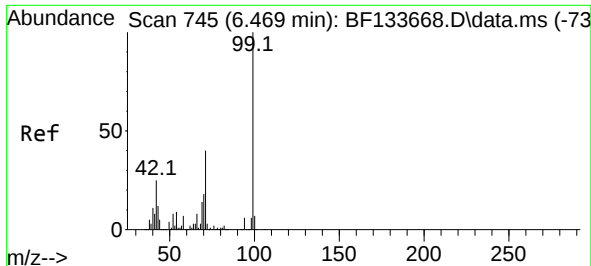
Tgt Ion:152 Resp: 78650
Ion Ratio Lower Upper
152 100
150 158.0 124.3 186.5
115 61.3 48.5 72.7



#5
2-Fluorophenol
Concen: 51.857 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion:112 Resp: 234277
Ion Ratio Lower Upper
112 100
64 61.9 49.0 73.4
63 34.7 26.8 40.2

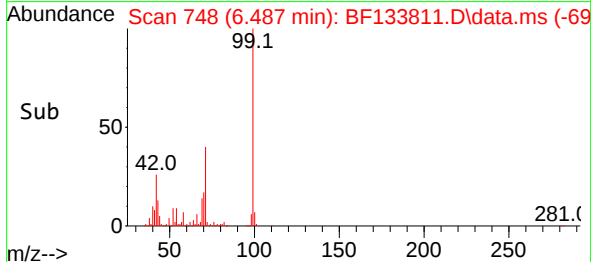
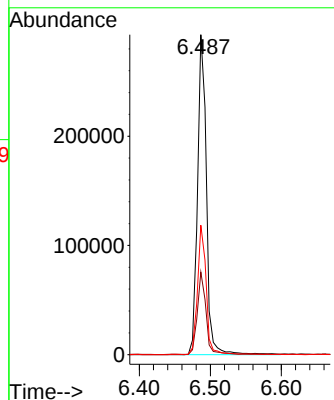
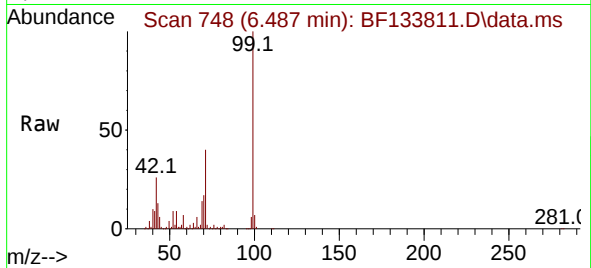




#7
Phenol-d6
Concen: 43.565 ng
RT: 6.487 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

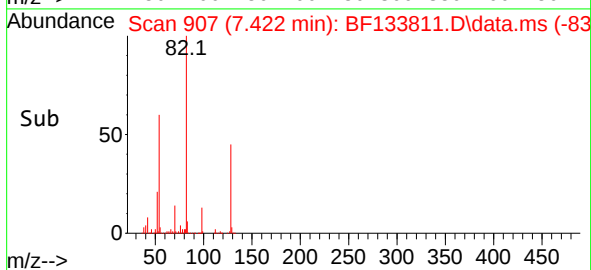
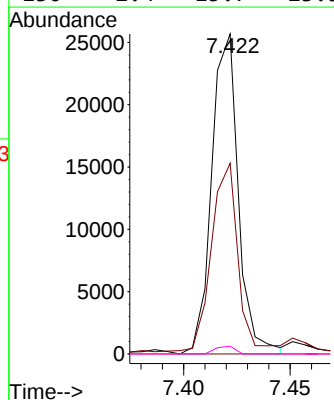
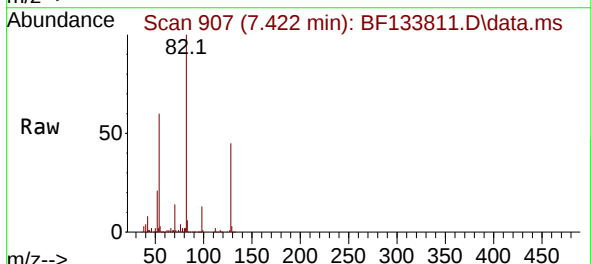
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16

Tgt Ion: 99 Resp: 256189
Ion Ratio Lower Upper
99 100
42 25.8 19.9 29.9
71 40.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.963 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion: 70 Resp: 22310
Ion Ratio Lower Upper
70 100
42 59.6 55.8 83.8
101 0.0 8.1 12.1#
130 2.4 15.7 23.5#

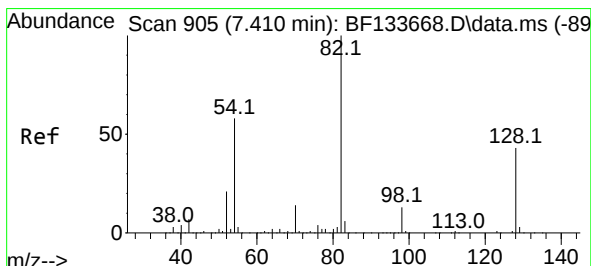
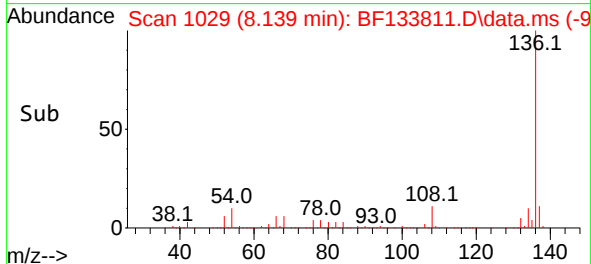
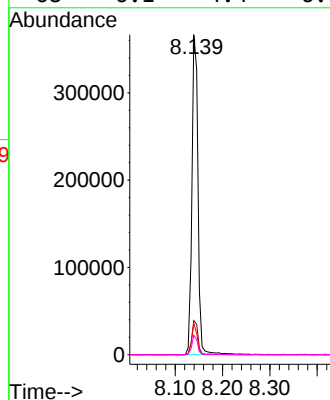
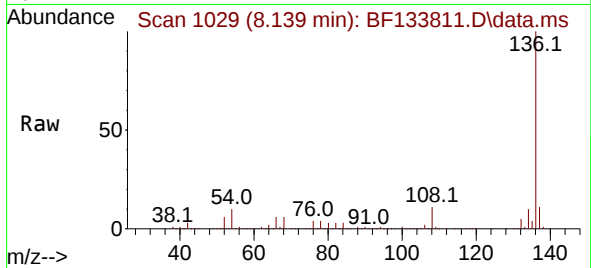




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

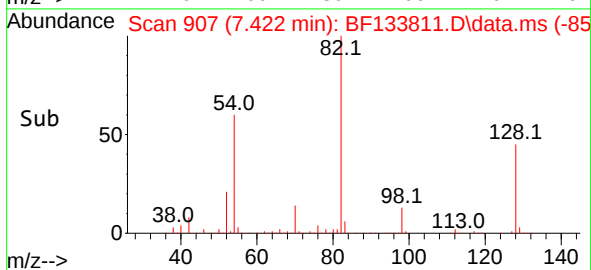
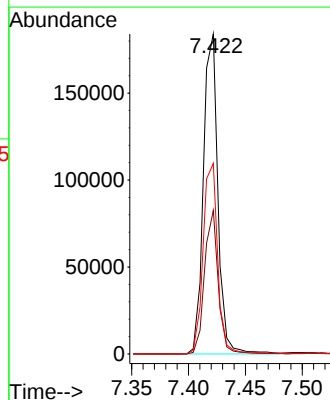
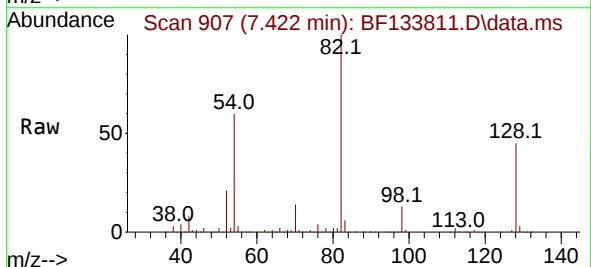
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16

Tgt Ion:136 Resp: 325616
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.7 7.4 11.0
68 6.1 4.4 6.6



#23
Nitrobenzene-d5
Concen: 27.398 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion: 82 Resp: 163793
Ion Ratio Lower Upper
82 100
128 44.9 34.2 51.2
54 59.5 46.5 69.7

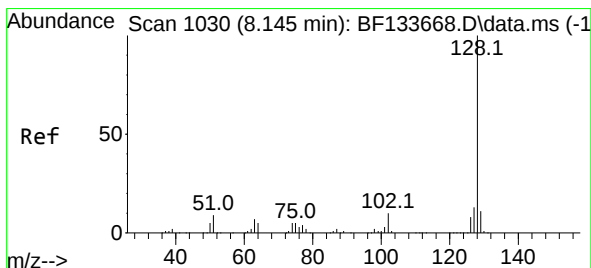
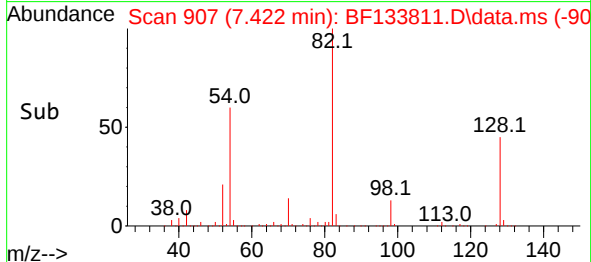
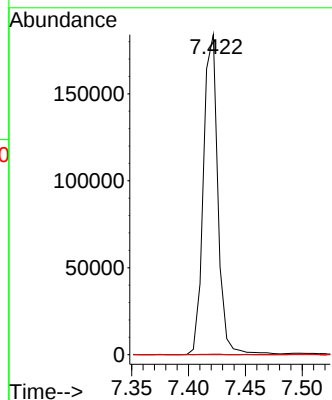
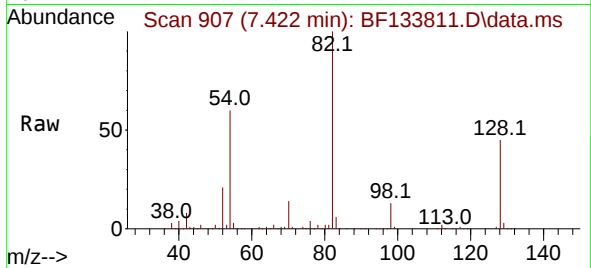




#25
Isophorone
Concen: 14.924 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

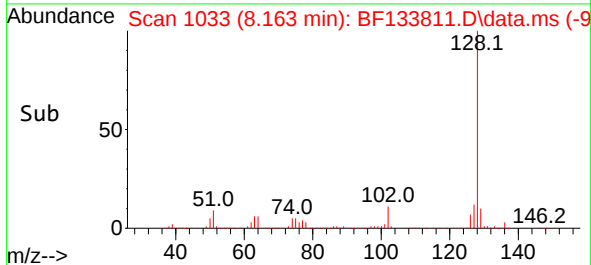
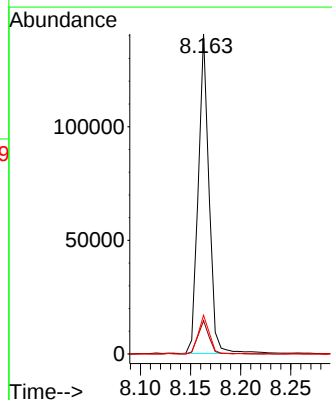
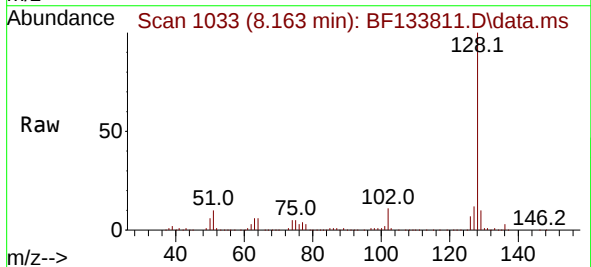
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16

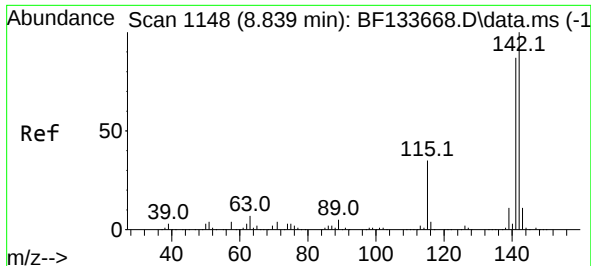
Tgt Ion: 82 Resp: 163793
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 6.635 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion: 128 Resp: 105254
Ion Ratio Lower Upper
128 100
129 10.4 8.9 13.3
127 12.1 10.5 15.7





#37

2-Methylnaphthalene

Concen: 3.353 ng

RT: 8.851 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

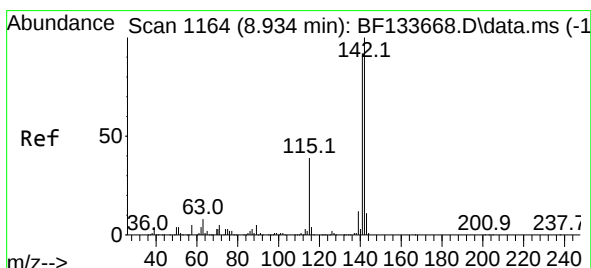
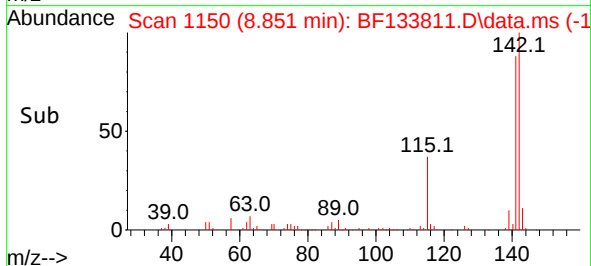
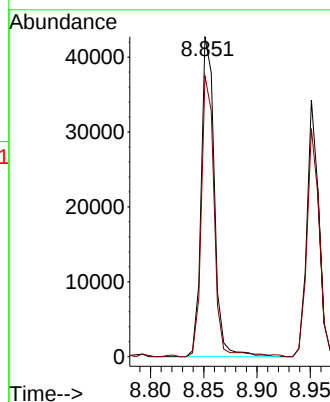
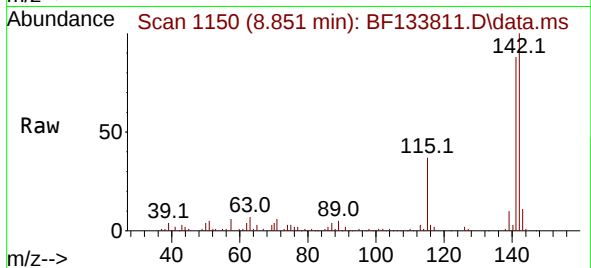
COMPOSIT-SB-16

Tgt Ion:142 Resp: 36961

Ion Ratio Lower Upper

142 100

141 87.7 69.8 104.8



#38

1-Methylnaphthalene

Concen: 2.667 ng

RT: 8.951 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF133811.D

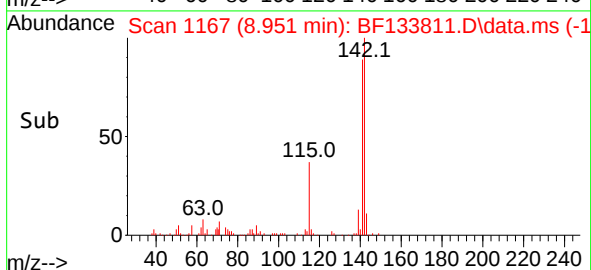
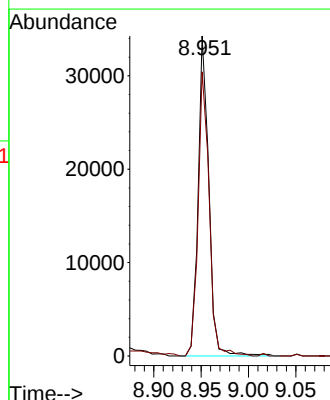
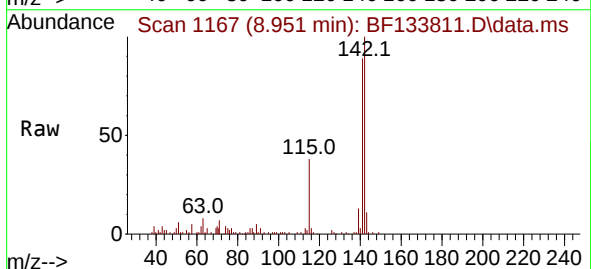
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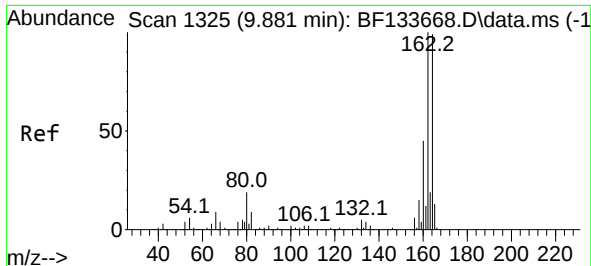
Tgt Ion:142 Resp: 27051

Ion Ratio Lower Upper

142 100

141 88.8 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

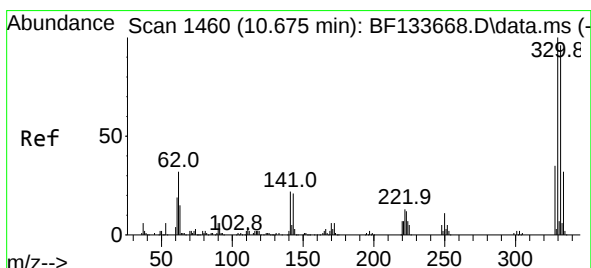
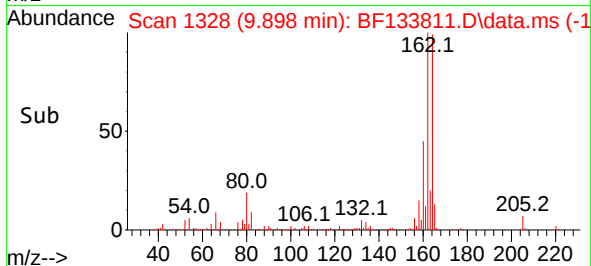
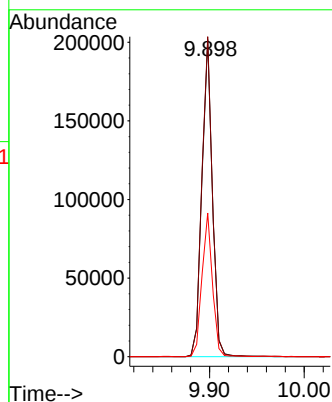
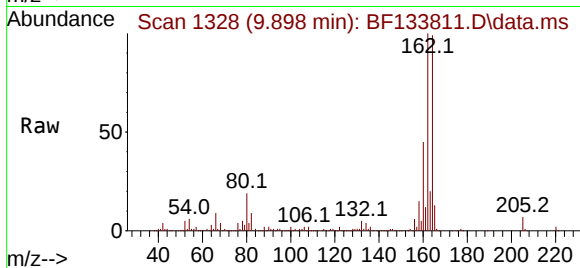
Tgt Ion:164 Resp: 155612

Ion Ratio Lower Upper

164 100

162 100.9 80.8 121.2

160 45.3 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 37.011 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

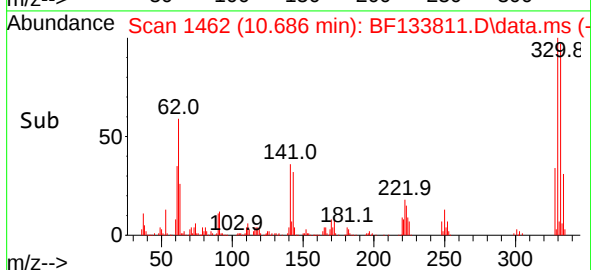
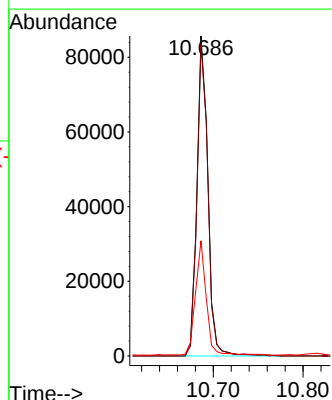
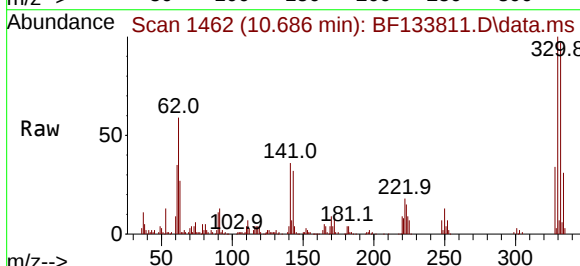
Tgt Ion:330 Resp: 72904

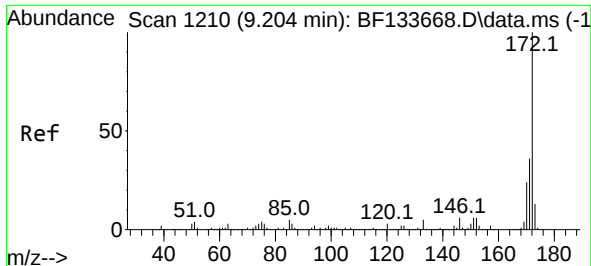
Ion Ratio Lower Upper

330 100

332 97.4 77.2 115.8

141 35.3 24.9 37.3

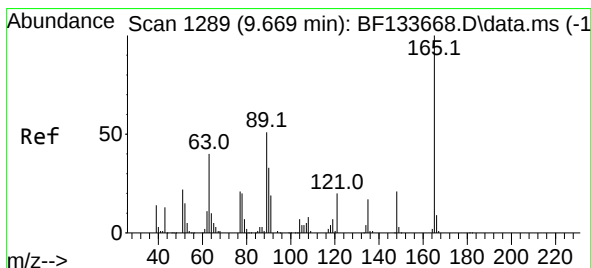
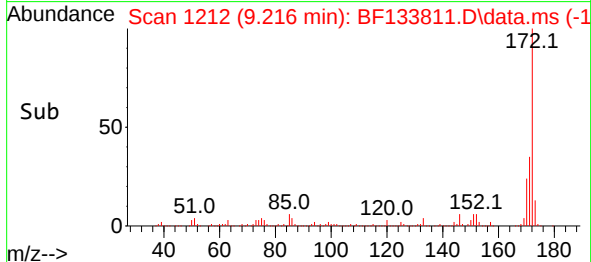
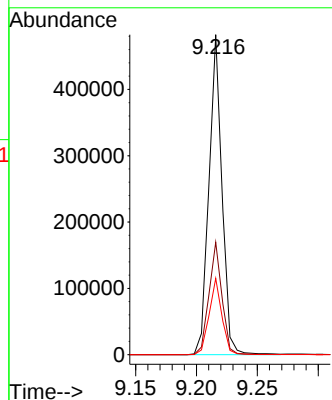
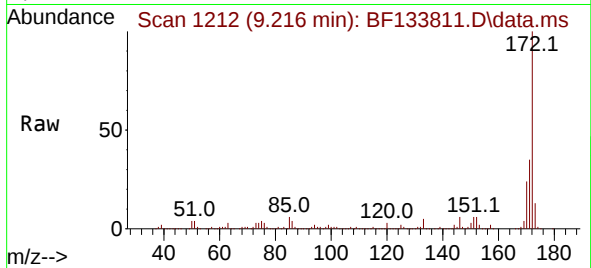




#45
2-Fluorobiphenyl
Concen: 32.857 ng
RT: 9.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

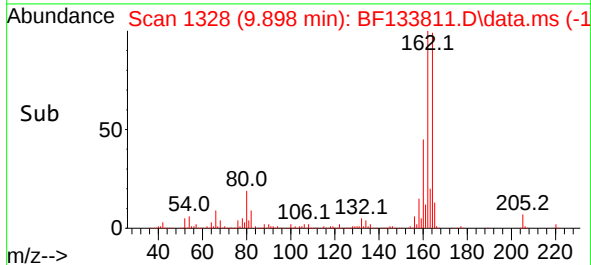
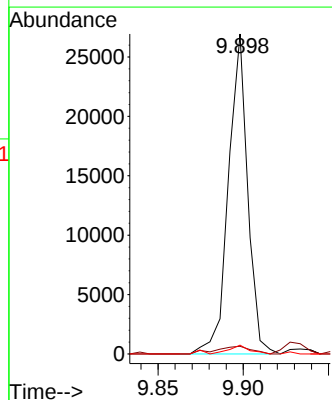
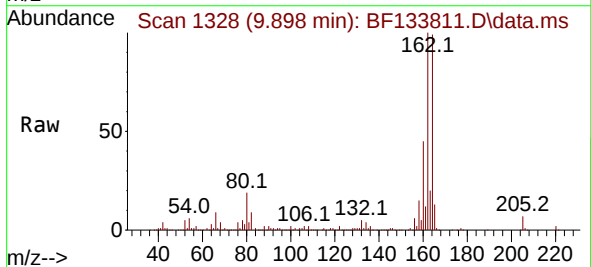
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16

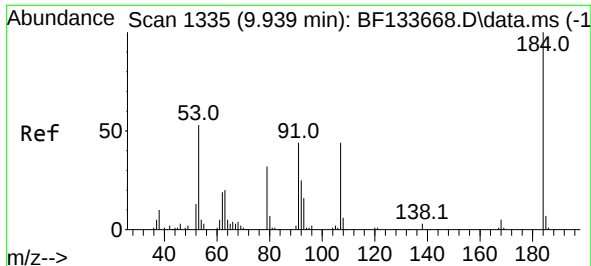
Tgt Ion:172 Resp: 359679
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.9 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 8.810 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion:165 Resp: 21122
Ion Ratio Lower Upper
165 100
63 2.4 42.1 63.1#
89 2.7 40.9 61.3#





#54

2,4-Dinitrophenol

Concen: 5.774 ng

RT: 10.110 min Scan# 1

Delta R.T. 0.147 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

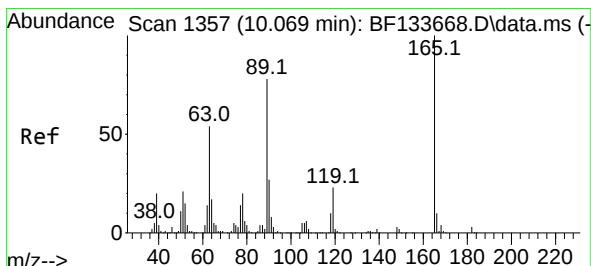
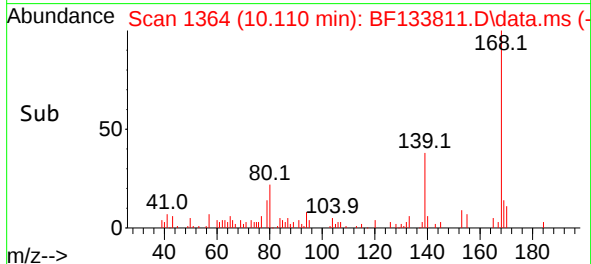
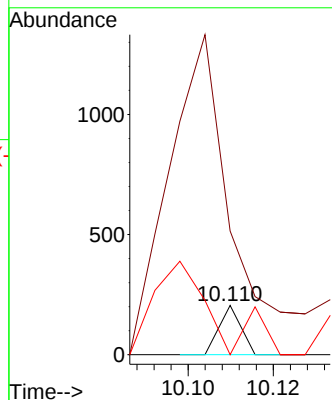
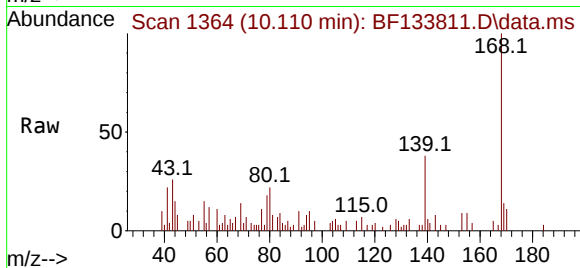
Tgt Ion:184 Resp: 72

Ion Ratio Lower Upper

184 100

63 251.2 55.3 82.9#

154 0.0 51.9 77.9#



#57

2,4-Dinitrotoluene

Concen: 6.927 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.194 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Tgt Ion:165 Resp: 21122

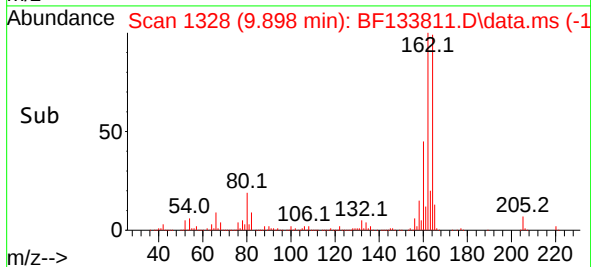
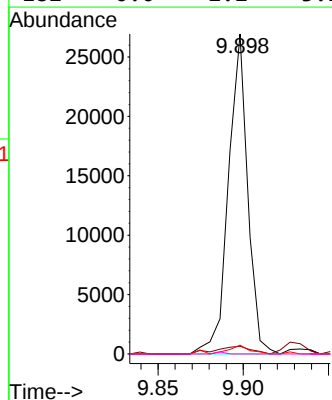
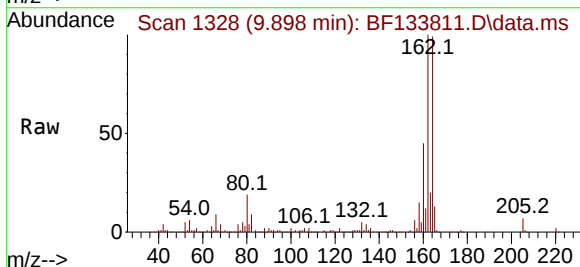
Ion Ratio Lower Upper

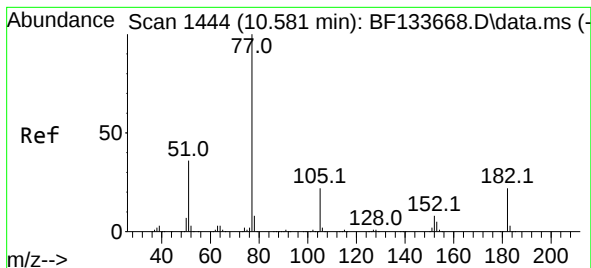
165 100

63 2.4 43.0 64.6#

89 2.7 62.6 93.8#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.387 ng

RT: 10.610 min Scan# 1444

Delta R.T. 0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

Tgt Ion: 77 Resp: 37900

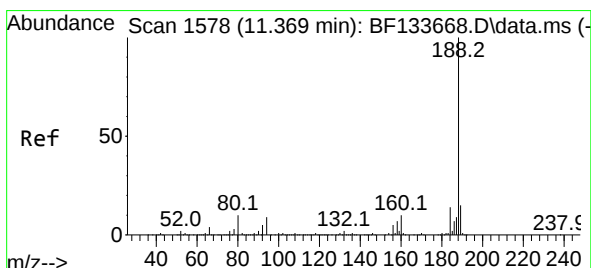
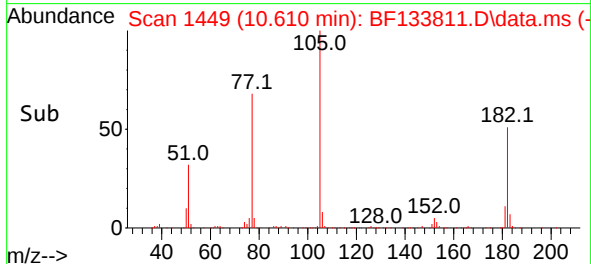
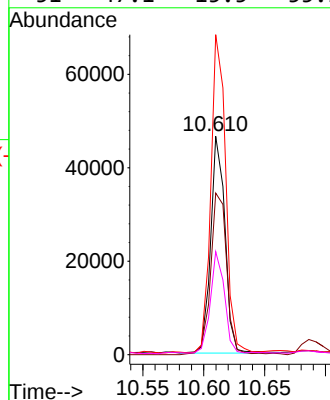
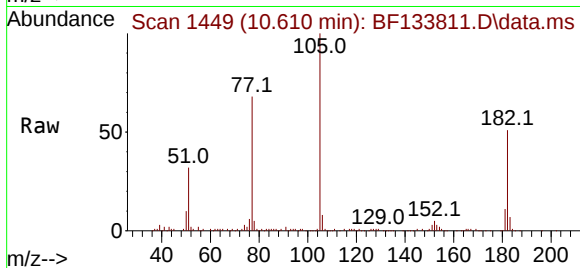
Ion Ratio Lower Upper

77 100

182 74.0 1.6 41.6#

105 146.5 1.6 41.6#

51 47.1 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

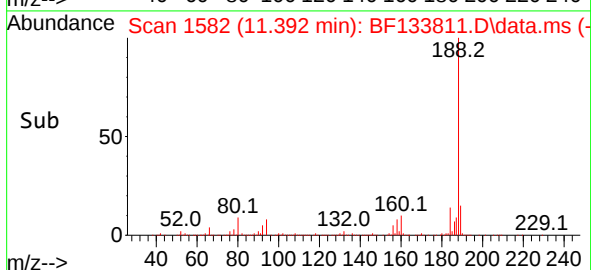
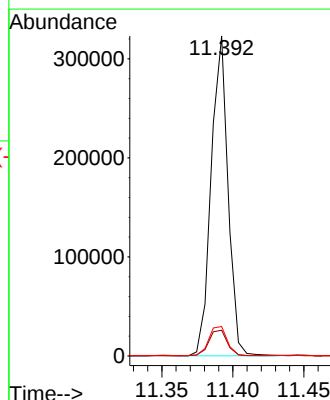
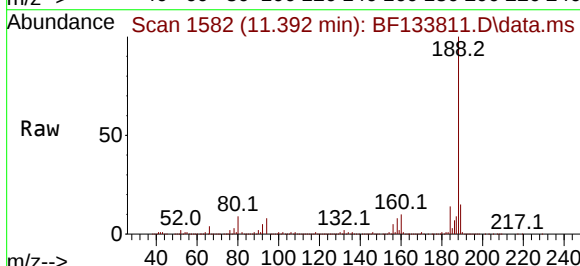
Tgt Ion: 188 Resp: 267363

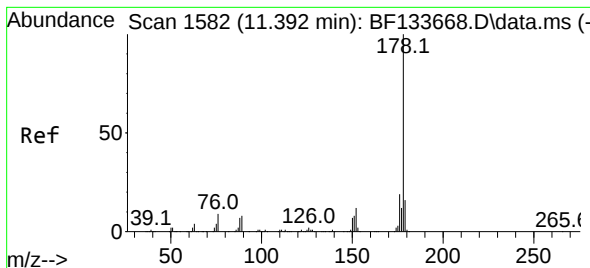
Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 9.2 7.8 11.6





#71

Phenanthrene

Concen: 10.355 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

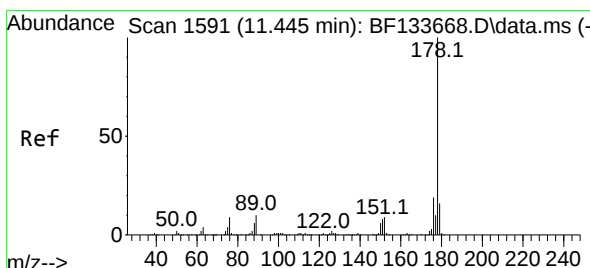
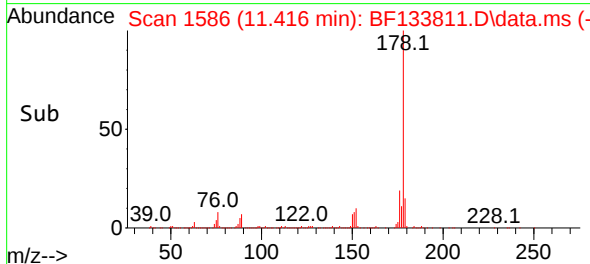
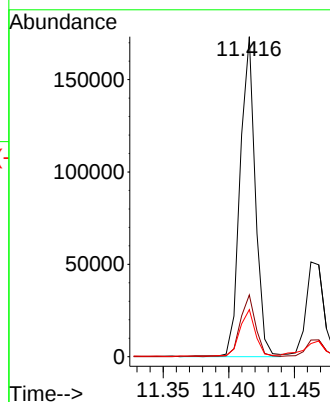
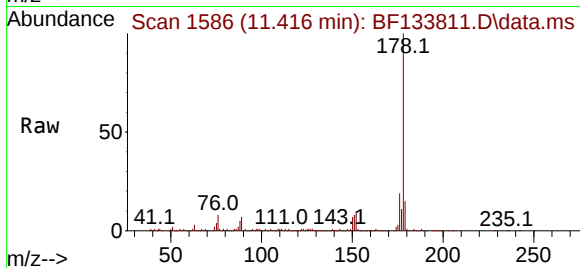
Tgt Ion:178 Resp: 140464

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 14.7 12.4 18.6



#72

Anthracene

Concen: 3.237 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

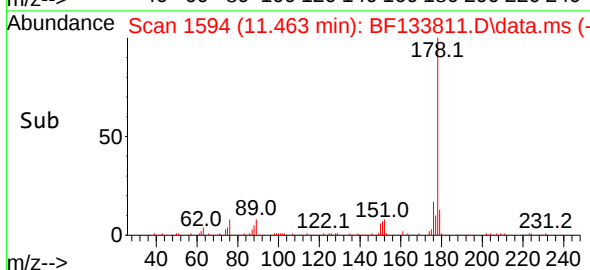
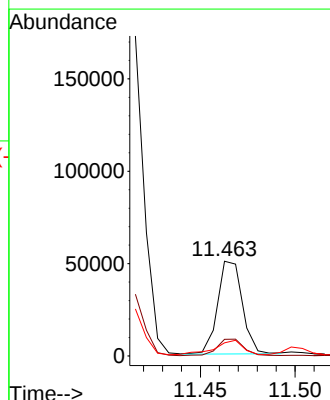
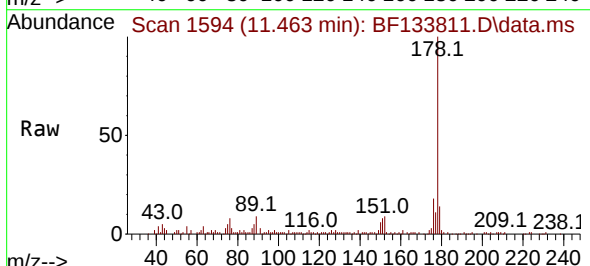
Tgt Ion:178 Resp: 45778

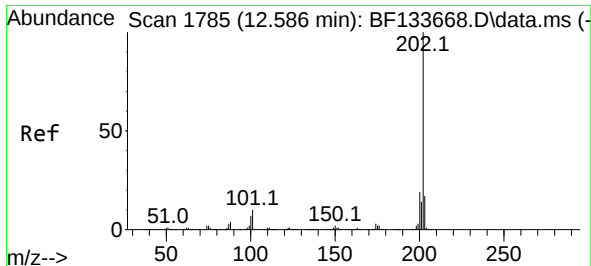
Ion Ratio Lower Upper

178 100

176 17.6 15.1 22.7

179 13.9 12.6 18.8

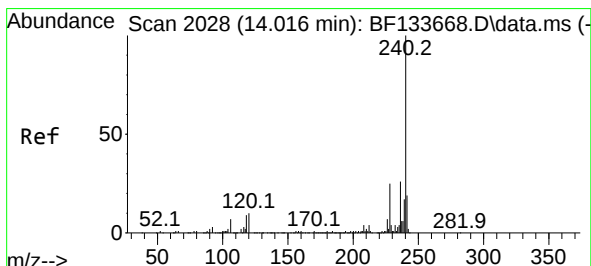
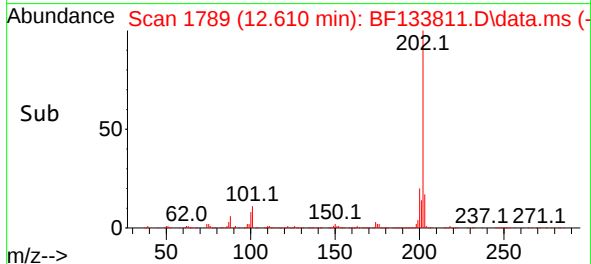
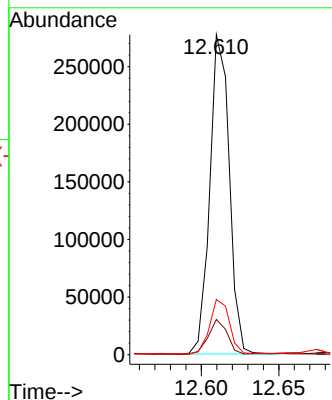
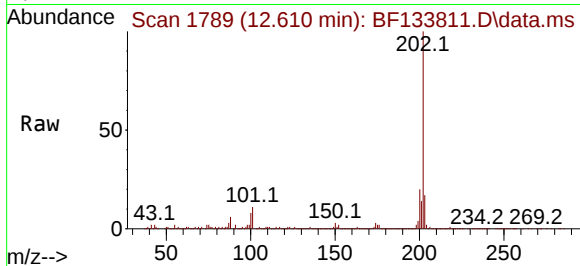




#75
Fluoranthene
Concen: 16.807 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

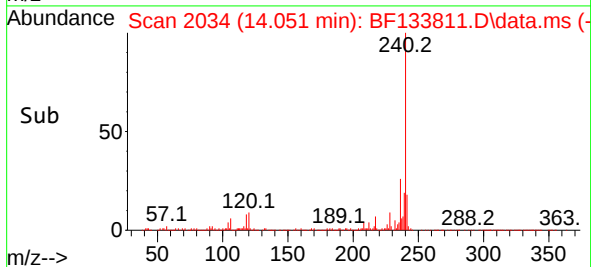
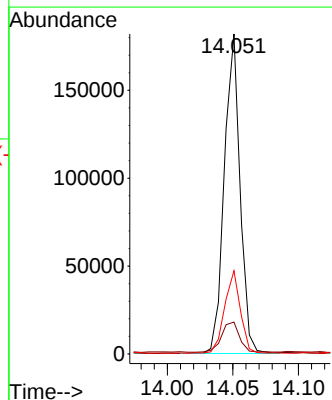
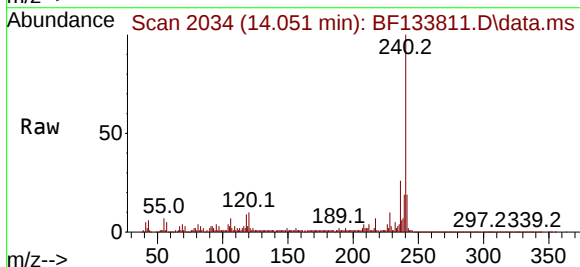
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16

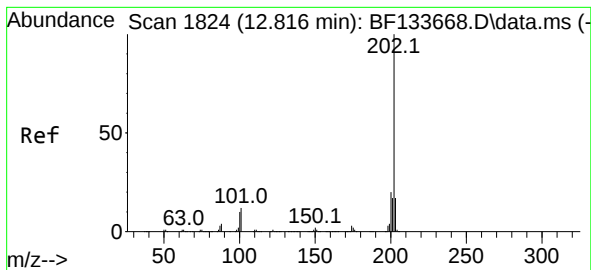
Tgt Ion:202 Resp: 242097
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.6
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion:240 Resp: 151379
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 26.0 20.5 30.7





#78

Pyrene

Concen: 15.839 ng

RT: 12.845 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

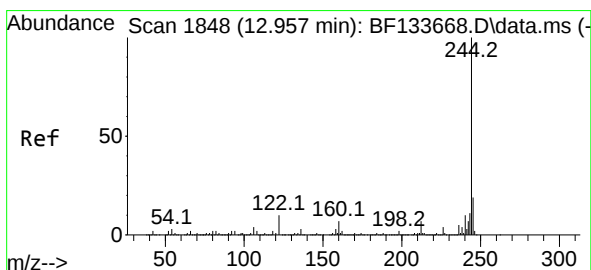
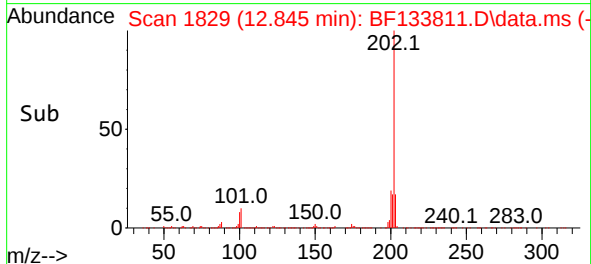
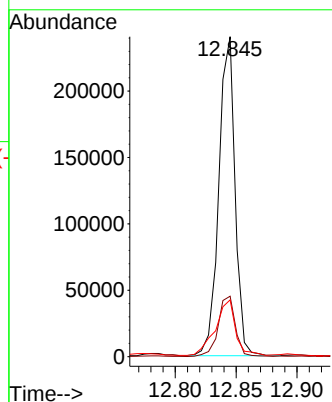
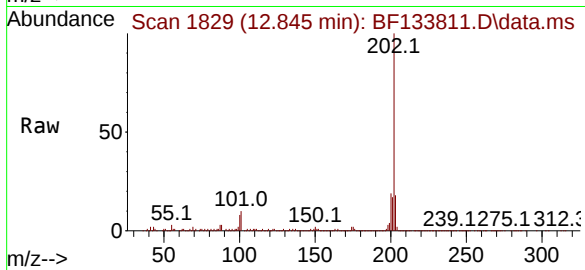
Tgt Ion:202 Resp: 223356

Ion Ratio Lower Upper

202 100

200 18.9 16.2 24.2

203 17.7 13.9 20.9



#79

Terphenyl-d14

Concen: 30.756 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

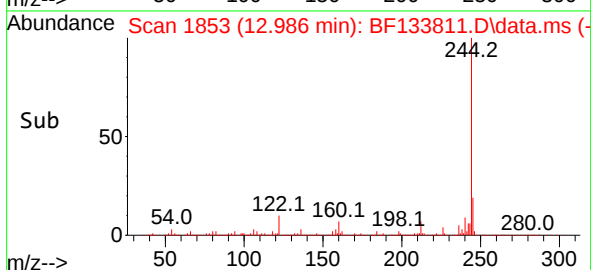
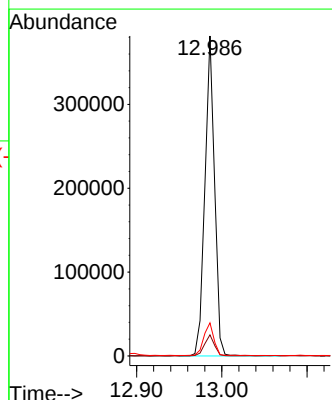
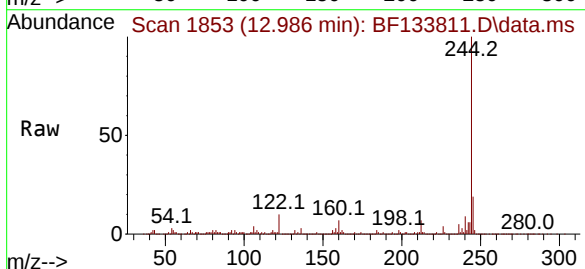
Tgt Ion:244 Resp: 300887

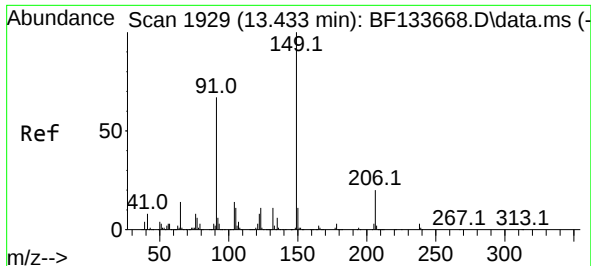
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.4 8.1 12.1

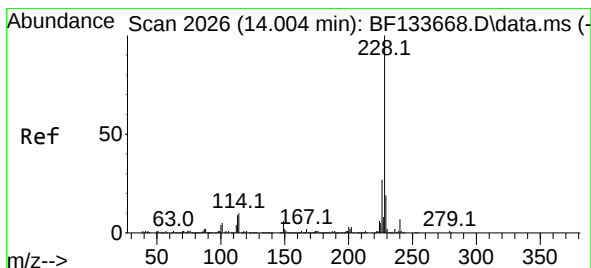
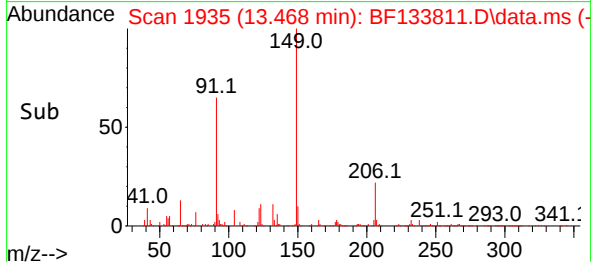
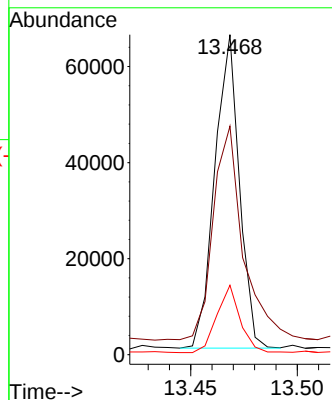
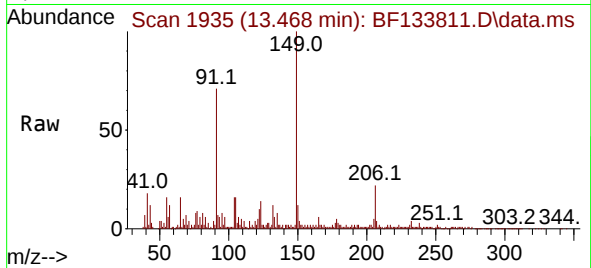




#80
Butylbenzylphthalate
Concen: 8.787 ng
RT: 13.468 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

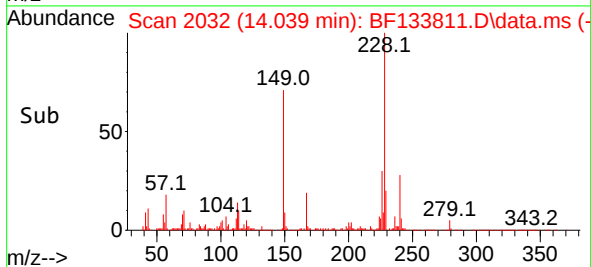
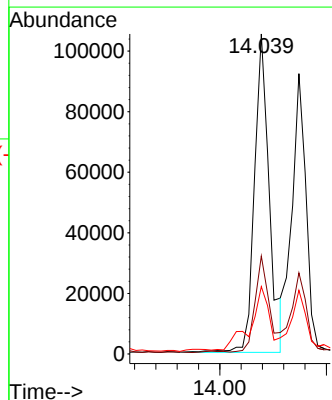
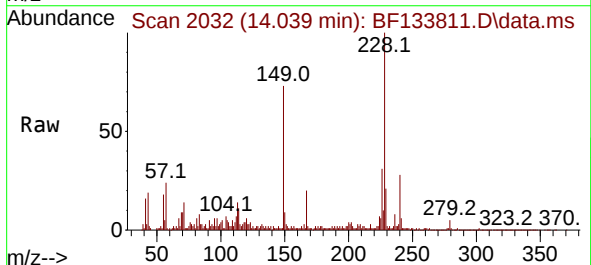
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-16

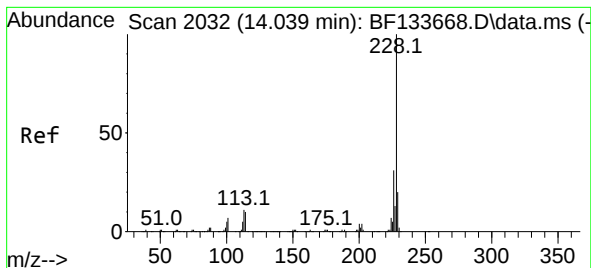
Tgt Ion:149 Resp: 52310
Ion Ratio Lower Upper
149 100
91 71.4 54.0 81.0
206 21.7 15.6 23.4



#81
Benzo(a)anthracene
Concen: 9.698 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133811.D
Acq: 16 Jun 2023 17:30

Tgt Ion:228 Resp: 101545
Ion Ratio Lower Upper
228 100
226 30.6 21.7 32.5
229 21.1 15.4 23.2





#83

Chrysene

Concen: 8.583 ng

RT: 14.074 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

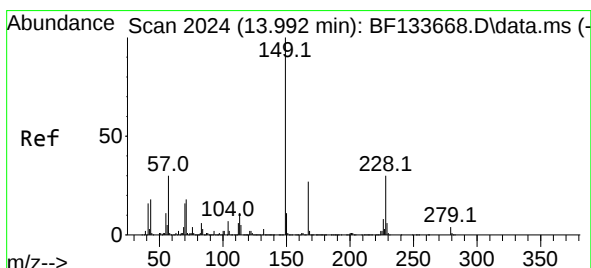
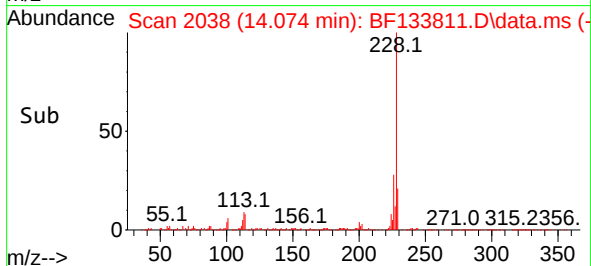
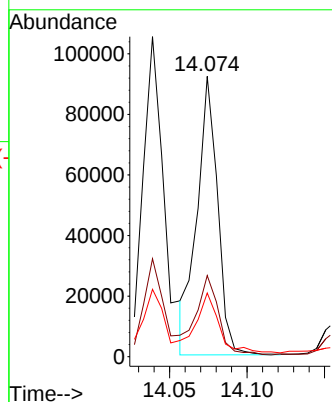
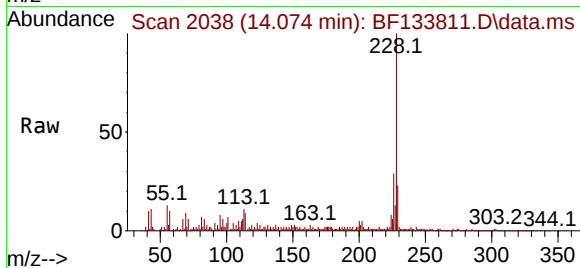
Tgt Ion:228 Resp: 84998

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

229 22.7 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 22.594 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

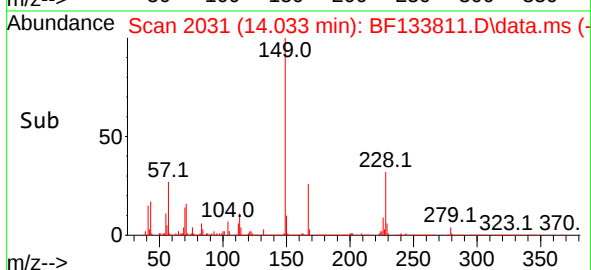
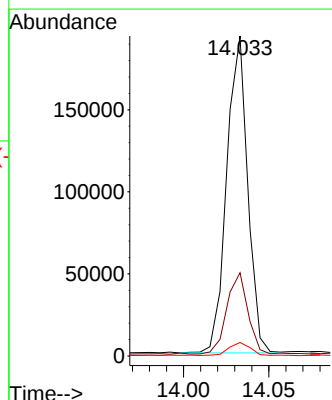
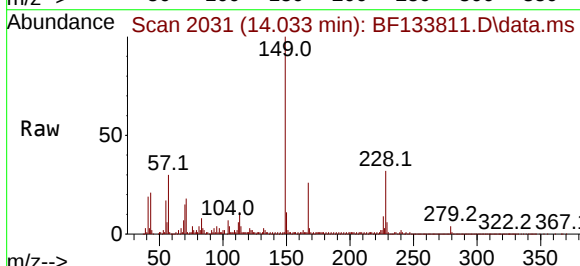
Tgt Ion:149 Resp: 165617

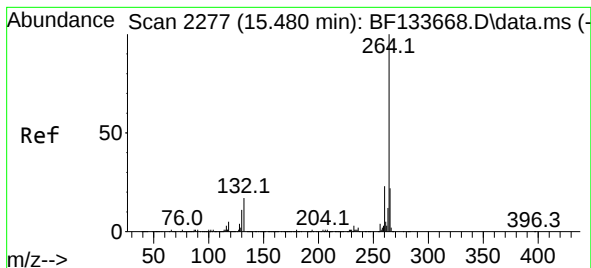
Ion Ratio Lower Upper

149 100

167 26.0 21.8 32.8

279 4.2 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

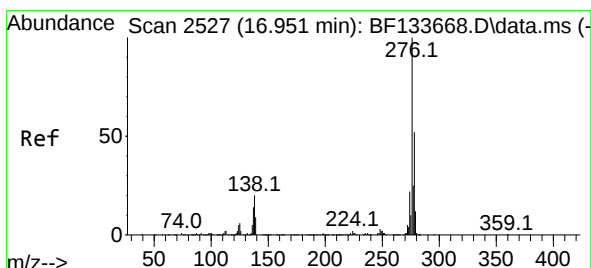
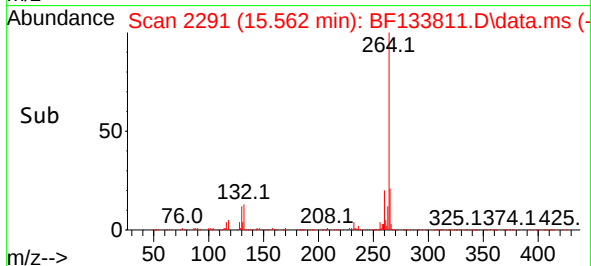
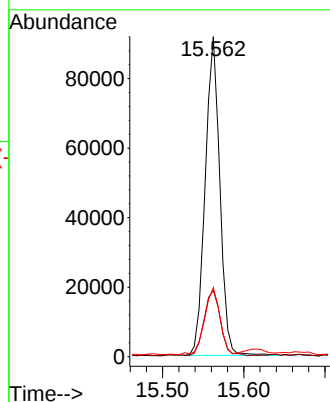
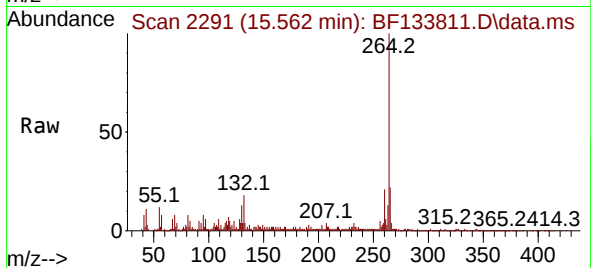
Tgt Ion:264 Resp: 114477

Ion Ratio Lower Upper

264 100

260 20.7 18.2 27.2

265 21.6 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.867 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.012 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

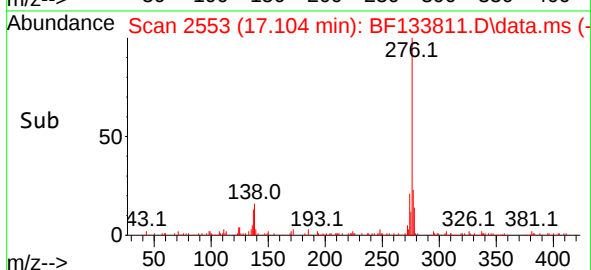
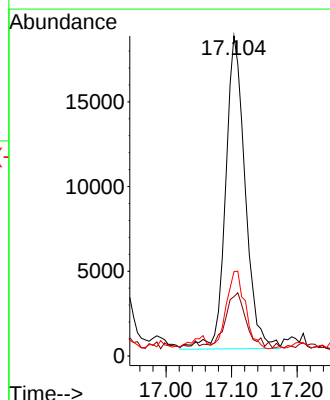
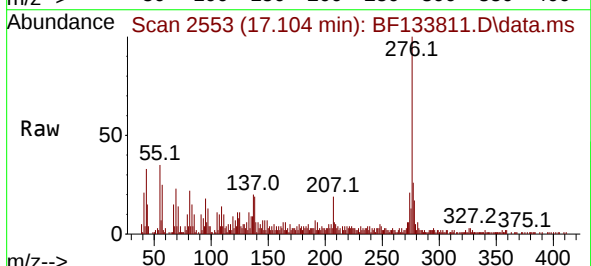
Tgt Ion:276 Resp: 38333

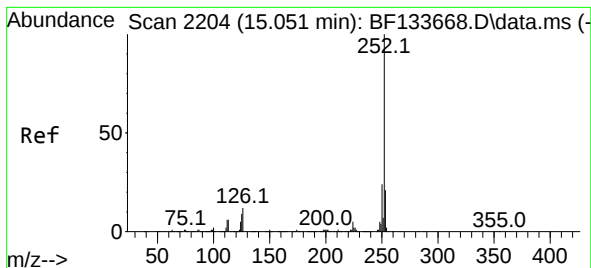
Ion Ratio Lower Upper

276 100

138 19.2 17.9 26.9

277 24.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 17.617 ng

RT: 15.115 min Scan# 2115

Delta R.T. -0.000 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

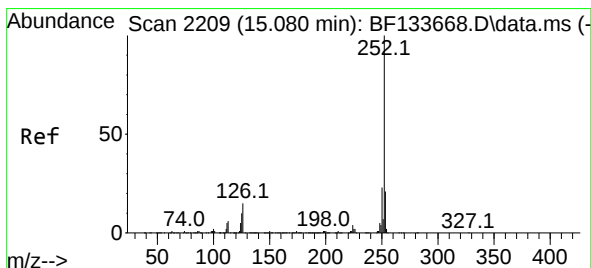
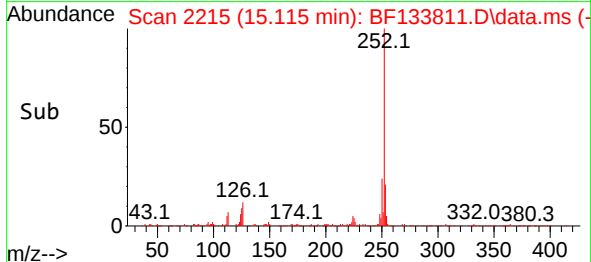
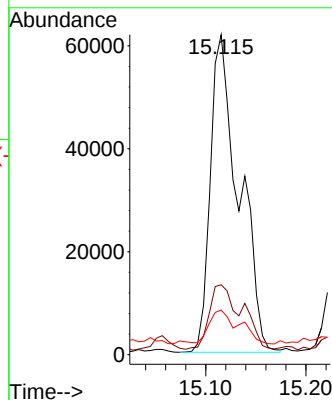
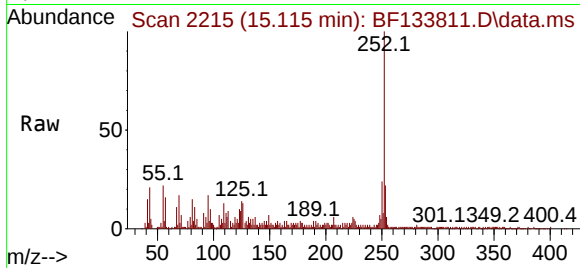
Tgt Ion:252 Resp: 122509

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

125 14.0 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 18.085 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.029 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

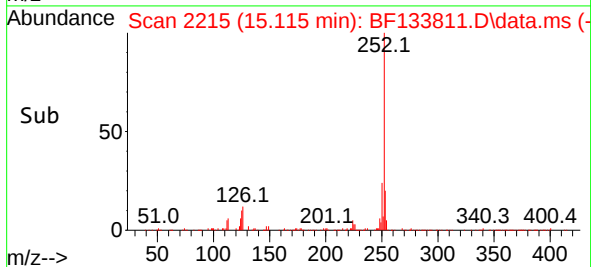
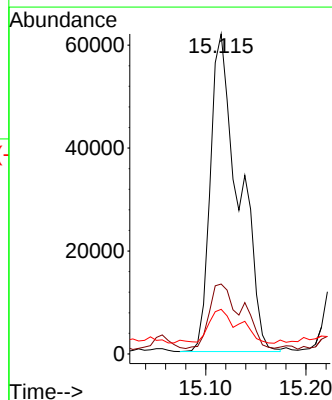
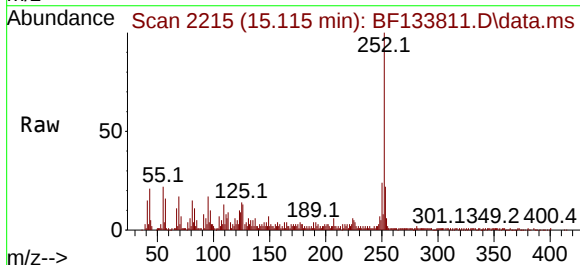
Tgt Ion:252 Resp: 122509

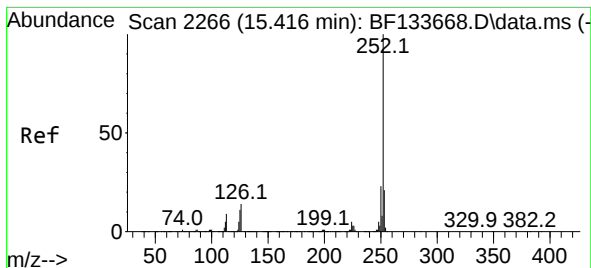
Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

125 14.0 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 9.482 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-16

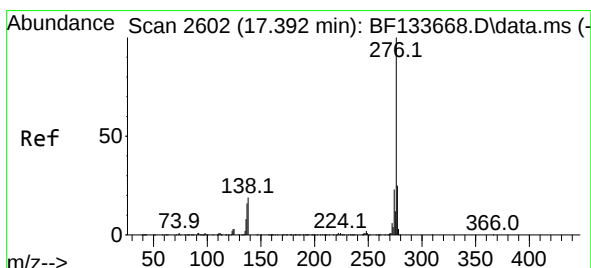
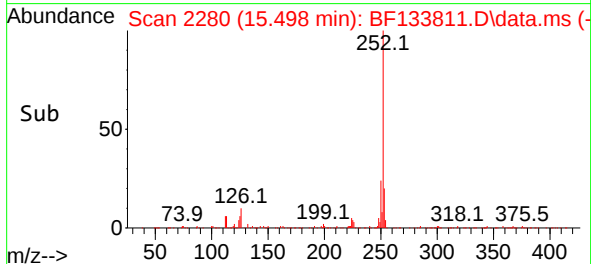
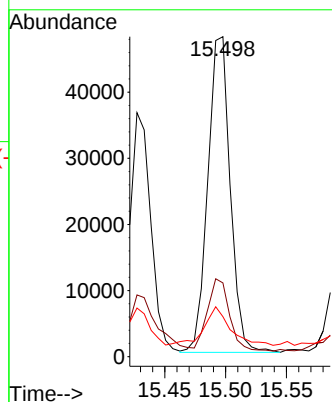
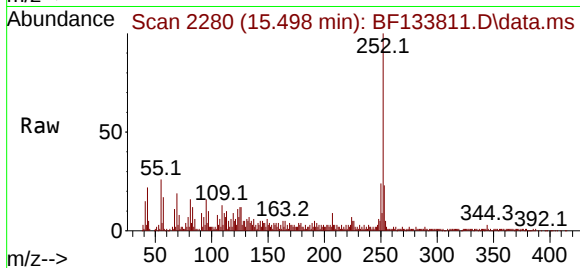
Tgt Ion:252 Resp: 61198

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 12.5 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 5.712 ng

RT: 17.580 min Scan# 2634

Delta R.T. -0.012 min

Lab File: BF133811.D

Acq: 16 Jun 2023 17:30

Tgt Ion:276 Resp: 36926

Ion Ratio Lower Upper

276 100

277 26.3 19.8 29.8

138 22.0 15.0 22.4

