

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133810.D
 Acq On : 16 Jun 2023 16:58
 Operator : CG\JU
 Sample : 03222-13 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB-06

Quant Time: Jun 16 17:36:23 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)

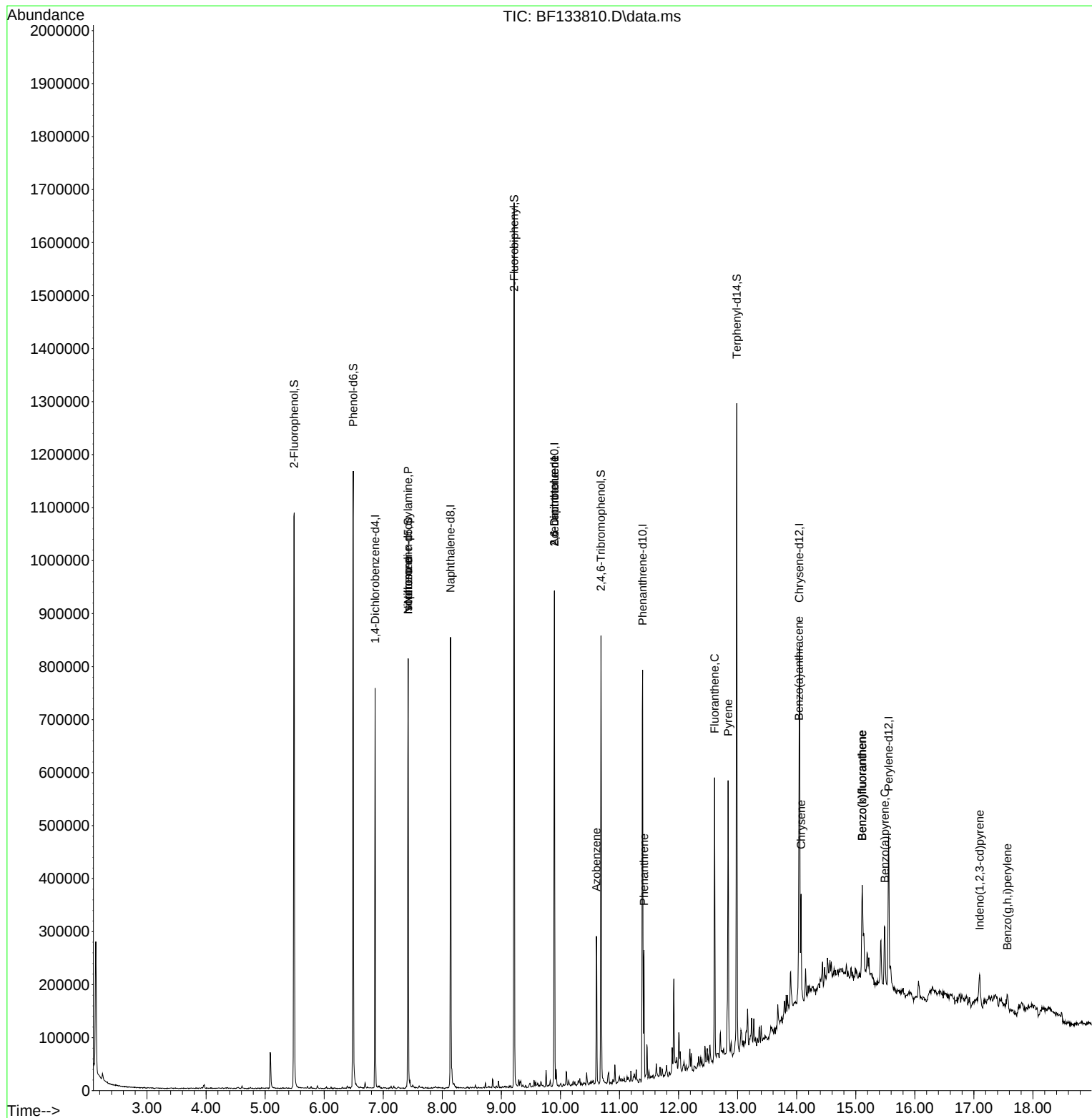
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	96192	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	349470	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	169131	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	292800	20.000	ng	0.00
76) Chrysene-d12	14.045	240	188236	20.000	ng	0.00
86) Perylene-d12	15.557	264	132277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	292958	53.020	ng	0.00
7) Phenol-d6	6.492	99	349316	48.569	ng	0.00
23) Nitrobenzene-d5	7.422	82	219416	34.197	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	90529	42.286	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	430072	36.147	ng	0.00
79) Terphenyl-d14	12.986	244	405732	33.352	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	30152	6.589	ng	# 80
25) Isophorone	7.422	82	219416	18.627	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	21127	8.108	ng	# 29
57) 2,4-Dinitrotoluene	9.898	165	21127	6.375	ng	# 20
63) Azobenzene	10.610	77	47658	3.918	ng	# 1
71) Phenanthrene	11.416	178	87260	5.874	ng	99
75) Fluoranthene	12.610	202	194530	12.331	ng	99
78) Pyrene	12.839	202	204551	11.665	ng	98
81) Benzo(a)anthracene	14.039	228	90895	6.981	ng	95
83) Chrysene	14.074	228	86897	7.056	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	35859	3.940	ng	98
88) Benzo(b)fluoranthene	15.110	252	124698	15.519	ng	# 96
89) Benzo(k)fluoranthene	15.110	252	124698	15.931	ng	96
90) Benzo(a)pyrene	15.492	252	57822	7.754	ng	98
92) Benzo(g,h,i)perylene	17.568	276	34253	4.586	ng	# 88

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

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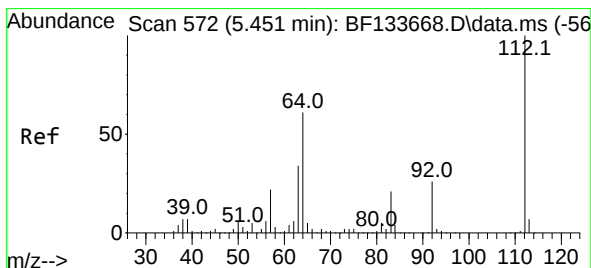
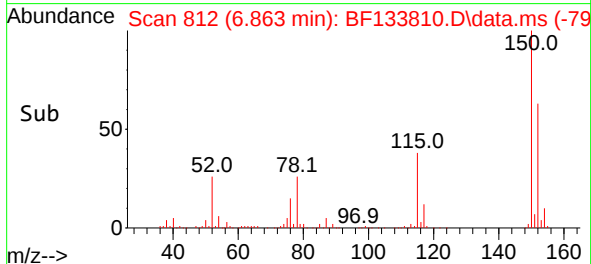
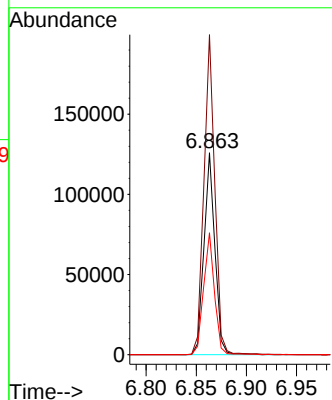
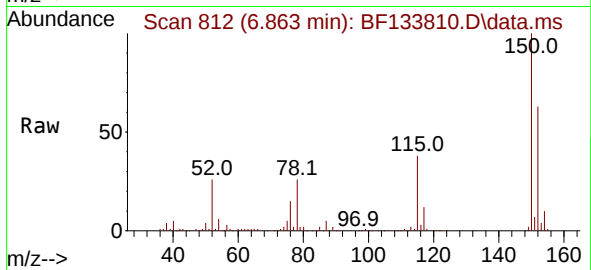




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

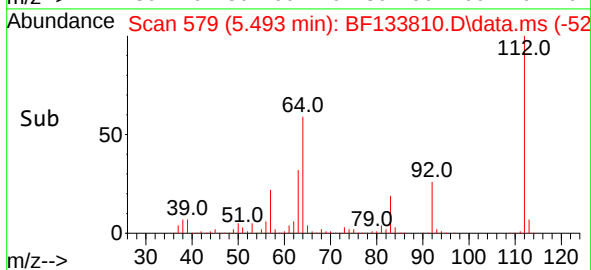
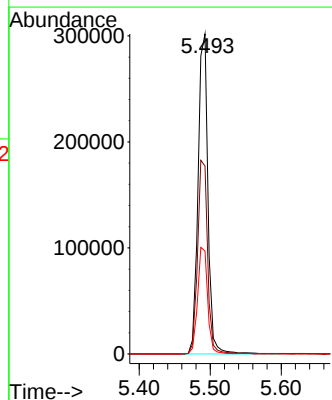
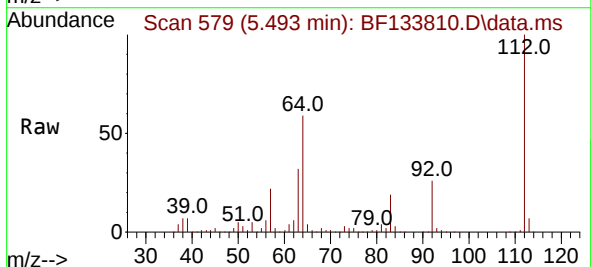
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

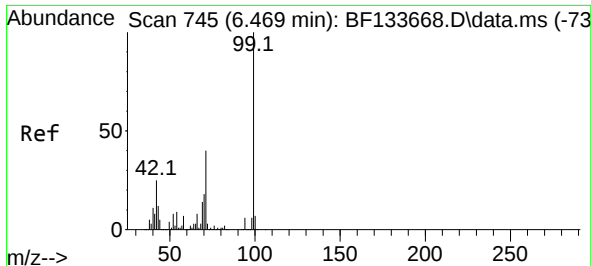
Tgt Ion:152 Resp: 96192
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 60.4 48.5 72.7



#5
2-Fluorophenol
Concen: 53.020 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:112 Resp: 292958
Ion Ratio Lower Upper
112 100
64 58.7 49.0 73.4
63 32.2 26.8 40.2

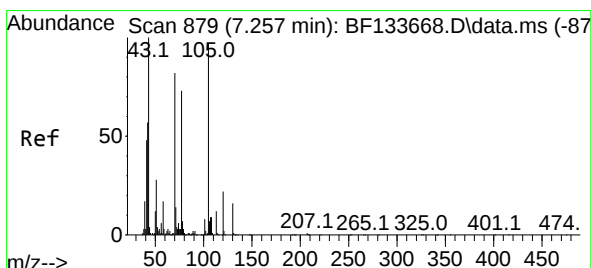
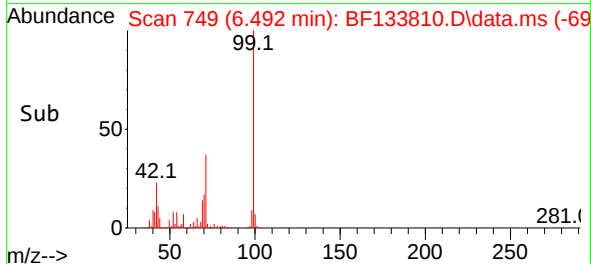
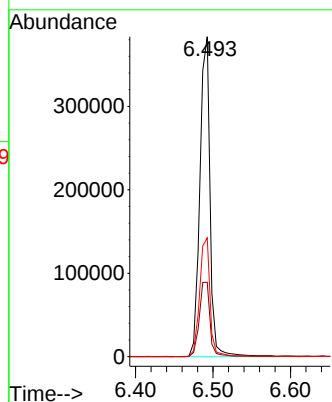
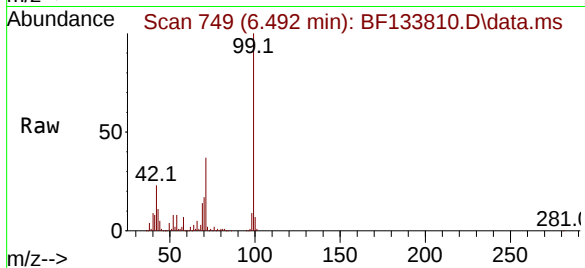




#7
Phenol-d6
Concen: 48.569 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

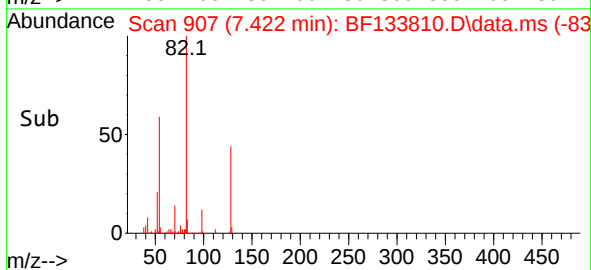
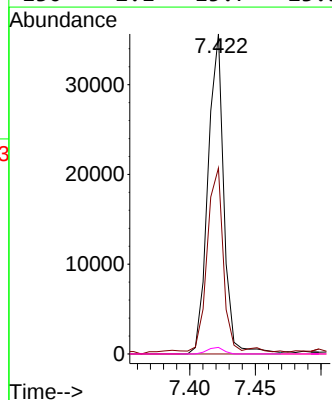
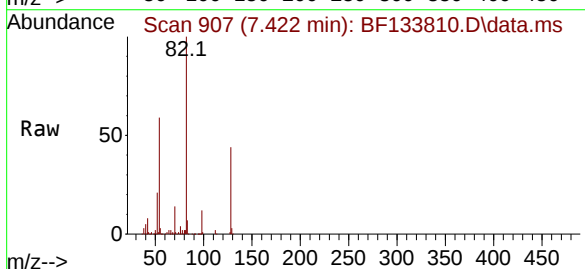
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion: 99 Resp: 349316
Ion Ratio Lower Upper
99 100
42 23.3 19.9 29.9
71 37.2 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.589 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion: 70 Resp: 30152
Ion Ratio Lower Upper
70 100
42 58.1 55.8 83.8
101 0.0 8.1 12.1#
130 2.1 15.7 23.5#

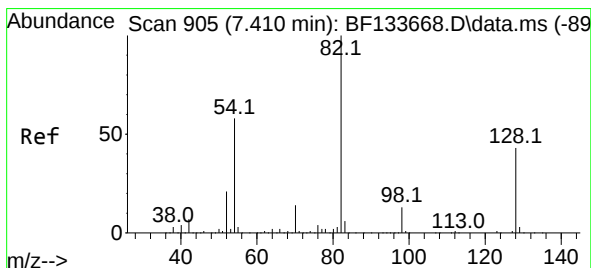
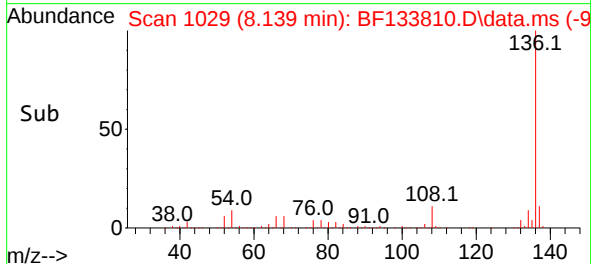
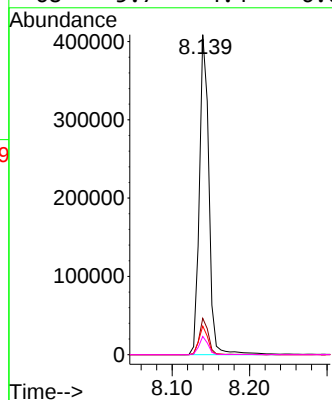
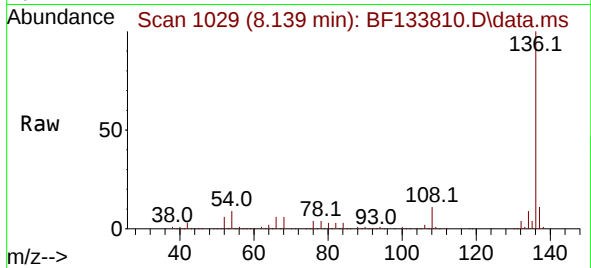




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

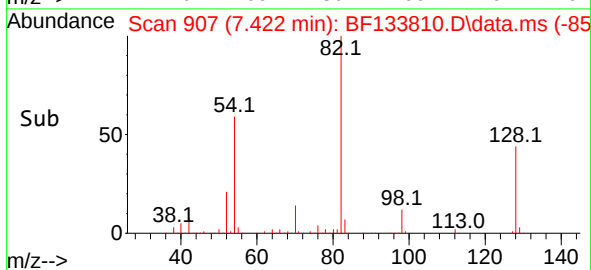
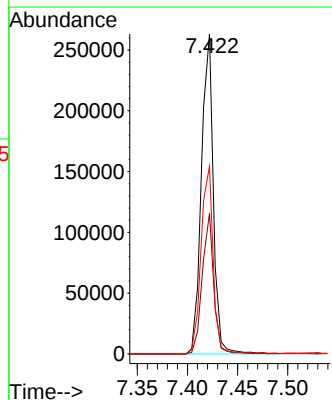
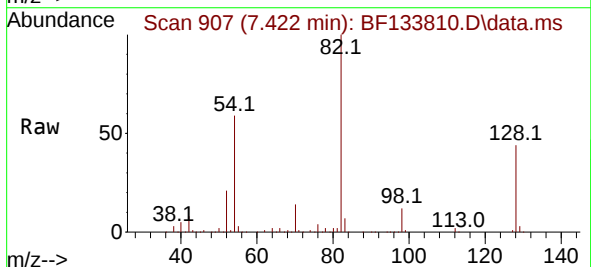
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion:136 Resp: 349470
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.0 7.4 11.0
68 5.7 4.4 6.6



#23
Nitrobenzene-d5
Concen: 34.197 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion: 82 Resp: 219416
Ion Ratio Lower Upper
82 100
128 43.9 34.2 51.2
54 58.7 46.5 69.7

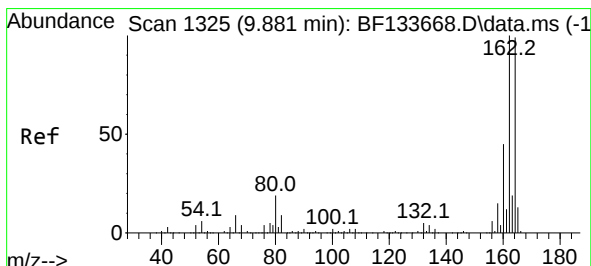
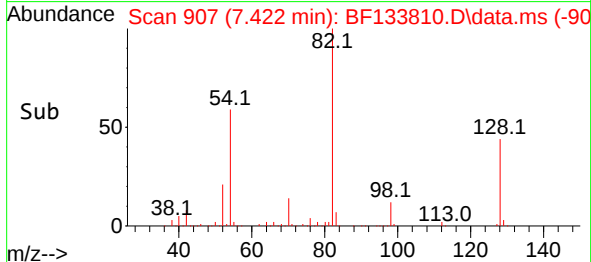
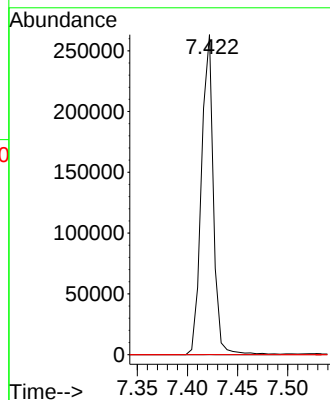
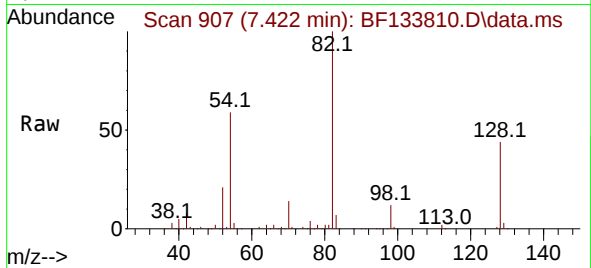




#25
Isophorone
Concen: 18.627 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

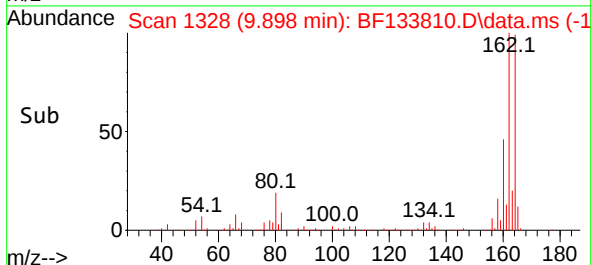
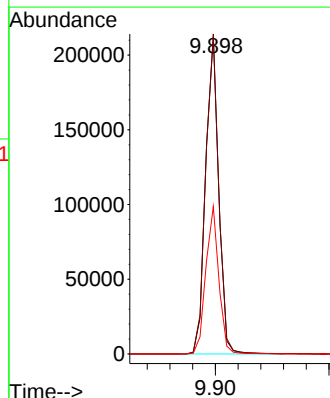
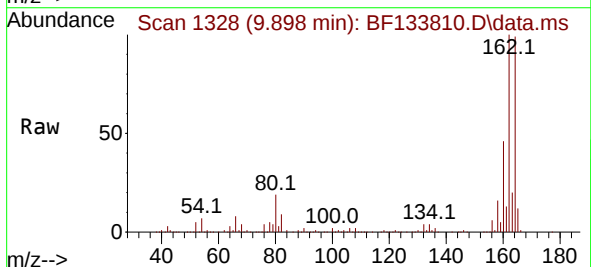
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

Tgt Ion: 82 Resp: 219416
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: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:164 Resp: 169131
Ion Ratio Lower Upper
164 100
162 100.8 80.8 121.2
160 46.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 42.286 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133810.D

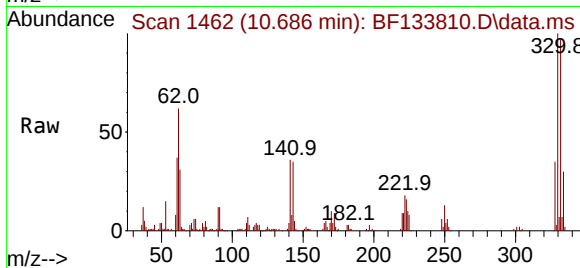
Acq: 16 Jun 2023 16:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06



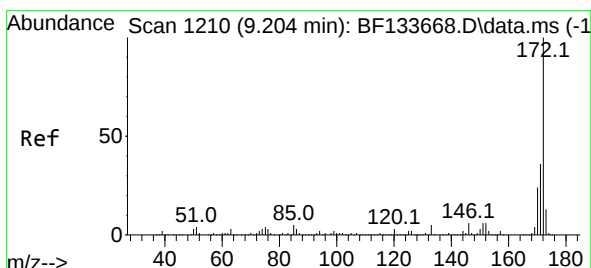
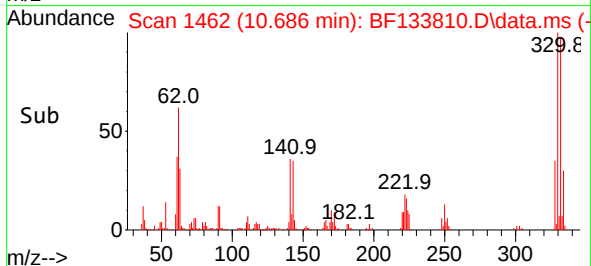
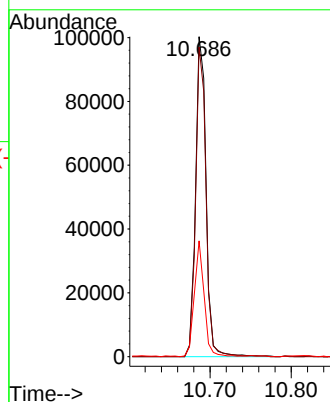
Tgt Ion:330 Resp: 90529

Ion Ratio Lower Upper

330 100

332 95.5 77.2 115.8

141 34.1 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 36.147 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

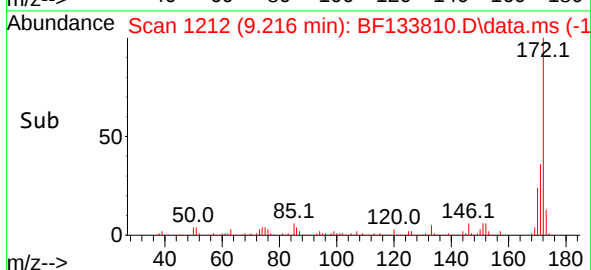
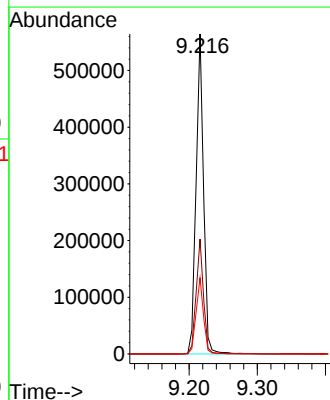
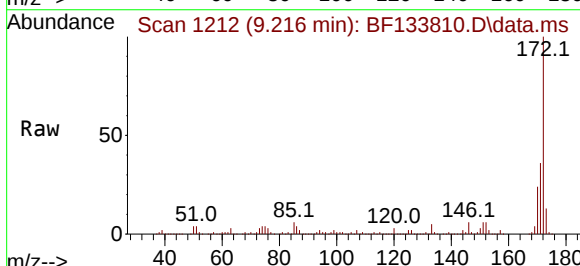
Tgt Ion:172 Resp: 430072

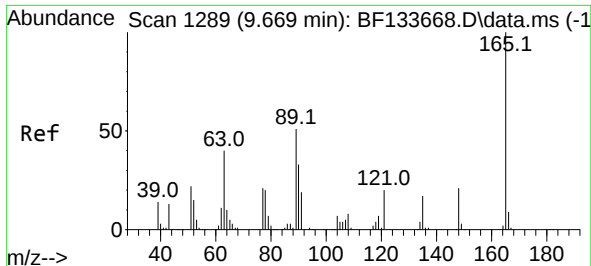
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.8 19.1 28.7

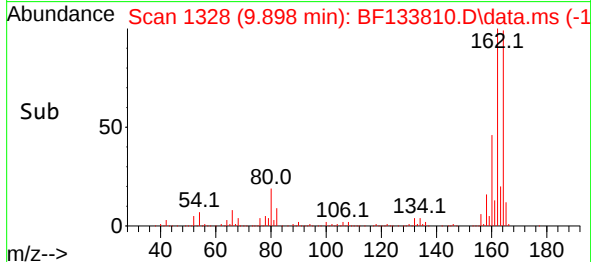
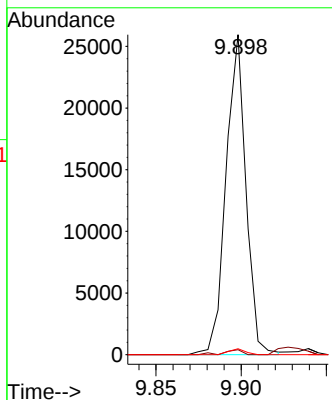
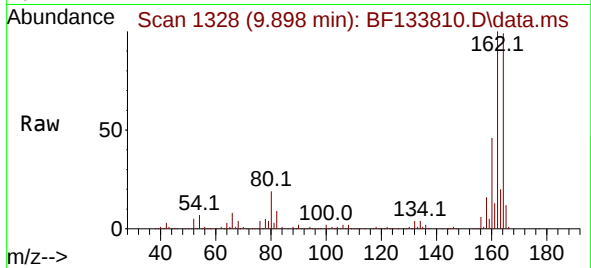




#51
2,6-Dinitrotoluene
Concen: 8.108 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

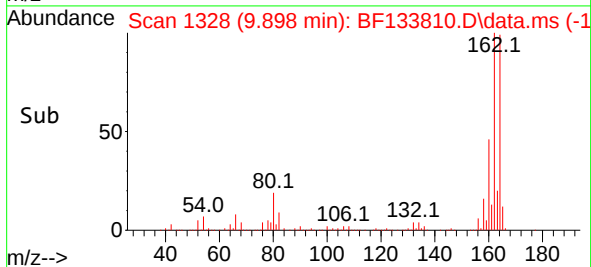
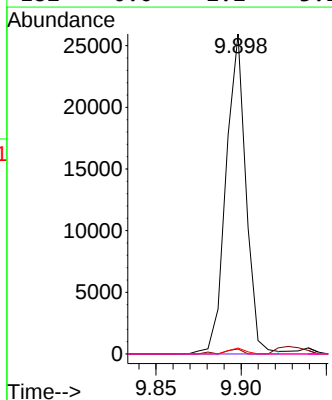
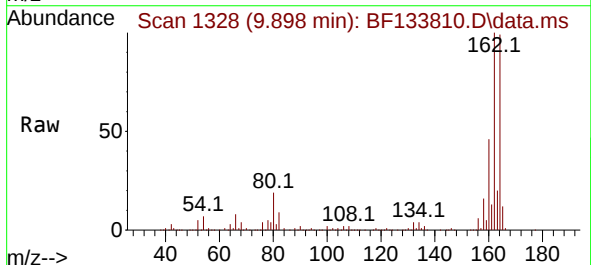
Instrument :
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COMPOSITE-SB-06

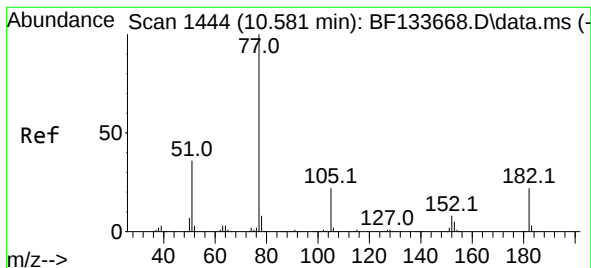
Tgt Ion:165 Resp: 21127
Ion Ratio Lower Upper
165 100
63 1.6 42.1 63.1#
89 1.8 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.375 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:165 Resp: 21127
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.8 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.918 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06

Tgt Ion: 77 Resp: 47658

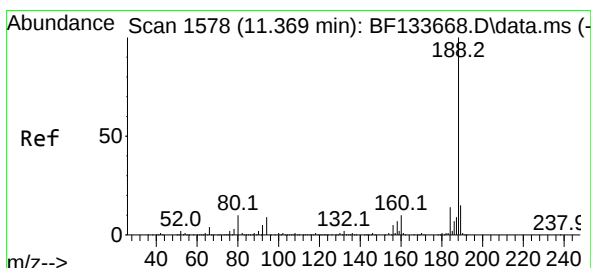
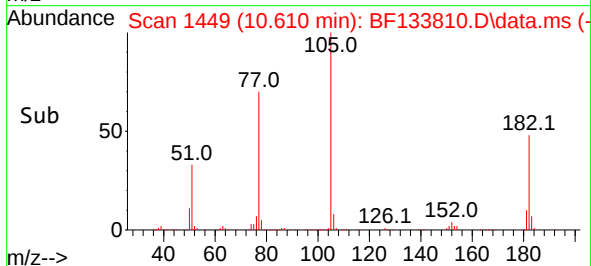
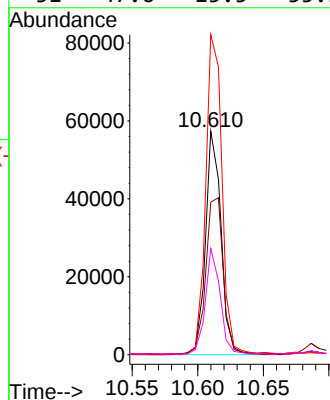
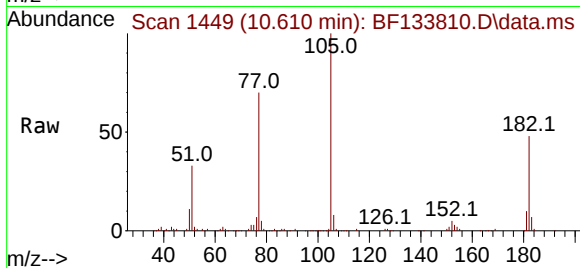
Ion Ratio Lower Upper

77 100

182 68.3 1.6 41.6#

105 143.3 1.6 41.6#

51 47.6 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: BF133810.D

Acq: 16 Jun 2023 16:58

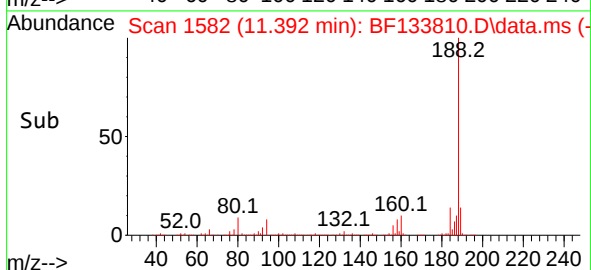
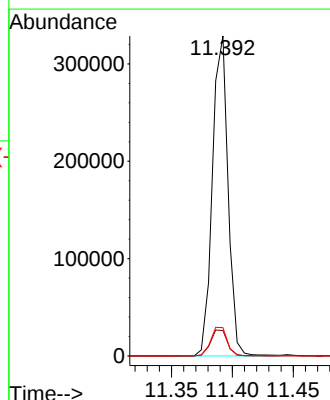
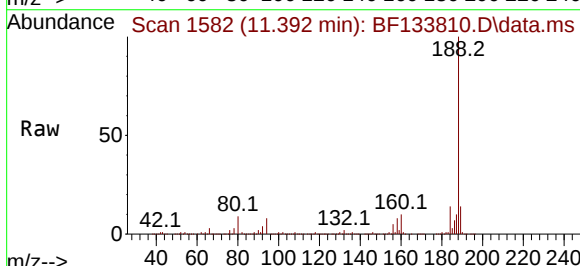
Tgt Ion: 188 Resp: 292800

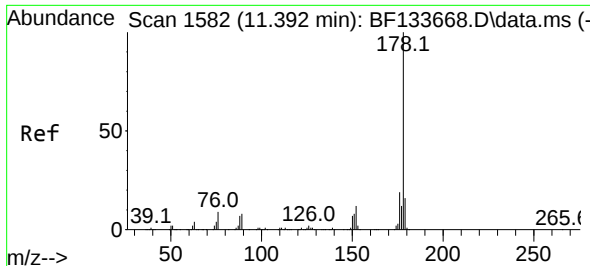
Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

80 8.8 7.8 11.6

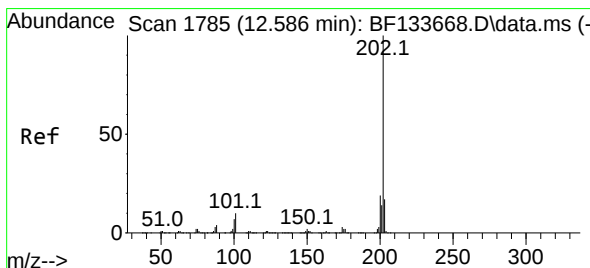
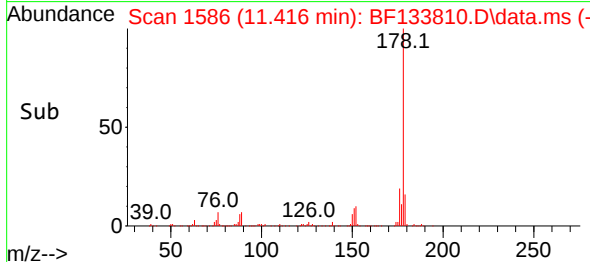
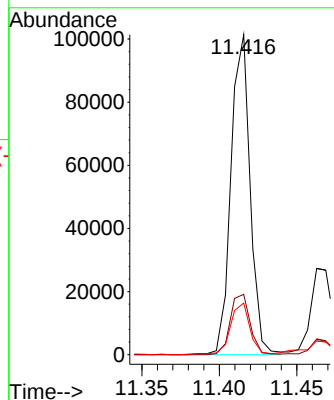
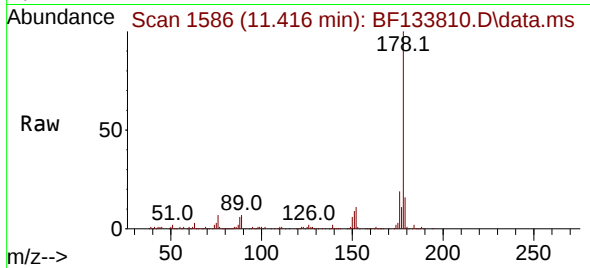




#71
Phenanthrene
Concen: 5.874 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

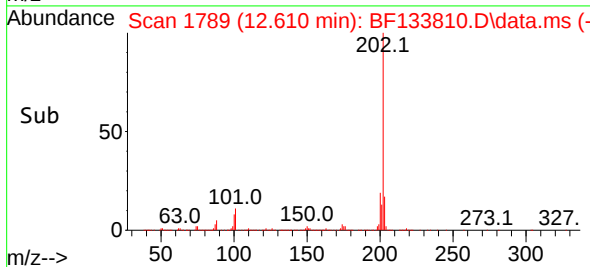
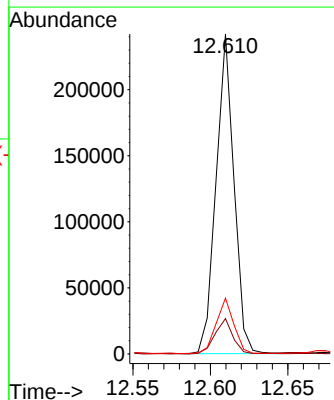
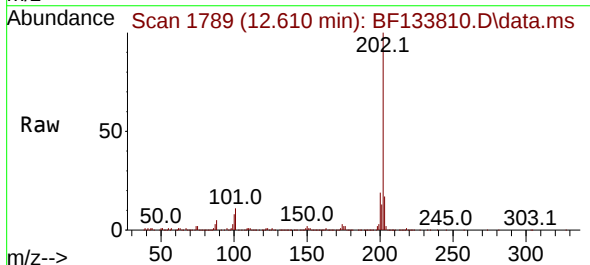
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

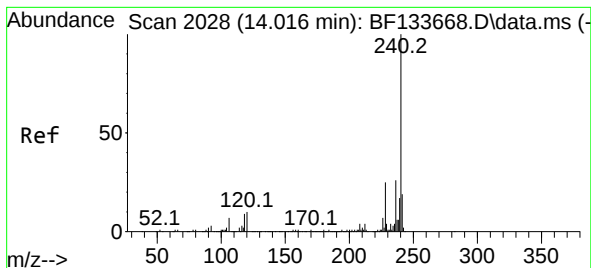
Tgt Ion:178 Resp: 87260
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.2 12.4 18.6



#75
Fluoranthene
Concen: 12.331 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:202 Resp: 194530
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.6
203 17.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06

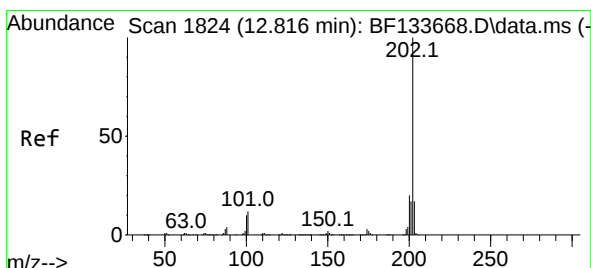
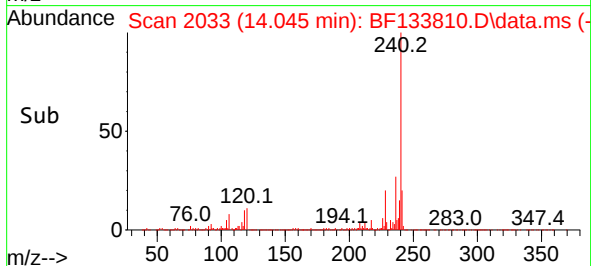
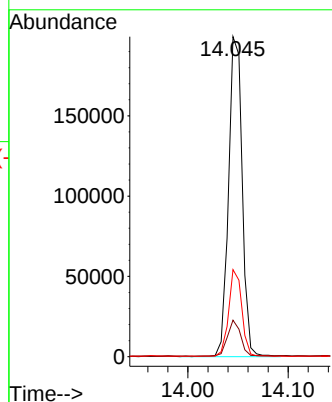
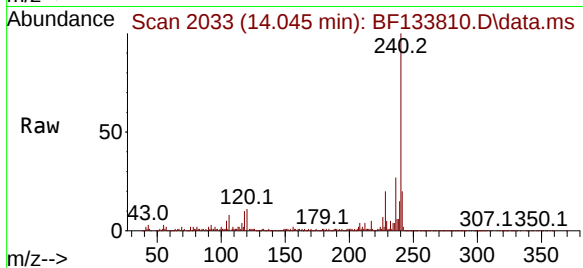
Tgt Ion:240 Resp: 188236

Ion Ratio Lower Upper

240 100

120 11.4 8.1 12.1

236 27.2 20.5 30.7



#78

Pyrene

Concen: 11.665 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

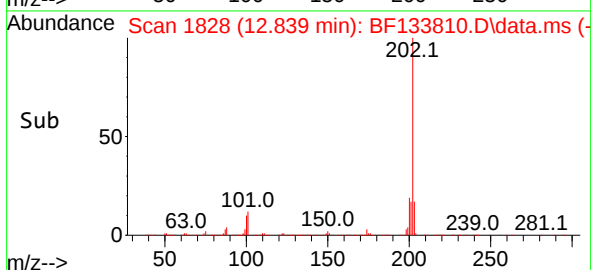
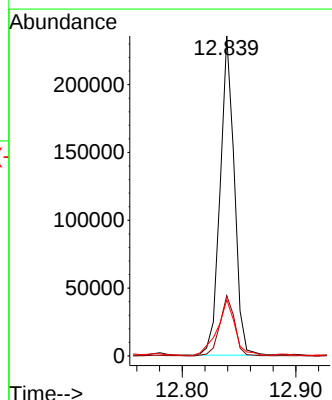
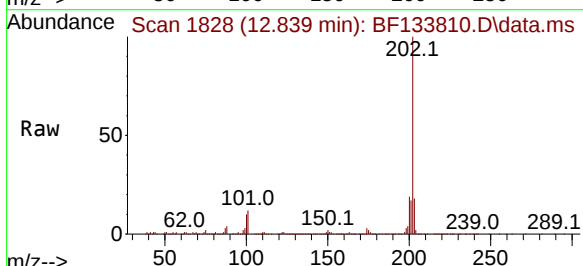
Tgt Ion:202 Resp: 204551

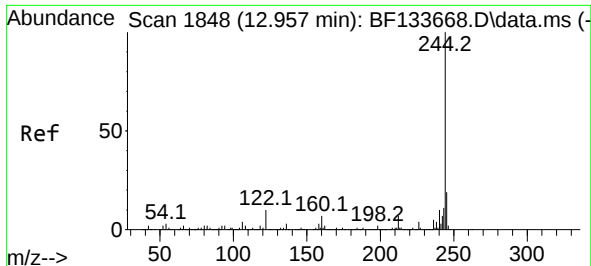
Ion Ratio Lower Upper

202 100

200 18.9 16.2 24.2

203 17.6 13.9 20.9

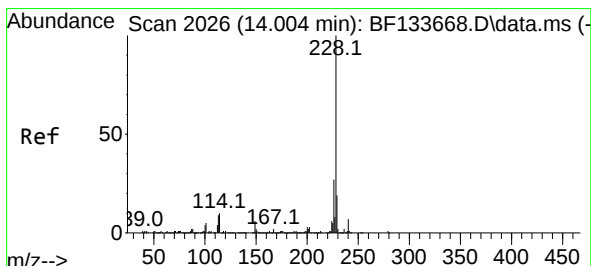
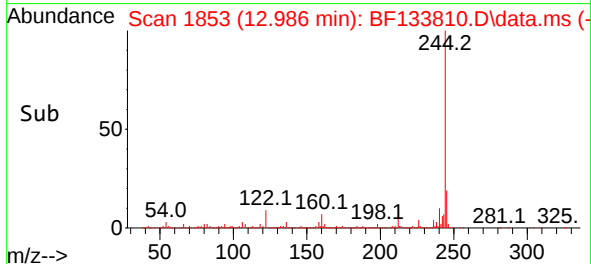
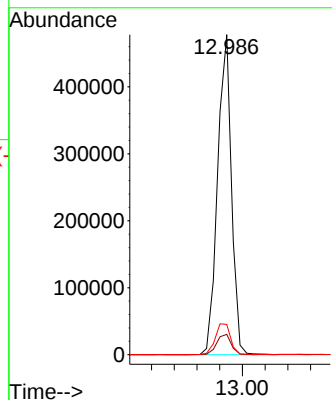
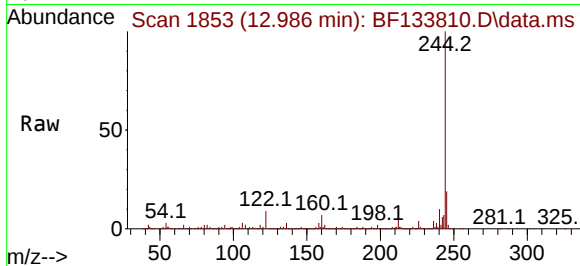




#79
 Terphenyl-d14
 Concen: 33.352 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133810.D
 Acq: 16 Jun 2023 16:58

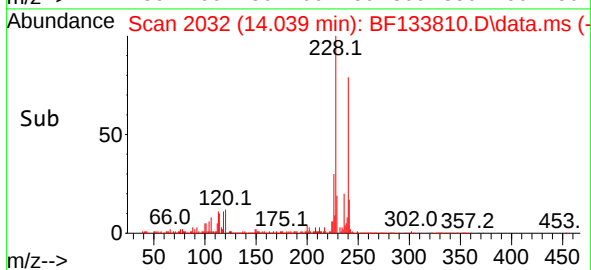
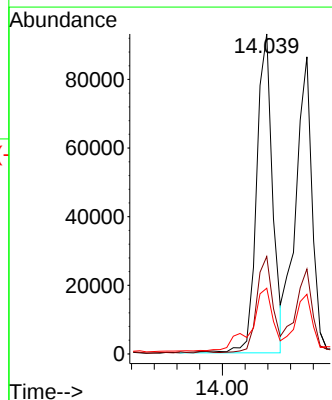
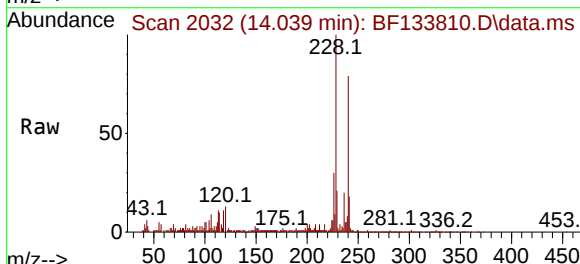
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-SB-06

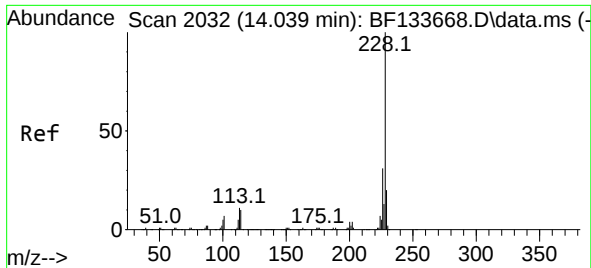
Tgt Ion:244 Resp: 405732
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.2
 122 9.5 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 6.981 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF133810.D
 Acq: 16 Jun 2023 16:58

Tgt Ion:228 Resp: 90895
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.7 32.5
 229 20.6 15.4 23.2

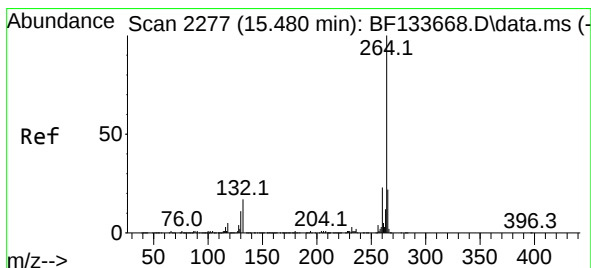
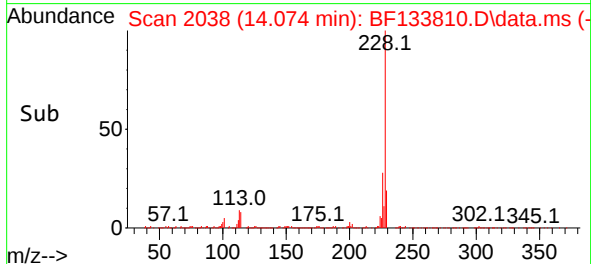
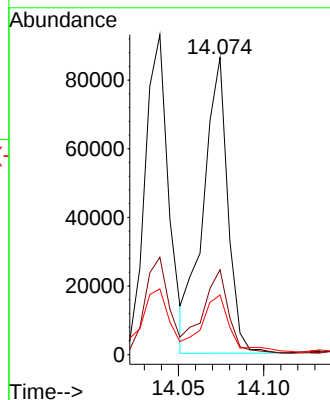
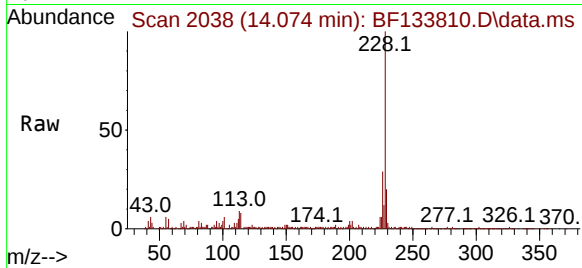




#83
Chrysene
Concen: 7.056 ng
RT: 14.074 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

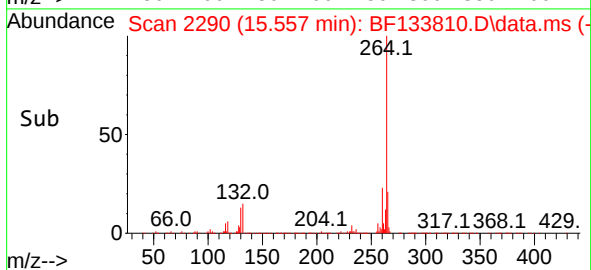
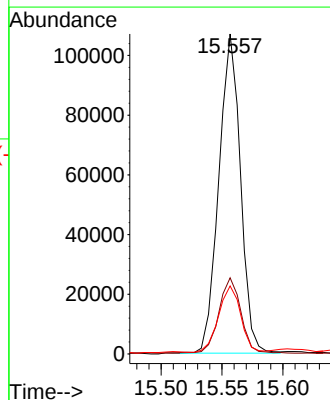
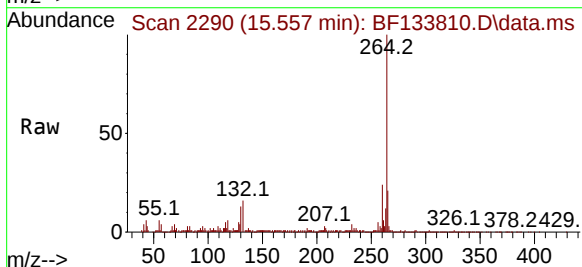
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

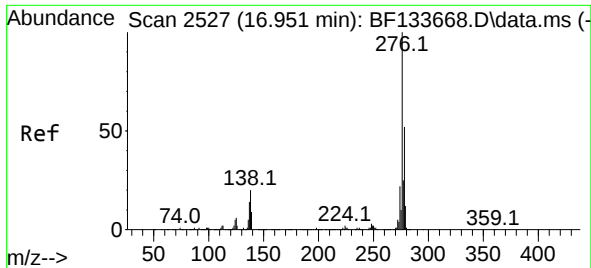
Tgt Ion:228	Resp:	86897
Ion Ratio	Lower	Upper
228	100	
226	28.6	25.0 37.6
229	20.1	15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:264	Resp:	132277
Ion Ratio	Lower	Upper
264	100	
260	23.8	18.2 27.2
265	21.2	17.8 26.6

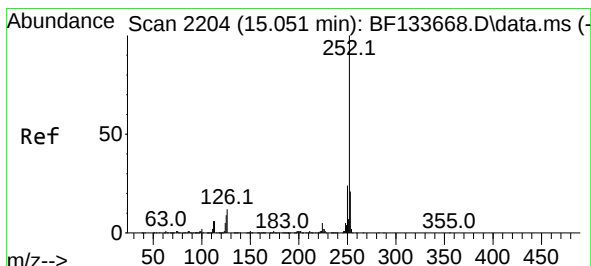
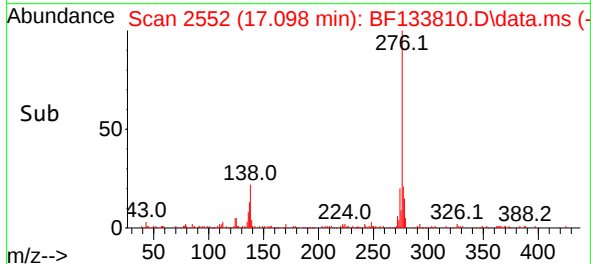
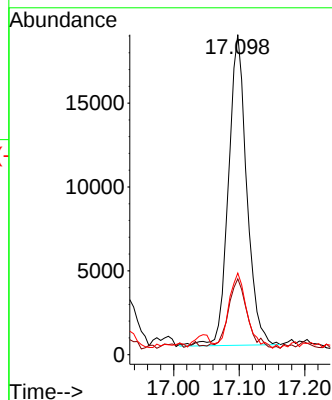
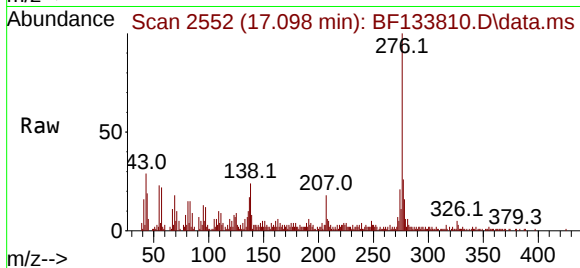




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.940 ng
RT: 17.098 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

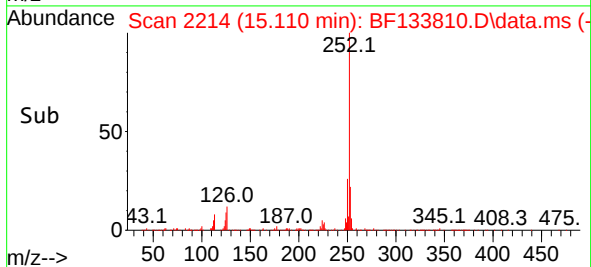
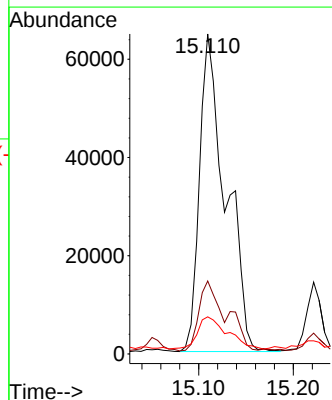
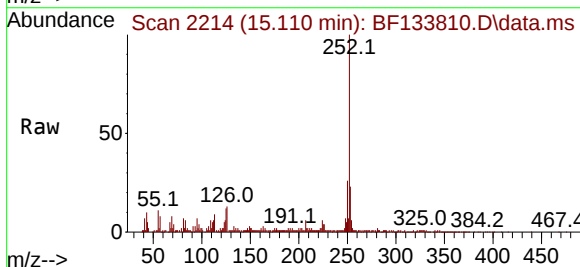
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06

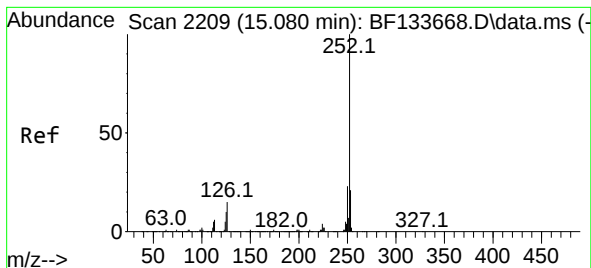
Tgt Ion:276 Resp: 35859
Ion Ratio Lower Upper
276 100
138 22.9 17.9 26.9
277 23.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 15.519 ng
RT: 15.110 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Tgt Ion:252 Resp: 124698
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 11.6 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 15.931 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-SB-06

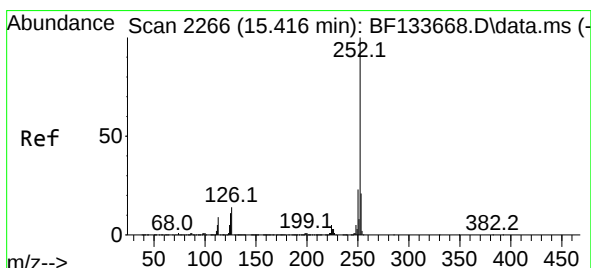
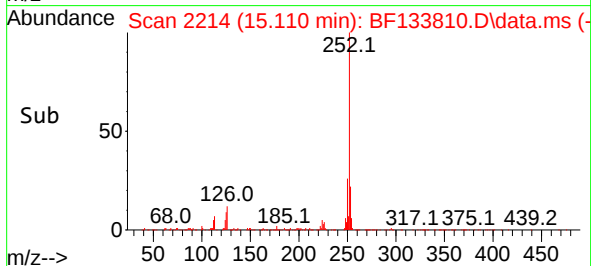
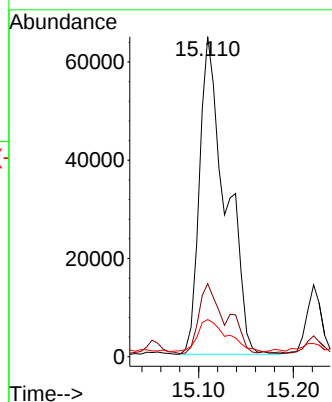
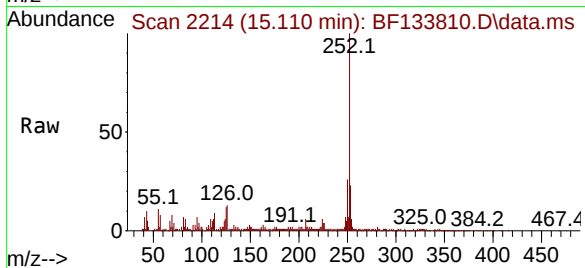
Tgt Ion:252 Resp: 124698

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 11.6 7.8 11.6



#90

Benzo(a)pyrene

Concen: 7.754 ng

RT: 15.492 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF133810.D

Acq: 16 Jun 2023 16:58

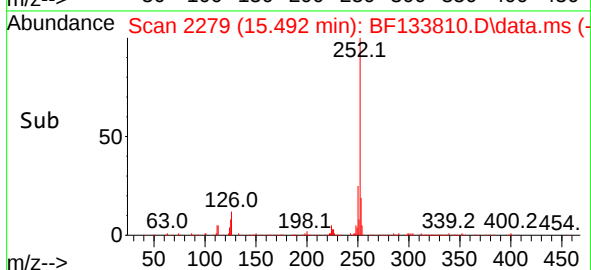
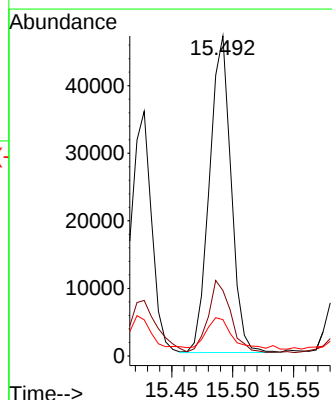
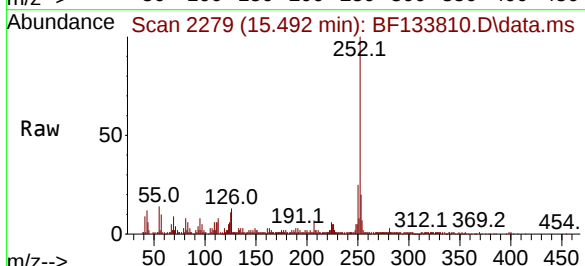
Tgt Ion:252 Resp: 57822

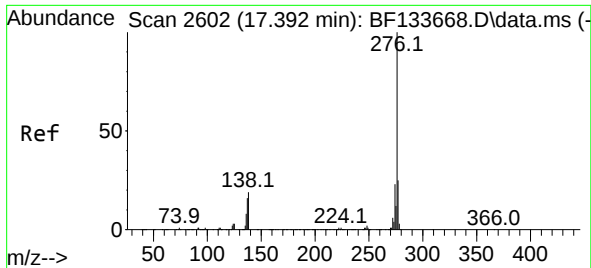
Ion Ratio Lower Upper

252 100

253 20.4 17.1 25.7

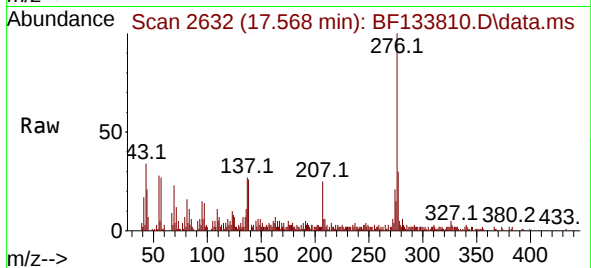
125 11.4 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 4.586 ng
RT: 17.568 min Scan# 20
Delta R.T. -0.023 min
Lab File: BF133810.D
Acq: 16 Jun 2023 16:58

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-SB-06



Tgt Ion:276 Resp: 34253
Ion Ratio Lower Upper
276 100
277 29.6 19.8 29.8
138 25.9 15.0 22.4#

