

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133898.D
 Acq On : 22 Jun 2023 13:23
 Operator : CG\JU
 Sample : 03289-15DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0DL

Quant Time: Jun 23 02:28:18 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)

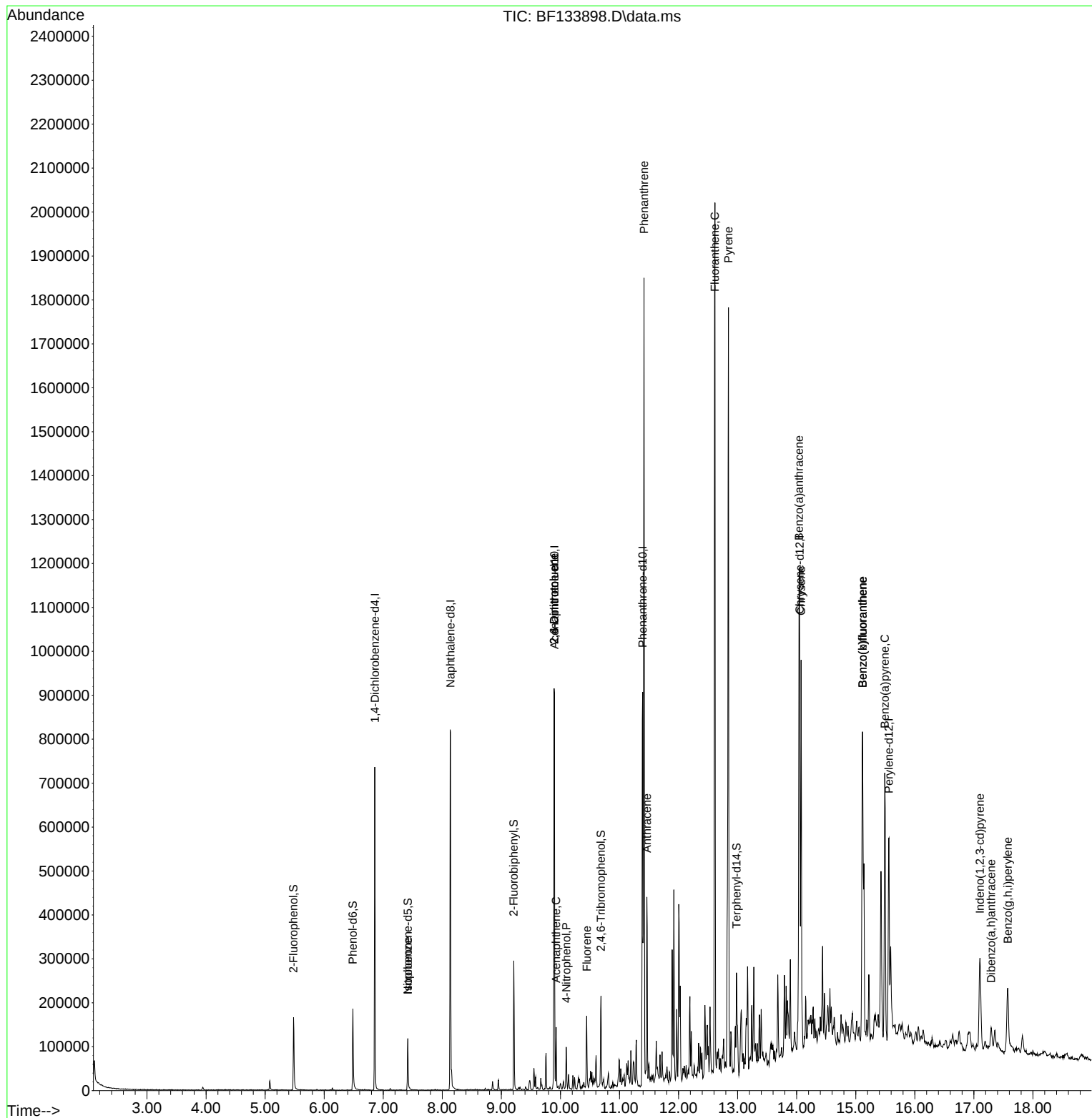
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	99491	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	379823	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	188768	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	347717	20.000	ng	0.00
76) Chrysene-d12	14.051	240	198616	20.000	ng	0.00
86) Perylene-d12	15.562	264	226092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	46938	8.213	ng	-0.01
7) Phenol-d6	6.486	99	58735	7.896	ng	-0.01
23) Nitrobenzene-d5	7.416	82	37922	5.438	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	17209	7.202	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	81381	6.128	ng	-0.01
79) Terphenyl-d14	12.980	244	69190	5.390	ng	-0.01
Target Compounds					Qvalue	
25) Isophorone	7.416	82	37922	2.962	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	24541	8.438	ng	# 28
52) Acenaphthene	9.927	154	23854	2.144	ng	95
56) 4-Nitrophenol	10.098	139	10444	4.372	ng	# 12
57) 2,4-Dinitrotoluene	9.892	165	24541	6.635	ng	# 19
58) Fluorene	10.445	166	42087	3.242	ng	# 99
71) Phenanthrene	11.415	178	626306	35.502	ng	100
72) Anthracene	11.463	178	156227	8.493	ng	99
75) Fluoranthene	12.615	202	827820	44.188	ng	100
78) Pyrene	12.845	202	732976	39.616	ng	100
81) Benzo(a)anthracene	14.039	228	383182	27.891	ng	98
83) Chrysene	14.074	228	315463	24.278	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	150413	9.670	ng	97
88) Benzo(b)fluoranthene	15.115	252	547521	39.866	ng	97
89) Benzo(k)fluoranthene	15.115	252	547521	40.925	ng	98
90) Benzo(a)pyrene	15.492	252	292685	22.962	ng	98
91) Dibenzo(a,h)anthracene	17.292	278	35008	2.719	ng	96
92) Benzo(g,h,i)perylene	17.574	276	126270	9.890	ng	97

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

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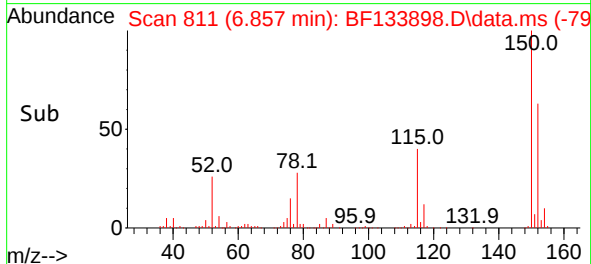
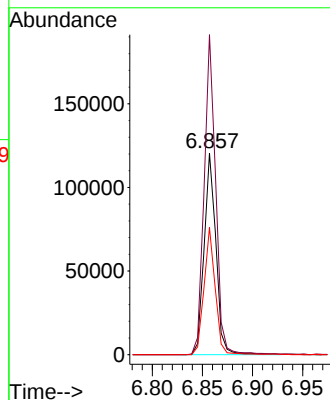
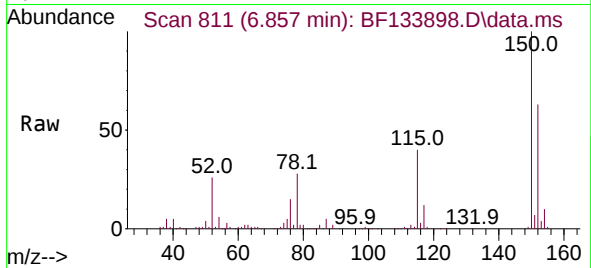




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

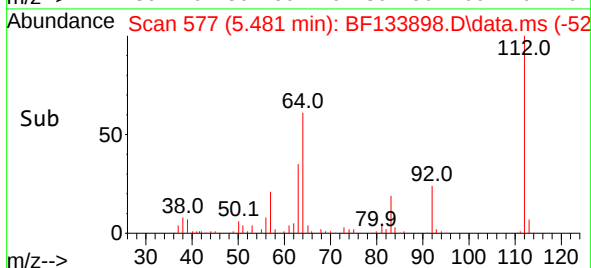
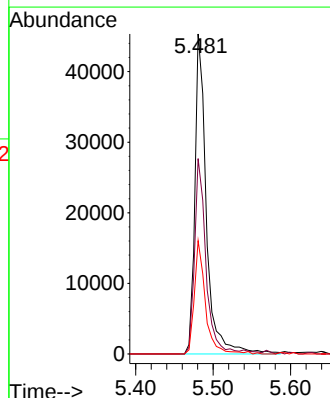
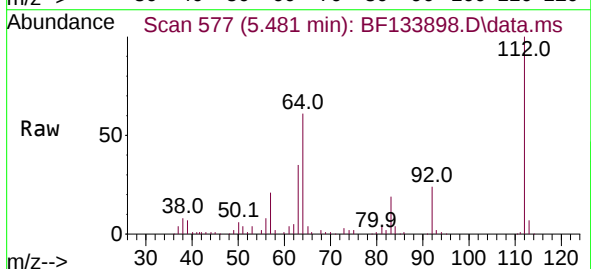
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

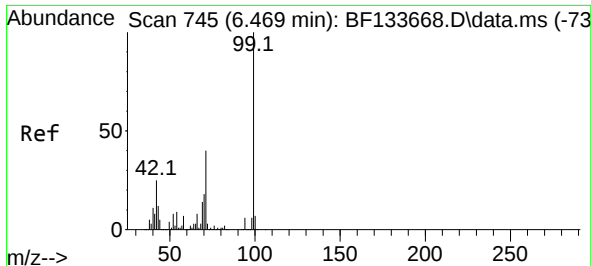
Tgt Ion:152 Resp: 99491
Ion Ratio Lower Upper
152 100
150 158.8 124.3 186.5
115 63.1 48.5 72.7



#5
2-Fluorophenol
Concen: 8.213 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.012 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:112 Resp: 46938
Ion Ratio Lower Upper
112 100
64 61.1 49.0 73.4
63 35.4 26.8 40.2

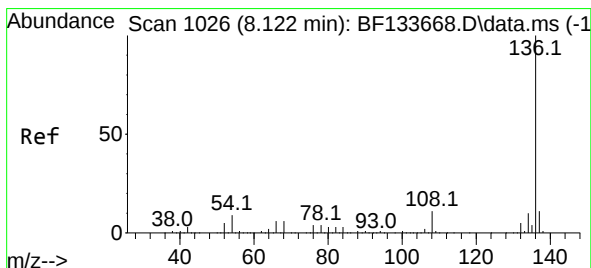
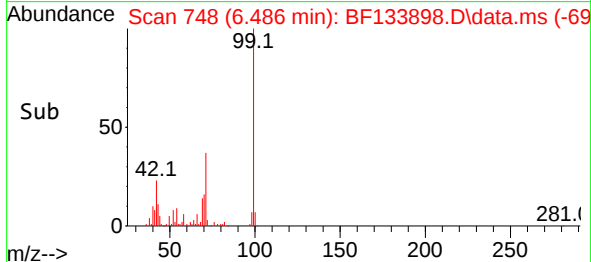
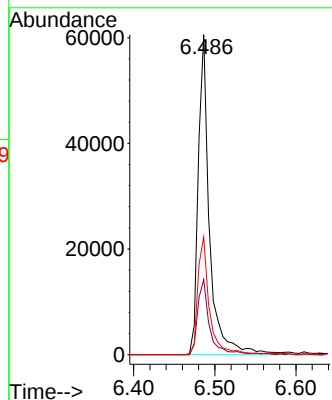
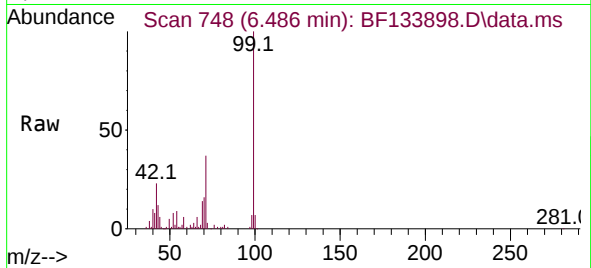




#7
Phenol-d6
Concen: 7.896 ng
RT: 6.486 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

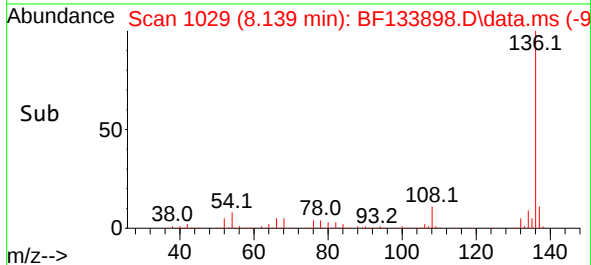
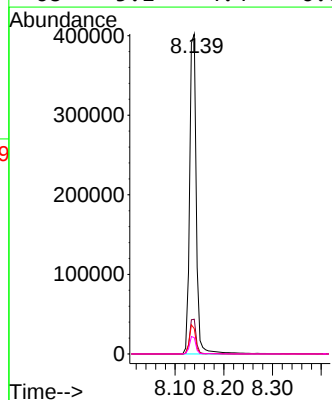
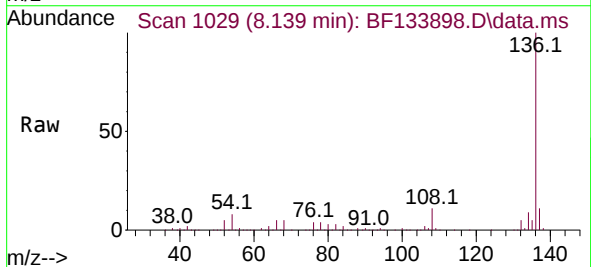
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

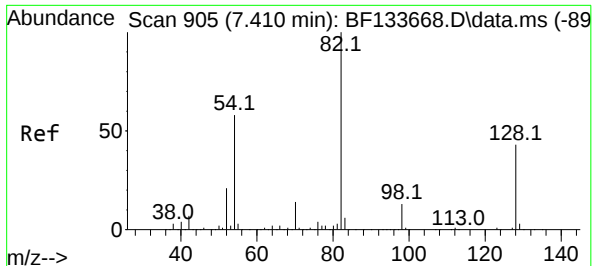
Tgt Ion: 99 Resp: 58735
Ion Ratio Lower Upper
99 100
42 23.5 19.9 29.9
71 36.8 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion: 136 Resp: 379823
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.9 7.4 11.0
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 5.438 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL

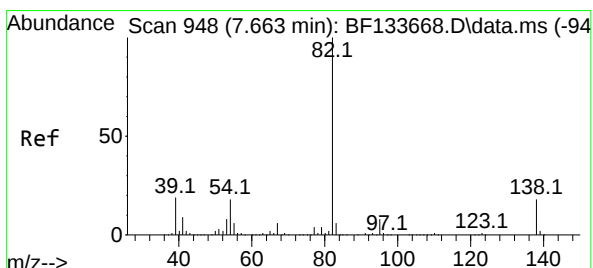
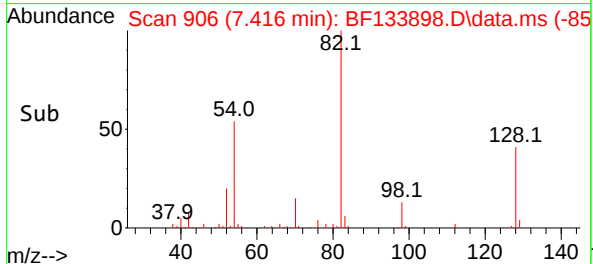
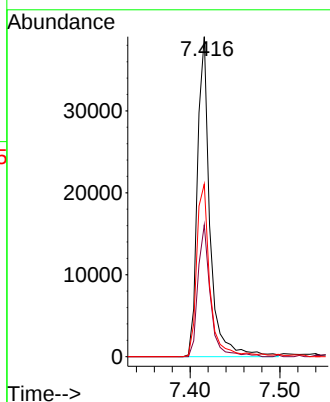
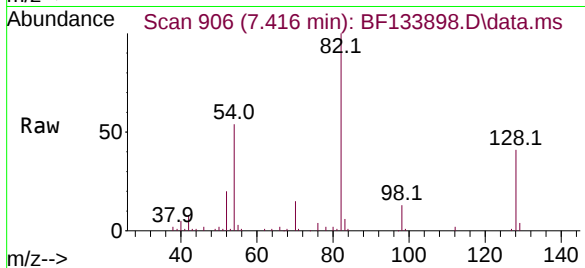
Tgt Ion: 82 Resp: 37922

Ion Ratio Lower Upper

82 100

128 41.2 34.2 51.2

54 54.0 46.5 69.7



#25

Isophorone

Concen: 2.962 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

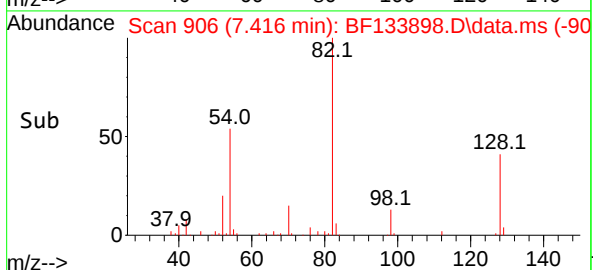
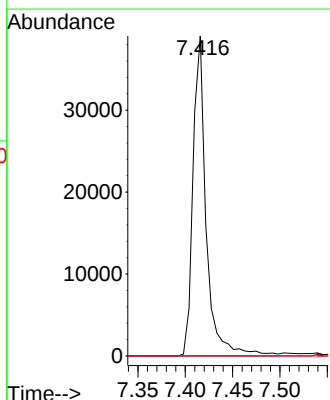
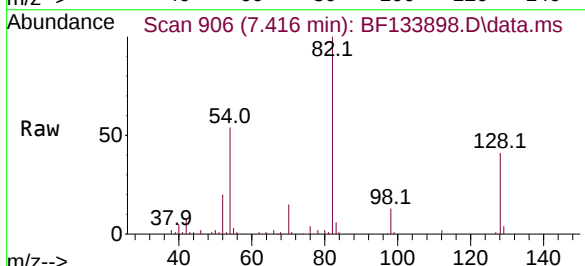
Tgt Ion: 82 Resp: 37922

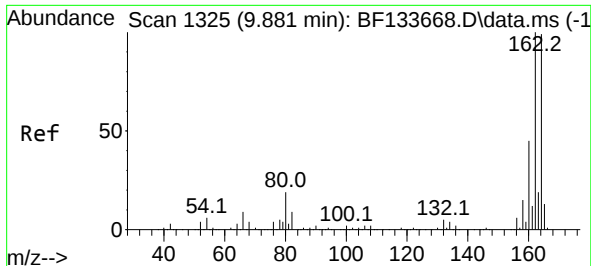
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

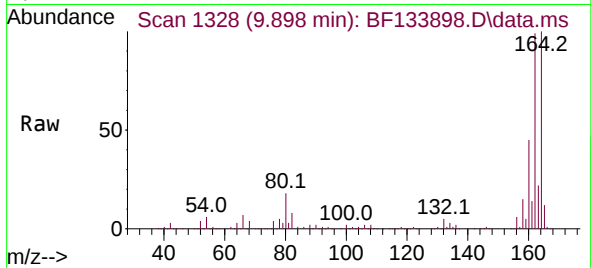
138 0.0 14.2 21.2#



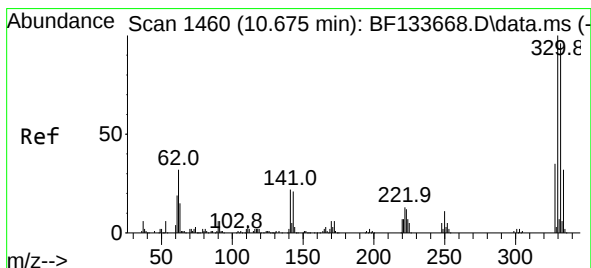
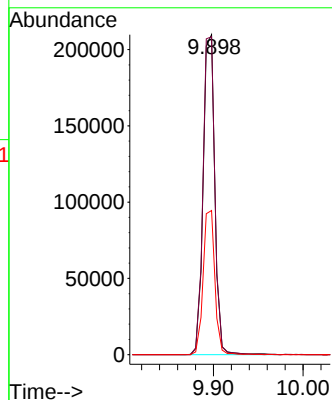
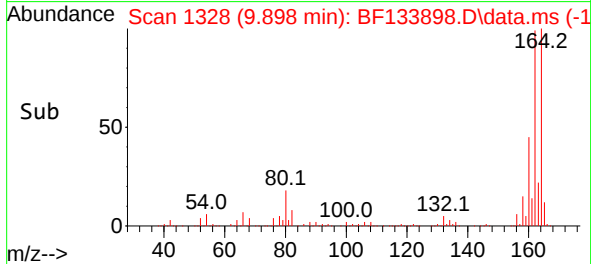


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

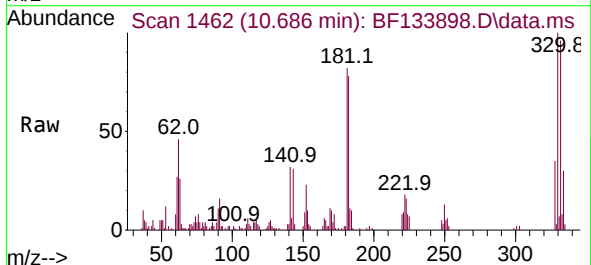
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL



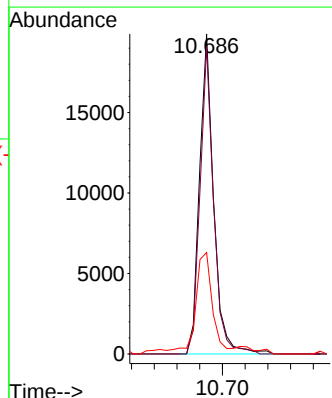
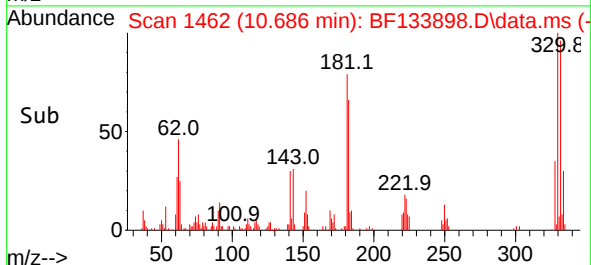
Tgt Ion:164 Resp: 188768
Ion Ratio Lower Upper
164 100
162 99.4 80.8 121.2
160 45.1 36.7 55.1

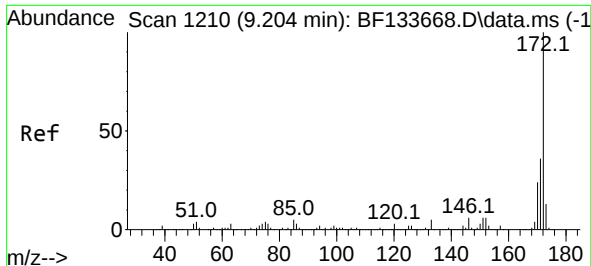


#42
2,4,6-Tribromophenol
Concen: 7.202 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23



Tgt Ion:330 Resp: 17209
Ion Ratio Lower Upper
330 100
332 92.6 77.2 115.8
141 39.9 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 6.128 ng

RT: 9.210 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL

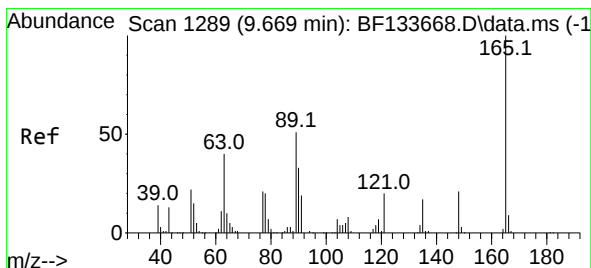
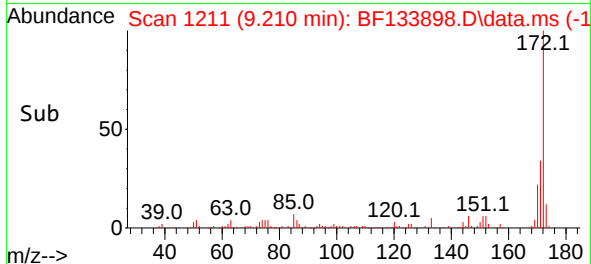
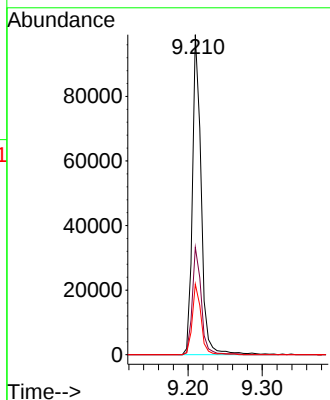
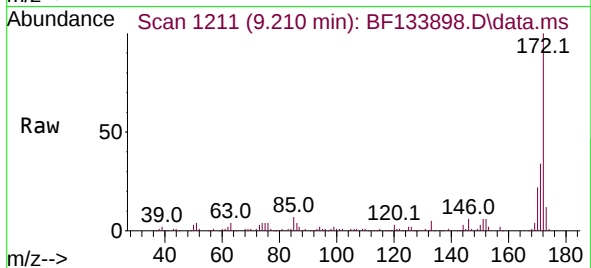
Tgt Ion:172 Resp: 81381

Ion Ratio Lower Upper

172 100

171 33.5 28.6 43.0

170 22.1 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.438 ng

RT: 9.892 min Scan# 1327

Delta R.T. 0.206 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

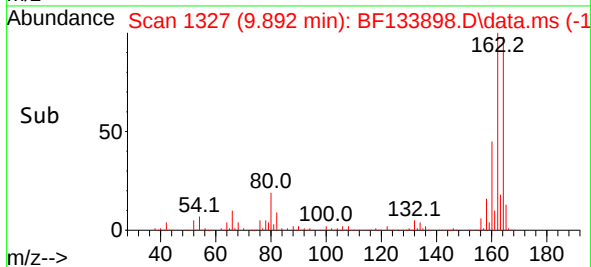
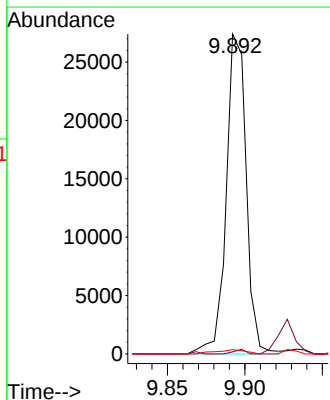
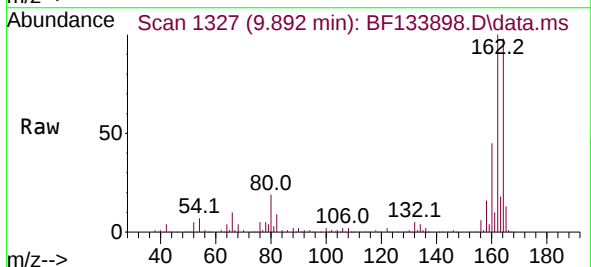
Tgt Ion:165 Resp: 24541

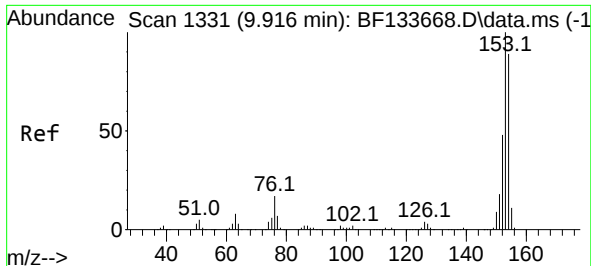
Ion Ratio Lower Upper

165 100

63 0.6 42.1 63.1#

89 1.4 40.9 61.3#

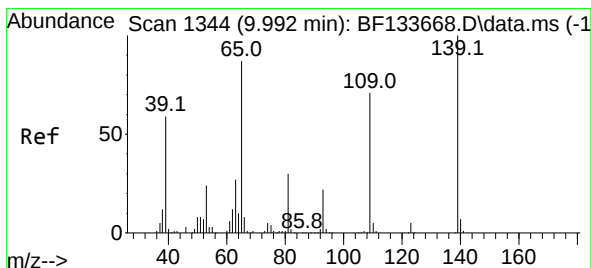
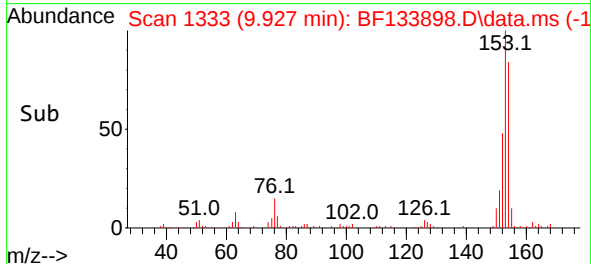
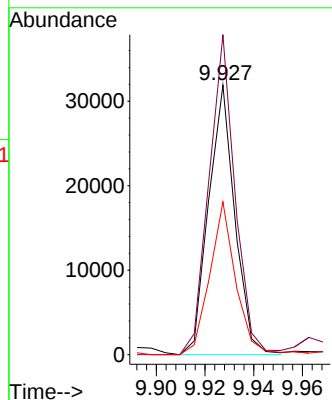
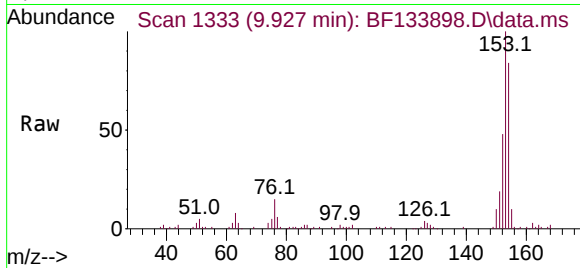




#52
Acenaphthene
Concen: 2.144 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

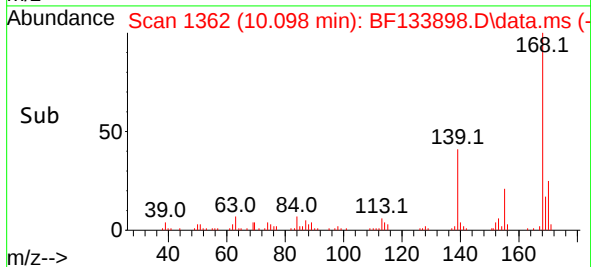
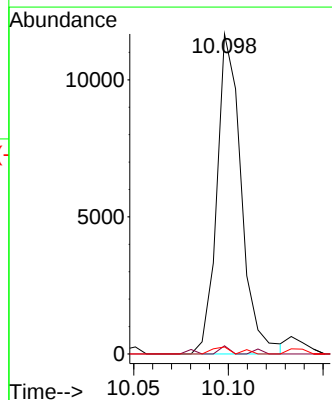
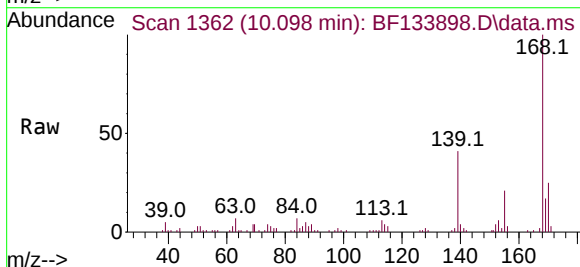
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SB-06-0-2.0DL

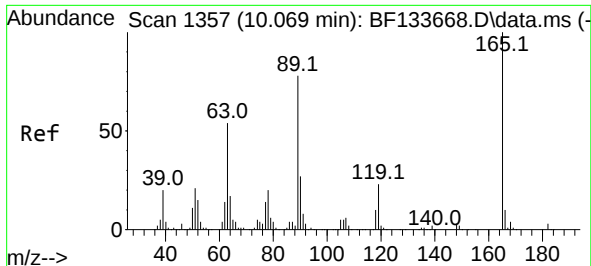
Tgt Ion:154 Resp: 23854
Ion Ratio Lower Upper
154 100
153 118.7 89.8 134.8
152 56.7 43.4 65.2



#56
4-Nitrophenol
Concen: 4.372 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.076 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:139 Resp: 10444
Ion Ratio Lower Upper
139 100
109 2.5 50.7 90.7#
65 2.2 67.1 107.1#

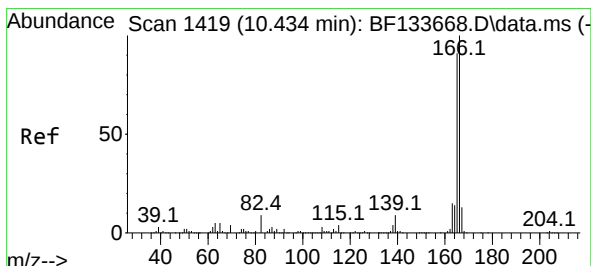
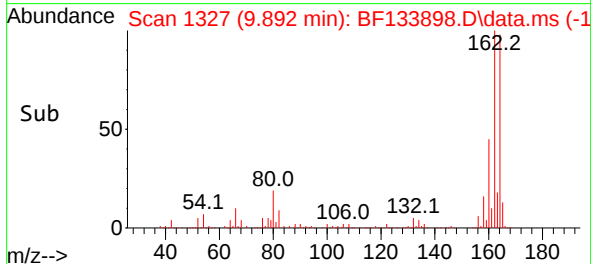
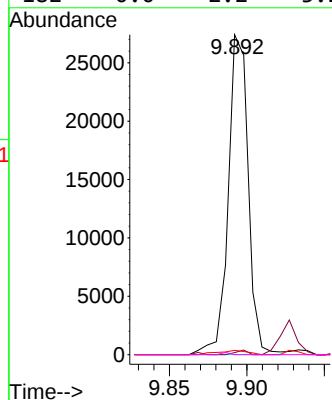
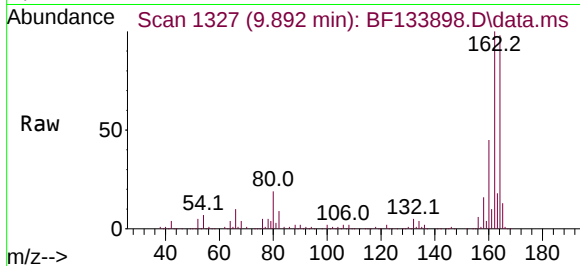




#57
2,4-Dinitrotoluene
Concen: 6.635 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

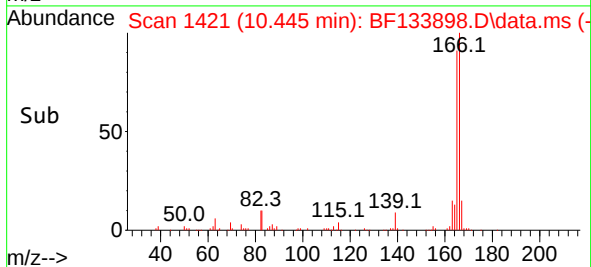
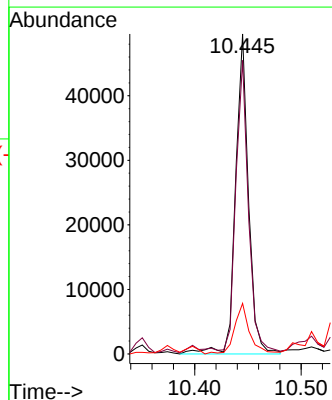
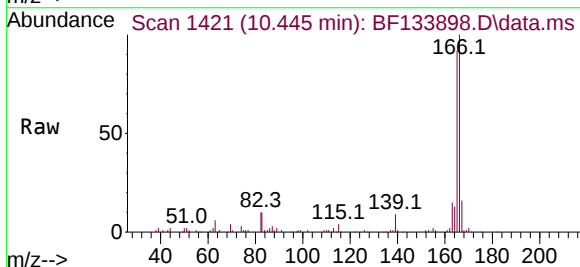
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BNA_F
ClientSampleId :
SB-06-0-2.0DL

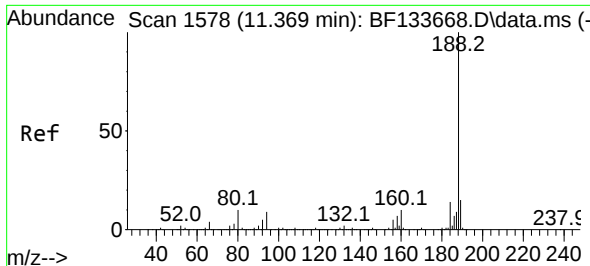
Tgt Ion:165 Resp: 24541
Ion Ratio Lower Upper
165 100
63 0.6 43.0 64.6#
89 1.4 62.6 93.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 3.242 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:166 Resp: 42087
Ion Ratio Lower Upper
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165 91.7 73.1 109.7
167 15.8 10.5 15.7#

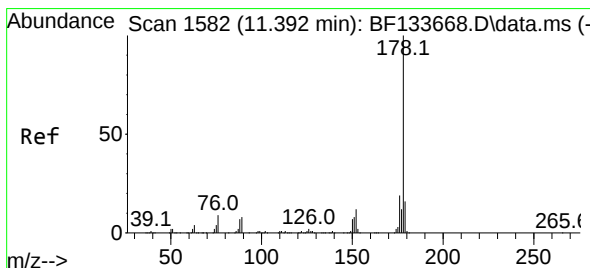
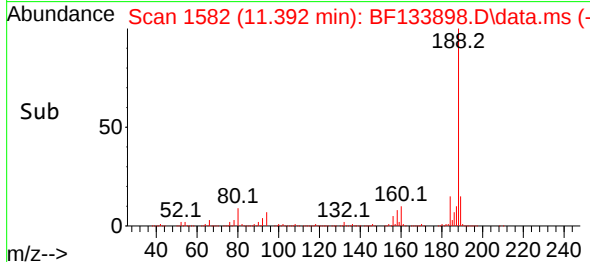
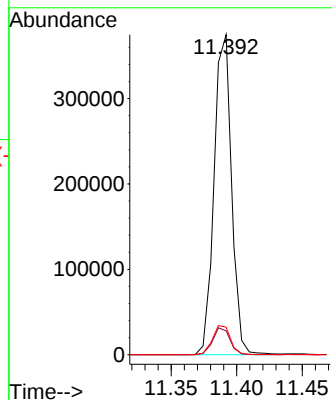
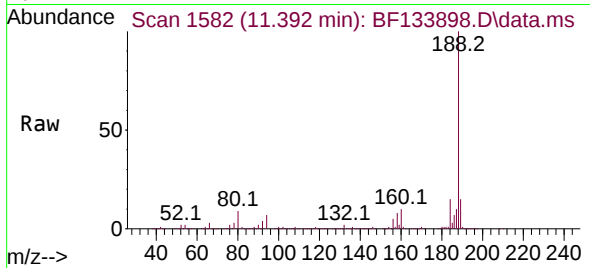




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

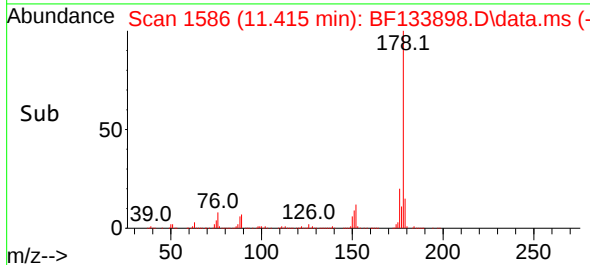
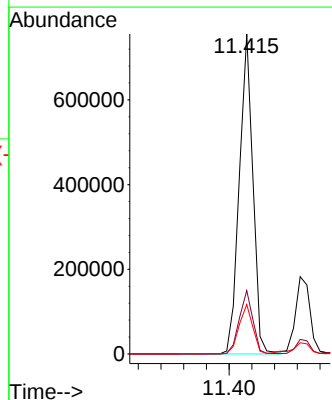
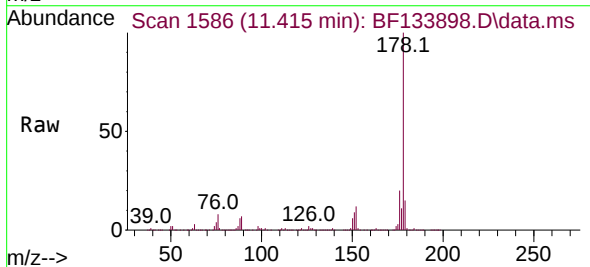
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

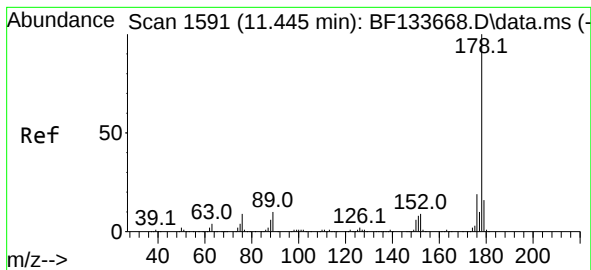
Tgt Ion:188 Resp: 347717
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 8.6 7.8 11.6



#71
Phenanthrene
Concen: 35.502 ng
RT: 11.415 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:178 Resp: 626306
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.5 12.4 18.6





#72

Anthracene

Concen: 8.493 ng

RT: 11.463 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL

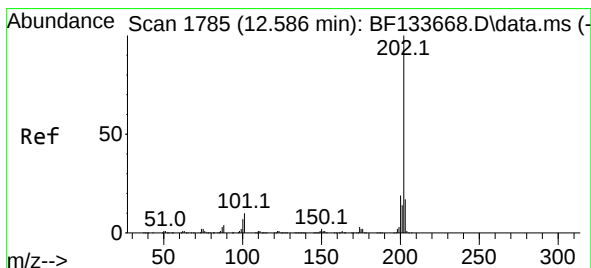
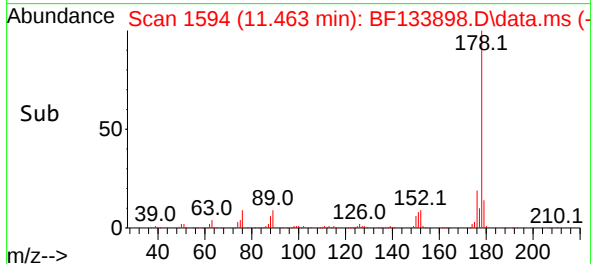
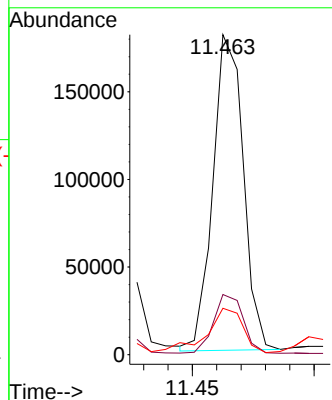
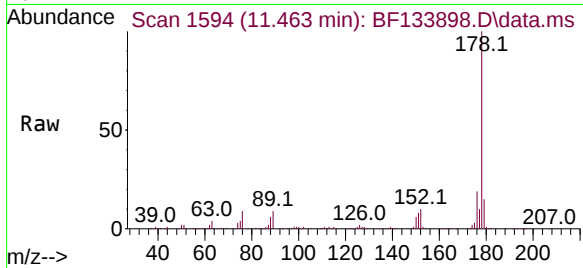
Tgt Ion:178 Resp: 156227

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 14.5 12.6 18.8



#75

Fluoranthene

Concen: 44.188 ng

RT: 12.615 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

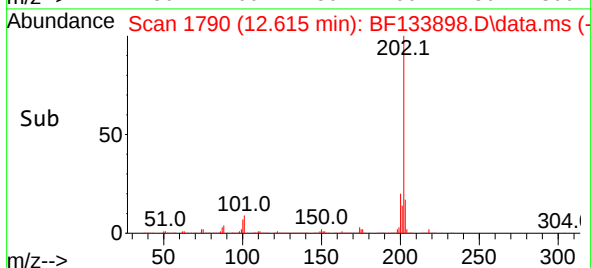
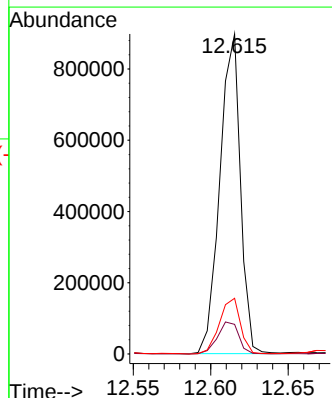
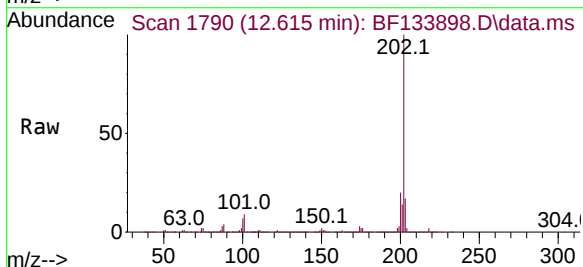
Tgt Ion:202 Resp: 827820

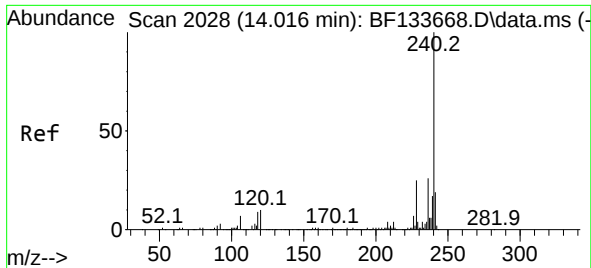
Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.6

203 17.4 0.0 37.4

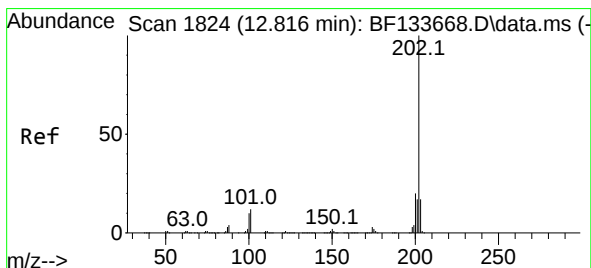
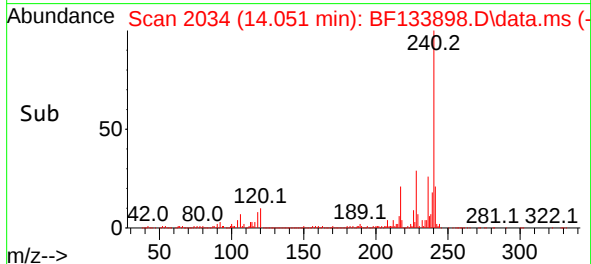
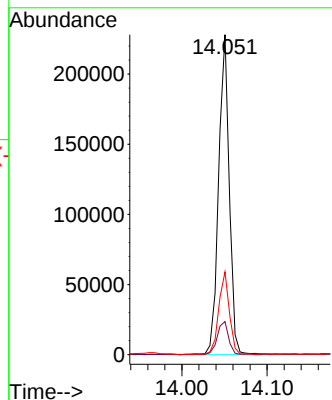
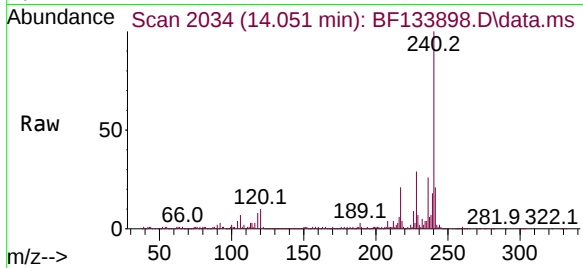




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

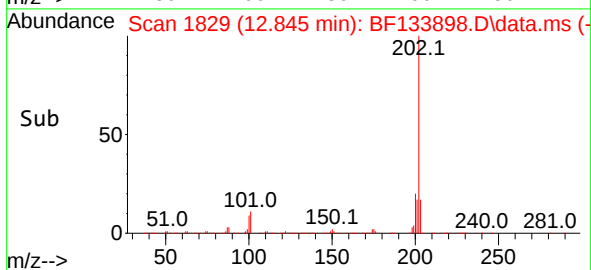
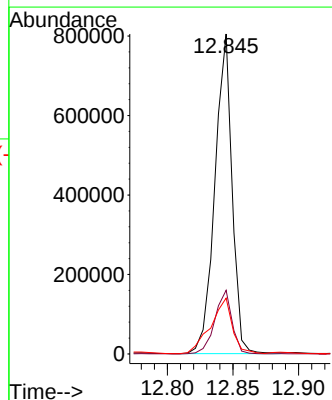
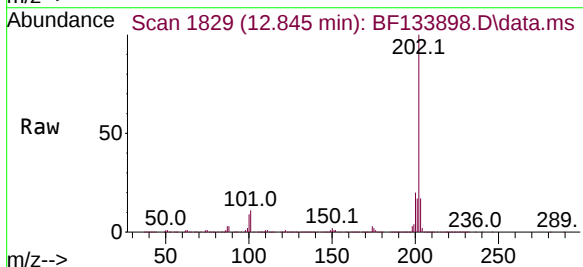
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

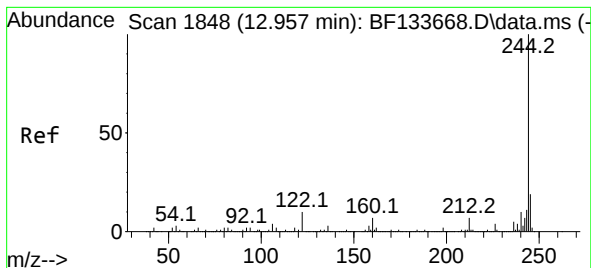
Tgt Ion:240 Resp: 198616
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 25.9 20.5 30.7



#78
Pyrene
Concen: 39.616 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:202 Resp: 732976
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 5.390 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF133898.D

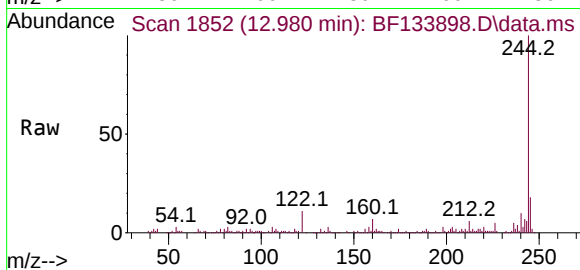
Acq: 22 Jun 2023 13:23

Instrument :

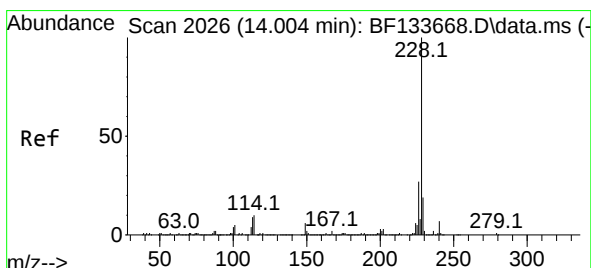
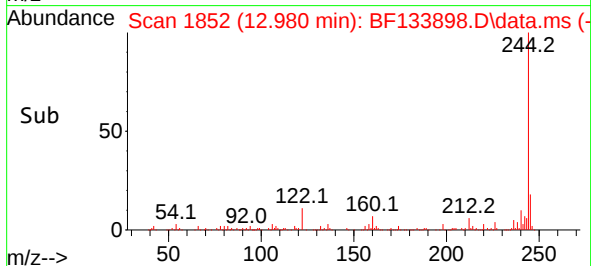
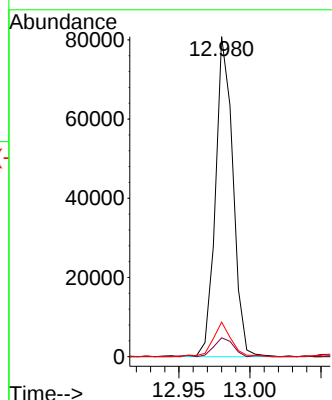
BNA_F

ClientSampleId :

SB-06-0-2.0DL



Tgt Ion:	244	Resp:	69190
Ion Ratio	Lower	Upper	
244	100		
212	5.9	5.4	8.2
122	10.8	8.1	12.1



#81

Benzo(a)anthracene

Concen: 27.891 ng

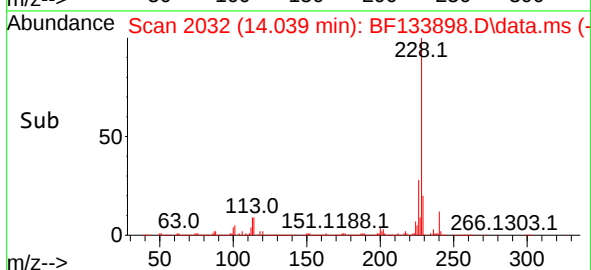
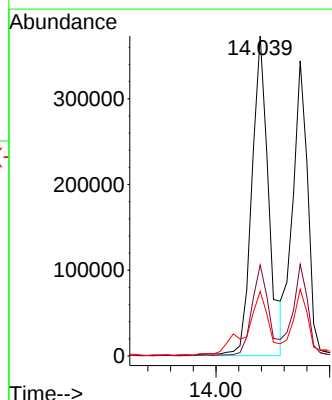
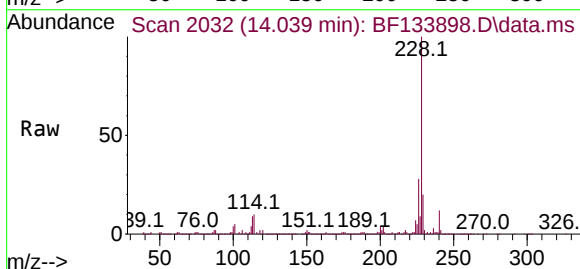
RT: 14.039 min Scan# 2032

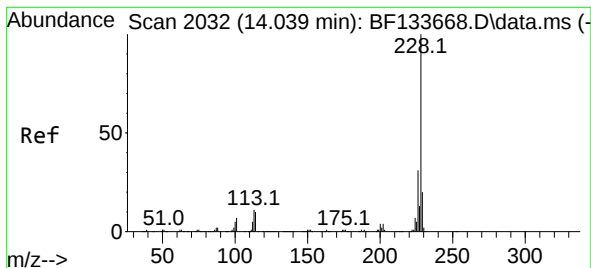
Delta R.T. -0.006 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

Tgt Ion:	228	Resp:	383182
Ion Ratio	Lower	Upper	
228	100		
226	28.5	21.7	32.5
229	20.2	15.4	23.2





#83

Chrysene

Concen: 24.278 ng

RT: 14.074 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL

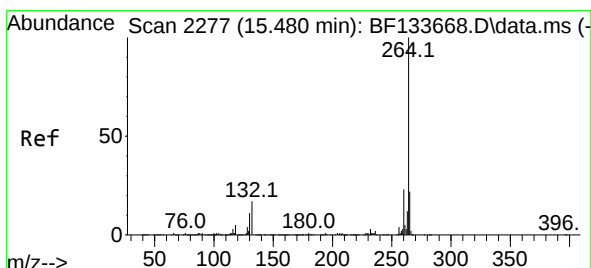
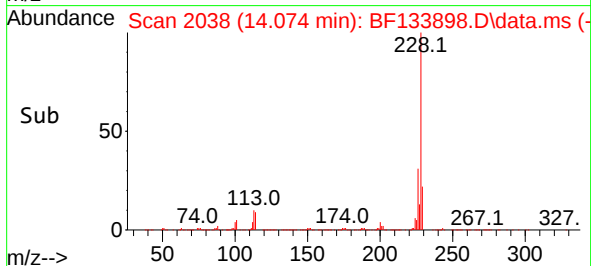
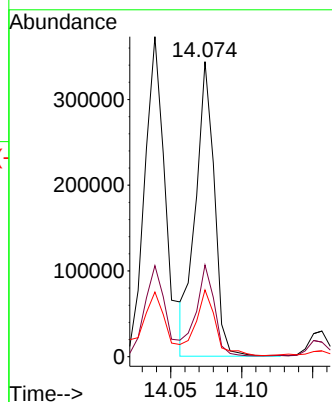
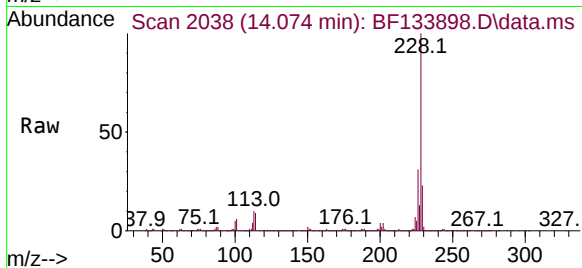
Tgt Ion:228 Resp: 315463

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

229 22.6 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2291

Delta R.T. -0.000 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

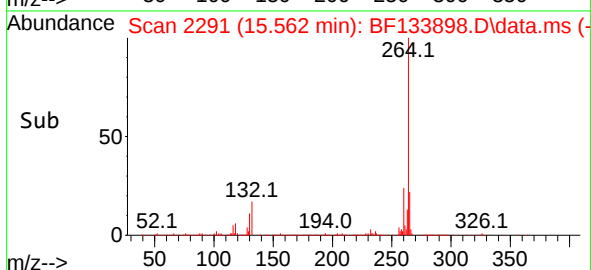
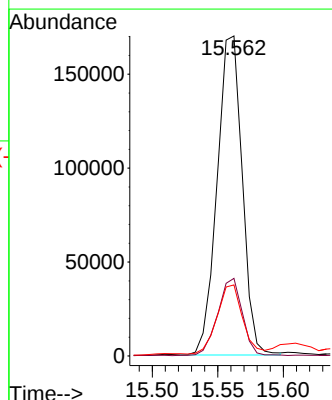
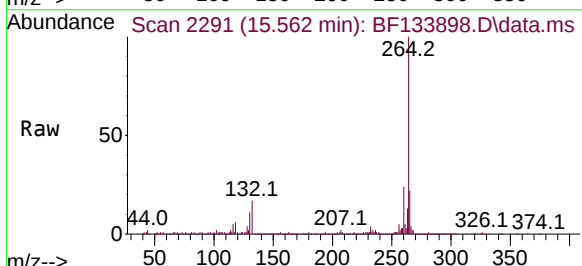
Tgt Ion:264 Resp: 226092

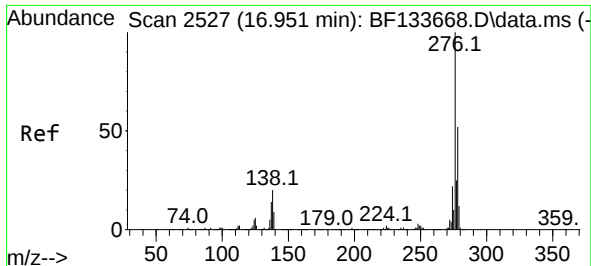
Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

265 22.2 17.8 26.6

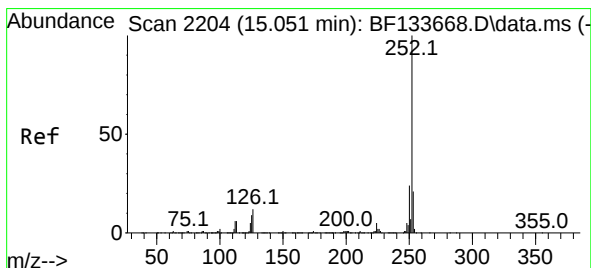
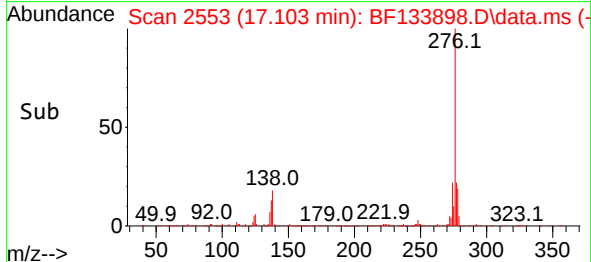
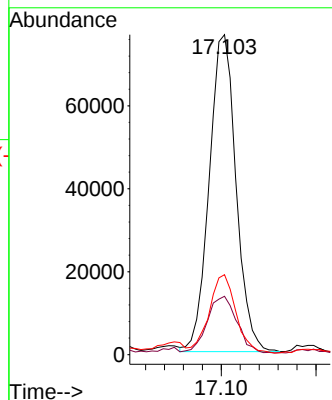
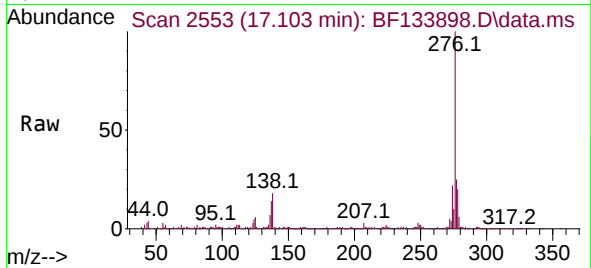




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.670 ng
RT: 17.103 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

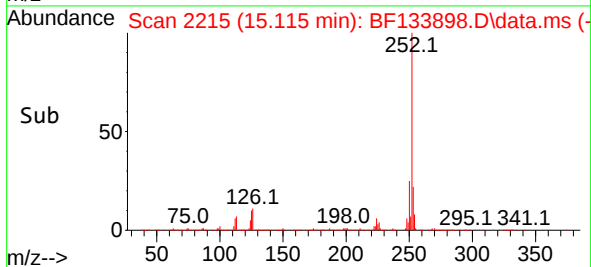
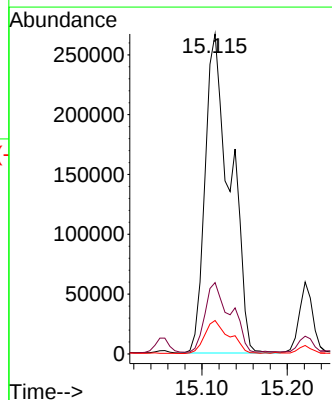
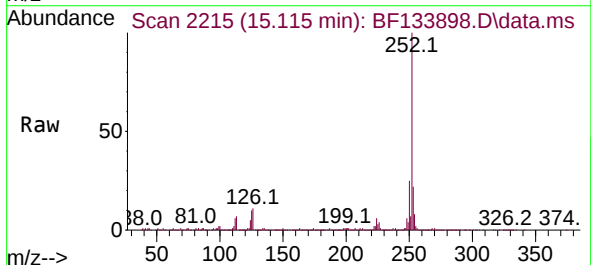
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

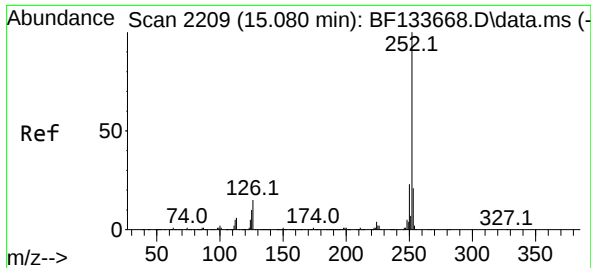
Tgt Ion:276 Resp: 150413
Ion Ratio Lower Upper
276 100
138 19.7 17.9 26.9
277 24.8 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 39.866 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:252 Resp: 547521
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 10.4 7.3 10.9

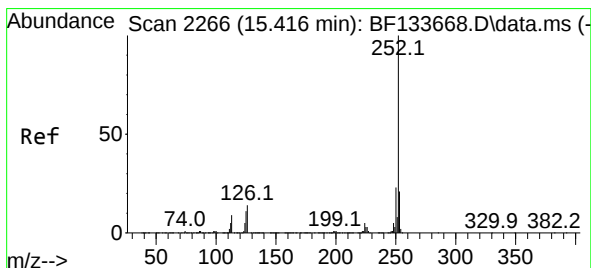
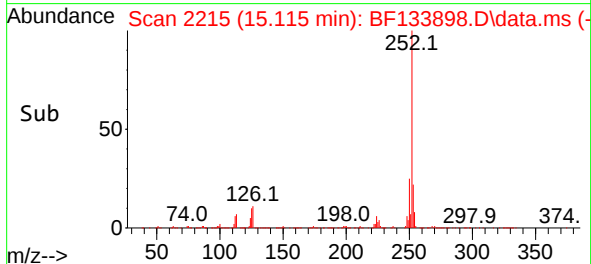
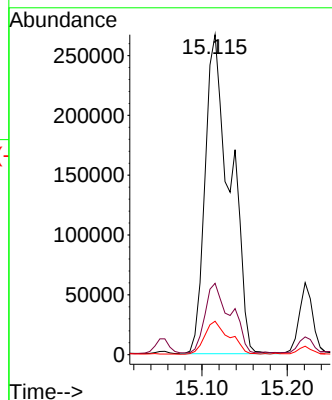
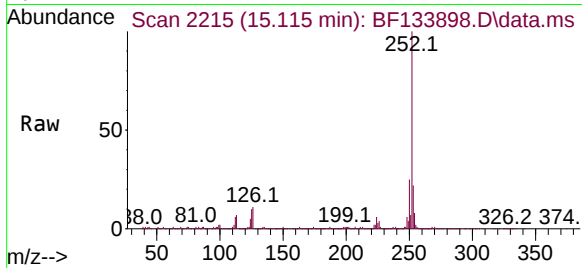




#89
Benzo(k)fluoranthene
Concen: 40.925 ng
RT: 15.115 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

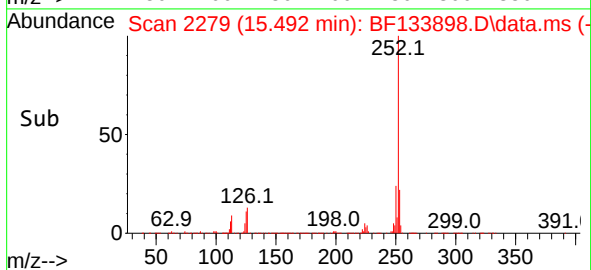
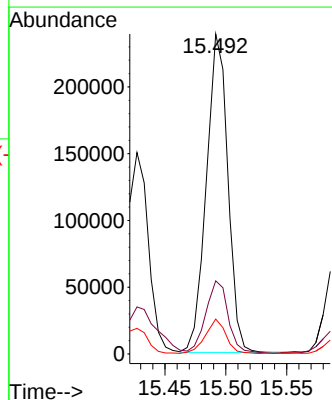
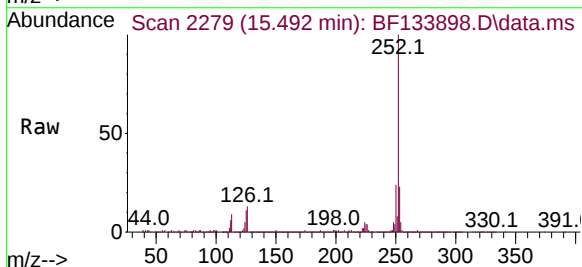
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

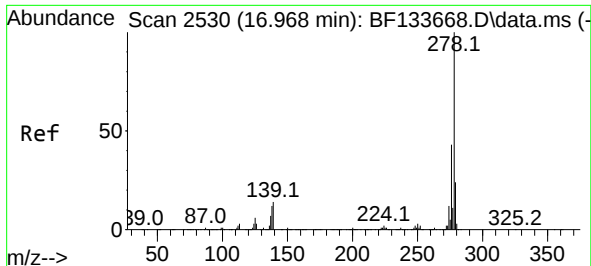
Tgt Ion:252 Resp: 547521
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 10.4 7.8 11.6



#90
Benzo(a)pyrene
Concen: 22.962 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:252 Resp: 292685
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 10.9 8.6 13.0

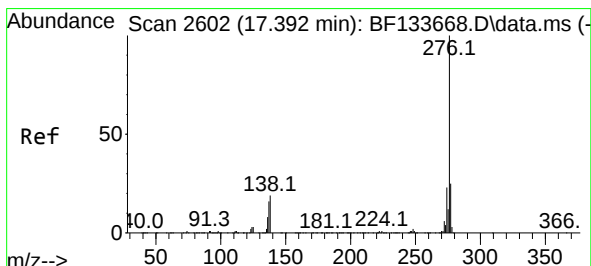
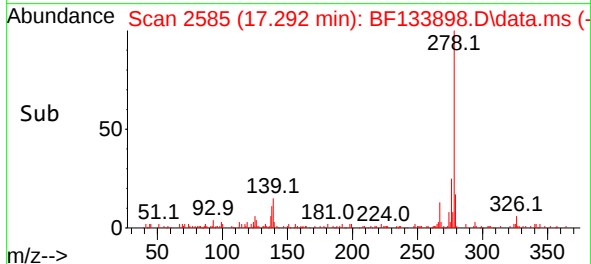
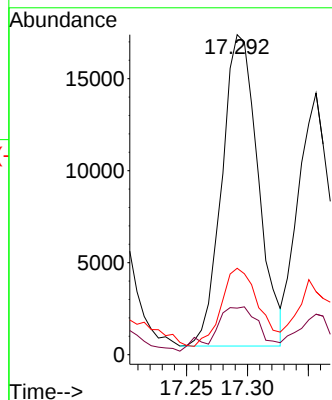
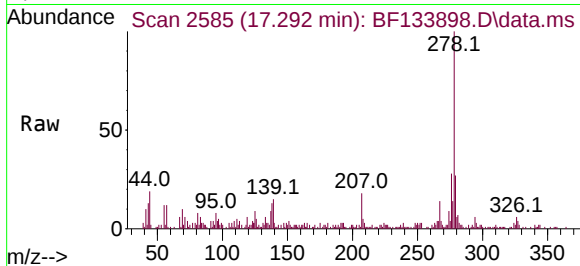




#91
Dibenzo(a,h)anthracene
Concen: 2.719 ng
RT: 17.292 min Scan# 21
Delta R.T. 0.153 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

Tgt Ion:278 Resp: 35008
Ion Ratio Lower Upper
278 100
139 14.6 11.4 17.2
279 27.0 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 9.890 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.018 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:276 Resp: 126270
Ion Ratio Lower Upper
276 100
277 23.1 19.8 29.8
138 19.8 15.0 22.4

