

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133883.D
 Acq On : 21 Jun 2023 21:42
 Operator : CG\JU
 Sample : 03289-08DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 06:00:57 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)

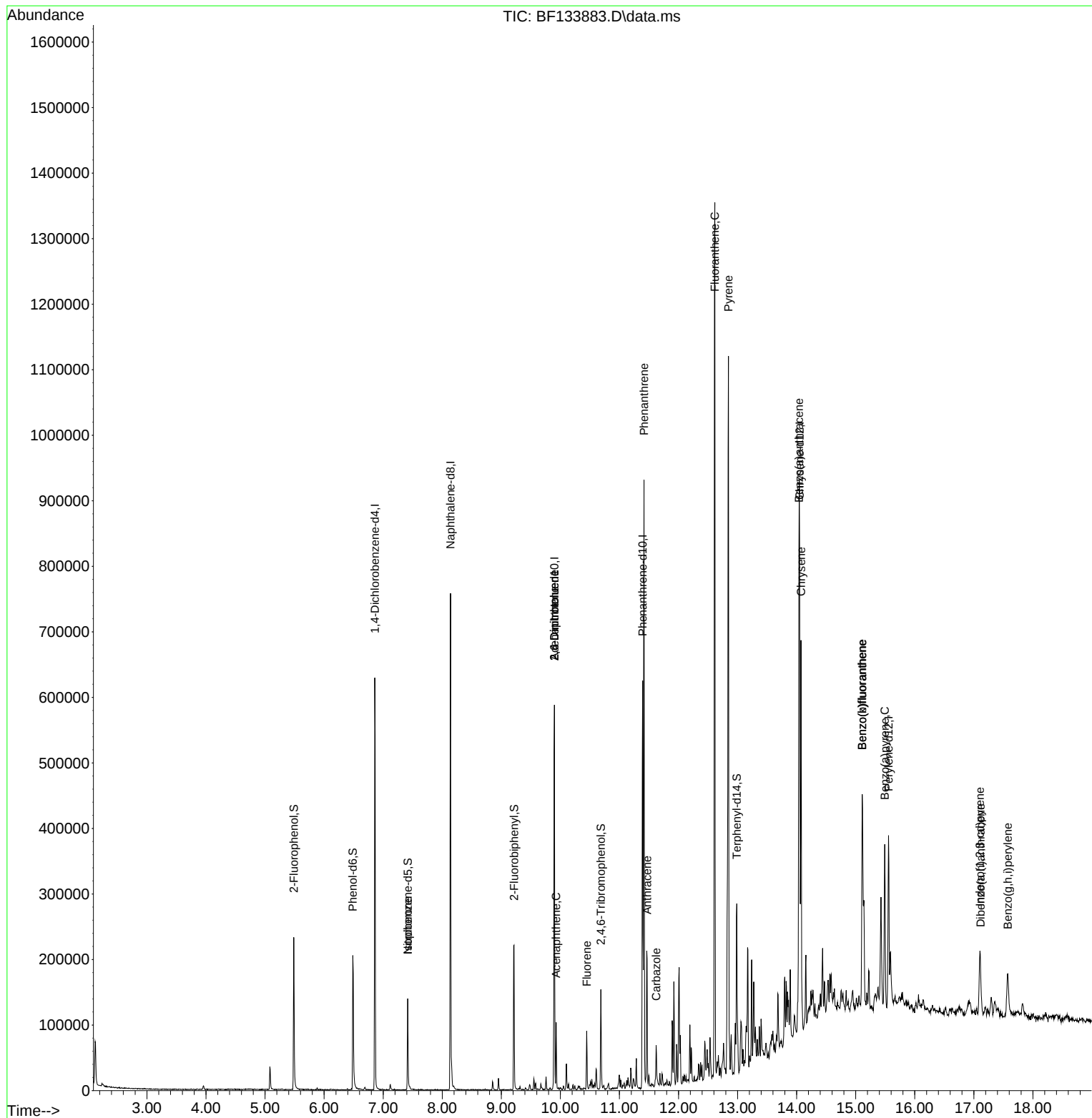
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	91092	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	300379	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	114248	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	222166	20.000	ng	0.00
76) Chrysene-d12	14.051	240	171725	20.000	ng	0.00
86) Perylene-d12	15.557	264	119915	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	60701	11.601	ng	0.00
7) Phenol-d6	6.487	99	67099	9.852	ng	0.00
23) Nitrobenzene-d5	7.416	82	40432	7.331	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	13729	9.493	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	73780	9.180	ng	0.00
79) Terphenyl-d14	12.986	244	86508	7.795	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.416	82	40431	3.993	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	14960	8.499	ng	# 27
52) Acenaphthene	9.927	154	18627	2.766	ng	96
57) 2,4-Dinitrotoluene	9.898	165	14960	6.683	ng	# 18
58) Fluorene	10.445	166	22370	2.847	ng	98
71) Phenanthrene	11.416	178	315113	27.956	ng	99
72) Anthracene	11.469	178	80558	6.854	ng	98
73) Carbazole	11.621	167	23864	2.180	ng	98
75) Fluoranthene	12.616	202	562176	46.967	ng	99
78) Pyrene	12.845	202	472316	29.526	ng	99
81) Benzo(a)anthracene	14.039	228	255690	21.526	ng	97
83) Chrysene	14.074	228	207779	18.494	ng	96
87) Indeno(1,2,3-cd)pyrene	17.103	276	71248	8.636	ng	96
88) Benzo(b)fluoranthene	15.109	252	246785	33.879	ng	97
89) Benzo(k)fluoranthene	15.109	252	246785	34.779	ng	98
90) Benzo(a)pyrene	15.492	252	121998	18.046	ng	97
91) Dibenzo(a,h)anthracene	17.115	278	18170	2.660	ng	# 91
92) Benzo(g,h,i)perylene	17.574	276	62891	9.287	ng	98

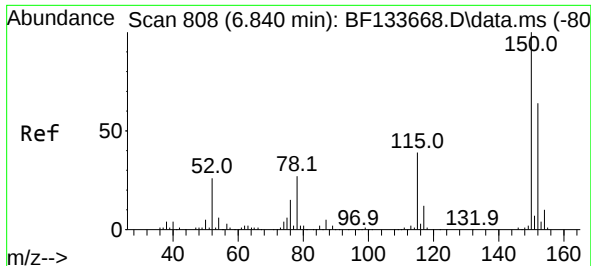
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133883.D
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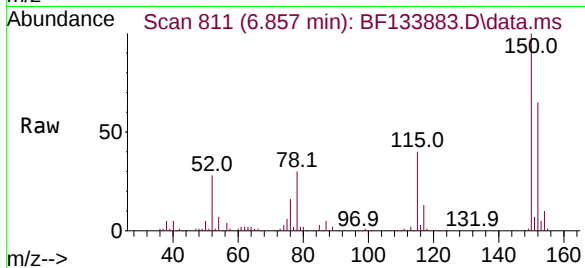
Quant Time: Jun 22 06:00:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
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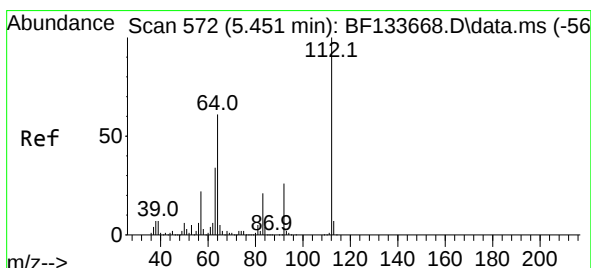
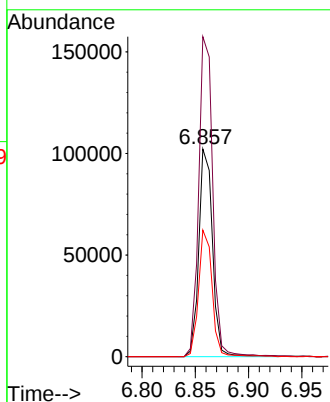
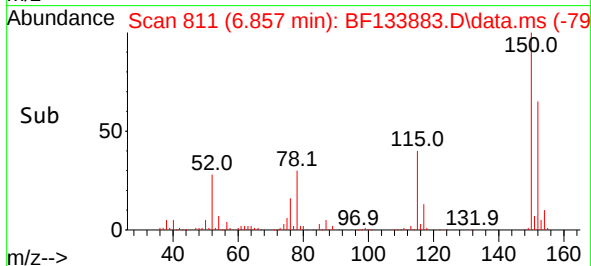


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

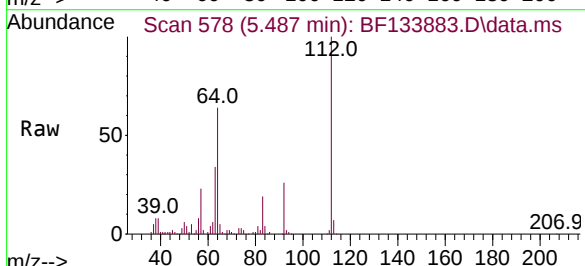
Instrument :
BNA_F
ClientSampleId :



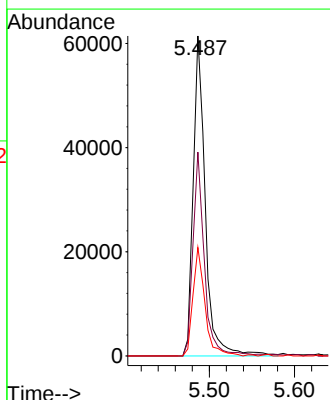
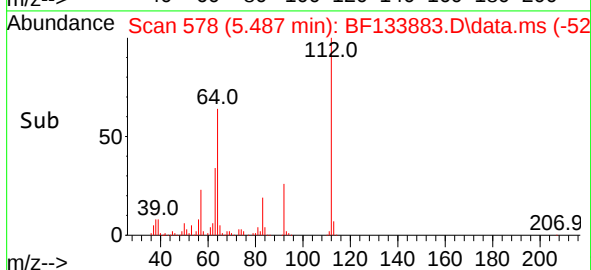
Tgt Ion:152 Resp: 91092
Ion Ratio Lower Upper
152 100
150 154.2 124.3 186.5
115 60.9 48.5 72.7

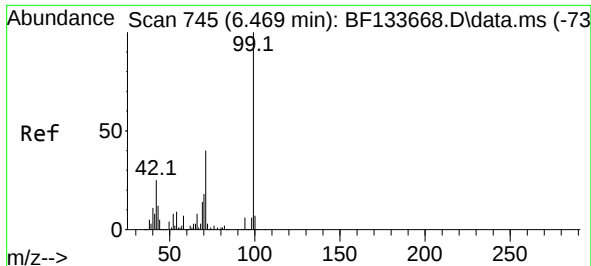


#5
2-Fluorophenol
Concen: 11.601 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42



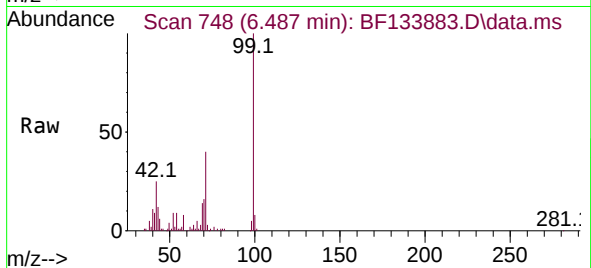
Tgt Ion:112 Resp: 60701
Ion Ratio Lower Upper
112 100
64 63.7 49.0 73.4
63 33.9 26.8 40.2



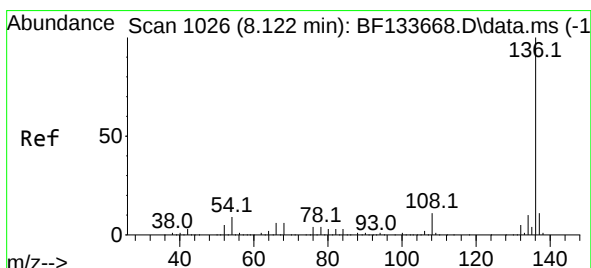
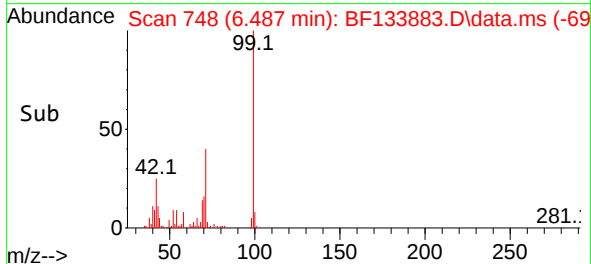
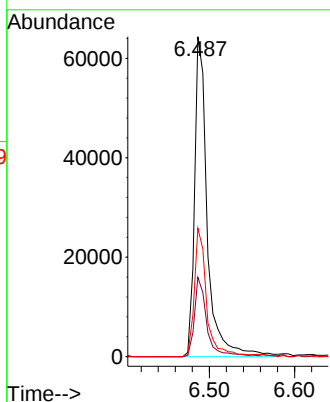


#7
Phenol-d6
Concen: 9.852 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

Instrument :
BNA_F
ClientSampleId :

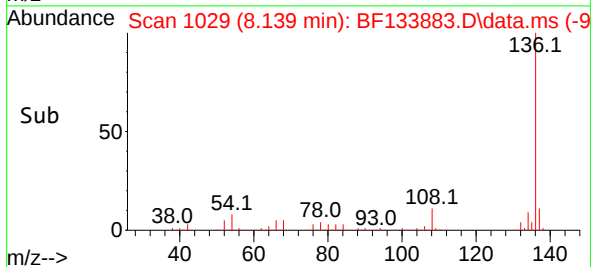
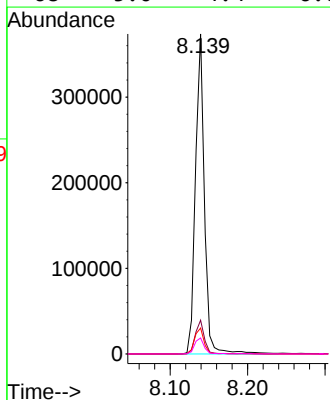
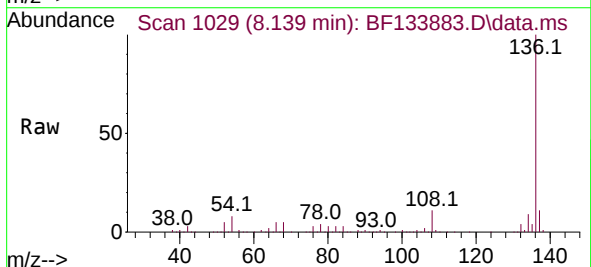


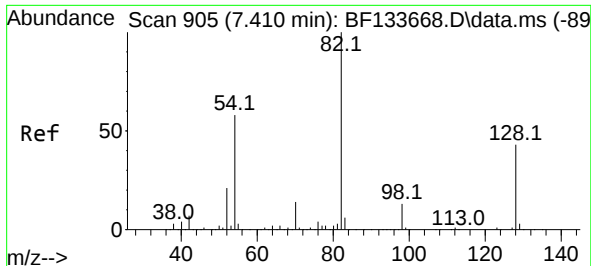
Tgt Ion: 99 Resp: 67099
Ion Ratio Lower Upper
99 100
42 24.8 19.9 29.9
71 40.1 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

Tgt Ion: 136 Resp: 300379
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.1 7.4 11.0
68 5.0 4.4 6.6





#23

Nitrobenzene-d5

Concen: 7.331 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

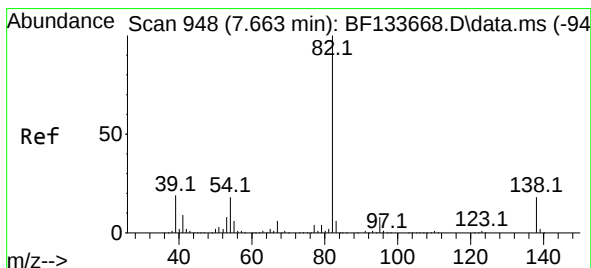
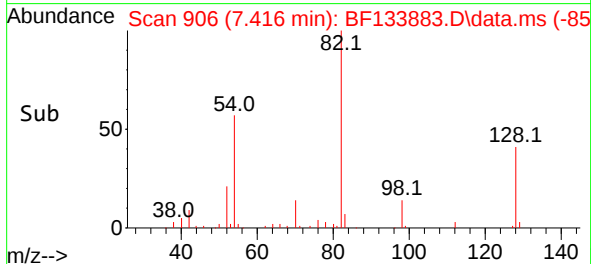
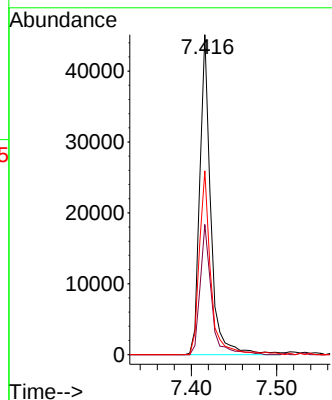
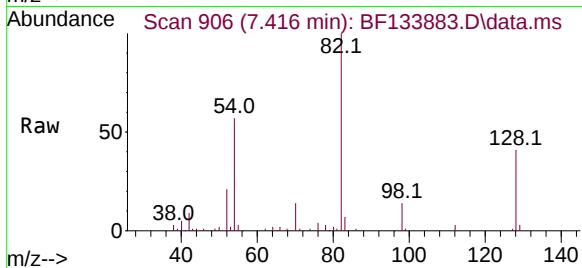
Tgt Ion: 82 Resp: 40432

Ion Ratio Lower Upper

82 100

128 40.7 34.2 51.2

54 57.4 46.5 69.7



#25

Isophorone

Concen: 3.993 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

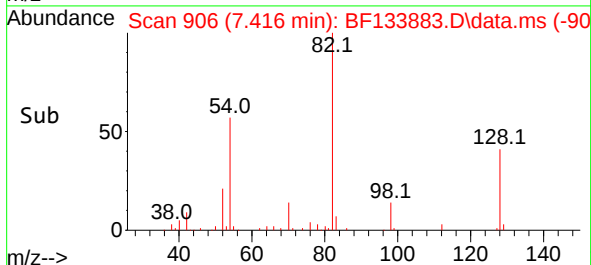
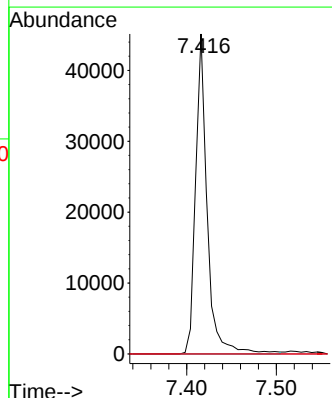
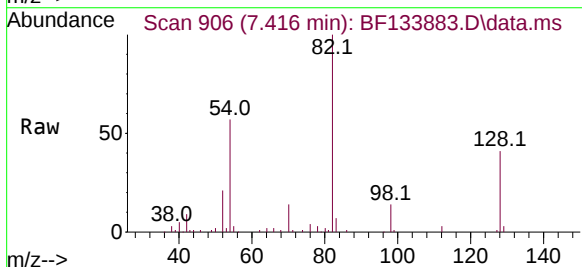
Tgt Ion: 82 Resp: 40431

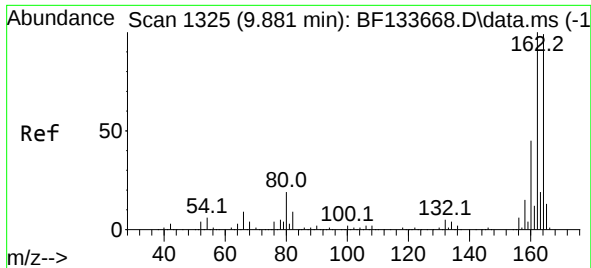
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

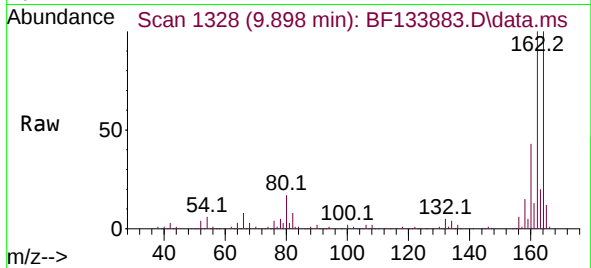
138 0.0 14.2 21.2#



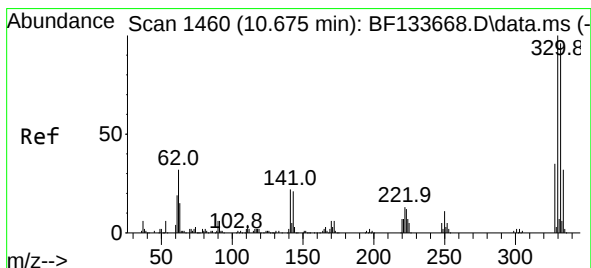
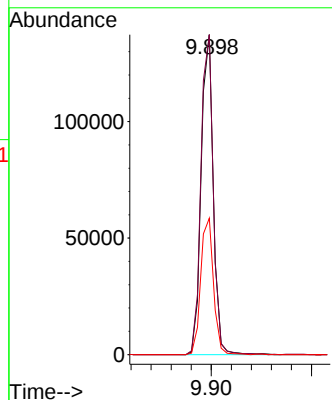
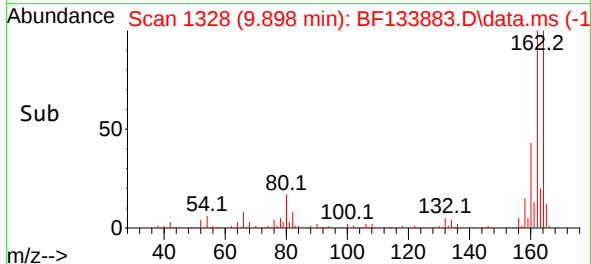


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

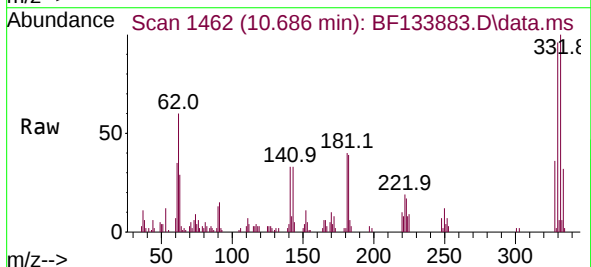
Instrument :
BNA_F
ClientSampleId :



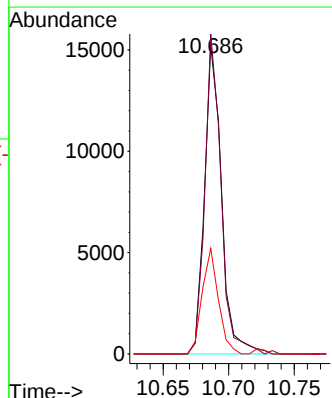
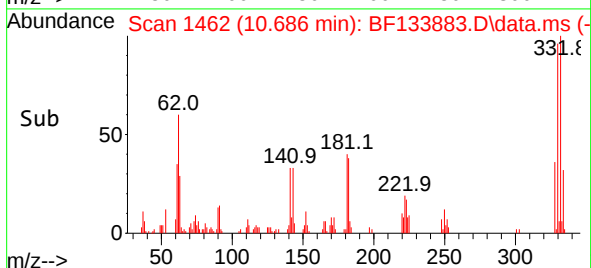
Tgt Ion:164 Resp: 114248
Ion Ratio Lower Upper
164 100
162 100.0 80.8 121.2
160 42.6 36.7 55.1

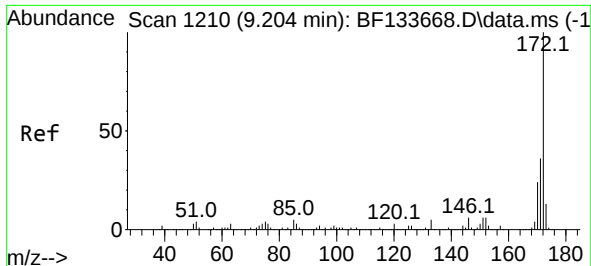


#42
2,4,6-Tribromophenol
Concen: 9.493 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42



Tgt Ion:330 Resp: 13729
Ion Ratio Lower Upper
330 100
332 98.7 77.2 115.8
141 32.6 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 9.180 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.000 min

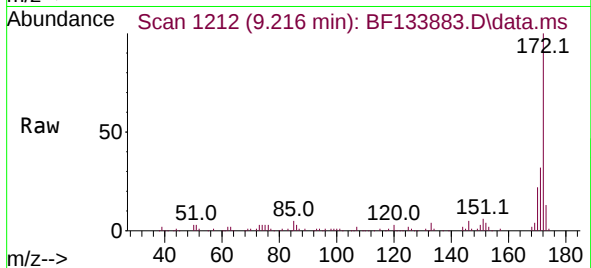
Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :



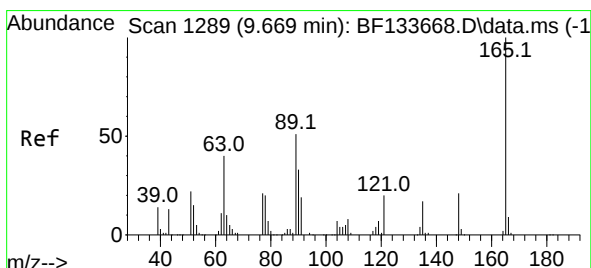
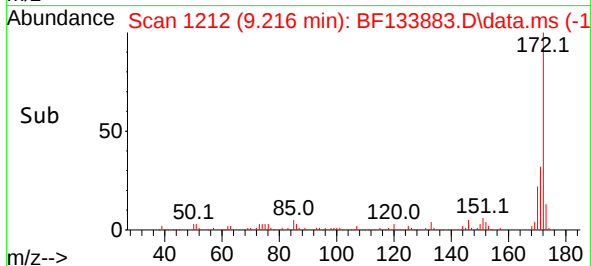
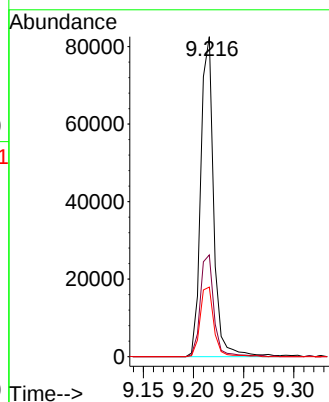
Tgt Ion:172 Resp: 73780

Ion Ratio Lower Upper

172 100

171 31.8 28.6 43.0

170 21.7 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.499 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.218 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

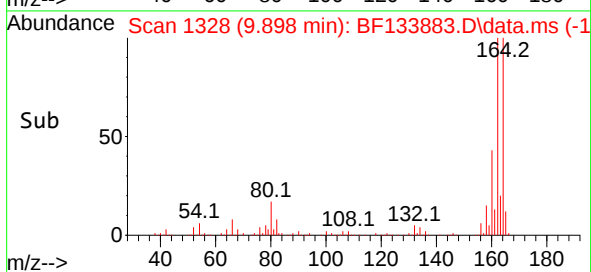
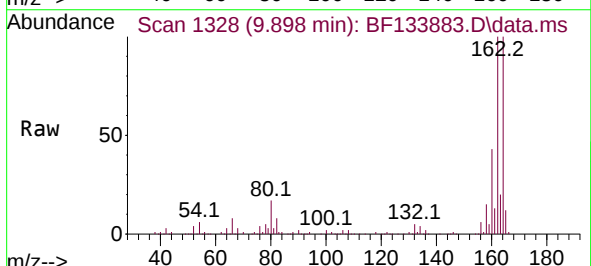
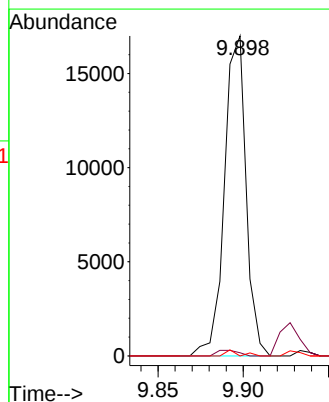
Tgt Ion:165 Resp: 14960

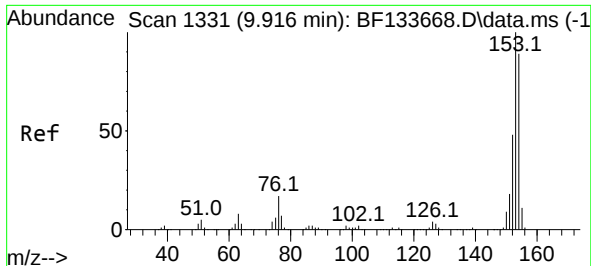
Ion Ratio Lower Upper

165 100

63 1.0 42.1 63.1#

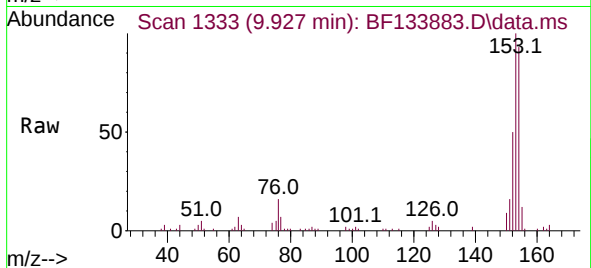
89 0.0 40.9 61.3#



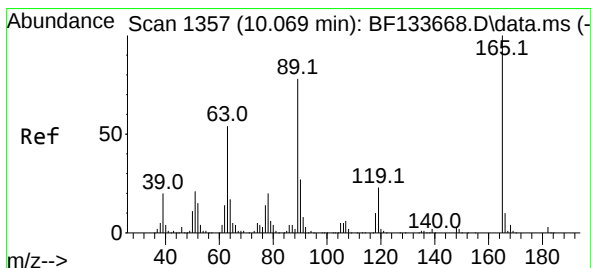
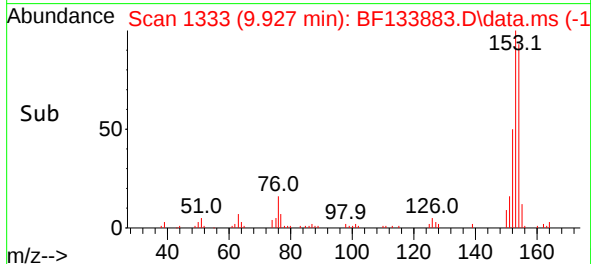
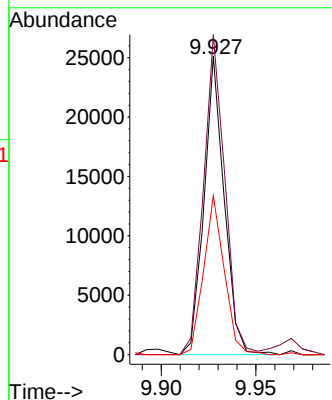


#52
Acenaphthene
Concen: 2.766 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

Instrument :
BNA_F
ClientSampleId :

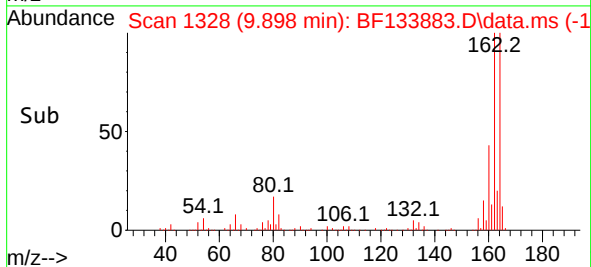
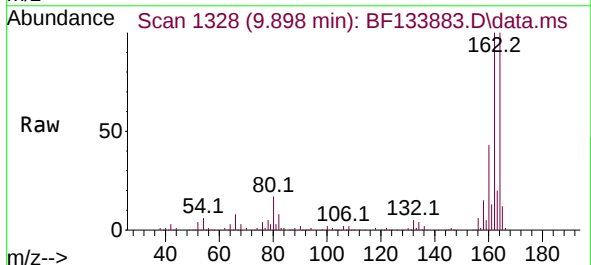
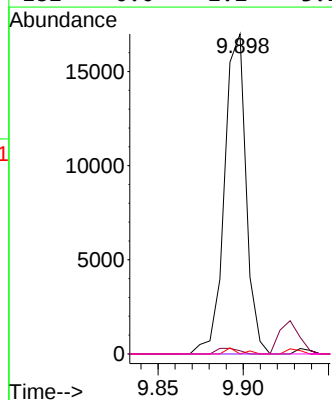


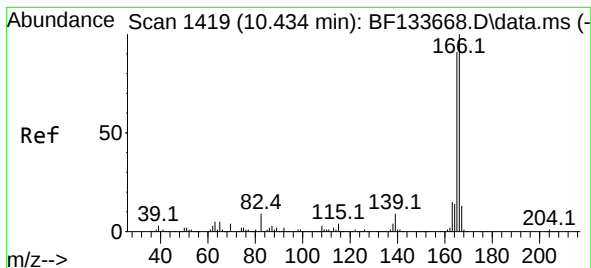
Tgt Ion:154 Resp: 18627
Ion Ratio Lower Upper
154 100
153 107.2 89.8 134.8
152 53.2 43.4 65.2



#57
2,4-Dinitrotoluene
Concen: 6.683 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.188 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

Tgt Ion:165 Resp: 14960
Ion Ratio Lower Upper
165 100
63 1.0 43.0 64.6#
89 0.0 62.6 93.8#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.847 ng

RT: 10.445 min Scan# 1419

Delta R.T. -0.000 min

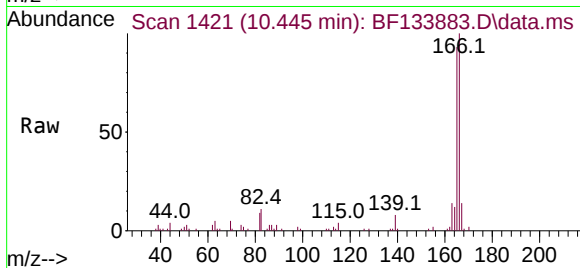
Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :



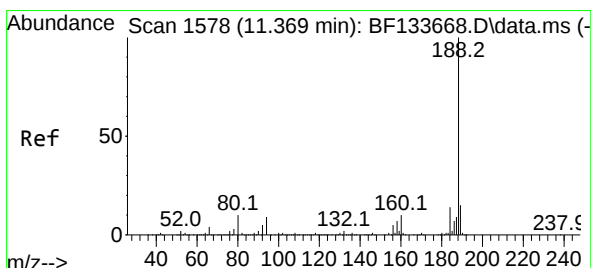
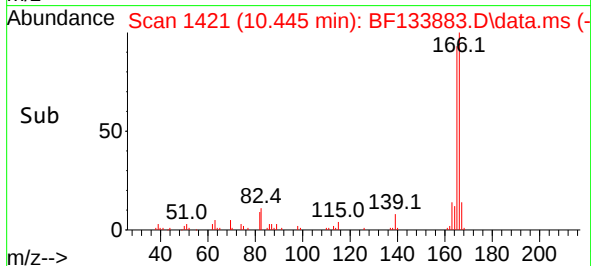
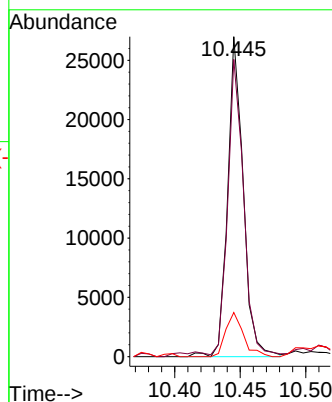
Tgt Ion:166 Resp: 22370

Ion Ratio Lower Upper

166 100

165 92.9 73.1 109.7

167 13.8 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

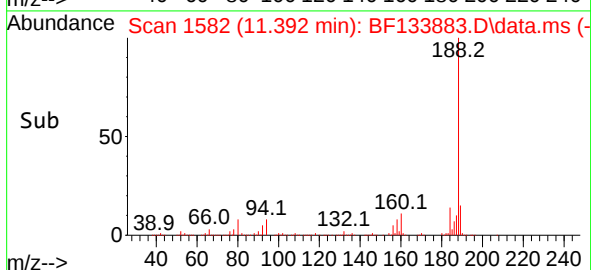
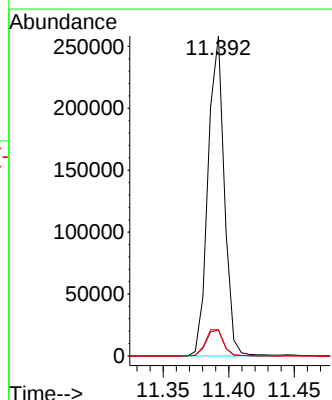
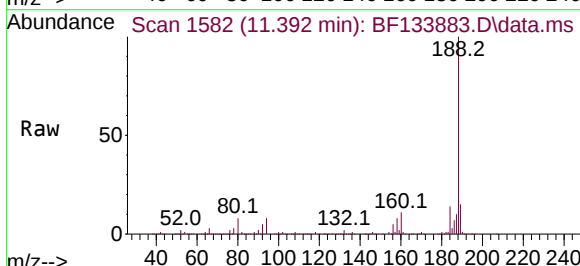
Tgt Ion:188 Resp: 222166

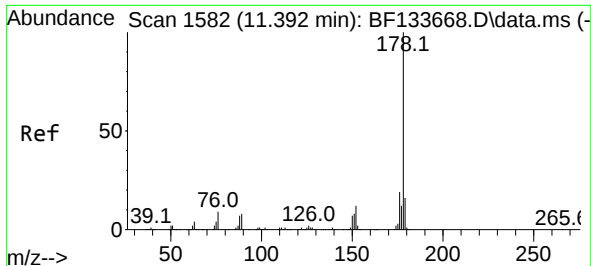
Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.2 7.8 11.6

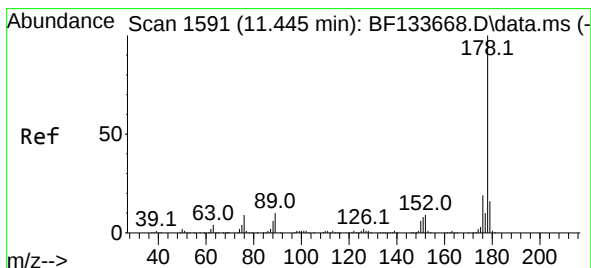
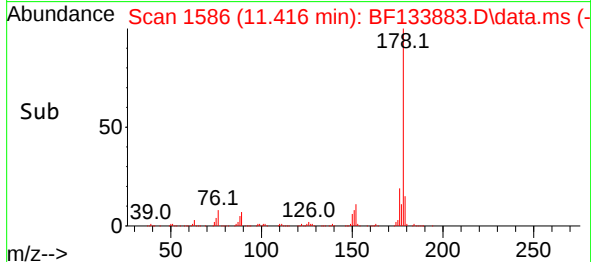
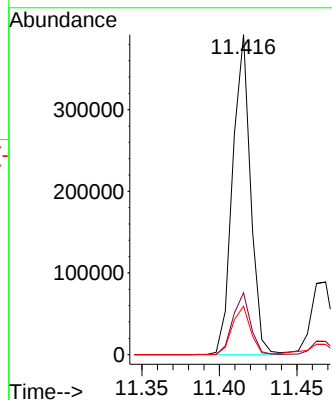
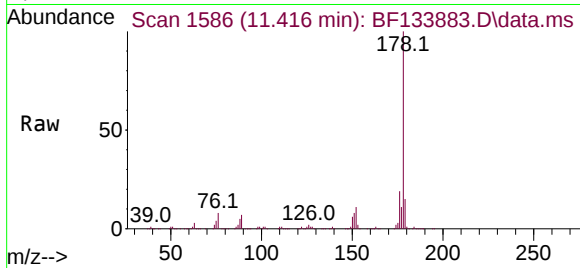




#71
Phenanthrene
Concen: 27.956 ng
RT: 11.416 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

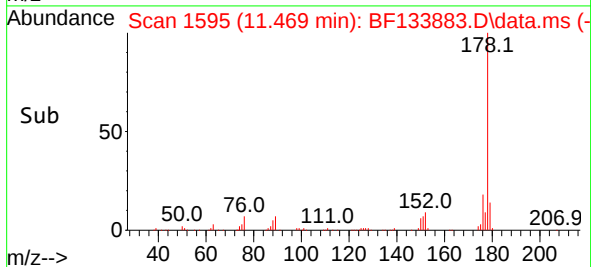
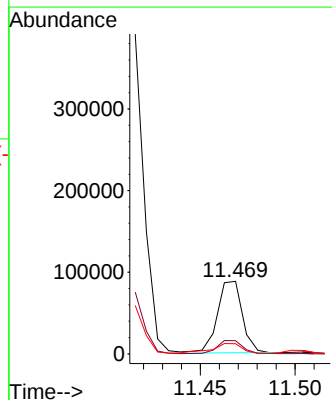
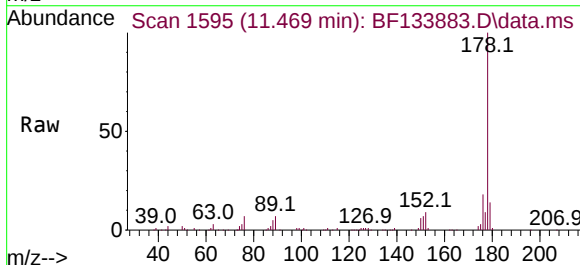
Instrument :
BNA_F
ClientSampleId :

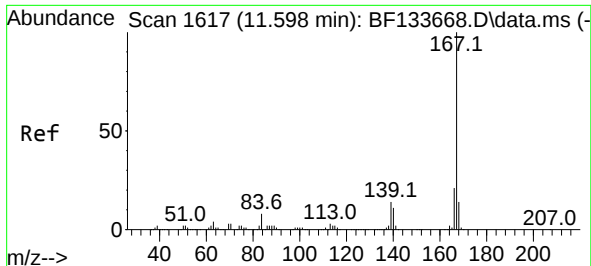
Tgt Ion:178 Resp: 315113
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.1 12.4 18.6



#72
Anthracene
Concen: 6.854 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

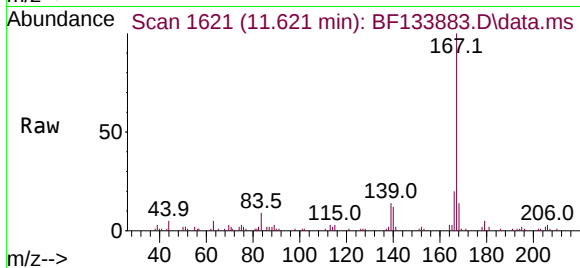
Tgt Ion:178 Resp: 80558
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 14.1 12.6 18.8



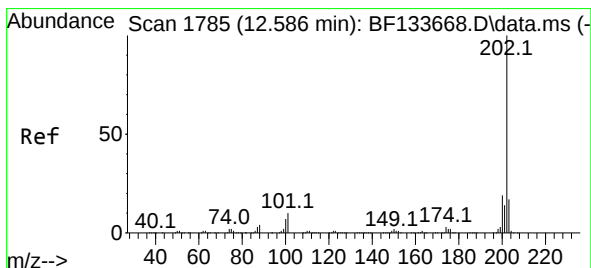
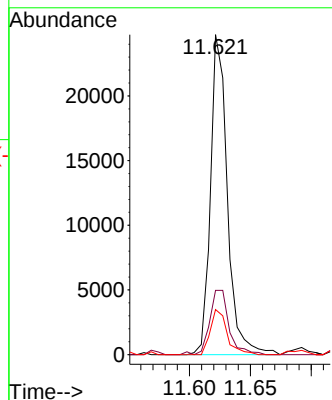
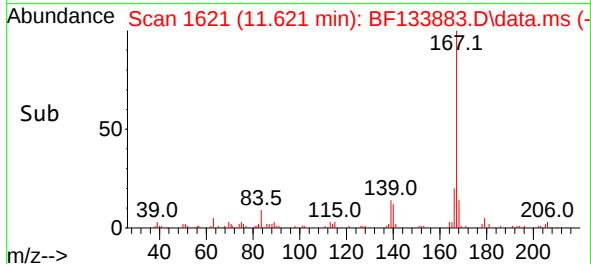


#73
 Carbazole
 Concen: 2.180 ng
 RT: 11.621 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF133883.D
 Acq: 21 Jun 2023 21:42

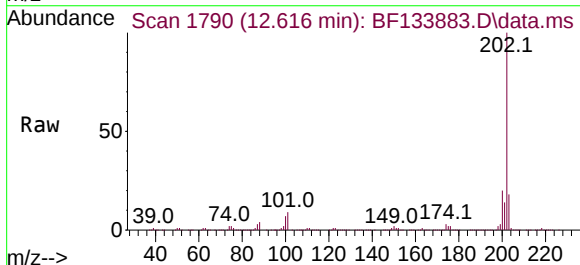
Instrument :
 BNA_F
 ClientSampleId :



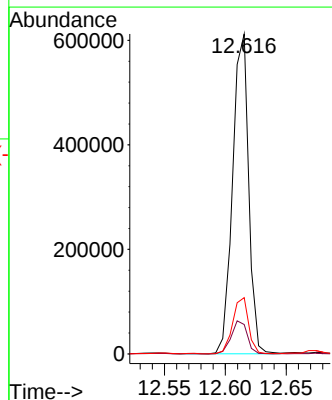
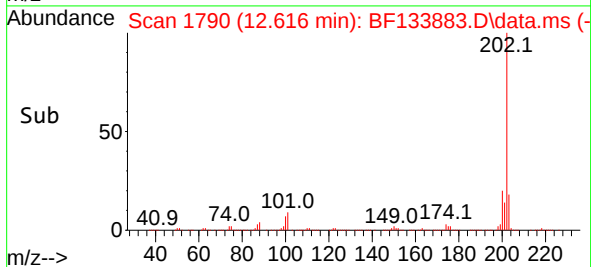
Tgt Ion:167 Resp: 23864
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.0 25.6
 139 14.1 11.2 16.8

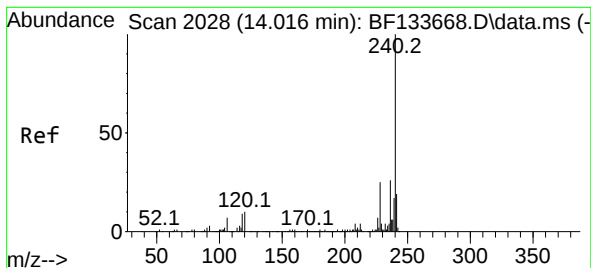


#75
 Fluoranthene
 Concen: 46.967 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF133883.D
 Acq: 21 Jun 2023 21:42



Tgt Ion:202 Resp: 562176
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 29.6
 203 17.6 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: BF133883.D

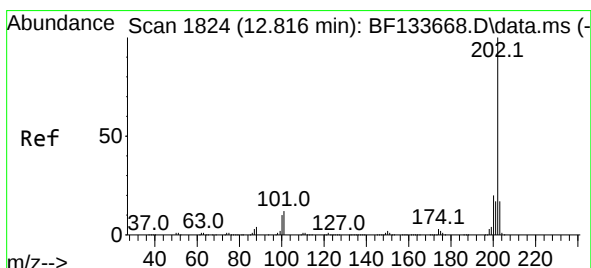
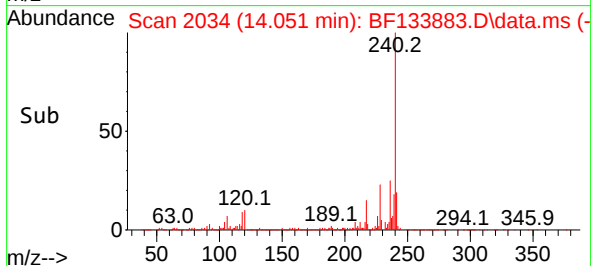
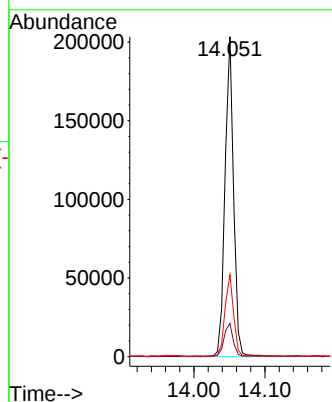
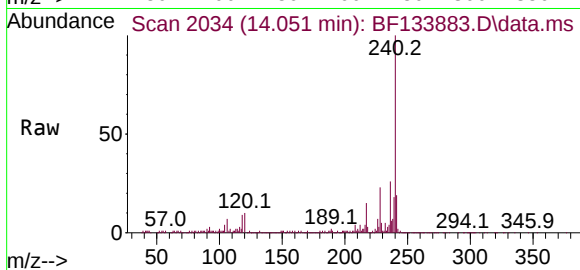
Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:240	Resp:	171725
Ion Ratio	Lower	Upper
240	100	
120	10.3	8.1 12.1
236	25.6	20.5 30.7



#78

Pyrene

Concen: 29.526 ng

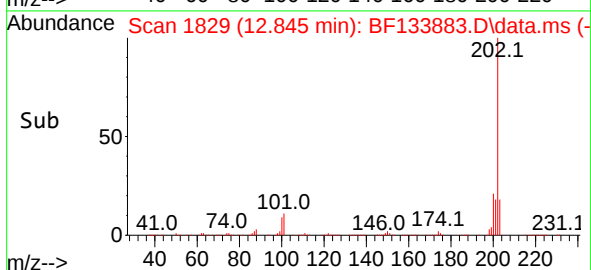
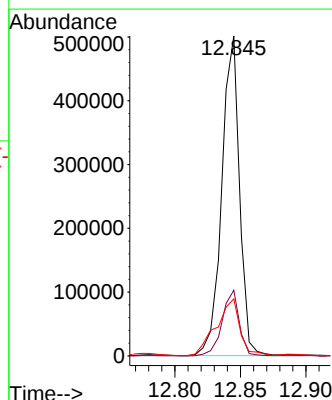
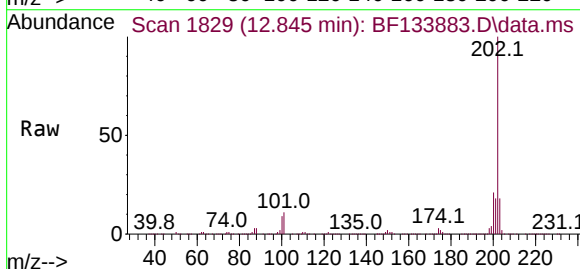
RT: 12.845 min Scan# 1829

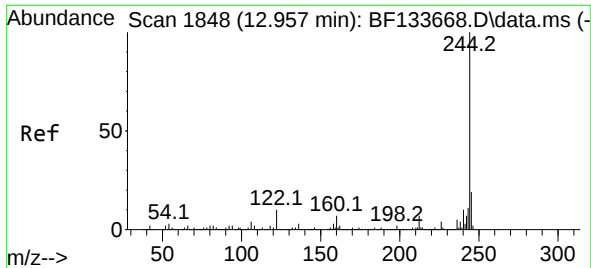
Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

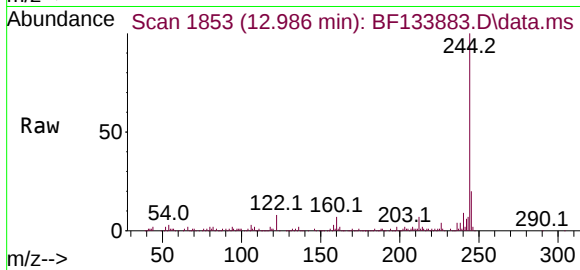
Tgt Ion:202	Resp:	472316
Ion Ratio	Lower	Upper
202	100	
200	20.5	16.2 24.2
203	17.8	13.9 20.9



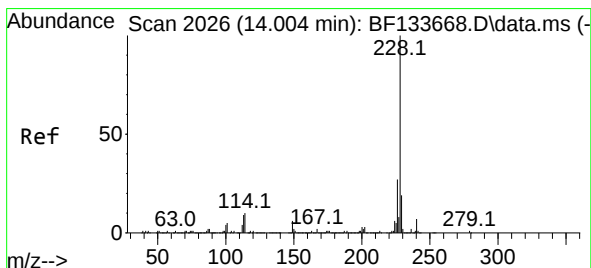
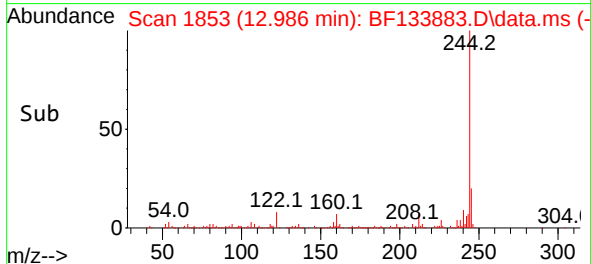
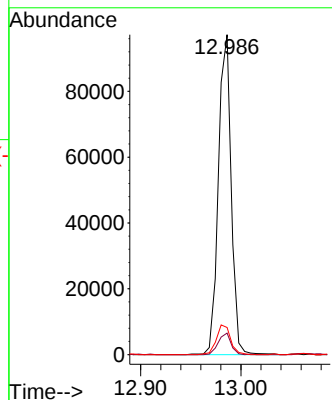


#79
 Terphenyl-d14
 Concen: 7.795 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF133883.D
 Acq: 21 Jun 2023 21:42

Instrument :
 BNA_F
 ClientSampleId :

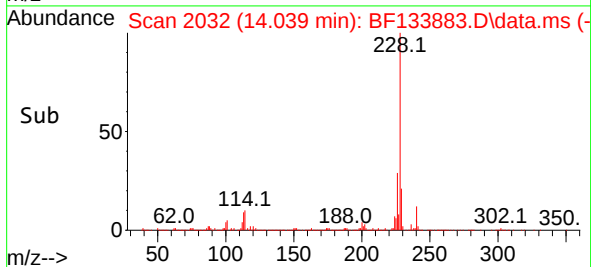
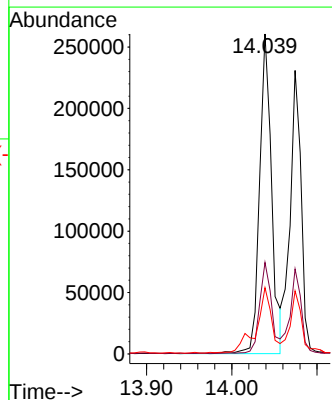
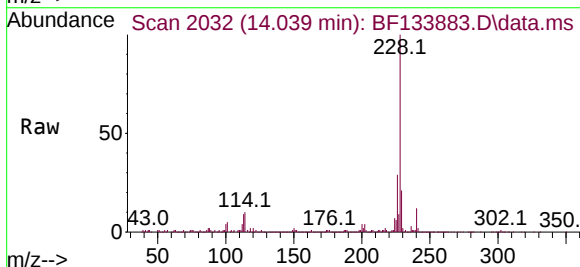


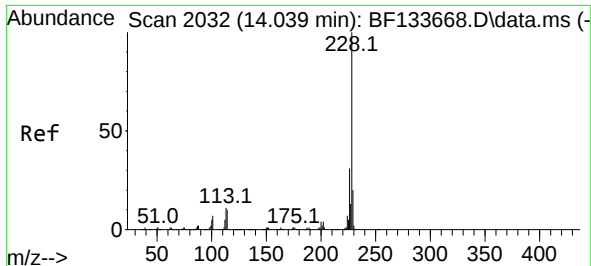
Tgt Ion:244 Resp: 86508
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 8.5 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 21.526 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133883.D
 Acq: 21 Jun 2023 21:42

Tgt Ion:228 Resp: 255690
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.7 32.5
 229 20.7 15.4 23.2

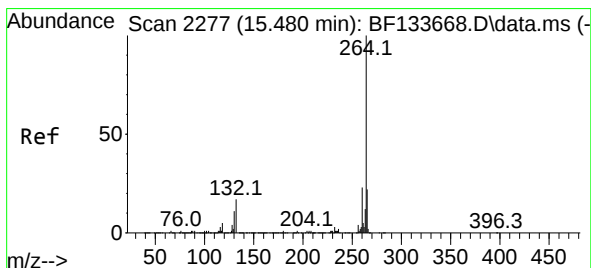
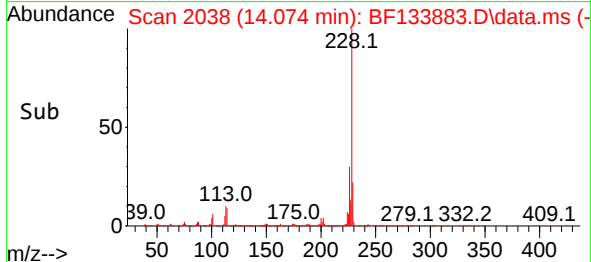
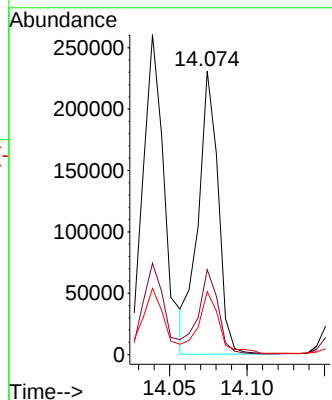
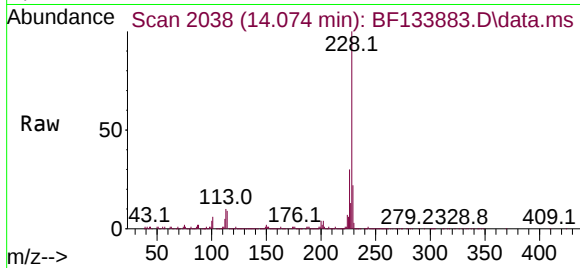




#83
Chrysene
Concen: 18.494 ng
RT: 14.074 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

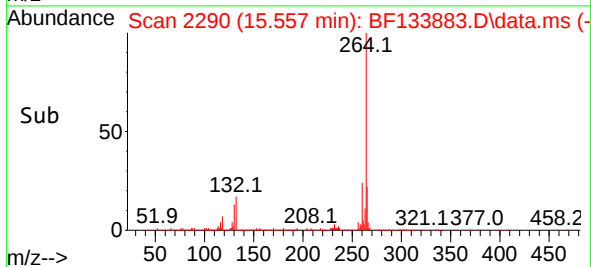
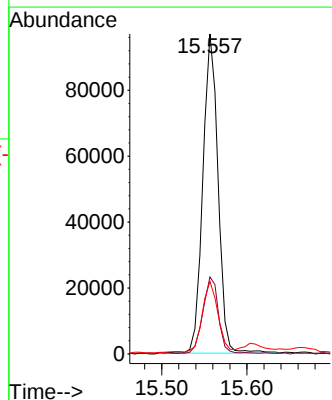
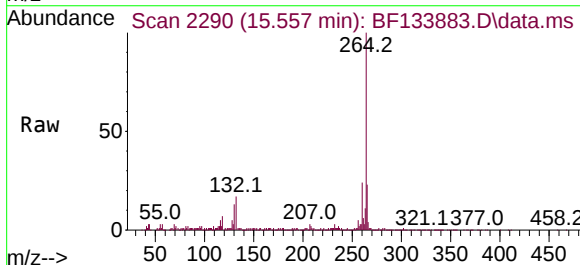
Instrument :
BNA_F
ClientSampleId :

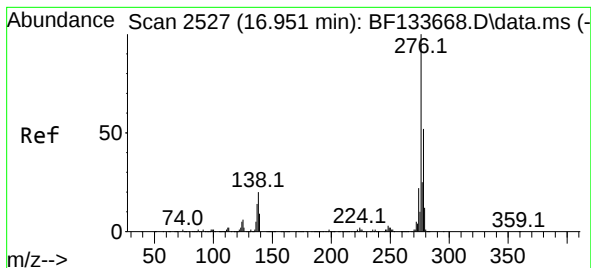
Tgt Ion:228 Resp: 207779
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.2 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

Tgt Ion:264 Resp: 119915
Ion Ratio Lower Upper
264 100
260 24.0 18.2 27.2
265 22.6 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.636 ng

RT: 17.103 min Scan# 2114

Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

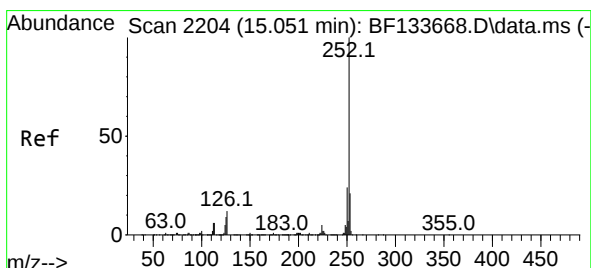
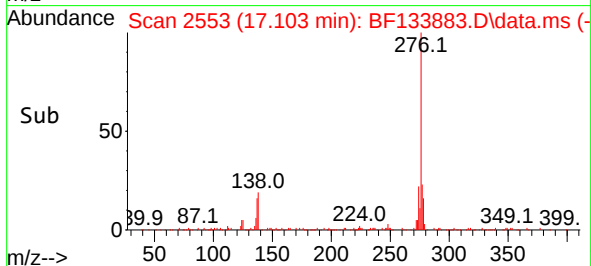
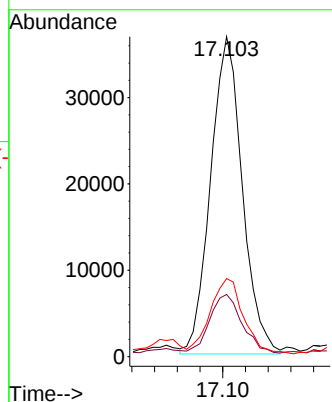
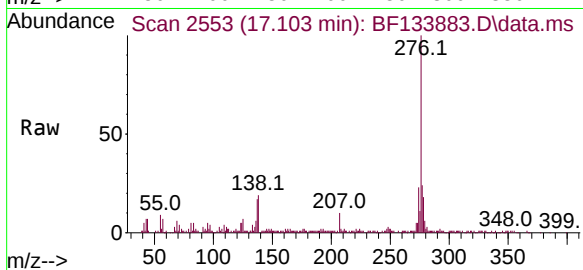
Tgt Ion:276 Resp: 71248

Ion Ratio Lower Upper

276 100

138 19.2 17.9 26.9

277 24.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 33.879 ng

RT: 15.109 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

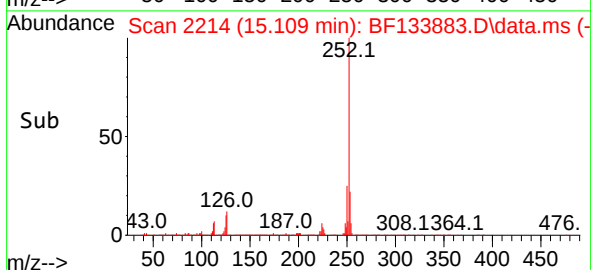
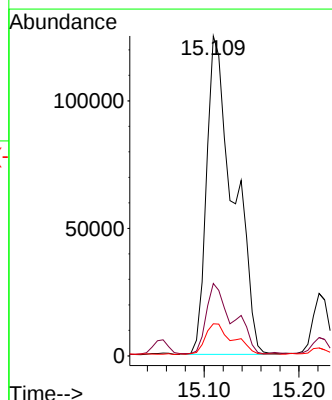
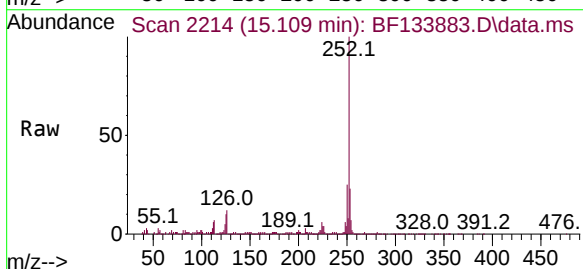
Tgt Ion:252 Resp: 246785

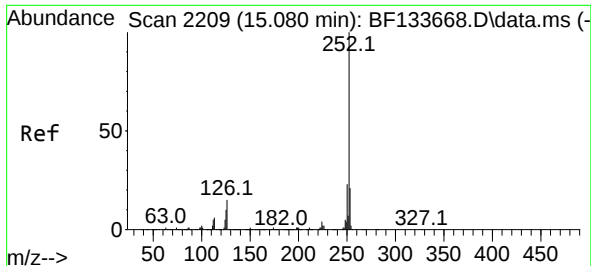
Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 10.0 7.3 10.9

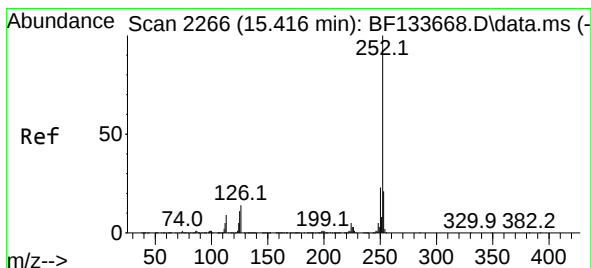
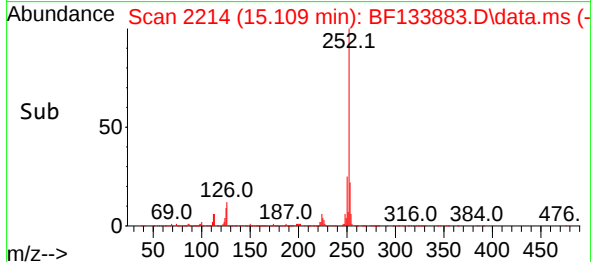
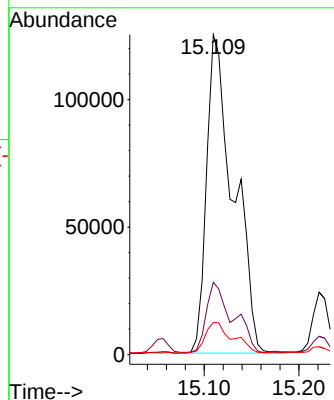
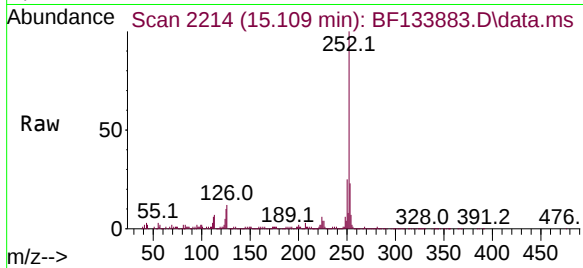




#89
Benzo(k)fluoranthene
Concen: 34.779 ng
RT: 15.109 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

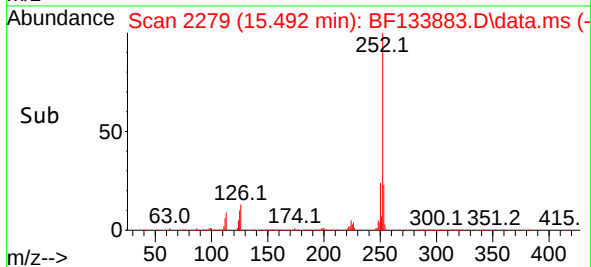
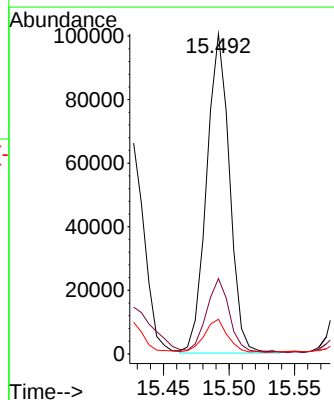
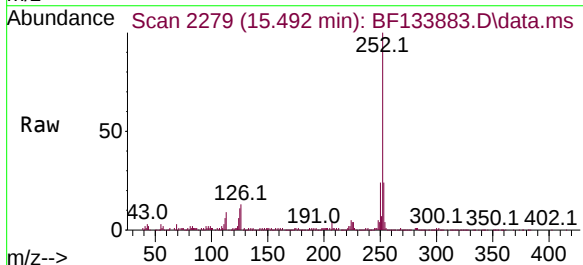
Instrument :
BNA_F
ClientSampleId :

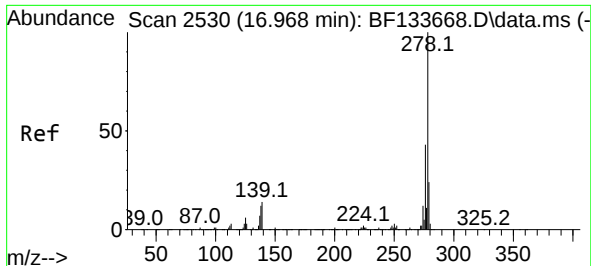
Tgt Ion:252 Resp: 246785
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 10.0 7.8 11.6



#90
Benzo(a)pyrene
Concen: 18.046 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

Tgt Ion:252 Resp: 121998
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 10.8 8.6 13.0

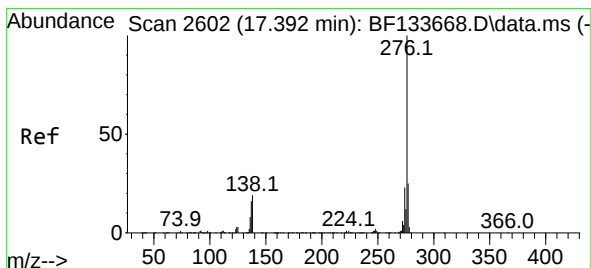
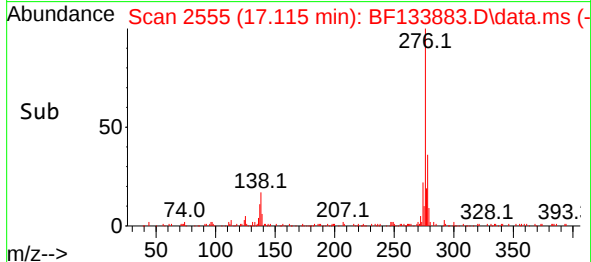
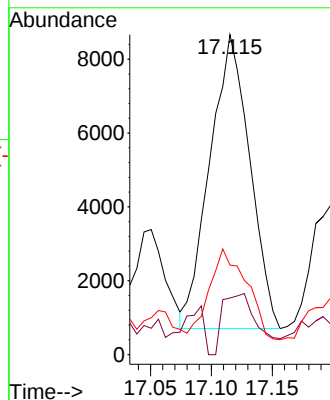
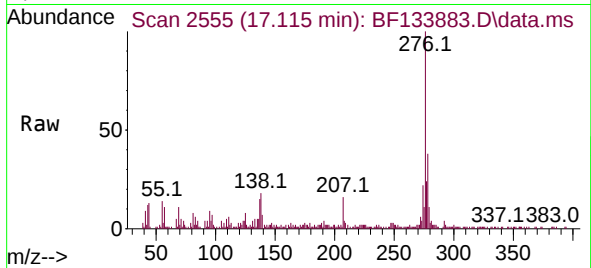




#91
Dibenzo(a,h)anthracene
Concen: 2.660 ng
RT: 17.115 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 18170
Ion Ratio Lower Upper
278 100
139 17.7 11.4 17.2#
279 28.0 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 9.287 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

Tgt Ion:276 Resp: 62891
Ion Ratio Lower Upper
276 100
277 25.2 19.8 29.8
138 20.6 15.0 22.4

