

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133878.D
 Acq On : 21 Jun 2023 19:01
 Operator : CG\JU
 Sample : 03289-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 05:58:32 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)

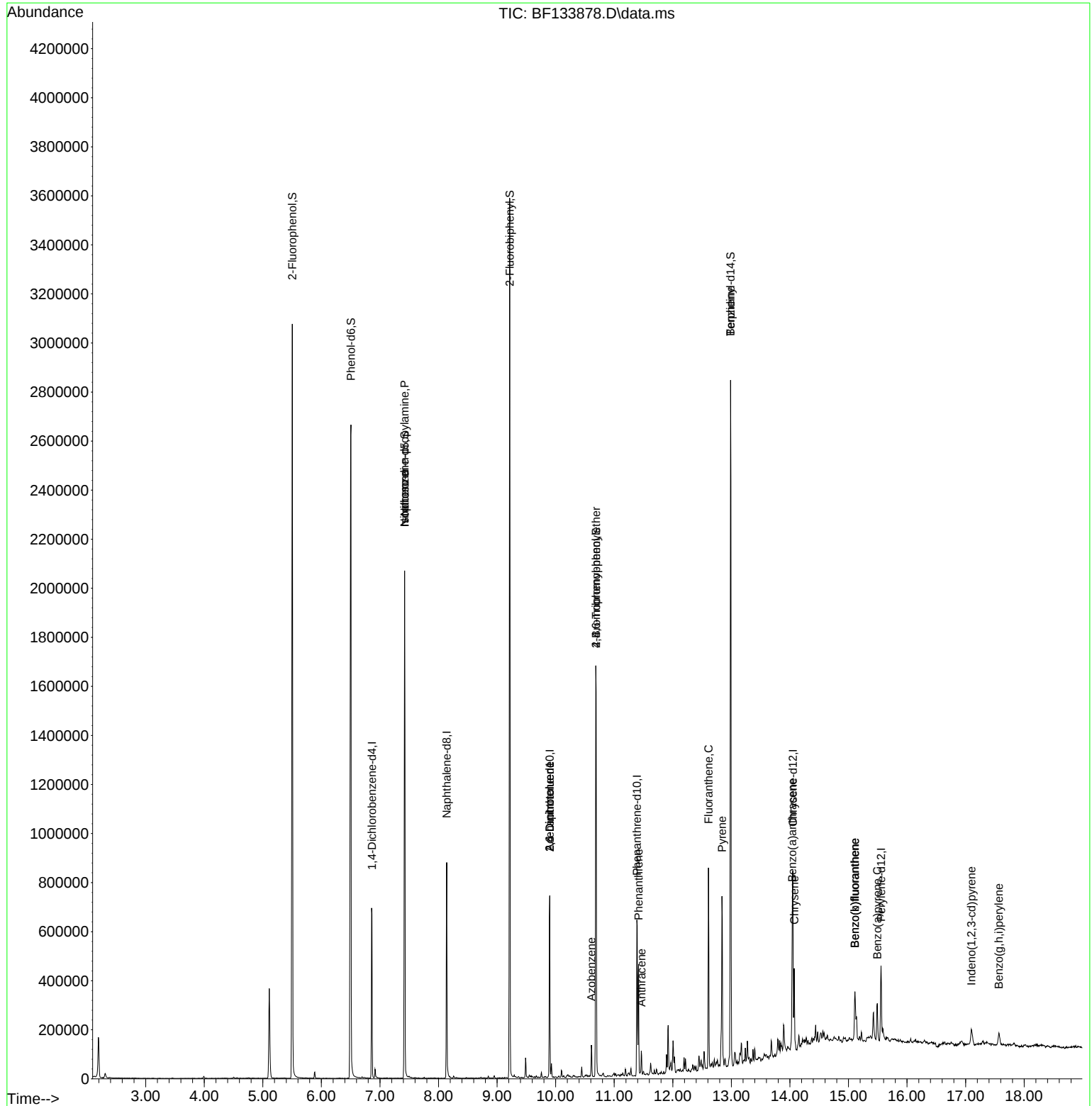
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	103714	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	360921	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	141650	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	252404	20.000	ng	0.00
76) Chrysene-d12	14.051	240	200920	20.000	ng	0.00
86) Perylene-d12	15.556	264	145395	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	797794	133.914	ng	0.02
7) Phenol-d6	6.504	99	941783	121.448	ng	0.01
23) Nitrobenzene-d5	7.422	82	622997	94.017	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	206918	115.401	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	986844	99.034	ng	0.00
79) Terphenyl-d14	12.986	244	998990	76.935	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	88055	17.847	ng	# 80
25) Isophorone	7.422	82	622989	51.210	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	18224	8.351	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	18224	6.566	ng	# 19
63) Azobenzene	10.610	77	21919	2.152	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	12699	4.508	ng	# 1
71) Phenanthrene	11.416	178	163460	12.765	ng	98
72) Anthracene	11.463	178	36431	2.728	ng	99
75) Fluoranthene	12.610	202	312444	22.976	ng	97
77) Benzidine	12.986	184	14284	2.119	ng	# 94
78) Pyrene	12.839	202	295290	15.777	ng	99
81) Benzo(a)anthracene	14.039	228	148063	10.654	ng	96
83) Chrysene	14.074	228	124008	9.434	ng	95
87) Indeno(1,2,3-cd)pyrene	17.098	276	45330	4.532	ng	99
88) Benzo(b)fluoranthene	15.109	252	152162	17.228	ng	98
89) Benzo(k)fluoranthene	15.109	252	152162	17.686	ng	99
90) Benzo(a)pyrene	15.492	252	77903	9.504	ng	99
92) Benzo(g,h,i)perylene	17.568	276	42889	5.224	ng	96

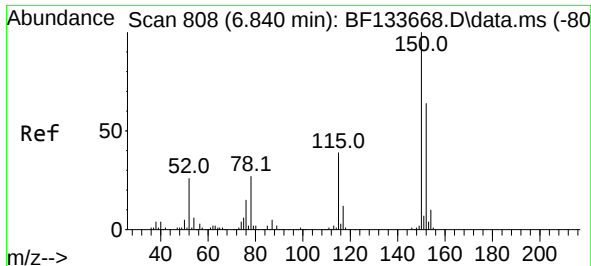
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
Data File : BF133878.D
Acq On : 21 Jun 2023 19:01
Operator : CG\JU
Sample : 03289-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

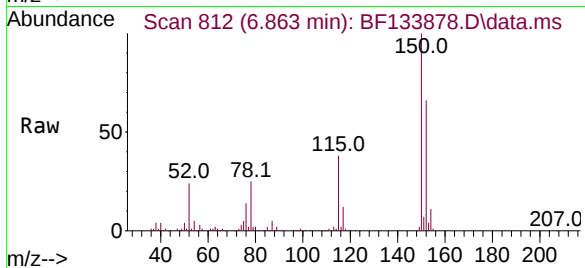
Quant Time: Jun 22 05:58:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
Response via : Initial Calibration



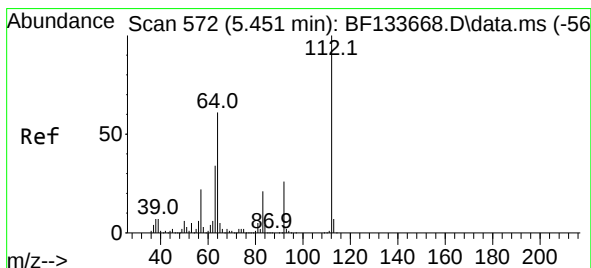
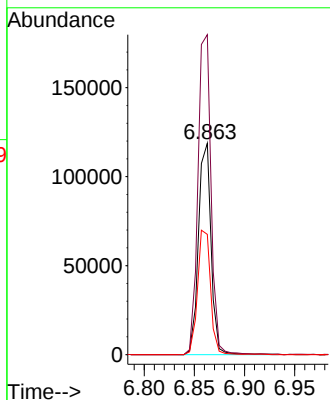
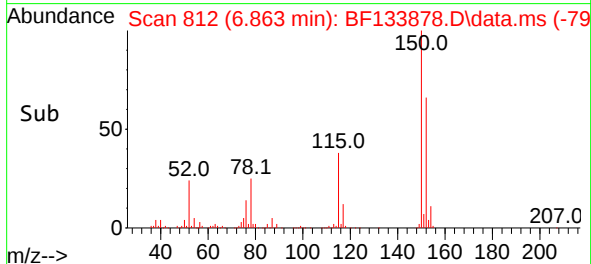


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

Instrument :
BNA_F
ClientSampleId :

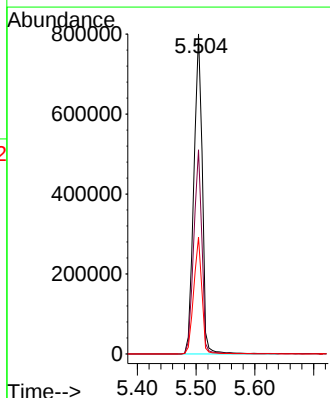
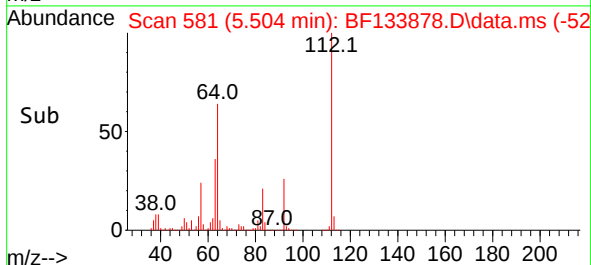
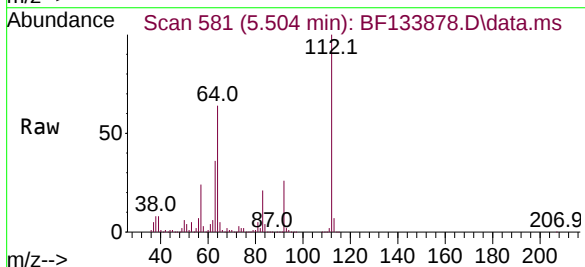


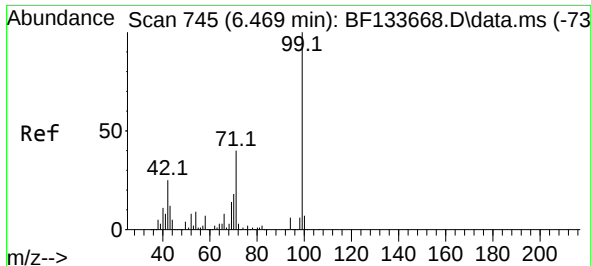
Tgt Ion:152 Resp: 103714
Ion Ratio Lower Upper
152 100
150 151.5 124.3 186.5
115 56.9 48.5 72.7



#5
2-Fluorophenol
Concen: 133.914 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

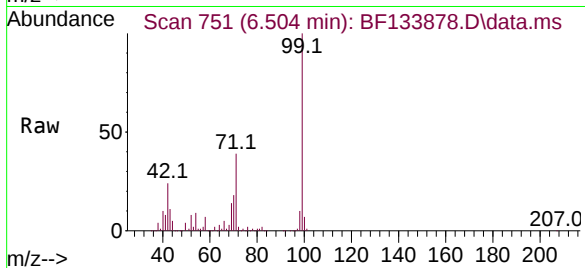
Tgt Ion:112 Resp: 797794
Ion Ratio Lower Upper
112 100
64 63.8 49.0 73.4
63 36.5 26.8 40.2



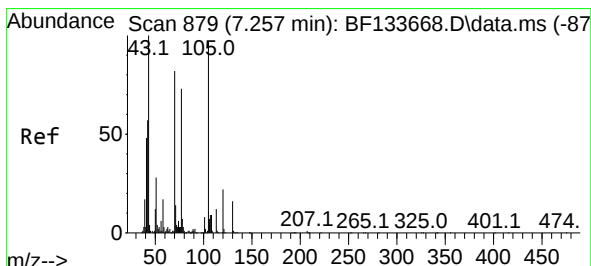
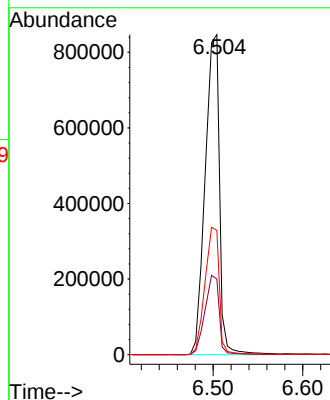
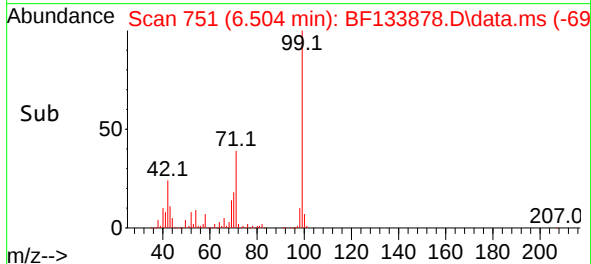


#7
Phenol-d6
Concen: 121.448 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

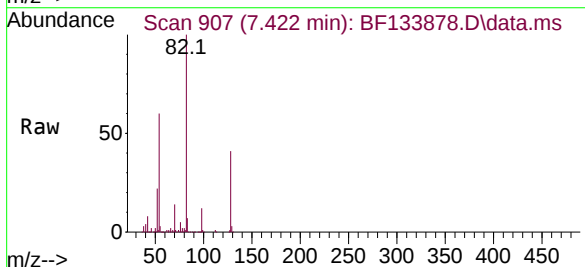
Instrument :
BNA_F
ClientSampleId :



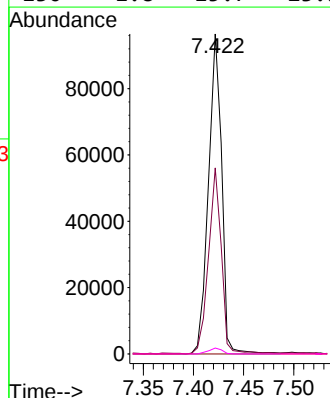
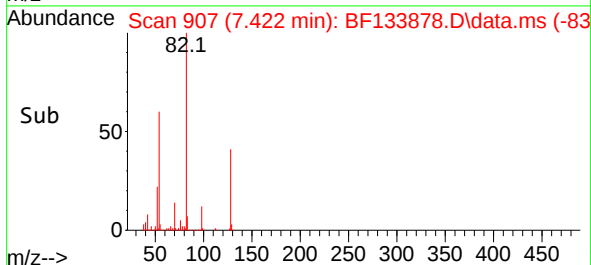
Tgt Ion: 99 Resp: 941783
Ion Ratio Lower Upper
99 100
42 23.6 19.9 29.9
71 38.8 32.2 48.4

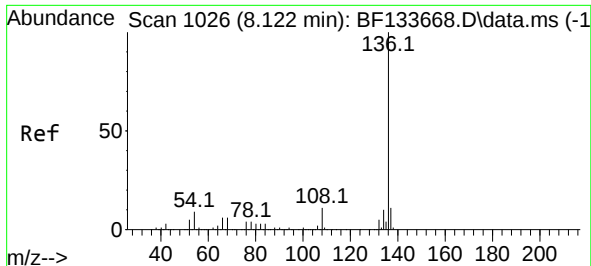


#19
n-Nitroso-di-n-propylamine
Concen: 17.847 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01



Tgt Ion: 70 Resp: 88055
Ion Ratio Lower Upper
70 100
42 58.1 55.8 83.8
101 0.0 8.1 12.1#
130 1.8 15.7 23.5#

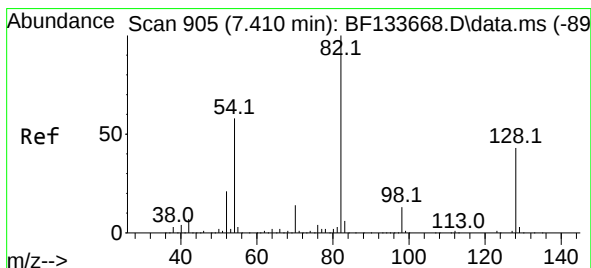
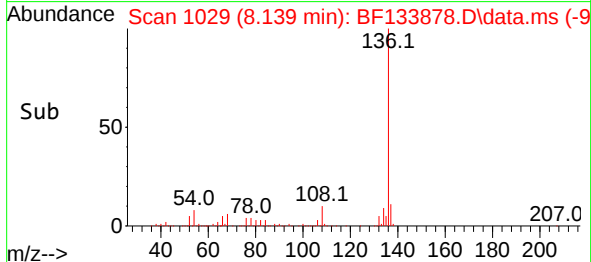
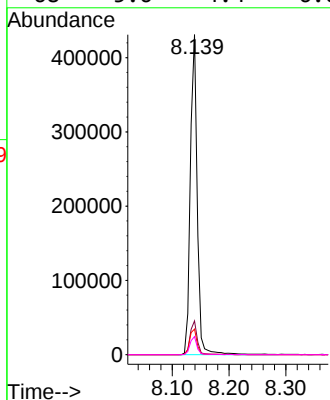
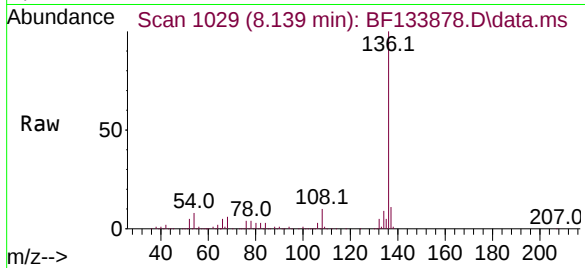




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

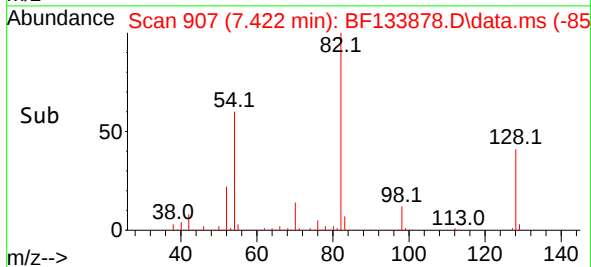
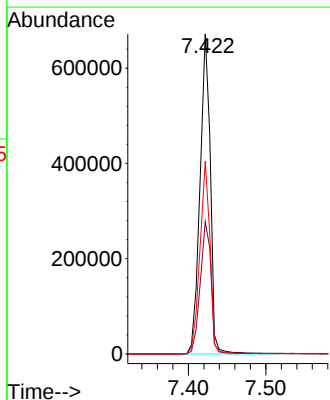
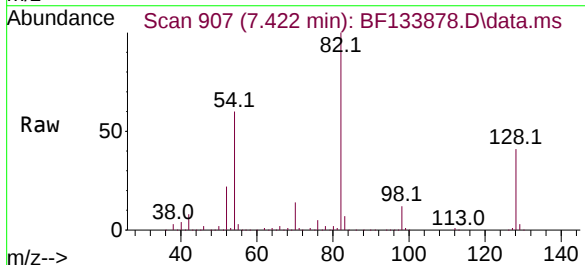
Instrument :
BNA_F
ClientSampleId :

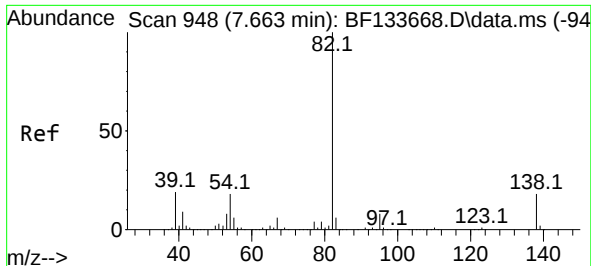
Tgt Ion:136 Resp: 360921
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.0 7.4 11.0
68 5.6 4.4 6.6



#23
Nitrobenzene-d5
Concen: 94.017 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

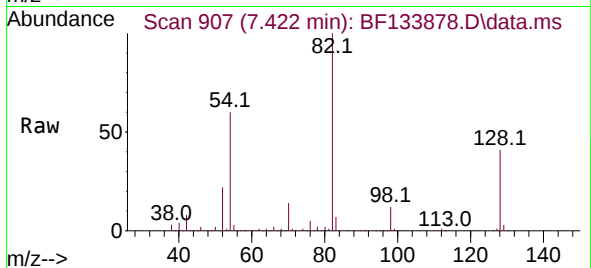
Tgt Ion: 82 Resp: 622997
Ion Ratio Lower Upper
82 100
128 41.3 34.2 51.2
54 60.2 46.5 69.7



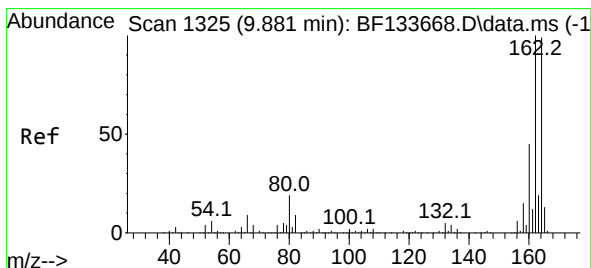
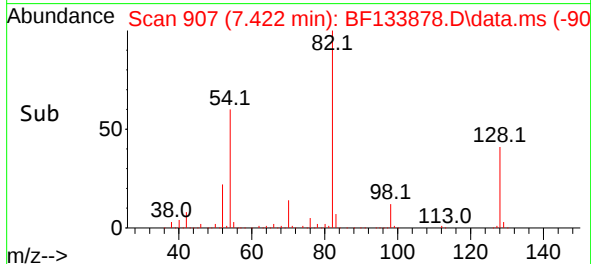
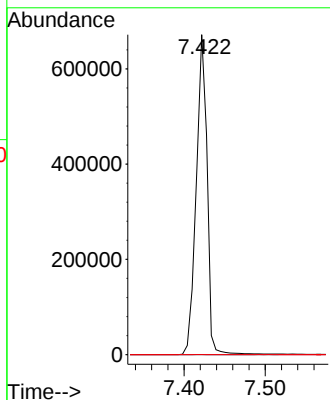


#25
Isophorone
Concen: 51.210 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

Instrument :
BNA_F
ClientSampleId :

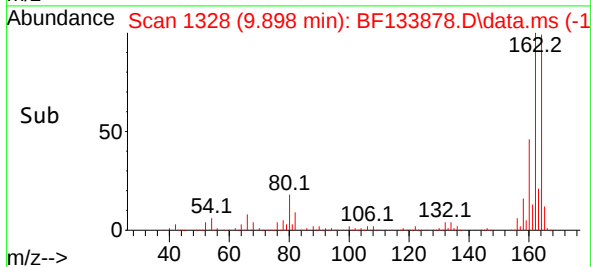
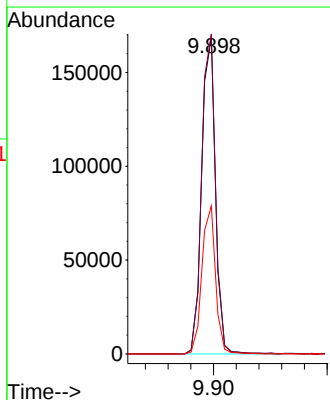
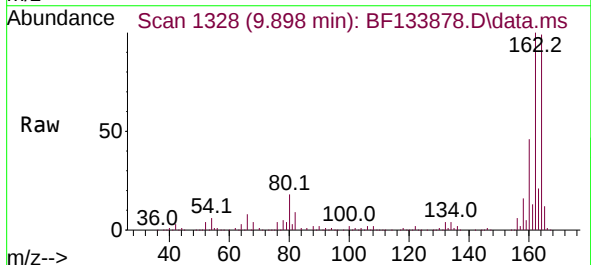


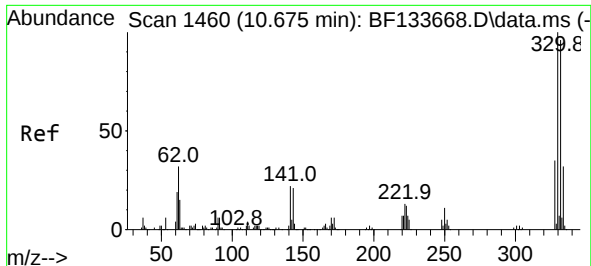
Tgt Ion: 82 Resp: 622989
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

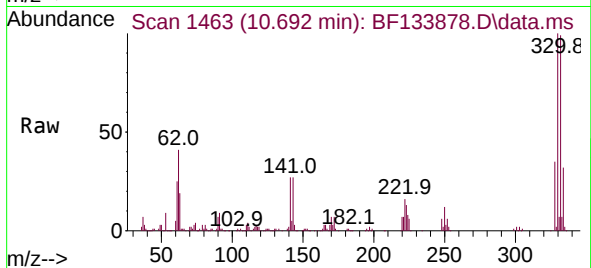
Tgt Ion: 164 Resp: 141650
Ion Ratio Lower Upper
164 100
162 101.1 80.8 121.2
160 46.7 36.7 55.1



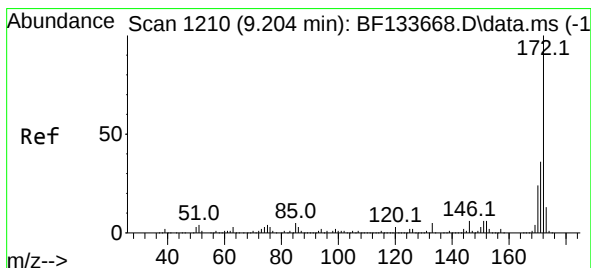
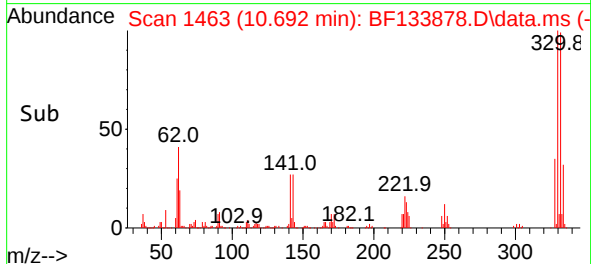
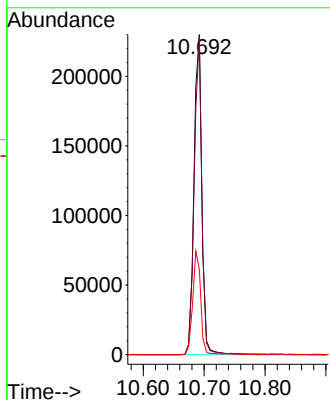


#42
2,4,6-Tribromophenol
Concen: 115.401 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

Instrument :
BNA_F
ClientSampleId :

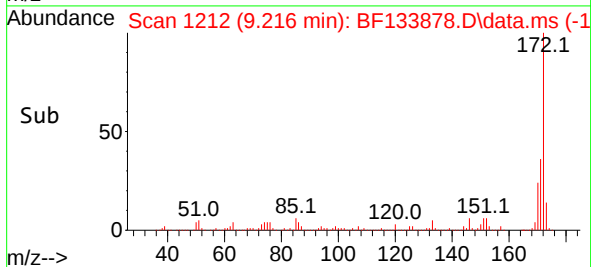
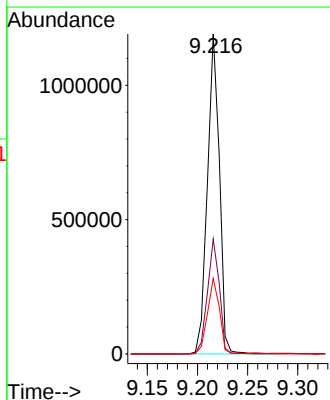
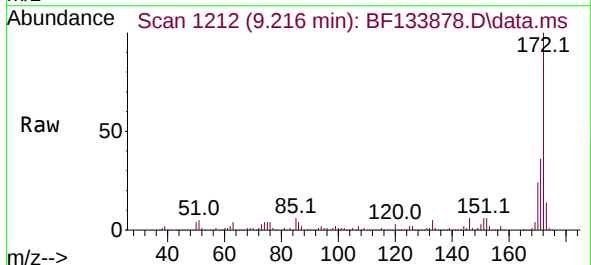


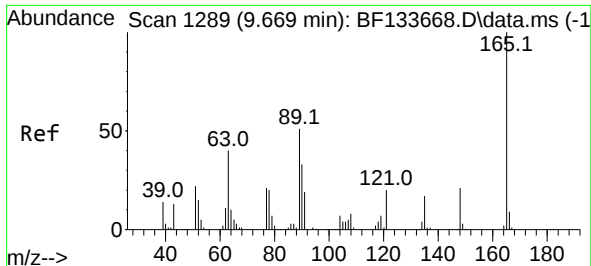
Tgt Ion:330 Resp: 206918
Ion Ratio Lower Upper
330 100
332 96.3 77.2 115.8
141 33.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 99.034 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

Tgt Ion:172 Resp: 986844
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.6 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.351 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.218 min

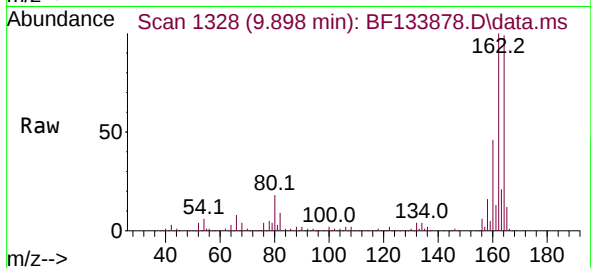
Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :



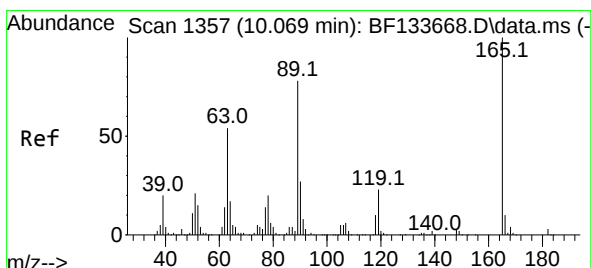
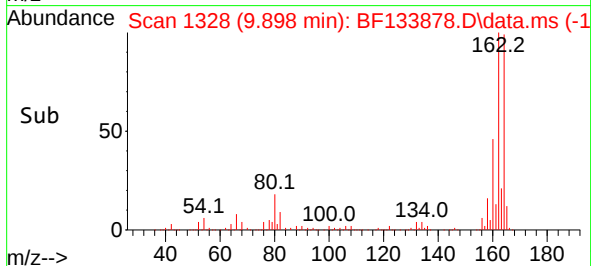
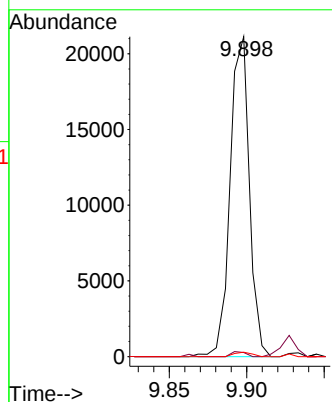
Tgt Ion:165 Resp: 18224

Ion Ratio Lower Upper

165 100

63 1.3 42.1 63.1#

89 1.4 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.566 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.188 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Tgt Ion:165 Resp: 18224

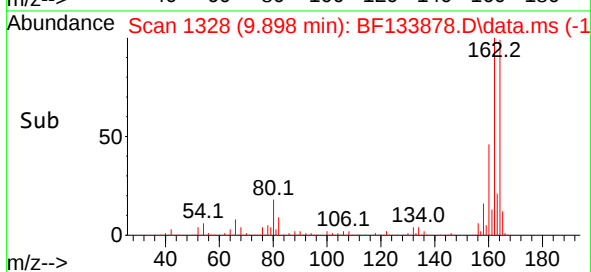
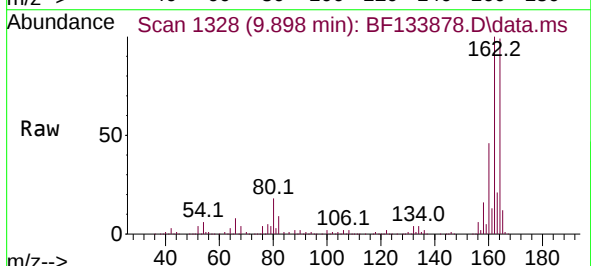
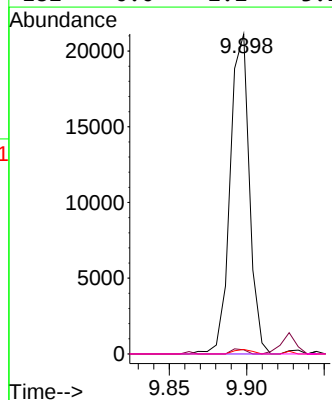
Ion Ratio Lower Upper

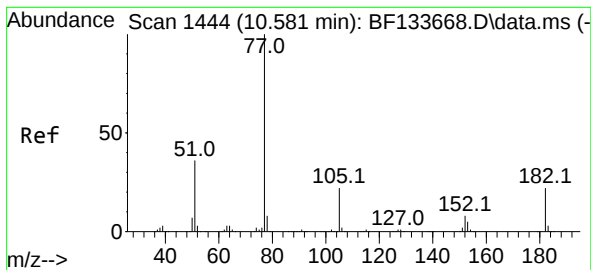
165 100

63 1.3 43.0 64.6#

89 1.4 62.6 93.8#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.152 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.012 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 21919

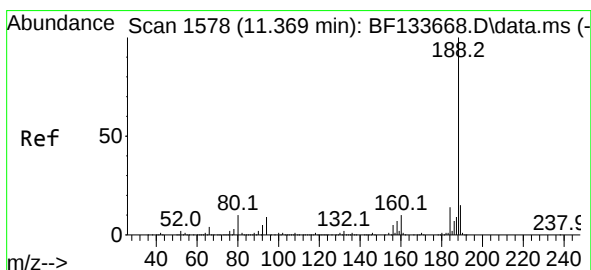
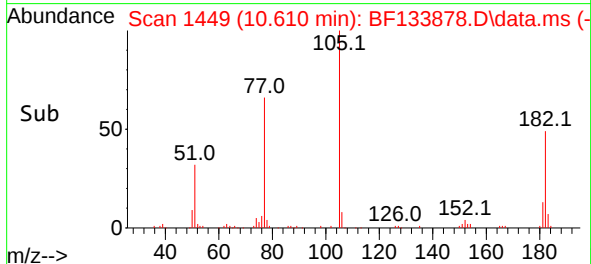
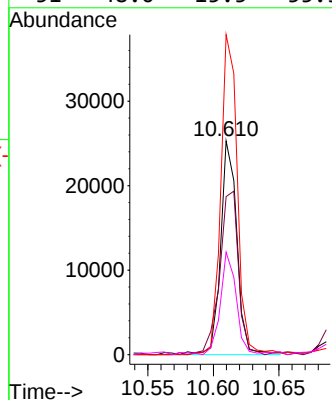
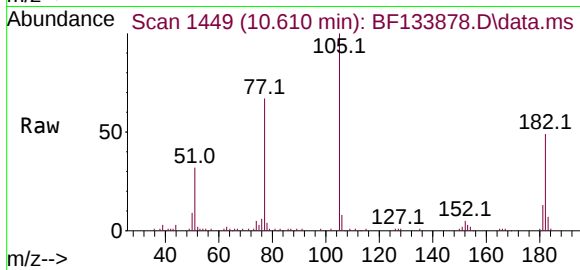
Ion Ratio Lower Upper

77 100

182 73.9 1.6 41.6#

105 149.7 1.6 41.6#

51 48.0 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

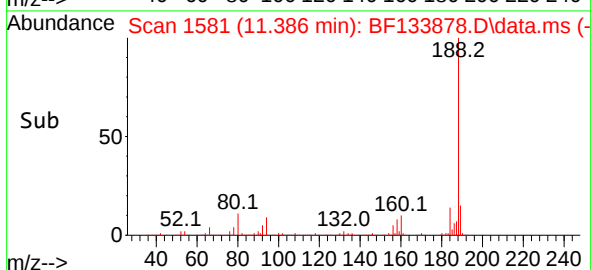
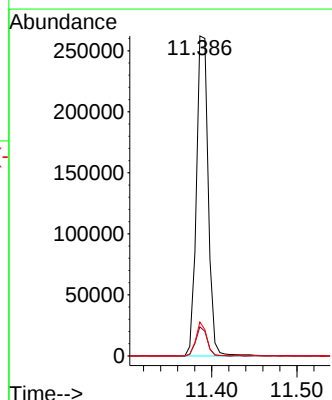
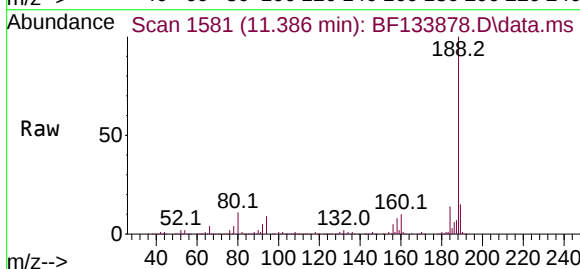
Tgt Ion:188 Resp: 252404

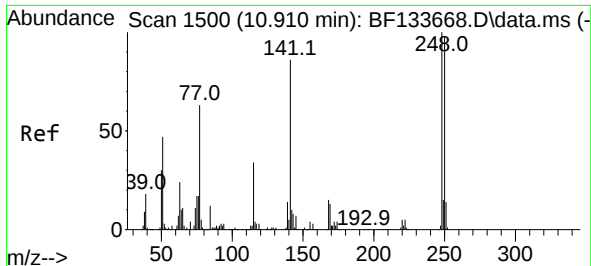
Ion Ratio Lower Upper

188 100

94 9.1 6.8 10.2

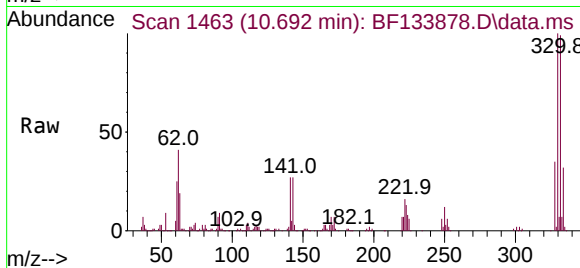
80 10.6 7.8 11.6



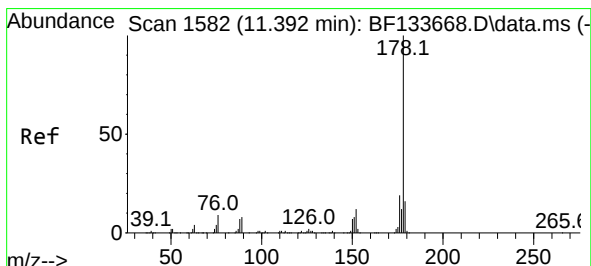
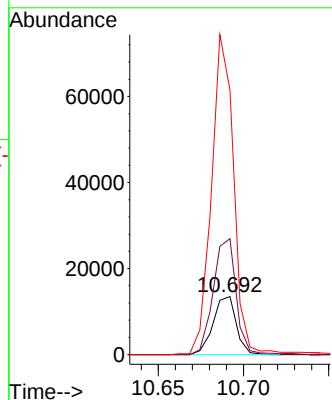
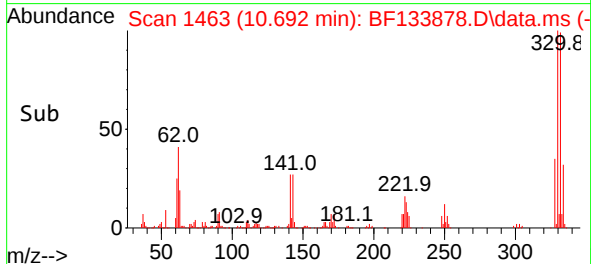


#67
4-Bromophenyl-phenylether
Concen: 4.508 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

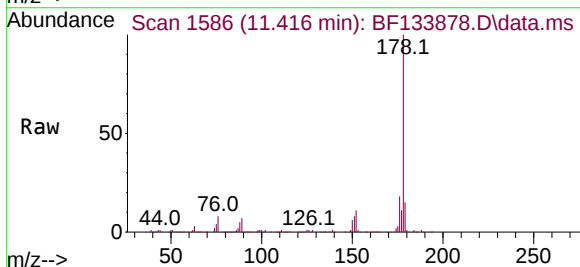
Instrument :
BNA_F
ClientSampleId :



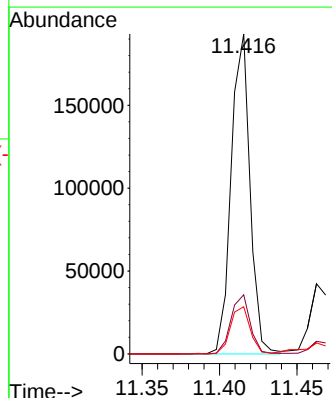
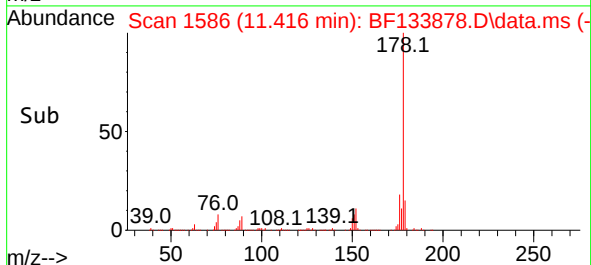
Tgt Ion:248 Resp: 12699
Ion Ratio Lower Upper
248 100
250 199.9 78.3 117.5#
141 456.3 69.0 103.6#

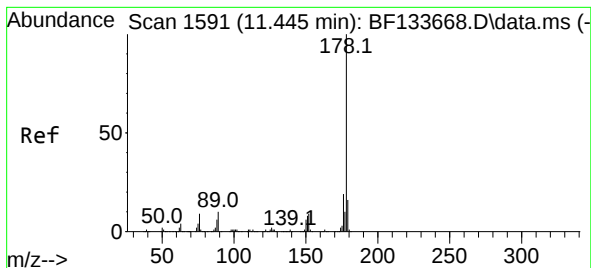


#71
Phenanthrene
Concen: 12.765 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01



Tgt Ion:178 Resp: 163460
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 14.7 12.4 18.6





#72

Anthracene

Concen: 2.728 ng

RT: 11.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :

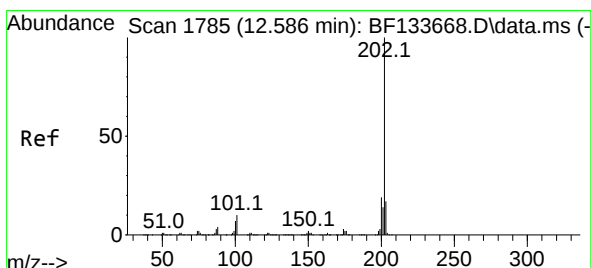
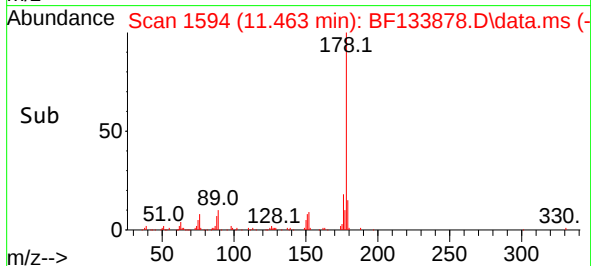
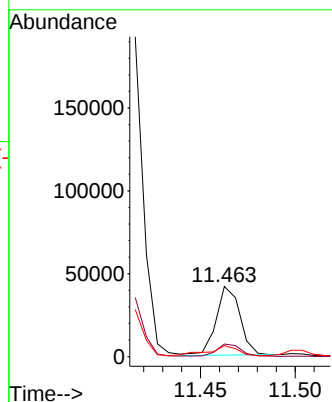
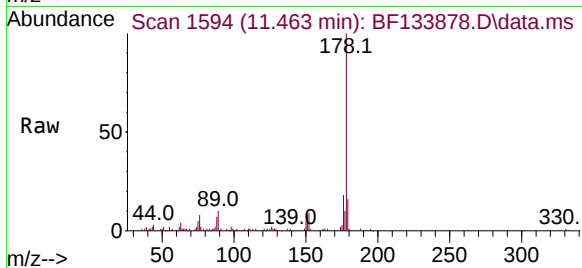
Tgt Ion:178 Resp: 36431

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 15.6 12.6 18.8



#75

Fluoranthene

Concen: 22.976 ng

RT: 12.610 min Scan# 1789

Delta R.T. -0.000 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

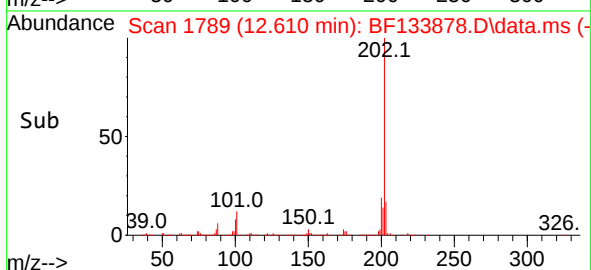
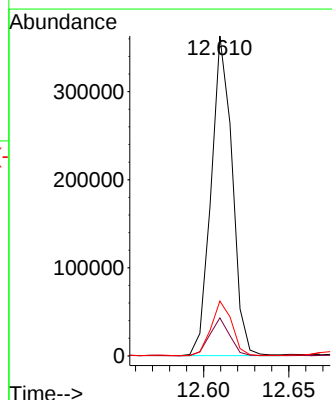
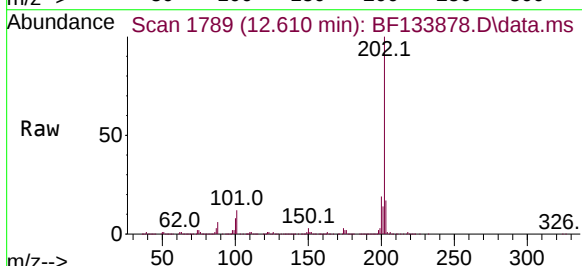
Tgt Ion:202 Resp: 312444

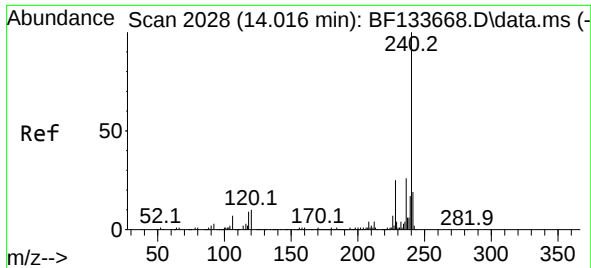
Ion Ratio Lower Upper

202 100

101 11.9 0.0 29.6

203 17.1 0.0 37.4

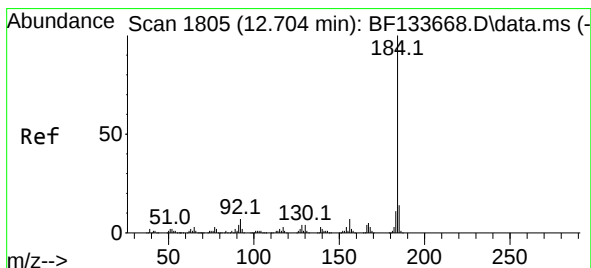
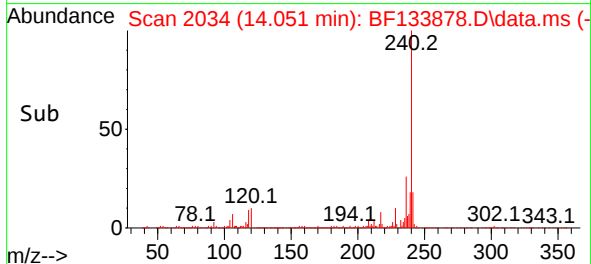
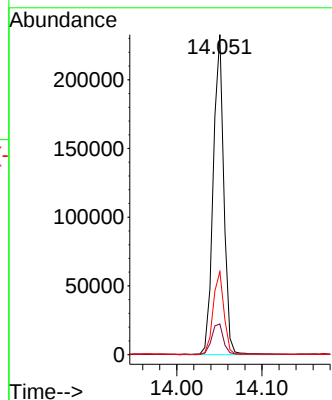
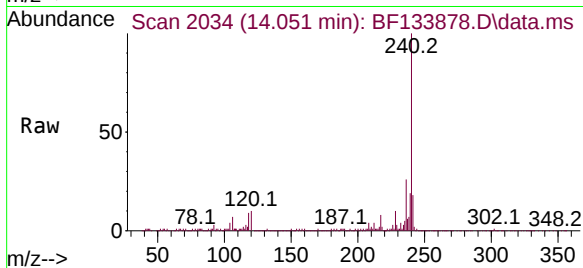




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

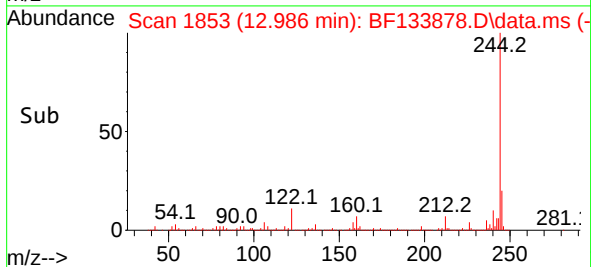
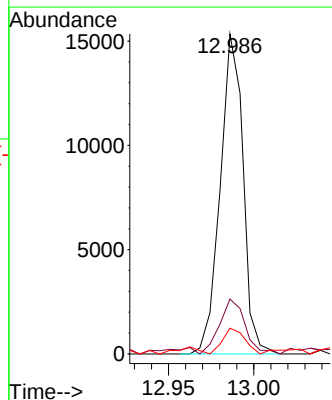
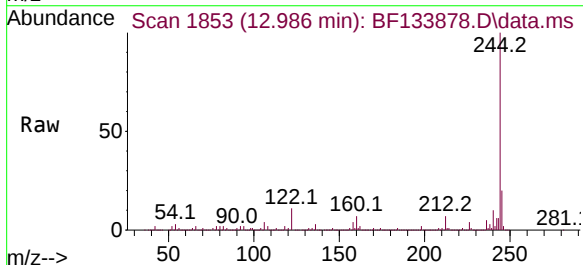
Instrument :
BNA_F
ClientSampleId :

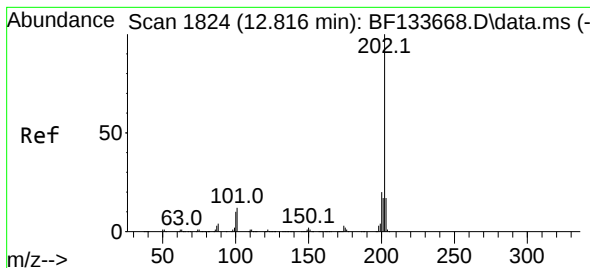
Tgt Ion:240 Resp: 200920
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 25.9 20.5 30.7



#77
Benzidine
Concen: 2.119 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.253 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

Tgt Ion:184 Resp: 14284
Ion Ratio Lower Upper
184 100
185 17.1 11.6 17.4
183 8.0 8.4 12.6#





#78

Pyrene

Concen: 15.777 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF133878.D

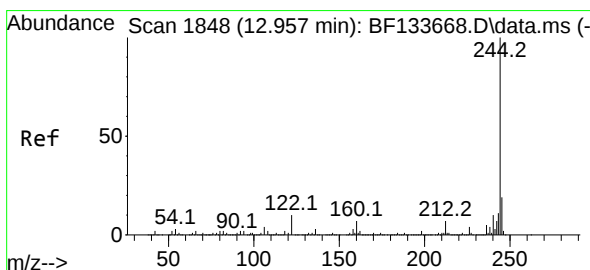
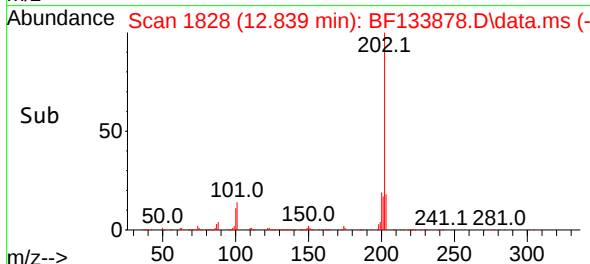
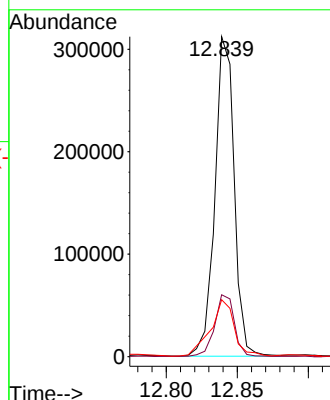
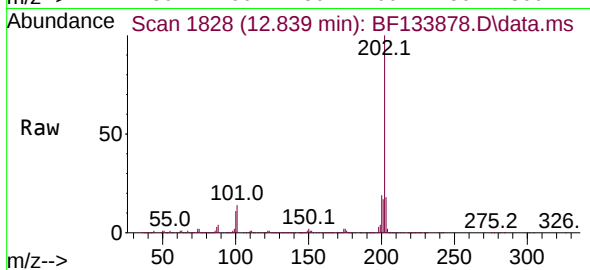
Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	202	Resp:	295290
Ion Ratio	Lower	Upper	
202	100		
200	19.3	16.2	24.2
203	17.8	13.9	20.9



#79

Terphenyl-d14

Concen: 76.935 ng

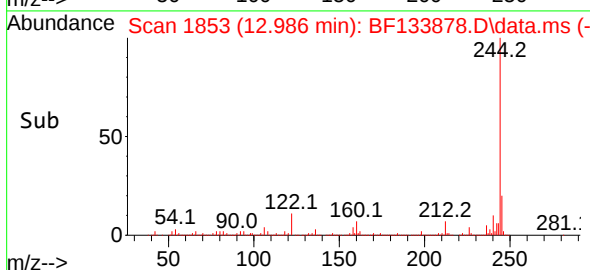
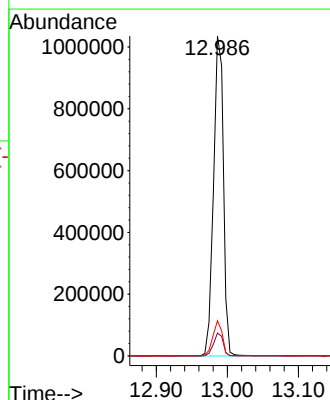
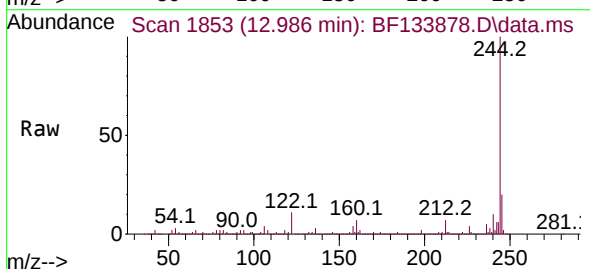
RT: 12.986 min Scan# 1853

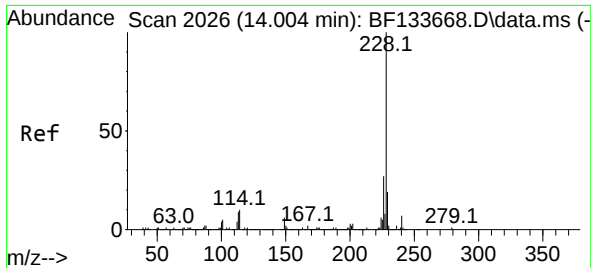
Delta R.T. -0.000 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Tgt Ion:	244	Resp:	998990
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.2
122	11.0	8.1	12.1

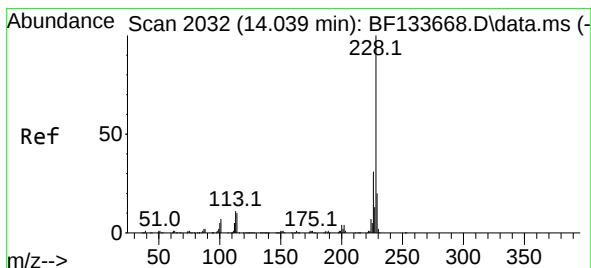
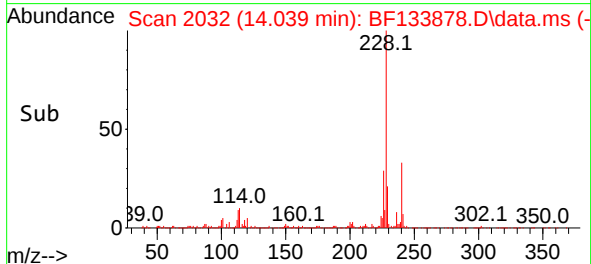
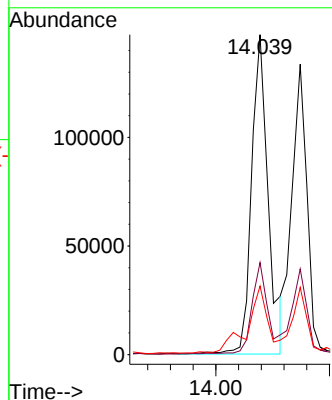
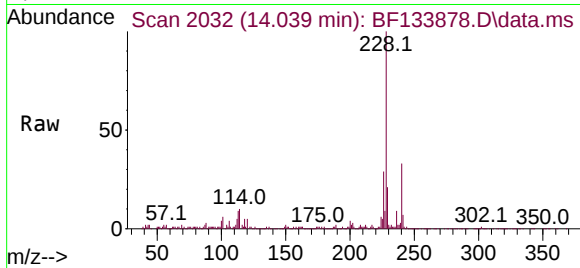




#81
Benzo(a)anthracene
Concen: 10.654 ng
RT: 14.039 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

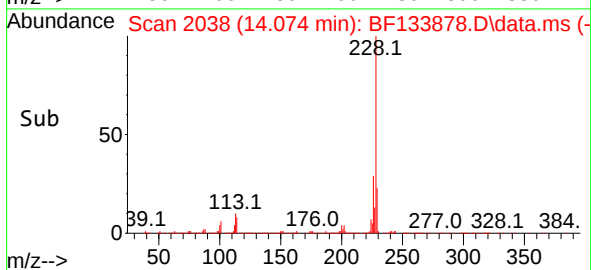
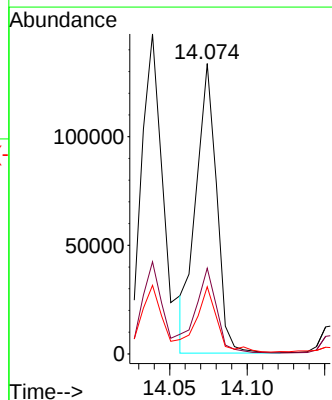
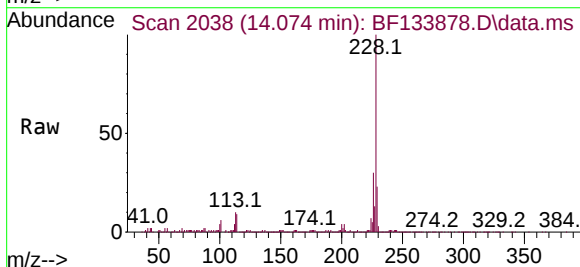
Instrument :
BNA_F
ClientSampleId :

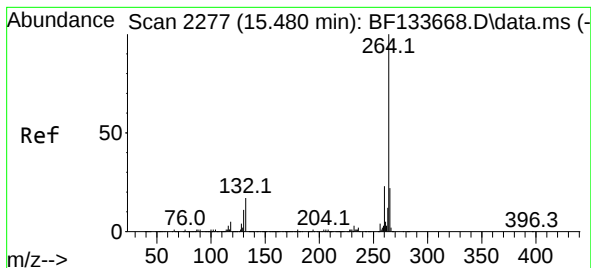
Tgt Ion:228 Resp: 148063
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 21.4 15.4 23.2



#83
Chrysene
Concen: 9.434 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

Tgt Ion:228 Resp: 124008
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 23.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :

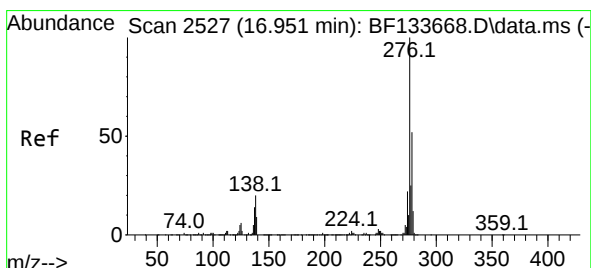
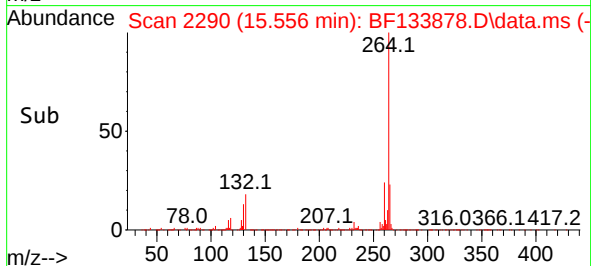
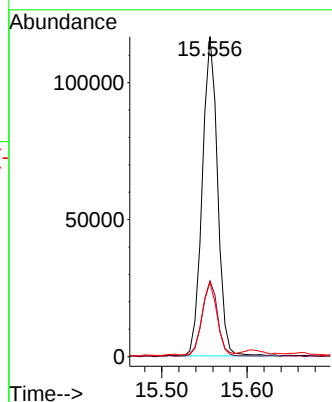
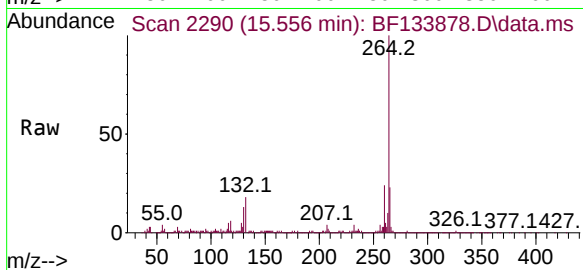
Tgt Ion:264 Resp: 145395

Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.2

265 23.2 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.532 ng

RT: 17.098 min Scan# 2552

Delta R.T. -0.000 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

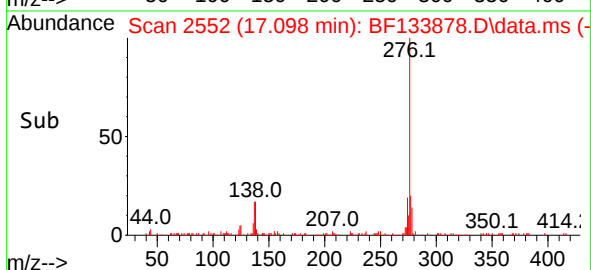
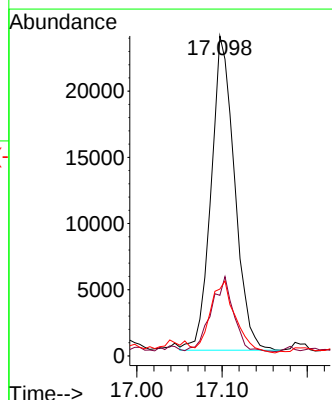
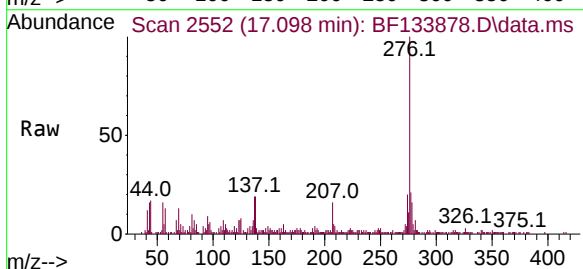
Tgt Ion:276 Resp: 45330

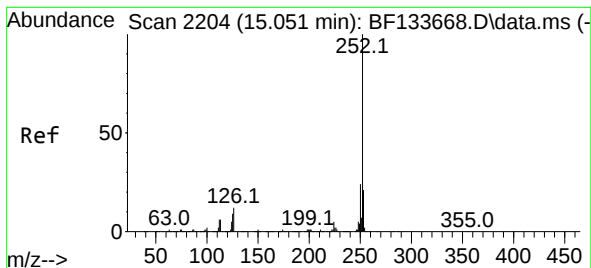
Ion Ratio Lower Upper

276 100

138 22.8 17.9 26.9

277 24.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 17.228 ng

RT: 15.109 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :

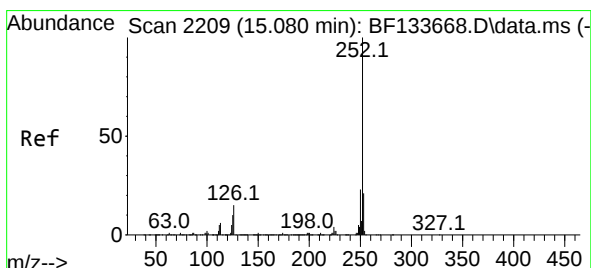
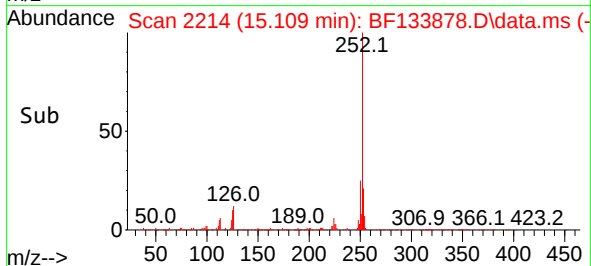
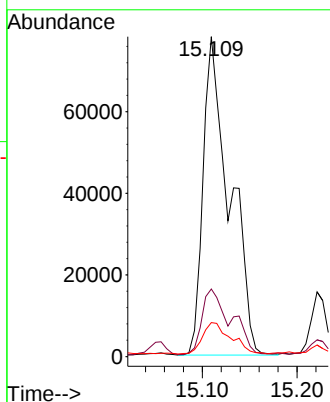
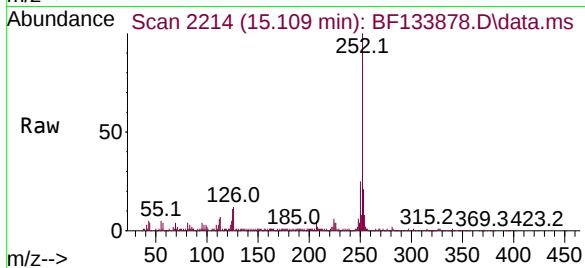
Tgt Ion:252 Resp: 152162

Ion Ratio Lower Upper

252 100

253 21.1 17.0 25.6

125 10.6 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 17.686 ng

RT: 15.109 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

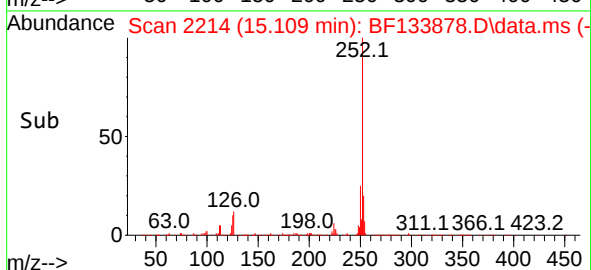
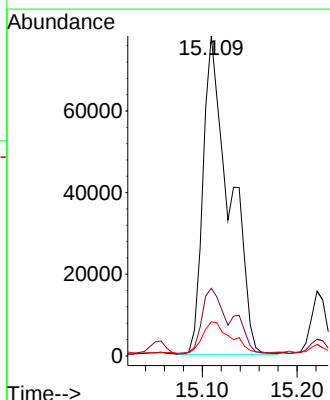
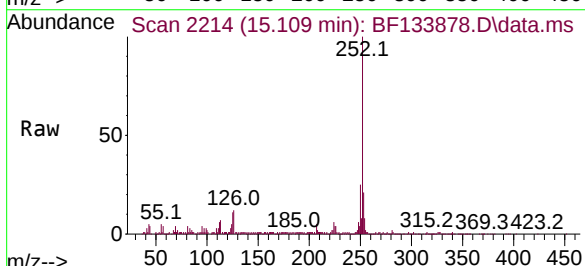
Tgt Ion:252 Resp: 152162

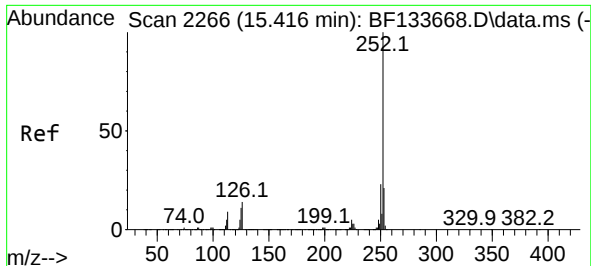
Ion Ratio Lower Upper

252 100

253 21.1 17.0 25.4

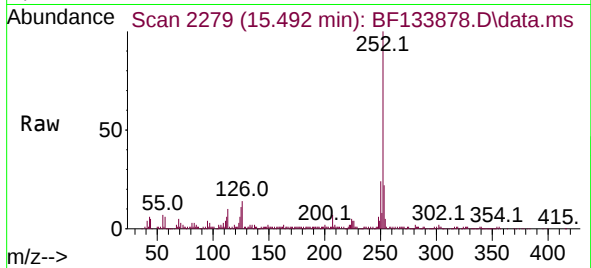
125 10.6 7.8 11.6



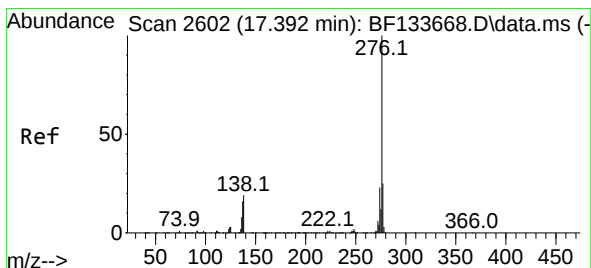
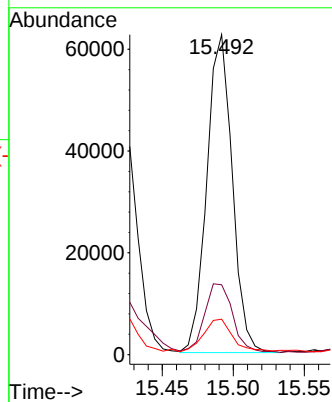
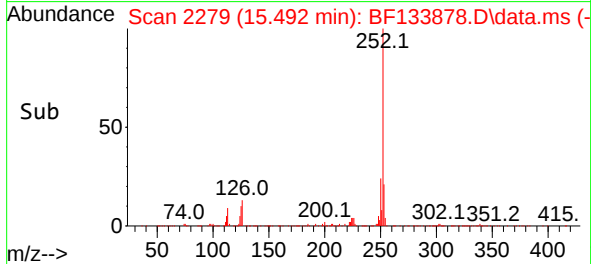


#90
Benzo(a)pyrene
Concen: 9.504 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:252 Resp: 77903
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 11.1 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 5.224 ng
RT: 17.568 min Scan# 2632
Delta R.T. -0.006 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

Tgt Ion:276 Resp: 42889
Ion Ratio Lower Upper
276 100
277 28.1 19.8 29.8
138 18.8 15.0 22.4

