

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 :
 SB-05-12.0-14.0

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)

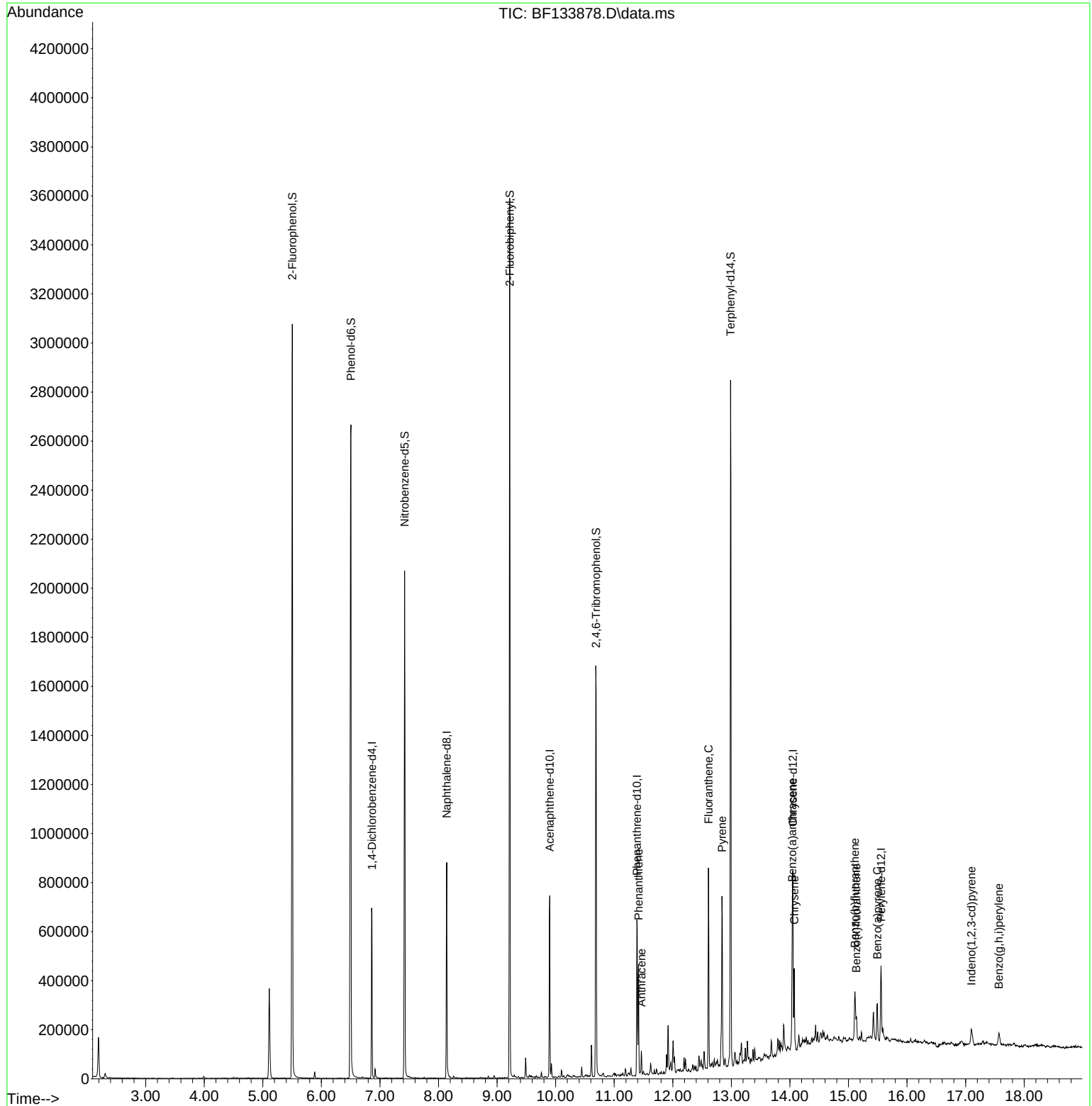
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	103714	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	360921	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	141650	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	252404	20.000	ng	0.00
76) Chrysene-d12	14.051	240	200920	20.000	ng	0.00
86) Perylene-d12	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
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
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	112643m	12.754	ng	
89) Benzo(k)fluoranthene	15.133	252	41432m	4.816	ng	
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

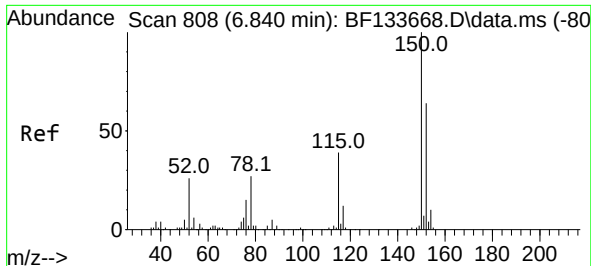
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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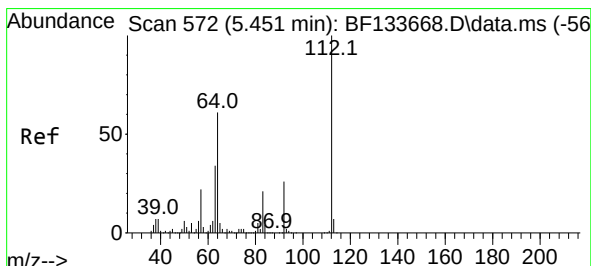
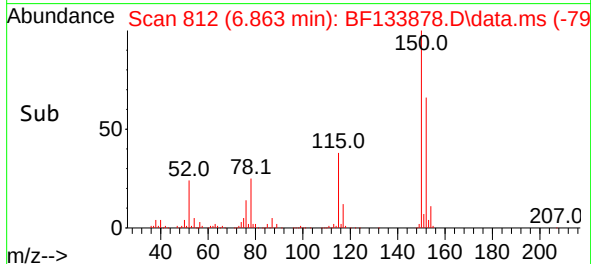
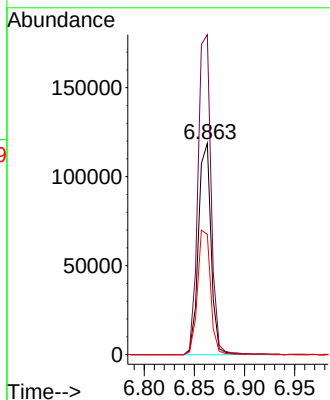
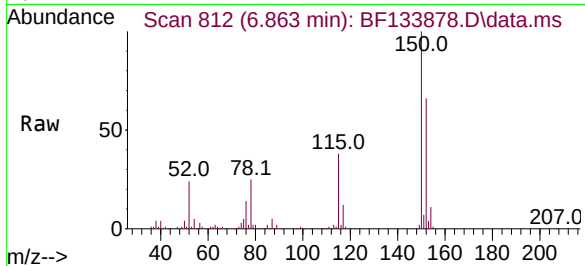




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

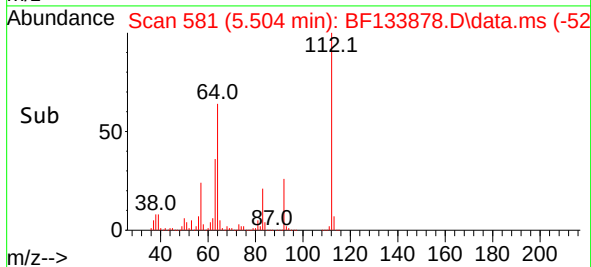
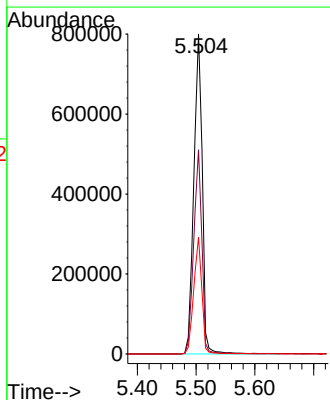
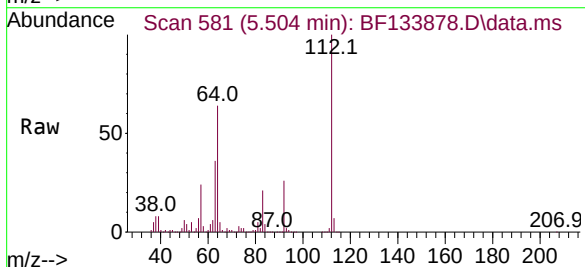
Instrument :
BNA_F
ClientSampleId :
SB-05-12.0-14.0

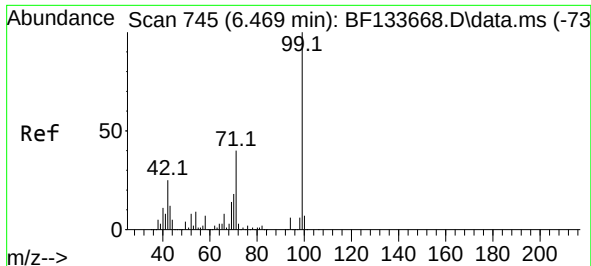
Tgt Ion:152 Resp: 103714
Ion Ratio Lower Upper
152 100
150 151.5 124.3 186.5
115 56.9 48.5 72.7



#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

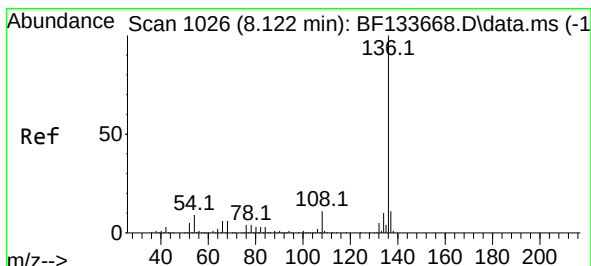
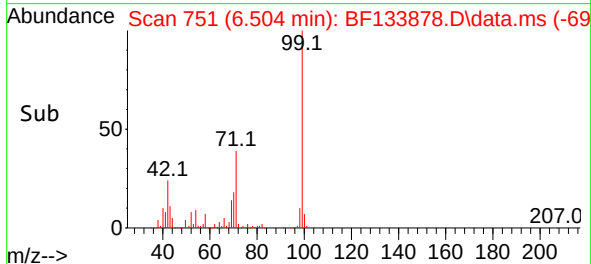
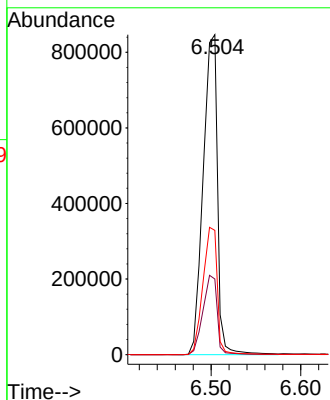
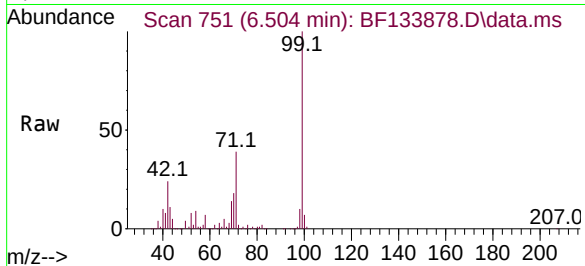




#7
Phenol-d6
Concen: 121.448 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

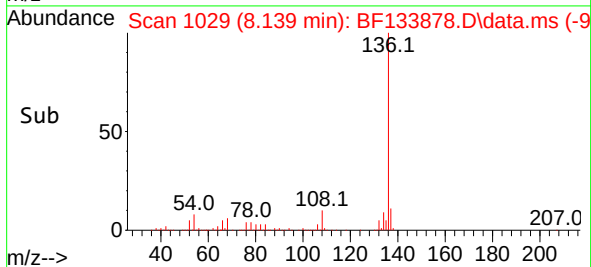
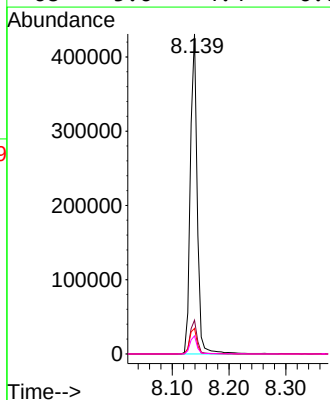
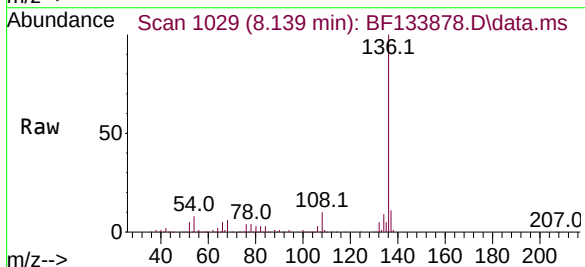
Instrument :
BNA_F
ClientSampleId :
SB-05-12.0-14.0

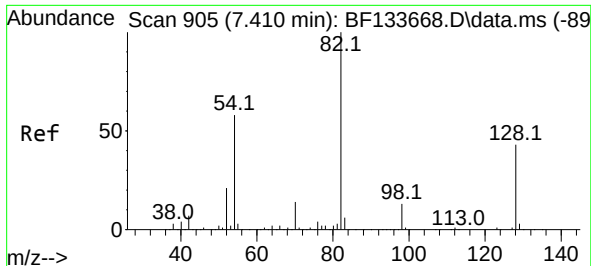
Tgt Ion: 99 Resp: 941783
Ion Ratio Lower Upper
99 100
42 23.6 19.9 29.9
71 38.8 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

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# 90

Delta R.T. -0.000 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :

SB-05-12.0-14.0

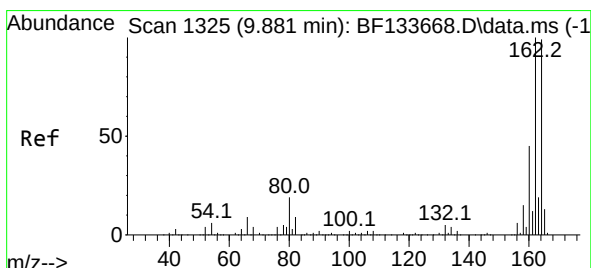
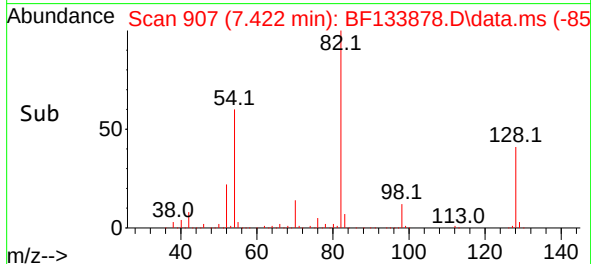
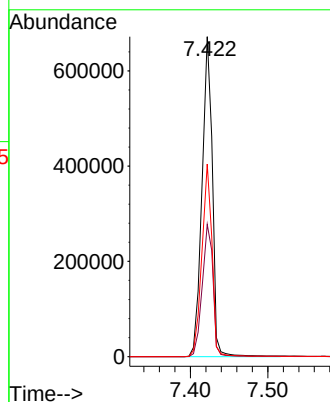
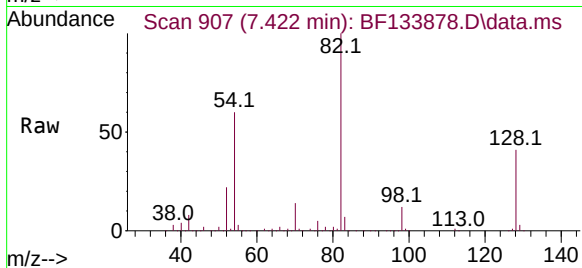
Tgt Ion: 82 Resp: 622997

Ion Ratio Lower Upper

82 100

128 41.3 34.2 51.2

54 60.2 46.5 69.7



#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

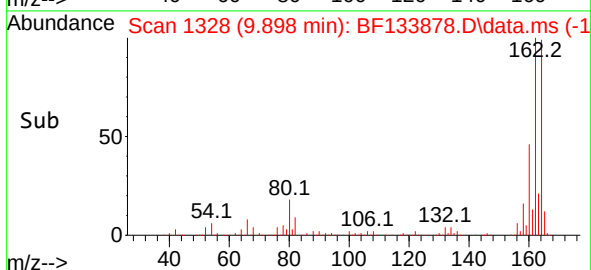
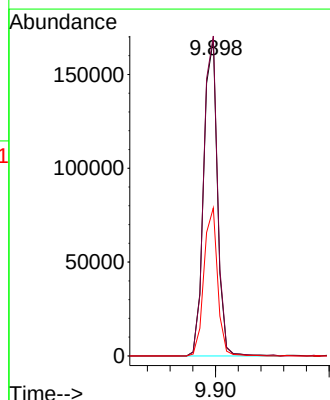
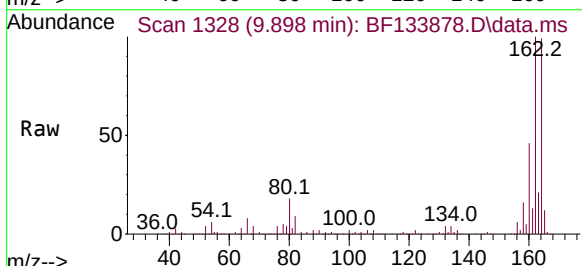
Tgt Ion:164 Resp: 141650

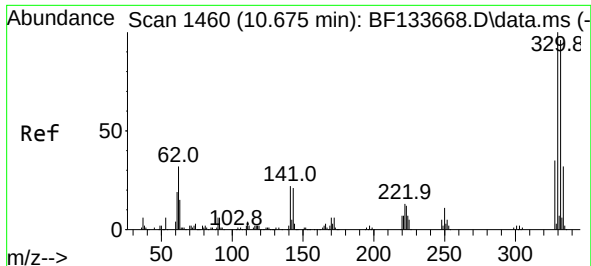
Ion Ratio Lower Upper

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 :

SB-05-12.0-14.0

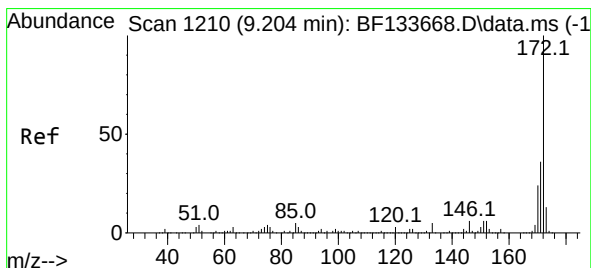
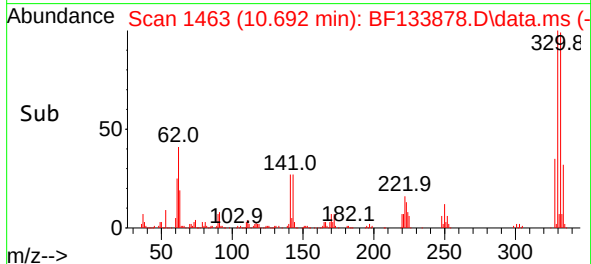
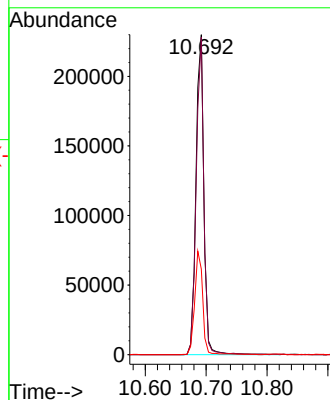
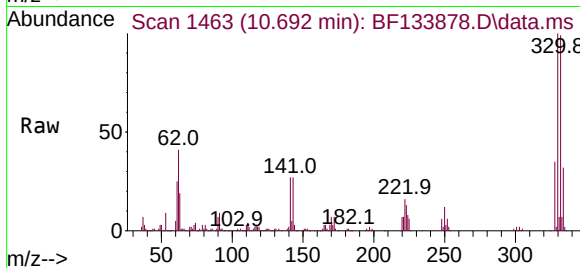
Tgt Ion:330 Resp: 206918

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

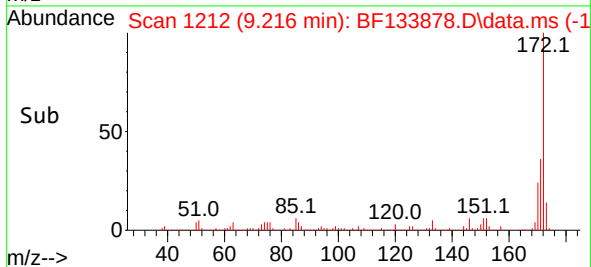
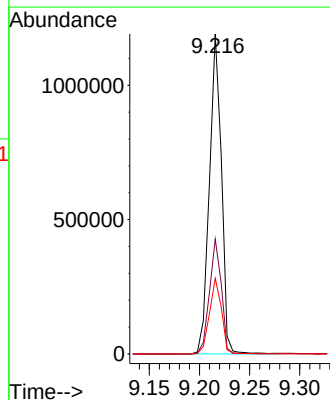
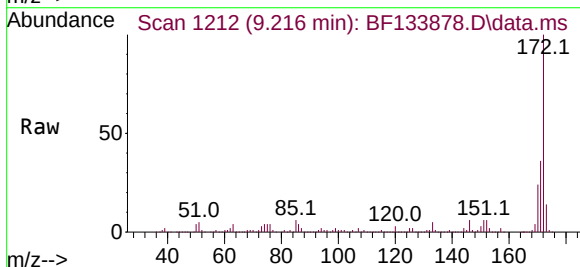
Tgt Ion:172 Resp: 986844

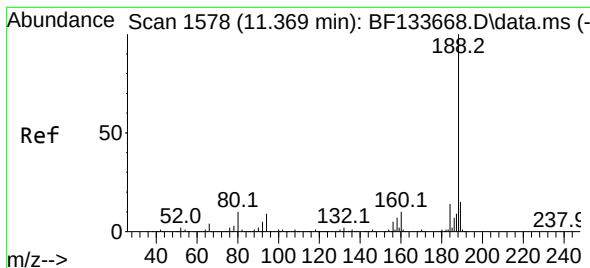
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 23.6 19.1 28.7





#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

Instrument :

BNA_F

ClientSampleId :

SB-05-12.0-14.0

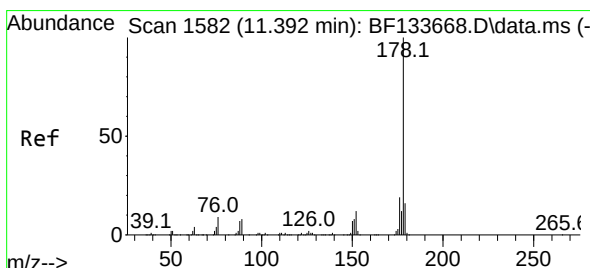
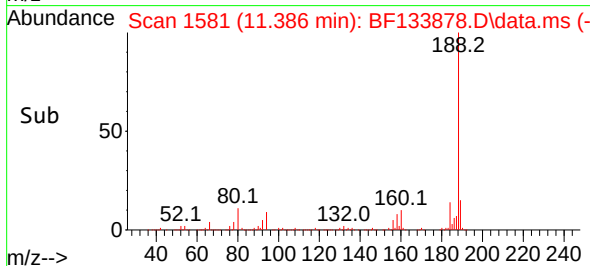
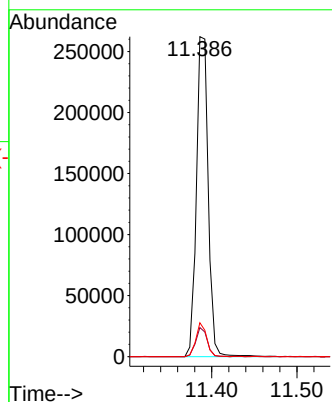
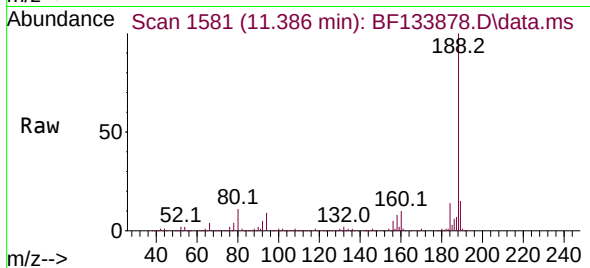
Tgt Ion:188 Resp: 252404

Ion Ratio Lower Upper

188 100

94 9.1 6.8 10.2

80 10.6 7.8 11.6



#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

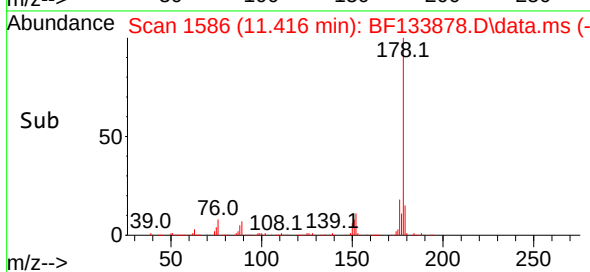
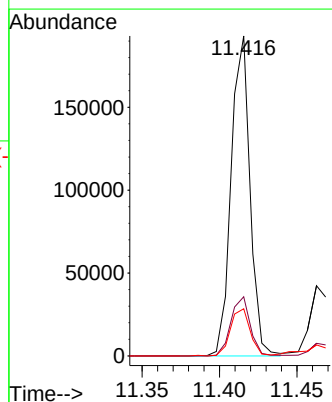
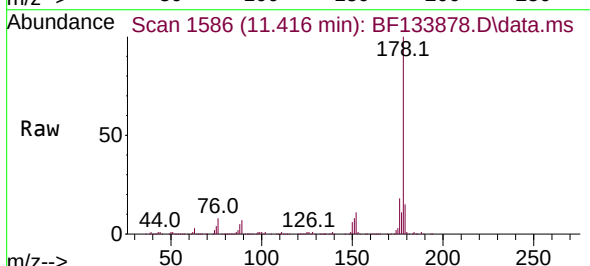
Tgt Ion:178 Resp: 163460

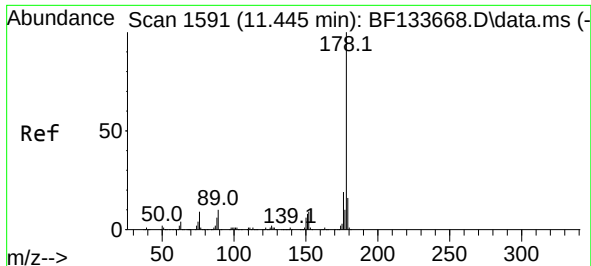
Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 14.7 12.4 18.6

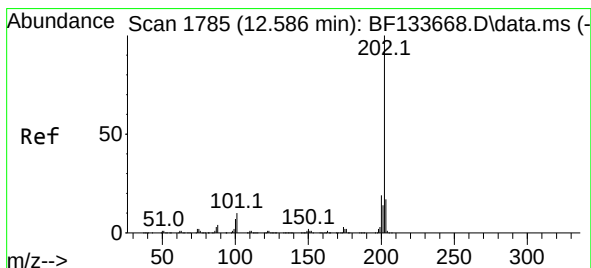
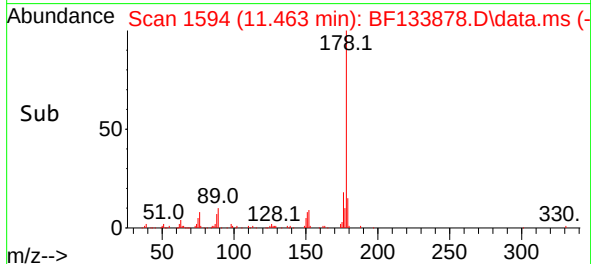
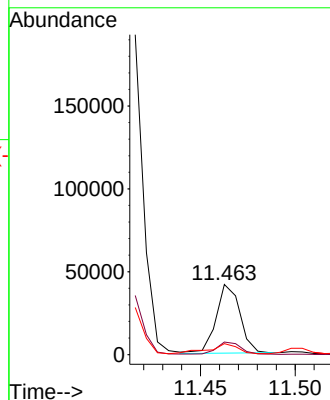
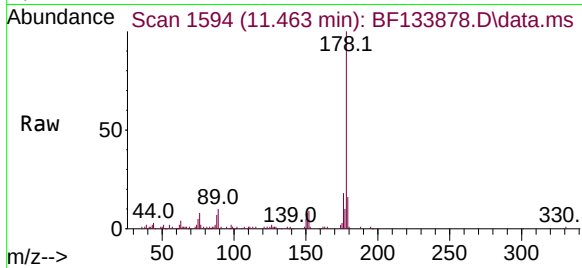




#72
 Anthracene
 Concen: 2.728 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133878.D
 Acq: 21 Jun 2023 19:01

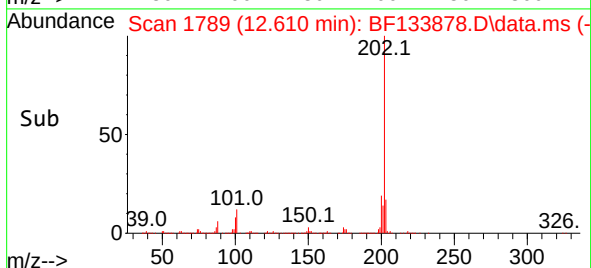
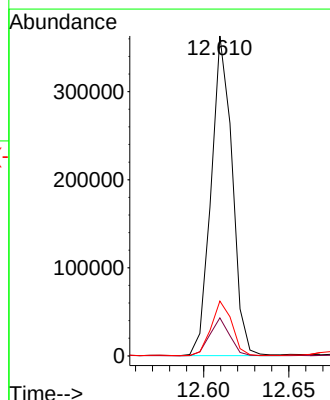
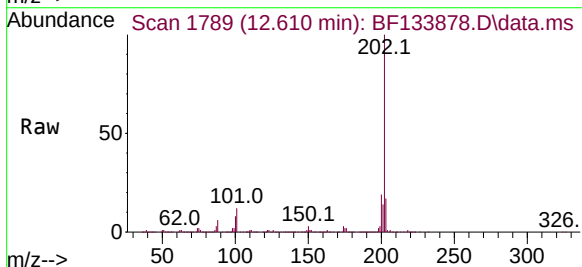
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-12.0-14.0

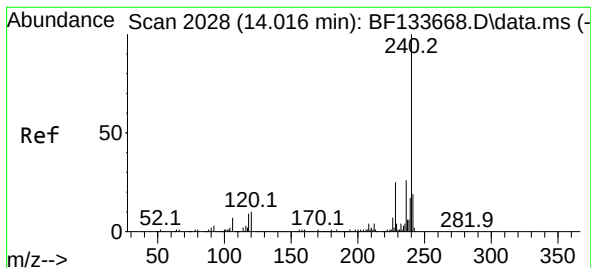
Tgt Ion:178 Resp: 36431
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.1 22.7
 179 15.6 12.6 18.8



#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# 2028

Delta R.T. 0.006 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :

SB-05-12.0-14.0

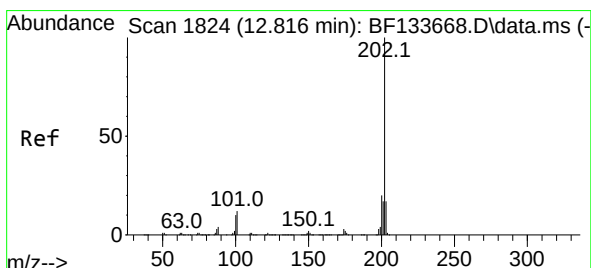
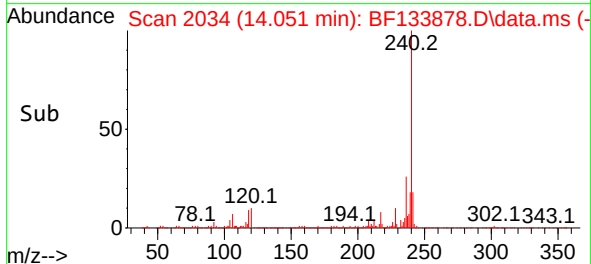
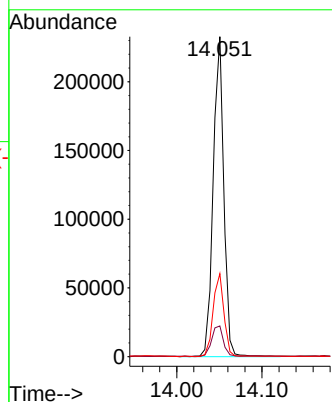
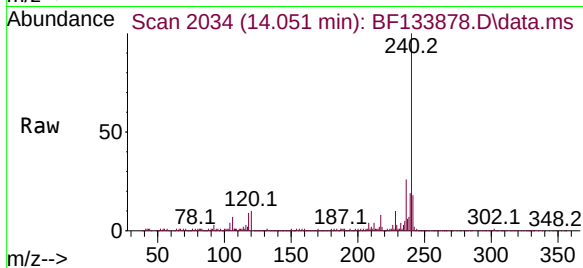
Tgt Ion:240 Resp: 200920

Ion Ratio Lower Upper

240 100

120 9.6 8.1 12.1

236 25.9 20.5 30.7



#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

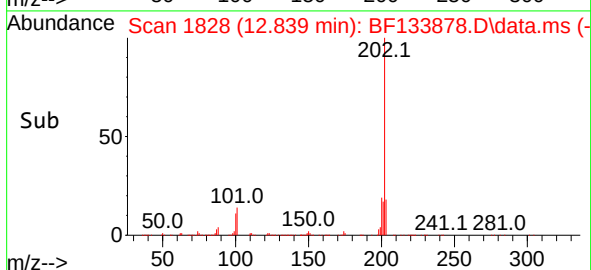
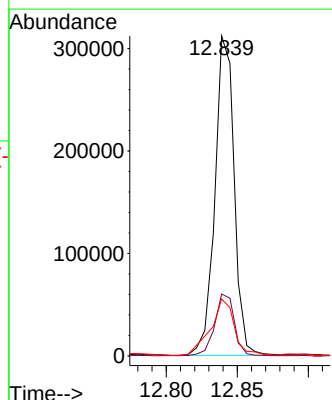
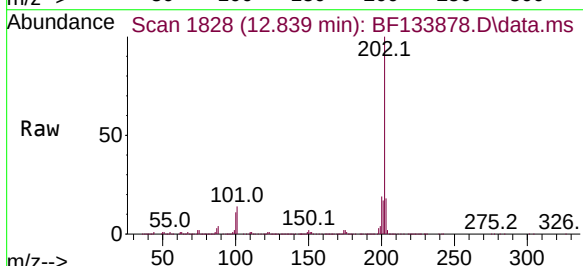
Tgt Ion:202 Resp: 295290

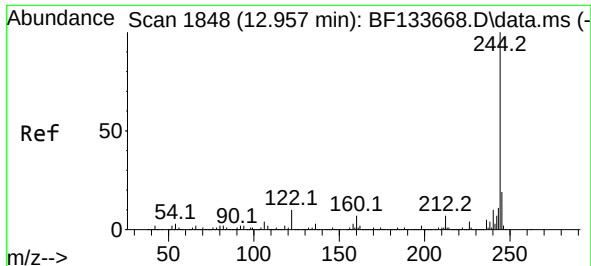
Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 17.8 13.9 20.9

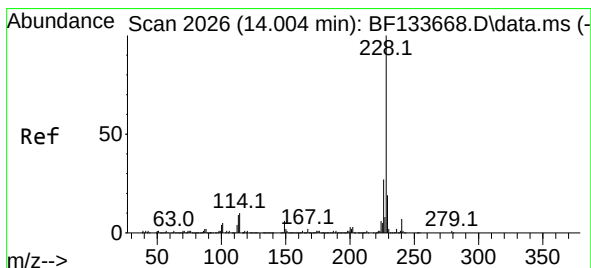
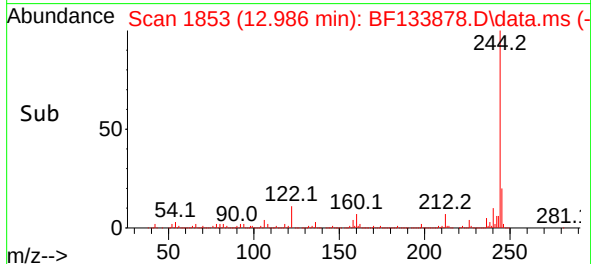
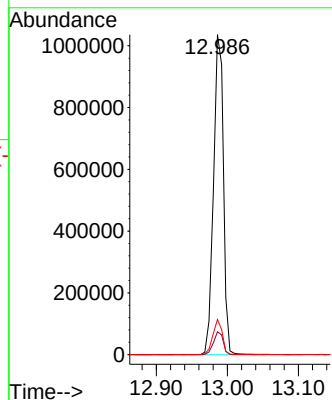
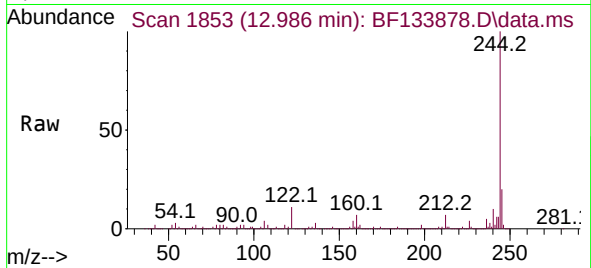




#79
 Terphenyl-d14
 Concen: 76.935 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF133878.D
 Acq: 21 Jun 2023 19:01

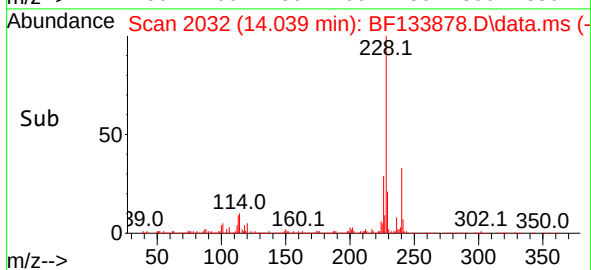
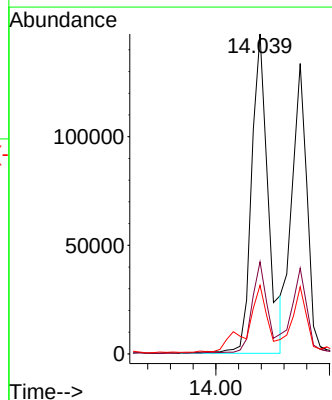
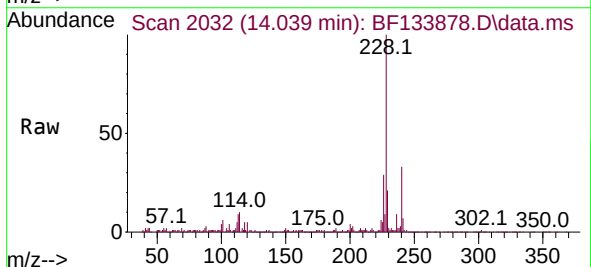
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-12.0-14.0

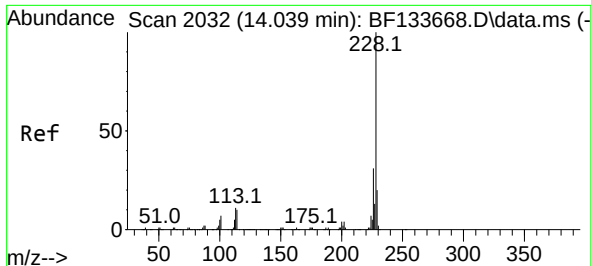
Tgt Ion:244 Resp: 998990
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 11.0 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 10.654 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133878.D
 Acq: 21 Jun 2023 19:01

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

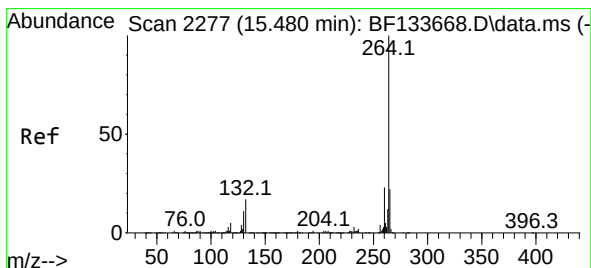
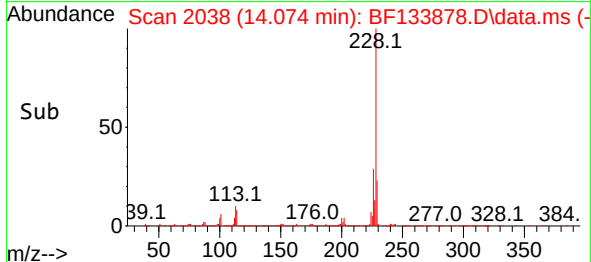
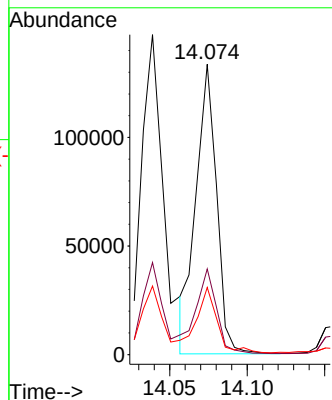
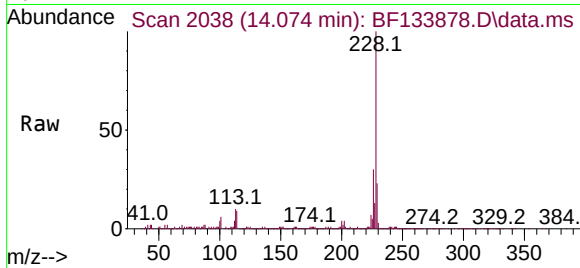




#83
Chrysene
Concen: 9.434 ng
RT: 14.074 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

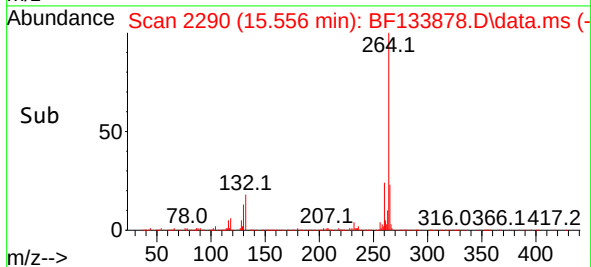
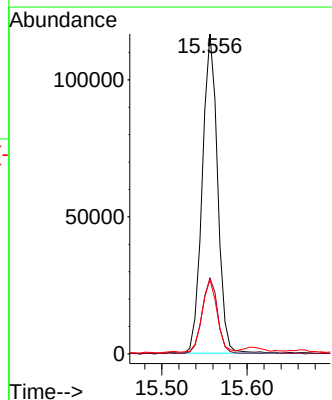
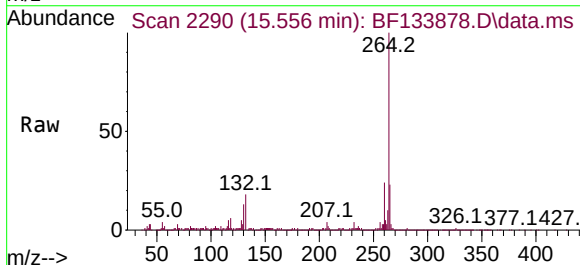
Instrument :
BNA_F
ClientSampleId :
SB-05-12.0-14.0

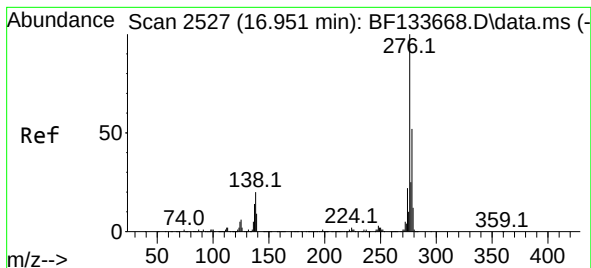
Tgt Ion:228	Resp: 124008
Ion Ratio	Lower Upper
228 100	
226 29.5	25.0 37.6
229 23.2	15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133878.D
Acq: 21 Jun 2023 19:01

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# 211

Delta R.T. -0.000 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

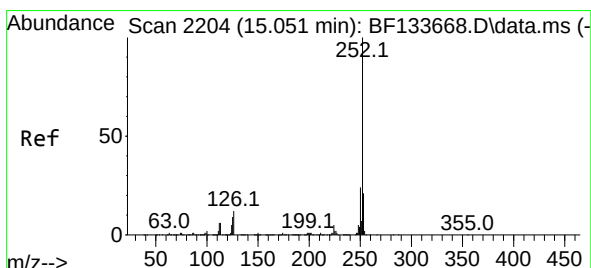
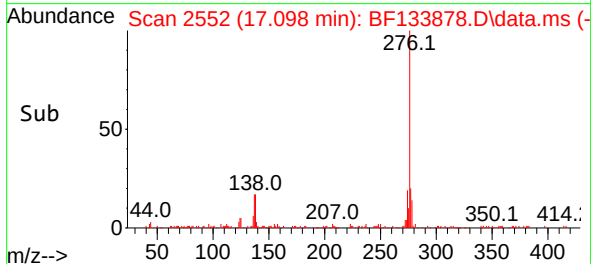
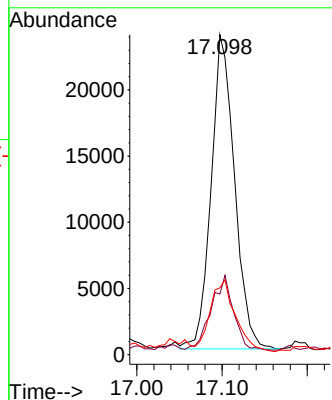
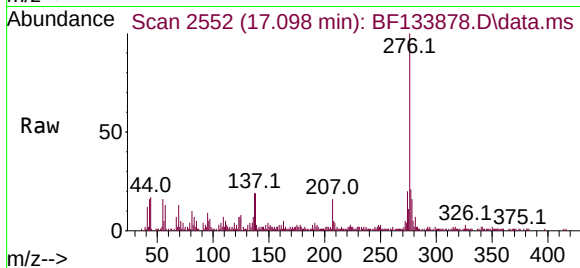
Instrument :

BNA_F

ClientSampleId :

SB-05-12.0-14.0

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: 12.754 ng m

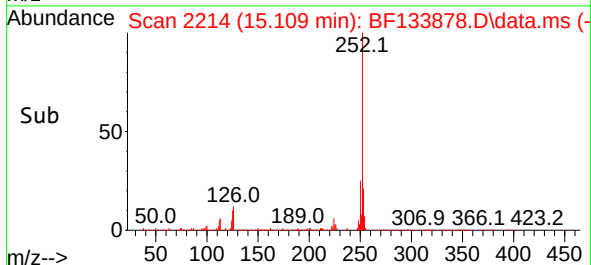
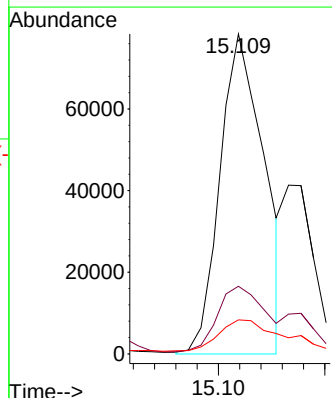
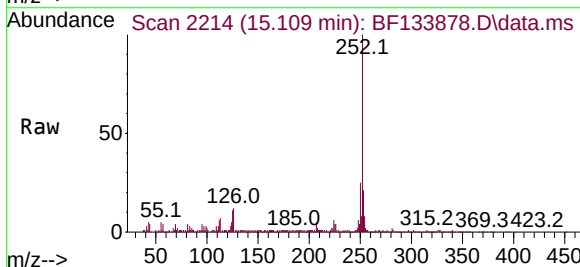
RT: 15.109 min Scan# 2214

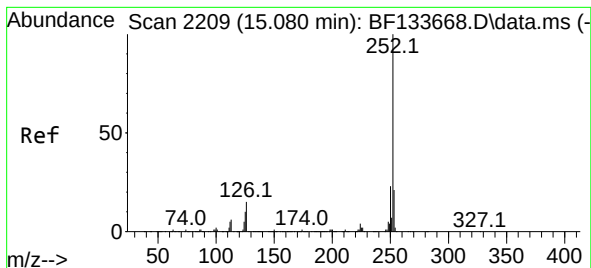
Delta R.T. 0.006 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Tgt Ion:252	Resp:	112643
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: 4.816 ng m

RT: 15.133 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

Instrument :

BNA_F

ClientSampleId :

SB-05-12.0-14.0

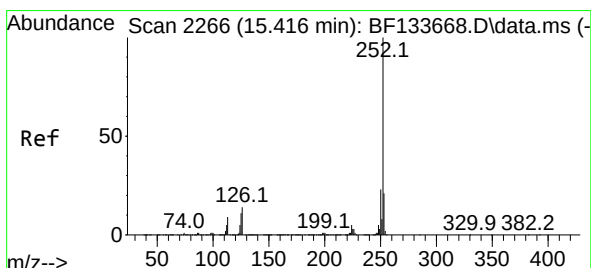
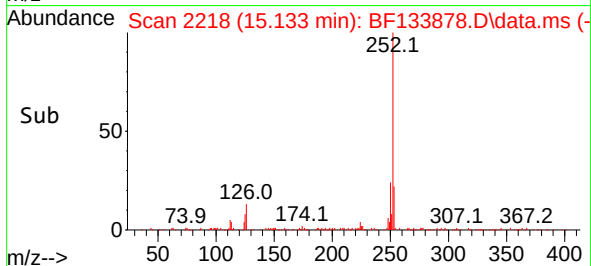
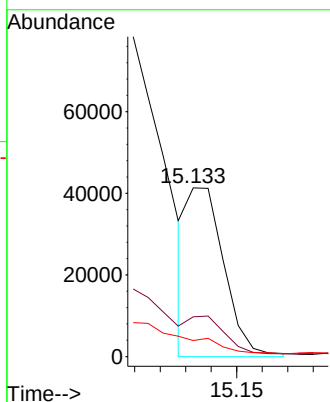
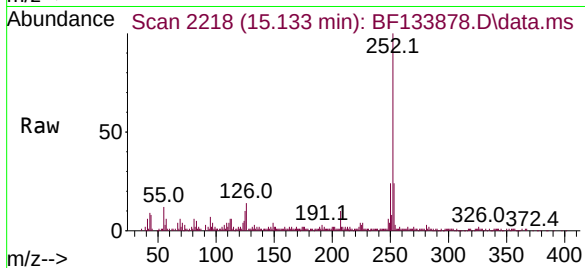
Tgt Ion:252 Resp: 41432

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.4

125 9.6 7.8 11.6



#90

Benzo(a)pyrene

Concen: 9.504 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.006 min

Lab File: BF133878.D

Acq: 21 Jun 2023 19:01

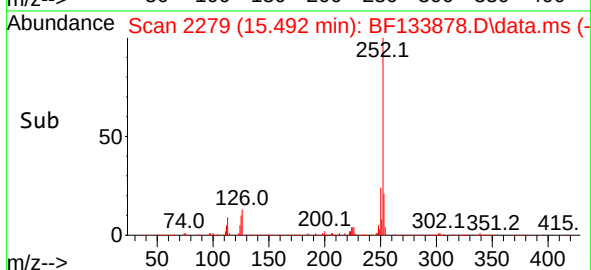
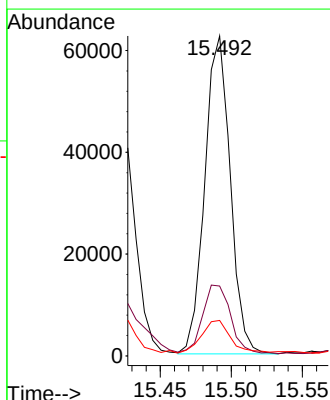
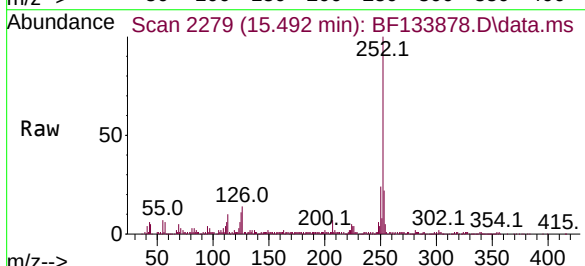
Tgt Ion:252 Resp: 77903

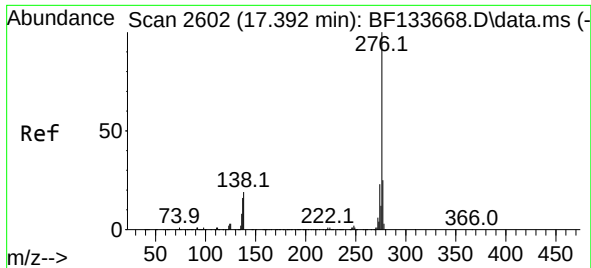
Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

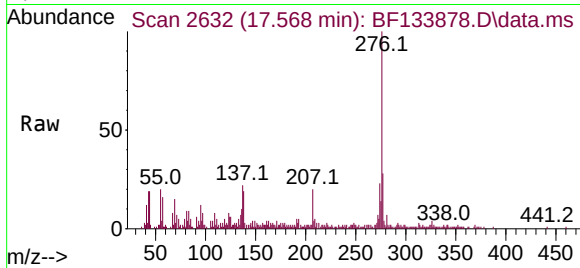
125 11.1 8.6 13.0





#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

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-12.0-14.0



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

