

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133887.D
 Acq On : 21 Jun 2023 23:50
 Operator : CG\JU
 Sample : 03289-15 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jun 22 06:43:04 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)

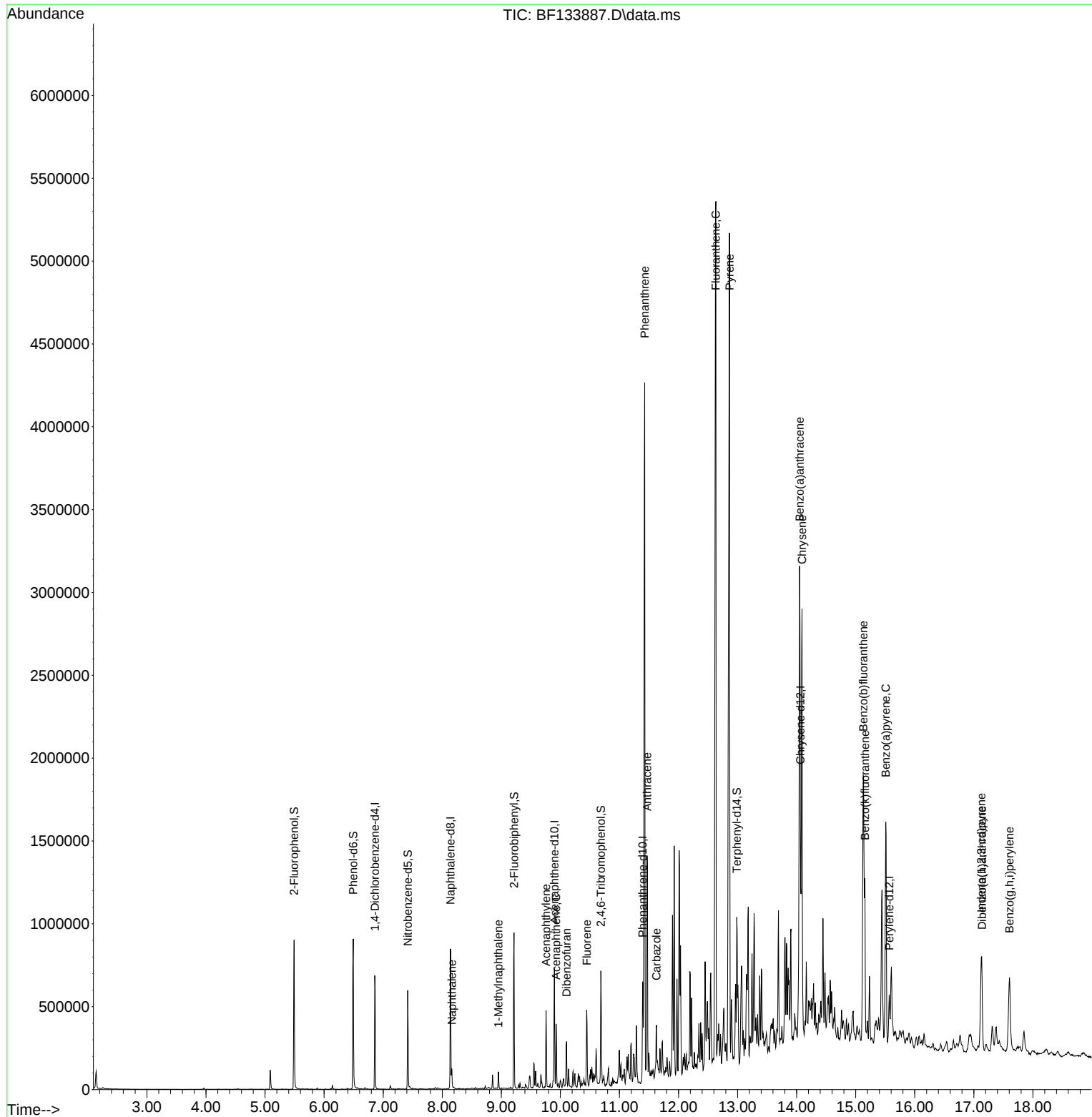
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	99713	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	329416	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	130814	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	250186	20.000	ng	0.00
76) Chrysene-d12	14.062	240	151982	20.000	ng	0.02
86) Perylene-d12	15.568	264	131799	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	227911	39.791	ng	0.00
7) Phenol-d6	6.492	99	263749	35.376	ng	0.00
23) Nitrobenzene-d5	7.416	82	161415	26.689	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	55222	33.349	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	267935	29.116	ng	0.00
79) Terphenyl-d14	12.986	244	274484	27.946	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.163	128	44377	2.765	ng	99
38) 1-Methylnaphthalene	8.951	142	22300	2.173	ng	94
49) Acenaphthylene	9.757	152	169262	12.850	ng	97
52) Acenaphthene	9.927	154	73612	9.548	ng	98
55) Dibenzofuran	10.104	168	80049	6.804	ng	97
58) Fluorene	10.445	166	120754	13.422	ng	96
71) Phenanthrene	11.427	178	1738221	136.941	ng	99
72) Anthracene	11.469	178	515678	38.963	ng	99
73) Carbazole	11.627	167	121031	9.819	ng	98
75) Fluoranthene	12.633	202	2839380	210.648	ng	99
78) Pyrene	12.863	202	2588046	182.801	ng	98
81) Benzo(a)anthracene	14.051	228	1304395	124.079	ng	96
83) Chrysene	14.092	228	1047020	105.301	ng	97
87) Indeno(1,2,3-cd)pyrene	17.127	276	448027	49.410	ng	95
88) Benzo(b)fluoranthene	15.127	252	1044720m	130.488	ng	
89) Benzo(k)fluoranthene	15.156	252	355906m	45.635	ng	
90) Benzo(a)pyrene	15.509	252	716241	96.393	ng	97
91) Dibenzo(a,h)anthracene	17.139	278	127803m	17.025	ng	
92) Benzo(g,h,i)perylene	17.603	276	433430	58.234	ng	97

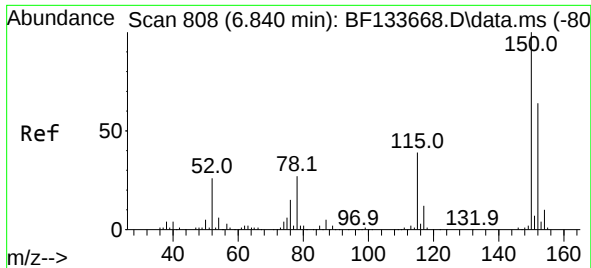
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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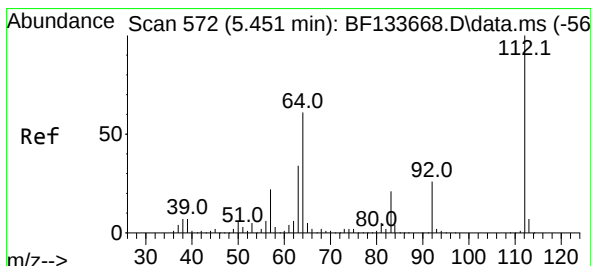
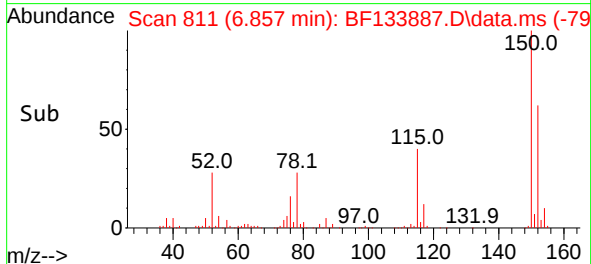
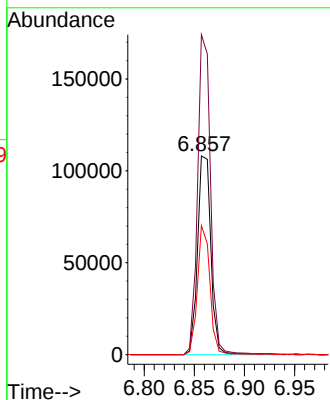
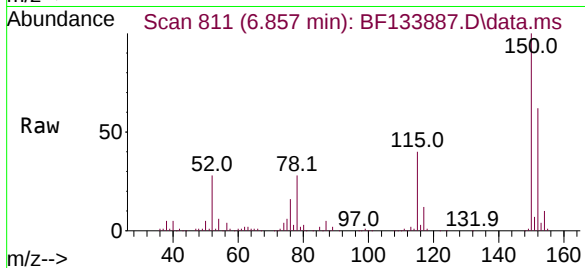




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

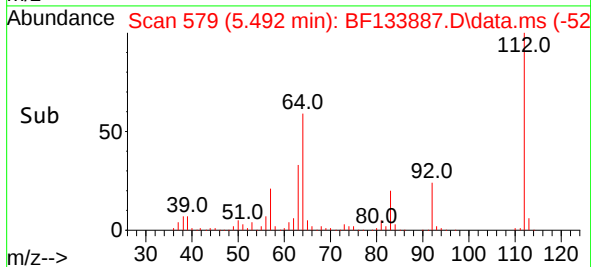
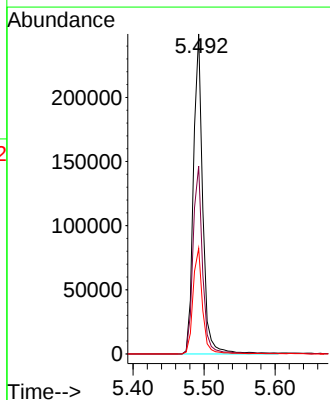
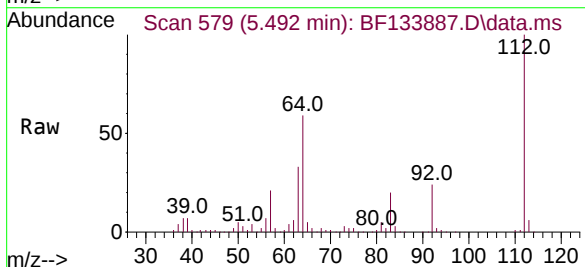
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

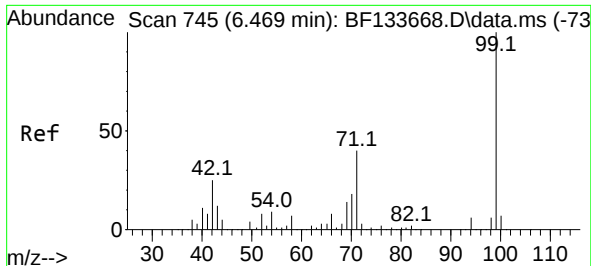
Tgt Ion:152 Resp: 99713
Ion Ratio Lower Upper
152 100
150 161.1 124.3 186.5
115 65.0 48.5 72.7



#5
2-Fluorophenol
Concen: 39.791 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

Tgt Ion:112 Resp: 227911
Ion Ratio Lower Upper
112 100
64 58.7 49.0 73.4
63 33.0 26.8 40.2

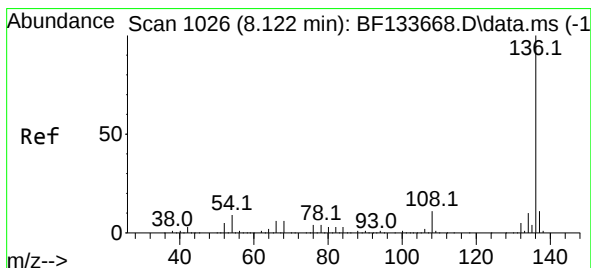
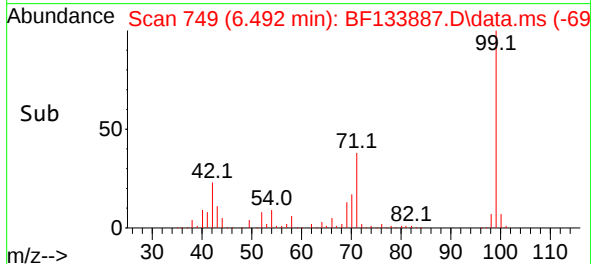
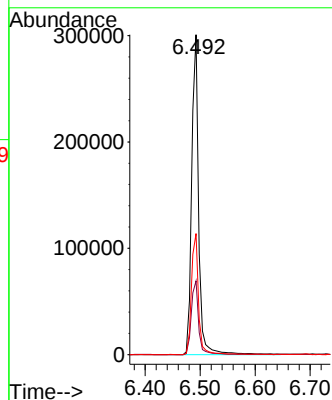
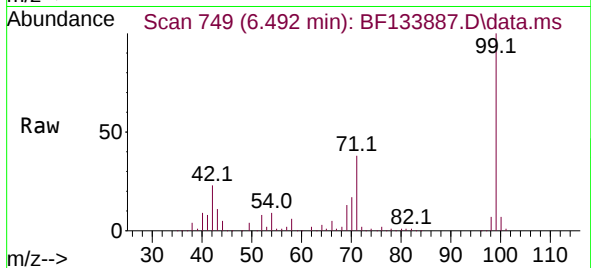




#7
Phenol-d6
Concen: 35.376 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

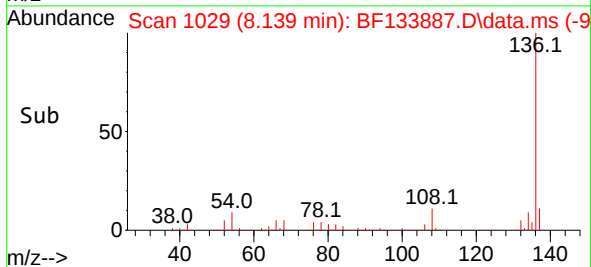
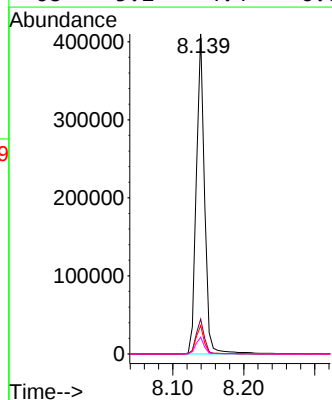
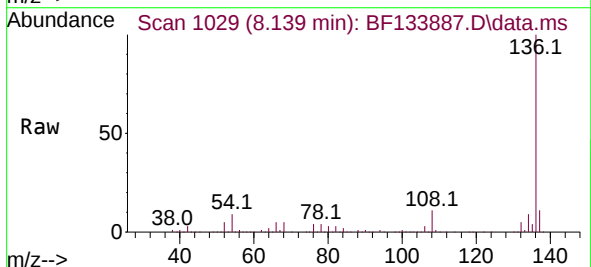
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

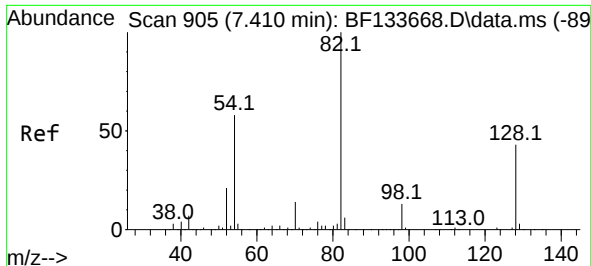
Tgt Ion: 99 Resp: 263749
Ion Ratio Lower Upper
99 100
42 23.0 19.9 29.9
71 37.8 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

Tgt Ion: 136 Resp: 329416
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.8 7.4 11.0
68 5.2 4.4 6.6





#23

Nitrobenzene-d5

Concen: 26.689 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

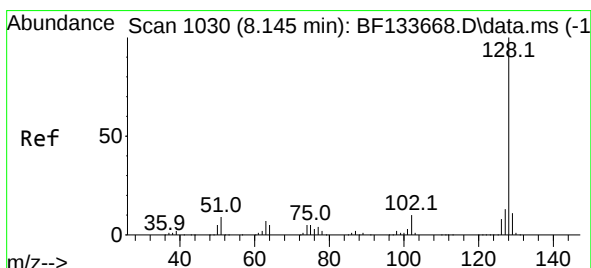
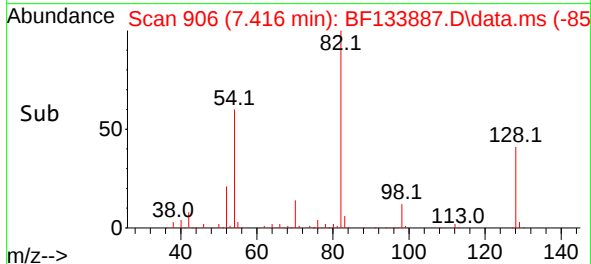
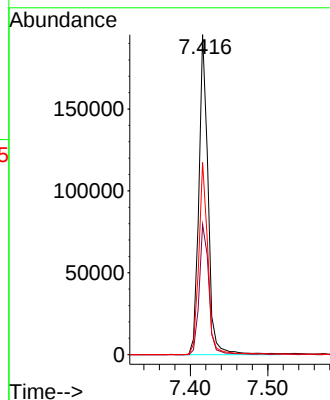
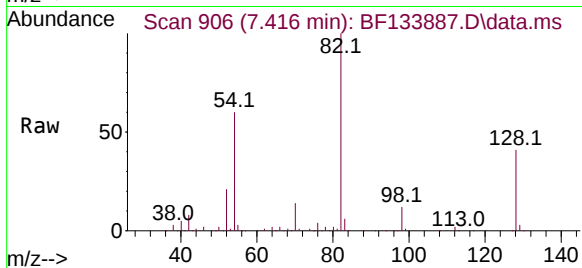
Tgt Ion: 82 Resp: 161415

Ion Ratio Lower Upper

82 100

128 40.7 34.2 51.2

54 60.0 46.5 69.7



#31

Naphthalene

Concen: 2.765 ng

RT: 8.163 min Scan# 1033

Delta R.T. -0.000 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

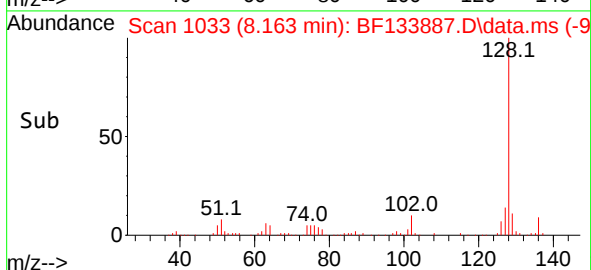
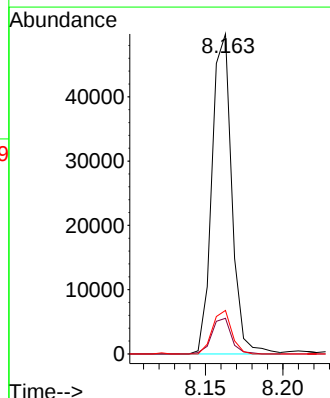
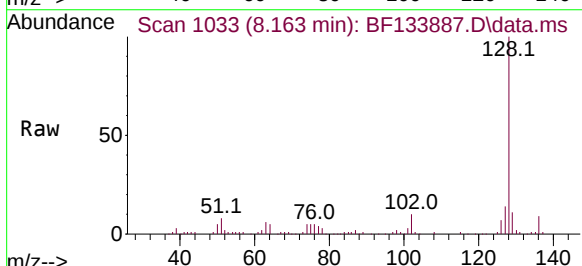
Tgt Ion: 128 Resp: 44377

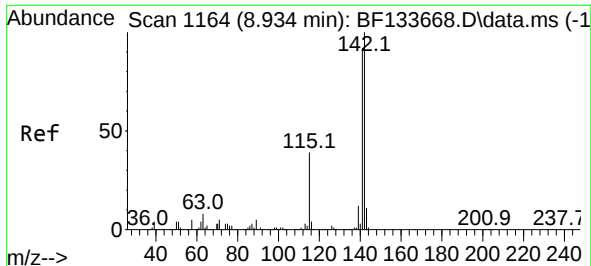
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.6 10.5 15.7

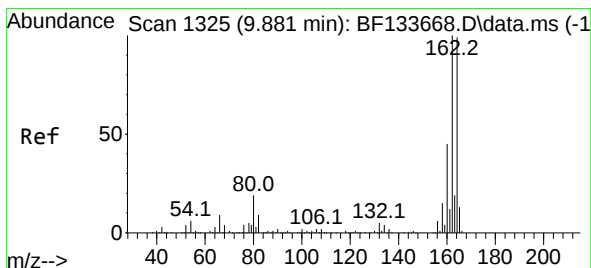
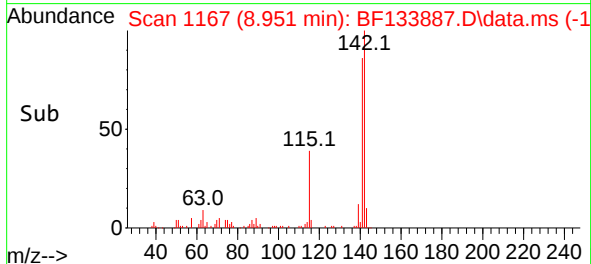
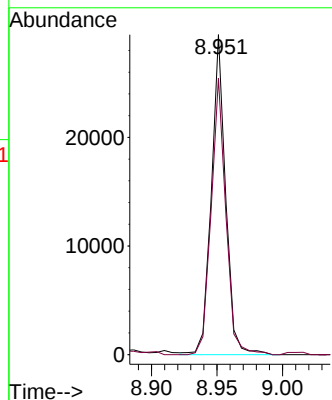
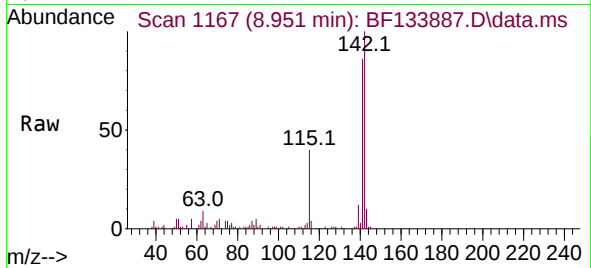




#38
1-Methylnaphthalene
Concen: 2.173 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

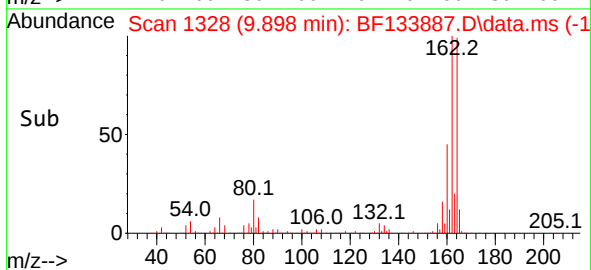
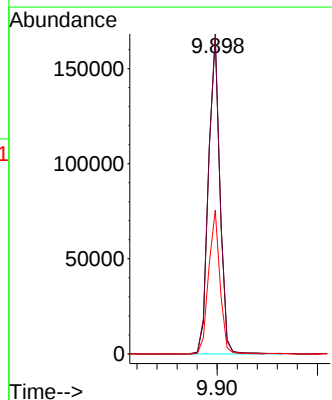
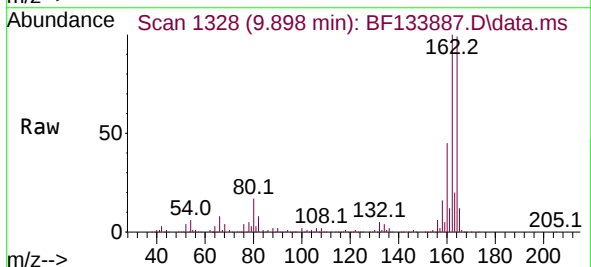
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

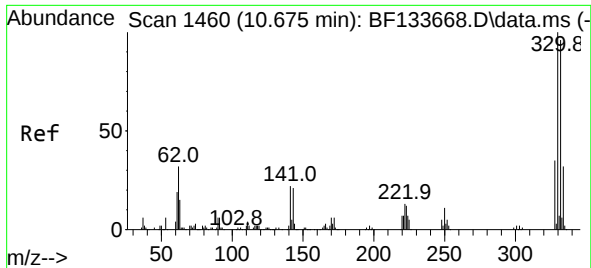
Tgt Ion:142 Resp: 22300
Ion Ratio Lower Upper
142 100
141 86.5 73.4 110.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

Tgt Ion:164 Resp: 130814
Ion Ratio Lower Upper
164 100
162 101.4 80.8 121.2
160 45.5 36.7 55.1

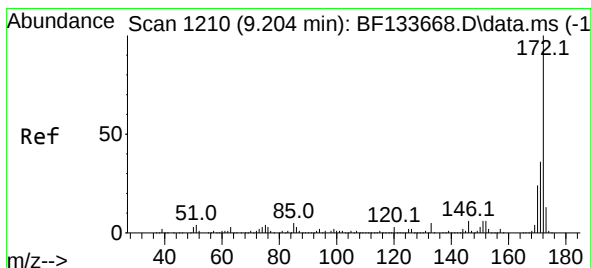
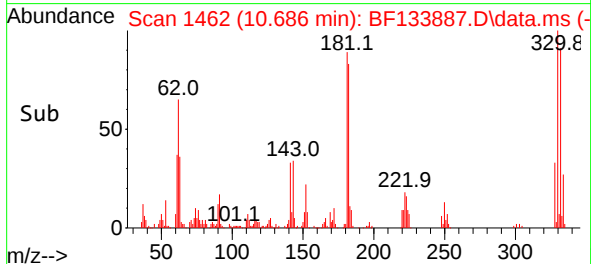
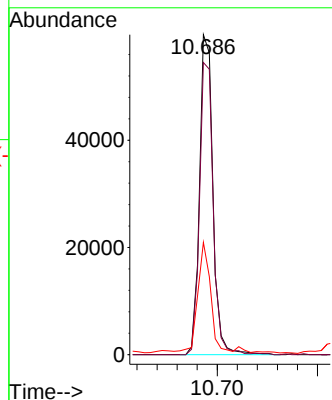
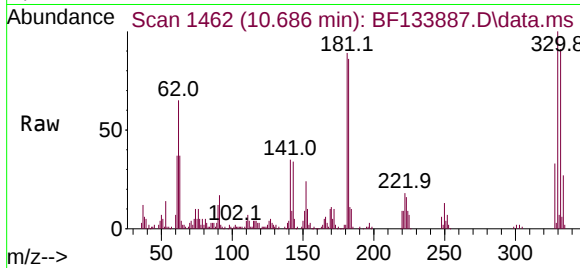




#42
 2,4,6-Tribromophenol
 Concen: 33.349 ng
 RT: 10.686 min Scan# 1462
 Delta R.T. -0.006 min
 Lab File: BF133887.D
 Acq: 21 Jun 2023 23:50

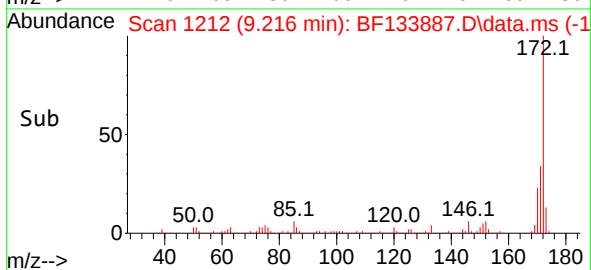
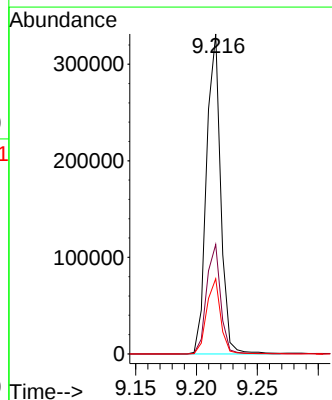
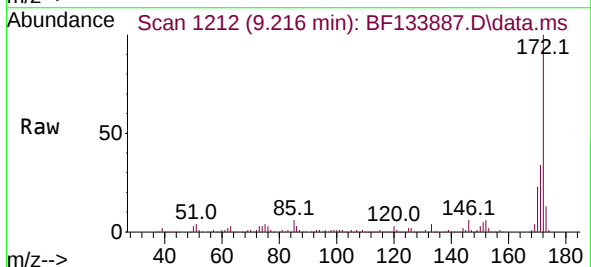
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

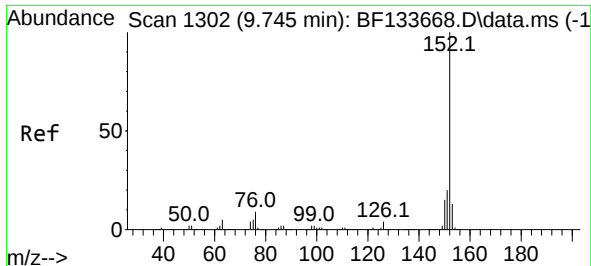
Tgt Ion:	330	Resp:	55222
Ion Ratio	Lower	Upper	
330	100		
332	92.8	77.2	115.8
141	31.3	24.9	37.3



#45
 2-Fluorobiphenyl
 Concen: 29.116 ng
 RT: 9.216 min Scan# 1212
 Delta R.T. -0.000 min
 Lab File: BF133887.D
 Acq: 21 Jun 2023 23:50

Tgt Ion:	172	Resp:	267935
Ion Ratio	Lower	Upper	
172	100		
171	34.2	28.6	43.0
170	23.5	19.1	28.7





#49

Acenaphthylene

Concen: 12.850 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.000 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

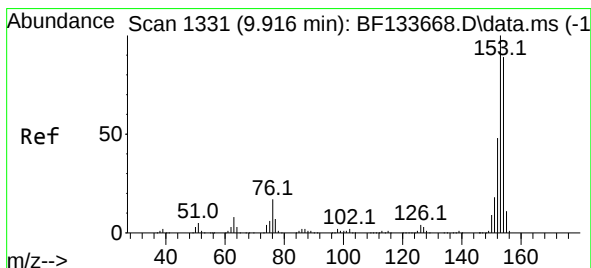
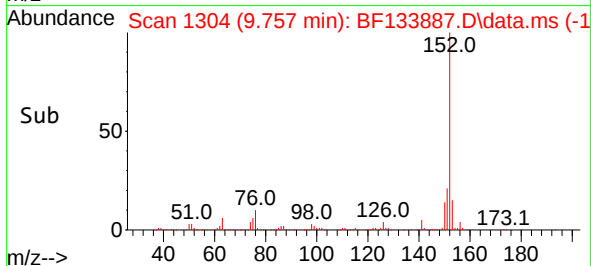
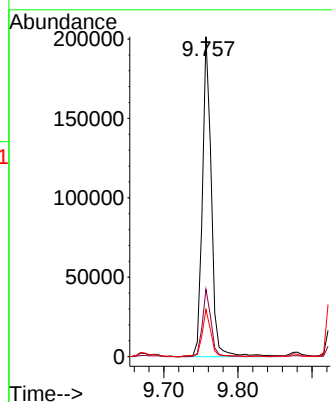
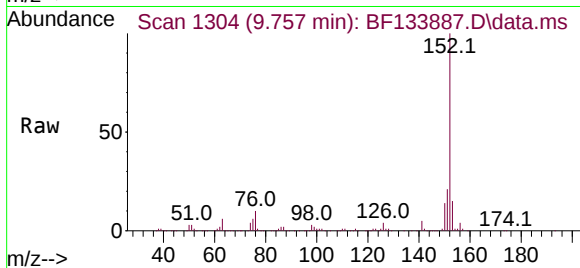
Tgt Ion:152 Resp: 169262

Ion Ratio Lower Upper

152 100

151 21.0 16.2 24.4

153 14.7 10.4 15.6



#52

Acenaphthene

Concen: 9.548 ng

RT: 9.927 min Scan# 1333

Delta R.T. -0.006 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

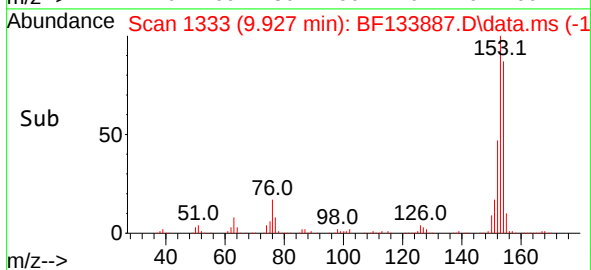
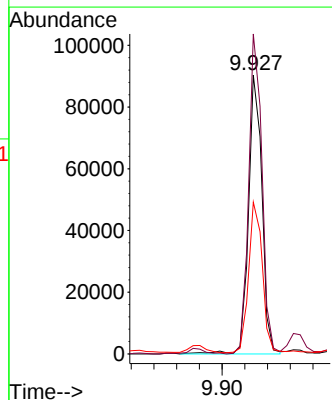
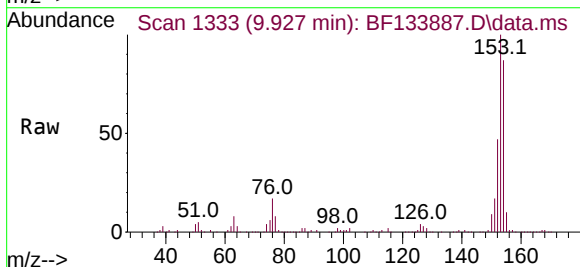
Tgt Ion:154 Resp: 73612

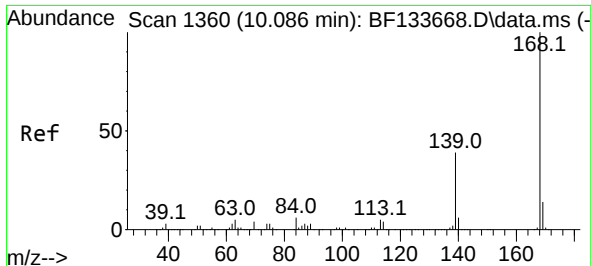
Ion Ratio Lower Upper

154 100

153 114.8 89.8 134.8

152 54.4 43.4 65.2

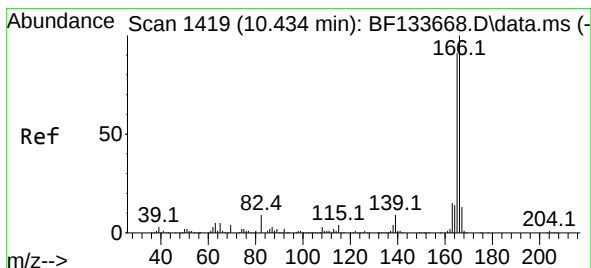
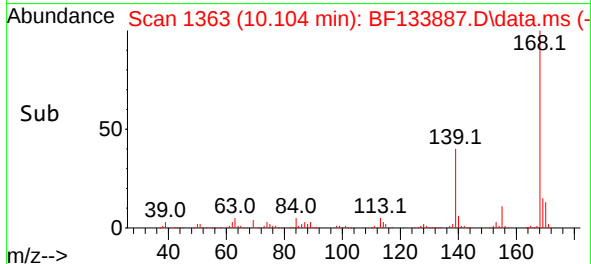
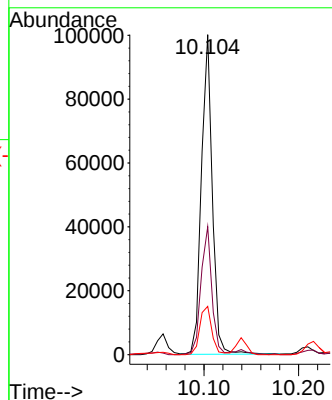
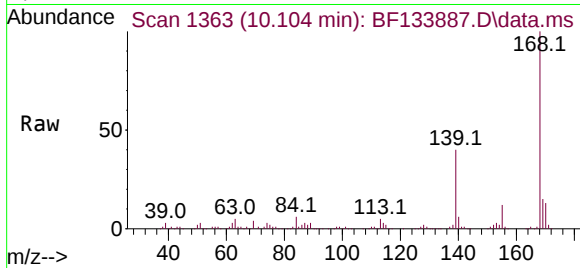




#55
Dibenzenofuran
Concen: 6.804 ng
RT: 10.104 min Scan# 1360
Delta R.T. -0.000 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

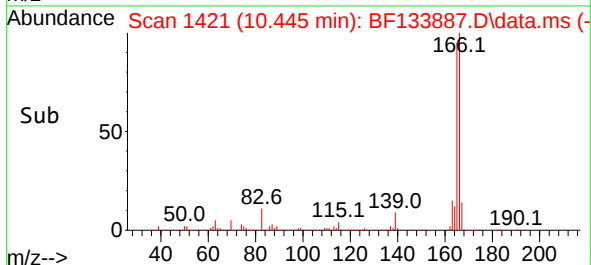
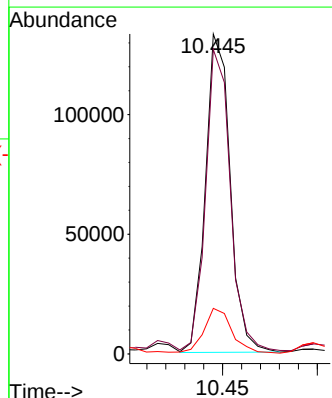
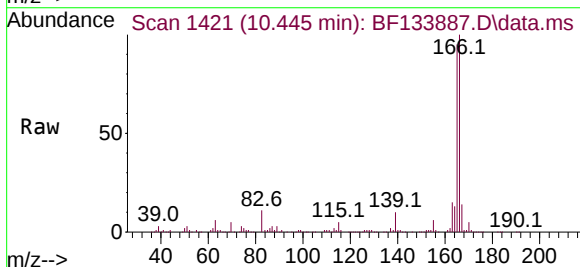
Instrument :
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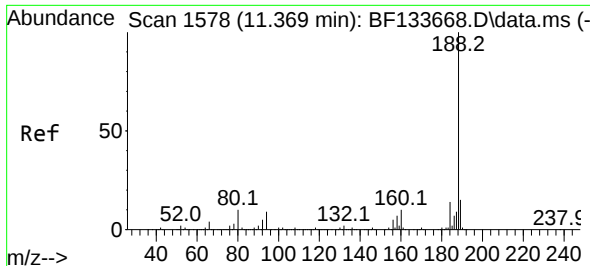
Tgt Ion:168 Resp: 80049
Ion Ratio Lower Upper
168 100
139 40.0 30.9 46.3
169 15.1 10.9 16.3



#58
Fluorene
Concen: 13.422 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

Tgt Ion:166 Resp: 120754
Ion Ratio Lower Upper
166 100
165 95.1 73.1 109.7
167 14.2 10.5 15.7

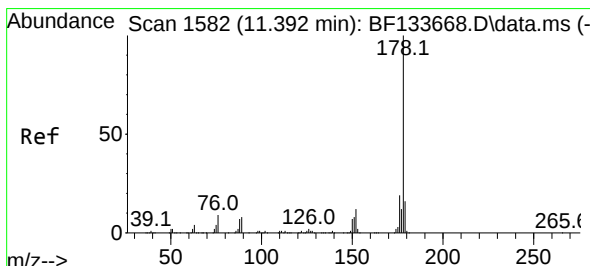
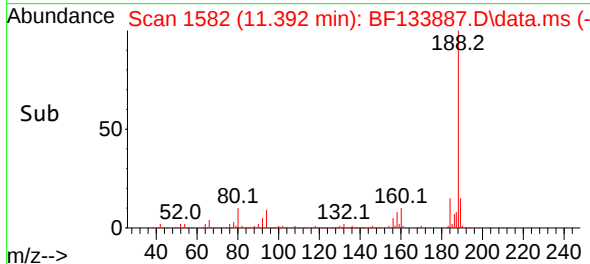
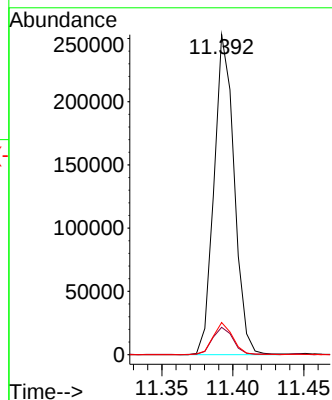
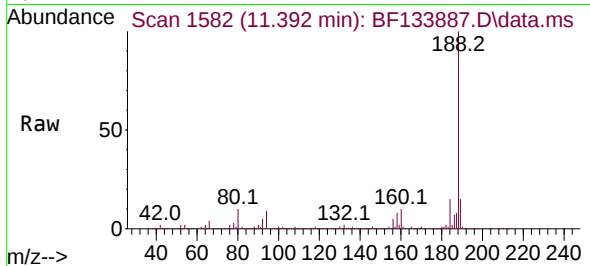




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

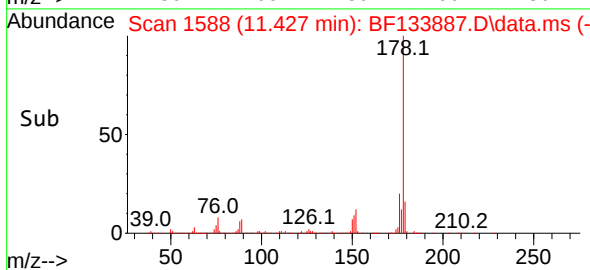
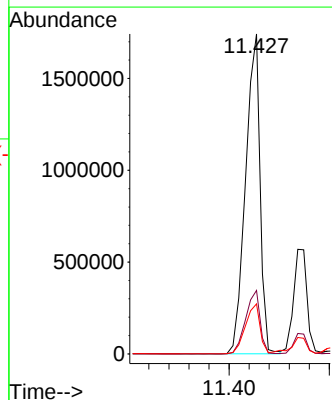
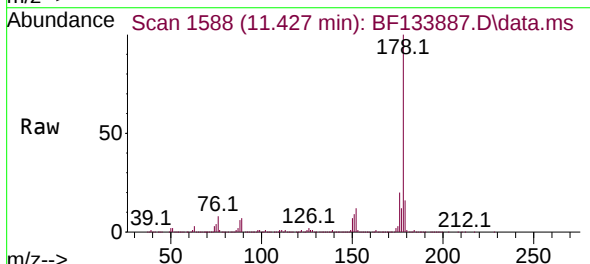
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

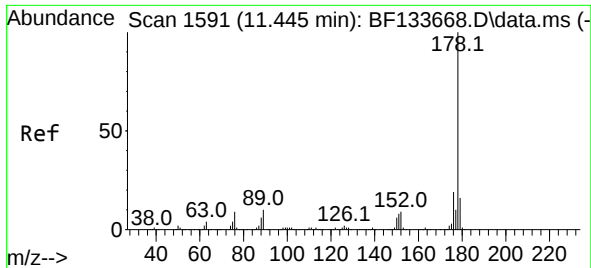
Tgt Ion:188 Resp: 250186
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 10.0 7.8 11.6



#71
Phenanthrene
Concen: 136.941 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.012 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

Tgt Ion:178 Resp: 1738221
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.6 12.4 18.6

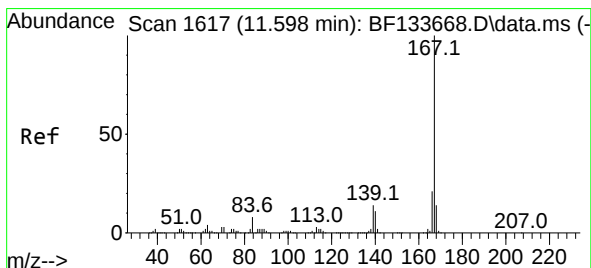
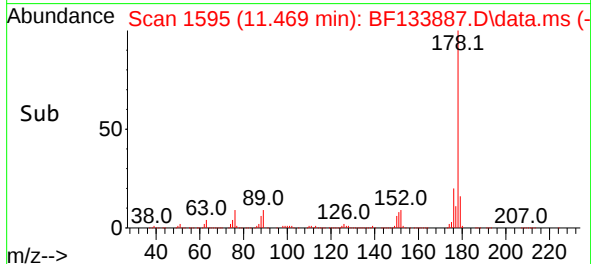
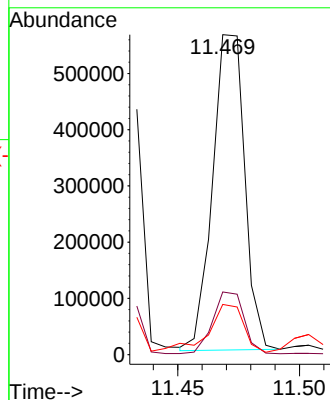
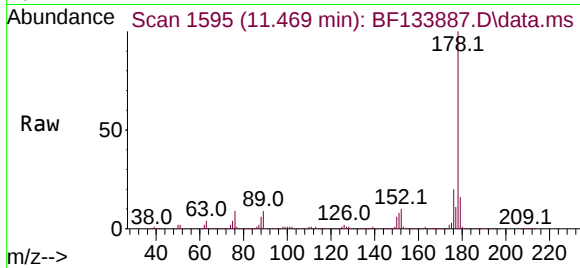




#72
 Anthracene
 Concen: 38.963 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133887.D
 Acq: 21 Jun 2023 23:50

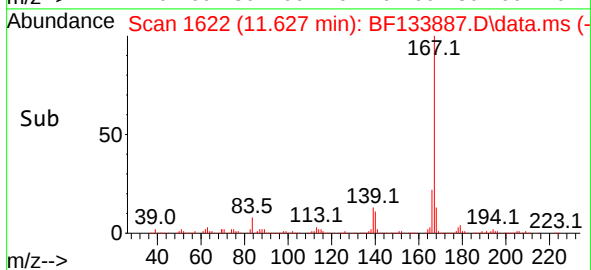
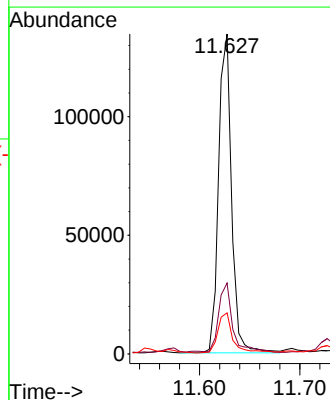
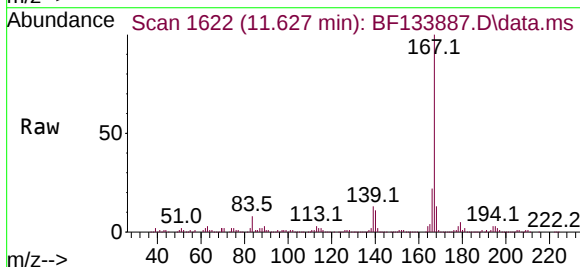
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

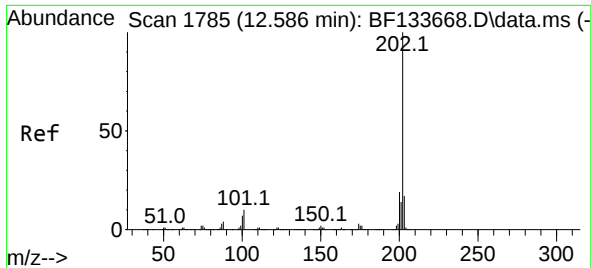
Tgt Ion:178 Resp: 515678
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.1 22.7
 179 15.7 12.6 18.8



#73
 Carbazole
 Concen: 9.819 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. 0.006 min
 Lab File: BF133887.D
 Acq: 21 Jun 2023 23:50

Tgt Ion:167 Resp: 121031
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.6
 139 12.8 11.2 16.8

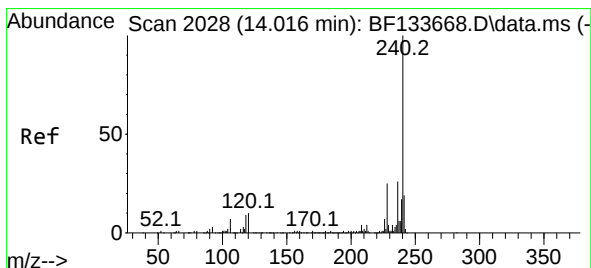
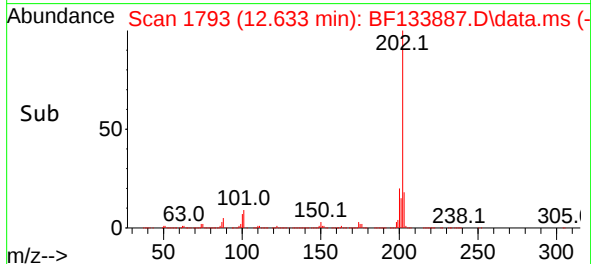
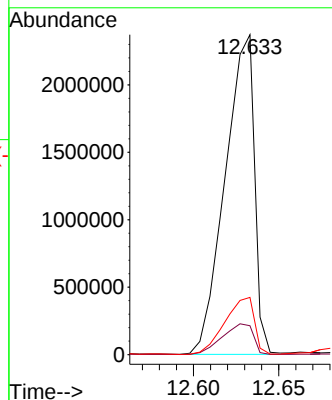
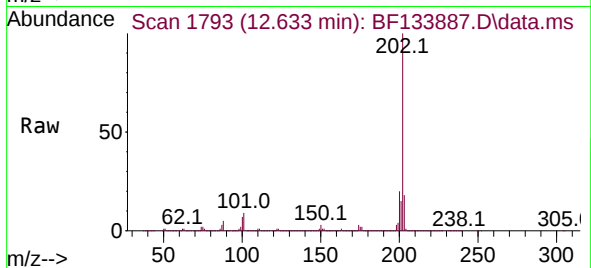




#75
Fluoranthene
Concen: 210.648 ng
RT: 12.633 min Scan# 1785
Delta R.T. 0.023 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

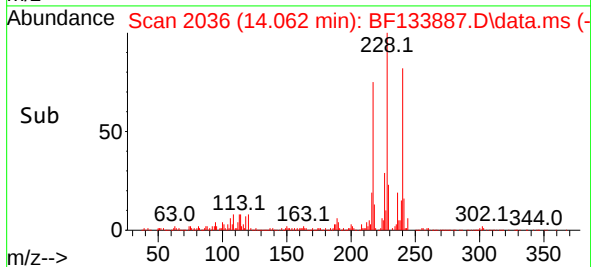
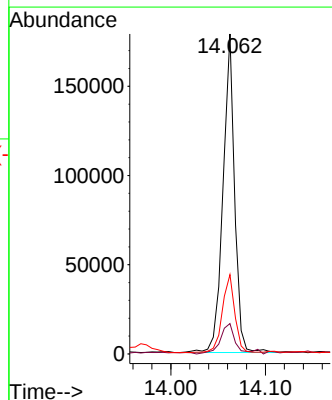
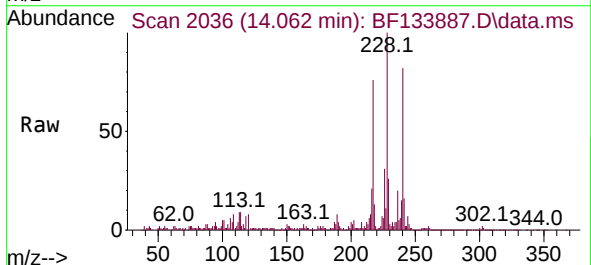
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

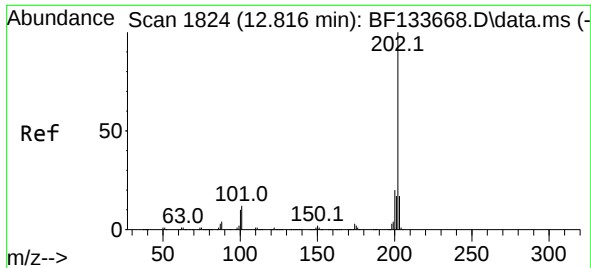
Tgt Ion:202 Resp: 2839380
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.6
203 17.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

Tgt Ion:240 Resp: 151982
Ion Ratio Lower Upper
240 100
120 9.5 8.1 12.1
236 24.8 20.5 30.7

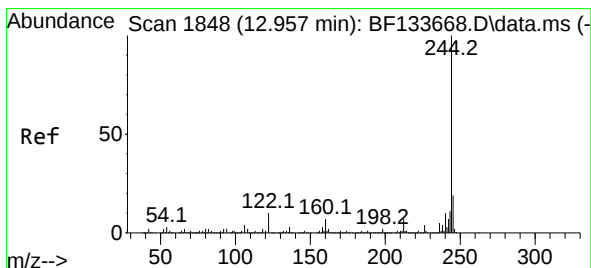
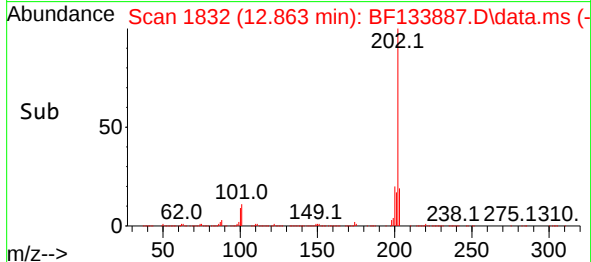
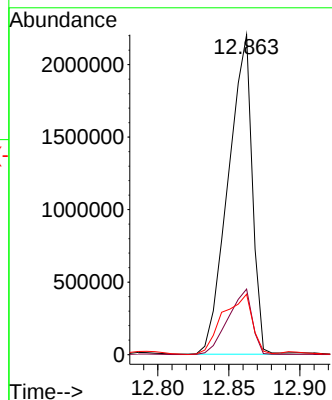
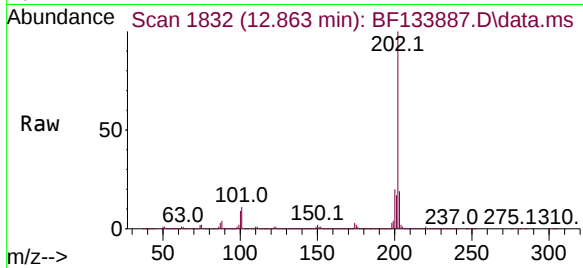




#78
 Pyrene
 Concen: 182.801 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. 0.023 min
 Lab File: BF133887.D
 Acq: 21 Jun 2023 23:50

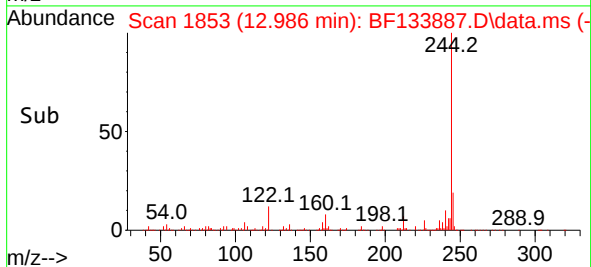
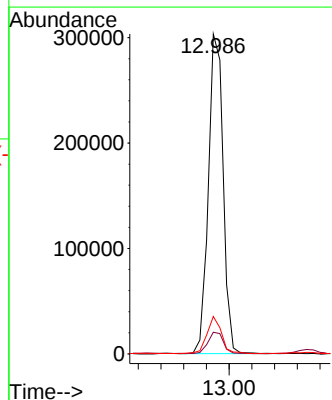
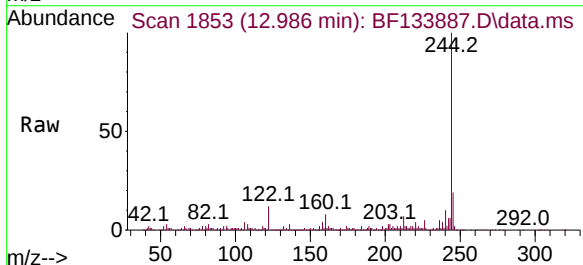
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

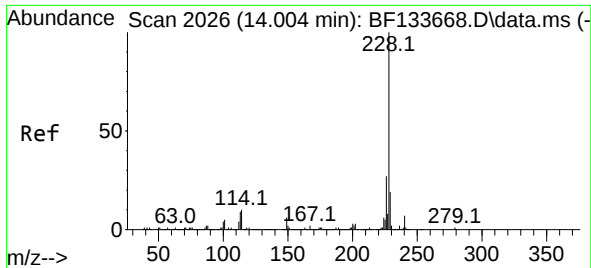
Tgt Ion:202 Resp: 2588046
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.2 24.2
 203 18.9 13.9 20.9



#79
 Terphenyl-d14
 Concen: 27.946 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: BF133887.D
 Acq: 21 Jun 2023 23:50

Tgt Ion:244 Resp: 274484
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.7 8.1 12.1

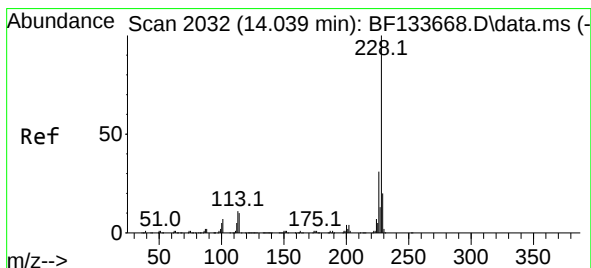
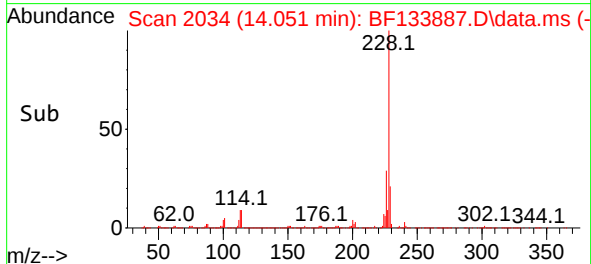
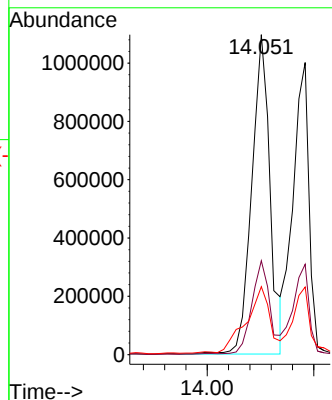
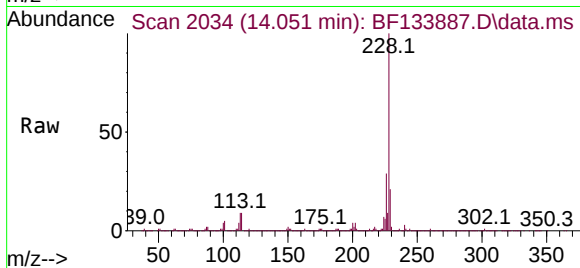




#81
Benzo(a)anthracene
Concen: 124.079 ng
RT: 14.051 min Scan# 2040
Delta R.T. 0.018 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

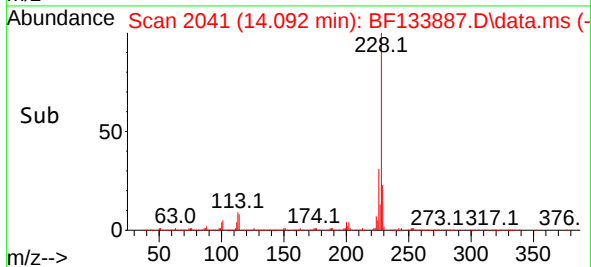
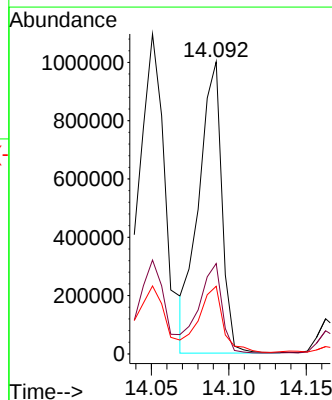
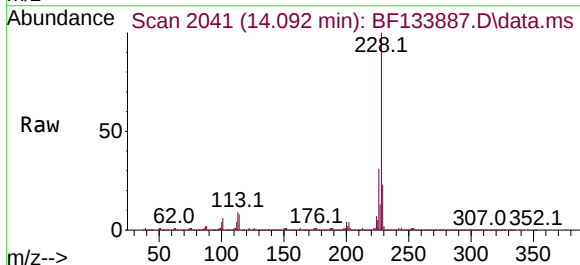
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

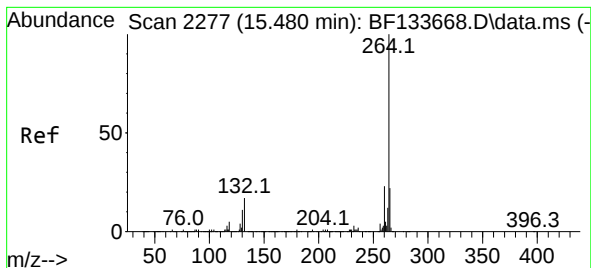
Tgt Ion:228 Resp: 1304395
Ion Ratio Lower Upper
228 100
226 29.3 21.7 32.5
229 21.2 15.4 23.2



#83
Chrysene
Concen: 105.301 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.018 min
Lab File: BF133887.D
Acq: 21 Jun 2023 23:50

Tgt Ion:228 Resp: 1047020
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 23.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

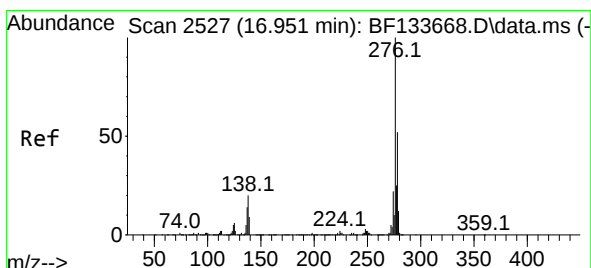
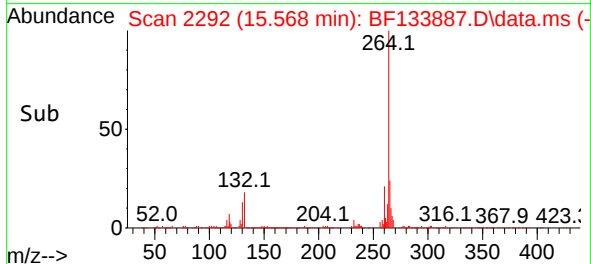
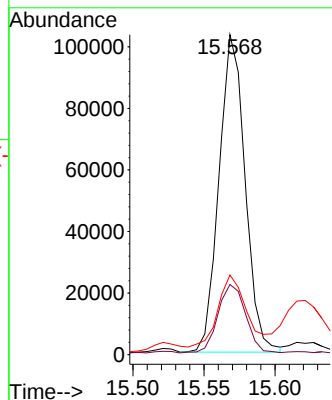
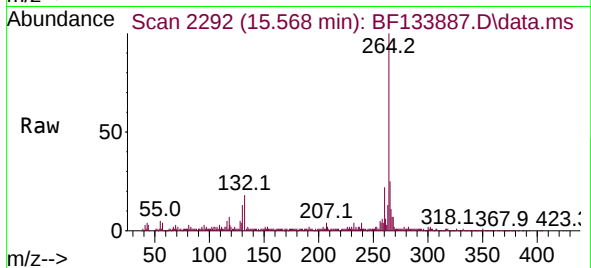
Tgt Ion:264 Resp: 131799

Ion Ratio Lower Upper

264 100

260 21.9 18.2 27.2

265 24.9 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 49.410 ng

RT: 17.127 min Scan# 2557

Delta R.T. 0.029 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

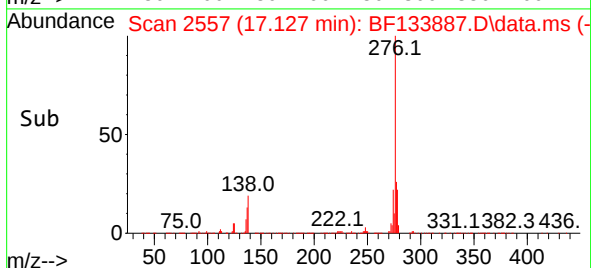
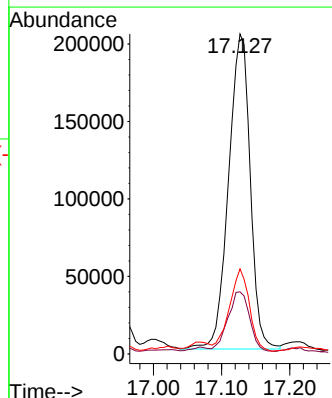
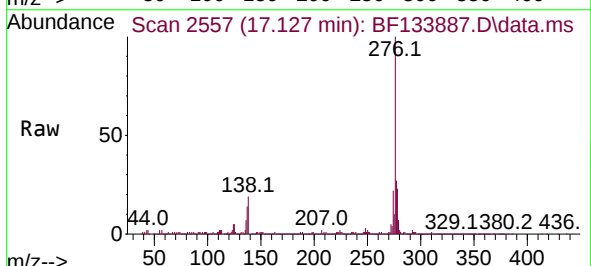
Tgt Ion:276 Resp: 448027

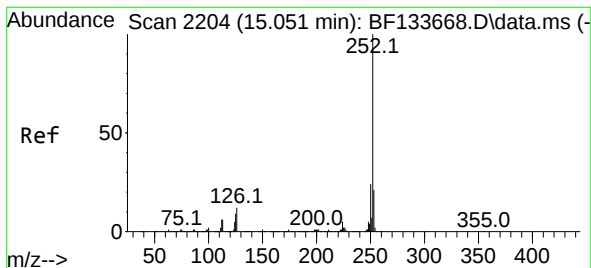
Ion Ratio Lower Upper

276 100

138 19.0 17.9 26.9

277 24.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 130.488 ng m

RT: 15.127 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

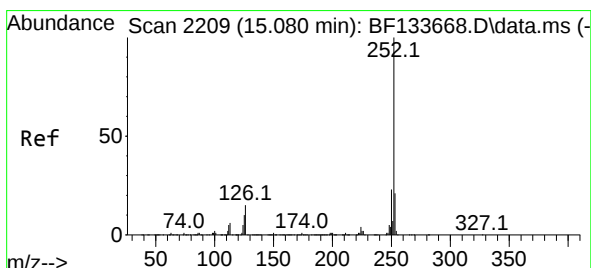
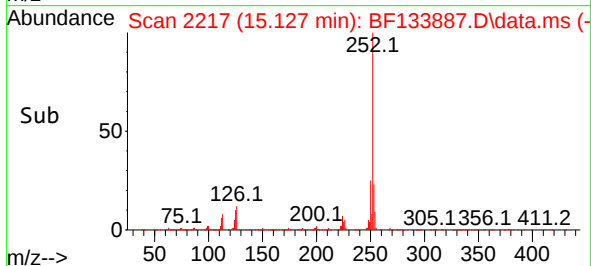
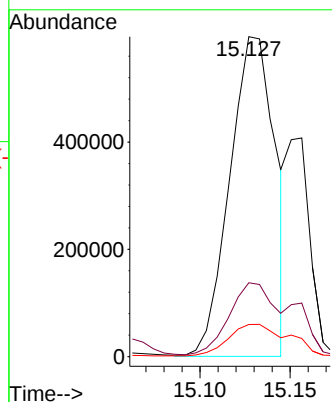
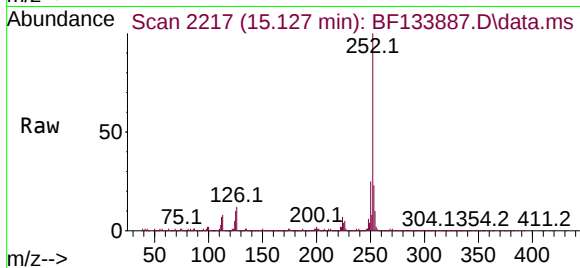
Tgt Ion:252 Resp: 1044720

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 10.0 7.3 10.9



#89

Benzo(k)fluoranthene

Concen: 45.635 ng m

RT: 15.156 min Scan# 2222

Delta R.T. 0.023 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

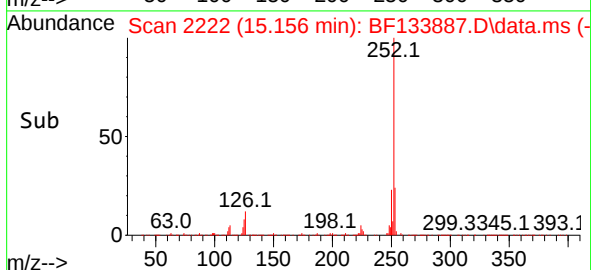
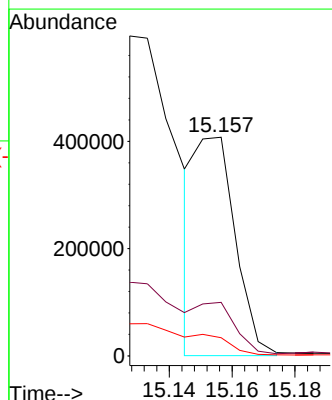
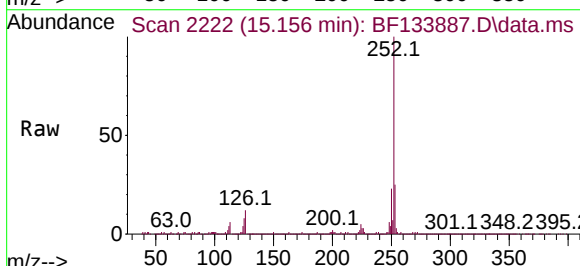
Tgt Ion:252 Resp: 355906

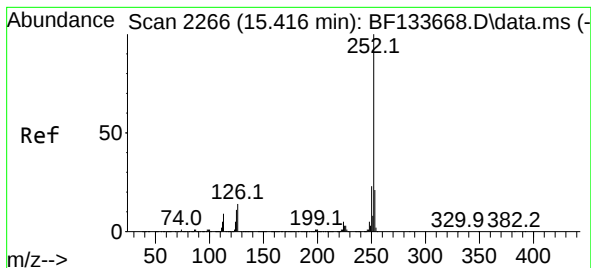
Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.4

125 8.3 7.8 11.6





#90

Benzo(a)pyrene

Concen: 96.393 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

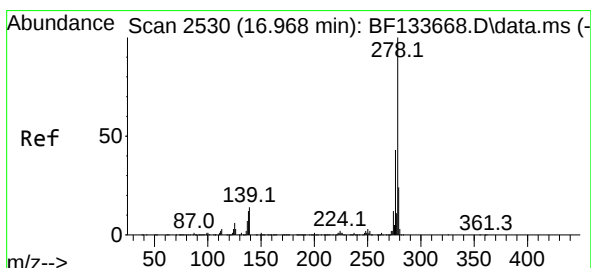
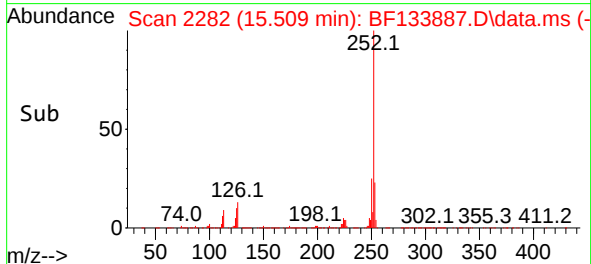
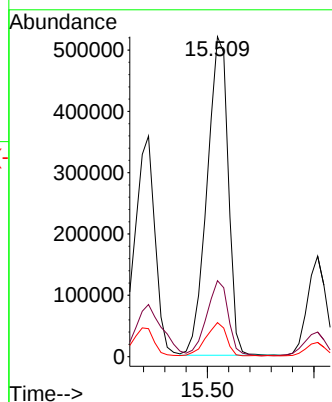
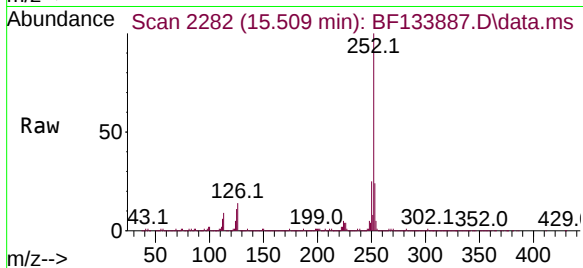
Tgt Ion:252 Resp: 716241

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 10.6 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 17.025 ng m

RT: 17.139 min Scan# 2559

Delta R.T. 0.018 min

Lab File: BF133887.D

Acq: 21 Jun 2023 23:50

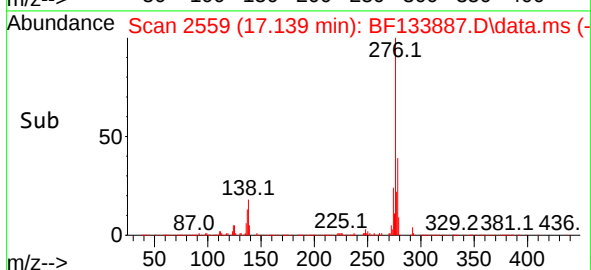
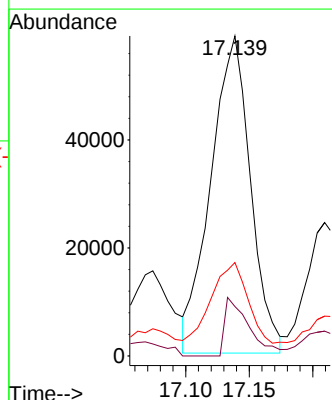
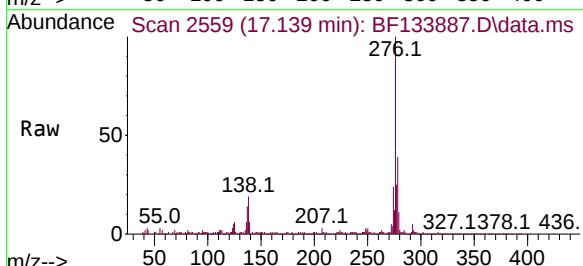
Tgt Ion:278 Resp: 127803

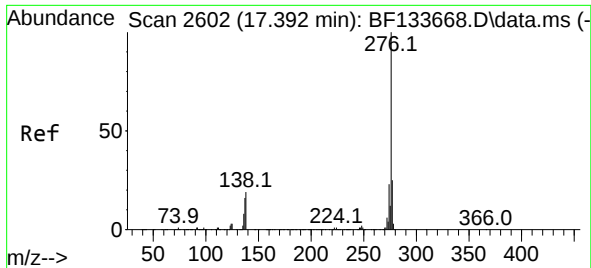
Ion Ratio Lower Upper

278 100

139 15.4 11.4 17.2

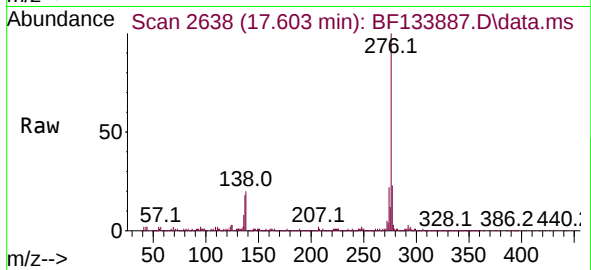
279 29.2 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 58.234 ng
 RT: 17.603 min Scan# 20
 Delta R.T. 0.029 min
 Lab File: BF133887.D
 Acq: 21 Jun 2023 23:50

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



Tgt Ion: 276 Resp: 433430

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.8	29.8
138	20.0	15.0	22.4

