

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 :
 SB-03-4.0-6.0DL

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)

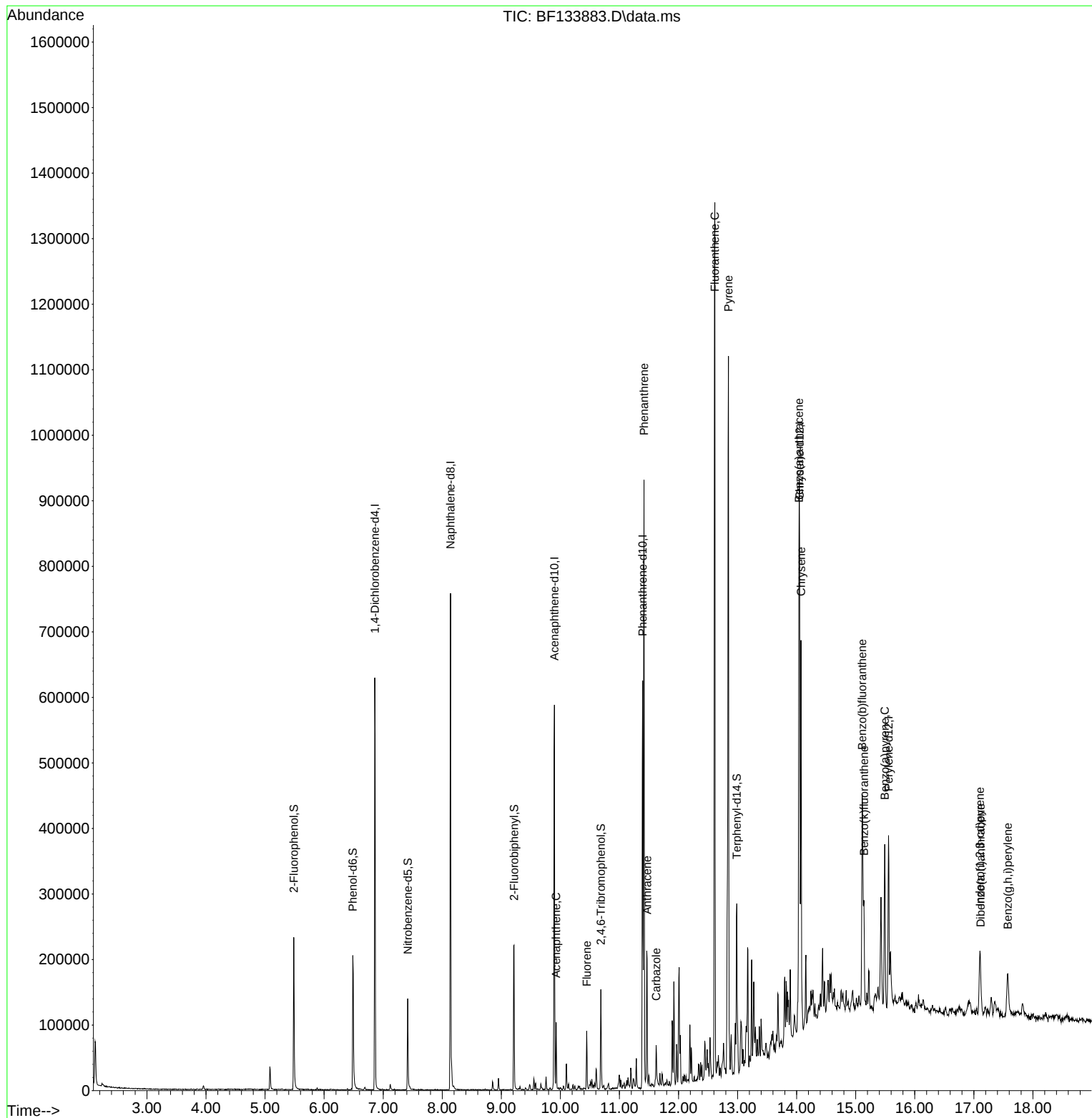
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	91092	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	300379	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	114248	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	222166	20.000	ng	0.00
76) Chrysene-d12	14.051	240	171725	20.000	ng	0.00
86) Perylene-d12	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
52) Acenaphthene	9.927	154	18627	2.766	ng	96
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	200416m	27.513	ng	
89) Benzo(k)fluoranthene	15.139	252	49132m	6.924	ng	
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

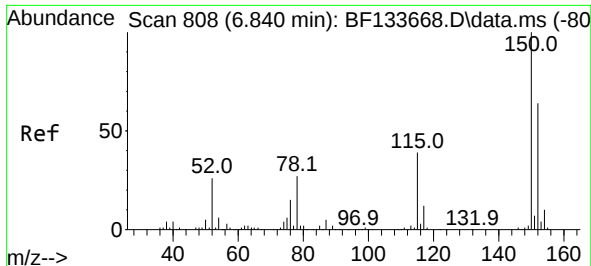
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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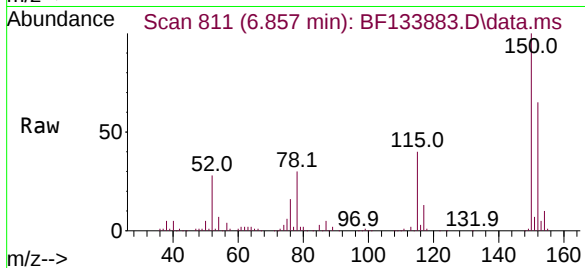
Quant Time: Jun 22 06:00:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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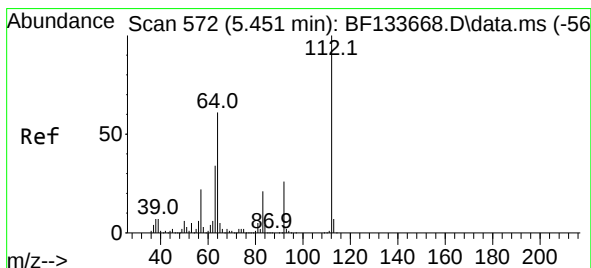
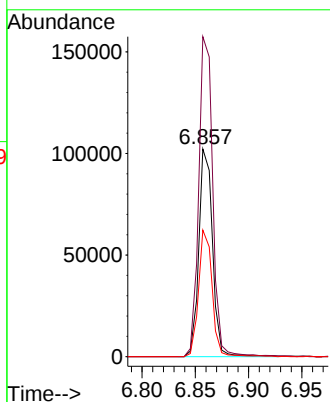
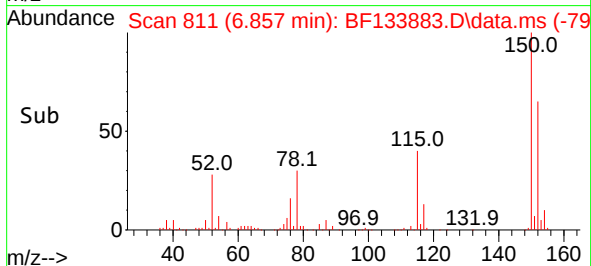


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

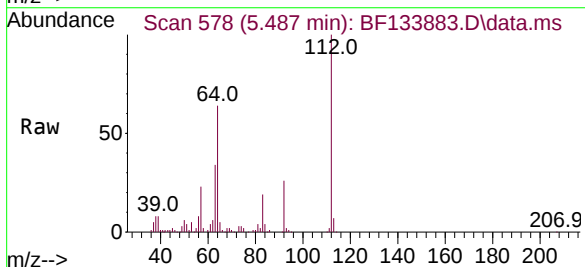
Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0DL



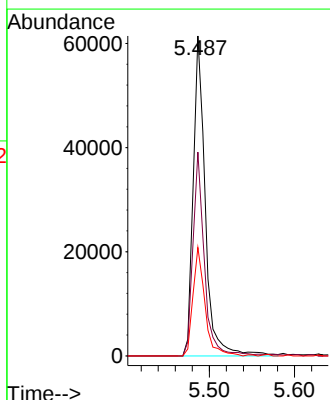
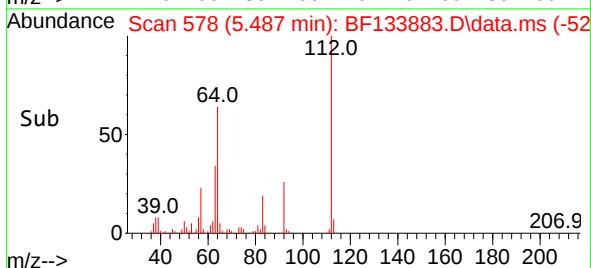
Tgt Ion:152 Resp: 91092
Ion Ratio Lower Upper
152 100
150 154.2 124.3 186.5
115 60.9 48.5 72.7

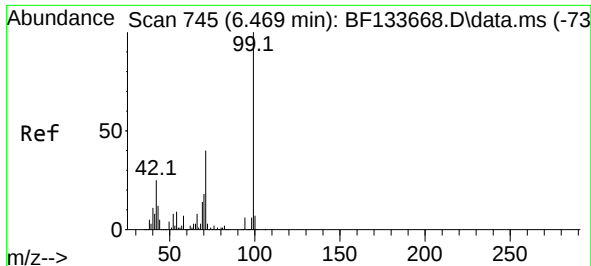


#5
2-Fluorophenol
Concen: 11.601 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42



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

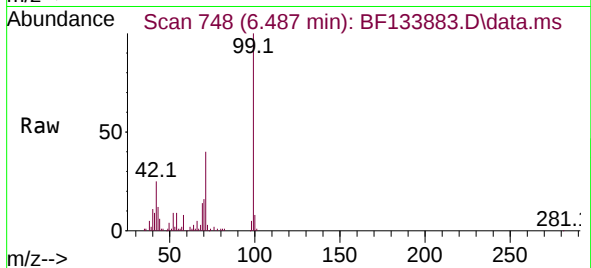
Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

SB-03-4.0-6.0DL



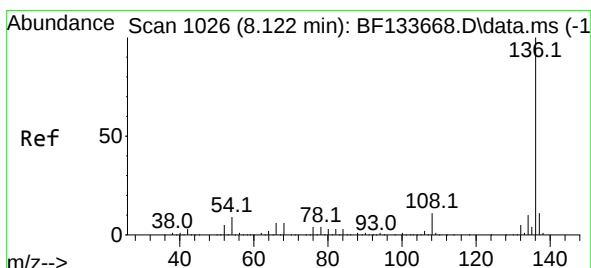
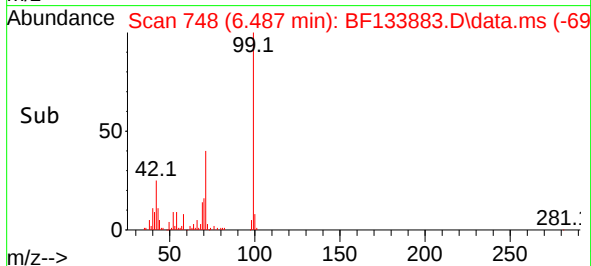
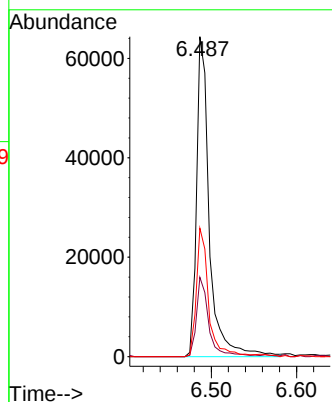
Tgt Ion: 99 Resp: 67099

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

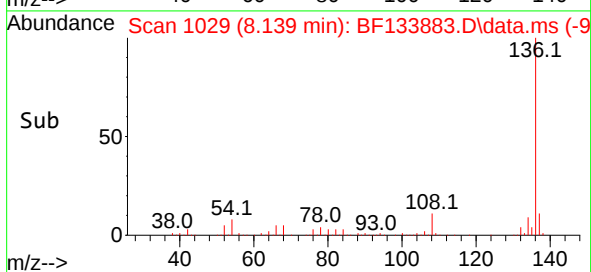
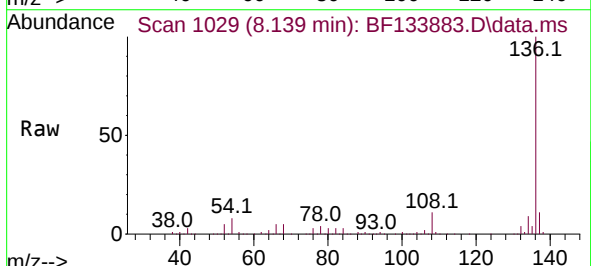
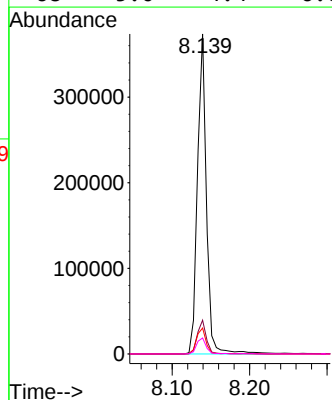
Ion Ratio Lower Upper

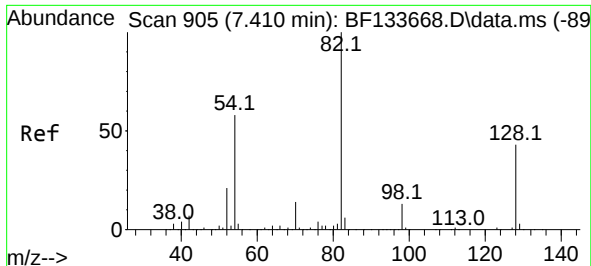
136 100

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# 905

Delta R.T. -0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

SB-03-4.0-6.0DL

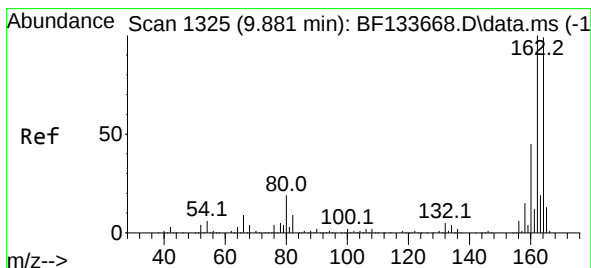
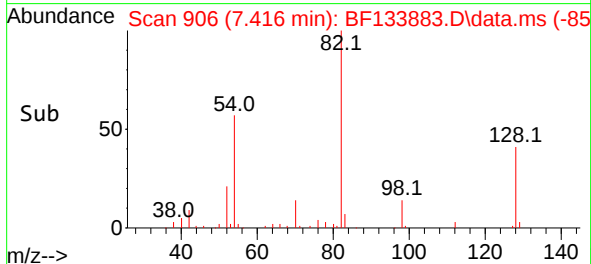
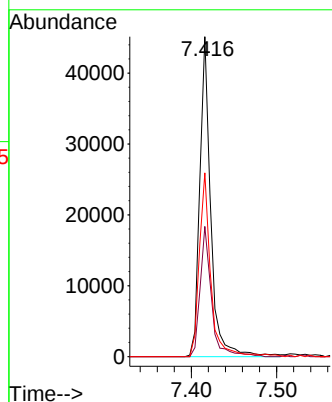
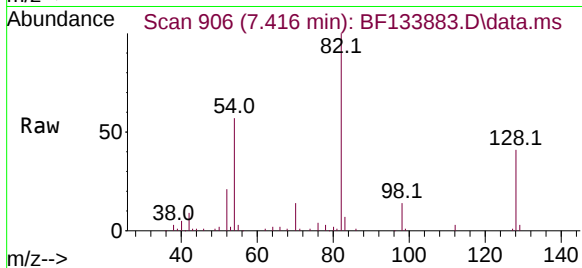
Tgt Ion: 82 Resp: 40432

Ion Ratio Lower Upper

82 100

128 40.7 34.2 51.2

54 57.4 46.5 69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.000 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

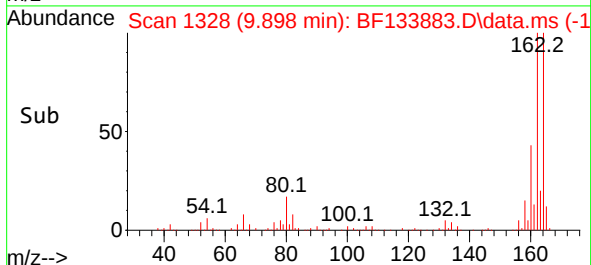
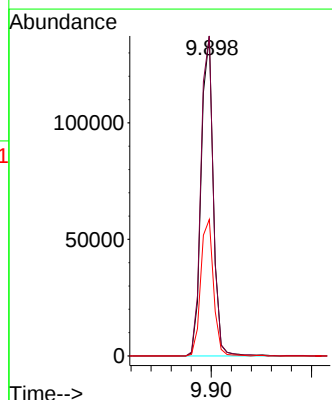
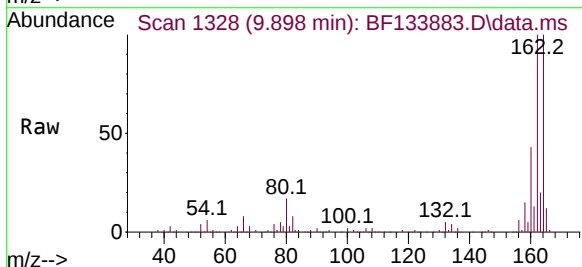
Tgt Ion:164 Resp: 114248

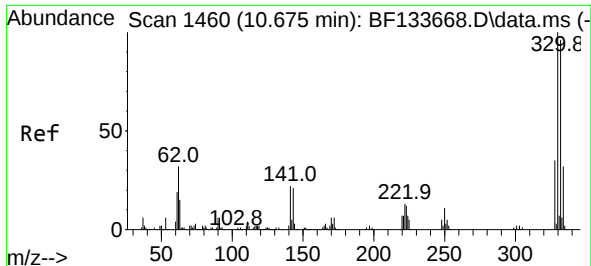
Ion Ratio Lower Upper

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

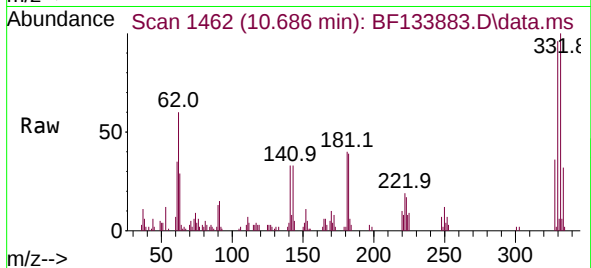
Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

SB-03-4.0-6.0DL



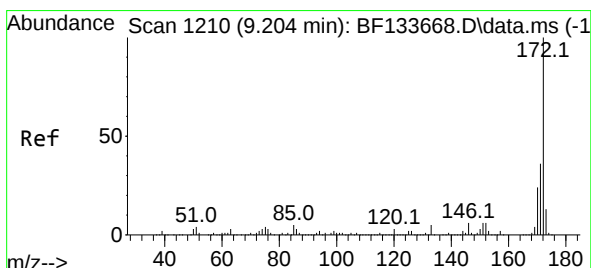
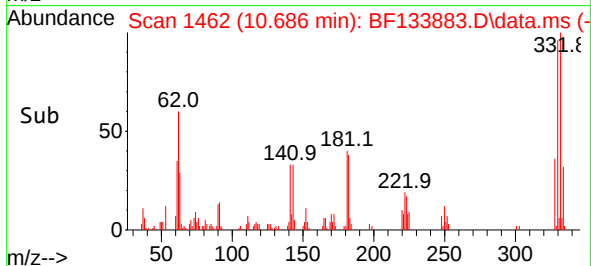
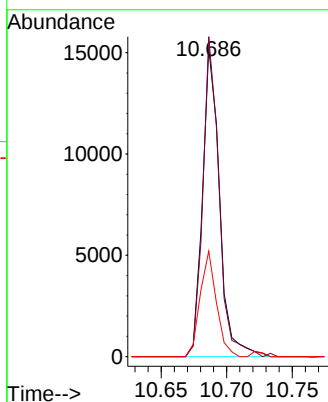
Tgt Ion:330 Resp: 13729

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# 1212

Delta R.T. -0.000 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

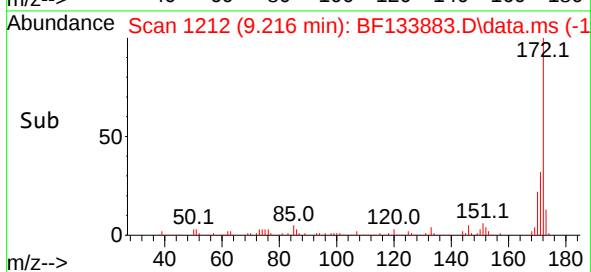
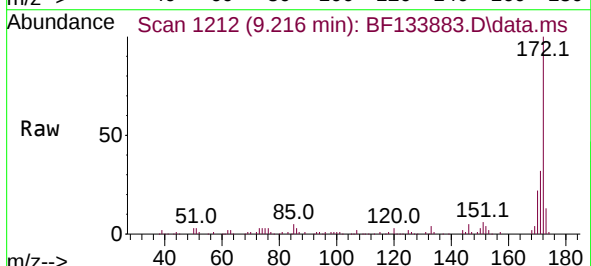
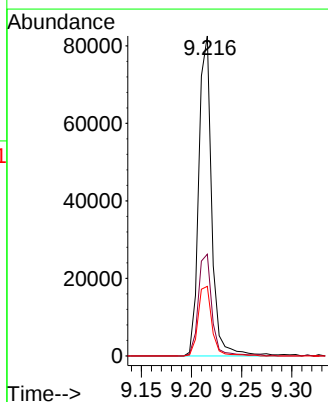
Tgt Ion:172 Resp: 73780

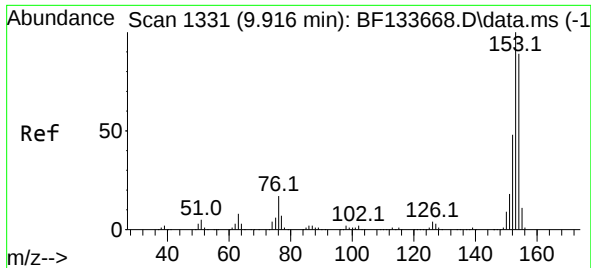
Ion Ratio Lower Upper

172 100

171 31.8 28.6 43.0

170 21.7 19.1 28.7

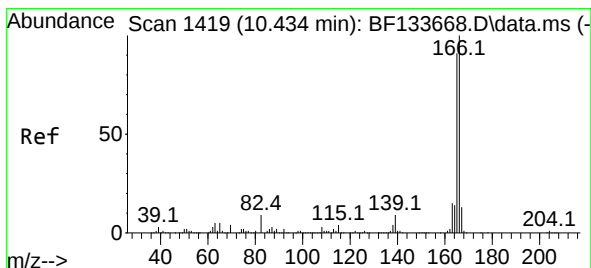
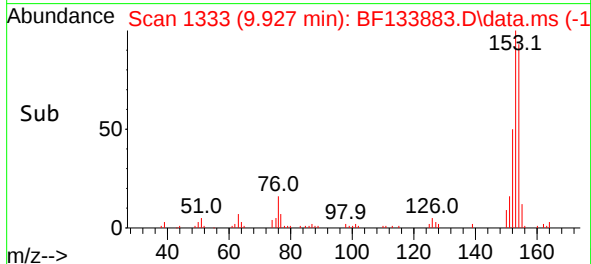
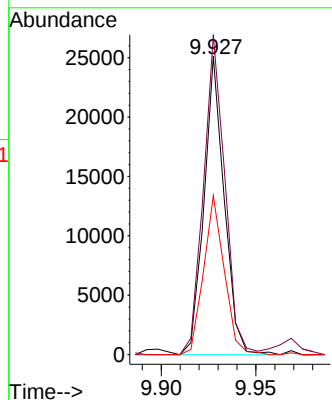
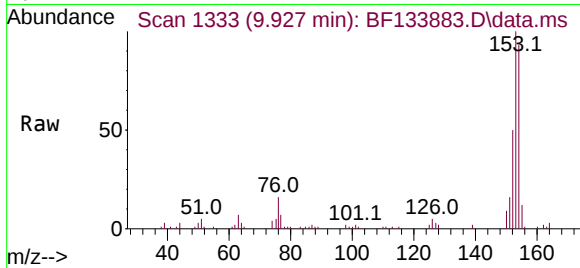




#52
Acenaphthene
Concen: 2.766 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

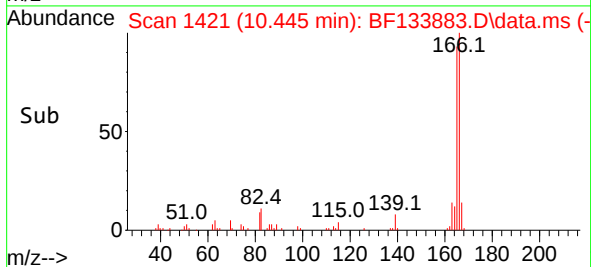
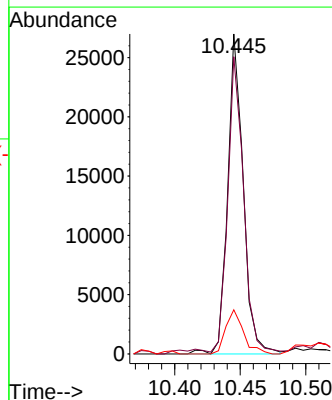
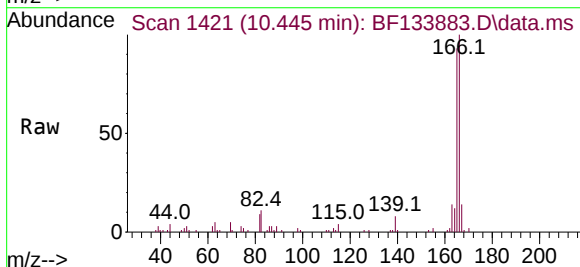
Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0DL

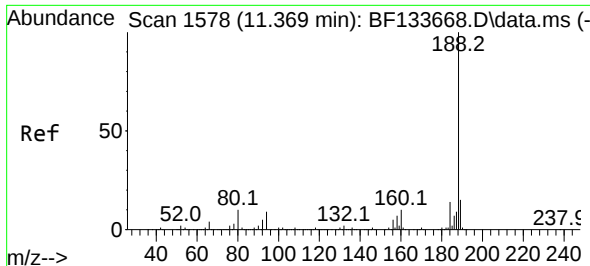
Tgt Ion:154 Resp: 18627
Ion Ratio Lower Upper
154 100
153 107.2 89.8 134.8
152 53.2 43.4 65.2



#58
Fluorene
Concen: 2.847 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

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

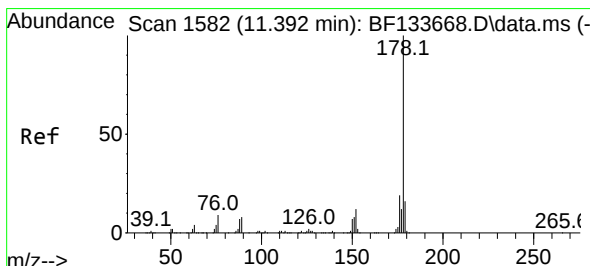
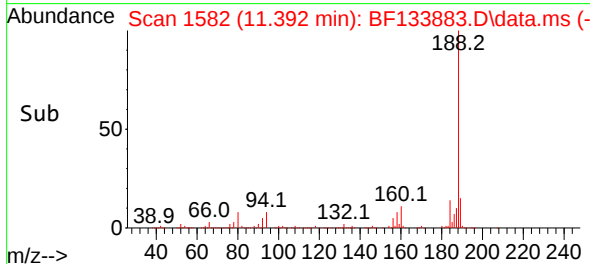
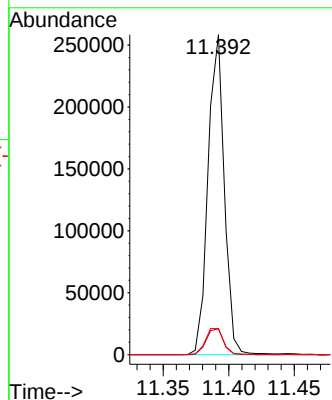
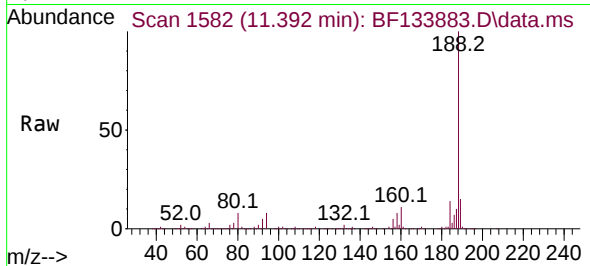




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

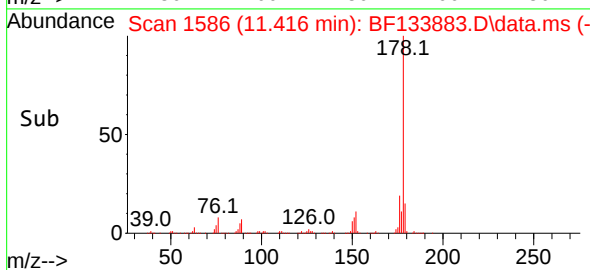
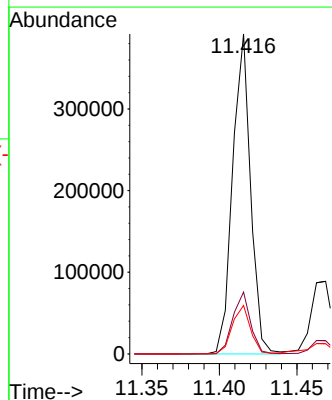
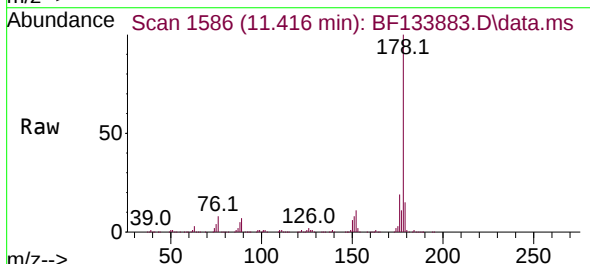
Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0DL

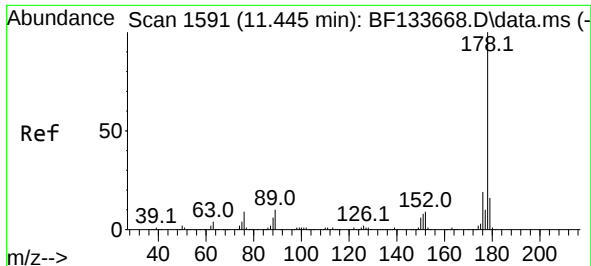
Tgt Ion:188 Resp: 222166
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.2 7.8 11.6



#71
Phenanthrene
Concen: 27.956 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

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

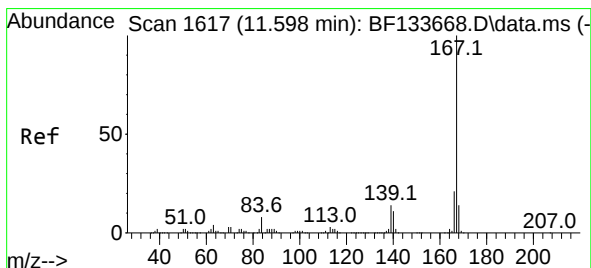
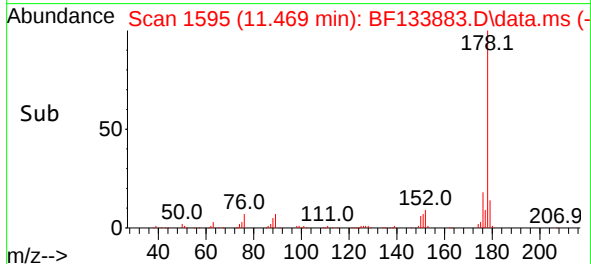
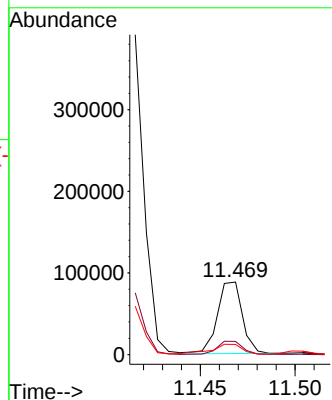
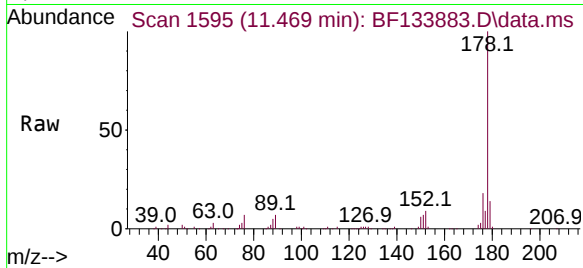




#72
 Anthracene
 Concen: 6.854 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133883.D
 Acq: 21 Jun 2023 21:42

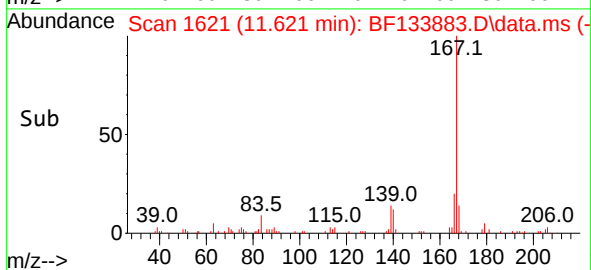
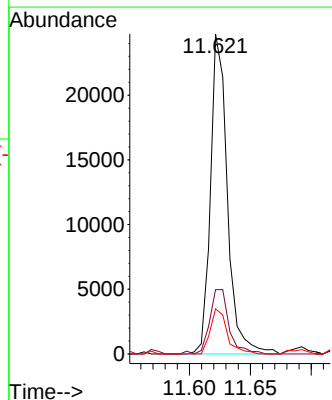
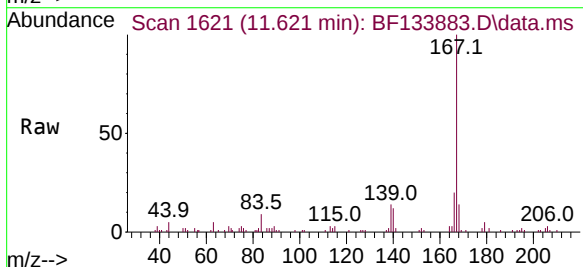
Instrument :
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 ClientSampleId :
 SB-03-4.0-6.0DL

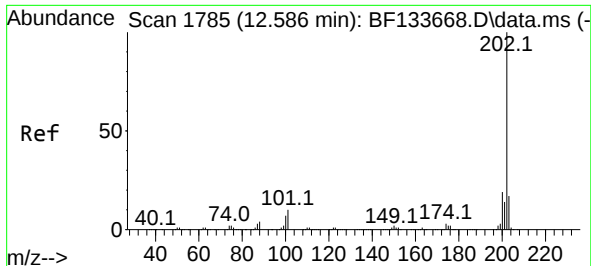
Tgt Ion:178 Resp: 80558
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 14.1 12.6 18.8



#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

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

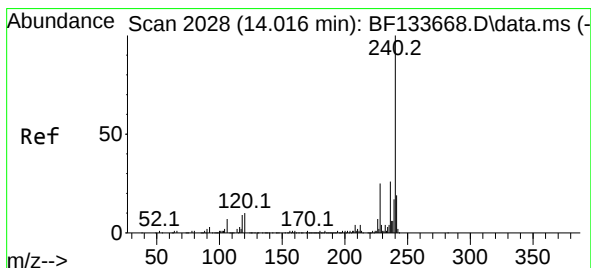
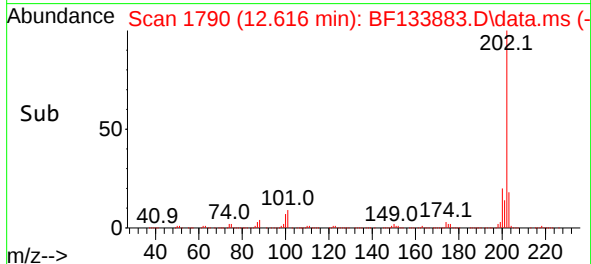
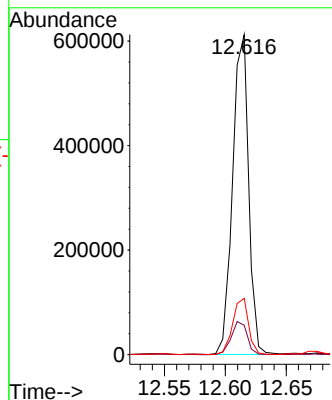
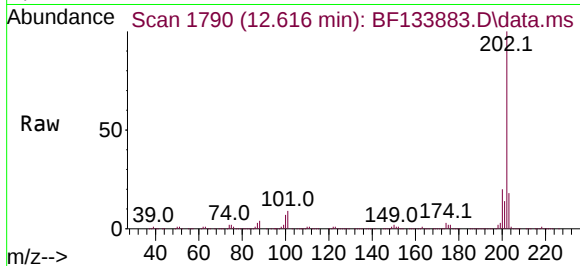




#75
Fluoranthene
Concen: 46.967 ng
RT: 12.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

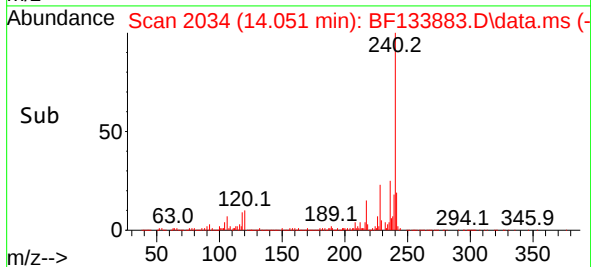
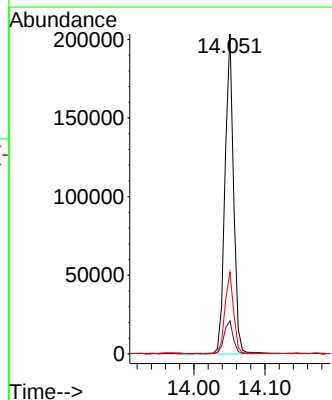
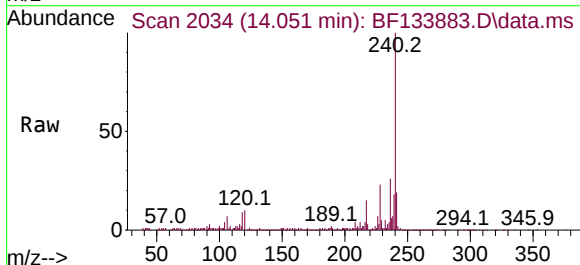
Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0DL

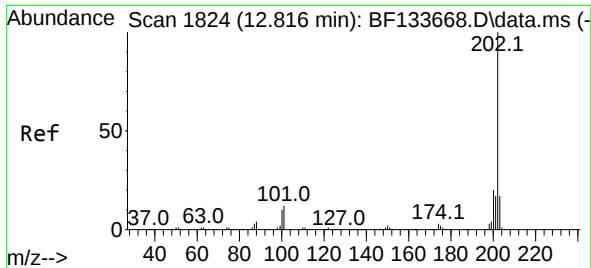
Tgt Ion:202 Resp: 562176
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

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

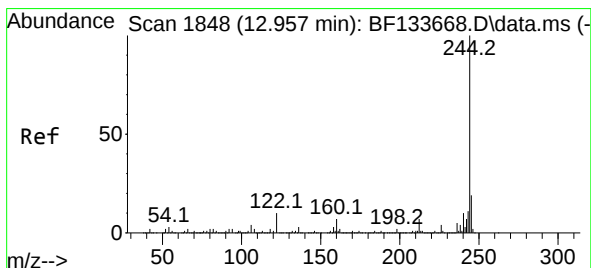
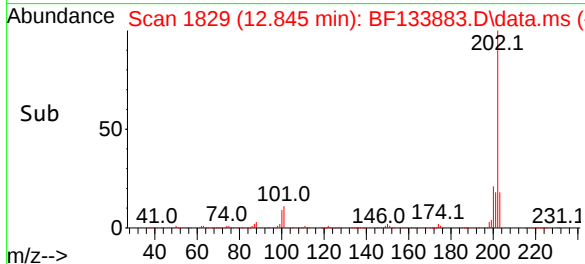
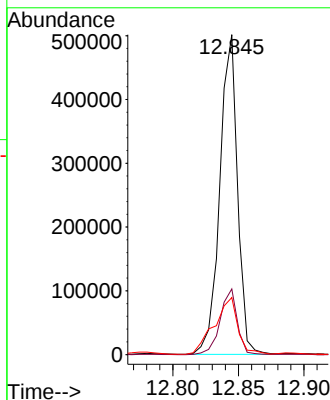
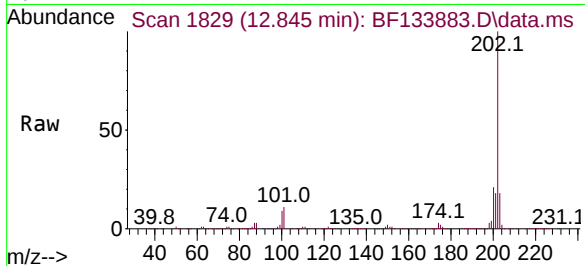




#78
Pyrene
Concen: 29.526 ng
RT: 12.845 min Scan# 1824
Delta R.T. 0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

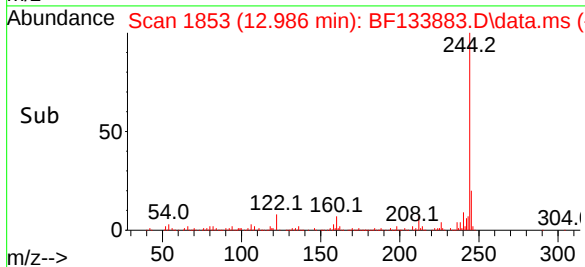
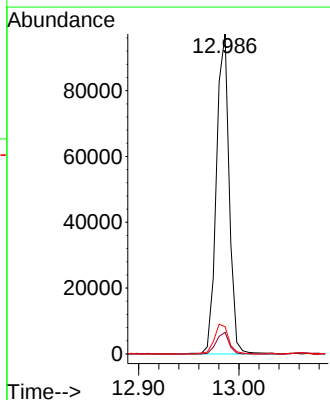
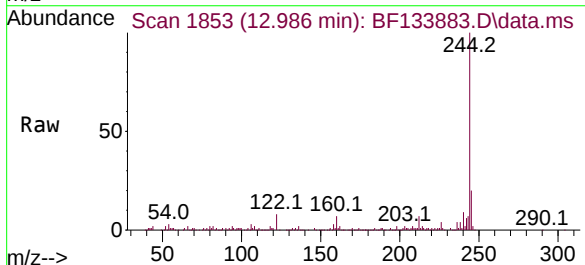
Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0DL

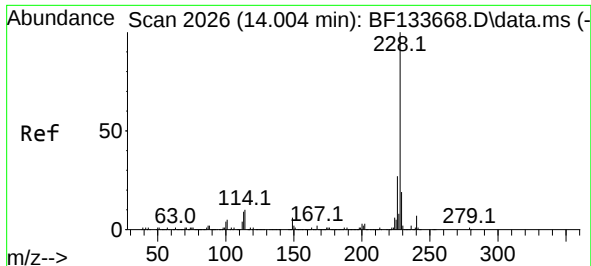
Tgt Ion:202 Resp: 472316
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 17.8 13.9 20.9



#79
Terphenyl-d14
Concen: 7.795 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

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

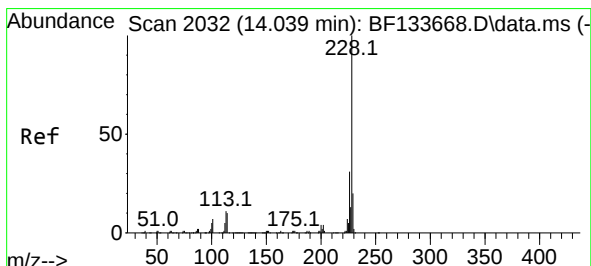
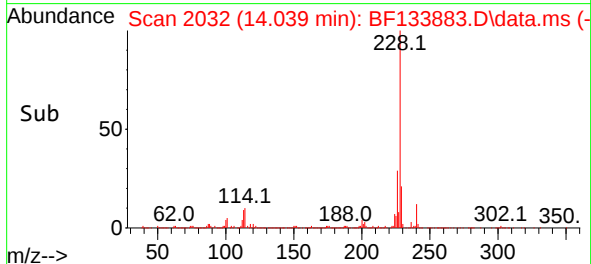
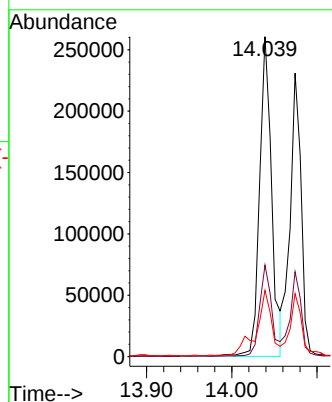
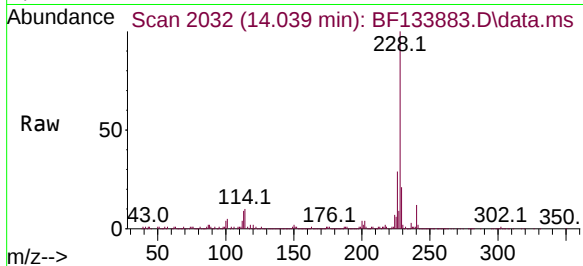




#81
Benzo(a)anthracene
Concen: 21.526 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

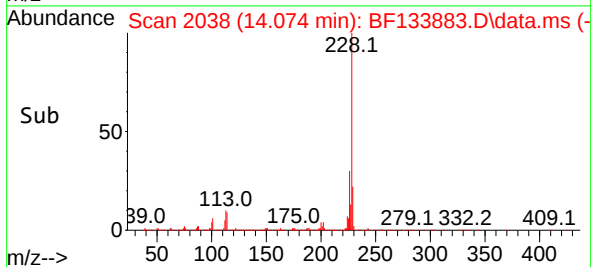
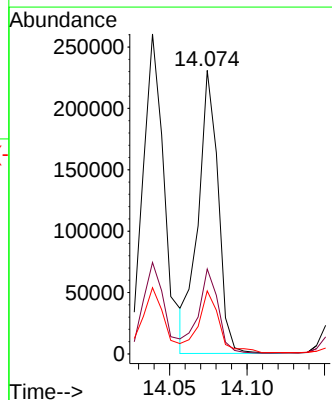
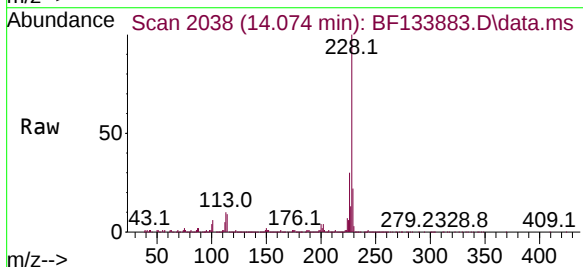
Instrument :
BNA_F
ClientSampleId :
SB-03-4.0-6.0DL

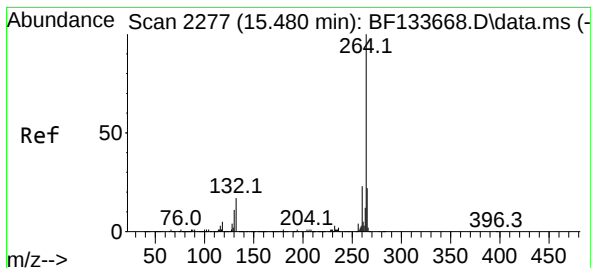
Tgt Ion:228 Resp: 255690
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 20.7 15.4 23.2



#83
Chrysene
Concen: 18.494 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF133883.D
Acq: 21 Jun 2023 21:42

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# 21

Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

SB-03-4.0-6.0DL

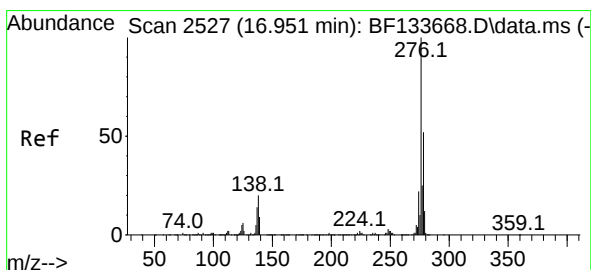
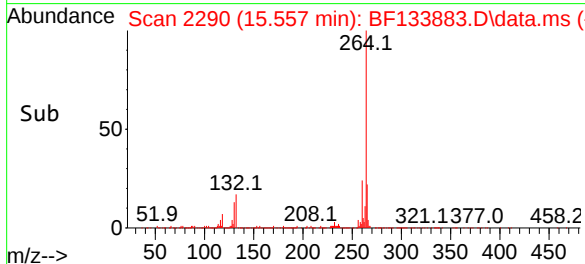
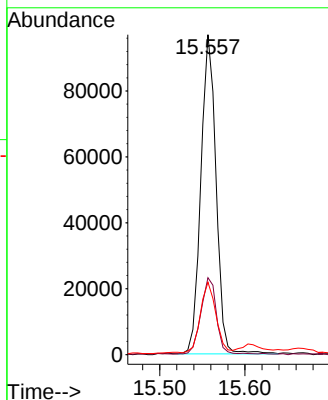
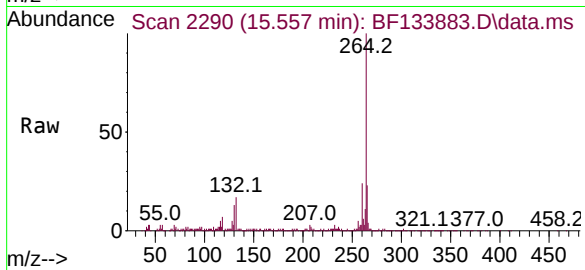
Tgt Ion:264 Resp: 119915

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# 2553

Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

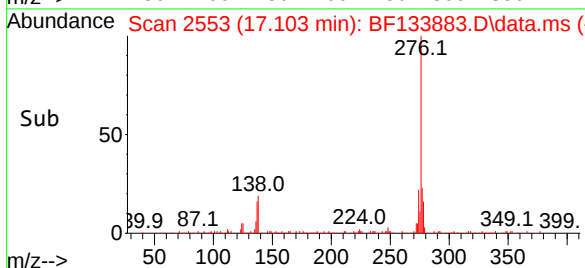
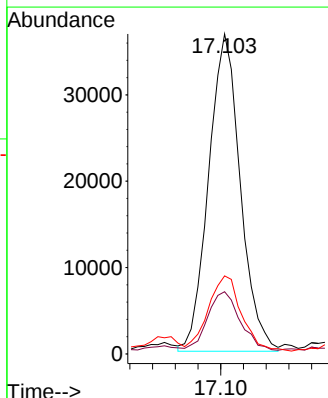
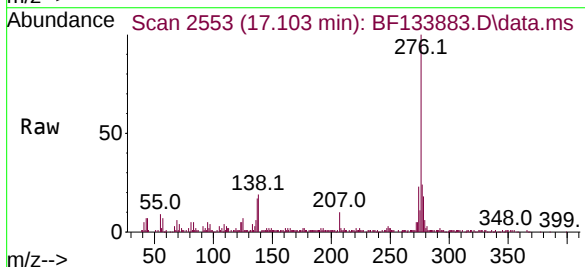
Tgt Ion:276 Resp: 71248

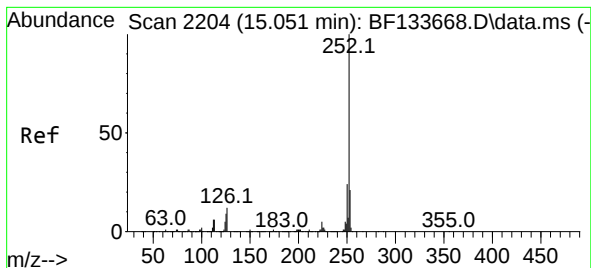
Ion Ratio Lower Upper

276 100

138 19.2 17.9 26.9

277 24.8 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 27.513 ng m

RT: 15.109 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

SB-03-4.0-6.0DL

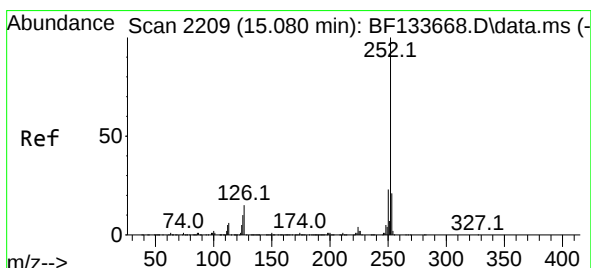
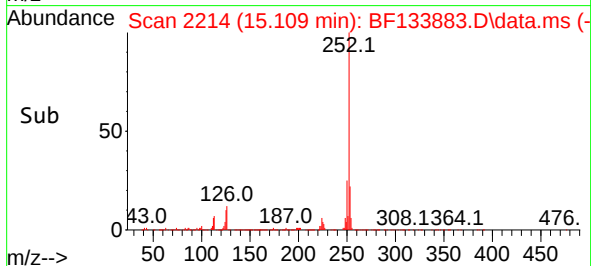
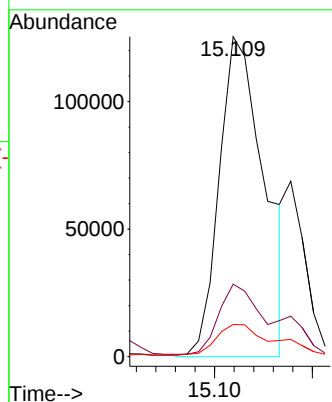
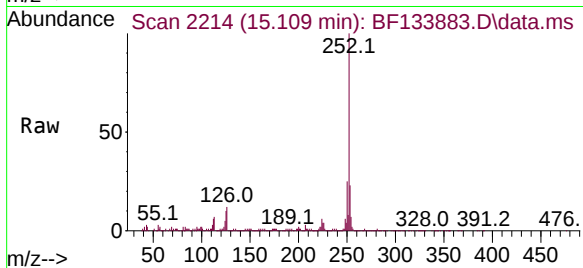
Tgt Ion:252 Resp: 200416

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: 6.924 ng m

RT: 15.139 min Scan# 2219

Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

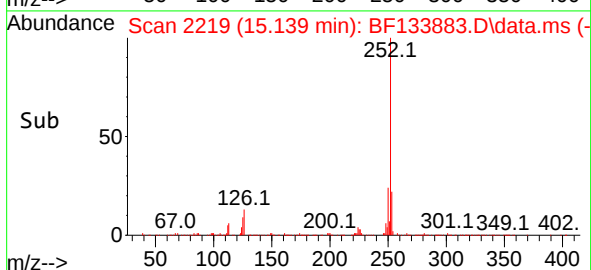
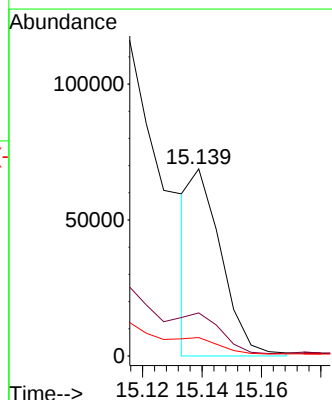
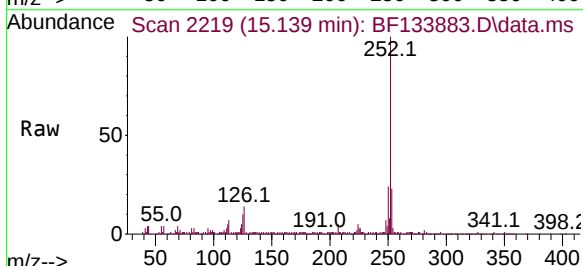
Tgt Ion:252 Resp: 49132

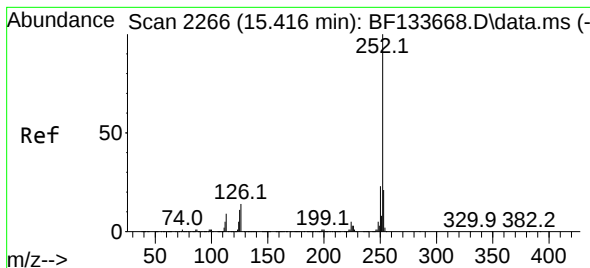
Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

125 9.8 7.8 11.6





#90

Benzo(a)pyrene

Concen: 18.046 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

Instrument :

BNA_F

ClientSampleId :

SB-03-4.0-6.0DL

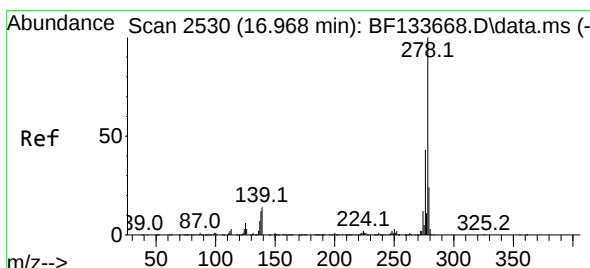
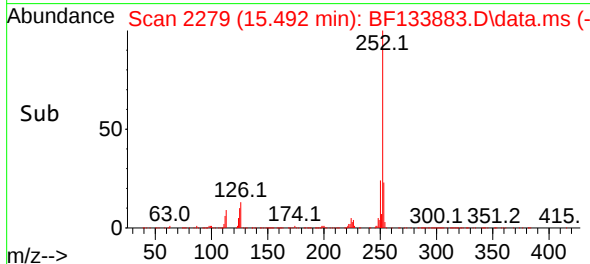
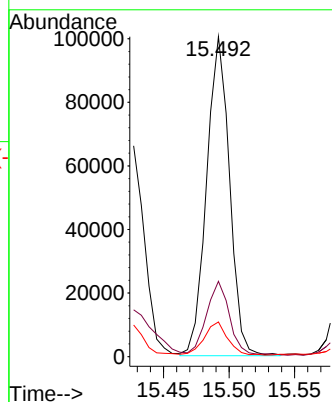
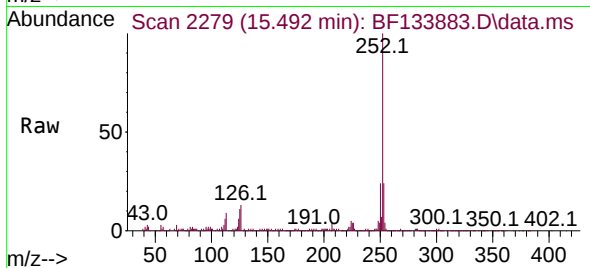
Tgt Ion:252 Resp: 121998

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# 2555

Delta R.T. -0.006 min

Lab File: BF133883.D

Acq: 21 Jun 2023 21:42

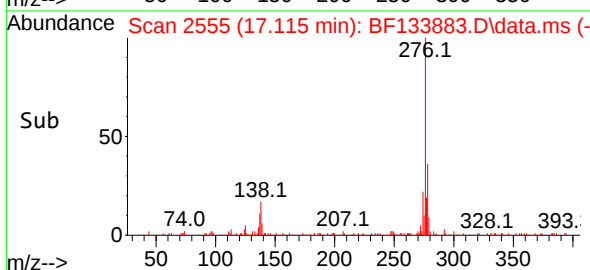
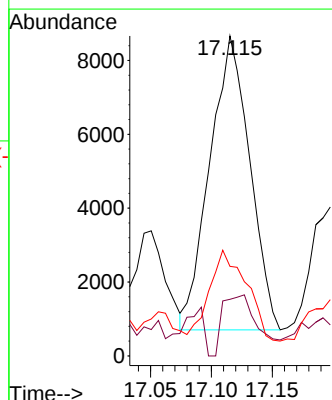
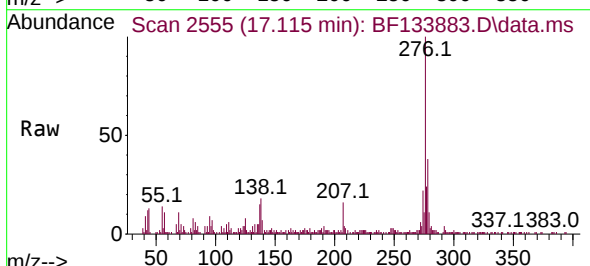
Tgt Ion:278 Resp: 18170

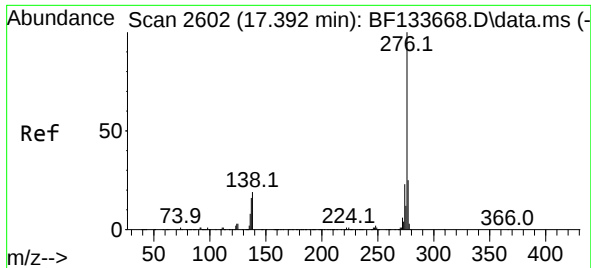
Ion Ratio Lower Upper

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# 2602
 Delta R.T. -0.000 min
 Lab File: BF133883.D
 Acq: 21 Jun 2023 21:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-4.0-6.0DL

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

