

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140481.D
 Acq On : 19 Nov 2024 18:36
 Operator : RC/JU
 Sample : P4849-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RR-1

Quant Time: Nov 20 00:10:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

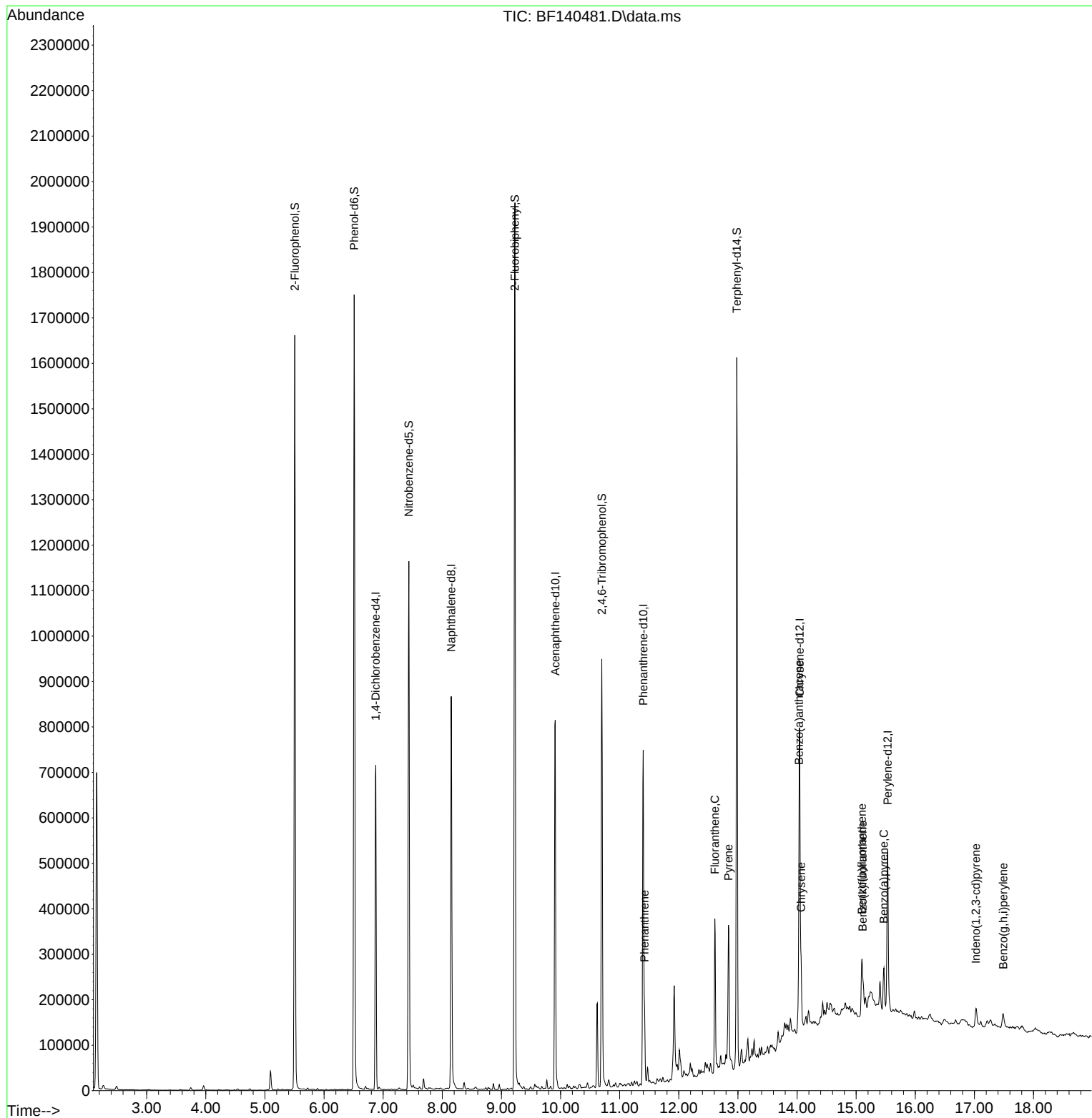
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	154370	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	549505	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	258001	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	399246	20.000	ng	0.00
76) Chrysene-d12	14.045	240	267445	20.000	ng	0.00
86) Perylene-d12	15.533	264	205011	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	624299	69.050	ng	0.01
7) Phenol-d6	6.510	99	837416	68.363	ng	0.00
23) Nitrobenzene-d5	7.434	82	535230	50.749	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	159700	62.246	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	908953	56.635	ng	0.00
79) Terphenyl-d14	12.980	244	750246	48.693	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	83810	4.469	ng	98
75) Fluoranthene	12.610	202	194011	9.220	ng	99
78) Pyrene	12.839	202	187461	8.194	ng	98
81) Benzo(a)anthracene	14.033	228	104757	5.960	ng	97
83) Chrysene	14.069	228	80177	4.999	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	29972	2.367	ng	97
88) Benzo(b)fluoranthene	15.098	252	78716m	5.870	ng	
89) Benzo(k)fluoranthene	15.110	252	34777m	3.174	ng	
90) Benzo(a)pyrene	15.469	252	57733	5.544	ng	98
92) Benzo(g,h,i)perylene	17.486	276	30026	2.806	ng	98

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

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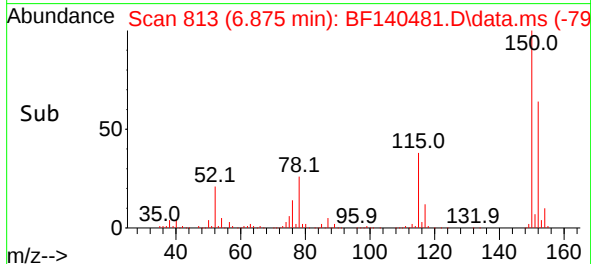
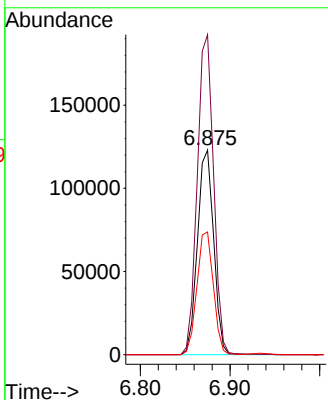
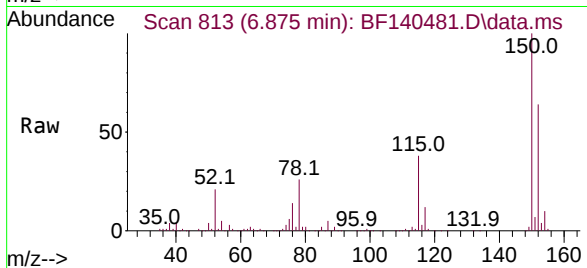




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

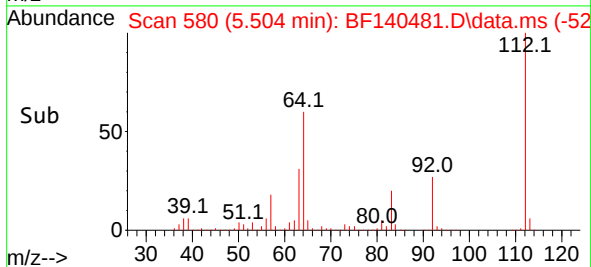
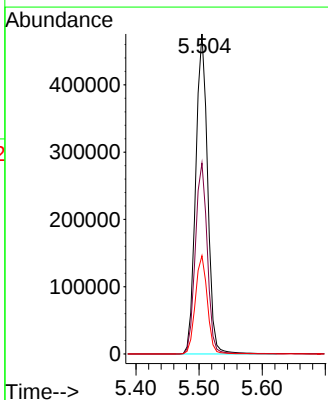
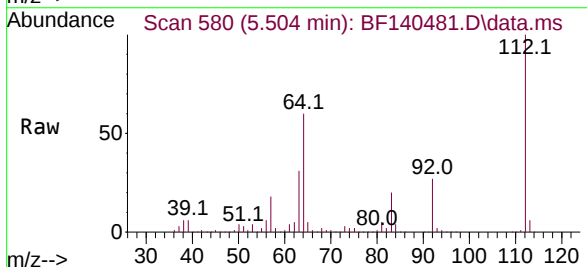
Instrument :
BNA_F
ClientSampleId :
RR-1

Tgt Ion:152 Resp: 154370
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.0
115 60.0 47.4 71.2



#5
2-Fluorophenol
Concen: 69.050 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

Tgt Ion:112 Resp: 624299
Ion Ratio Lower Upper
112 100
64 59.7 49.2 73.8
63 30.7 25.6 38.4





#7

Phenol-d6

Concen: 68.363 ng

RT: 6.510 min Scan# 70

Delta R.T. 0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

Instrument :

BNA_F

ClientSampleId :

RR-1

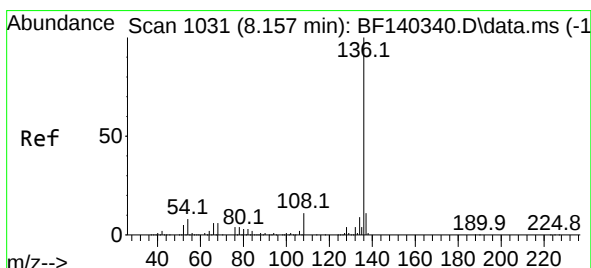
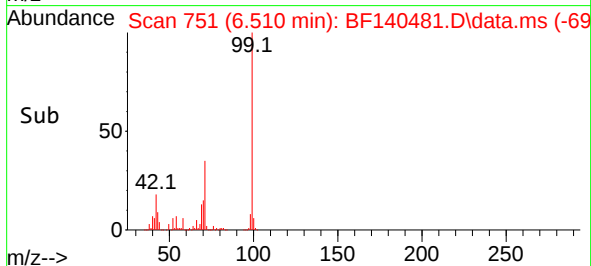
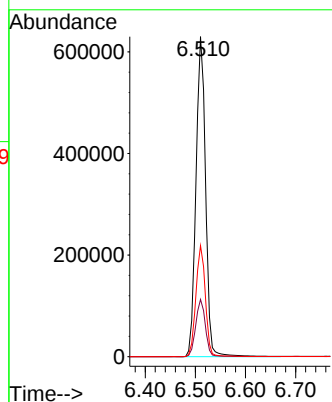
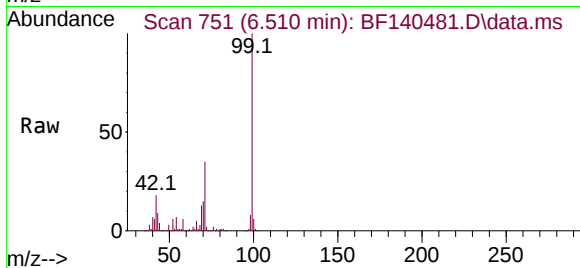
Tgt Ion: 99 Resp: 837416

Ion Ratio Lower Upper

99 100

42 17.9 15.1 22.7

71 34.7 27.9 41.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

Tgt Ion: 136 Resp: 549505

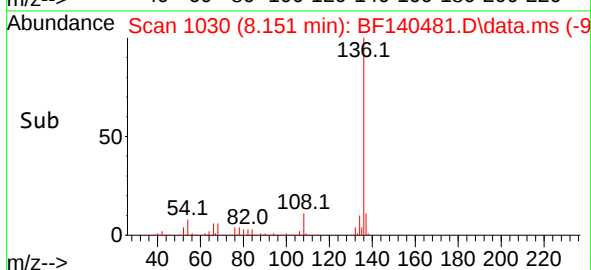
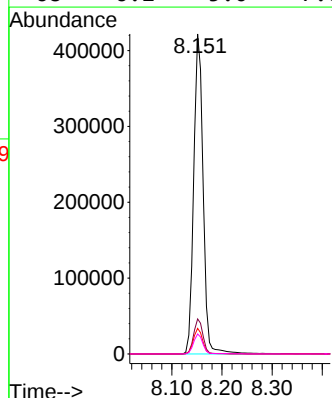
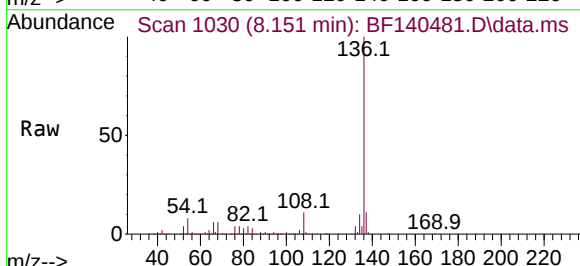
Ion Ratio Lower Upper

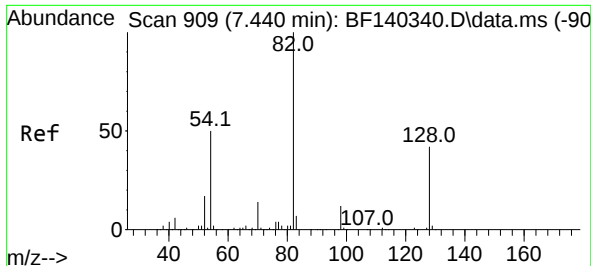
136 100

137 10.9 8.7 13.1

54 8.0 6.5 9.7

68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 50.749 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

Instrument :

BNA_F

ClientSampleId :

RR-1

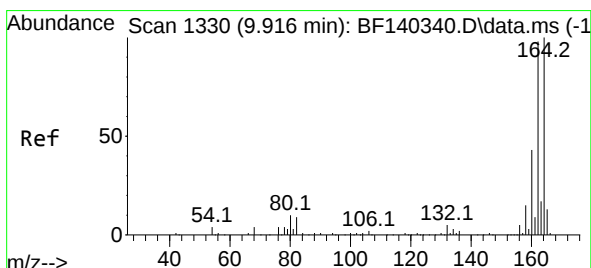
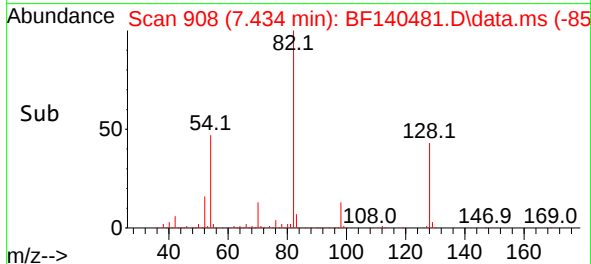
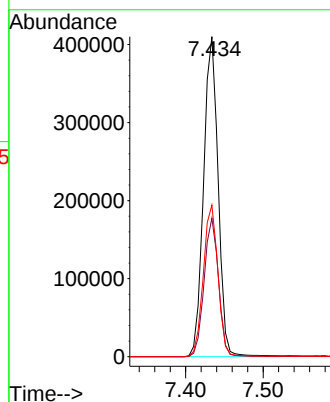
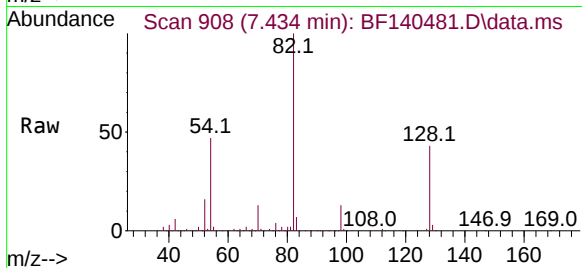
Tgt Ion: 82 Resp: 535230

Ion Ratio Lower Upper

82 100

128 43.3 33.3 49.9

54 47.4 39.8 59.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

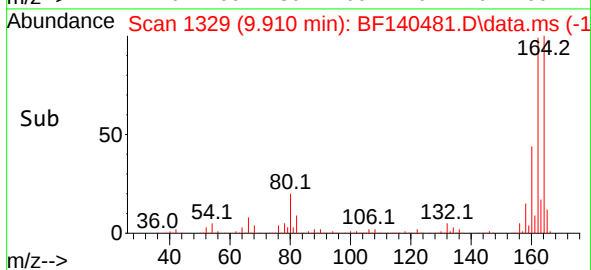
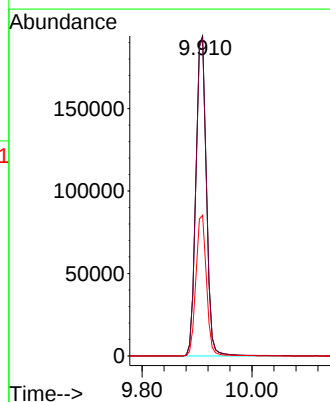
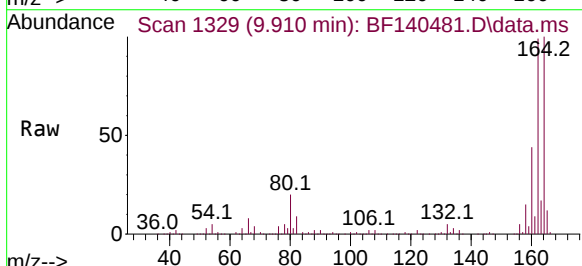
Tgt Ion:164 Resp: 258001

Ion Ratio Lower Upper

164 100

162 99.2 79.8 119.8

160 44.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 62.246 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

Instrument :

BNA_F

ClientSampleId :

RR-1

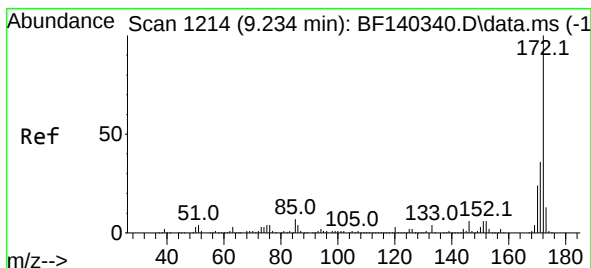
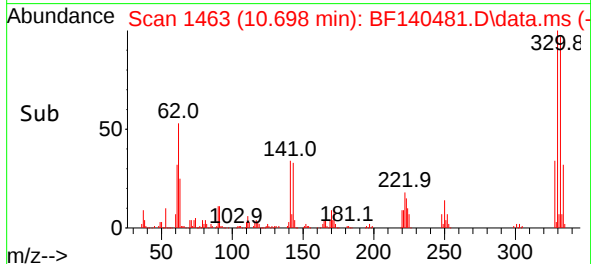
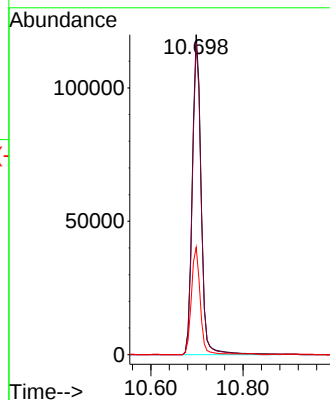
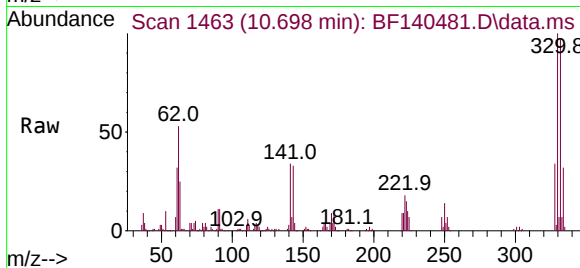
Tgt Ion:330 Resp: 159700

Ion Ratio Lower Upper

330 100

332 96.4 75.9 113.9

141 33.4 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 56.635 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

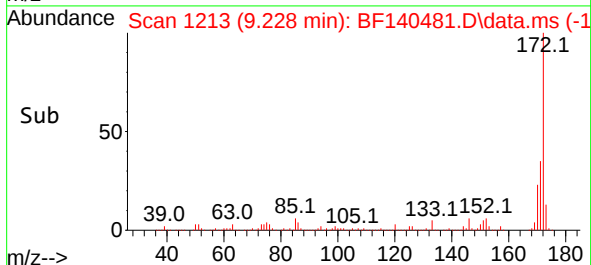
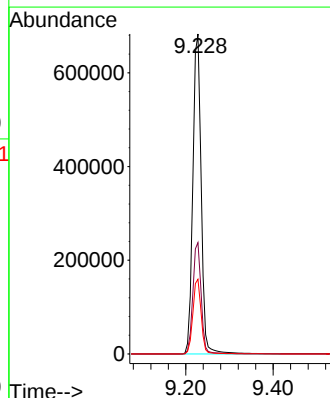
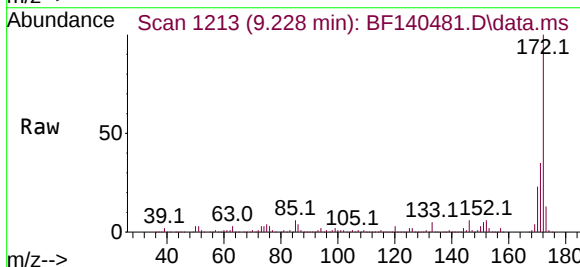
Tgt Ion:172 Resp: 908953

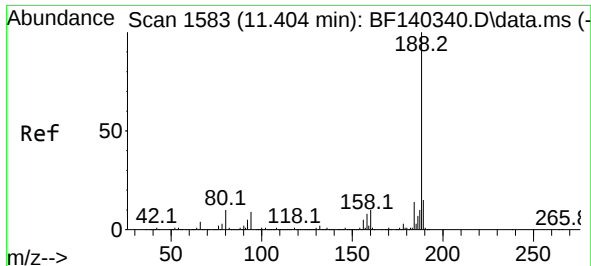
Ion Ratio Lower Upper

172 100

171 34.8 28.5 42.7

170 23.4 19.1 28.7

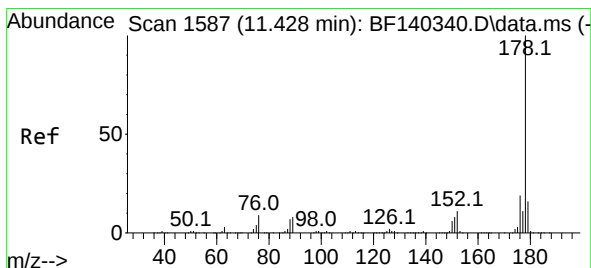
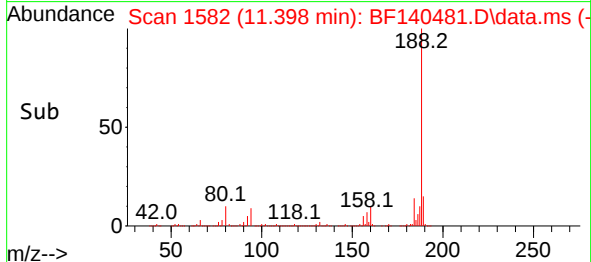
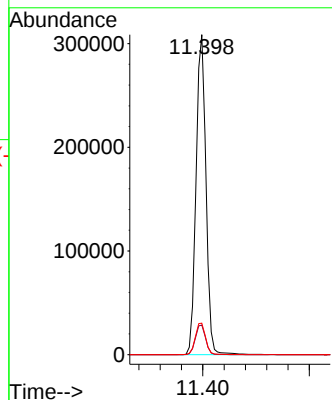
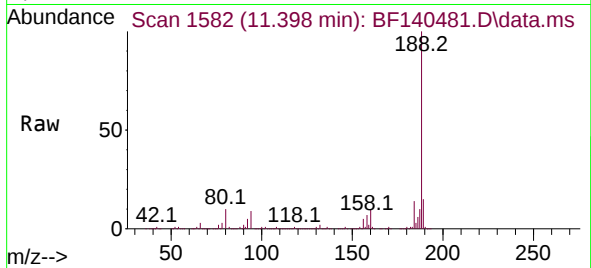




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

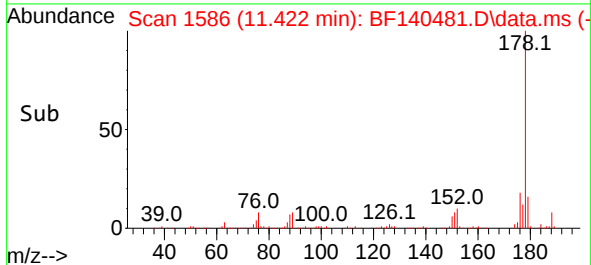
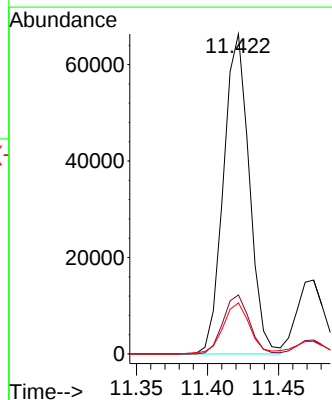
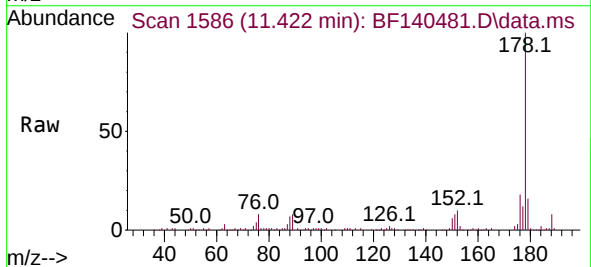
Instrument :
BNA_F
ClientSampleId :
RR-1

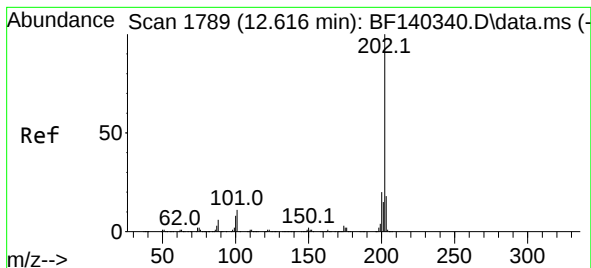
Tgt Ion:188 Resp: 399246
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 9.9 8.0 12.0



#71
Phenanthrene
Concen: 4.469 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

Tgt Ion:178 Resp: 83810
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 16.0 12.4 18.6





#75

Fluoranthene

Concen: 9.220 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

Instrument :

BNA_F

ClientSampleId :

RR-1

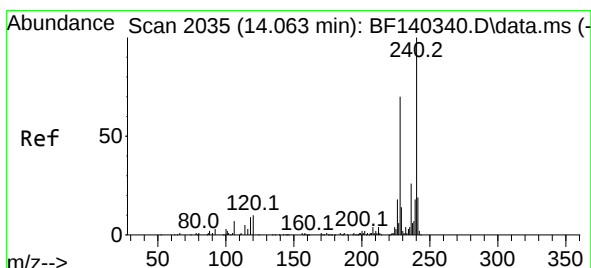
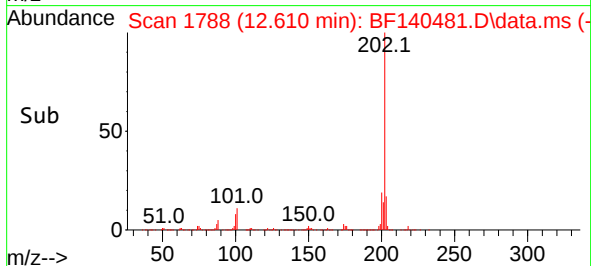
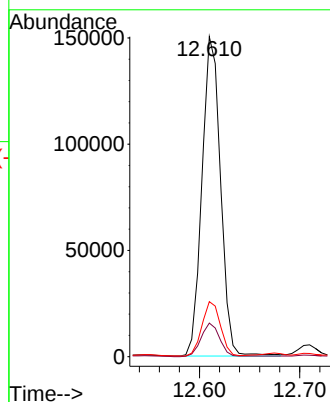
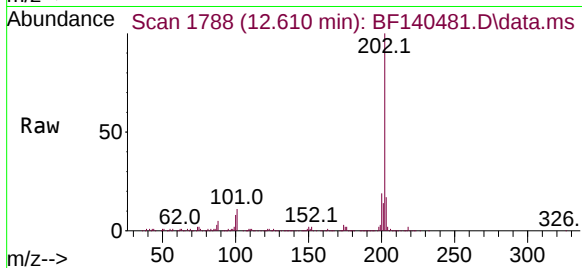
Tgt Ion:202 Resp: 194011

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.7

203 17.2 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

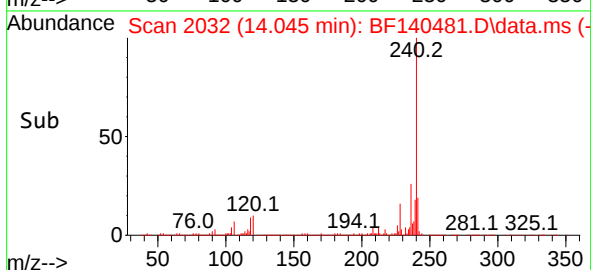
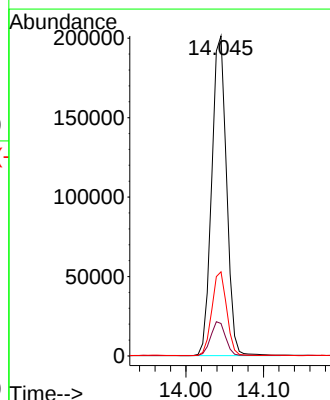
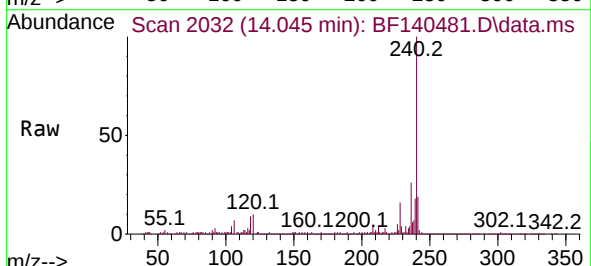
Tgt Ion:240 Resp: 267445

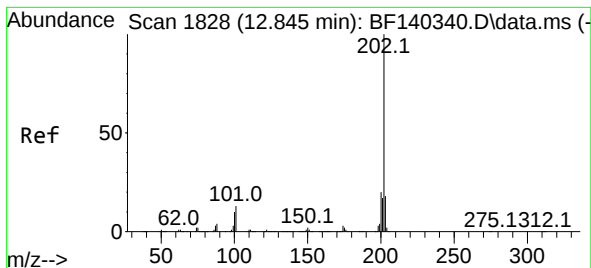
Ion Ratio Lower Upper

240 100

120 10.2 8.8 13.2

236 26.3 20.9 31.3





#78

Pyrene

Concen: 8.194 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

Instrument :

BNA_F

ClientSampleId :

RR-1

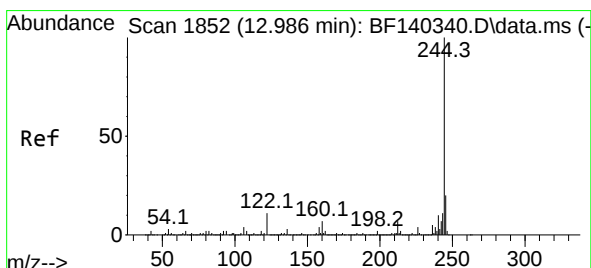
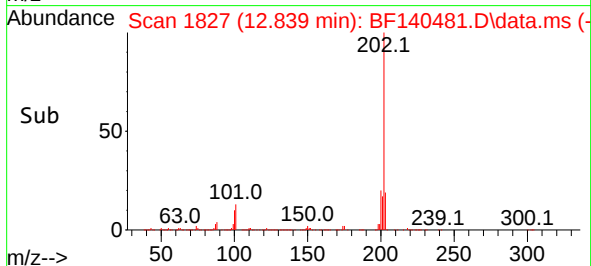
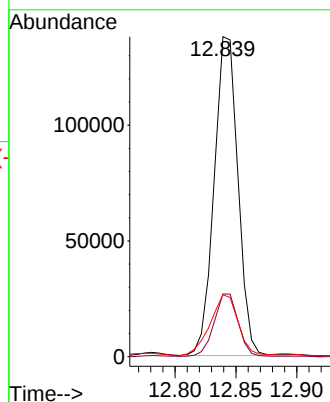
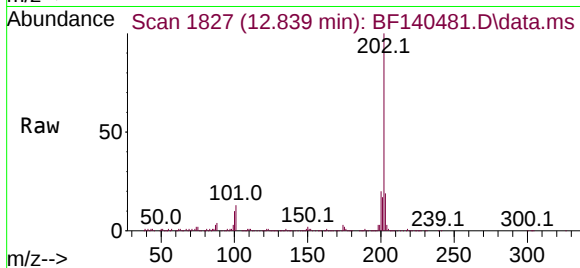
Tgt Ion:202 Resp: 187461

Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 19.4 14.2 21.4



#79

Terphenyl-d14

Concen: 48.693 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

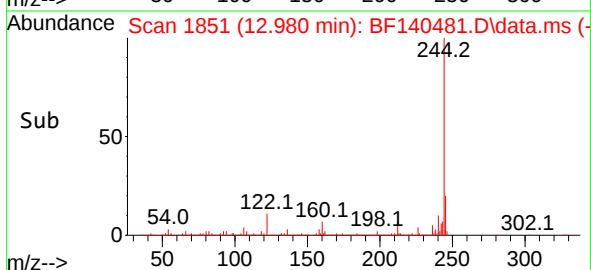
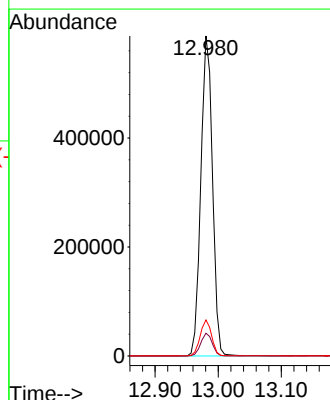
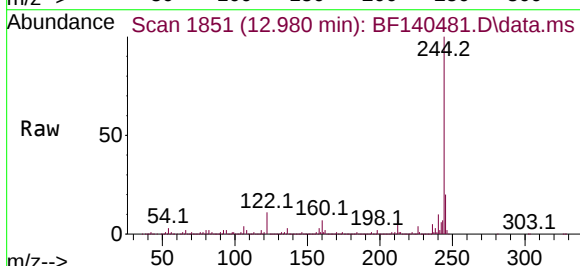
Tgt Ion:244 Resp: 750246

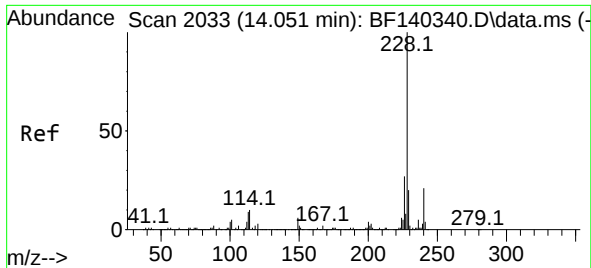
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 11.2 8.8 13.2

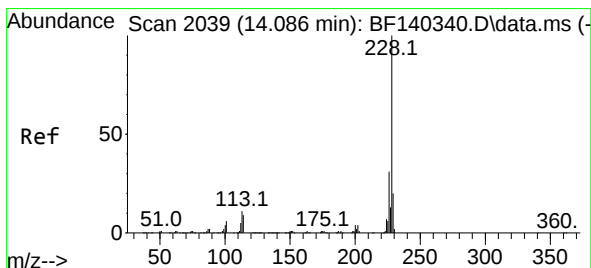
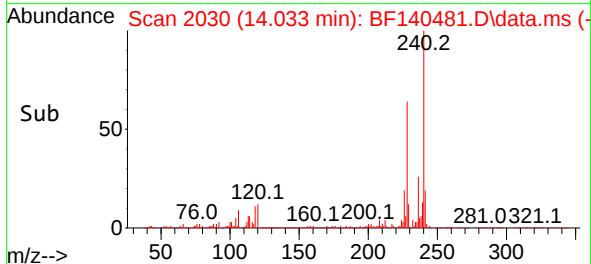
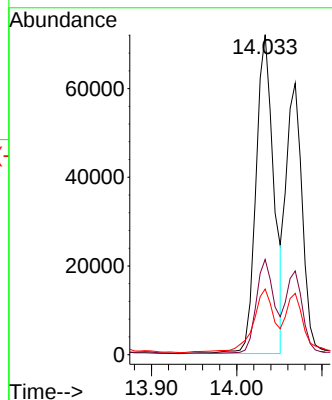
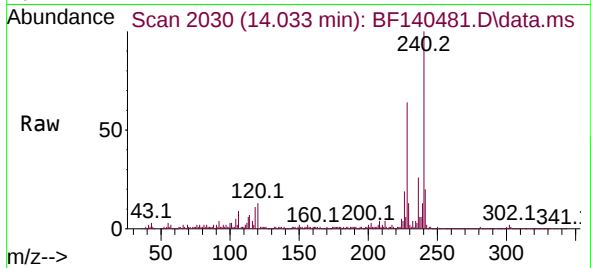




#81
Benzo(a)anthracene
Concen: 5.960 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

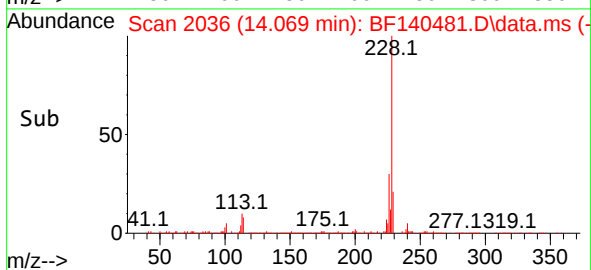
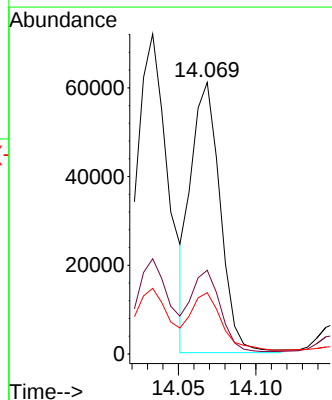
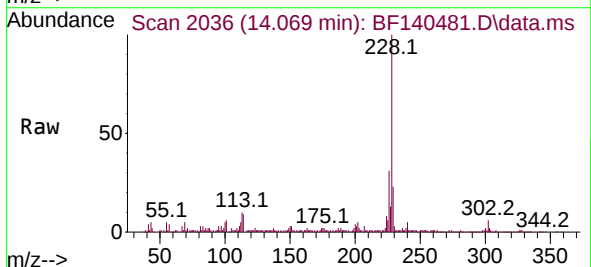
Instrument :
BNA_F
ClientSampleId :
RR-1

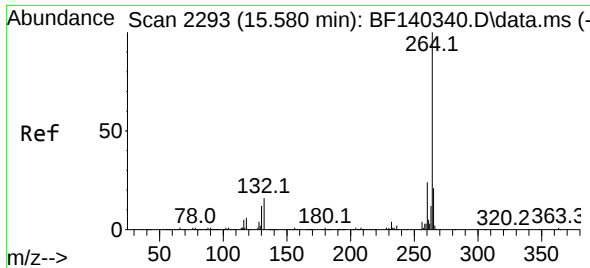
Tgt Ion:228 Resp: 104757
Ion Ratio Lower Upper
228 100
226 29.8 22.2 33.4
229 20.5 15.8 23.6



#83
Chrysene
Concen: 4.999 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

Tgt Ion:228 Resp: 80177
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 22.6 16.0 24.0

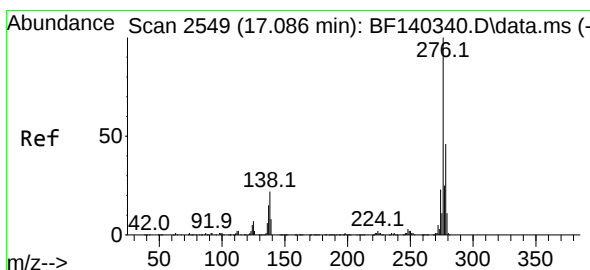
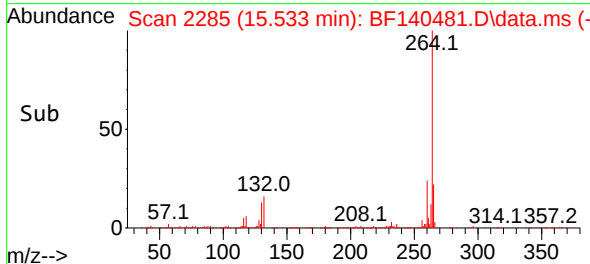
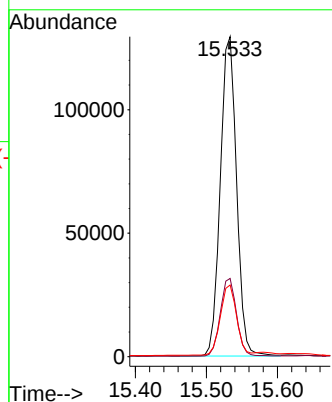
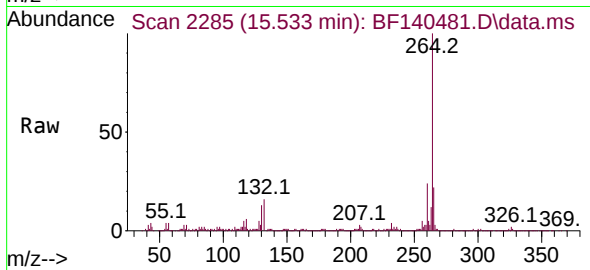




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

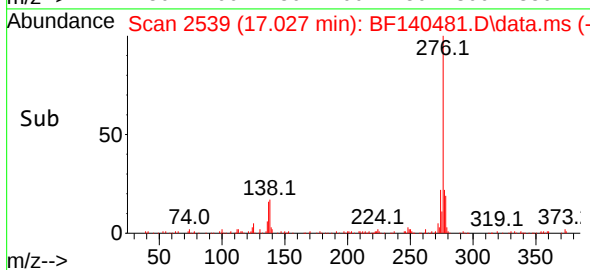
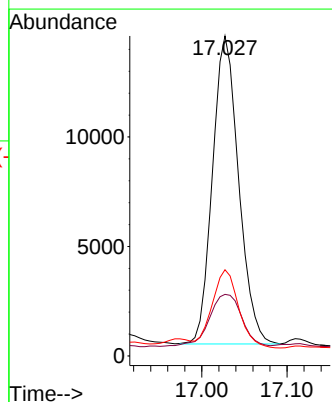
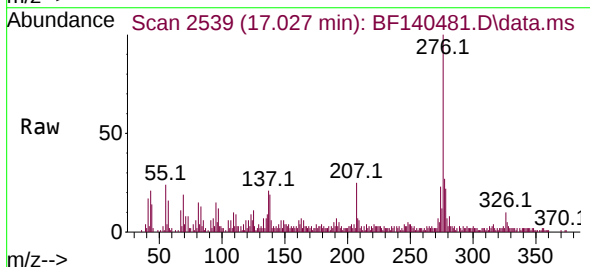
Instrument :
BNA_F
ClientSampleId :
RR-1

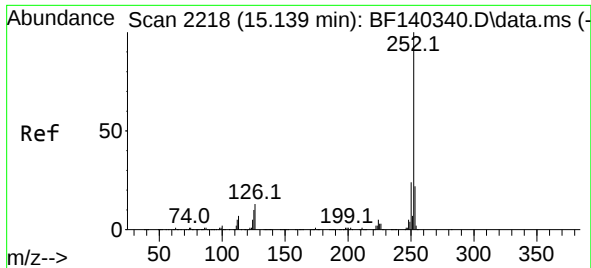
Tgt Ion:264 Resp: 205011
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.4 17.1 25.7



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.367 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.029 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

Tgt Ion:276 Resp: 29972
Ion Ratio Lower Upper
276 100
138 21.4 18.8 28.2
277 25.8 20.2 30.2

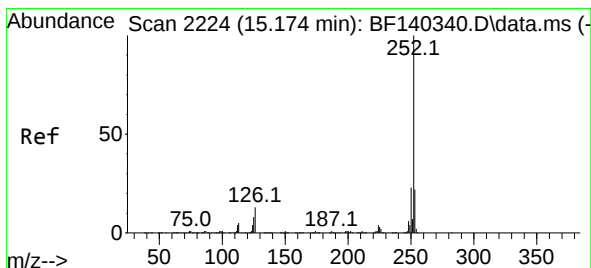
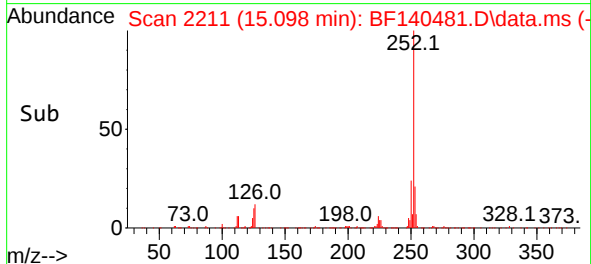
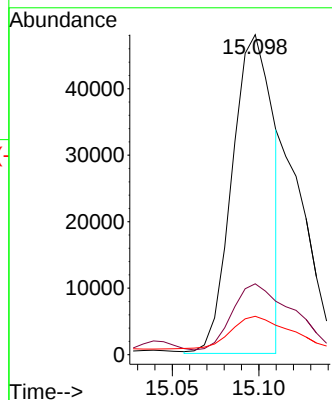
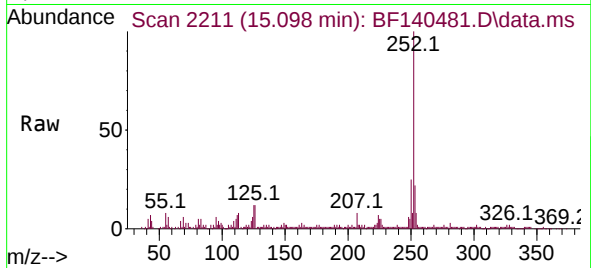




#88
Benzo(b)fluoranthene
Concen: 5.870 ng m
RT: 15.098 min Scan# 2113
Delta R.T. -0.018 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

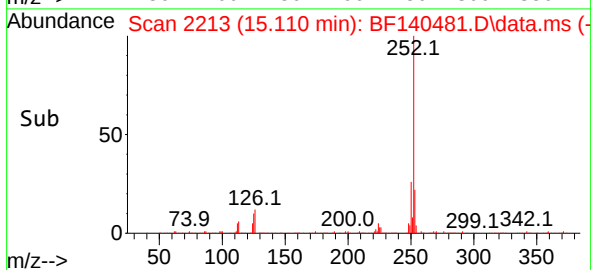
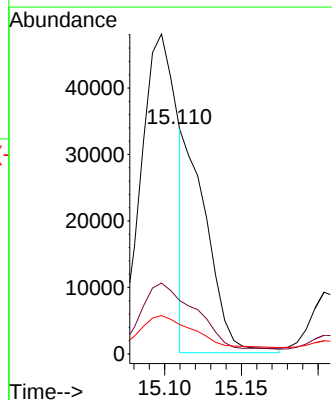
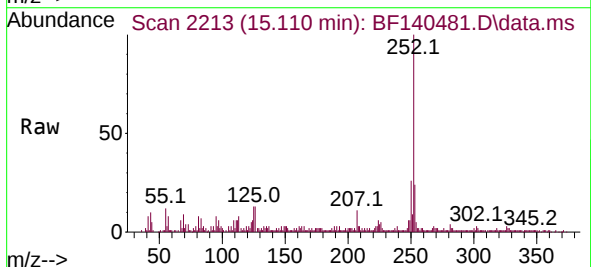
Instrument :
BNA_F
ClientSampleId :
RR-1

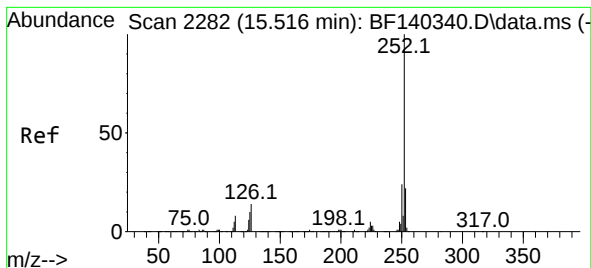
Tgt Ion:252 Resp: 78716
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 12.0 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 3.174 ng m
RT: 15.110 min Scan# 2213
Delta R.T. -0.041 min
Lab File: BF140481.D
Acq: 19 Nov 2024 18:36

Tgt Ion:252 Resp: 34777
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 13.1 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 5.544 ng

RT: 15.469 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

Instrument :

BNA_F

ClientSampleId :

RR-1

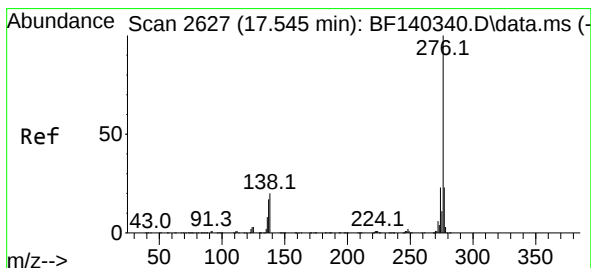
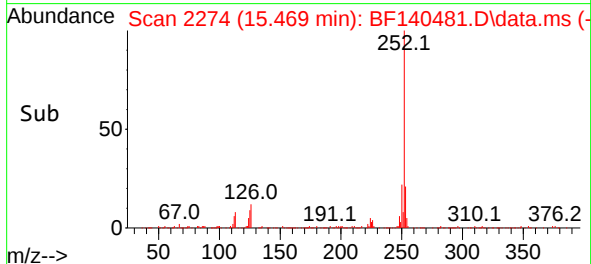
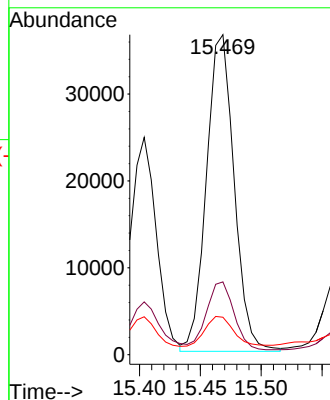
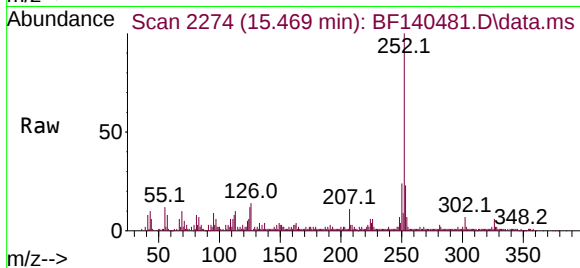
Tgt Ion:252 Resp: 57733

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 11.7 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.806 ng

RT: 17.486 min Scan# 2617

Delta R.T. -0.029 min

Lab File: BF140481.D

Acq: 19 Nov 2024 18:36

Tgt Ion:276 Resp: 30026

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 20.0 16.0 24.0

