

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140413.D
 Acq On : 15 Nov 2024 19:25
 Operator : RC/JU
 Sample : P4809-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-5

Quant Time: Nov 15 22:15:00 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)

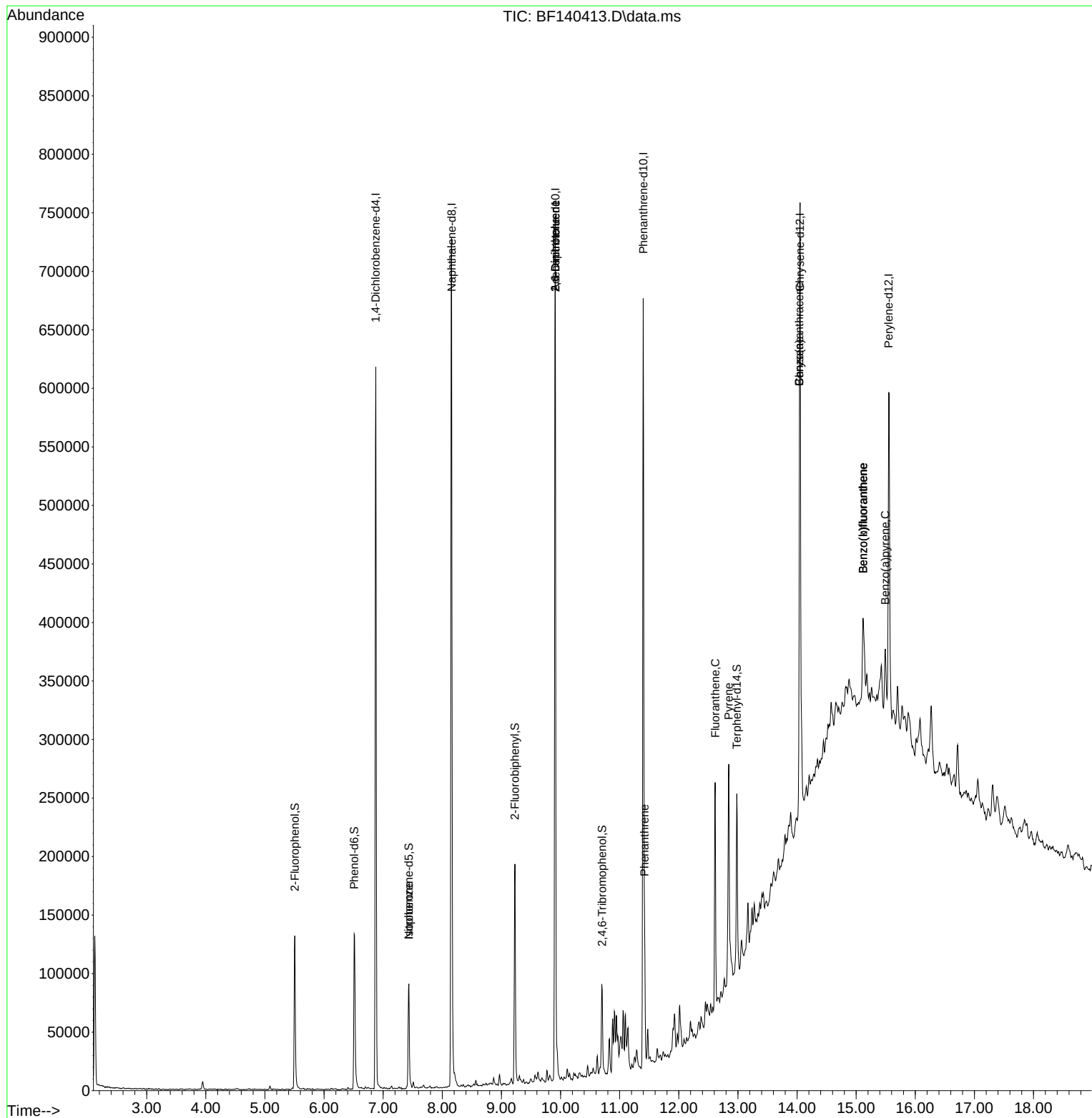
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	133610	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	486852	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	223509	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	343324	20.000	ng	0.00
76) Chrysene-d12	14.051	240	227474	20.000	ng	0.00
86) Perylene-d12	15.551	264	169950	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	55506	7.093	ng	0.01
7) Phenol-d6	6.510	99	74236	7.002	ng	0.00
23) Nitrobenzene-d5	7.434	82	45182	4.835	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	12217	5.497	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	92685	6.666	ng	0.00
79) Terphenyl-d14	12.980	244	71240	5.436	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.434	82	42788	2.584	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	29468	8.873	ng	# 22
57) 2,4-Dinitrotoluene	9.910	165	29468	6.742	ng	# 20
71) Phenanthrene	11.422	178	54735	3.394	ng	99
75) Fluoranthene	12.616	202	113149	6.253	ng	99
78) Pyrene	12.845	202	107279	5.514	ng	99
81) Benzo(a)anthracene	14.039	228	53211	3.559	ng	96
83) Chrysene	14.039	228	53211	3.901	ng	95
88) Benzo(b)fluoranthene	15.116	252	52811	4.750	ng	# 84
89) Benzo(k)fluoranthene	15.116	252	52811	5.815	ng	# 83
90) Benzo(a)pyrene	15.492	252	26609	3.082	ng	# 84

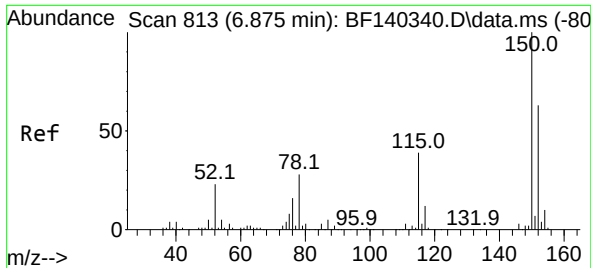
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140413.D
Acq On : 15 Nov 2024 19:25
Operator : RC/JU
Sample : P4809-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-5

Quant Time: Nov 15 22:15:00 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

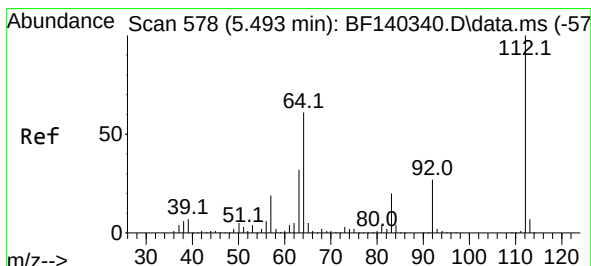
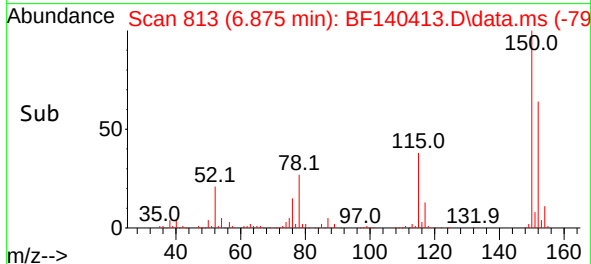
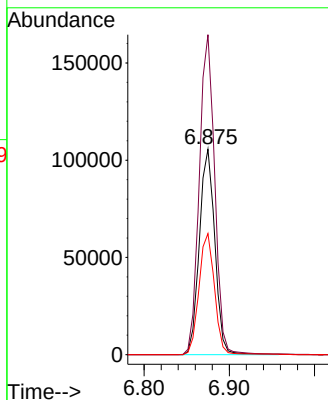
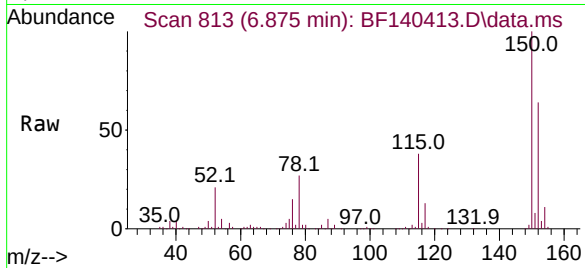




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

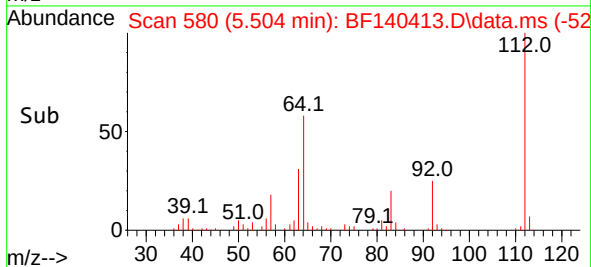
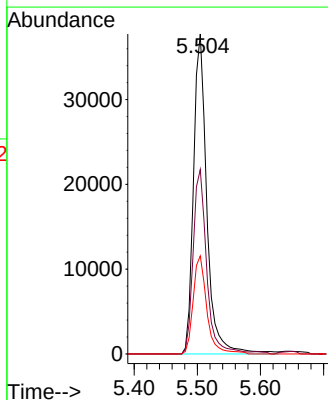
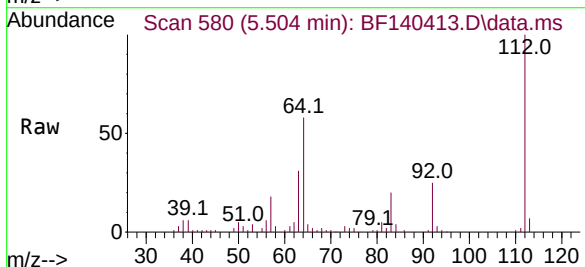
Instrument :
BNA_F
ClientSampleId :
MH-5

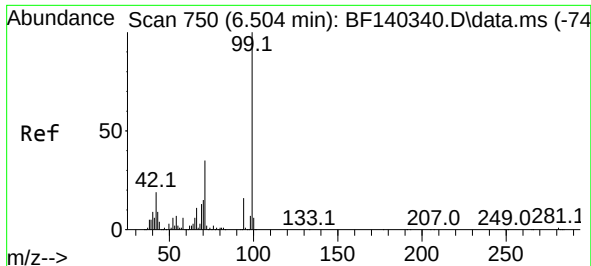
Tgt Ion:152 Resp: 133610
Ion Ratio Lower Upper
152 100
150 155.7 127.4 191.0
115 58.9 47.4 71.2



#5
2-Fluorophenol
Concen: 7.093 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:112 Resp: 55506
Ion Ratio Lower Upper
112 100
64 57.7 49.2 73.8
63 30.7 25.6 38.4





#7

Phenol-d6

Concen: 7.002 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MH-5

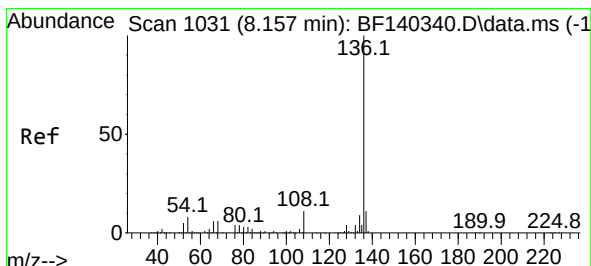
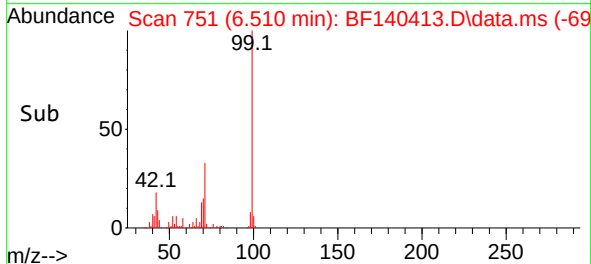
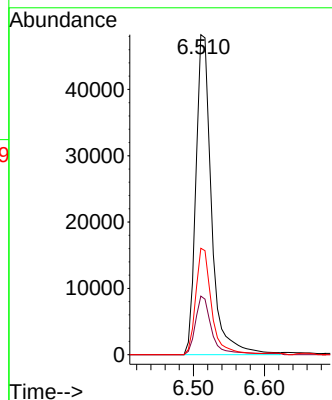
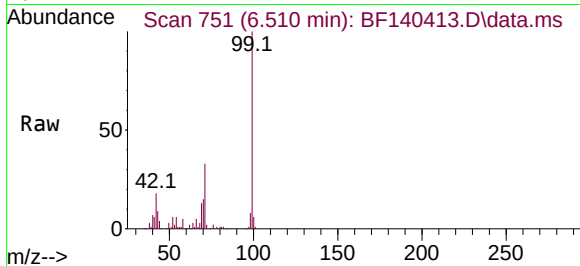
Tgt Ion: 99 Resp: 74236

Ion Ratio Lower Upper

99 100

42 18.3 15.1 22.7

71 33.3 27.9 41.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. 0.000 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

Tgt Ion: 136 Resp: 486852

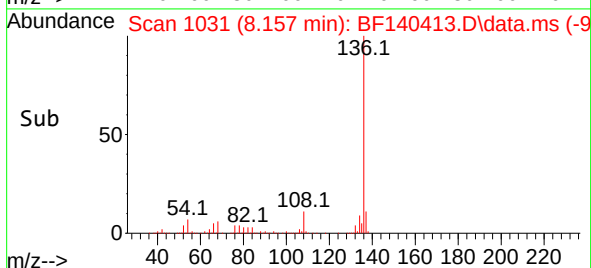
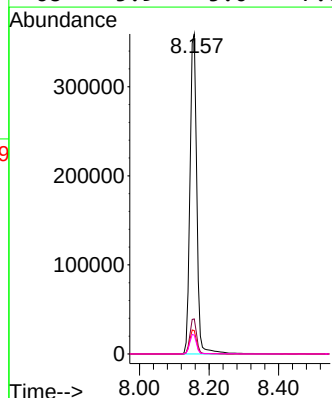
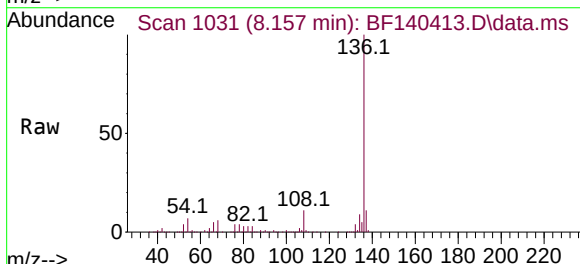
Ion Ratio Lower Upper

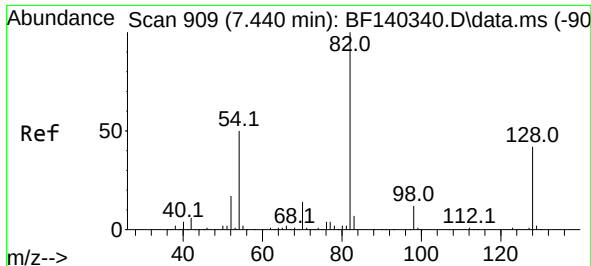
136 100

137 11.0 8.7 13.1

54 7.3 6.5 9.7

68 5.9 5.0 7.6

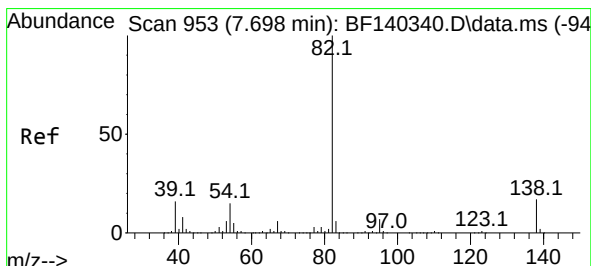
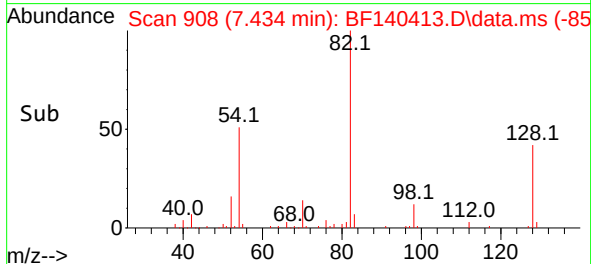
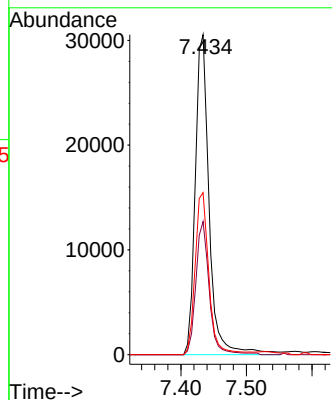
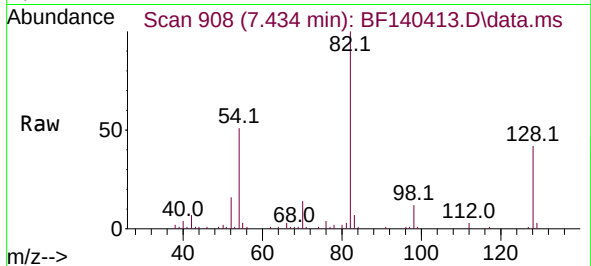




#23
Nitrobenzene-d5
Concen: 4.835 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

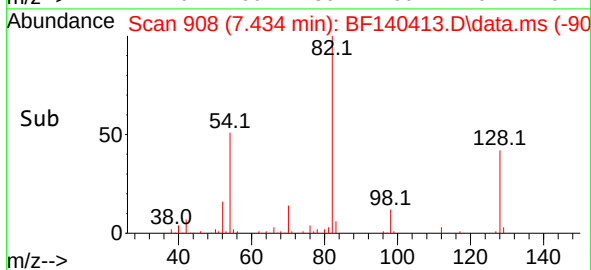
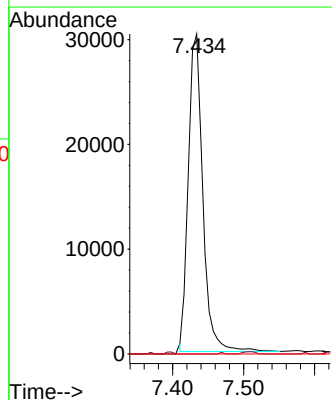
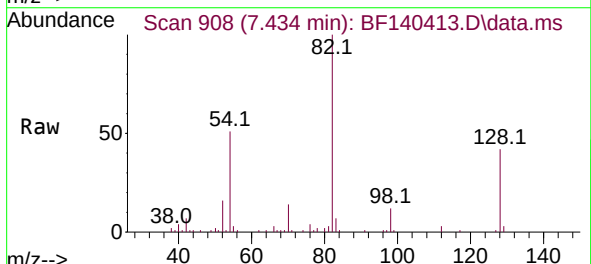
Instrument :
BNA_F
ClientSampleId :
MH-5

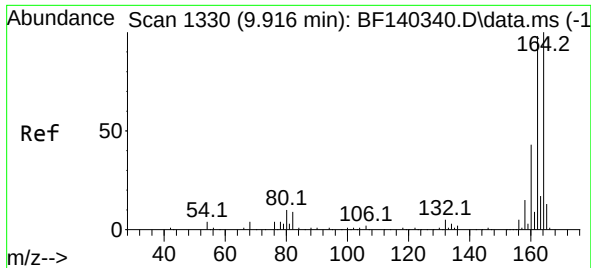
Tgt Ion: 82 Resp: 45182
Ion Ratio Lower Upper
82 100
128 41.6 33.3 49.9
54 50.6 39.8 59.8



#25
Isophorone
Concen: 2.584 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion: 82 Resp: 42788
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.4 20.2#

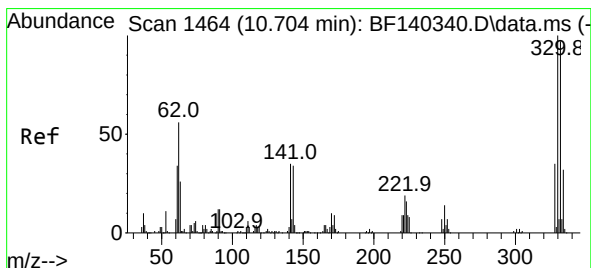
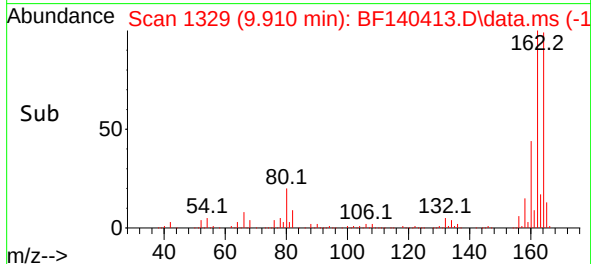
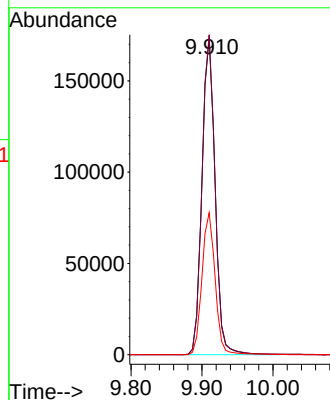
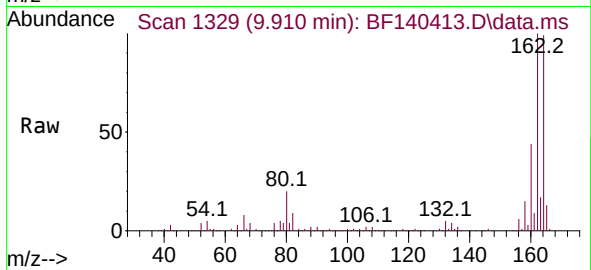




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

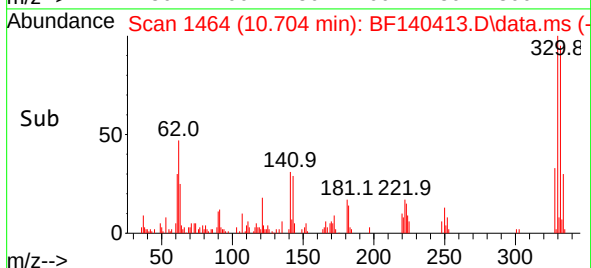
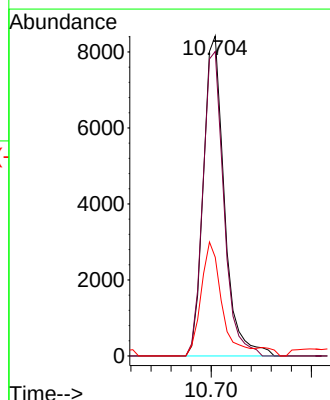
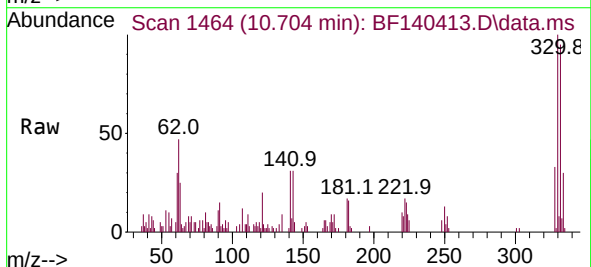
Instrument :
BNA_F
ClientSampleId :
MH-5

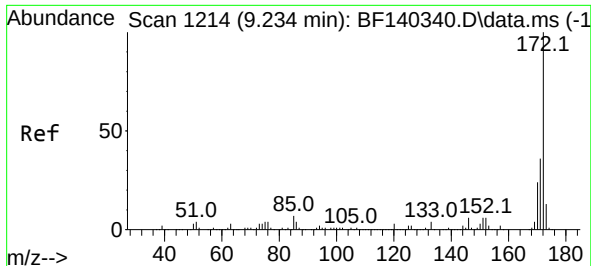
Tgt Ion:164 Resp: 223509
Ion Ratio Lower Upper
164 100
162 101.1 79.8 119.8
160 44.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 5.497 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:330 Resp: 12217
Ion Ratio Lower Upper
330 100
332 94.9 75.9 113.9
141 37.4 26.9 40.3

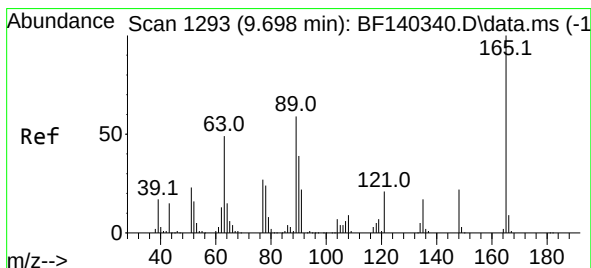
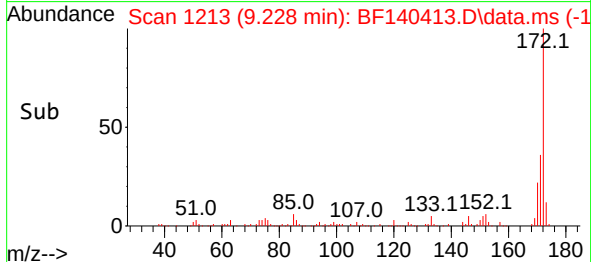
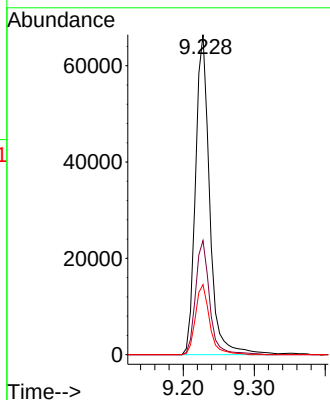
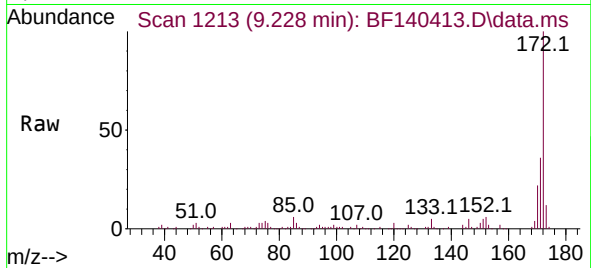




#45
2-Fluorobiphenyl
Concen: 6.666 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

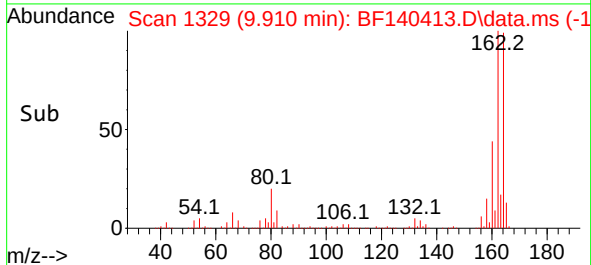
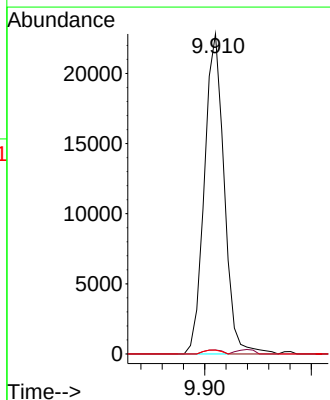
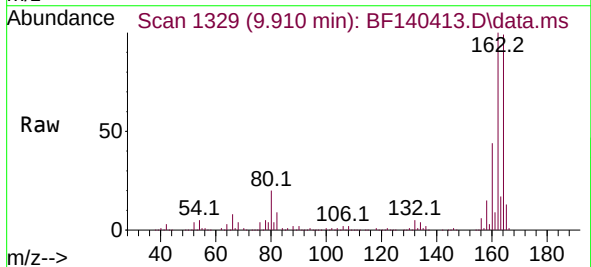
Instrument :
BNA_F
ClientSampleId :
MH-5

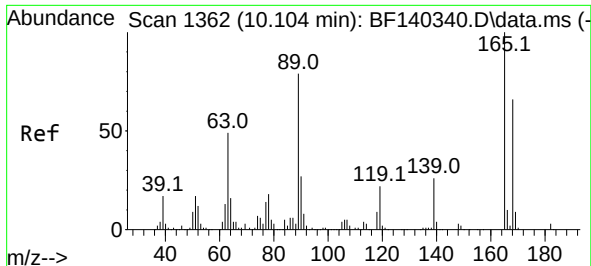
Tgt Ion:172 Resp: 92685
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 21.9 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 8.873 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:165 Resp: 29468
Ion Ratio Lower Upper
165 100
63 1.3 47.6 71.4#
89 1.2 48.1 72.1#

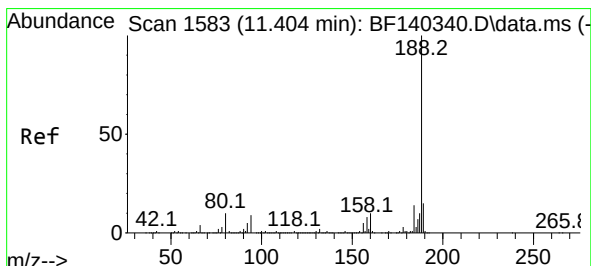
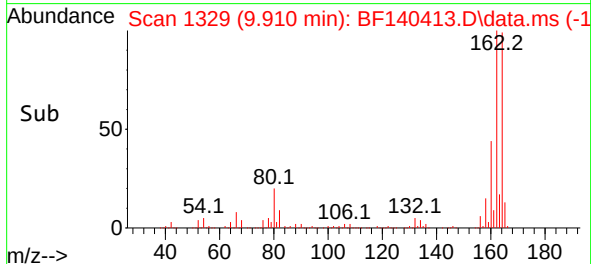
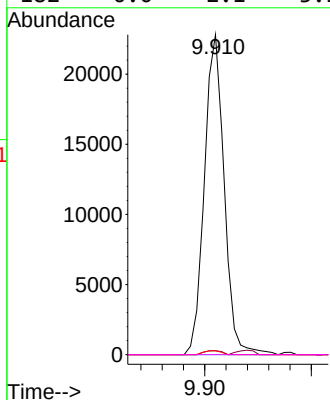
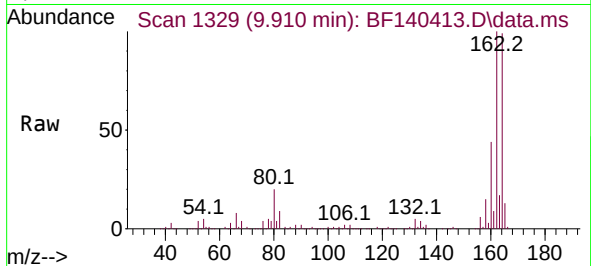




#57
2,4-Dinitrotoluene
Concen: 6.742 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

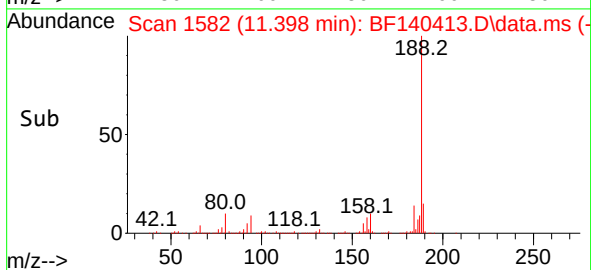
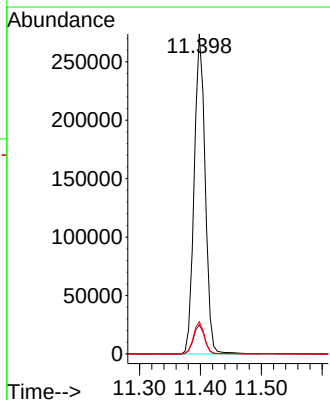
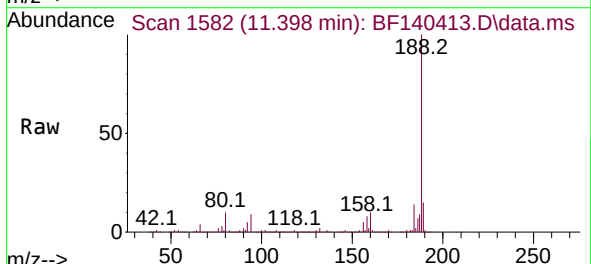
Instrument :
BNA_F
ClientSampleId :
MH-5

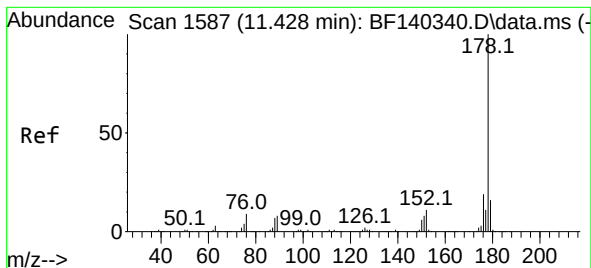
Tgt Ion:165	Resp:	29468
Ion Ratio	Lower	Upper
165	100	
63	1.3	39.4 59.0#
89	1.2	62.4 93.6#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:188	Resp:	343324
Ion Ratio	Lower	Upper
188	100	
94	9.1	7.6 11.4
80	10.1	8.0 12.0

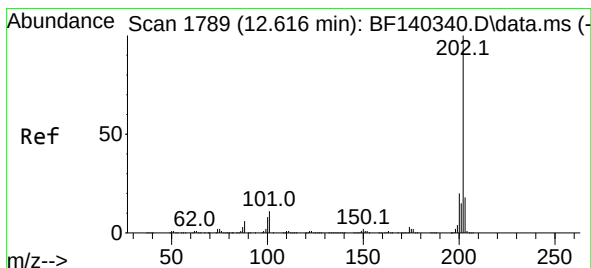
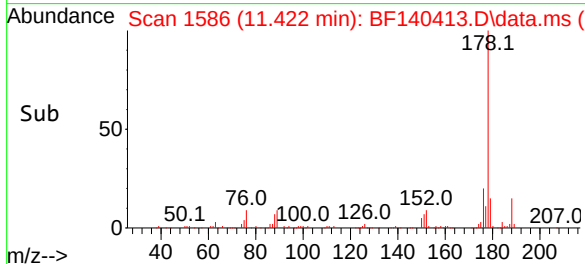
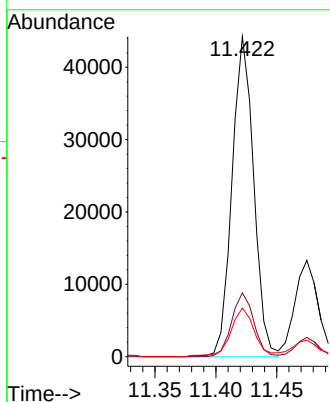
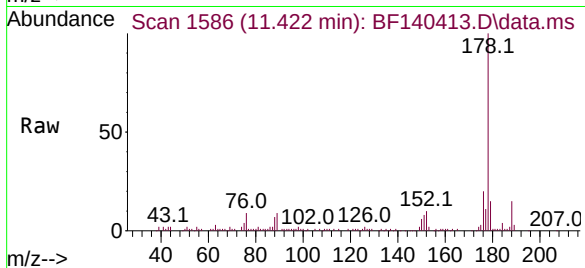




#71
Phenanthrene
Concen: 3.394 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

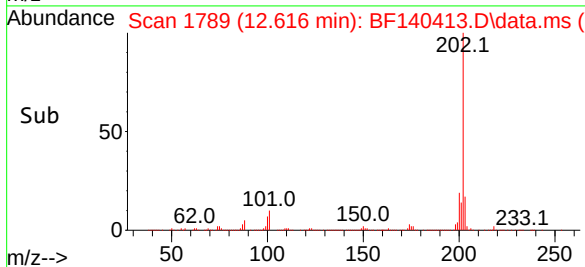
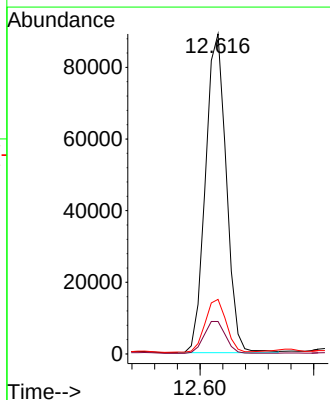
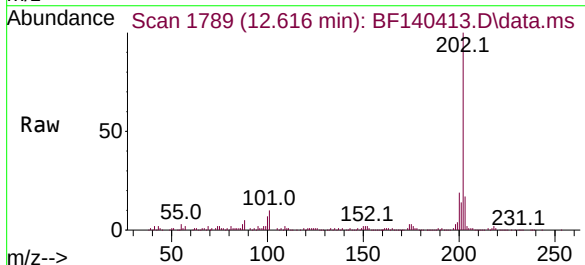
Instrument :
BNA_F
ClientSampleId :
MH-5

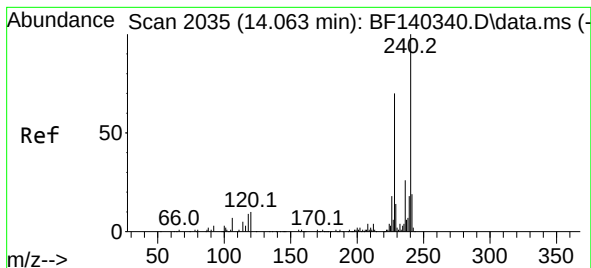
Tgt Ion:178 Resp: 54735
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.2 12.4 18.6



#75
Fluoranthene
Concen: 6.253 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF140413.D
Acq: 15 Nov 2024 19:25

Tgt Ion:202 Resp: 113149
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.7
203 17.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2035

Delta R.T. 0.000 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MH-5

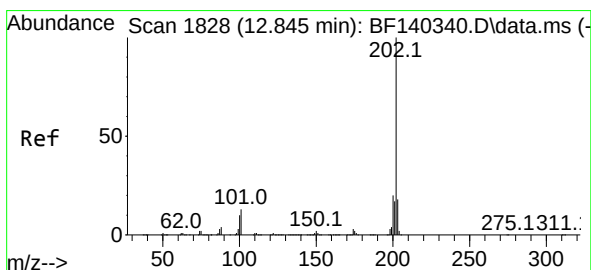
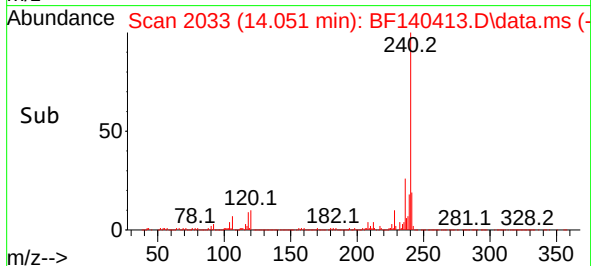
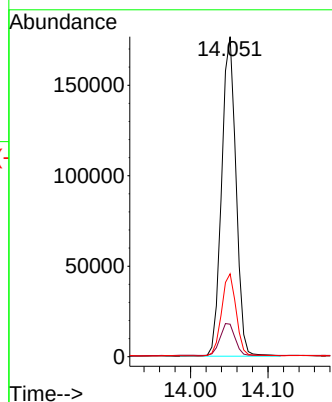
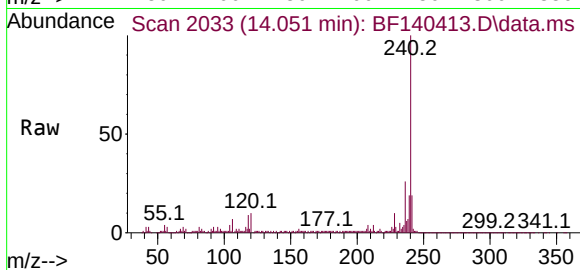
Tgt Ion:240 Resp: 227474

Ion Ratio Lower Upper

240 100

120 10.2 8.8 13.2

236 25.9 20.9 31.3



#78

Pyrene

Concen: 5.514 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

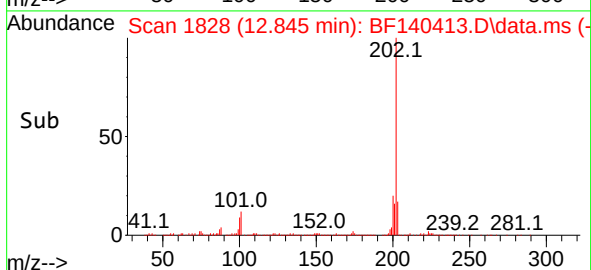
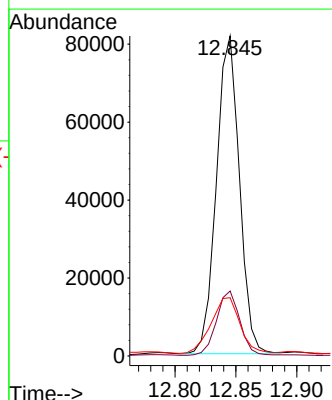
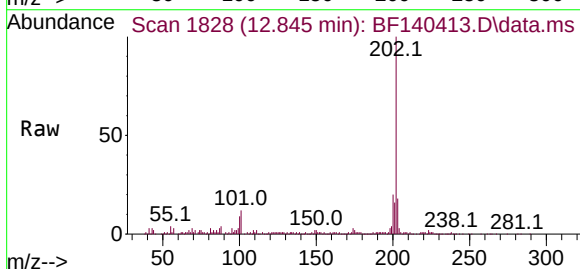
Tgt Ion:202 Resp: 107279

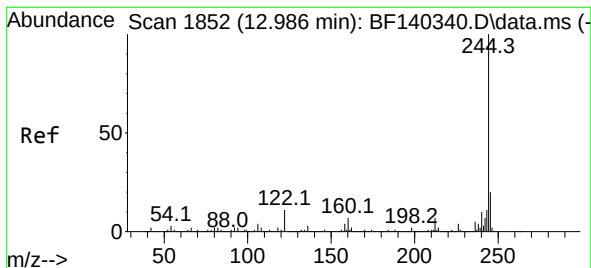
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 5.436 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MH-5

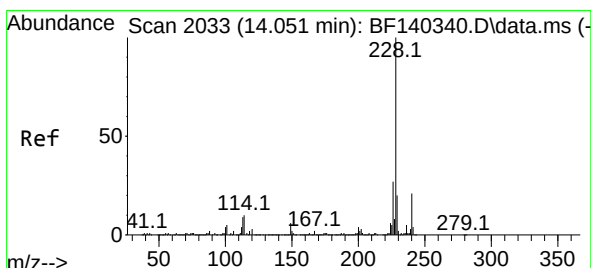
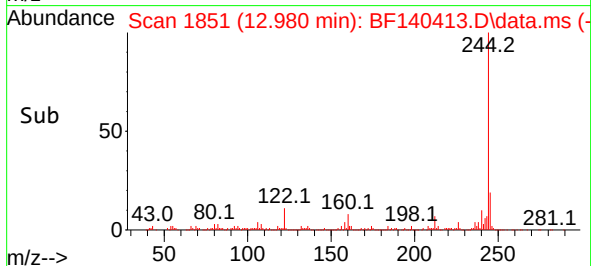
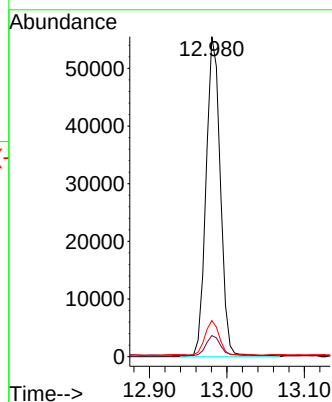
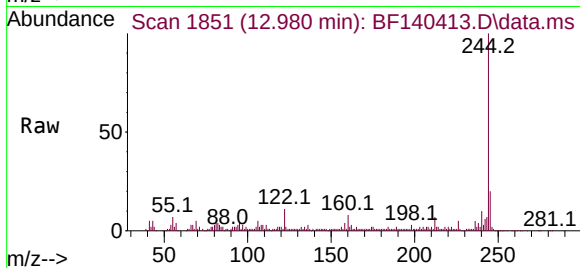
Tgt Ion:244 Resp: 71240

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 11.3 8.8 13.2



#81

Benzo(a)anthracene

Concen: 3.559 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

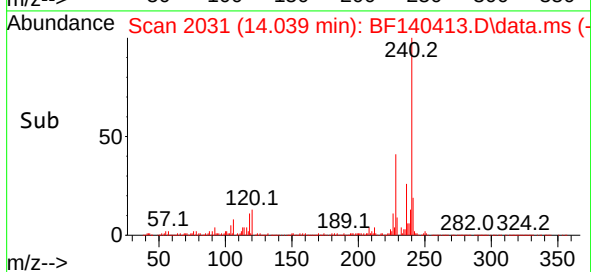
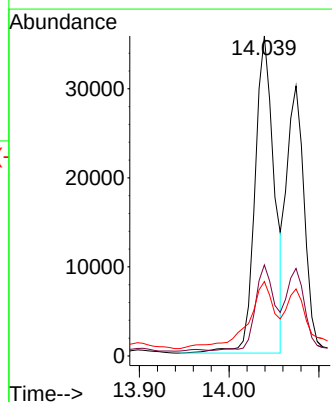
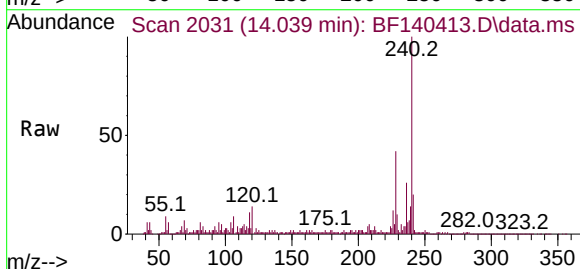
Tgt Ion:228 Resp: 53211

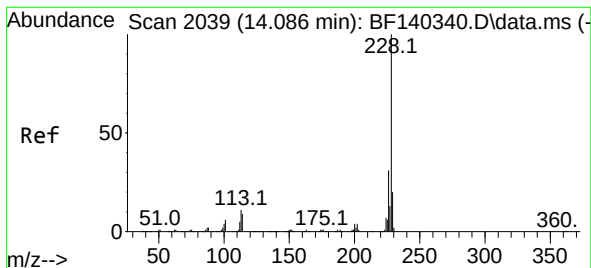
Ion Ratio Lower Upper

228 100

226 28.4 22.2 33.4

229 23.3 15.8 23.6





#83

Chrysene

Concen: 3.901 ng

RT: 14.039 min Scan# 2039

Delta R.T. -0.041 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MH-5

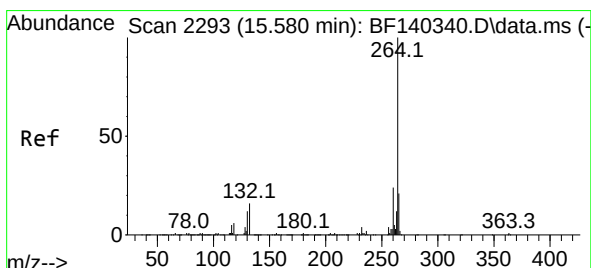
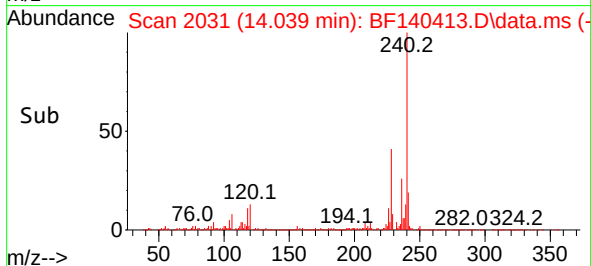
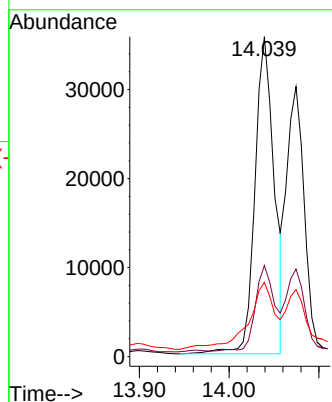
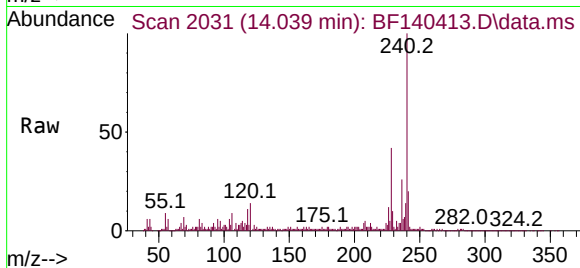
Tgt Ion:228 Resp: 53211

Ion Ratio Lower Upper

228 100

226 28.4 24.5 36.7

229 23.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

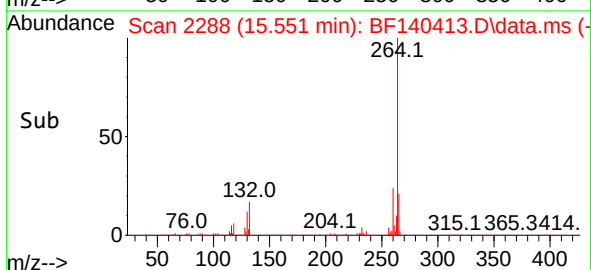
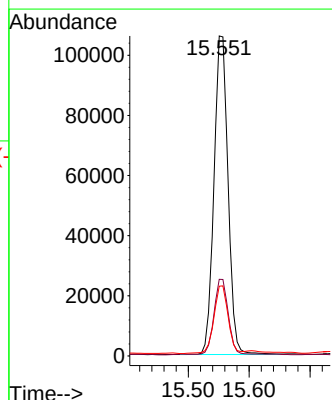
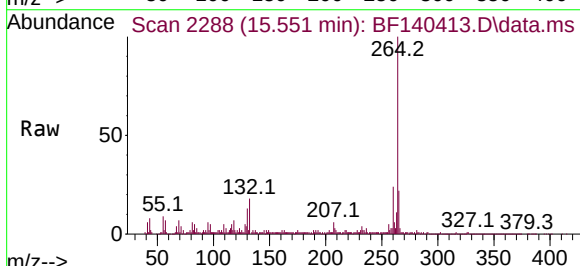
Tgt Ion:264 Resp: 169950

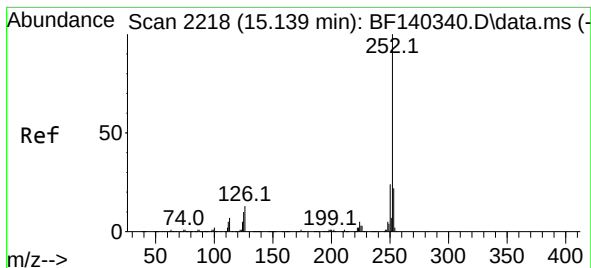
Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.8 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 4.750 ng

RT: 15.116 min Scan# 2214

Delta R.T. 0.000 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MH-5

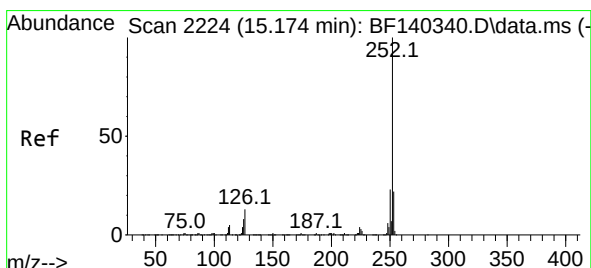
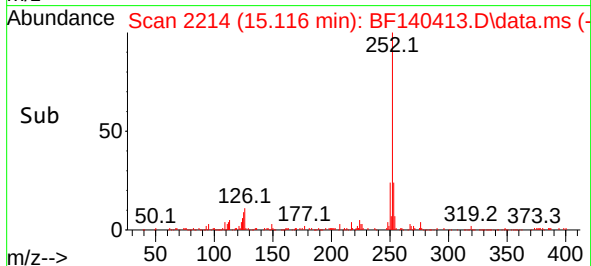
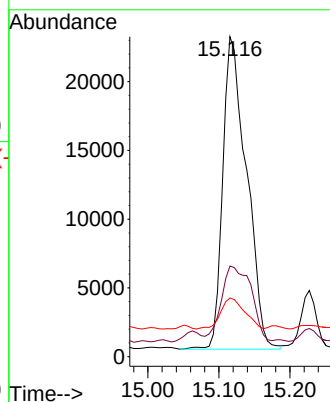
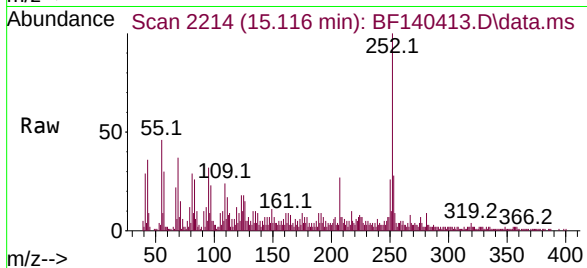
Tgt Ion:252 Resp: 52811

Ion Ratio Lower Upper

252 100

253 28.3 17.5 26.3#

125 18.4 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 5.815 ng

RT: 15.116 min Scan# 2214

Delta R.T. -0.035 min

Lab File: BF140413.D

Acq: 15 Nov 2024 19:25

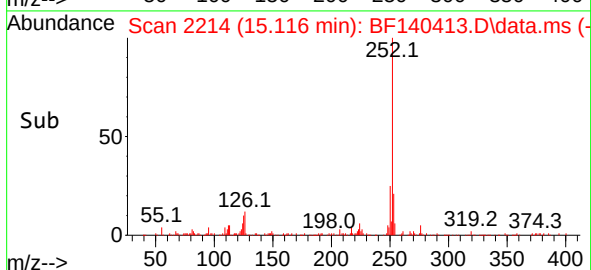
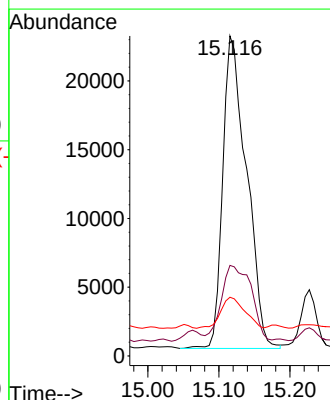
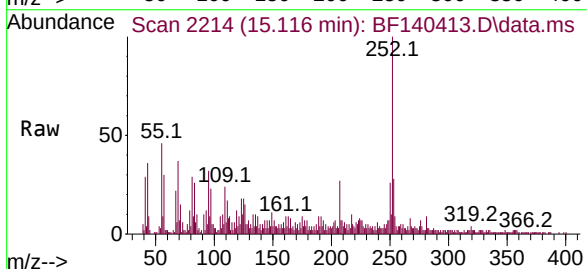
Tgt Ion:252 Resp: 52811

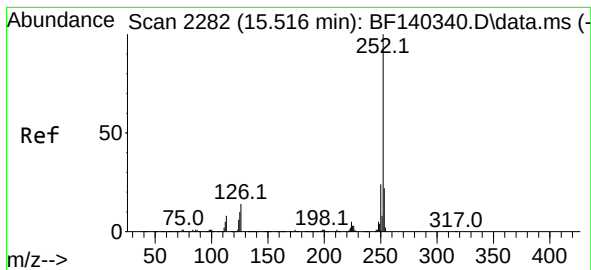
Ion Ratio Lower Upper

252 100

253 28.3 17.3 25.9#

125 18.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.082 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140413.D

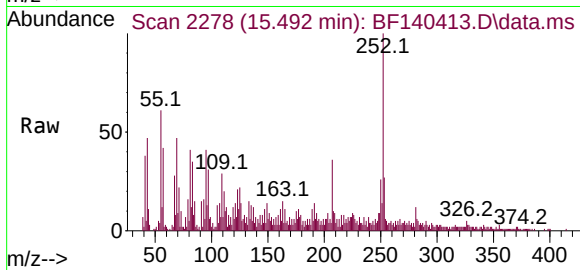
Acq: 15 Nov 2024 19:25

Instrument :

BNA_F

ClientSampleId :

MH-5



Tgt Ion:252 Resp: 26609

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

125 21.8 8.4 12.6#

