

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140411.D
 Acq On : 15 Nov 2024 18:32
 Operator : RC/JU
 Sample : P4798-01DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-6DL

Quant Time: Nov 15 18:54:23 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)

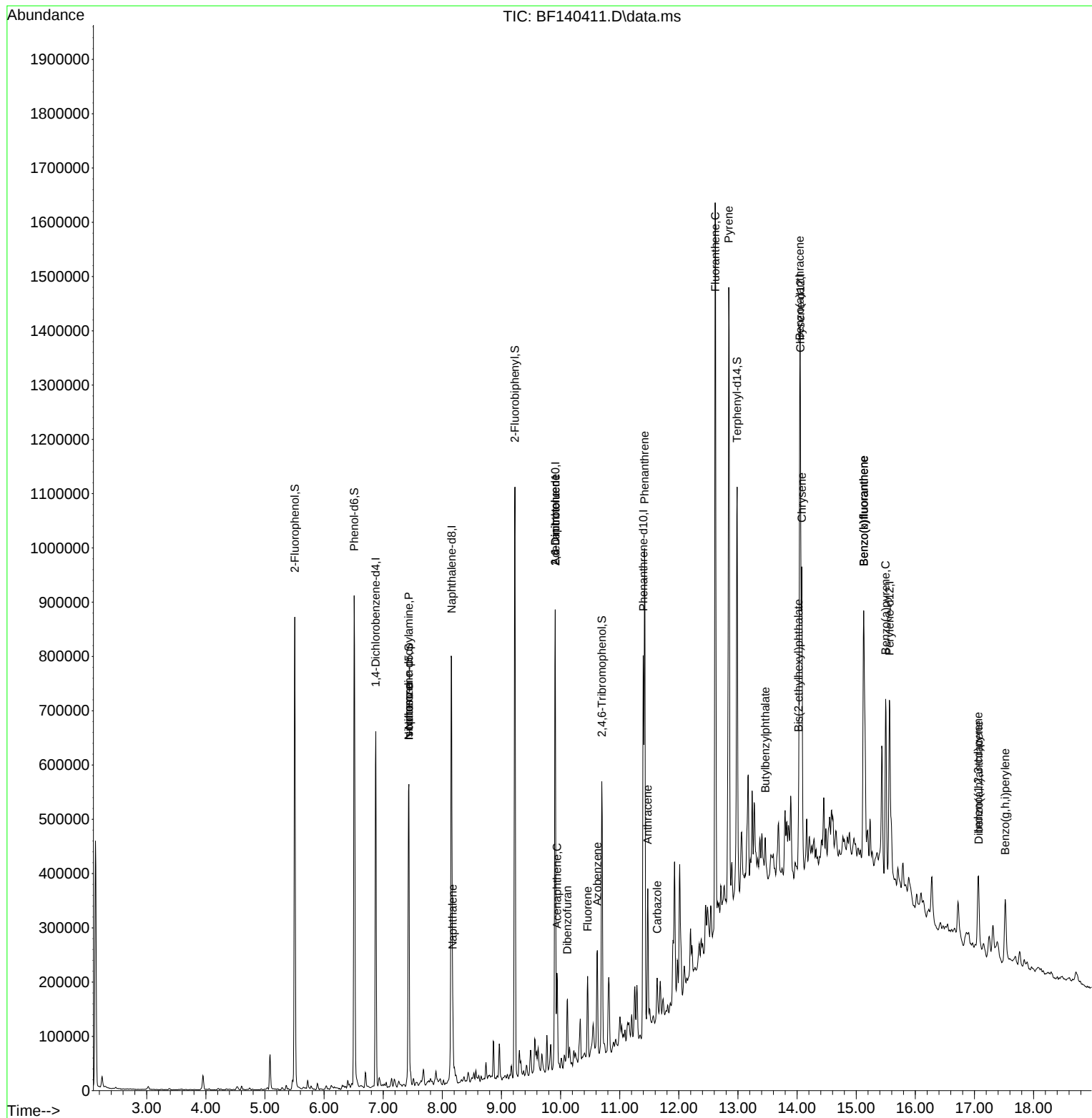
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	140528	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	510006	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	249929	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	369589	20.000	ng	0.00
76) Chrysene-d12	14.057	240	246923	20.000	ng	0.00
86) Perylene-d12	15.562	264	188005	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	320577	38.949	ng	0.01
7) Phenol-d6	6.510	99	428696	38.444	ng	0.00
23) Nitrobenzene-d5	7.434	82	260103	26.572	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	74045	29.793	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	485641	31.236	ng	0.00
79) Terphenyl-d14	12.986	244	358592	25.208	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	35613	5.288	ng	# 76
25) Isophorone	7.434	82	251671	14.507	ng	# 67
31) Naphthalene	8.175	128	66071	2.554	ng	100
51) 2,6-Dinitrotoluene	9.910	165	34914	9.401	ng	# 23
52) Acenaphthene	9.939	154	48949	3.458	ng	95
55) Dibenzofuran	10.116	168	59129	2.951	ng	99
57) 2,4-Dinitrotoluene	9.910	165	35040	7.169	ng	# 21
58) Fluorene	10.457	166	55762	3.523	ng	99
63) Azobenzene	10.622	77	42107	2.558	ng	# 1
71) Phenanthrene	11.422	178	458273	26.396	ng	100
72) Anthracene	11.475	178	147521	8.670	ng	99
73) Carbazole	11.633	167	36636	2.181	ng	96
75) Fluoranthene	12.616	202	771993	39.634	ng	99
78) Pyrene	12.845	202	681407	32.262	ng	98
80) Butylbenzylphthalate	13.463	149	21166	2.609	ng	93
81) Benzo(a)anthracene	14.045	228	368162	22.686	ng	97
83) Chrysene	14.080	228	291794	19.706	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	24043	2.220	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.062	276	107712	9.275	ng	96
88) Benzo(b)fluoranthene	15.127	252	407904	33.167	ng	97
89) Benzo(k)fluoranthene	15.127	252	407904	40.600	ng	96
90) Benzo(a)pyrene	15.498	252	197979	20.730	ng	97
91) Dibenzo(a,h)anthracene	17.074	278	27170	2.830	ng	# 82
92) Benzo(g,h,i)perylene	17.521	276	102376	10.432	ng	97

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

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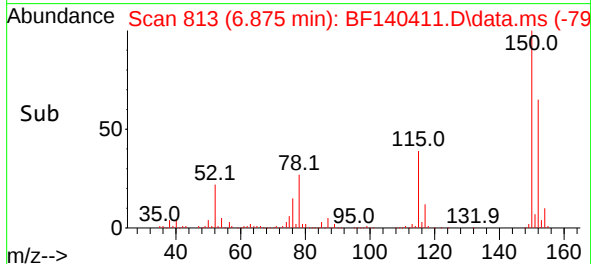
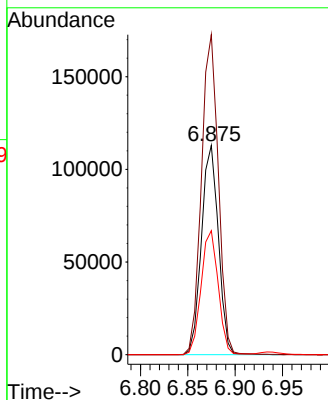
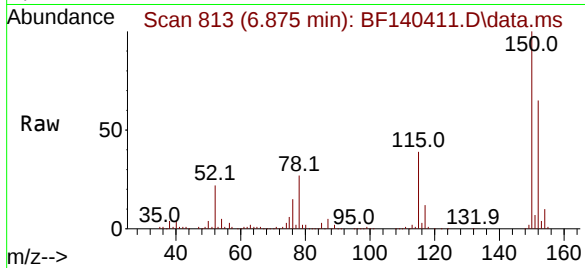




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

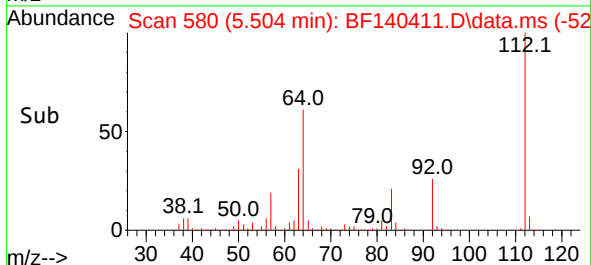
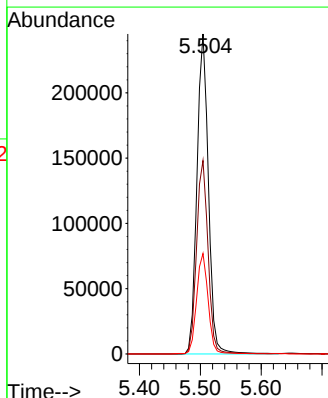
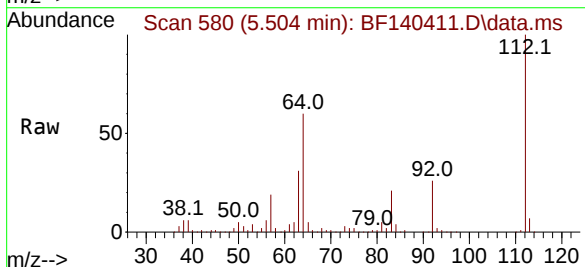
Instrument :
BNA_F
ClientSampleId :
MH-6DL

Tgt Ion:152 Resp: 140528
Ion Ratio Lower Upper
152 100
150 152.9 127.4 191.0
115 59.3 47.4 71.2



#5
2-Fluorophenol
Concen: 38.949 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:112 Resp: 320577
Ion Ratio Lower Upper
112 100
64 60.5 49.2 73.8
63 31.4 25.6 38.4

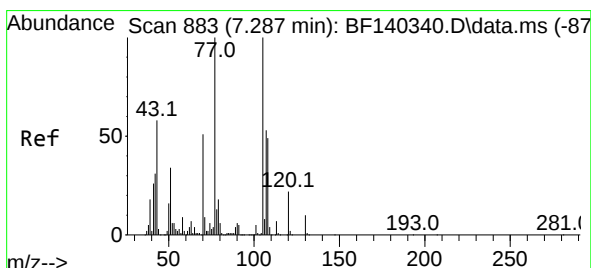
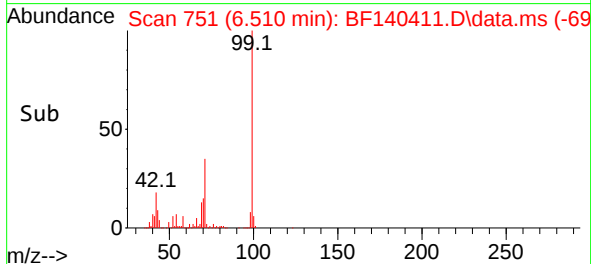
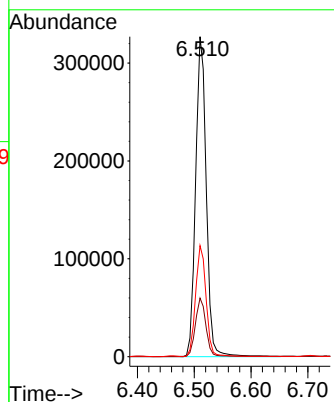
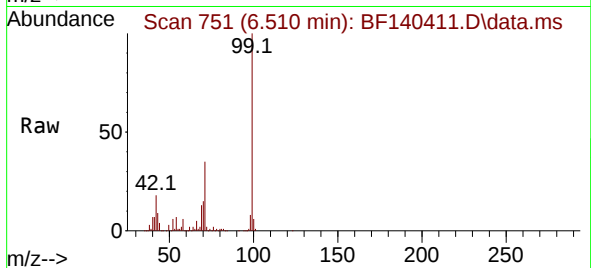




#7
Phenol-d6
Concen: 38.444 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

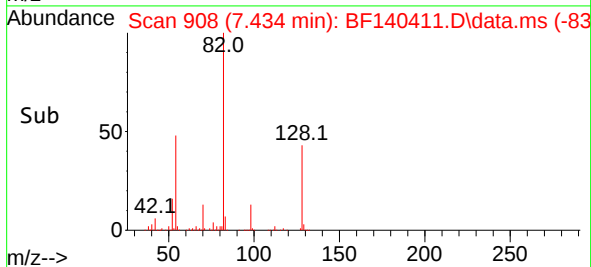
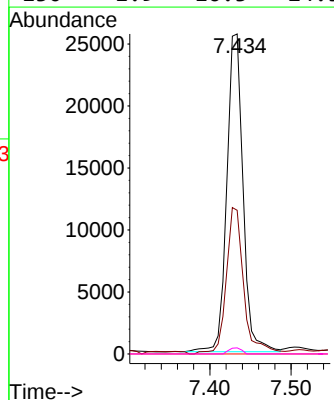
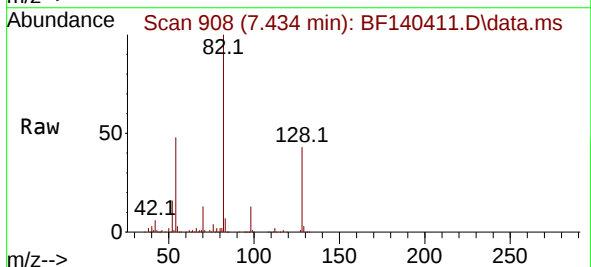
Instrument :
BNA_F
ClientSampleId :
MH-6DL

Tgt Ion: 99 Resp: 428696
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 34.7 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.288 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion: 70 Resp: 35613
Ion Ratio Lower Upper
70 100
42 44.9 46.8 70.2#
101 0.0 7.5 11.3#
130 1.9 16.3 24.5#



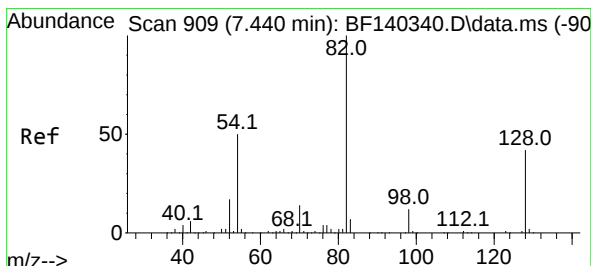
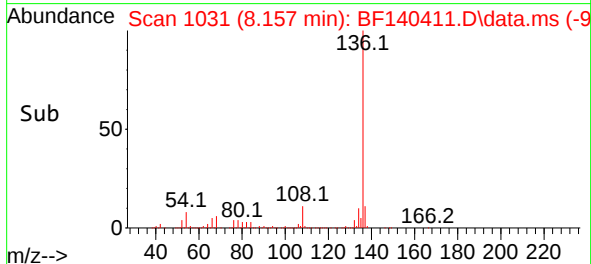
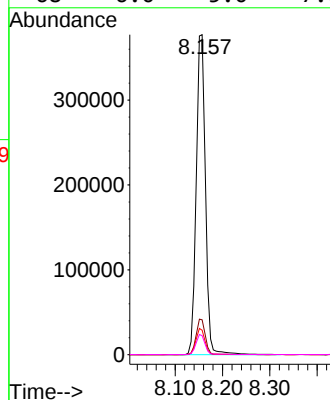
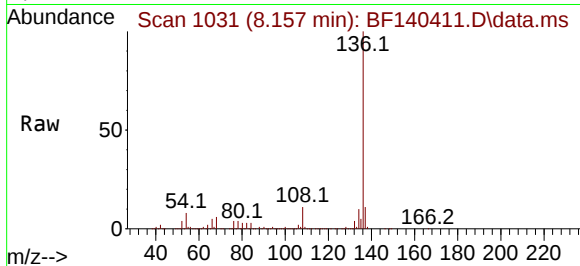


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Instrument :
BNA_F
ClientSampleId :
MH-6DL

Tgt Ion:136 Resp: 510006

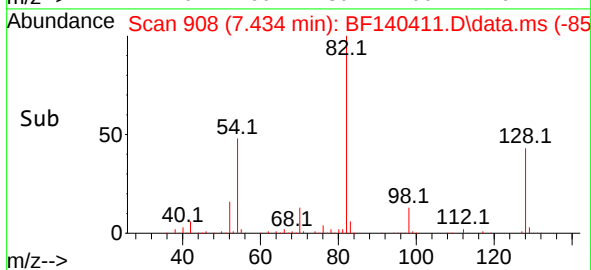
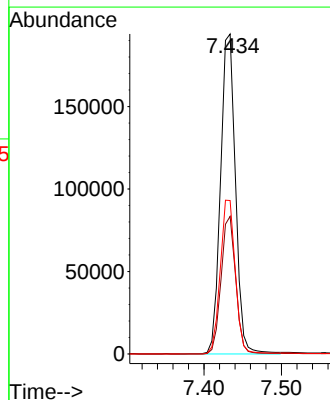
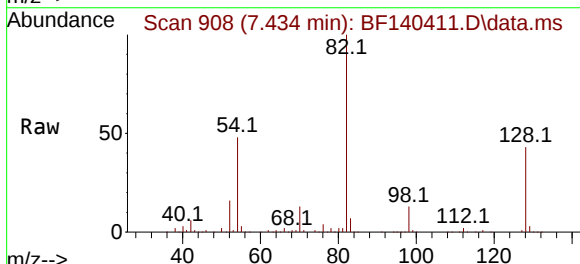
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.7	6.5	9.7
68	6.0	5.0	7.6

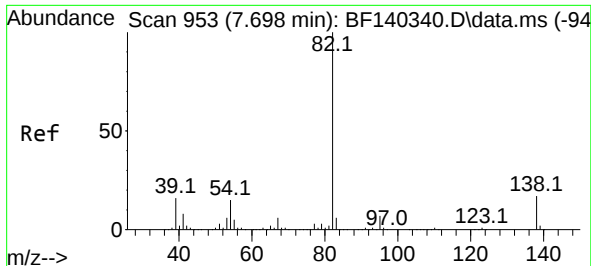


#23
Nitrobenzene-d5
Concen: 26.572 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion: 82 Resp: 260103

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.3	49.9
54	47.9	39.8	59.8

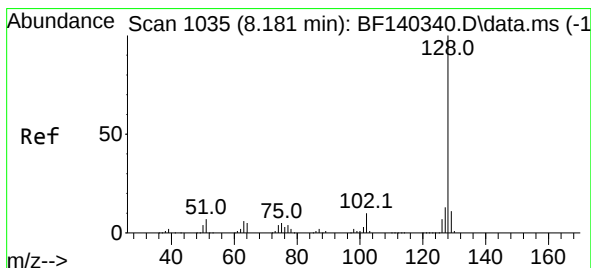
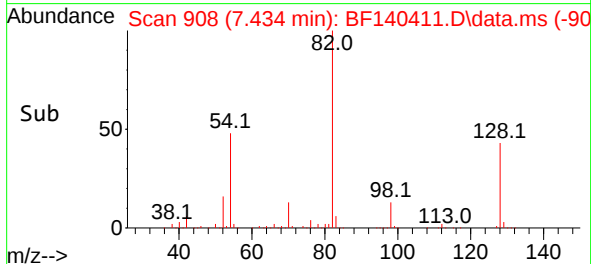
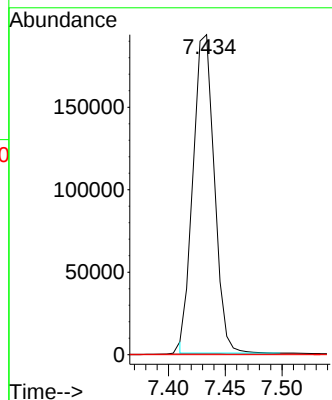
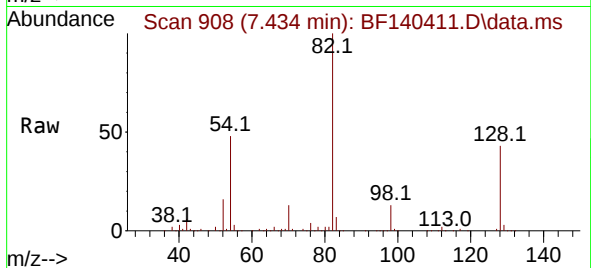




#25
Isophorone
Concen: 14.507 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

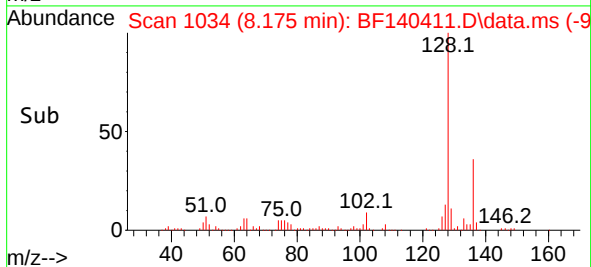
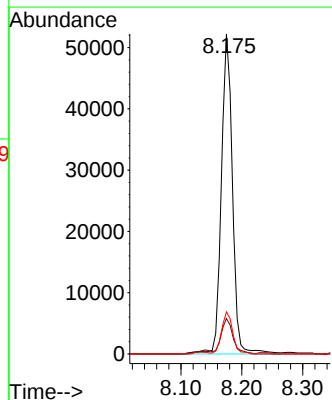
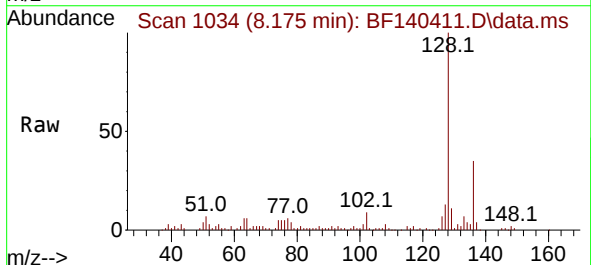
Instrument :
BNA_F
ClientSampleId :
MH-6DL

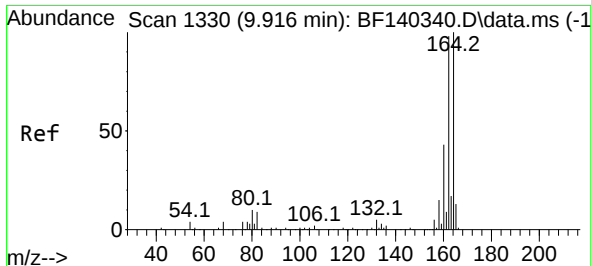
Tgt Ion: 82 Resp: 251671
Ion Ratio Lower Upper
82 100
95 0.2 5.9 8.9#
138 0.0 13.4 20.2#



#31
Naphthalene
Concen: 2.554 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion: 128 Resp: 66071
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.1 10.6 15.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

MH-6DL

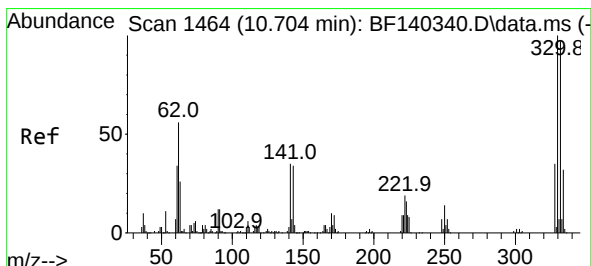
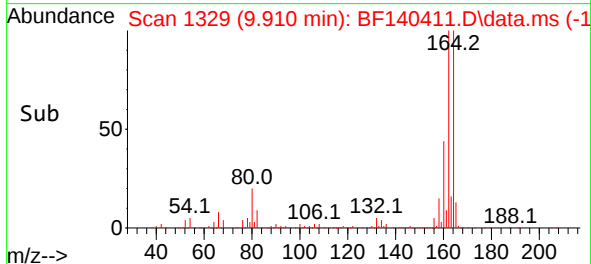
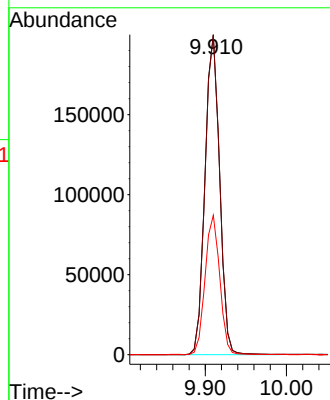
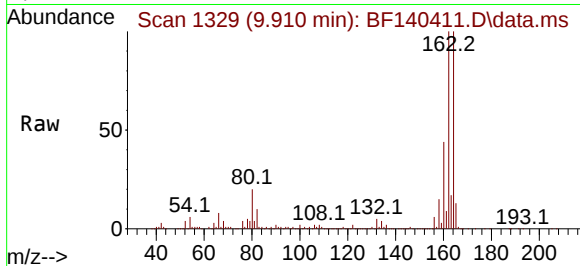
Tgt Ion:164 Resp: 249929

Ion Ratio Lower Upper

164 100

162 99.8 79.8 119.8

160 43.5 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 29.793 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

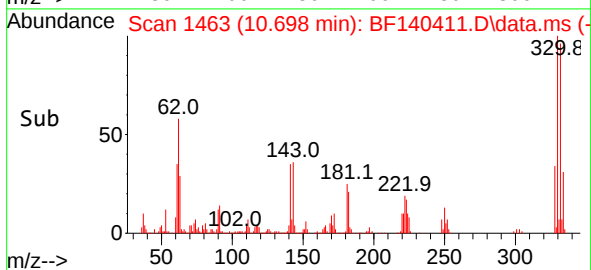
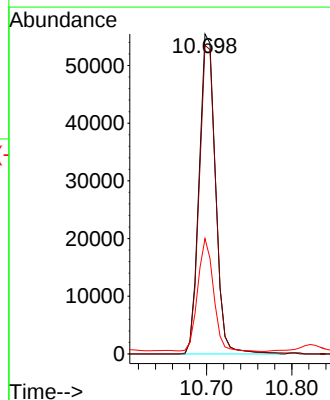
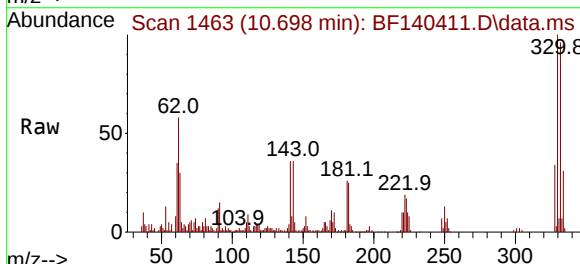
Tgt Ion:330 Resp: 74045

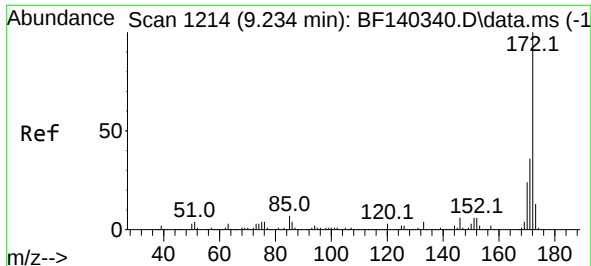
Ion Ratio Lower Upper

330 100

332 97.5 75.9 113.9

141 34.0 26.9 40.3





#45

2-Fluorobiphenyl

Concen: 31.236 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

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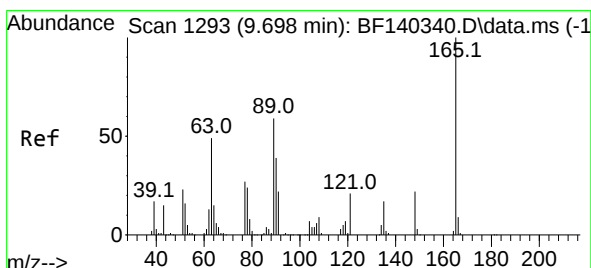
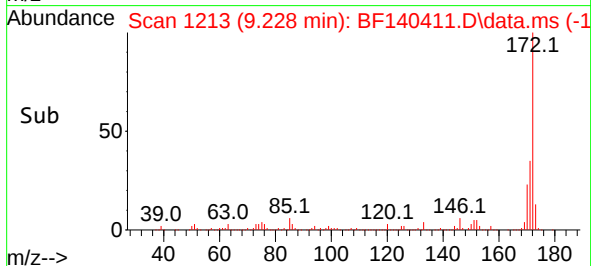
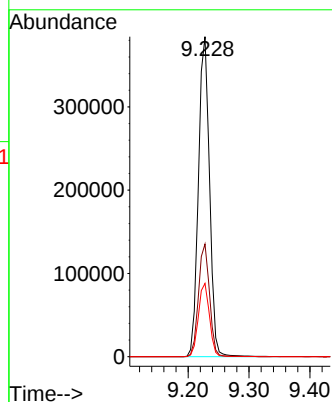
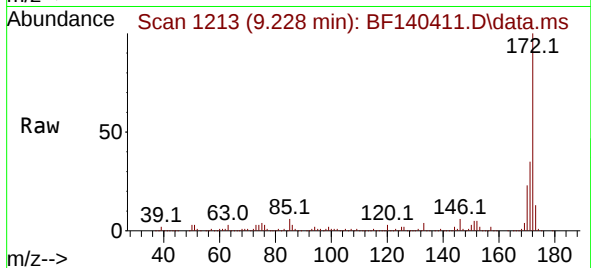
Tgt Ion:172 Resp: 485641

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 22.9 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.401 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

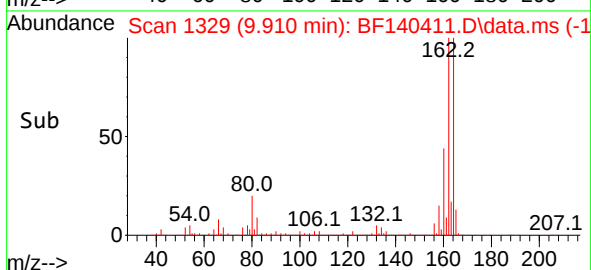
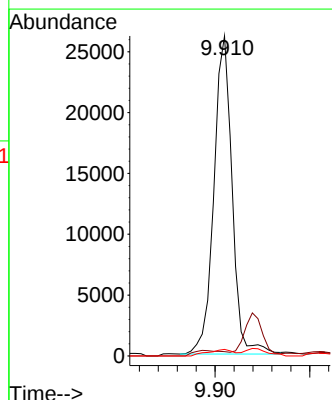
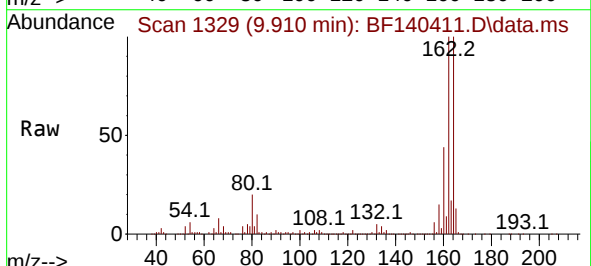
Tgt Ion:165 Resp: 34914

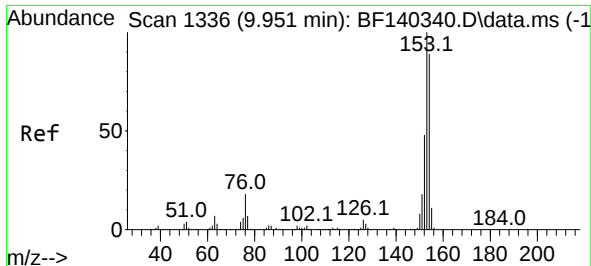
Ion Ratio Lower Upper

165 100

63 1.4 47.6 71.4#

89 2.0 48.1 72.1#

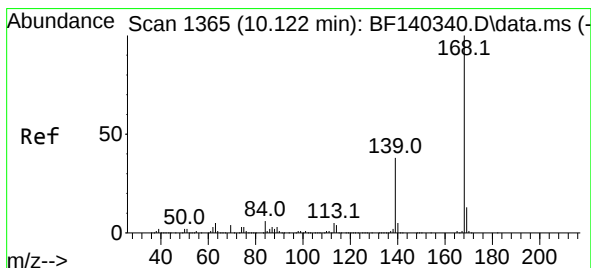
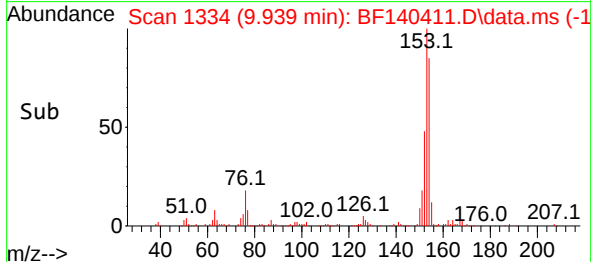
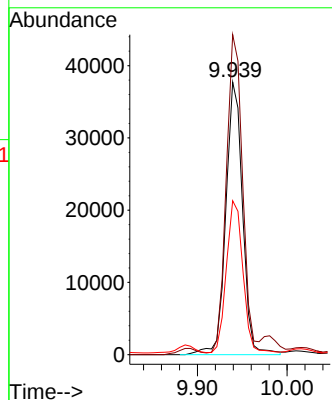
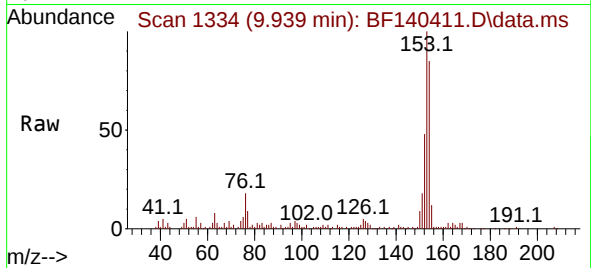




#52
Acenaphthene
Concen: 3.458 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

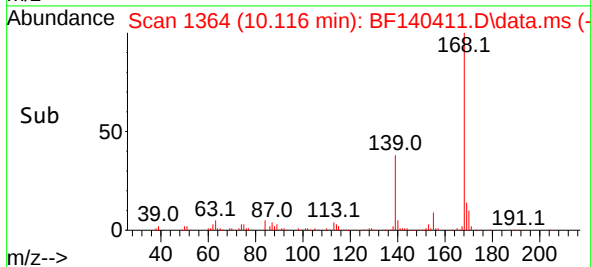
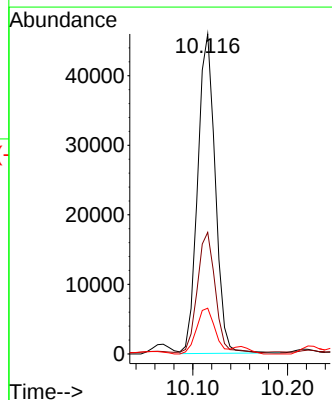
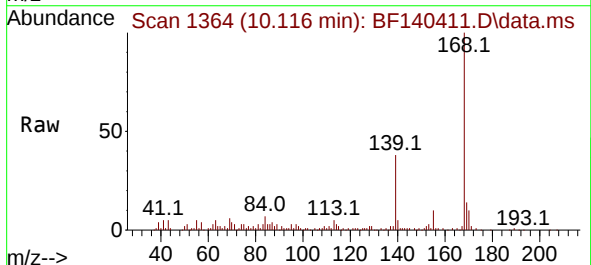
Instrument :
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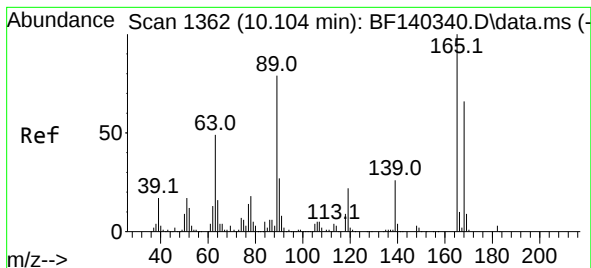
Tgt Ion:154 Resp: 48949
Ion Ratio Lower Upper
154 100
153 117.4 89.8 134.8
152 56.5 42.6 64.0



#55
Dibenzofuran
Concen: 2.951 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:168 Resp: 59129
Ion Ratio Lower Upper
168 100
139 38.0 30.8 46.2
169 14.3 10.8 16.2

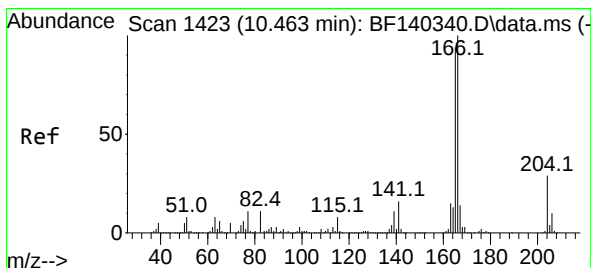
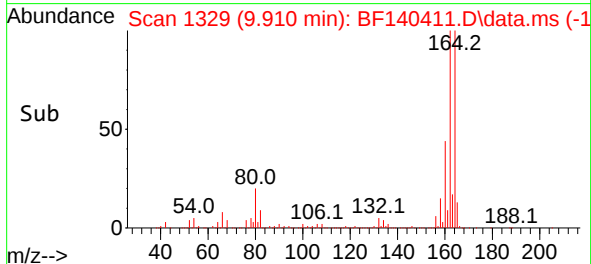
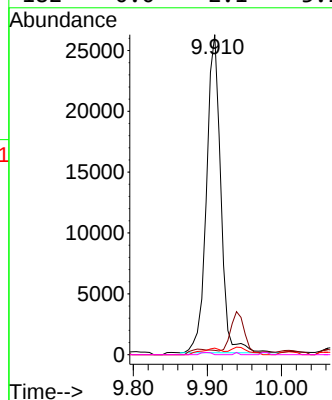
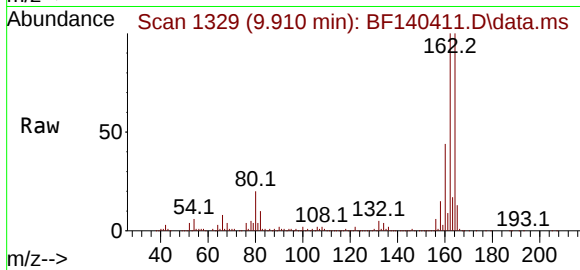




#57
2,4-Dinitrotoluene
Concen: 7.169 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

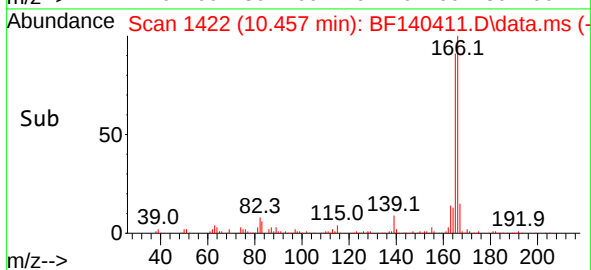
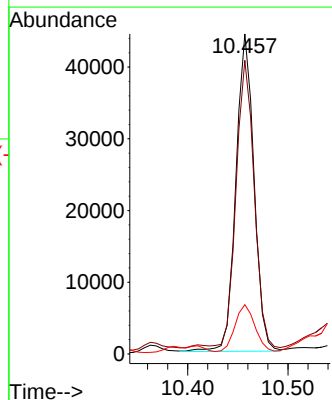
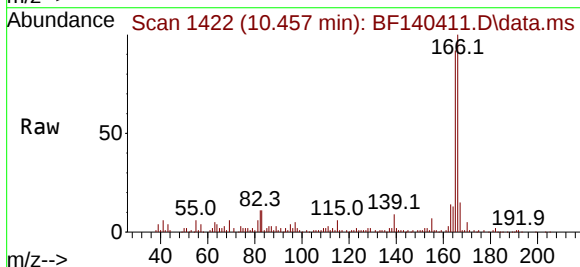
Instrument :
BNA_F
ClientSampleId :
MH-6DL

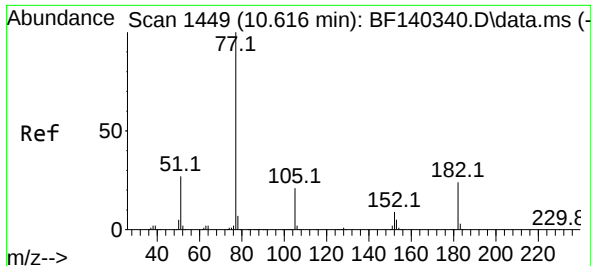
Tgt Ion:165 Resp: 35040
Ion Ratio Lower Upper
165 100
63 1.4 39.4 59.0#
89 2.0 62.4 93.6#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 3.523 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:166 Resp: 55762
Ion Ratio Lower Upper
166 100
165 91.7 73.9 110.9
167 15.4 10.9 16.3

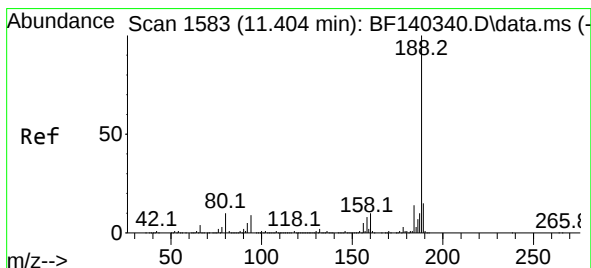
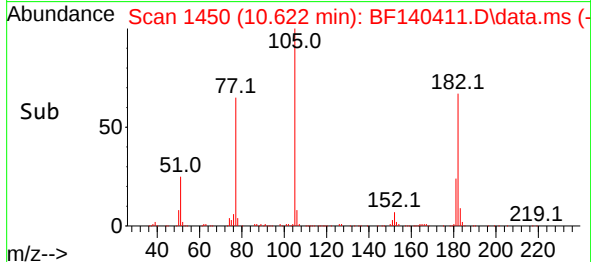
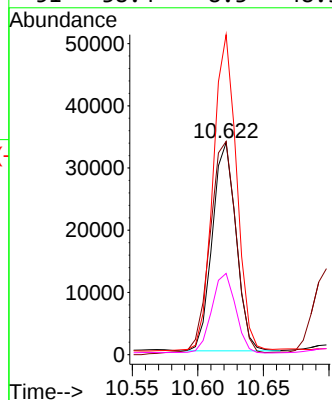
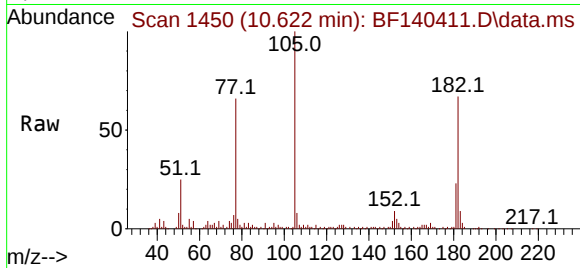




#63
Azobenzene
Concen: 2.558 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

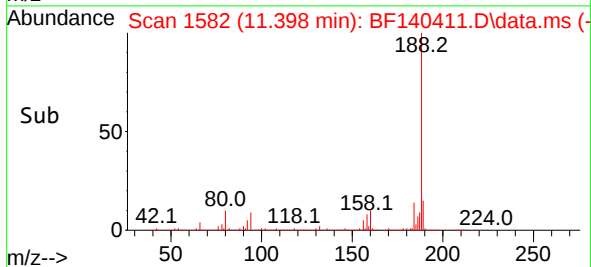
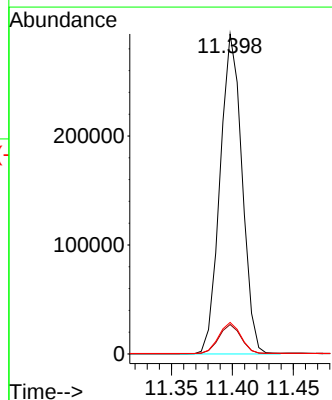
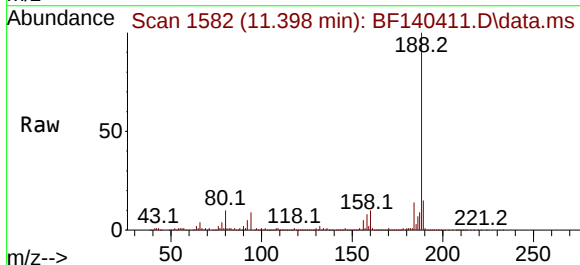
Instrument :
BNA_F
ClientSampleId :
MH-6DL

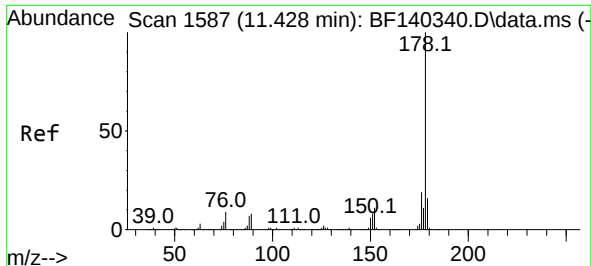
Tgt Ion: 77	Resp: 42107
Ion Ratio	Lower Upper
77	100
182	100.6 4.6 44.6#
105	150.9 0.9 40.9#
51	38.4 8.3 48.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion: 188	Resp: 369589
Ion Ratio	Lower Upper
188	100
94	9.2 7.6 11.4
80	9.8 8.0 12.0

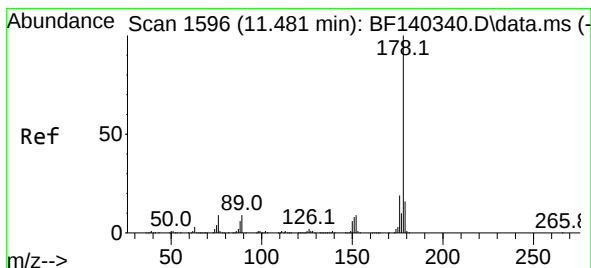
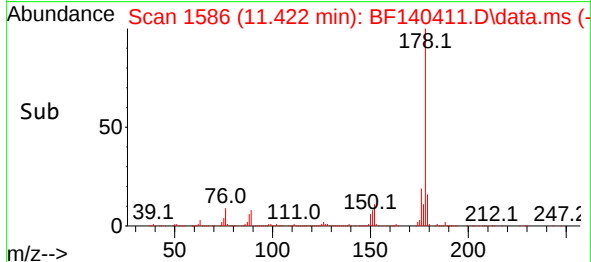
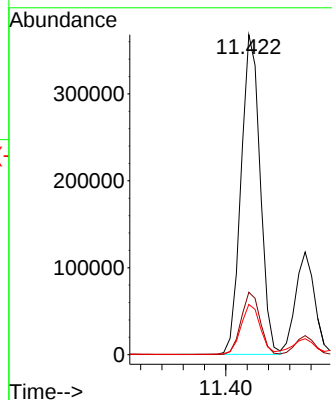
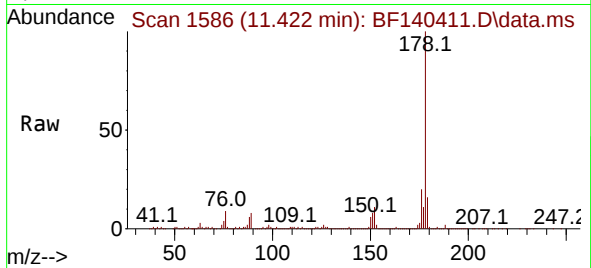




#71
Phenanthrene
Concen: 26.396 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

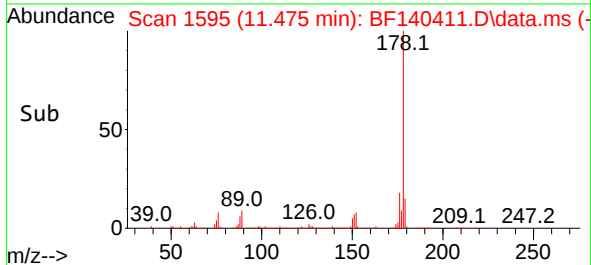
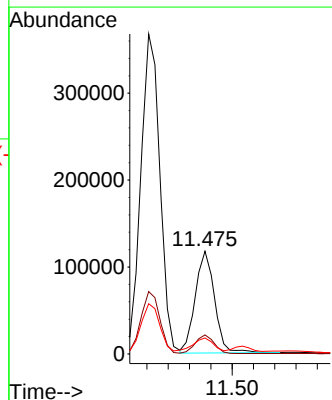
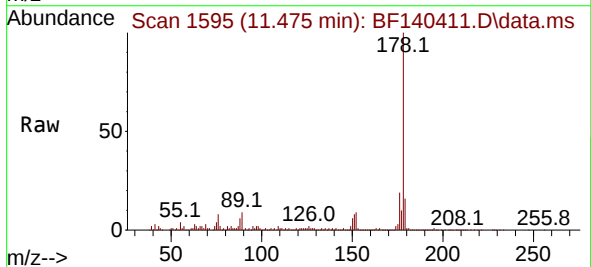
Instrument :
BNA_F
ClientSampleId :
MH-6DL

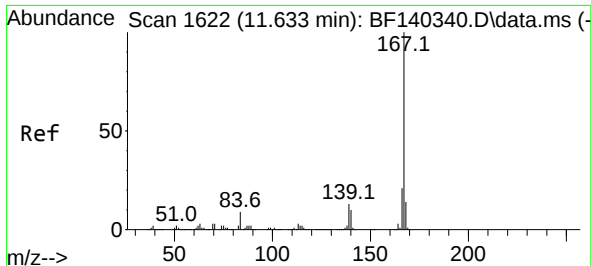
Tgt Ion:178 Resp: 458273
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.7 12.4 18.6



#72
Anthracene
Concen: 8.670 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:178 Resp: 147521
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.5 12.6 18.8

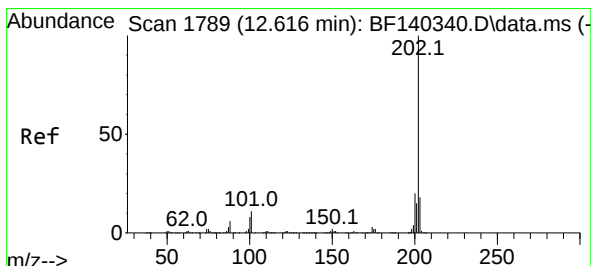
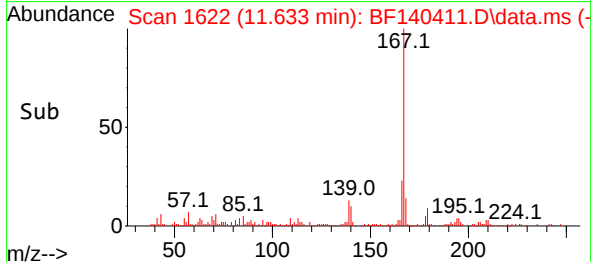
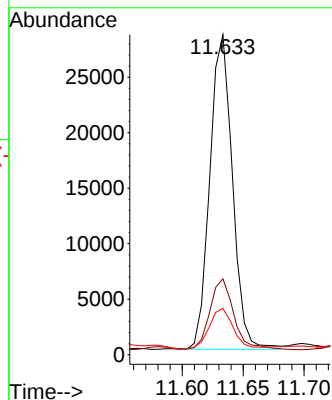
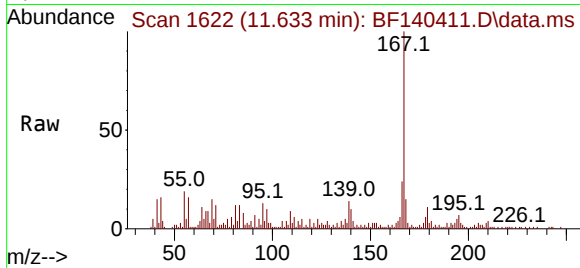




#73
 Carbazole
 Concen: 2.181 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.000 min
 Lab File: BF140411.D
 Acq: 15 Nov 2024 18:32

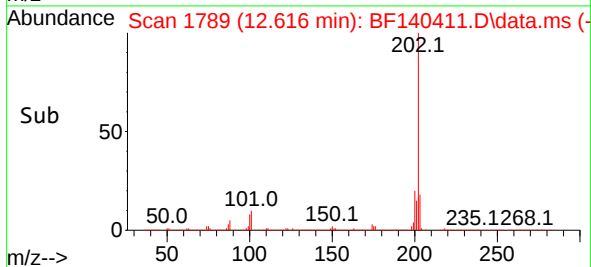
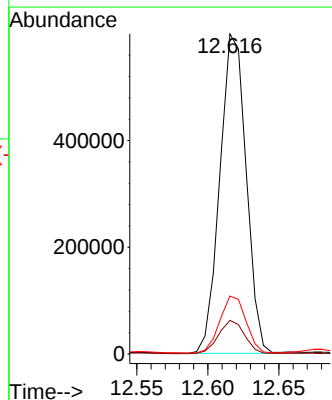
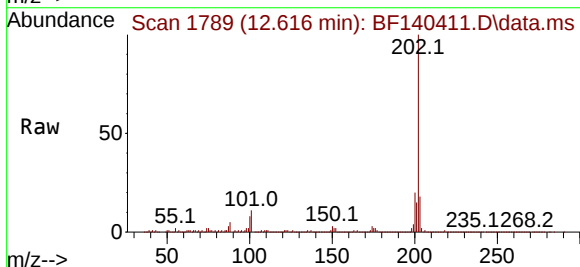
Instrument :
 BNA_F
 ClientSampleId :
 MH-6DL

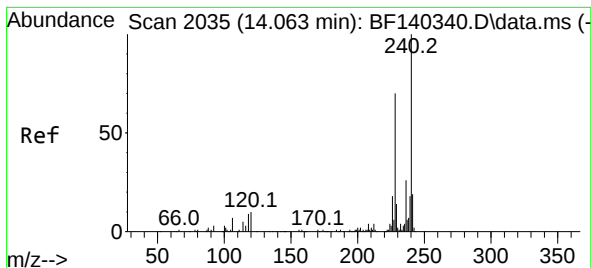
Tgt Ion:	167	Resp:	36636
Ion Ratio	Lower	Upper	
167	100		
166	23.7	17.2	25.8
139	14.5	10.4	15.6



#75
 Fluoranthene
 Concen: 39.634 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF140411.D
 Acq: 15 Nov 2024 18:32

Tgt Ion:	202	Resp:	771993
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	30.7
203	18.1	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

MH-6DL

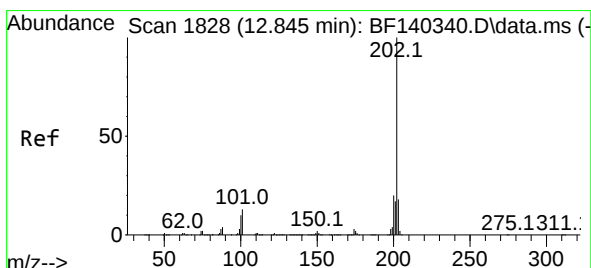
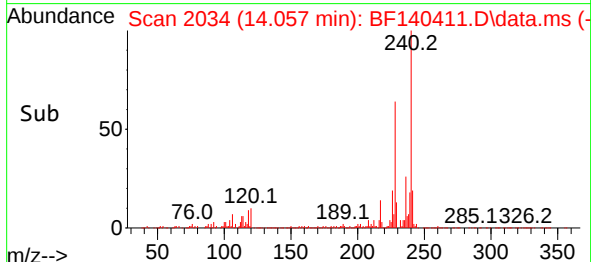
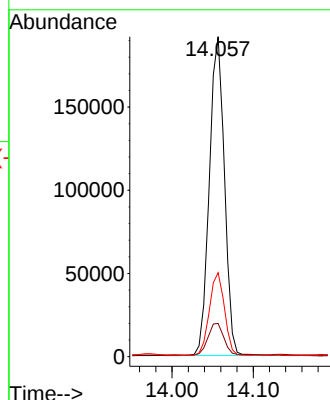
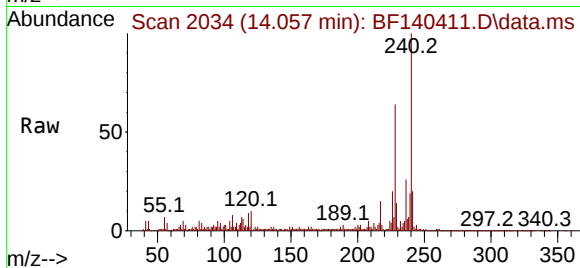
Tgt Ion:240 Resp: 246923

Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

236 26.2 20.9 31.3



#78

Pyrene

Concen: 32.262 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

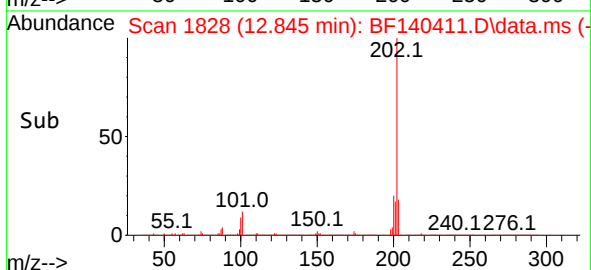
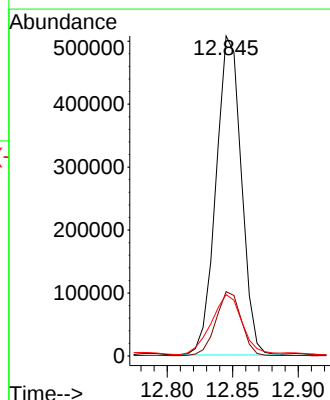
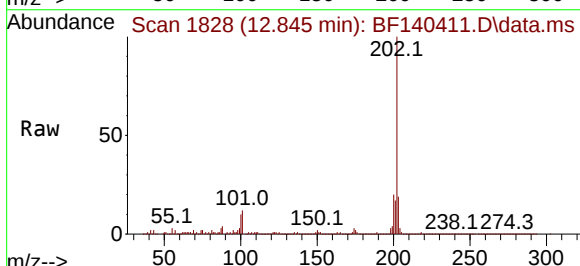
Tgt Ion:202 Resp: 681407

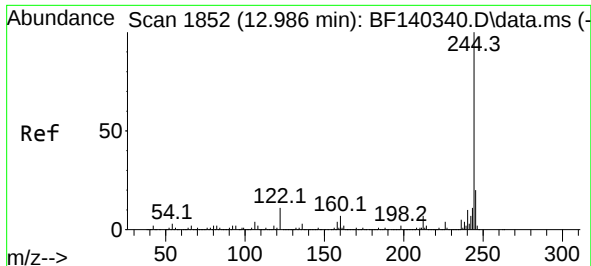
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 19.1 14.2 21.4

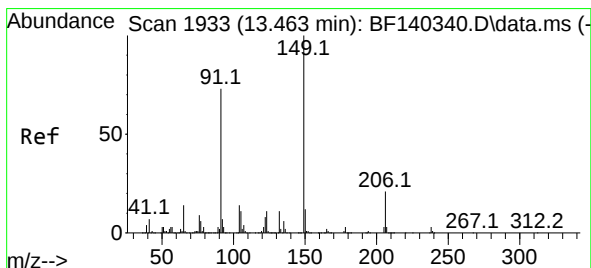
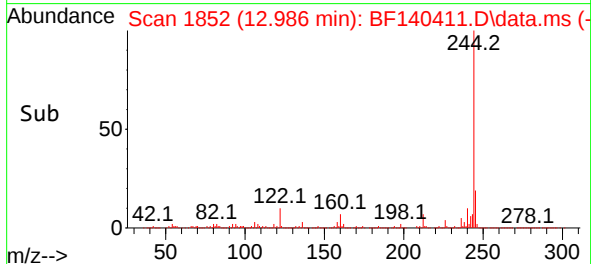
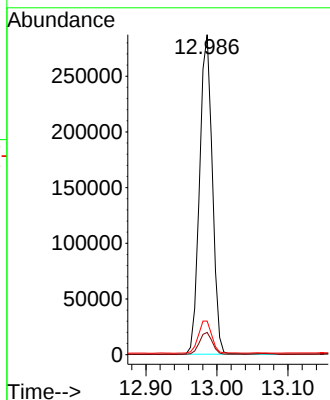
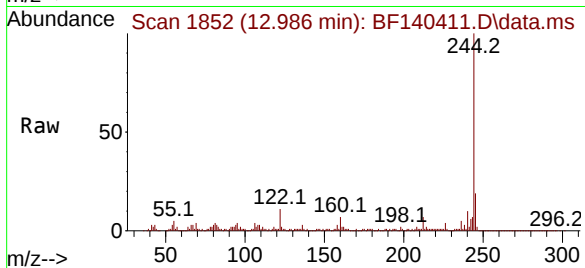




#79
 Terphenyl-d14
 Concen: 25.208 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: BF140411.D
 Acq: 15 Nov 2024 18:32

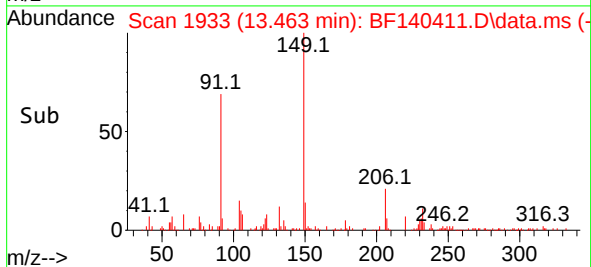
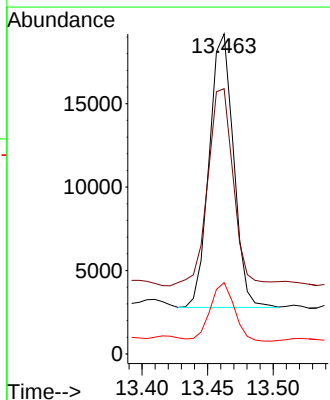
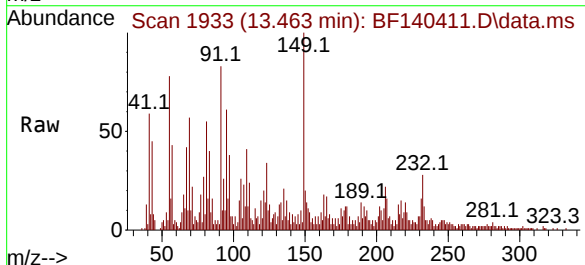
Instrument :
 BNA_F
 ClientSampleId :
 MH-6DL

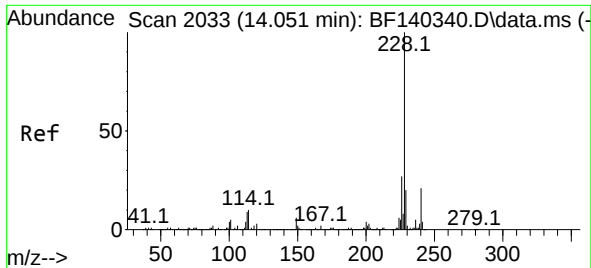
Tgt Ion:244 Resp: 358592
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 10.5 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 2.609 ng
 RT: 13.463 min Scan# 1933
 Delta R.T. 0.006 min
 Lab File: BF140411.D
 Acq: 15 Nov 2024 18:32

Tgt Ion:149 Resp: 21166
 Ion Ratio Lower Upper
 149 100
 91 82.9 61.0 91.4
 206 22.3 16.1 24.1

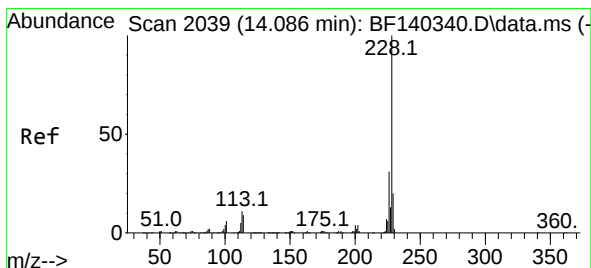
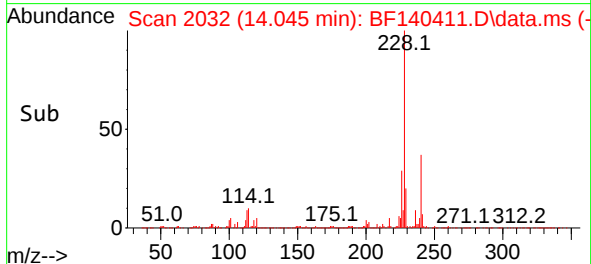
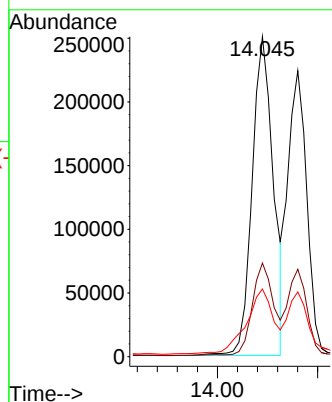
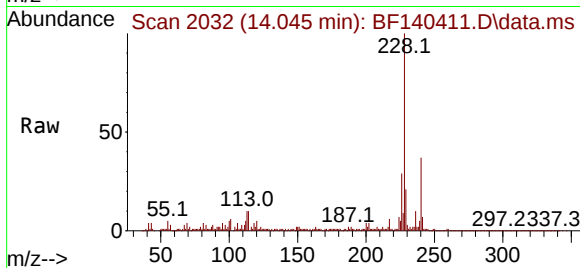




#81
Benzo(a)anthracene
Concen: 22.686 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

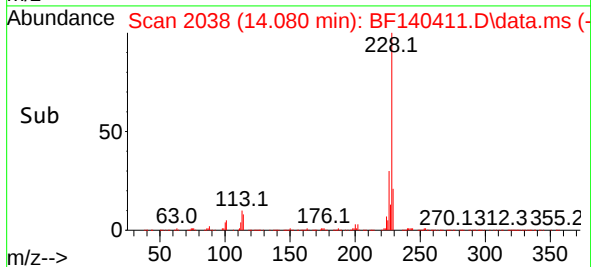
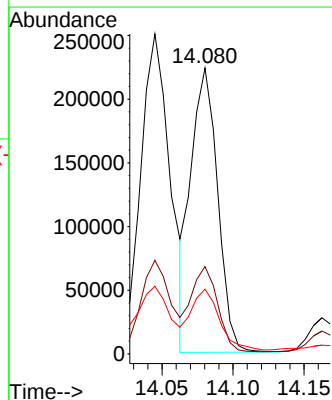
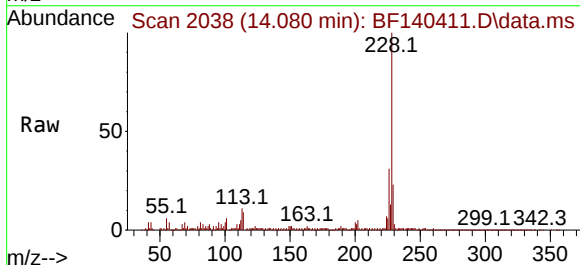
Instrument :
BNA_F
ClientSampleId :
MH-6DL

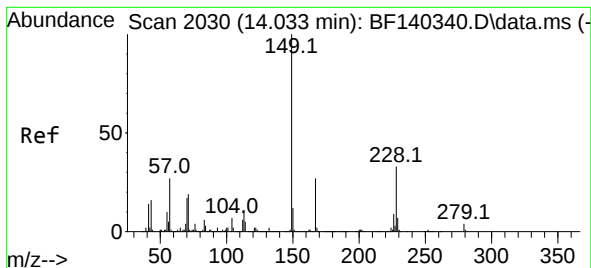
Tgt Ion:228 Resp: 368162
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.4
229 21.2 15.8 23.6



#83
Chrysene
Concen: 19.706 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:228 Resp: 291794
Ion Ratio Lower Upper
228 100
226 30.5 24.5 36.7
229 22.7 16.0 24.0

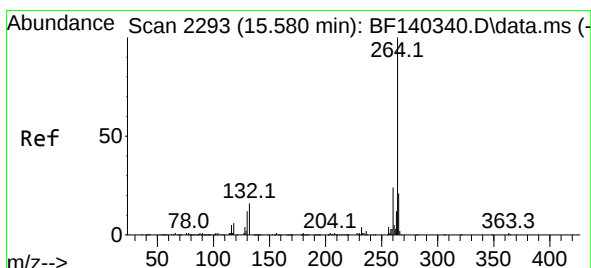
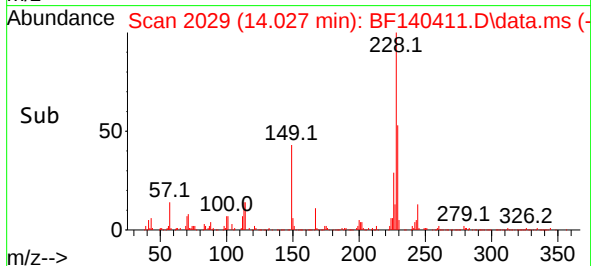
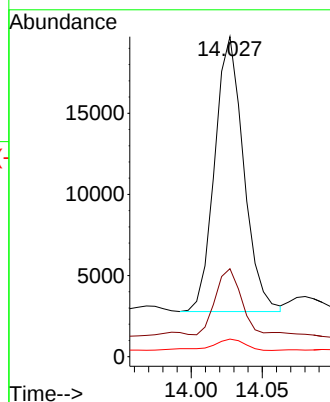
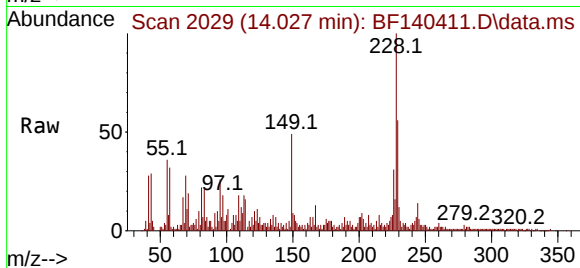




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.220 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

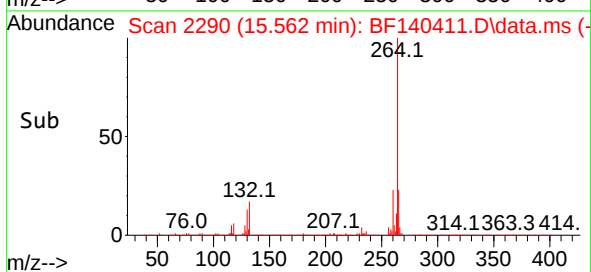
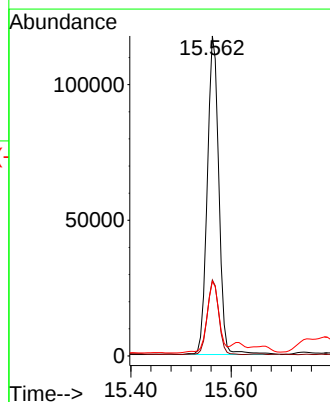
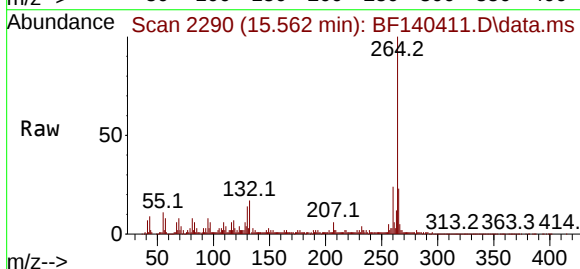
Instrument :
BNA_F
ClientSampleId :
MH-6DL

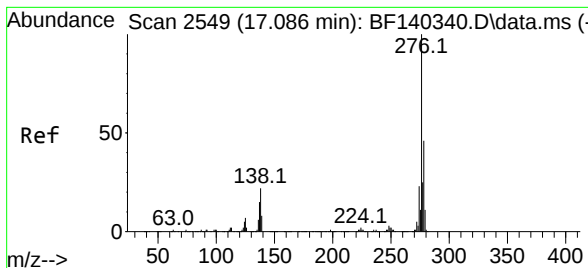
Tgt Ion:149 Resp: 24043
Ion Ratio Lower Upper
149 100
167 27.5 21.4 32.0
279 5.5 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:264 Resp: 188005
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 23.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.275 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

Instrument :

BNA_F

ClientSampleId :

MH-6DL

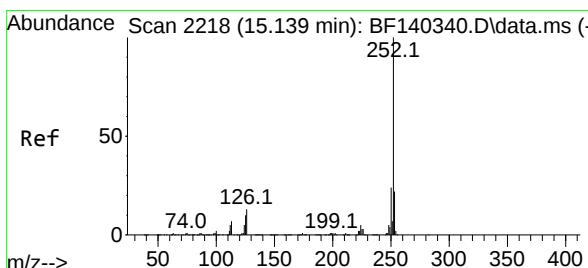
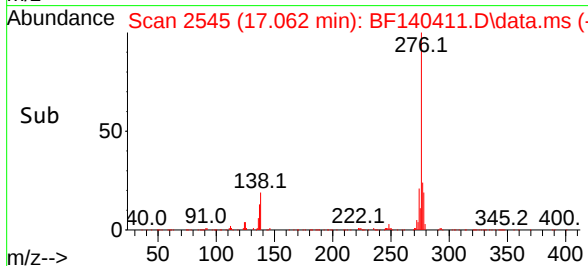
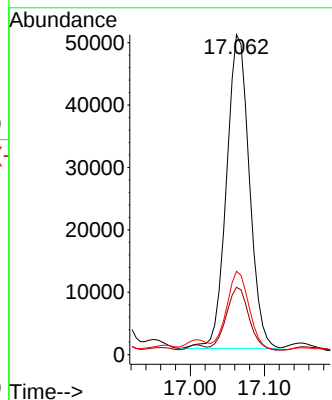
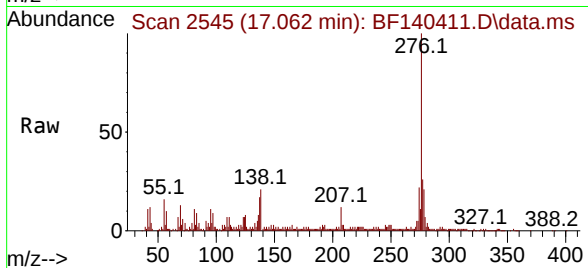
Tgt Ion:276 Resp: 107712

Ion Ratio Lower Upper

276 100

138 19.9 18.8 28.2

277 24.7 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 33.167 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.012 min

Lab File: BF140411.D

Acq: 15 Nov 2024 18:32

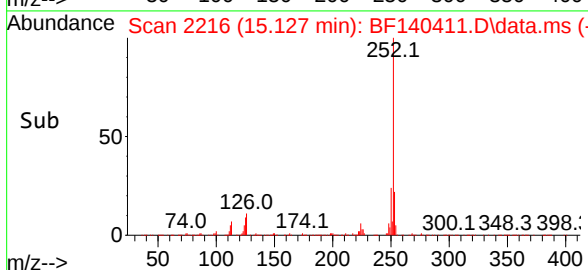
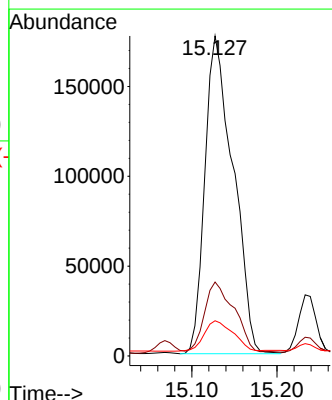
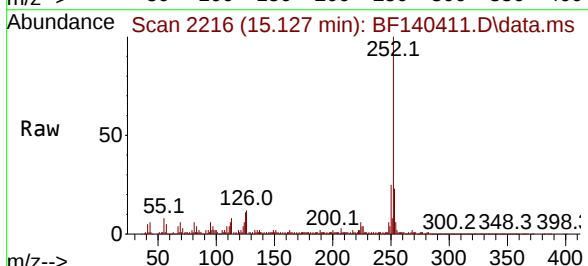
Tgt Ion:252 Resp: 407904

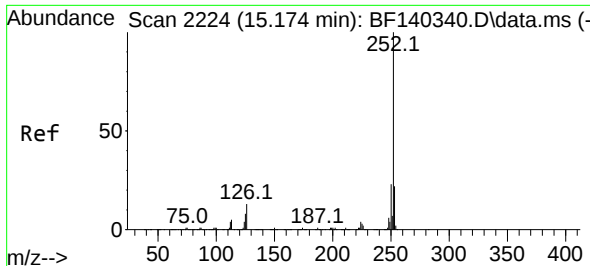
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 11.0 8.0 12.0

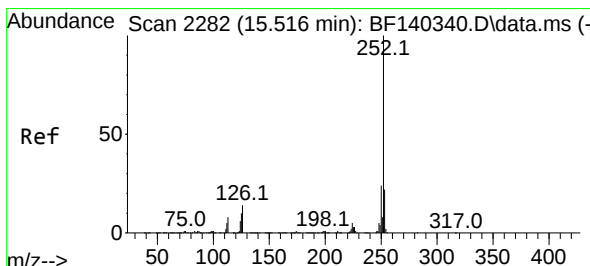
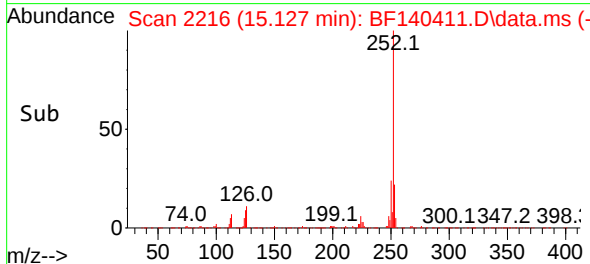
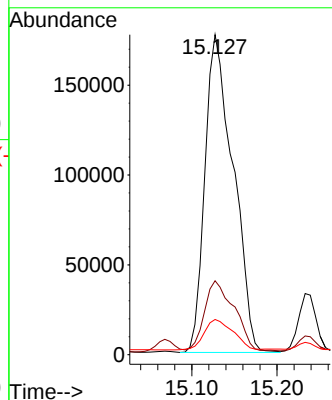
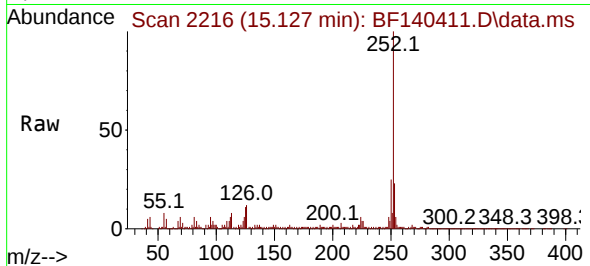




#89
Benzo(k)fluoranthene
Concen: 40.600 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

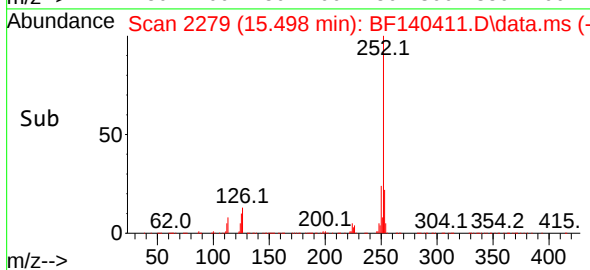
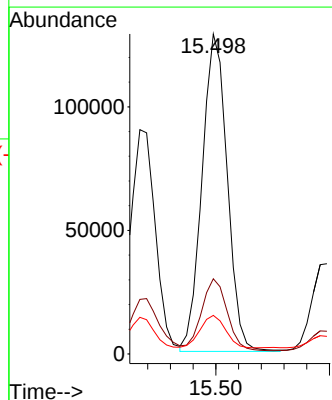
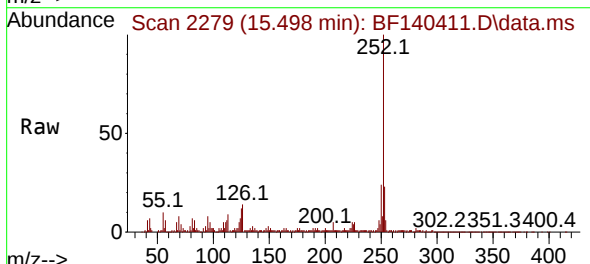
Instrument :
BNA_F
ClientSampleId :
MH-6DL

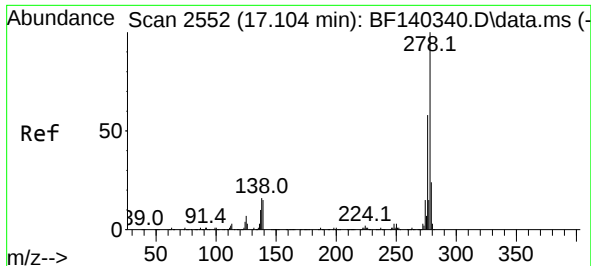
Tgt Ion:252 Resp: 407904
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 11.0 7.4 11.2



#90
Benzo(a)pyrene
Concen: 20.730 ng
RT: 15.498 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF140411.D
Acq: 15 Nov 2024 18:32

Tgt Ion:252 Resp: 197979
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 12.1 8.4 12.6

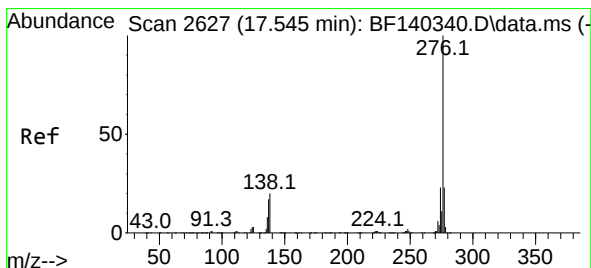
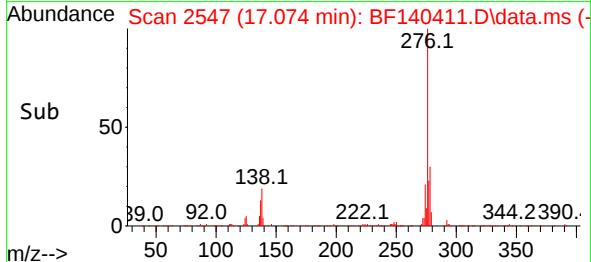
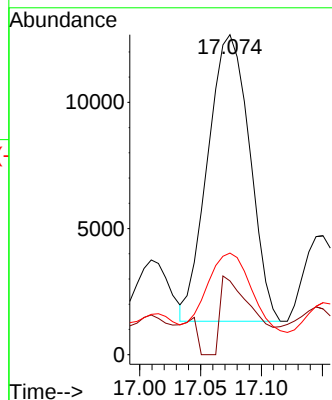
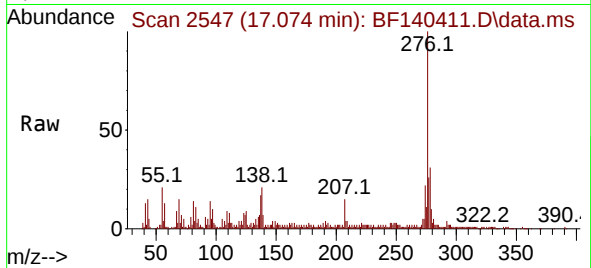




#91
 Dibenzo(a,h)anthracene
 Concen: 2.830 ng
 RT: 17.074 min Scan# 2547
 Delta R.T. -0.000 min
 Lab File: BF140411.D
 Acq: 15 Nov 2024 18:32

Instrument :
 BNA_F
 ClientSampleId :
 MH-6DL

Tgt Ion:278 Resp: 27170
 Ion Ratio Lower Upper
 278 100
 139 23.1 11.8 17.8#
 279 31.7 18.9 28.3#



#92
 Benzo(g,h,i)perylene
 Concen: 10.432 ng
 RT: 17.521 min Scan# 2623
 Delta R.T. 0.006 min
 Lab File: BF140411.D
 Acq: 15 Nov 2024 18:32

Tgt Ion:276 Resp: 102376
 Ion Ratio Lower Upper
 276 100
 277 25.7 18.6 28.0
 138 20.5 16.0 24.0

