

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
 Data File : BF140044.D
 Acq On : 25 Oct 2024 18:21
 Operator : RC/JU
 Sample : P4472-05RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F-6

Quant Time: Oct 25 22:42:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	99385	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	351142	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	156879	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	244143	20.000	ng	0.00
76) Chrysene-d12	14.051	240	233048	20.000	ng	0.00
86) Perylene-d12	15.527	264	195759	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	456147	71.851	ng	0.00
7) Phenol-d6	6.504	99	568204	69.105	ng	0.00
23) Nitrobenzene-d5	7.445	82	365054	57.619	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	106279	72.427	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	613899	64.673	ng	0.00
79) Terphenyl-d14	12.992	244	598366	41.838	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	50296	10.086	ng	# 76
25) Isophorone	7.445	82	362522	30.147	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	19779	9.348	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	19911	7.653	ng	# 21
63) Azobenzene	10.633	77	61551	6.051	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6939	2.759	ng	# 1
71) Phenanthrene	11.433	178	32955	2.858	ng	99
75) Fluoranthene	12.621	202	60032	5.149	ng	99
77) Benzidine	12.992	184	7992	2.086	ng	96
78) Pyrene	12.851	202	50652	2.483	ng	98
81) Benzo(a)anthracene	14.039	228	30690	2.023	ng	98
88) Benzo(b)fluoranthene	15.092	252	33083	2.774	ng	# 84
89) Benzo(k)fluoranthene	15.092	252	33083	3.217	ng	# 84

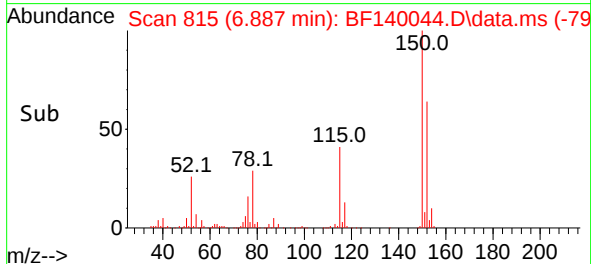
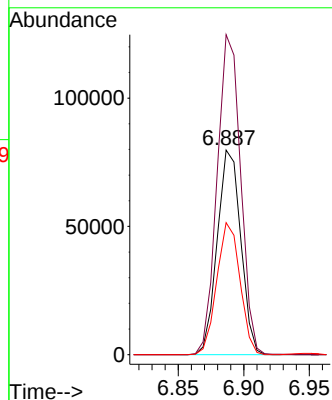
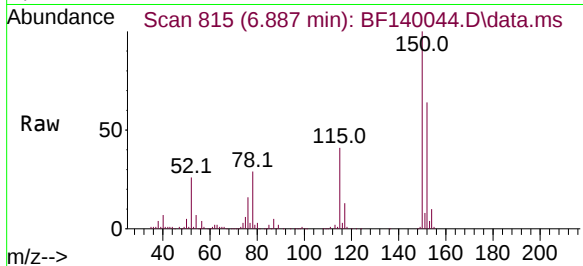
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

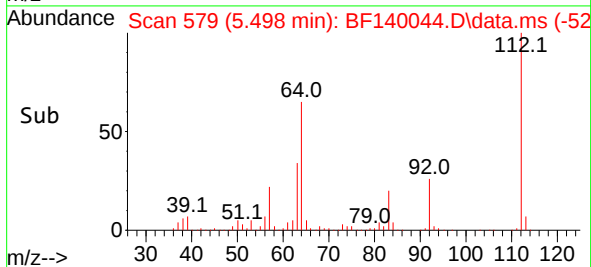
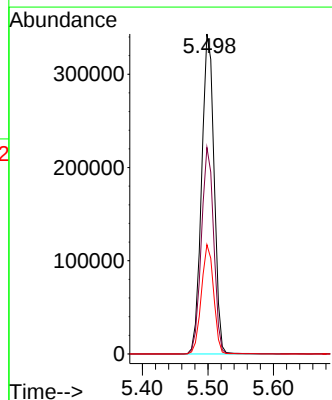
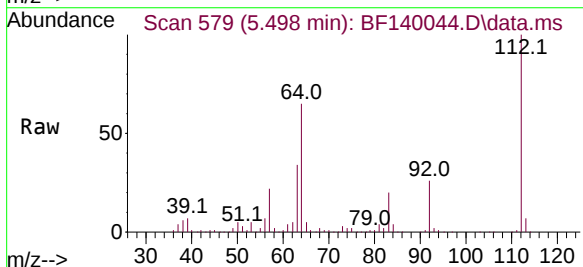
Instrument :
BNA_F
ClientSampleId :
BP-F-6

Tgt Ion:152 Resp: 99385
Ion Ratio Lower Upper
152 100
150 156.3 130.2 195.2
115 64.5 51.4 77.2



#5
2-Fluorophenol
Concen: 71.851 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Tgt Ion:112 Resp: 456147
Ion Ratio Lower Upper
112 100
64 64.6 53.0 79.6
63 34.2 27.0 40.4

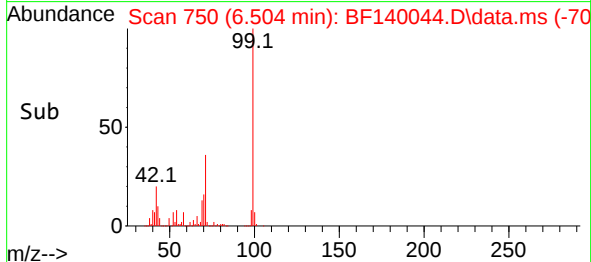
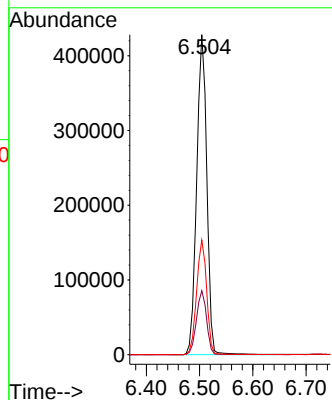
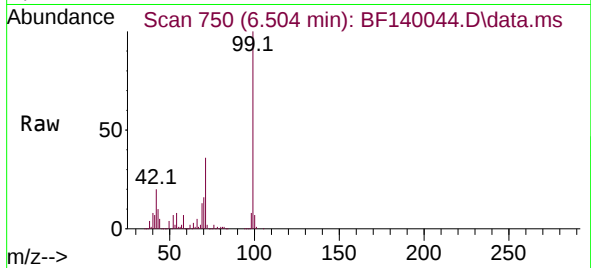




#7
Phenol-d6
Concen: 69.105 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

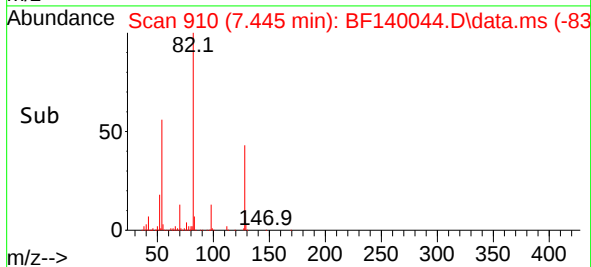
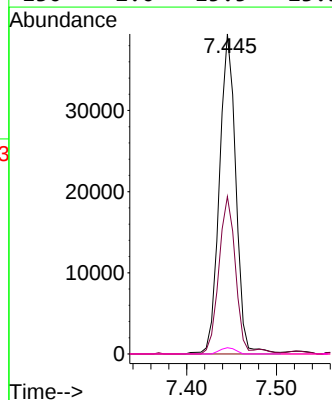
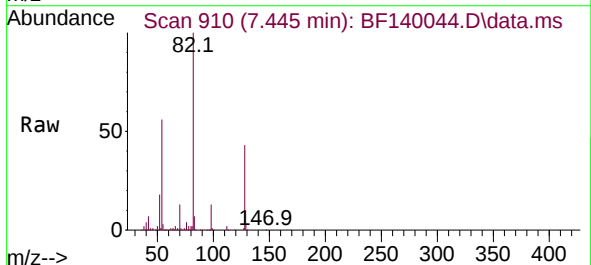
Instrument :
BNA_F
ClientSampleId :
BP-F-6

Tgt Ion: 99 Resp: 568204
Ion Ratio Lower Upper
99 100
42 20.0 16.7 25.1
71 35.9 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.086 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Tgt Ion: 70 Resp: 50296
Ion Ratio Lower Upper
70 100
42 49.2 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



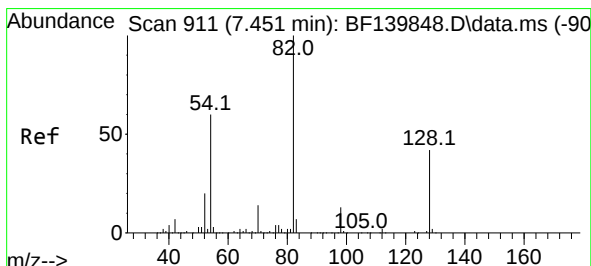
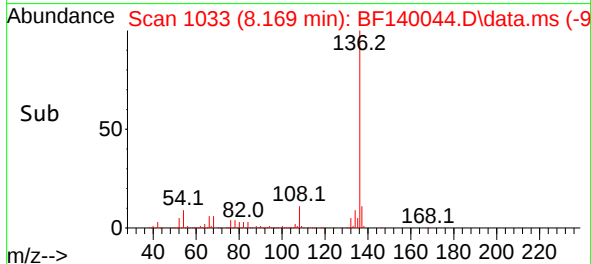
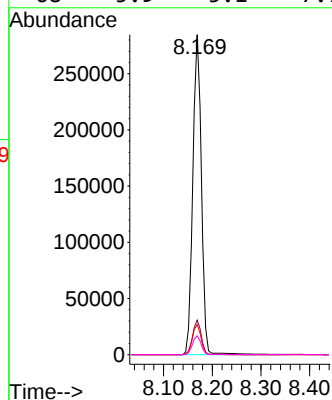
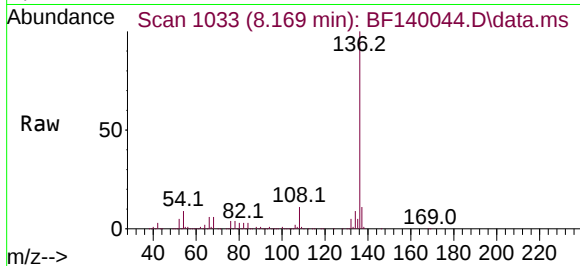


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Instrument :
BNA_F
ClientSampleId :
BP-F-6

Tgt Ion:136 Resp: 351142

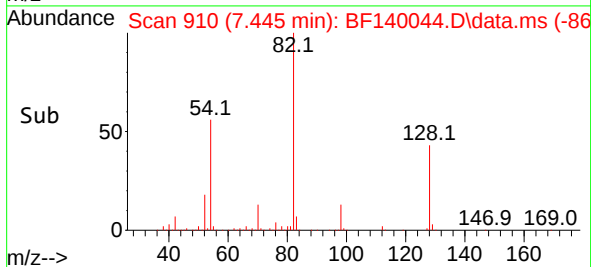
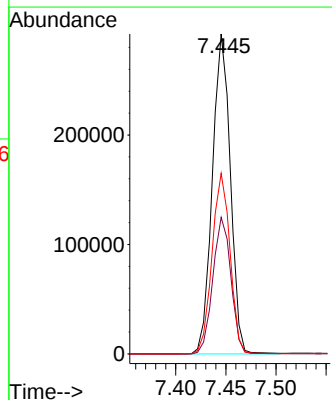
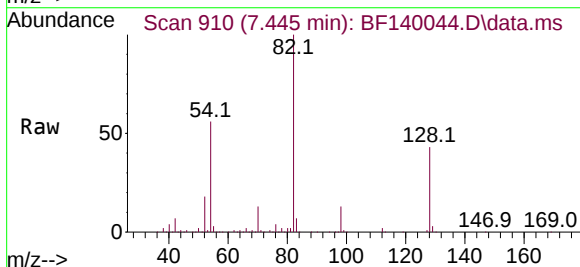
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.4	8.4	12.6
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 57.619 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Tgt Ion: 82 Resp: 365054

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.4	50.0
54	56.5	47.8	71.8

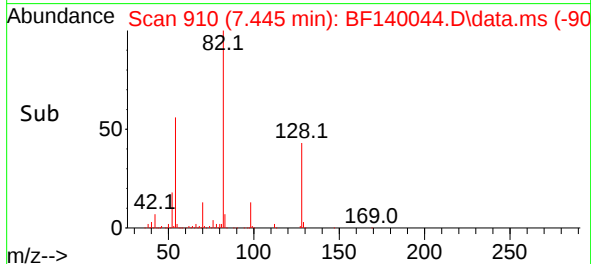
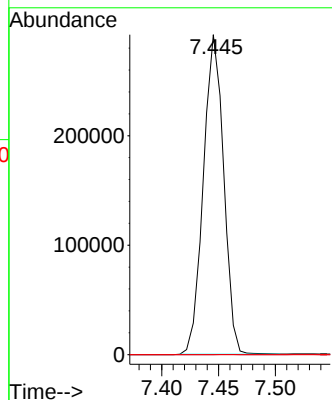
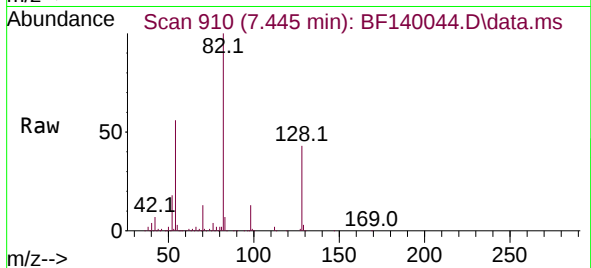




#25
Isophorone
Concen: 30.147 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

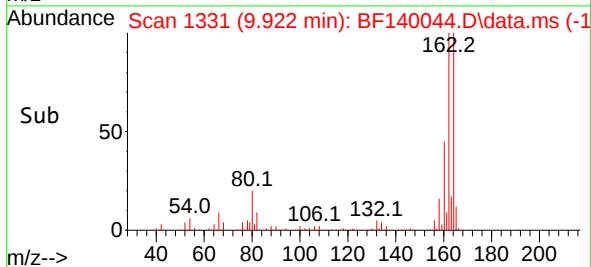
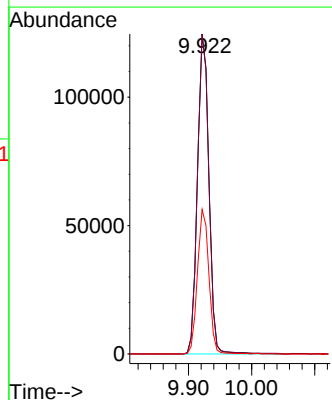
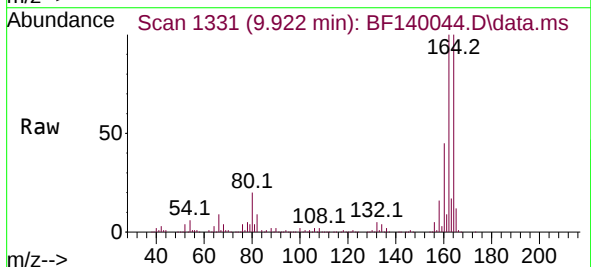
Instrument :
BNA_F
ClientSampleId :
BP-F-6

Tgt Ion: 82 Resp: 362522
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

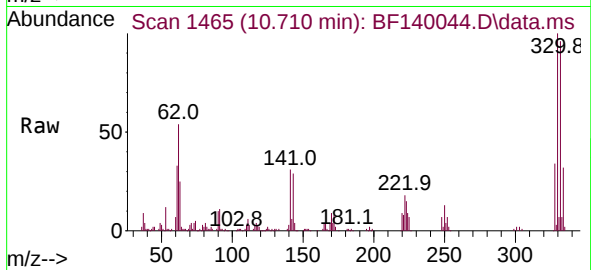
Tgt Ion: 164 Resp: 156879
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 45.2 35.4 53.0



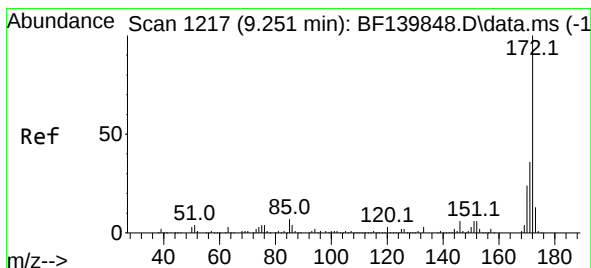
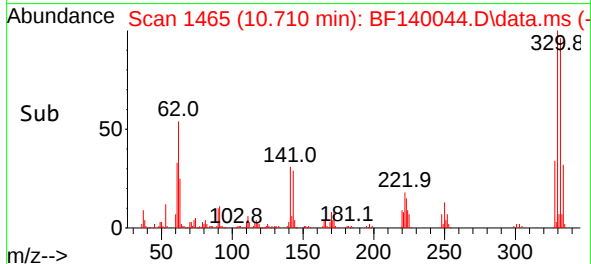
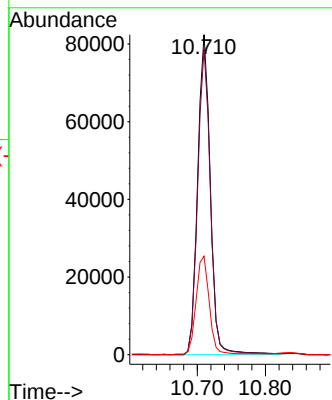


#42
2,4,6-Tribromophenol
Concen: 72.427 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Instrument :
BNA_F
ClientSampleId :
BP-F-6

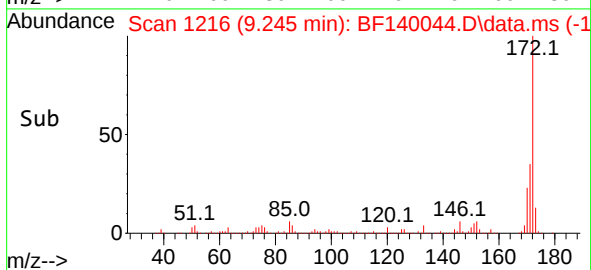
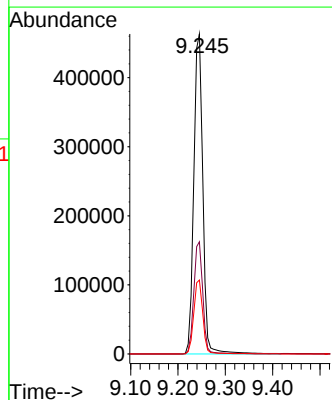
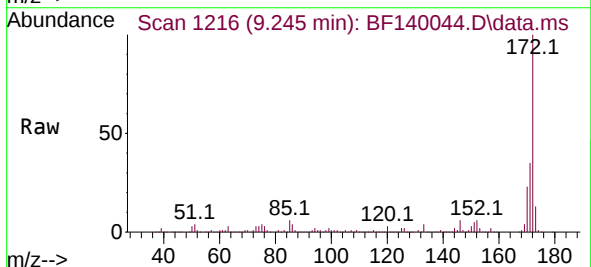


Tgt Ion: 330 Resp: 106279
Ion Ratio Lower Upper
330 100
332 95.3 78.1 117.1
141 31.9 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 64.673 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Tgt Ion: 172 Resp: 613899
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.1 19.1 28.7

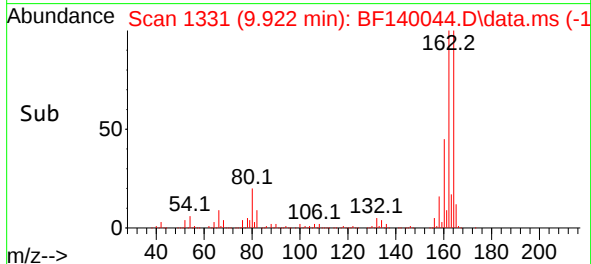
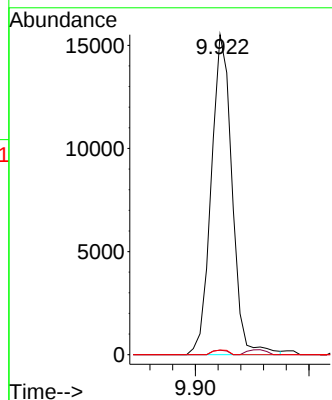
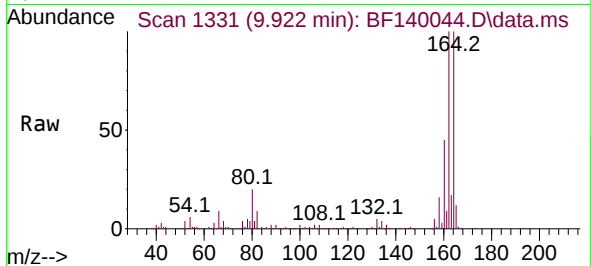




#51
2,6-Dinitrotoluene
Concen: 9.348 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

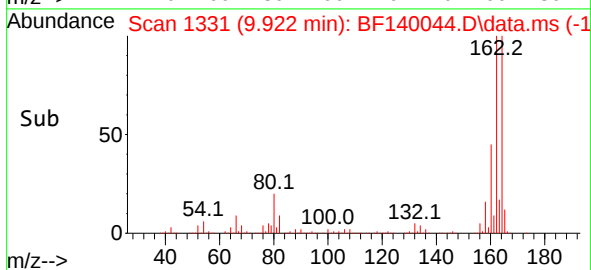
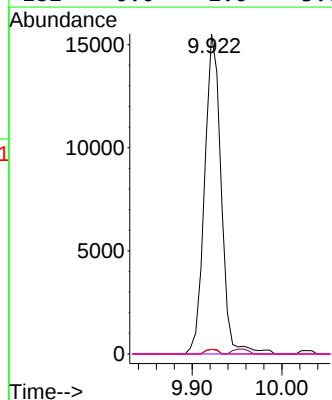
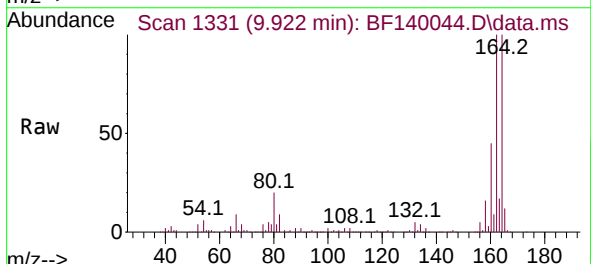
Instrument :
BNA_F
ClientSampleId :
BP-F-6

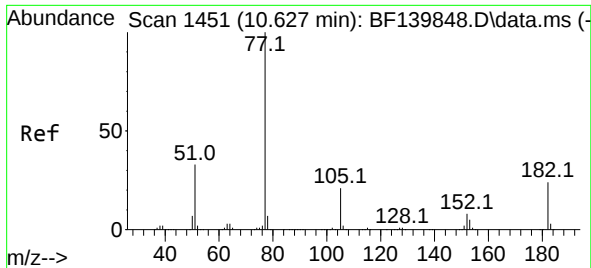
Tgt Ion:165 Resp: 19779
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.5 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.653 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Tgt Ion:165 Resp: 19911
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.5 60.4 90.6#
182 0.0 2.0 3.0#

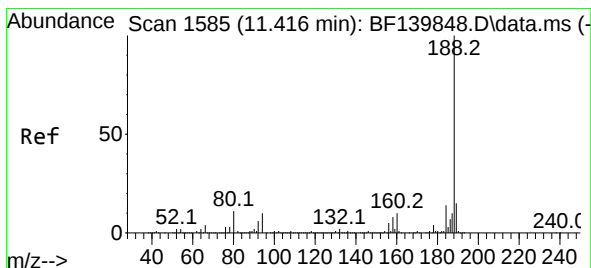
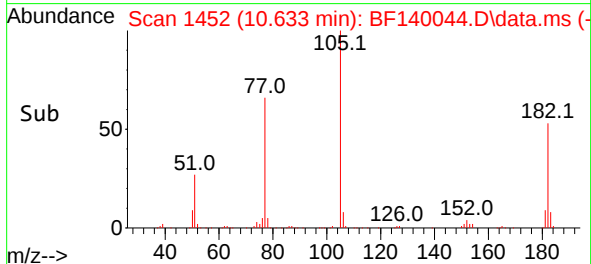
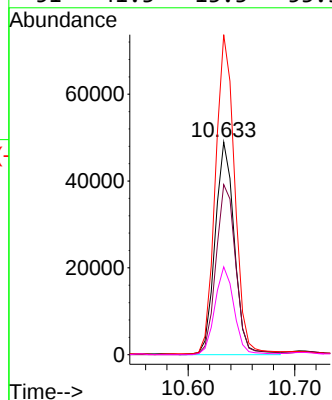
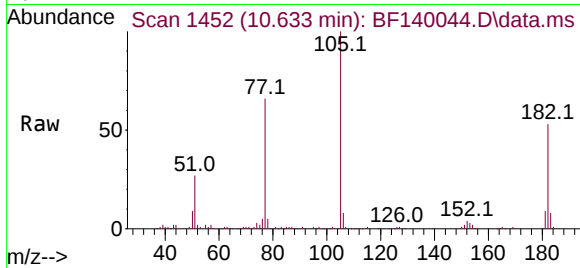




#63
Azobenzene
Concen: 6.051 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

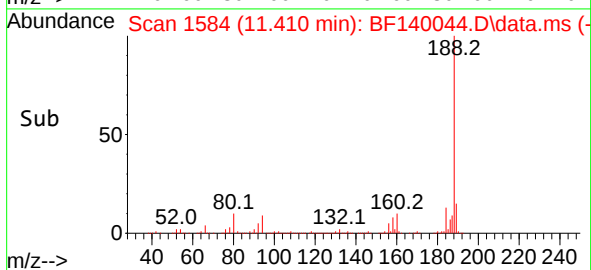
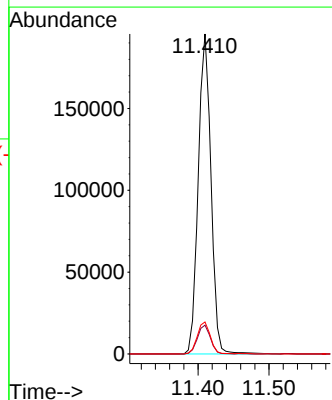
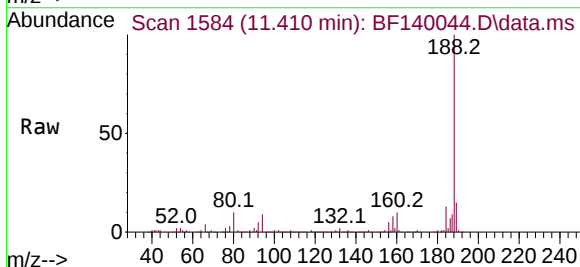
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ClientSampleId :
BP-F-6

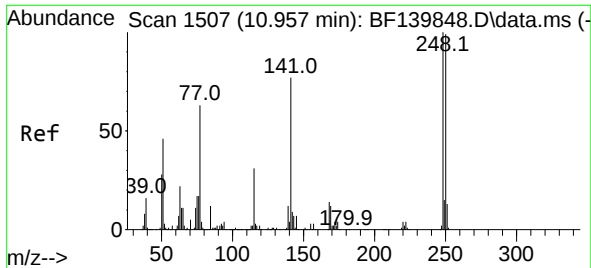
Tgt Ion: 77	Resp: 61551
Ion Ratio	Lower Upper
77	100
182	79.9 3.3 43.3#
105	150.5 1.2 41.2#
51	41.3 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Tgt Ion: 188	Resp: 244143
Ion Ratio	Lower Upper
188	100
94	9.0 7.9 11.9
80	10.0 9.0 13.4

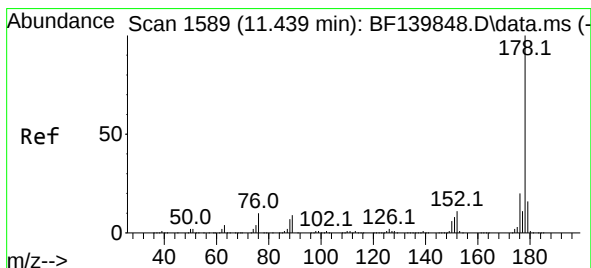
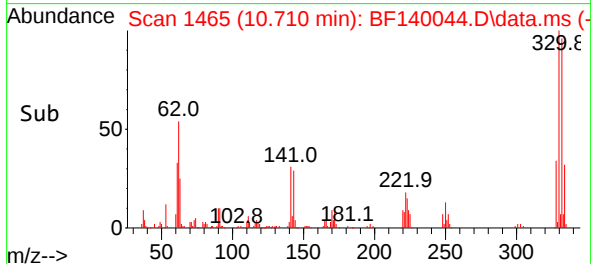
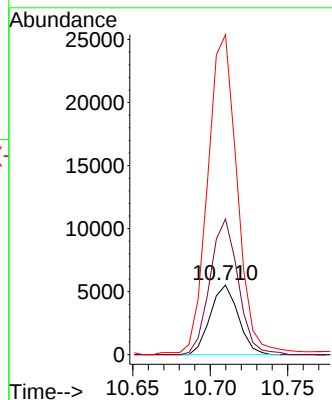
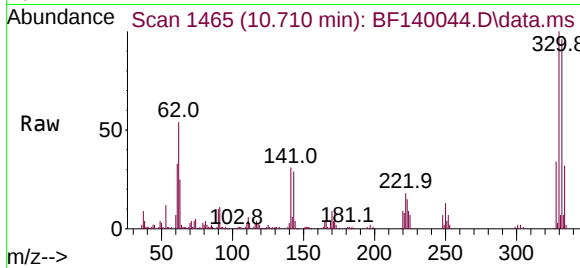




#67
4-Bromophenyl-phenylether
Concen: 2.759 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

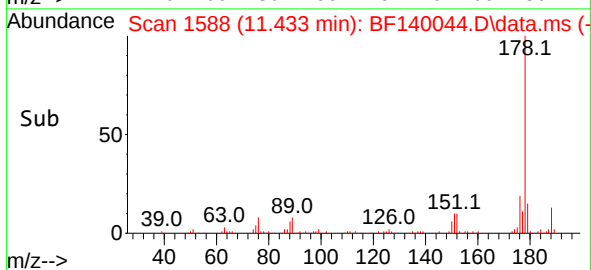
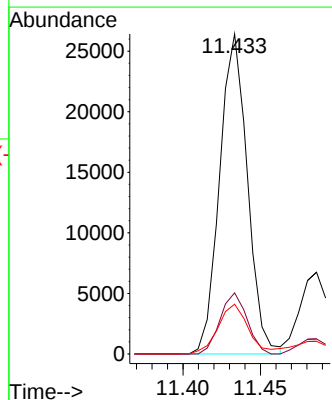
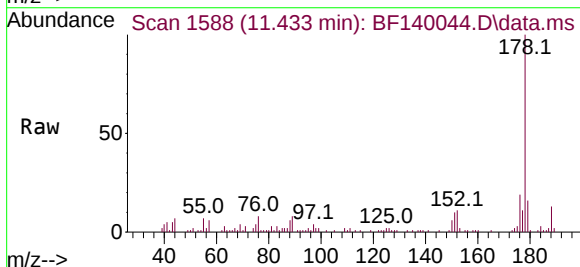
Instrument :
BNA_F
ClientSampleId :
BP-F-6

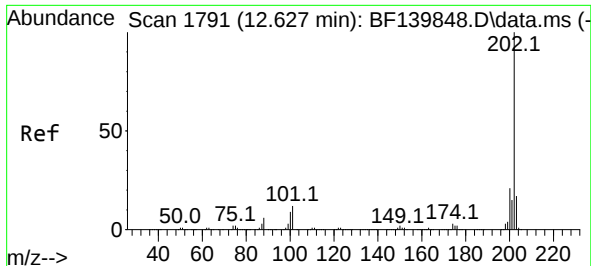
Tgt Ion:248 Resp: 6939
Ion Ratio Lower Upper
248 100
250 194.8 79.0 118.6#
141 459.6 61.7 92.5#



#71
Phenanthrene
Concen: 2.858 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Tgt Ion:178 Resp: 32955
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.5 12.6 18.8

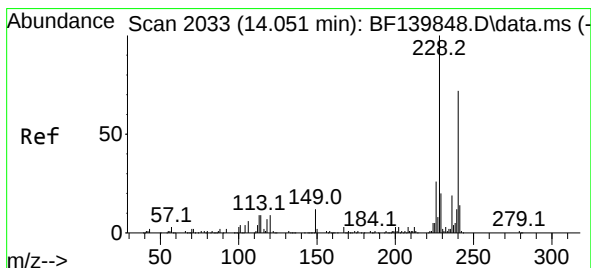
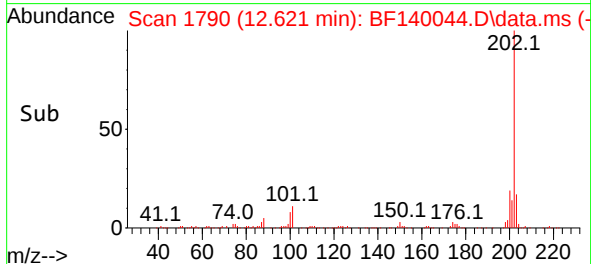
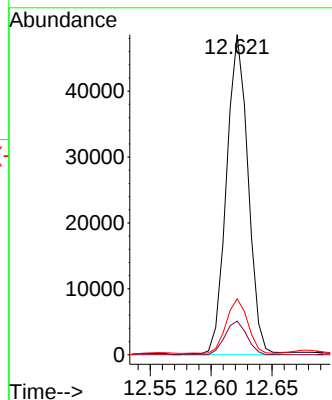
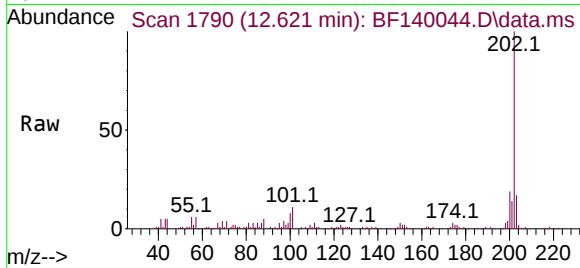




#75
Fluoranthene
Concen: 5.149 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

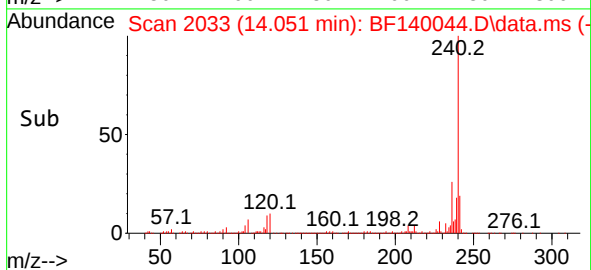
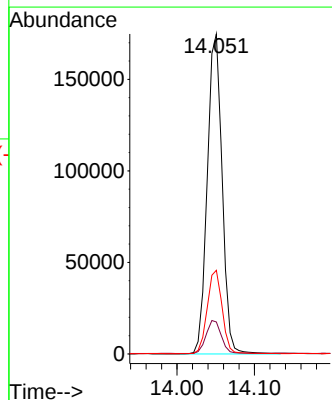
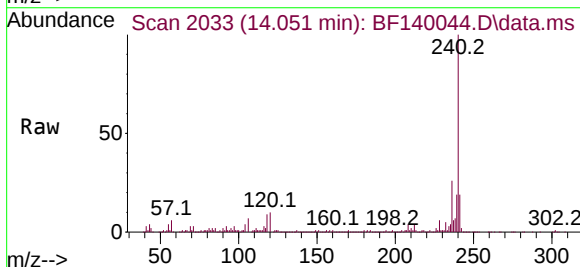
Instrument :
BNA_F
ClientSampleId :
BP-F-6

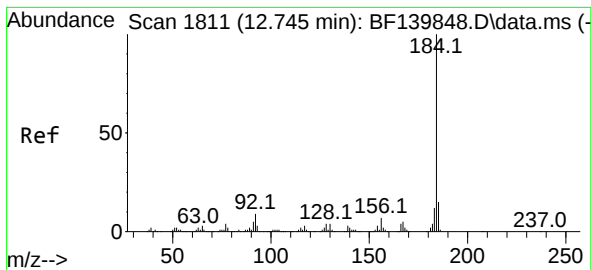
Tgt Ion:202 Resp: 60032
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.9
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140044.D
Acq: 25 Oct 2024 18:21

Tgt Ion:240 Resp: 233048
Ion Ratio Lower Upper
240 100
120 10.0 9.4 14.2
236 26.2 20.9 31.3





#77

Benzidine

Concen: 2.086 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140044.D

Acq: 25 Oct 2024 18:21

Instrument :

BNA_F

ClientSampleId :

BP-F-6

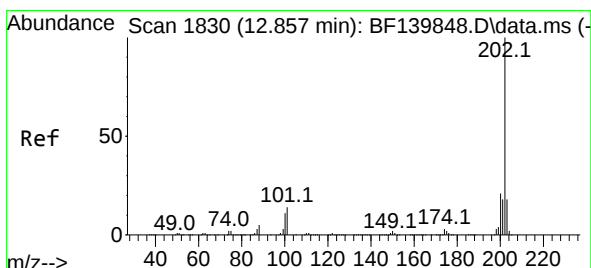
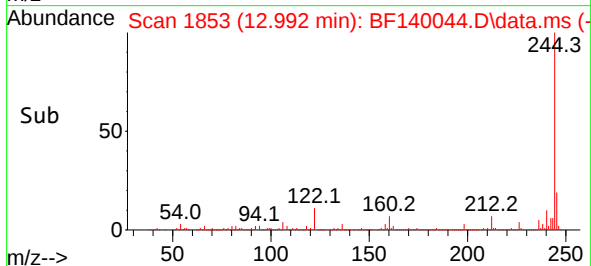
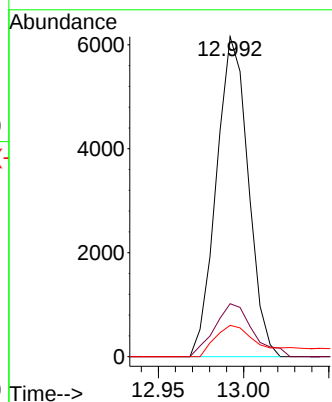
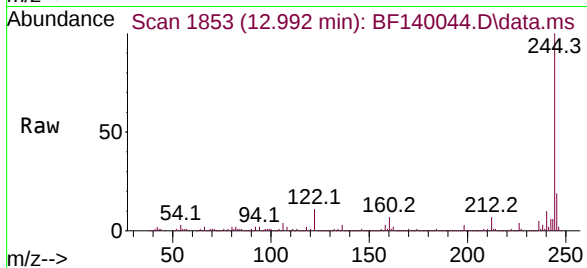
Tgt Ion:184 Resp: 7992

Ion Ratio Lower Upper

184 100

185 16.5 12.0 18.0

183 9.8 9.4 14.2



#78

Pyrene

Concen: 2.483 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140044.D

Acq: 25 Oct 2024 18:21

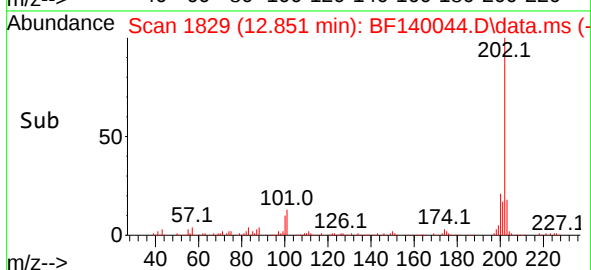
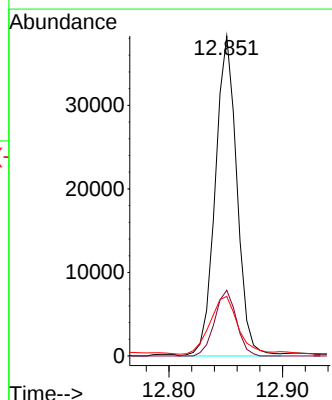
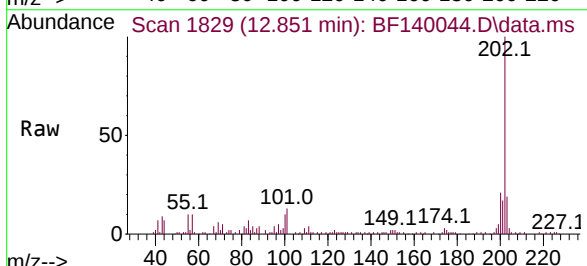
Tgt Ion:202 Resp: 50652

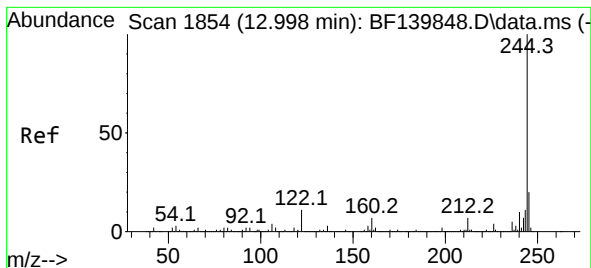
Ion Ratio Lower Upper

202 100

200 20.5 17.2 25.8

203 18.6 14.2 21.4





#79

Terphenyl-d14

Concen: 41.838 ng

RT: 12.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140044.D

Acq: 25 Oct 2024 18:21

Instrument :

BNA_F

ClientSampleId :

BP-F-6

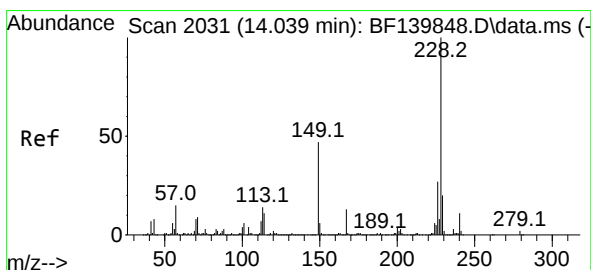
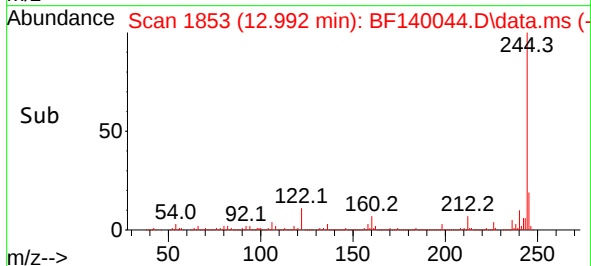
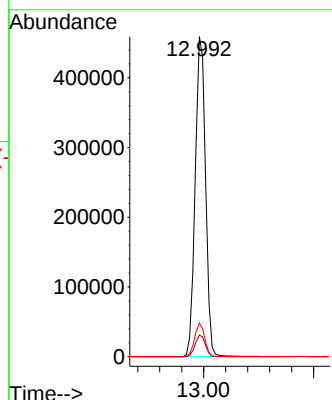
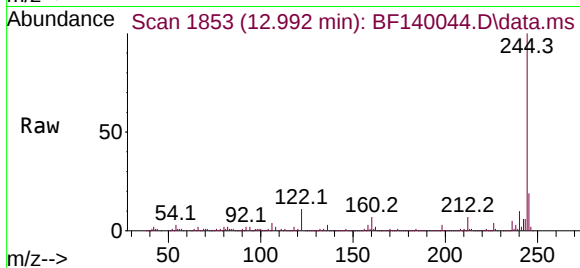
Tgt Ion:244 Resp: 598366

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 10.5 8.6 13.0



#81

Benzo(a)anthracene

Concen: 2.023 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140044.D

Acq: 25 Oct 2024 18:21

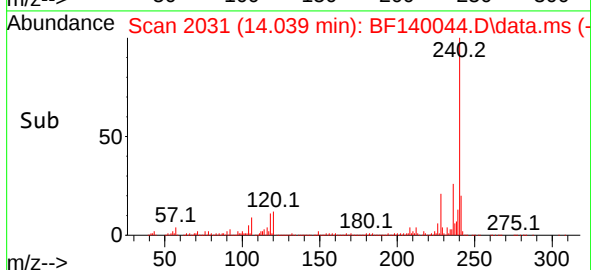
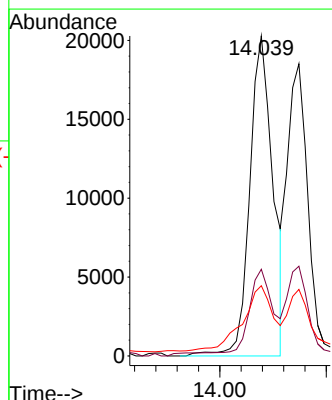
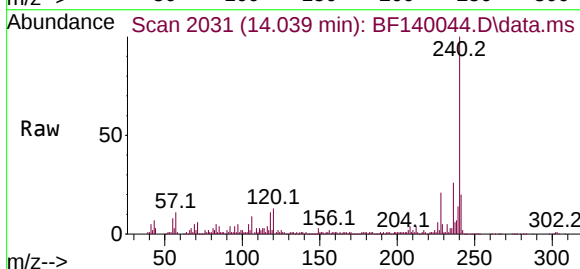
Tgt Ion:228 Resp: 30690

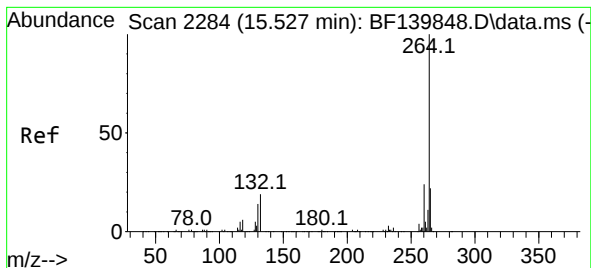
Ion Ratio Lower Upper

228 100

226 27.1 21.6 32.4

229 22.0 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140044.D

Acq: 25 Oct 2024 18:21

Instrument :

BNA_F

ClientSampleId :

BP-F-6

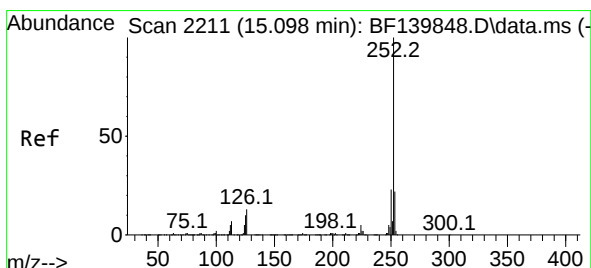
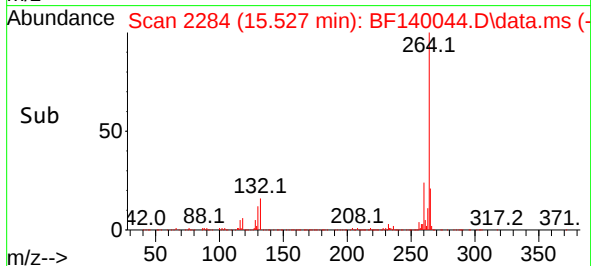
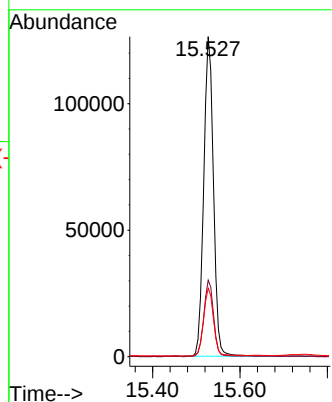
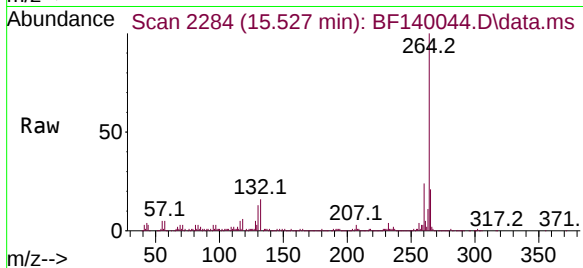
Tgt Ion:264 Resp: 195759

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.4 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.774 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF140044.D

Acq: 25 Oct 2024 18:21

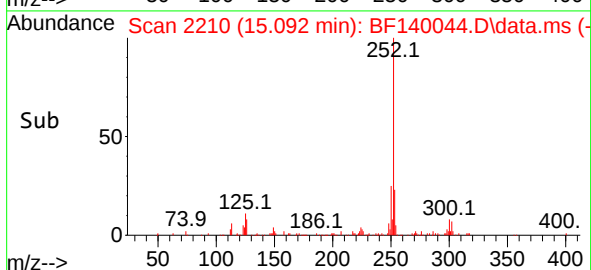
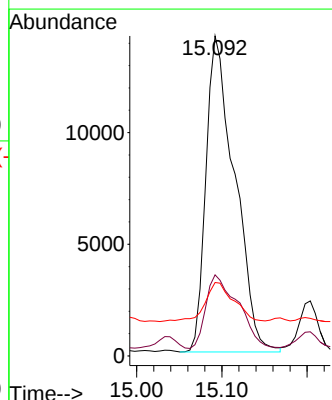
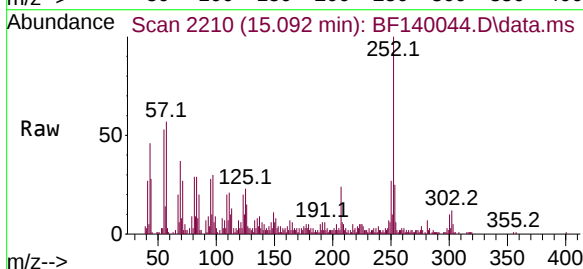
Tgt Ion:252 Resp: 33083

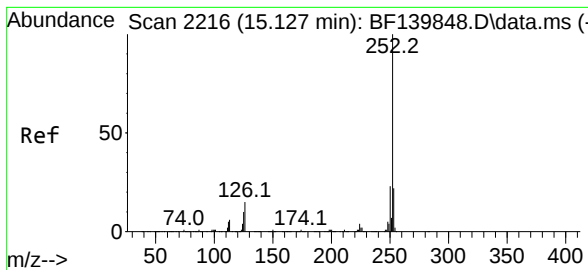
Ion Ratio Lower Upper

252 100

253 25.4 17.6 26.4

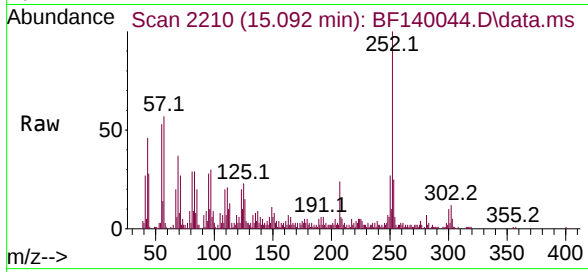
125 22.9 7.9 11.9#





#89
 Benzo(k)fluoranthene
 Concen: 3.217 ng
 RT: 15.092 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF140044.D
 Acq: 25 Oct 2024 18:21

Instrument :
 BNA_F
 ClientSampleId :
 BP-F-6



Tgt Ion:252 Resp: 33083

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.6	26.4
125	22.9	7.9	11.9#

