

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140024.D
 Acq On : 25 Oct 2024 02:14
 Operator : RC/JU
 Sample : P4472-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F-6

Quant Time: Oct 25 03:05:52 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	6.893	152	87624	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	316891	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	148343	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	224585	20.000	ng	0.00
76) Chrysene-d12	14.051	240	186133	20.000	ng	0.00
86) Perylene-d12	15.533	264	135290	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	408508	72.984	ng	0.00
7) Phenol-d6	6.510	99	506573	69.879	ng	0.00
23) Nitrobenzene-d5	7.445	82	334077	58.429	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	103522	74.608	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	576831	64.265	ng	0.00
79) Terphenyl-d14	12.998	244	512211	44.841	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	46389	10.551	ng	# 77
25) Isophorone	7.445	82	332707	30.658	ng	# 67
51) 2,6-Dinitrotoluene	9.928	165	20175	10.084	ng	# 22
57) 2,4-Dinitrotoluene	9.928	165	20175	8.200	ng	# 21
63) Azobenzene	10.633	77	58645	6.097	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	7275	3.144	ng	# 1
71) Phenanthrene	11.433	178	30340	2.860	ng	99
75) Fluoranthene	12.622	202	51552	4.807	ng	99
78) Pyrene	12.851	202	42175	2.589	ng	97
88) Benzo(b)fluoranthene	15.098	252	23914	2.902	ng	# 72
89) Benzo(k)fluoranthene	15.098	252	23914	3.365	ng	# 72

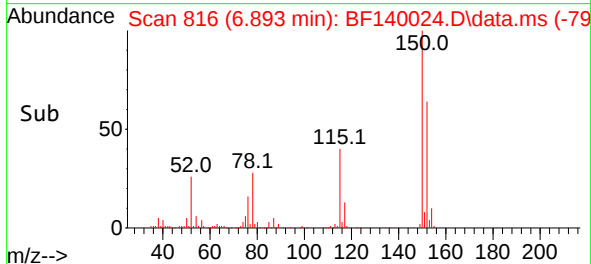
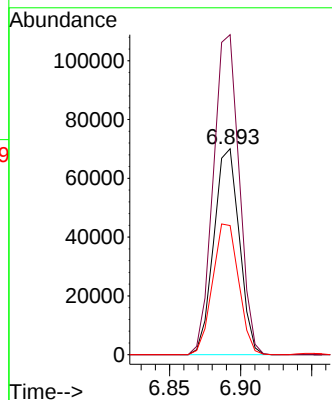
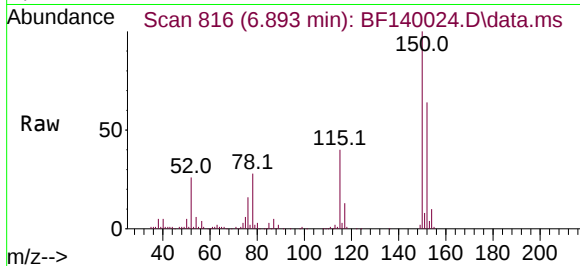
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

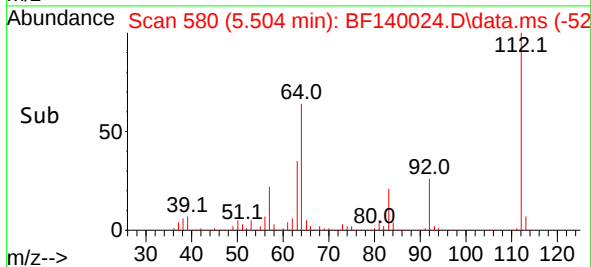
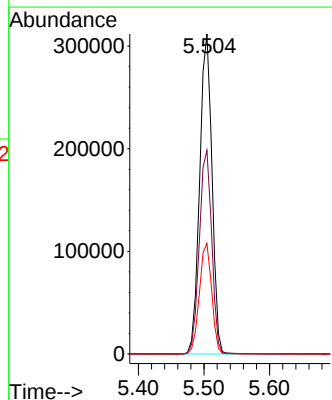
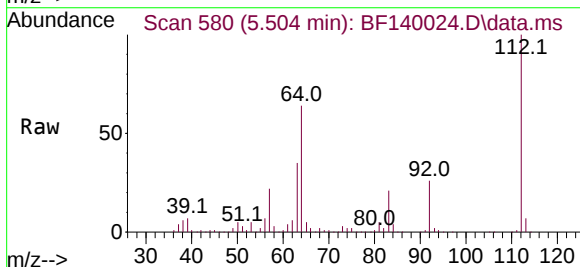
Instrument :
BNA_F
ClientSampleId :
BP-F-6

Tgt Ion:152 Resp: 87624
Ion Ratio Lower Upper
152 100
150 155.4 130.2 195.2
115 62.7 51.4 77.2



#5
2-Fluorophenol
Concen: 72.984 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion:112 Resp: 408508
Ion Ratio Lower Upper
112 100
64 63.6 53.0 79.6
63 34.6 27.0 40.4

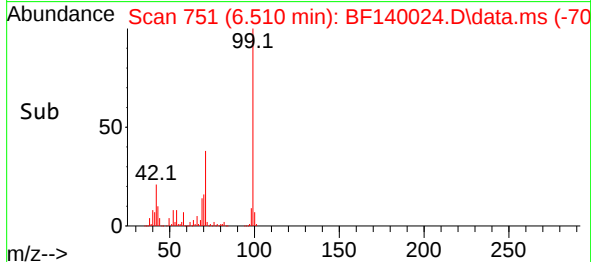
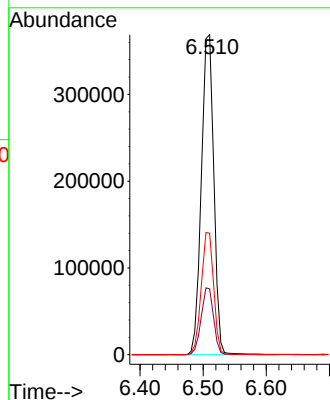
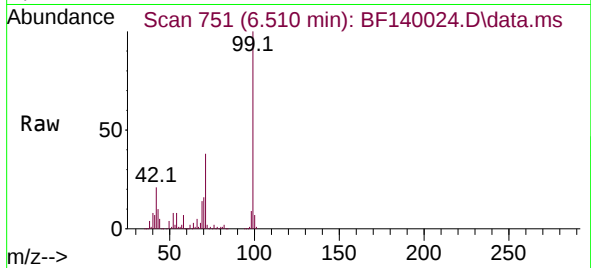




#7
Phenol-d6
Concen: 69.879 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

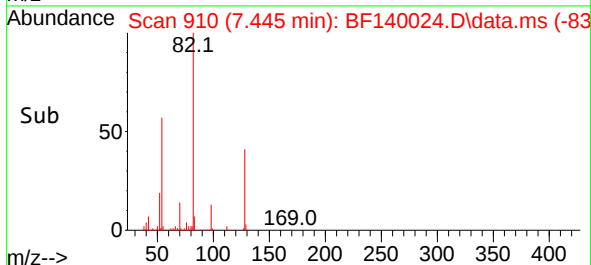
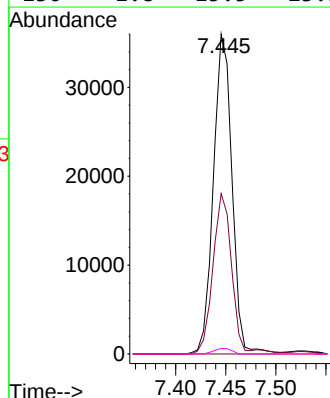
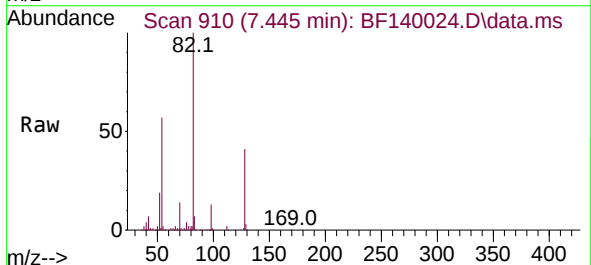
Instrument :
BNA_F
ClientSampleId :
BP-F-6

Tgt Ion: 99 Resp: 506573
Ion Ratio Lower Upper
99 100
42 20.6 16.7 25.1
71 38.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.551 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion: 70 Resp: 46389
Ion Ratio Lower Upper
70 100
42 50.1 51.5 77.3#
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#



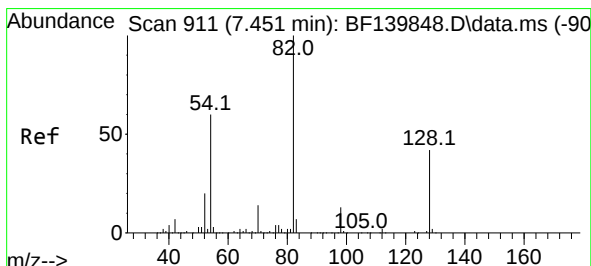
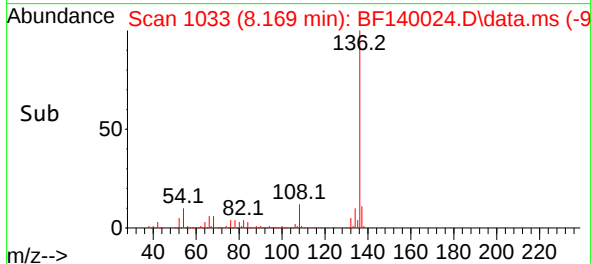
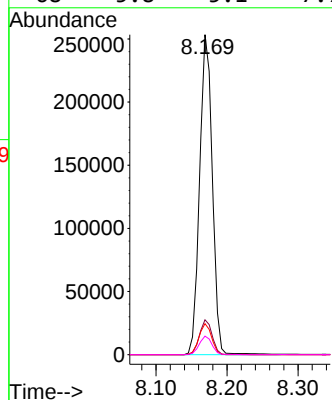
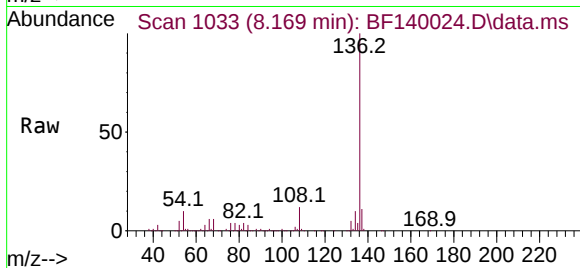


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Instrument :
BNA_F
ClientSampleId :
BP-F-6

Tgt Ion:136 Resp: 316891

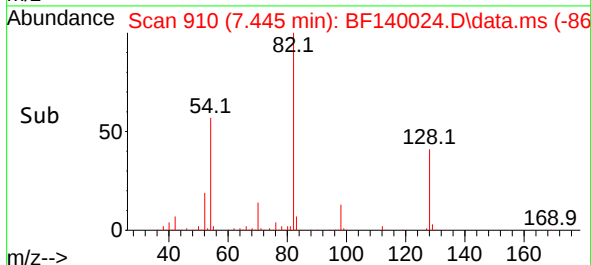
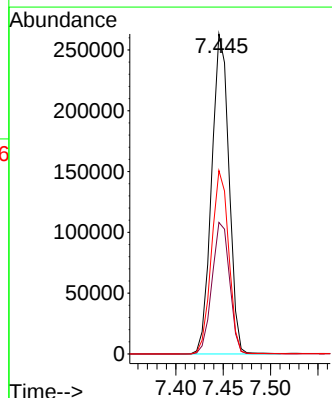
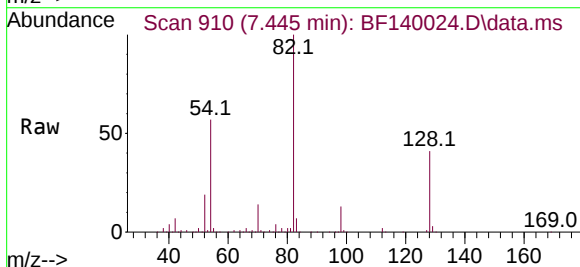
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.7	8.4	12.6
68	5.8	5.1	7.7



#23
Nitrobenzene-d5
Concen: 58.429 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion: 82 Resp: 334077

Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.4	50.0
54	57.3	47.8	71.8

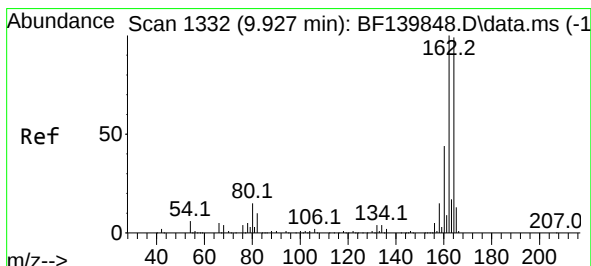
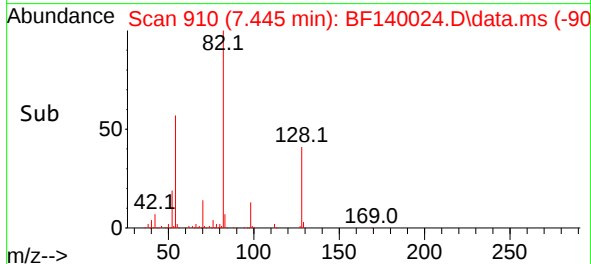
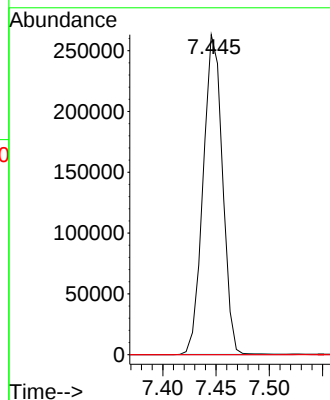
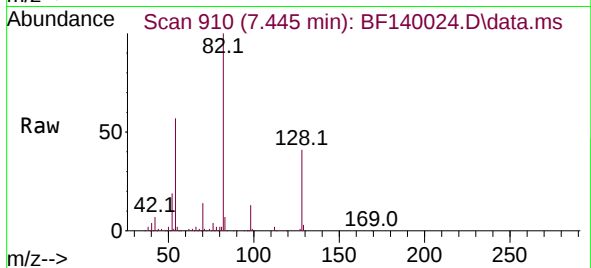




#25
Isophorone
Concen: 30.658 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

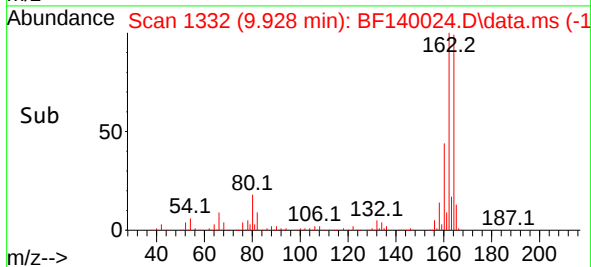
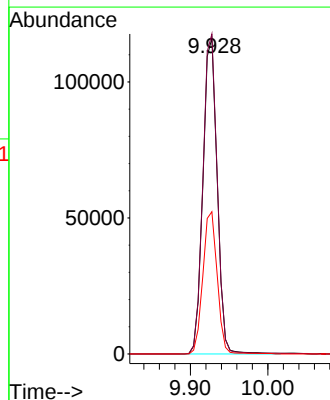
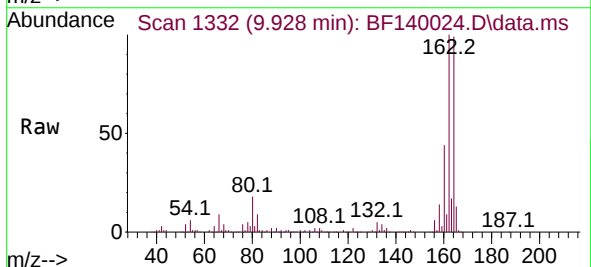
Instrument :
BNA_F
ClientSampleId :
BP-F-6

Tgt Ion: 82 Resp: 332707
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: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion:164 Resp: 148343
Ion Ratio Lower Upper
164 100
162 101.4 81.0 121.4
160 45.0 35.4 53.0

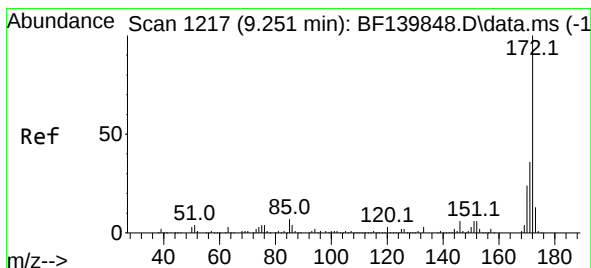
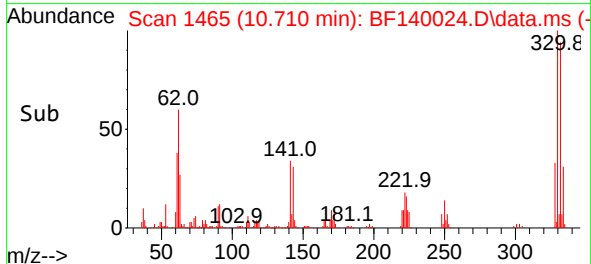
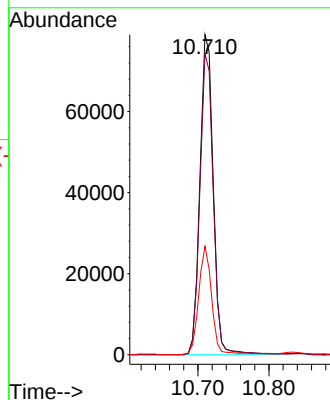
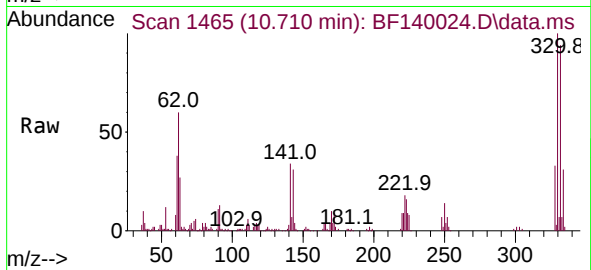




#42
2,4,6-Tribromophenol
Concen: 74.608 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

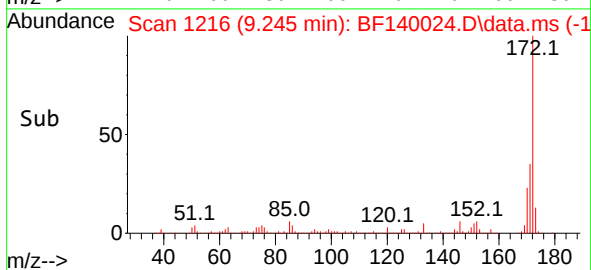
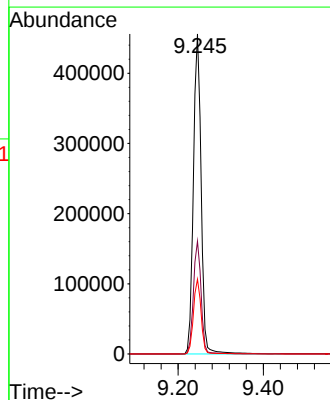
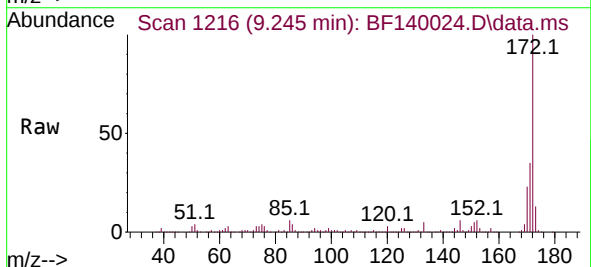
Instrument :
BNA_F
ClientSampleId :
BP-F-6

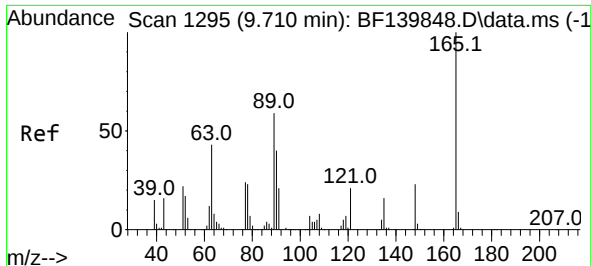
Tgt Ion:330 Resp: 103522
Ion Ratio Lower Upper
330 100
332 94.1 78.1 117.1
141 33.4 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 64.265 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion:172 Resp: 576831
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.4 19.1 28.7

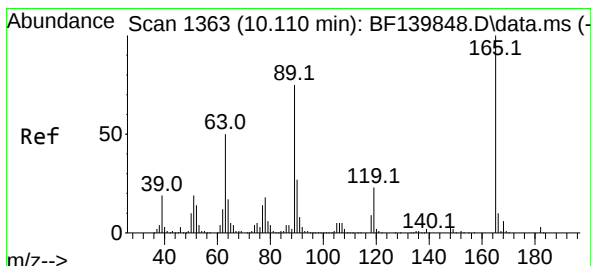
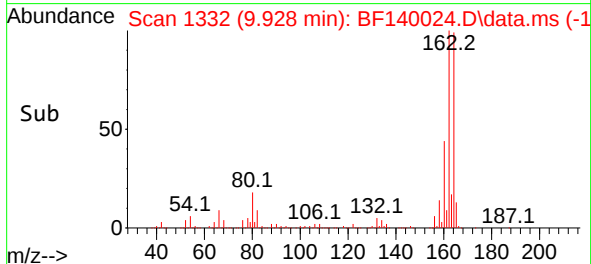
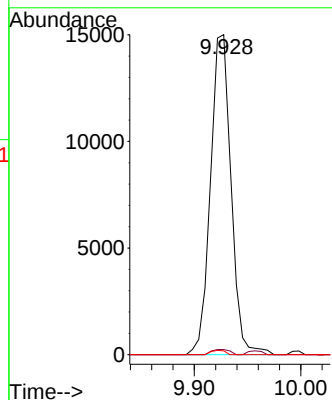
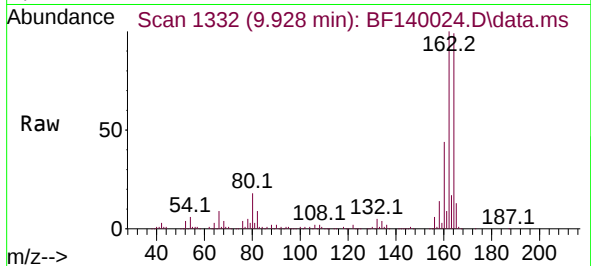




#51
2,6-Dinitrotoluene
Concen: 10.084 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

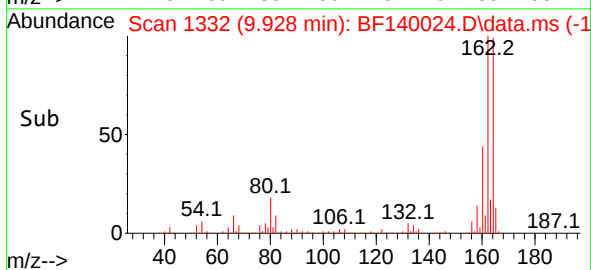
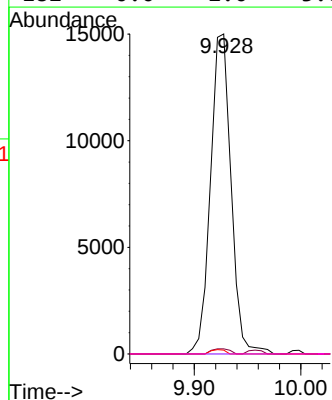
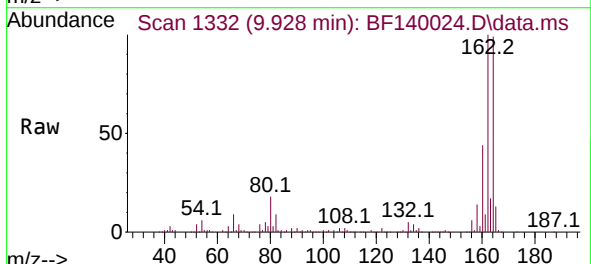
Instrument :
BNA_F
ClientSampleId :
BP-F-6

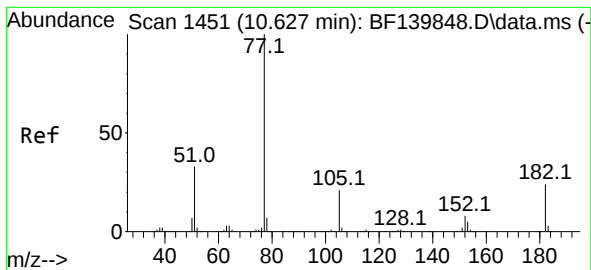
Tgt Ion:165 Resp: 20175
Ion Ratio Lower Upper
165 100
63 1.6 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 8.200 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.182 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion:165 Resp: 20175
Ion Ratio Lower Upper
165 100
63 1.6 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 6.097 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140024.D

Acq: 25 Oct 2024 02:14

Instrument :

BNA_F

ClientSampleId :

BP-F-6

Tgt Ion: 77 Resp: 58645

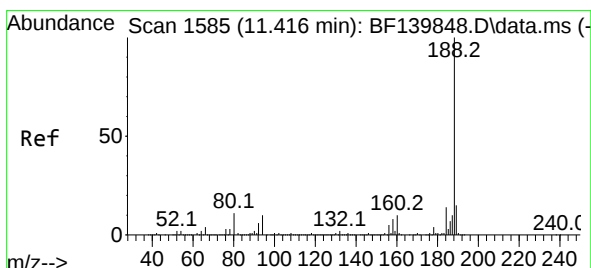
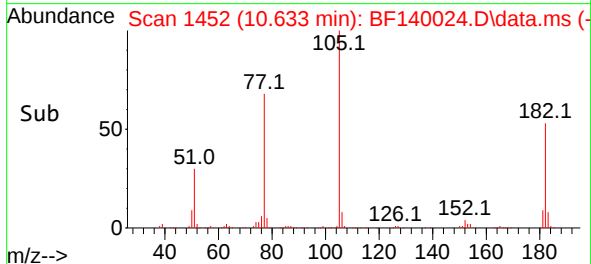
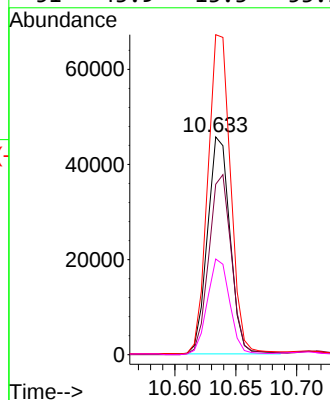
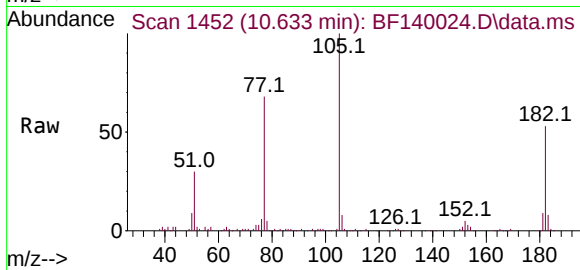
Ion Ratio Lower Upper

77 100

182 78.3 3.3 43.3#

105 147.0 1.2 41.2#

51 43.9 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: BF140024.D

Acq: 25 Oct 2024 02:14

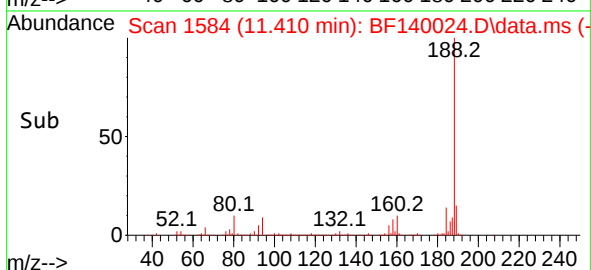
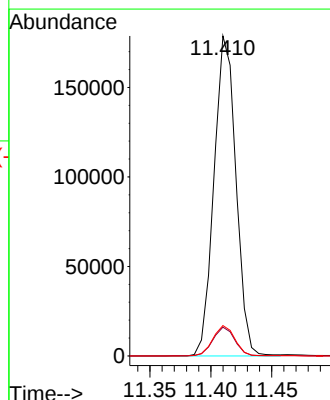
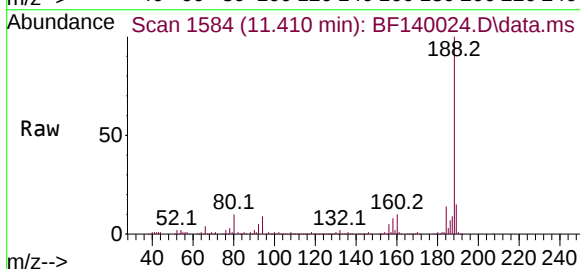
Tgt Ion: 188 Resp: 224585

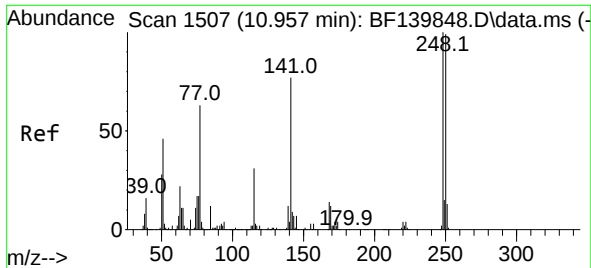
Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

80 9.5 9.0 13.4

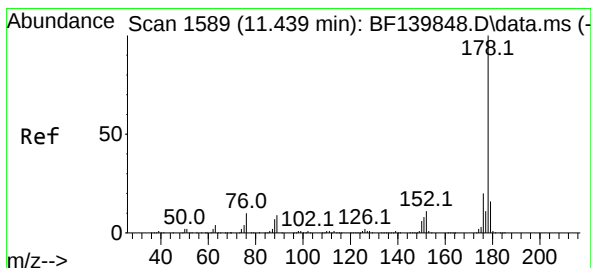
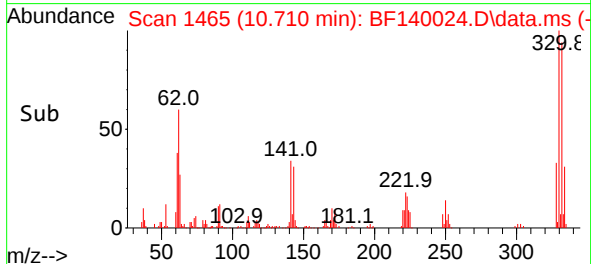
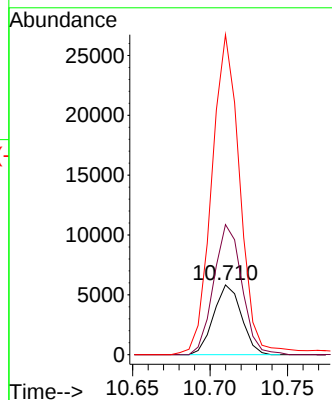
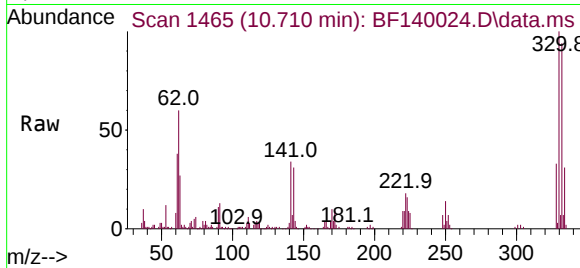




#67
4-Bromophenyl-phenylether
Concen: 3.144 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

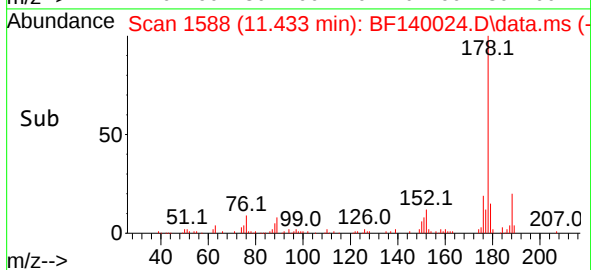
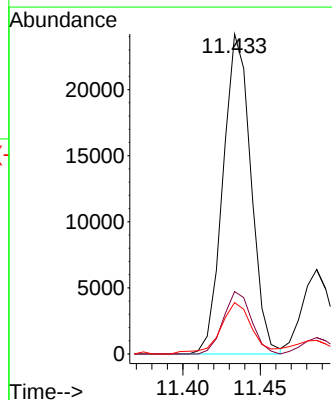
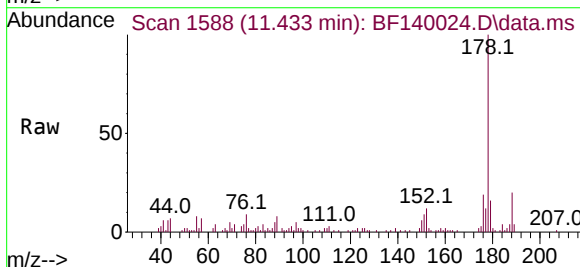
Instrument :
BNA_F
ClientSampleId :
BP-F-6

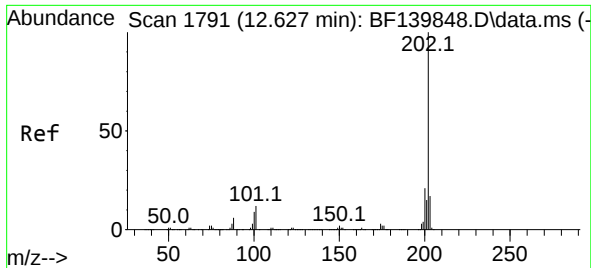
Tgt Ion:248 Resp: 7275
Ion Ratio Lower Upper
248 100
250 186.5 79.0 118.6#
141 458.5 61.7 92.5#



#71
Phenanthrene
Concen: 2.860 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion:178 Resp: 30340
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 16.1 12.6 18.8

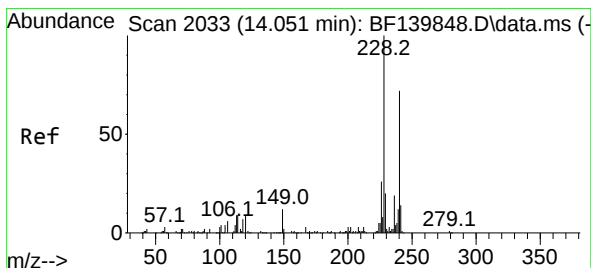
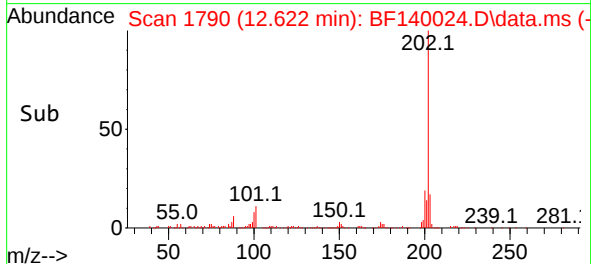
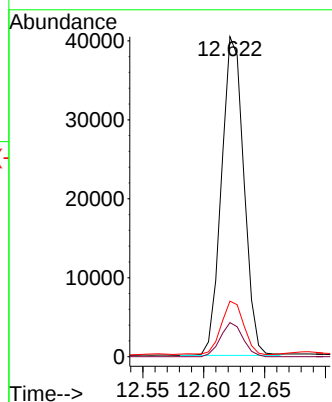
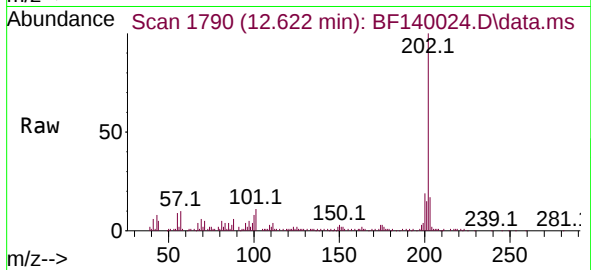




#75
Fluoranthene
Concen: 4.807 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

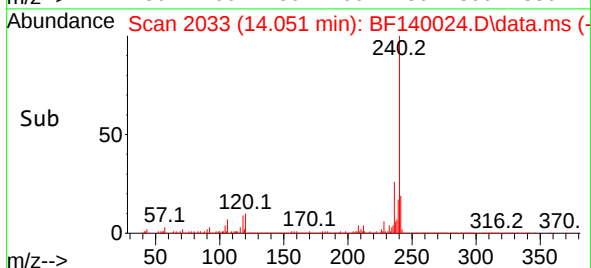
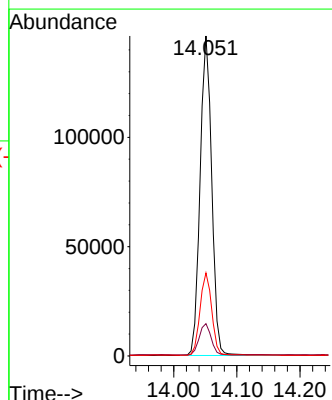
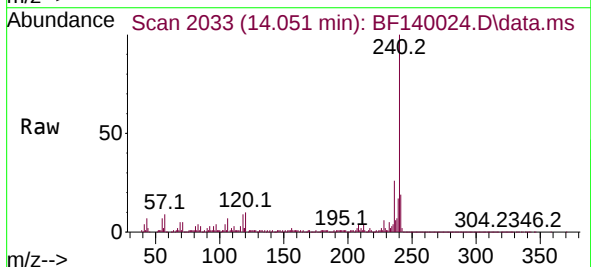
Instrument :
BNA_F
ClientSampleId :
BP-F-6

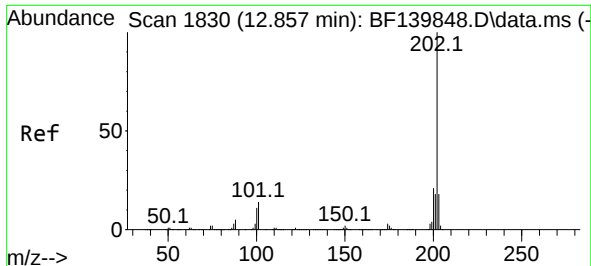
Tgt Ion:202 Resp: 51552
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.9
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion:240 Resp: 186133
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 26.0 20.9 31.3

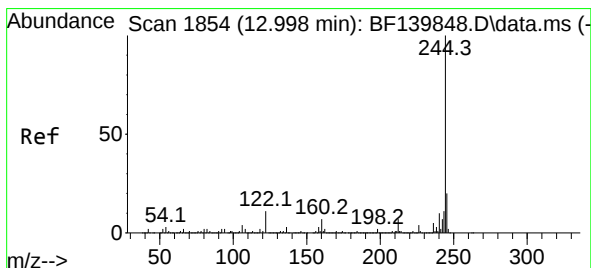
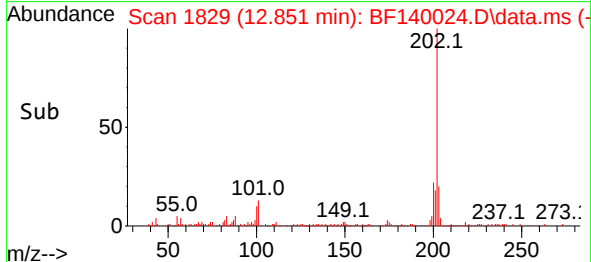
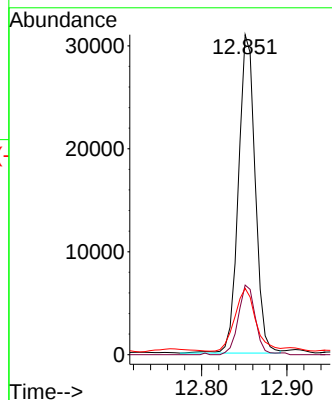
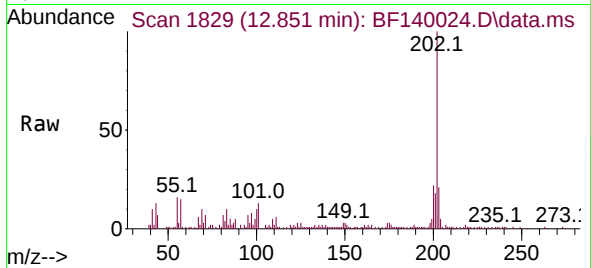




#78
Pyrene
Concen: 2.589 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

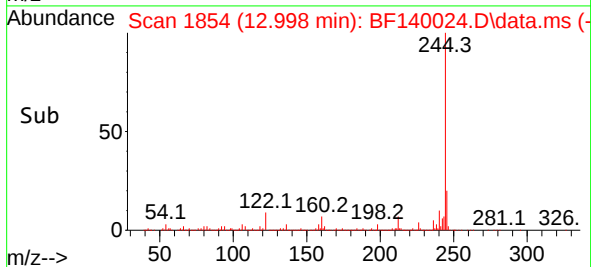
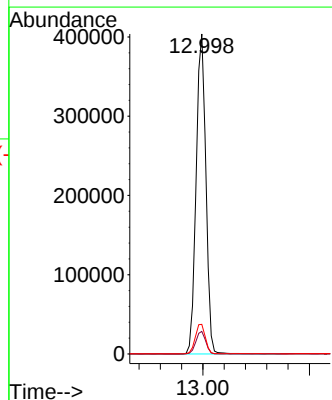
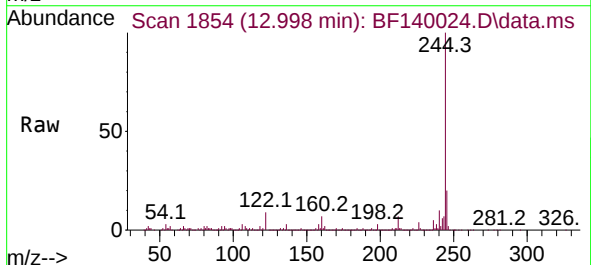
Instrument :
BNA_F
ClientSampleId :
BP-F-6

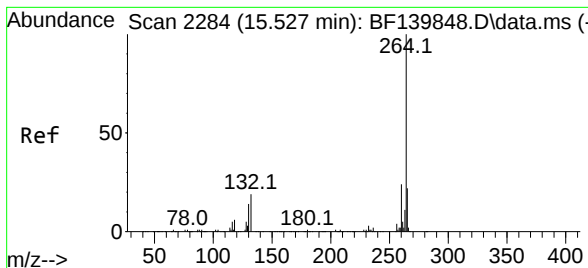
Tgt Ion:202 Resp: 42175
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 20.7 14.2 21.4



#79
Terphenyl-d14
Concen: 44.841 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF140024.D
Acq: 25 Oct 2024 02:14

Tgt Ion:244 Resp: 512211
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 9.3 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140024.D

Acq: 25 Oct 2024 02:14

Instrument :

BNA_F

ClientSampleId :

BP-F-6

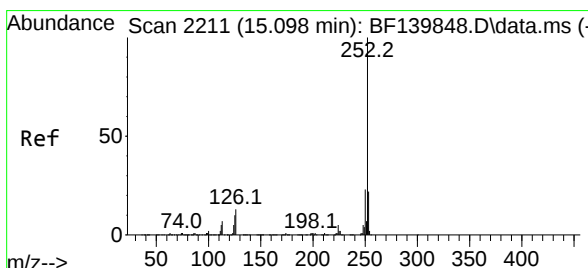
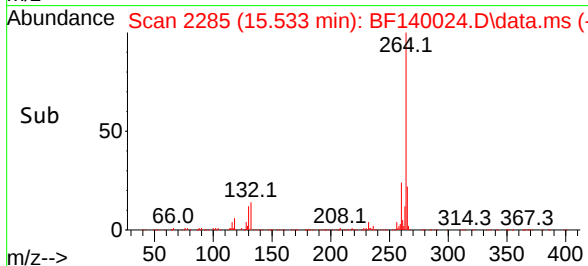
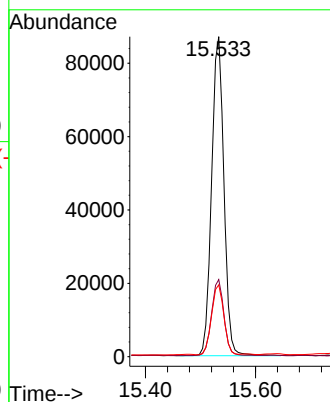
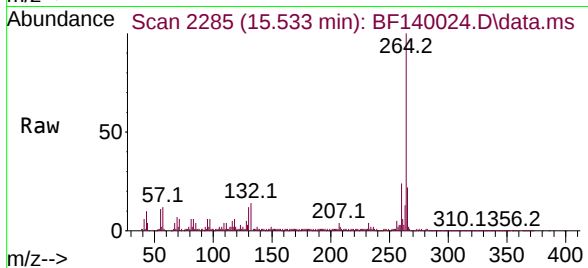
Tgt Ion:264 Resp: 135290

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 22.5 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.902 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140024.D

Acq: 25 Oct 2024 02:14

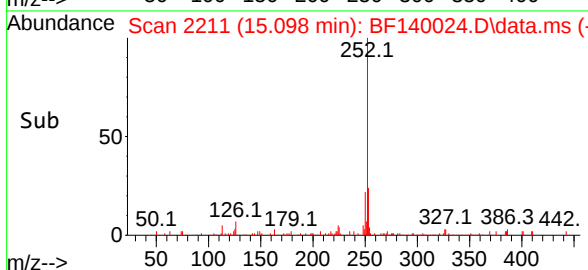
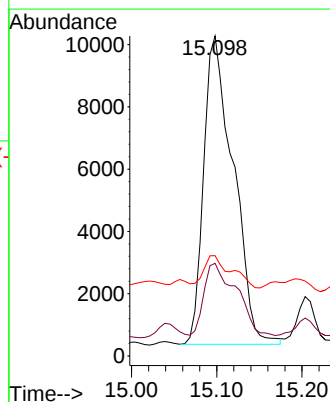
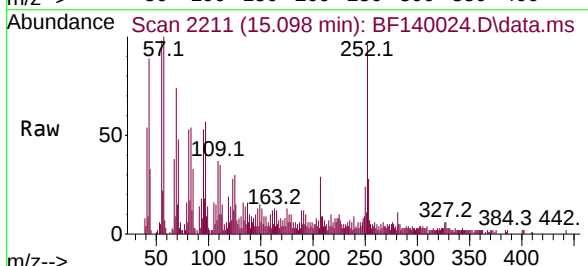
Tgt Ion:252 Resp: 23914

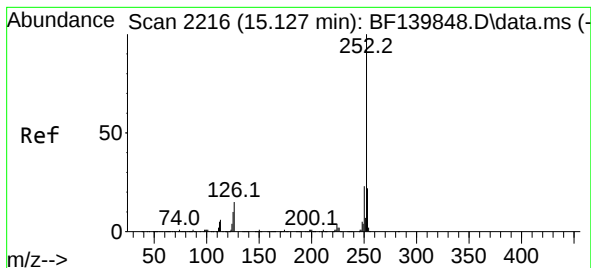
Ion Ratio Lower Upper

252 100

253 28.9 17.6 26.4#

125 31.3 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 3.365 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140024.D

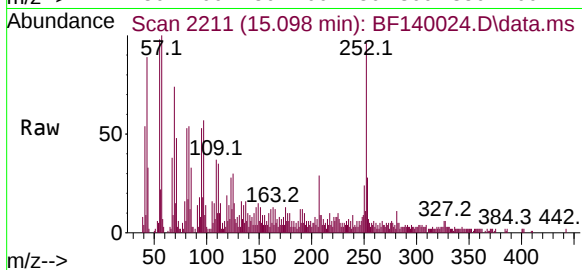
Acq: 25 Oct 2024 02:14

Instrument :

BNA_F

ClientSampleId :

BP-F-6



Tgt Ion:252 Resp: 23914

Ion Ratio Lower Upper

252 100

253 28.9 17.6 26.4#

125 31.3 7.9 11.9#

