

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140125.D
 Acq On : 29 Oct 2024 21:13
 Operator : RC/JU
 Sample : P4578-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-305-TOP-1

Quant Time: Oct 30 01:04:47 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	121877	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	473789	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	240944	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	345918	20.000	ng	0.00
76) Chrysene-d12	14.051	240	236214	20.000	ng	0.00
86) Perylene-d12	15.545	264	244867	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	612161	78.631	ng	0.01
7) Phenol-d6	6.510	99	780620	77.418	ng	0.00
23) Nitrobenzene-d5	7.445	82	501867	58.708	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	143293	63.581	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	864050	59.267	ng	0.00
79) Terphenyl-d14	12.998	244	614896	42.418	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	68660	11.227	ng	# 77
25) Isophorone	7.445	82	498154	30.703	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	31954	9.833	ng	# 22
63) Azobenzene	10.633	77	98610	6.312	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9479	2.660	ng	# 1
71) Phenanthrene	11.433	178	56966	3.486	ng	99
75) Fluoranthene	12.622	202	51573	3.122	ng	99
77) Benzidine	12.998	184	8371	2.155	ng	# 95
78) Pyrene	12.851	202	67980	3.288	ng	98
81) Benzo(a)anthracene	14.080	228	32076	2.086	ng	92
83) Chrysene	14.080	228	32076	2.275	ng	96
88) Benzo(b)fluoranthene	15.110	252	37432	2.509	ng	# 92
89) Benzo(k)fluoranthene	15.110	252	37432	2.910	ng	# 92
90) Benzo(a)pyrene	15.480	252	28489	2.321	ng	95

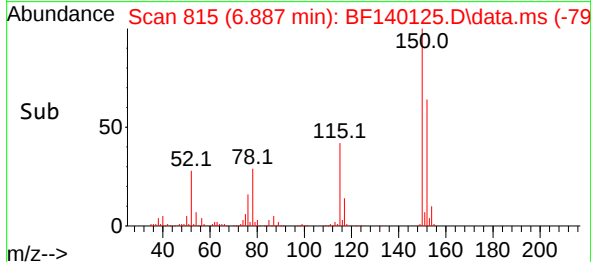
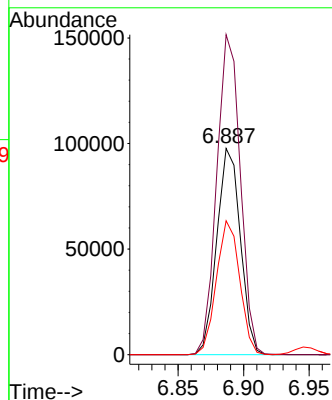
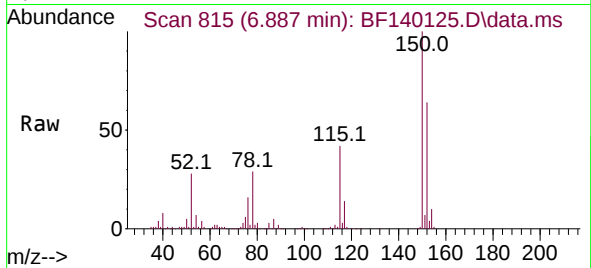
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

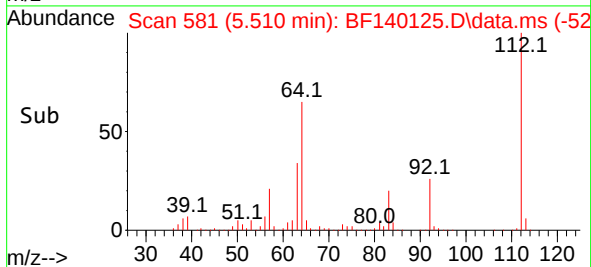
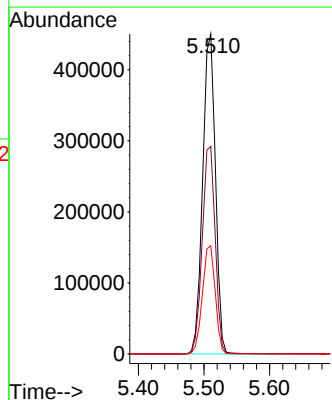
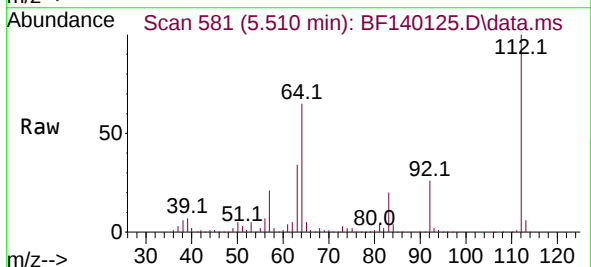
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP-1

Tgt Ion:152 Resp: 121877
Ion Ratio Lower Upper
152 100
150 155.1 130.2 195.2
115 64.9 51.4 77.2



#5
2-Fluorophenol
Concen: 78.631 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

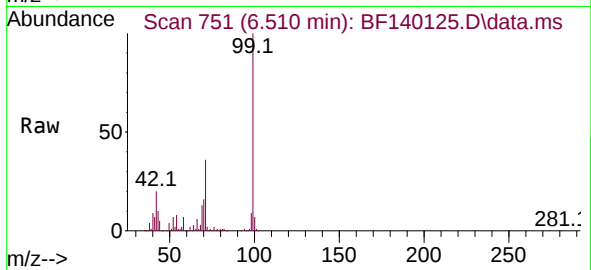
Tgt Ion:112 Resp: 612161
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 33.8 27.0 40.4



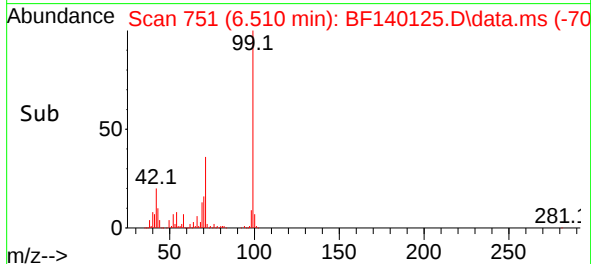
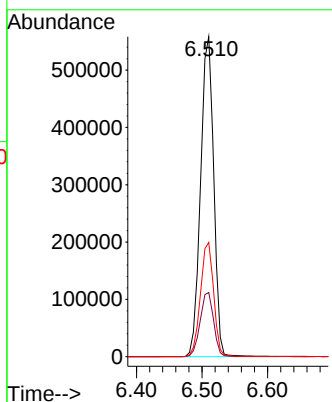


#7
Phenol-d6
Concen: 77.418 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Instrument :
BNA_F
ClientSampleId :
WB-305-TOP-1

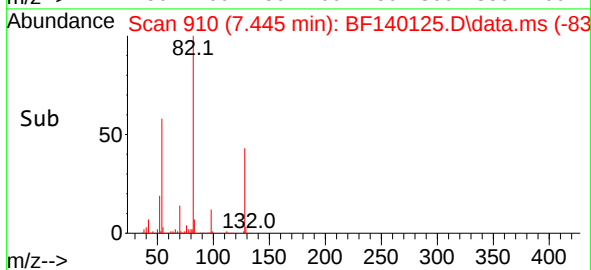
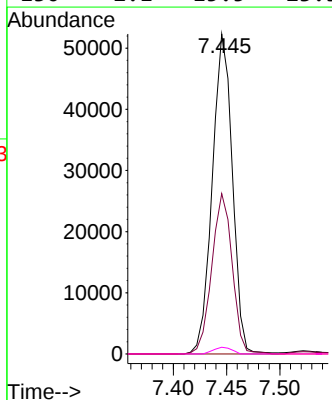
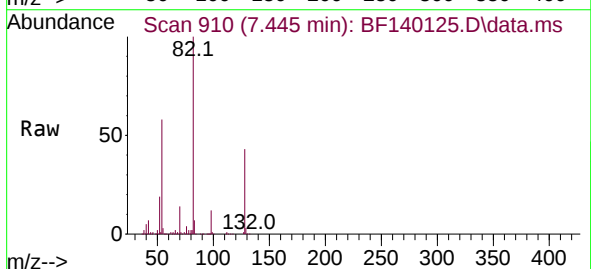


Tgt Ion: 99 Resp: 780620
Ion Ratio Lower Upper
99 100
42 20.1 16.7 25.1
71 35.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.227 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Tgt Ion: 70 Resp: 68660
Ion Ratio Lower Upper
70 100
42 50.1 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



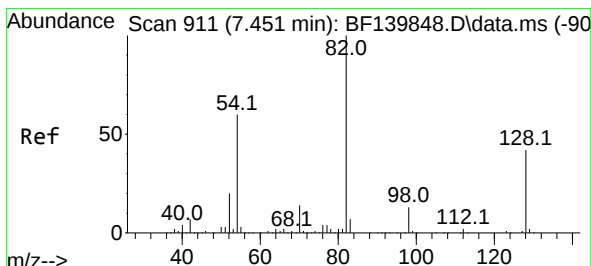
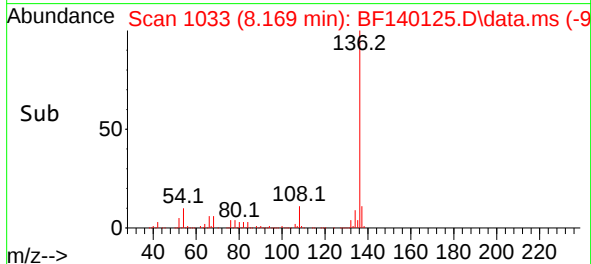
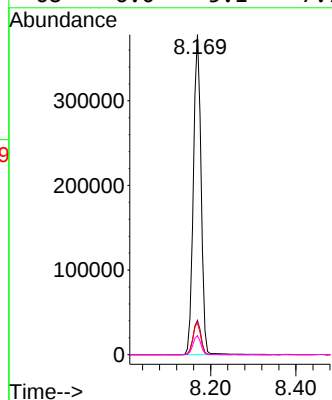
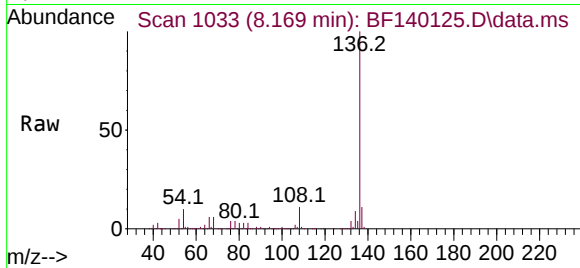


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Instrument :
BNA_F
ClientSampleId :
WB-305-TOP-1

Tgt Ion:136 Resp: 473789

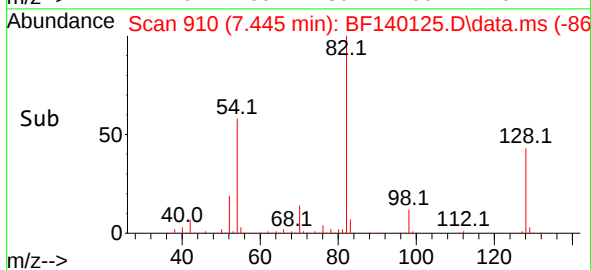
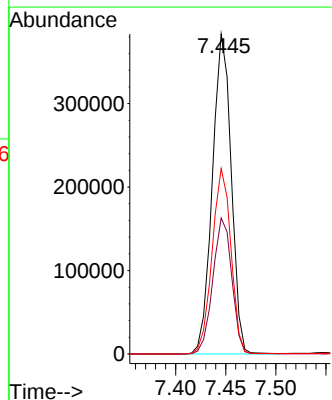
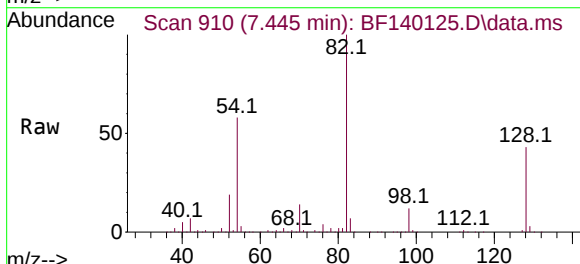
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.9	8.4	12.6
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 58.708 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Tgt Ion: 82 Resp: 501867

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.0
54	57.9	47.8	71.8

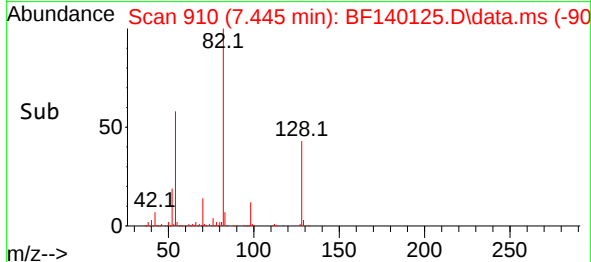
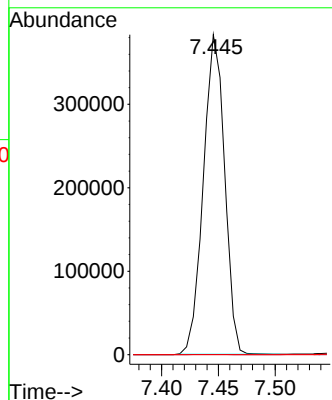
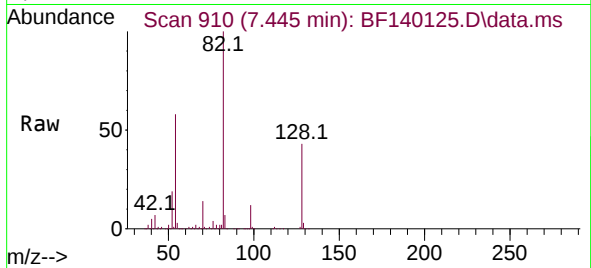




#25
Isophorone
Concen: 30.703 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

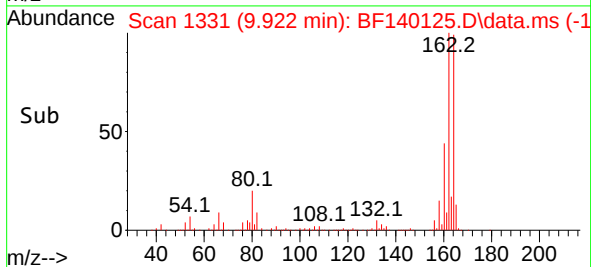
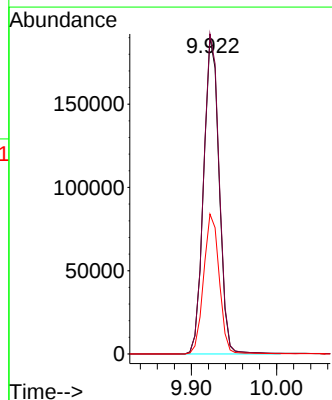
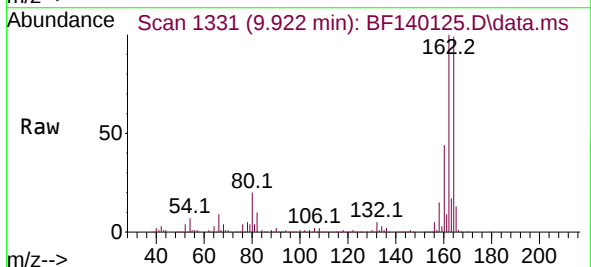
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP-1

Tgt Ion: 82 Resp: 498154
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: BF140125.D
Acq: 29 Oct 2024 21:13

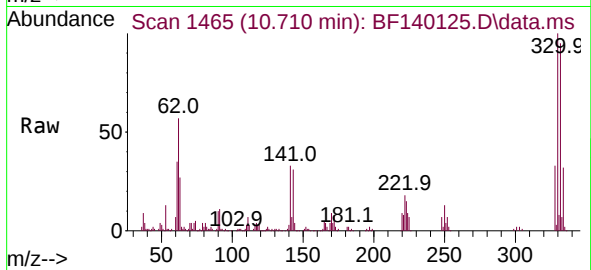
Tgt Ion: 164 Resp: 240944
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 44.2 35.4 53.0



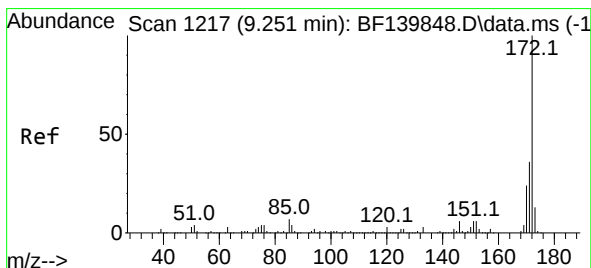
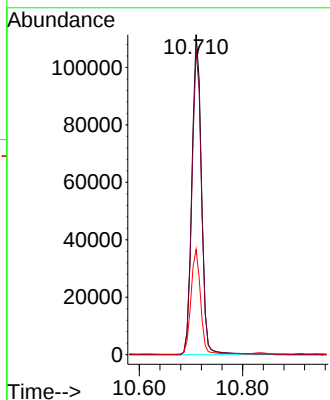
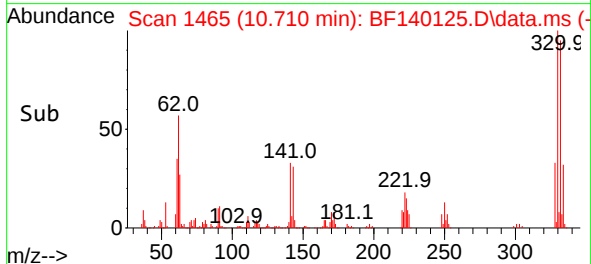


#42
2,4,6-Tribromophenol
Concen: 63.581 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Instrument :
BNA_F
ClientSampleId :
WB-305-TOP-1

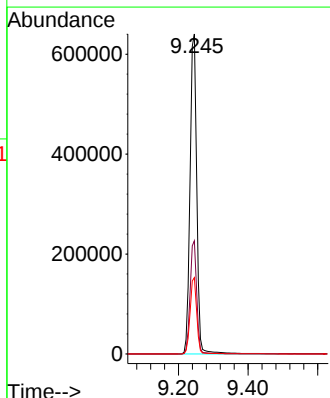
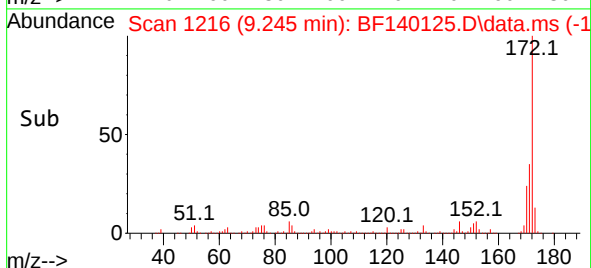
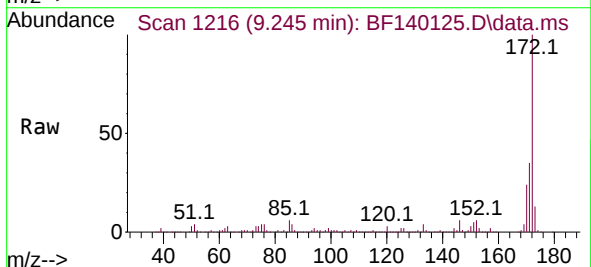


Tgt Ion:330 Resp: 143293
Ion Ratio Lower Upper
330 100
332 95.6 78.1 117.1
141 32.6 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 59.267 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Tgt Ion:172 Resp: 864050
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.8 19.1 28.7

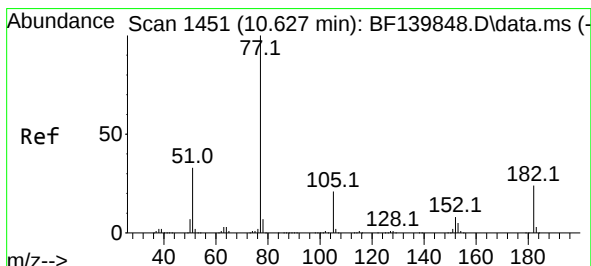
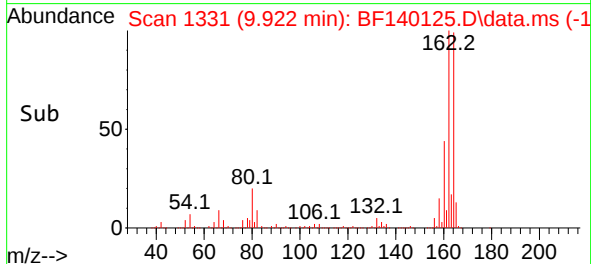
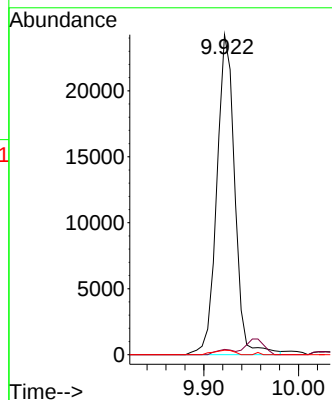
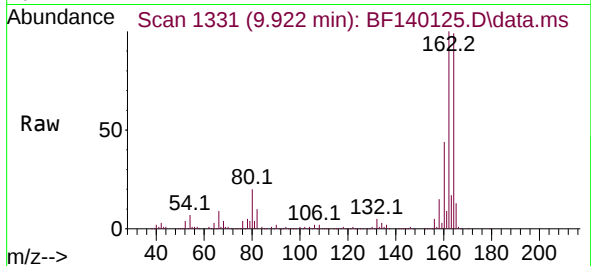




#51
2,6-Dinitrotoluene
Concen: 9.833 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

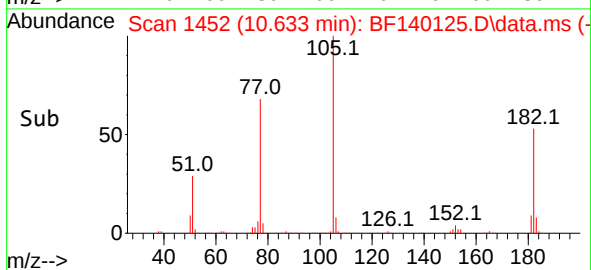
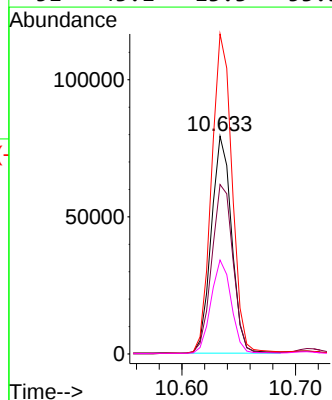
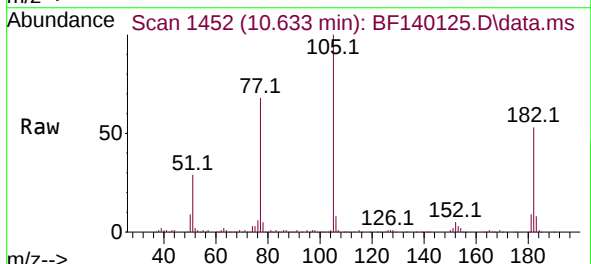
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP-1

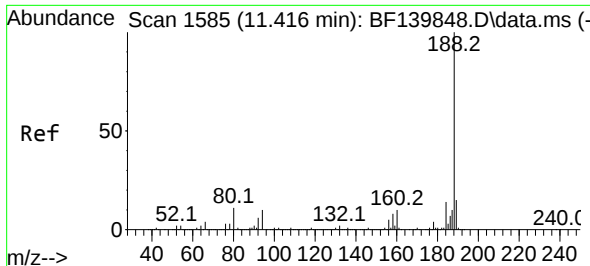
Tgt Ion:165 Resp: 31954
Ion Ratio Lower Upper
165 100
63 1.6 50.6 75.8#
89 1.4 47.5 71.3#



#63
Azobenzene
Concen: 6.312 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Tgt Ion: 77 Resp: 98610
Ion Ratio Lower Upper
77 100
182 77.8 3.3 43.3#
105 147.0 1.2 41.2#
51 43.1 13.3 53.3

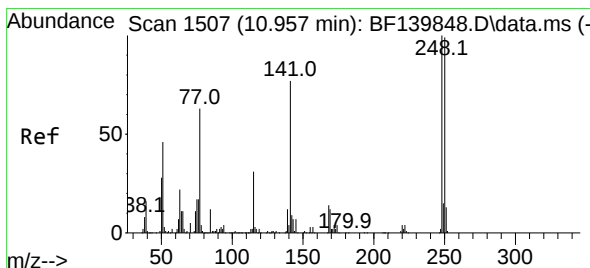
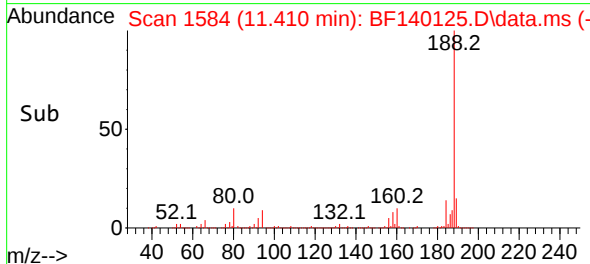
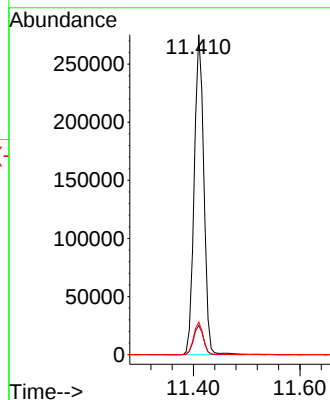
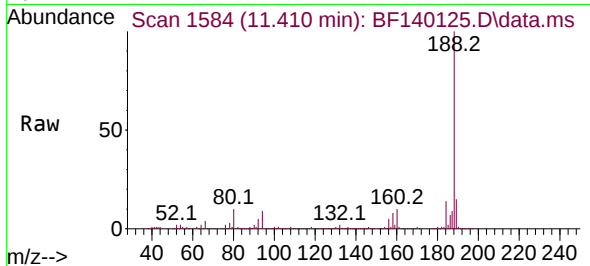




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

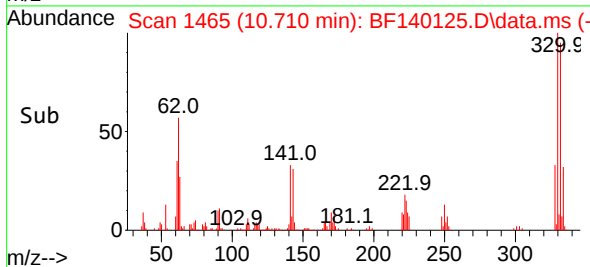
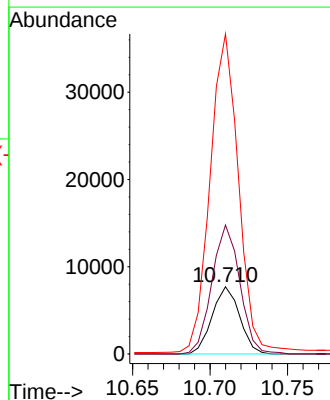
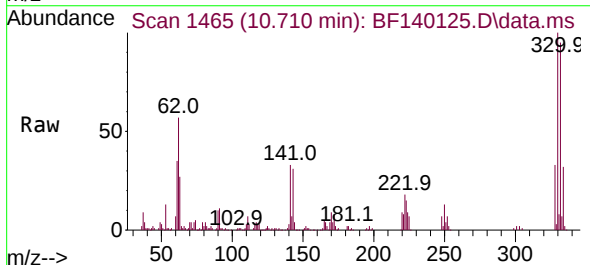
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BNA_F
ClientSampleId :
WB-305-TOP-1

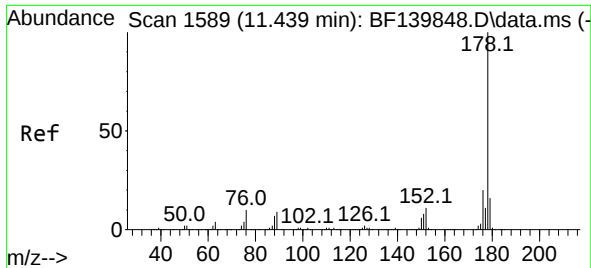
Tgt Ion:188 Resp: 345918
Ion Ratio Lower Upper
188 100
94 9.2 7.9 11.9
80 10.2 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 2.660 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Tgt Ion:248 Resp: 9479
Ion Ratio Lower Upper
248 100
250 192.0 79.0 118.6#
141 476.6 61.7 92.5#

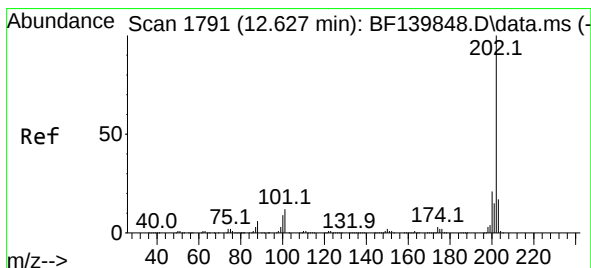
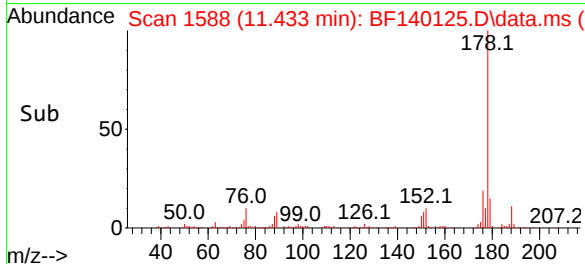
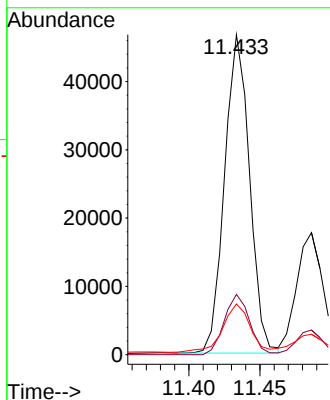
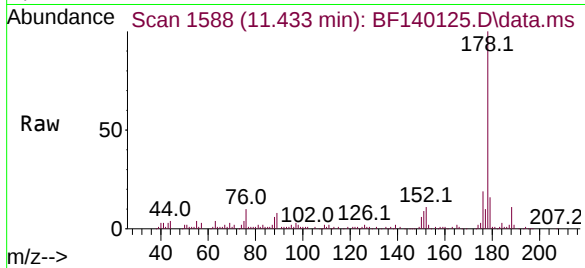




#71
Phenanthrene
Concen: 3.486 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

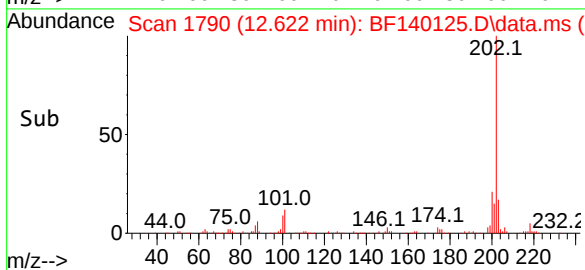
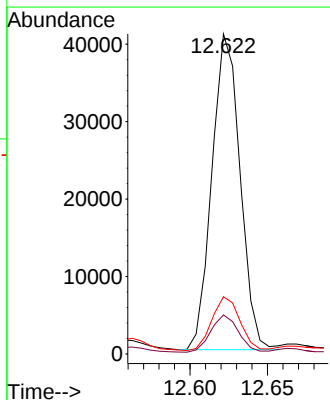
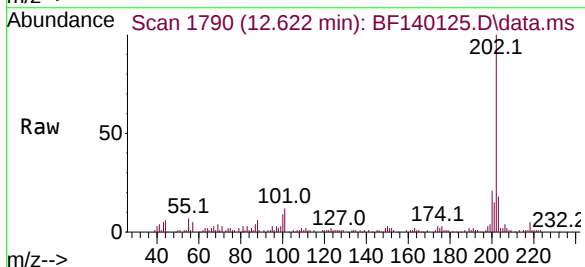
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP-1

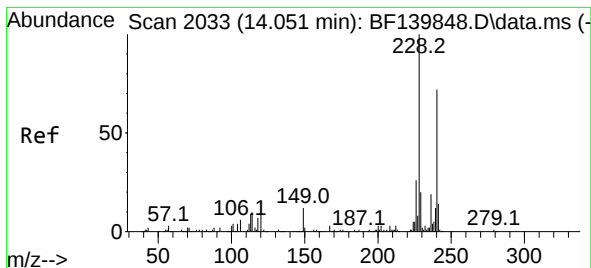
Tgt Ion:178 Resp: 56966
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.9 12.6 18.8



#75
Fluoranthene
Concen: 3.122 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Tgt Ion:202 Resp: 51573
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.9
203 17.9 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: BF140125.D

Acq: 29 Oct 2024 21:13

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP-1

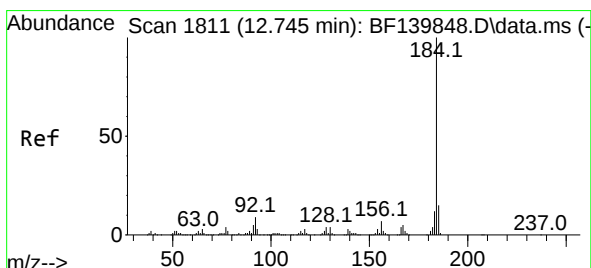
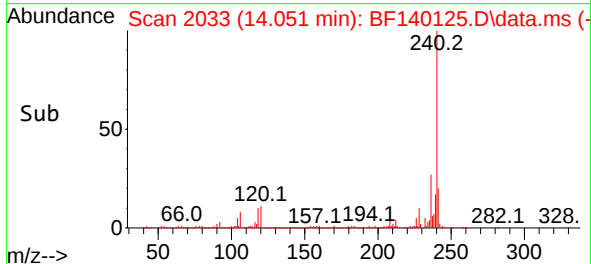
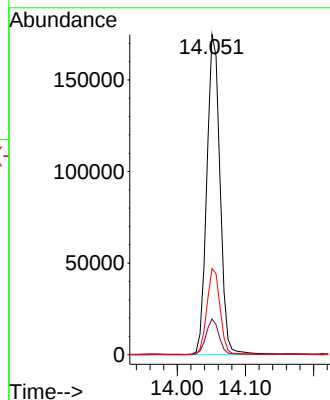
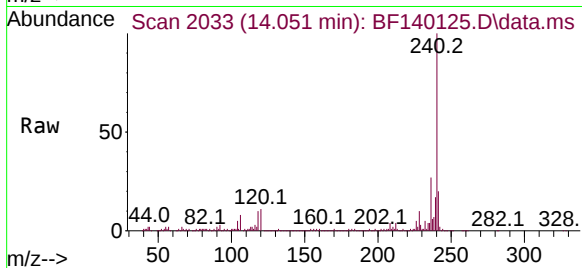
Tgt Ion:240 Resp: 236214

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 26.9 20.9 31.3



#77

Benzidine

Concen: 2.155 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140125.D

Acq: 29 Oct 2024 21:13

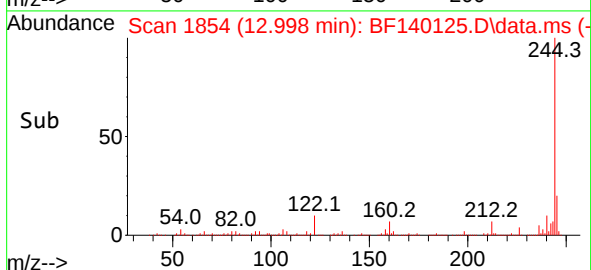
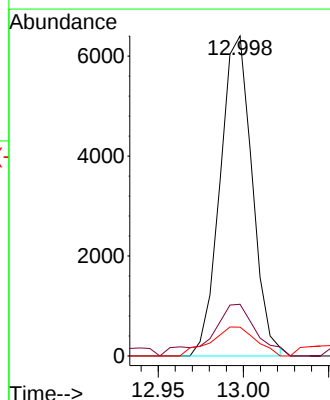
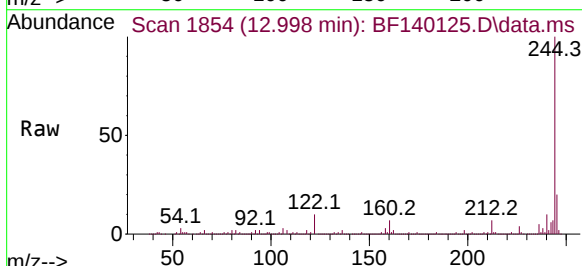
Tgt Ion:184 Resp: 8371

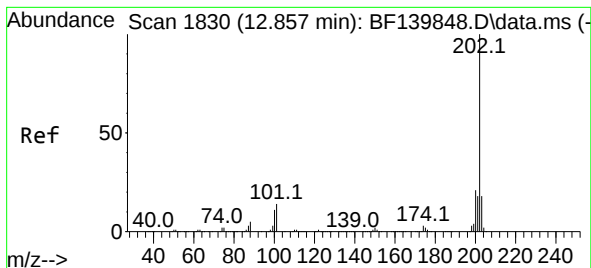
Ion Ratio Lower Upper

184 100

185 16.1 12.0 18.0

183 9.0 9.4 14.2#





#78

Pyrene

Concen: 3.288 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140125.D

Acq: 29 Oct 2024 21:13

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP-1

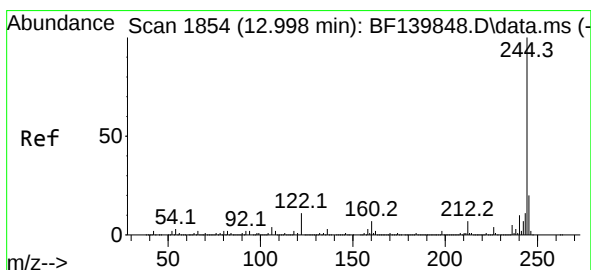
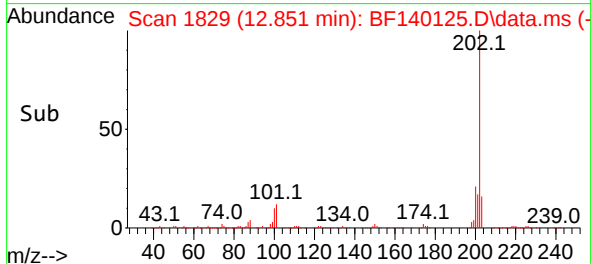
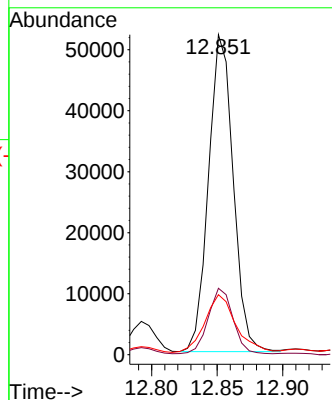
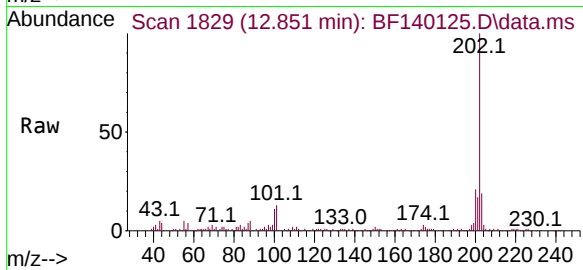
Tgt Ion:202 Resp: 67980

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

203 18.8 14.2 21.4



#79

Terphenyl-d14

Concen: 42.418 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140125.D

Acq: 29 Oct 2024 21:13

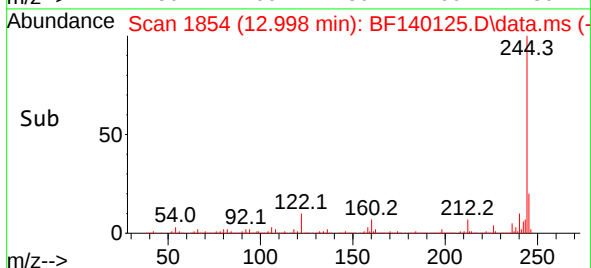
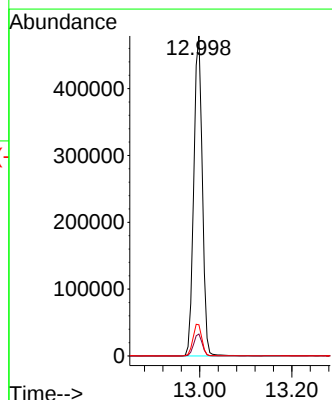
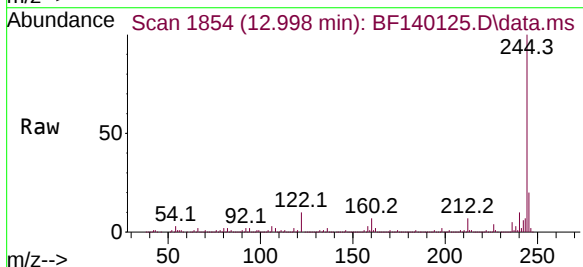
Tgt Ion:244 Resp: 614896

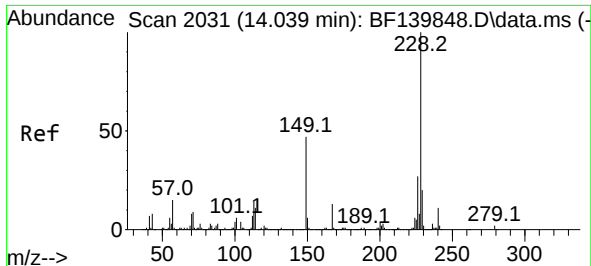
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 9.8 8.6 13.0

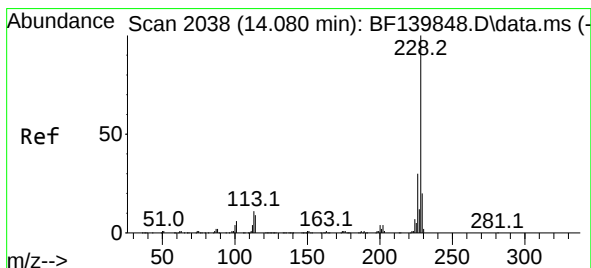
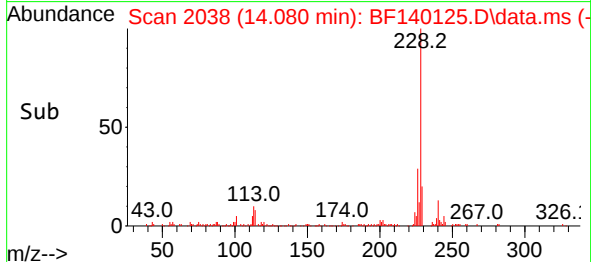
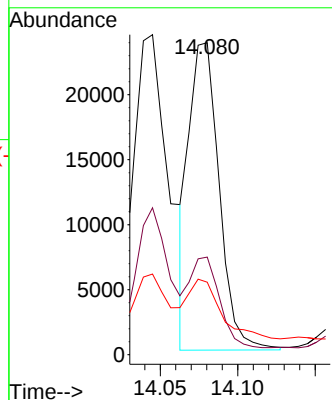
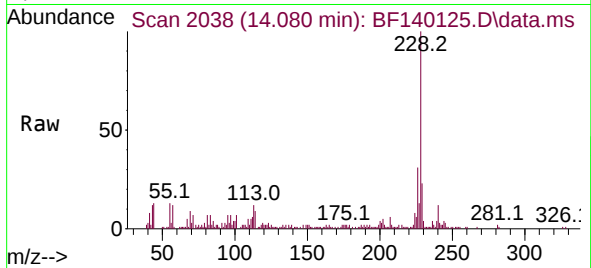




#81
Benzo(a)anthracene
Concen: 2.086 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.041 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

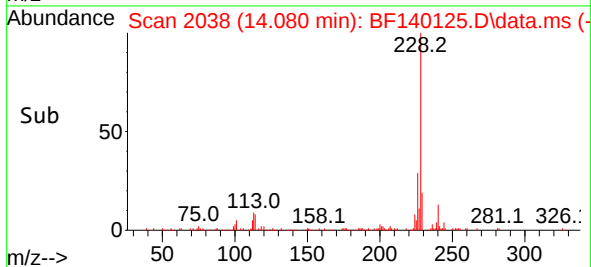
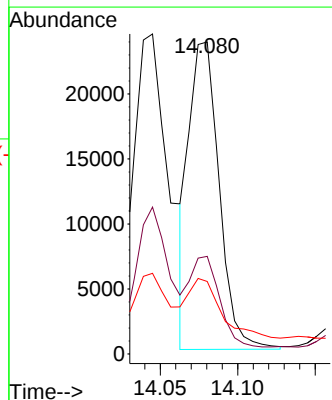
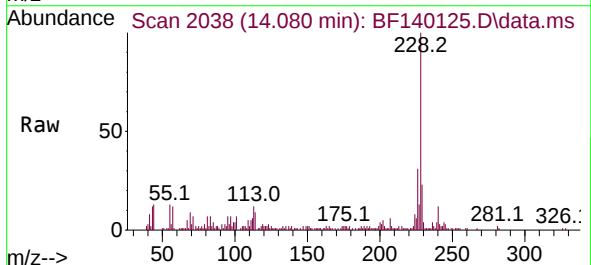
Instrument :
BNA_F
ClientSampleId :
WB-305-TOP-1

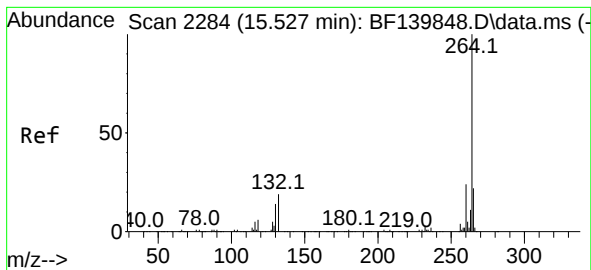
Tgt Ion:228 Resp: 32076
Ion Ratio Lower Upper
228 100
226 31.3 21.6 32.4
229 23.3 16.1 24.1



#83
Chrysene
Concen: 2.275 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF140125.D
Acq: 29 Oct 2024 21:13

Tgt Ion:228 Resp: 32076
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 23.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140125.D

Acq: 29 Oct 2024 21:13

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP-1

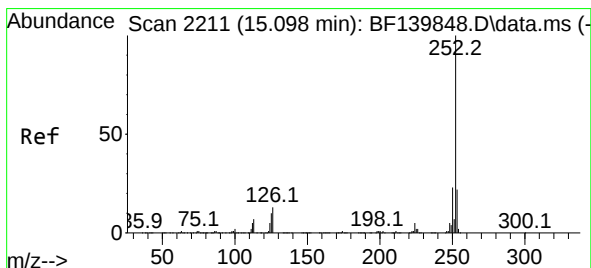
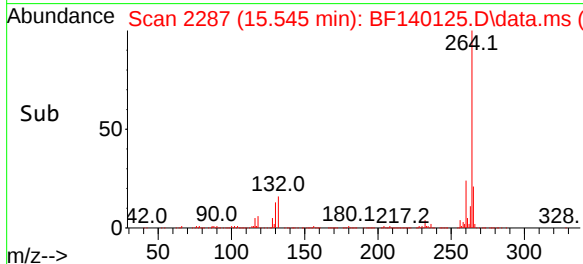
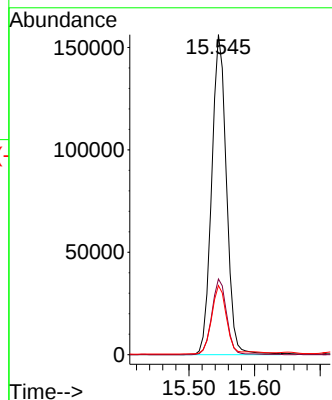
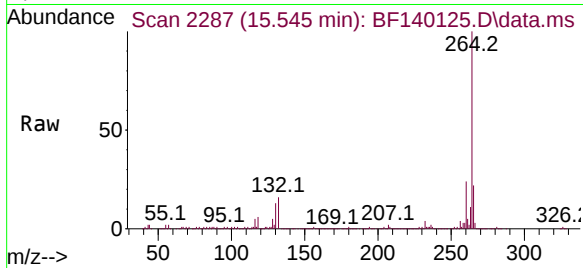
Tgt Ion:264 Resp: 244867

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.6 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.509 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.012 min

Lab File: BF140125.D

Acq: 29 Oct 2024 21:13

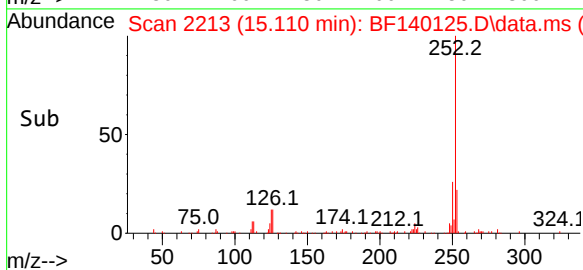
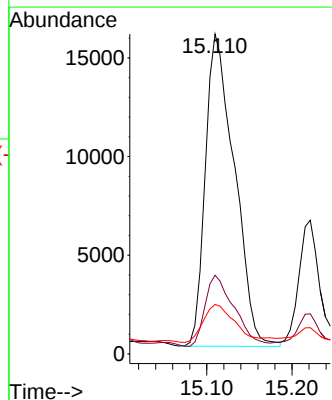
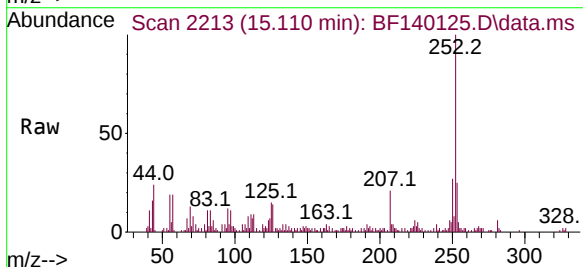
Tgt Ion:252 Resp: 37432

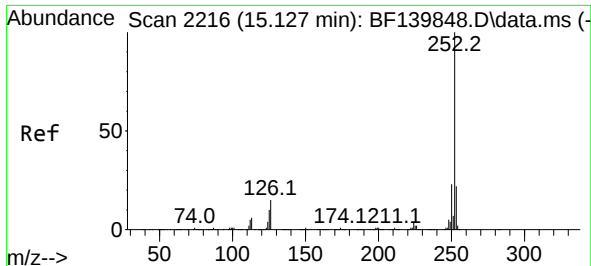
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 15.4 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 2.910 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF140125.D

Acq: 29 Oct 2024 21:13

Instrument :

BNA_F

ClientSampleId :

WB-305-TOP-1

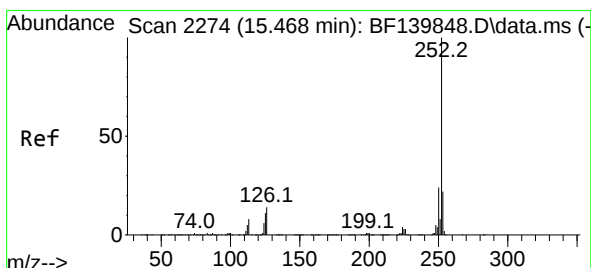
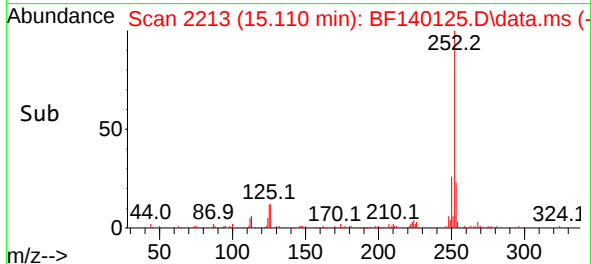
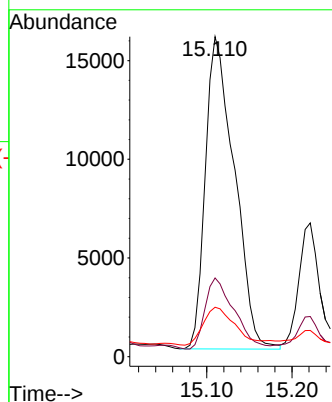
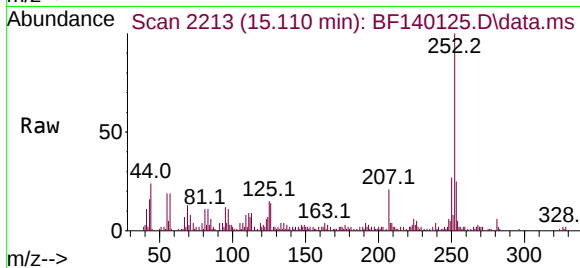
Tgt Ion:252 Resp: 37432

Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 15.4 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 2.321 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.012 min

Lab File: BF140125.D

Acq: 29 Oct 2024 21:13

Tgt Ion:252 Resp: 28489

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 12.4 8.7 13.1

