

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139125.D
 Acq On : 22 Aug 2024 16:21
 Operator : RC/JU
 Sample : P3641-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-907-K1-0-0.5-081524

Quant Time: Aug 22 16:51:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

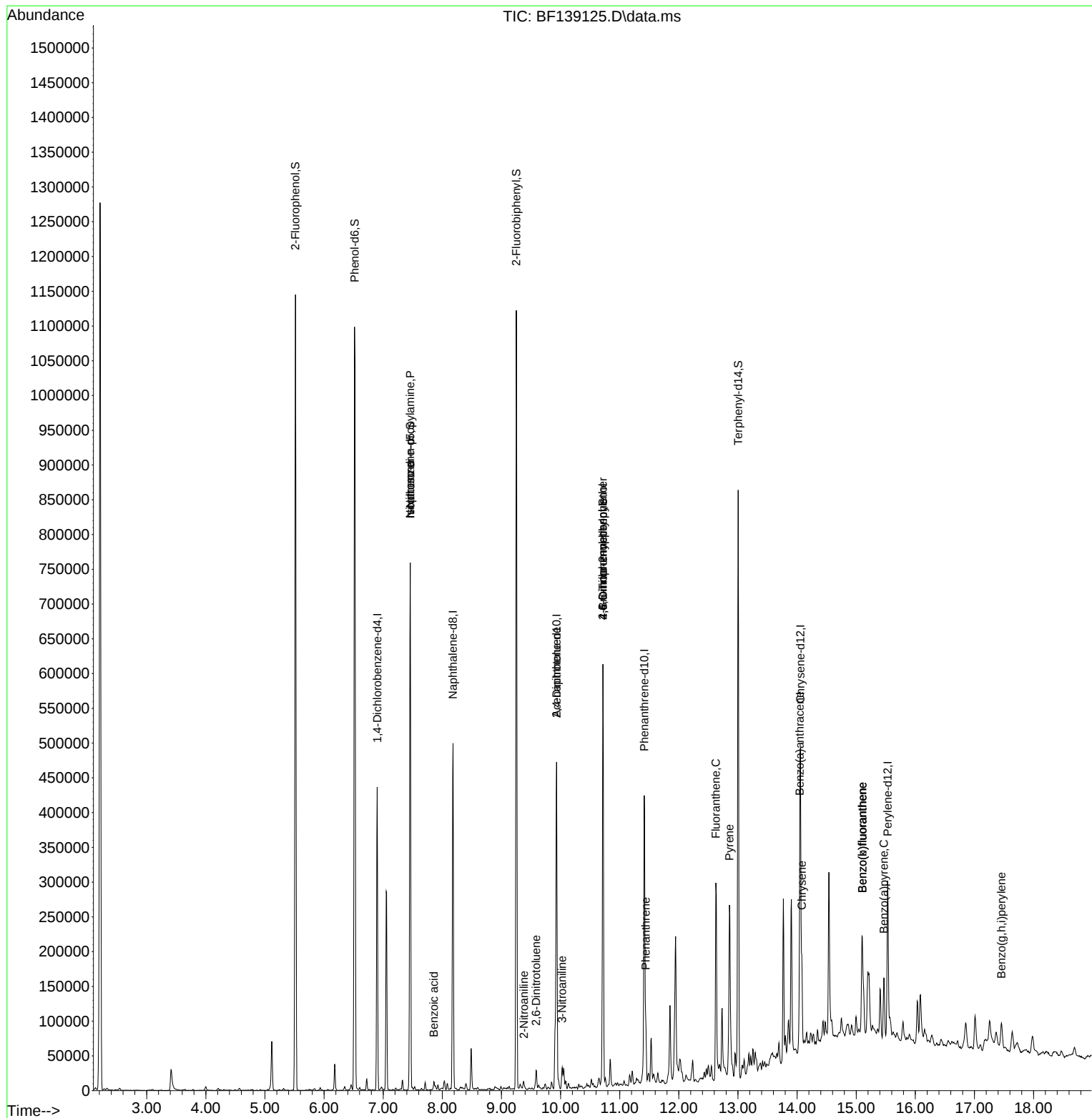
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	81947	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	283880	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	133415	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	204551	20.000	ng	0.00
76) Chrysene-d12	14.057	240	164631	20.000	ng	0.00
86) Perylene-d12	15.533	264	129640	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	375146	70.432	ng	0.00
7) Phenol-d6	6.516	99	481004	69.890	ng	0.00
23) Nitrobenzene-d5	7.457	82	321931	66.080	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	87743	72.648	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	451635	53.710	ng	0.00
79) Terphenyl-d14	13.004	244	379299	38.229	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	44699	9.890	ng	# 79
25) Isophorone	7.457	82	321655	31.063	ng	# 69
32) Benzoic acid	7.857	122	3130	9.293	ng	95
48) 2-Nitroaniline	9.380	65	280	5.773	ng	# 11
51) 2,6-Dinitrotoluene	9.586	165	770	4.939	ng	# 15
53) 3-Nitroaniline	10.028	138	125	4.243	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	17165	12.875	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	127	6.661	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	6201	2.861	ng	# 1
71) Phenanthrene	11.439	178	45146	4.342	ng	99
75) Fluoranthene	12.627	202	151203	13.626	ng	100
78) Pyrene	12.857	202	128323	9.340	ng	98
81) Benzo(a)anthracene	14.045	228	61311	5.665	ng	97
83) Chrysene	14.080	228	67809	6.913	ng	97
88) Benzo(b)fluoranthene	15.104	252	114628	13.563	ng	99
89) Benzo(k)fluoranthene	15.104	252	114628	16.284	ng	99
90) Benzo(a)pyrene	15.468	252	46584	6.975	ng	97
92) Benzo(g,h,i)perylene	17.456	276	33358	7.209	ng	97

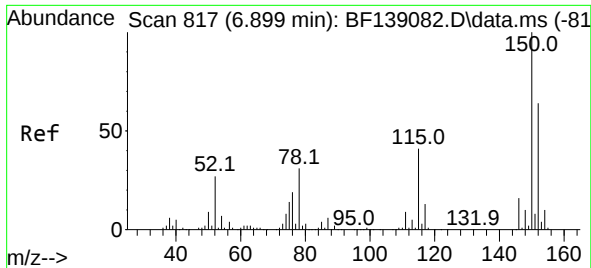
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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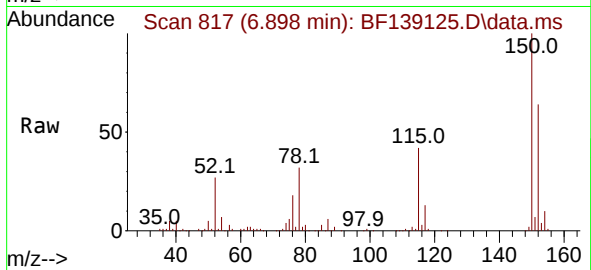
Quant Time: Aug 22 16:51:47 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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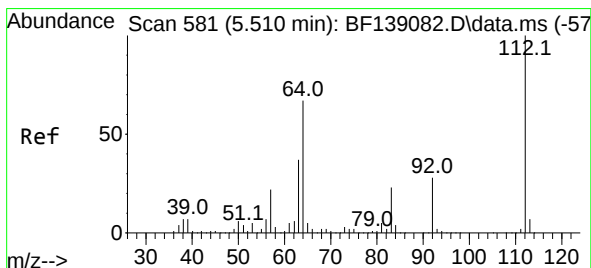
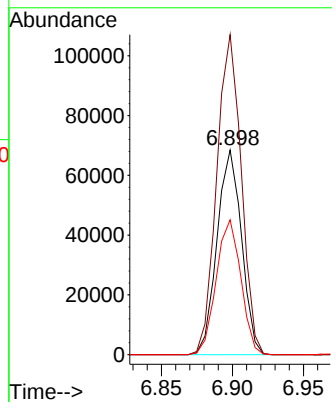
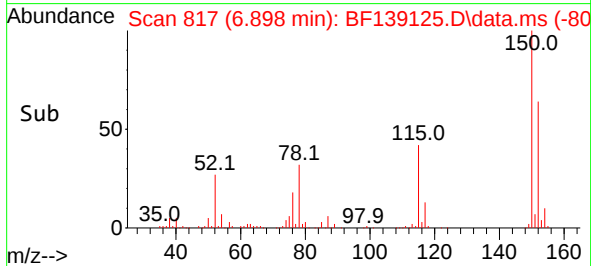


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524

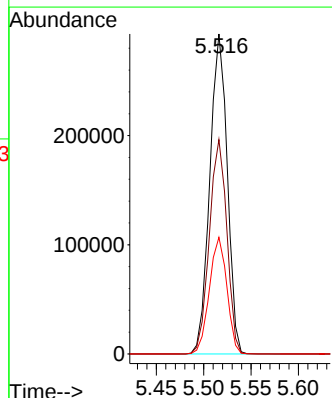
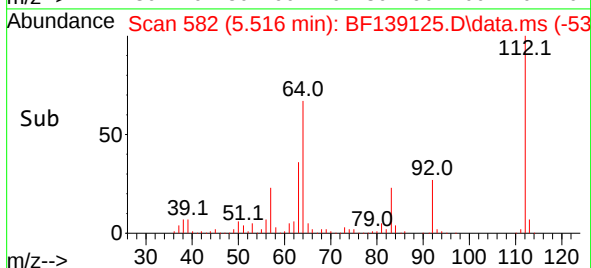
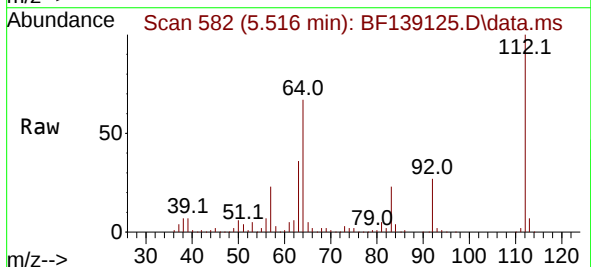


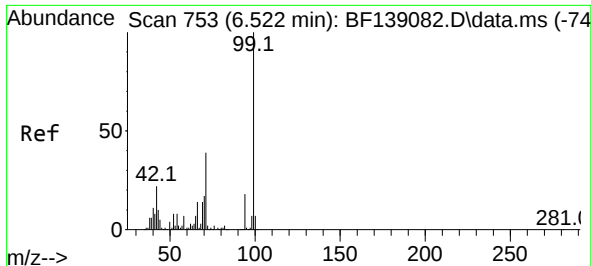
Tgt Ion:152 Resp: 81947
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 65.9 51.8 77.6



#5
2-Fluorophenol
Concen: 70.432 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

Tgt Ion:112 Resp: 375146
Ion Ratio Lower Upper
112 100
64 67.0 53.8 80.6
63 36.4 29.4 44.2

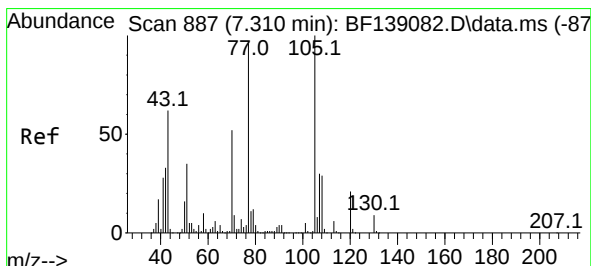
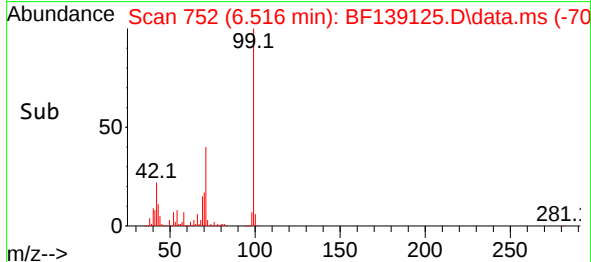
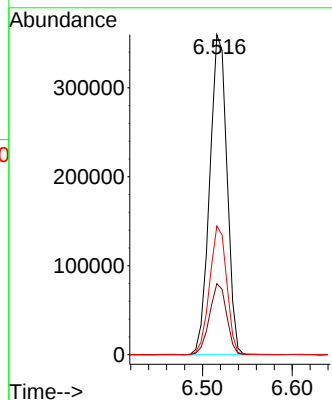
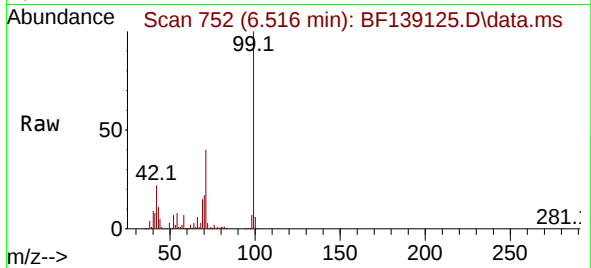




#7
Phenol-d6
Concen: 69.890 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

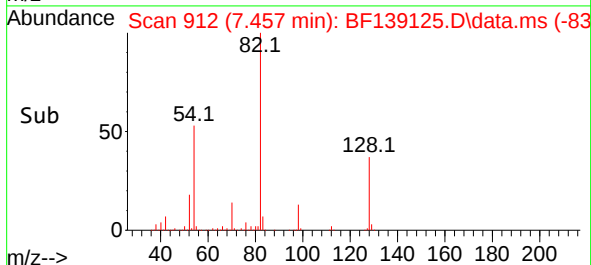
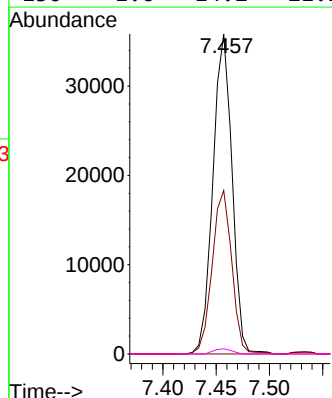
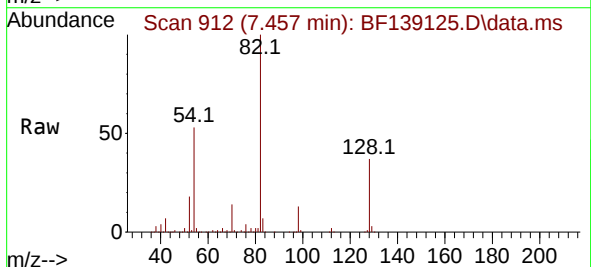
Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524

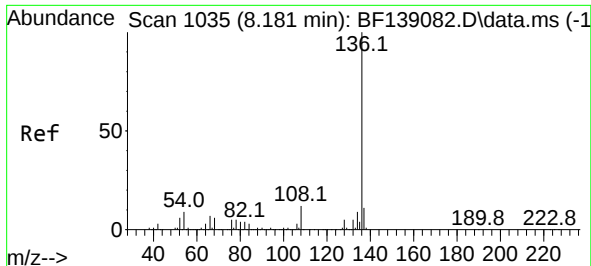
Tgt Ion: 99 Resp: 481004
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.2
71 40.2 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.890 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

Tgt Ion: 70 Resp: 44699
Ion Ratio Lower Upper
70 100
42 51.1 50.5 75.7
101 0.0 7.2 10.8#
130 1.6 14.2 21.2#

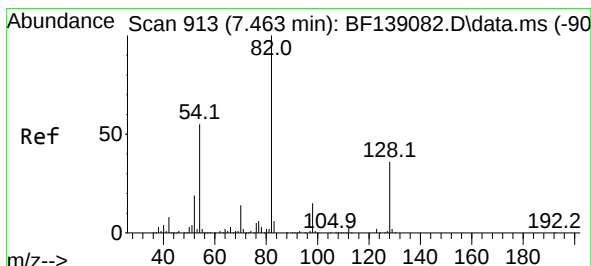
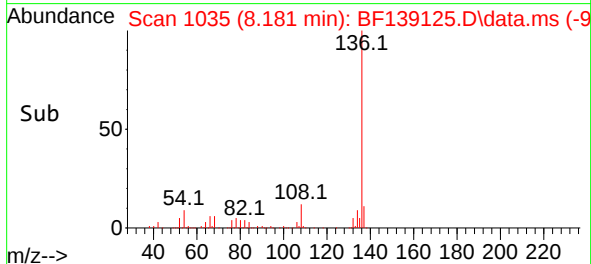
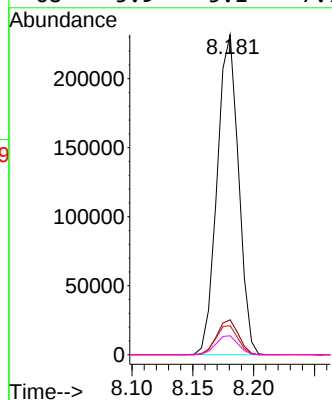
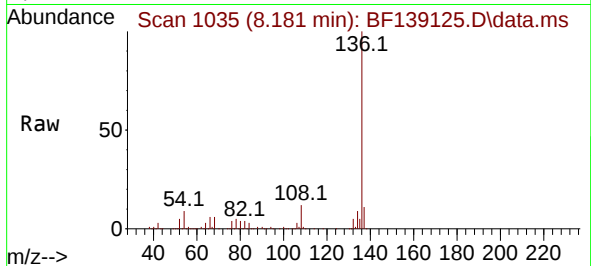




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

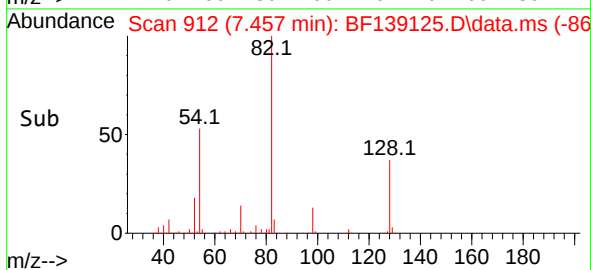
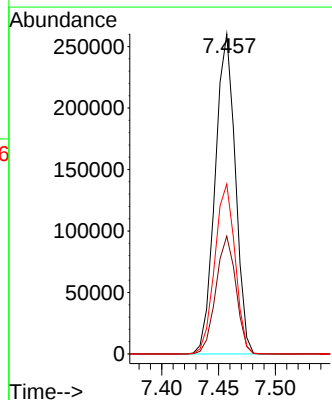
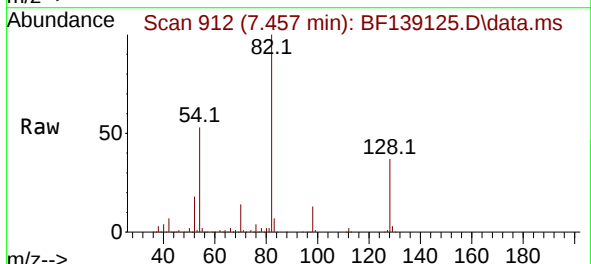
Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524

Tgt Ion:	136	Resp:	283880
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.0	7.6	11.4
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 66.080 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

Tgt Ion:	82	Resp:	321931
Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.0	43.4
54	53.1	43.4	65.2

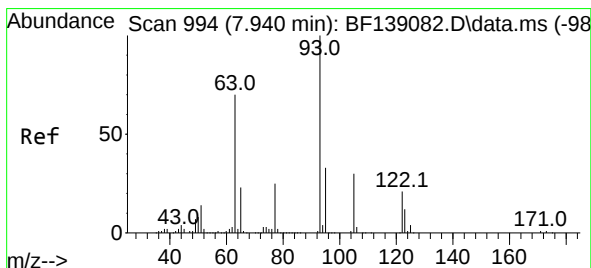
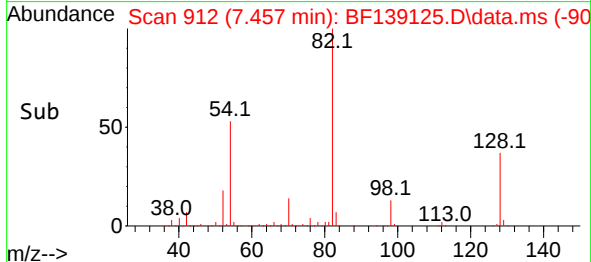
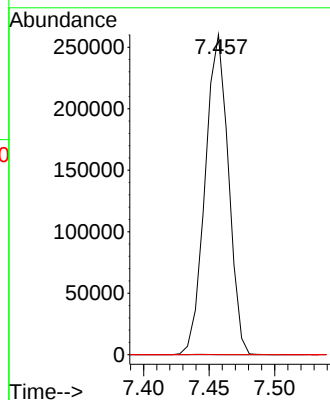
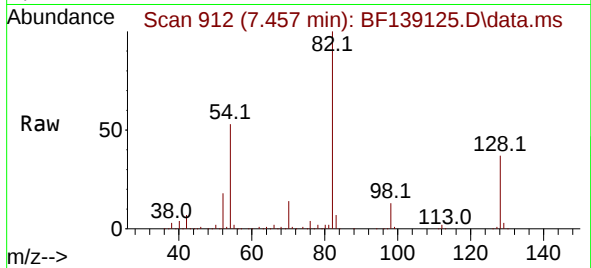




#25
Isophorone
Concen: 31.063 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

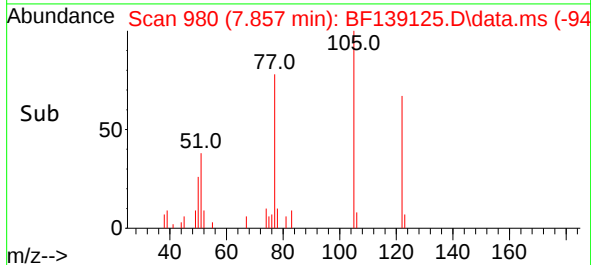
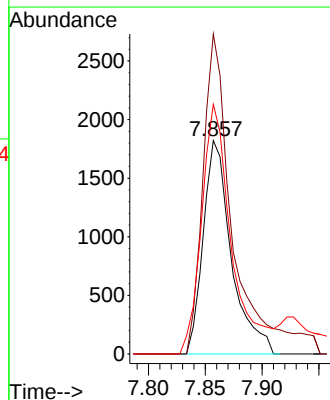
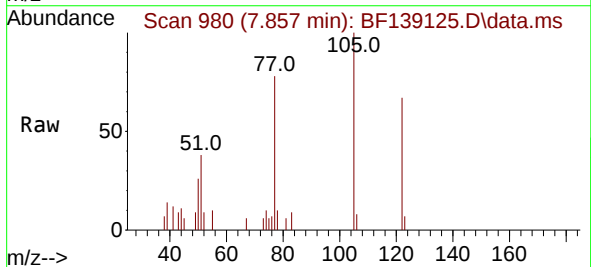
Instrument :
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ClientSampleId :
S-907-K1-0-0.5-081524

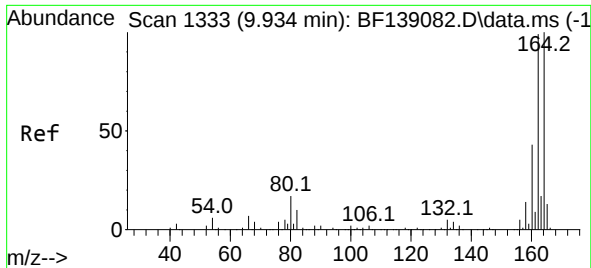
Tgt Ion: 82 Resp: 321655
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 9.293 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.083 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

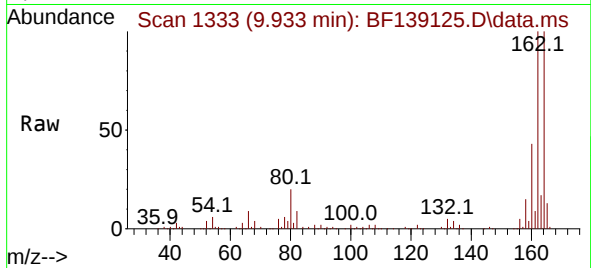
Tgt Ion:122 Resp: 3130
Ion Ratio Lower Upper
122 100
105 149.9 119.6 159.6
77 116.9 97.6 137.6



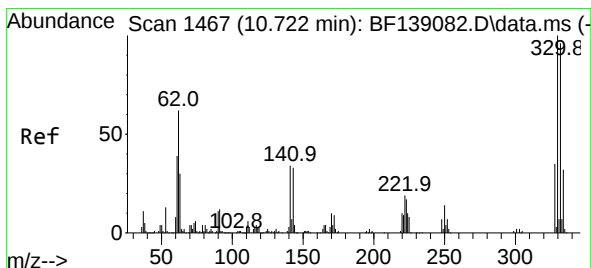
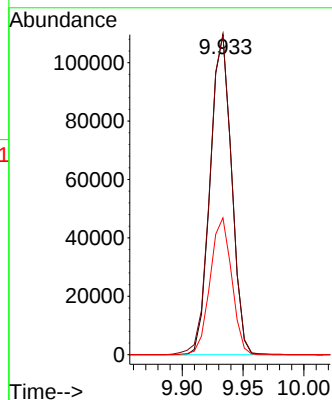
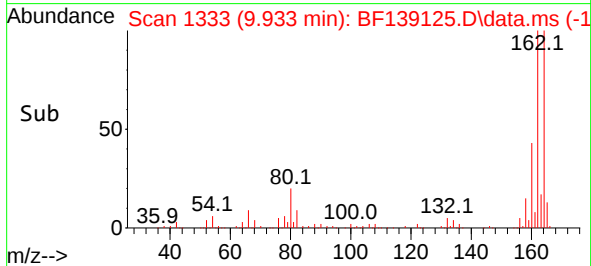


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

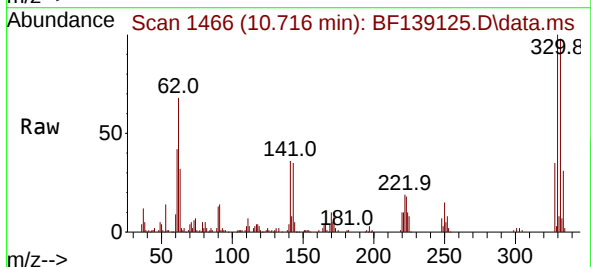
Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524



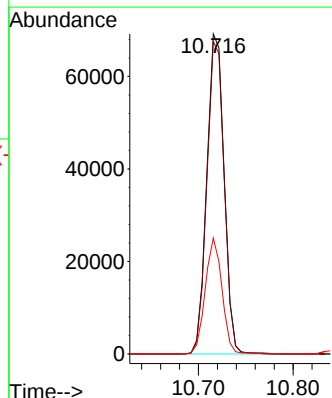
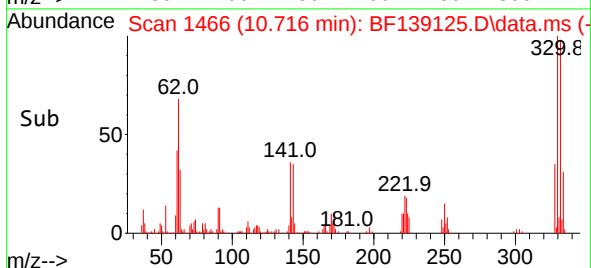
Tgt Ion:164 Resp: 133415
Ion Ratio Lower Upper
164 100
162 100.0 79.5 119.3
160 42.8 34.5 51.7

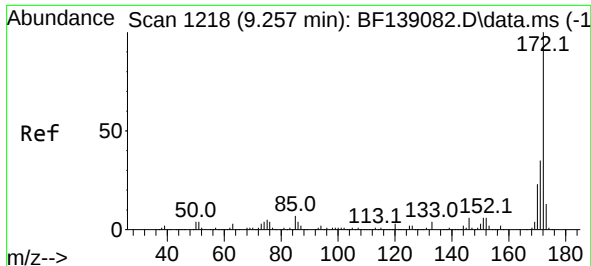


#42
2,4,6-Tribromophenol
Concen: 72.648 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21



Tgt Ion:330 Resp: 87743
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 35.1 27.5 41.3

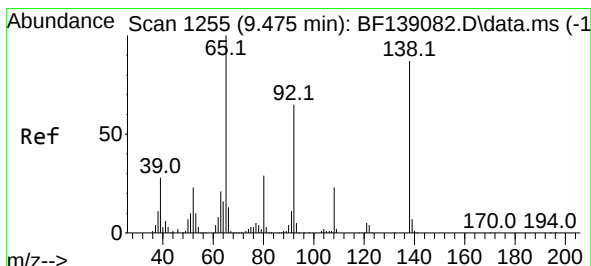
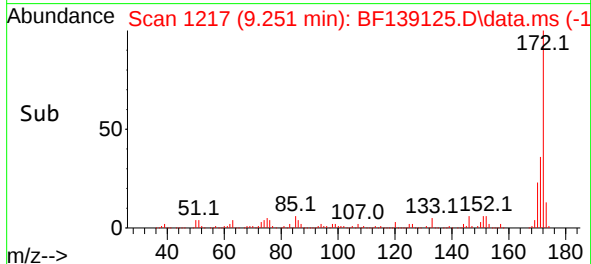
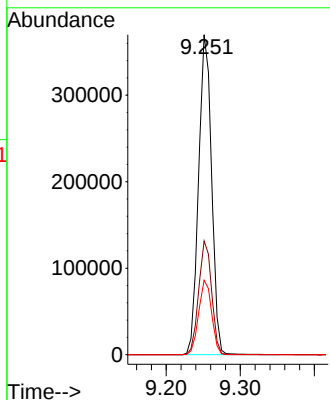
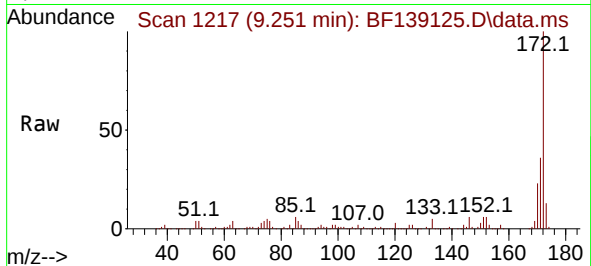




#45
2-Fluorobiphenyl
Concen: 53.710 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

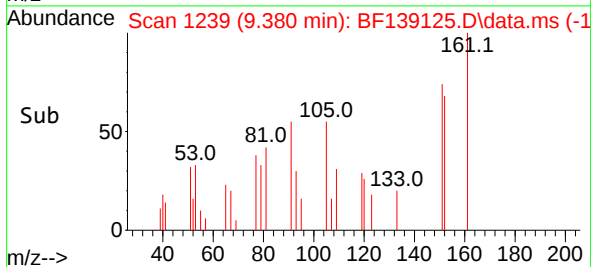
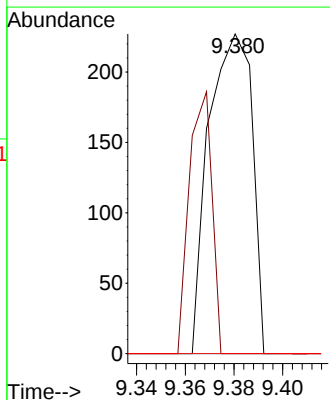
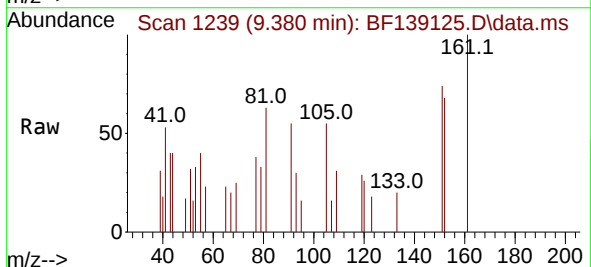
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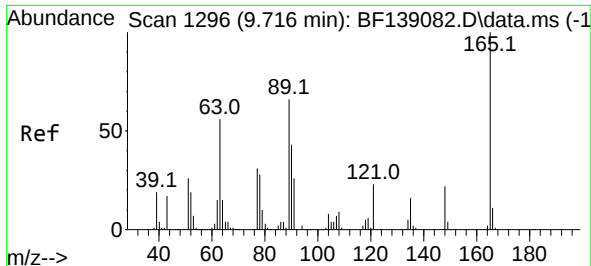
Tgt Ion:172 Resp: 451635
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.3 18.8 28.2



#48
2-Nitroaniline
Concen: 5.773 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.095 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

Tgt Ion: 65 Resp: 280
Ion Ratio Lower Upper
65 100
92 0.0 52.4 78.6#
138 0.0 69.4 104.0#





#51

2,6-Dinitrotoluene

Concen: 4.939 ng

RT: 9.586 min Scan# 1

Delta R.T. -0.130 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

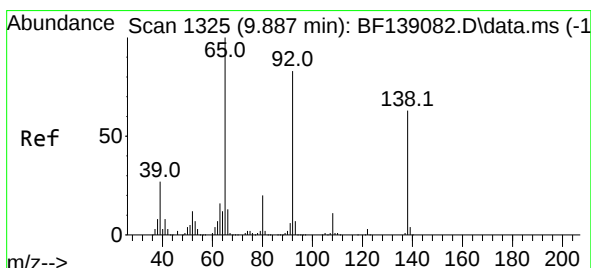
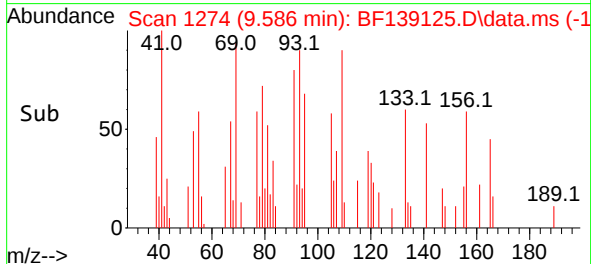
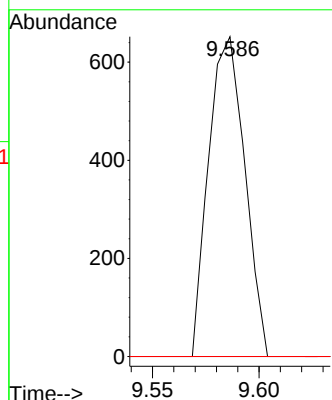
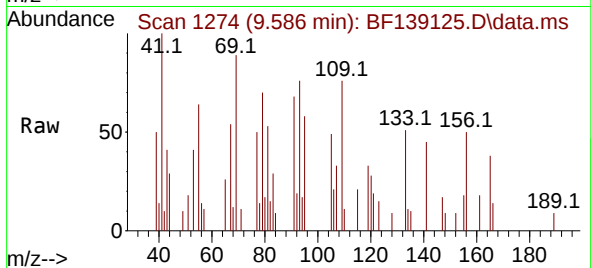
Instrument :

BNA_F

ClientSampleId :

S-907-K1-0-0.5-081524

Tgt Ion:165	Resp:	770
Ion Ratio	Lower	Upper
165	100	
63	0.0	58.0
89	0.0	53.3



#53

3-Nitroaniline

Concen: 4.243 ng

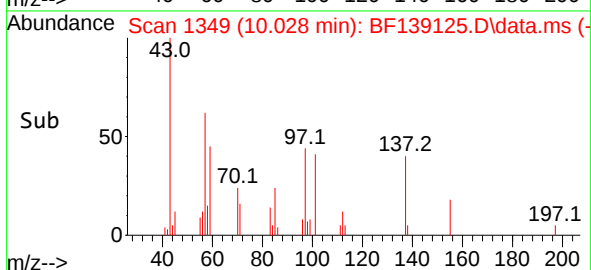
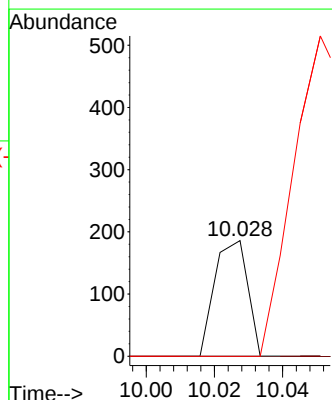
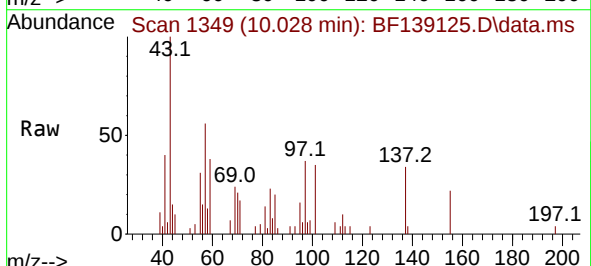
RT: 10.028 min Scan# 1349

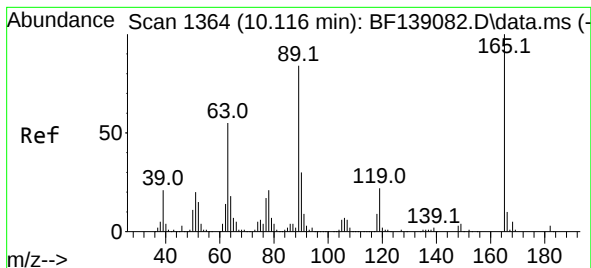
Delta R.T. 0.140 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

Tgt Ion:138	Resp:	125
Ion Ratio	Lower	Upper
138	100	
108	0.0	14.6
92	0.0	105.9

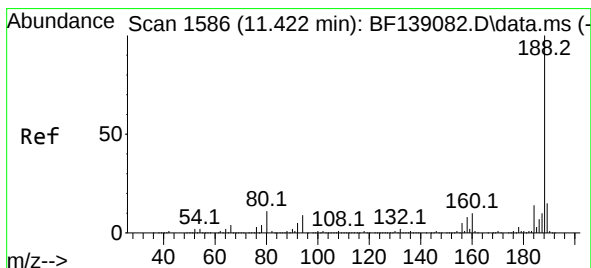
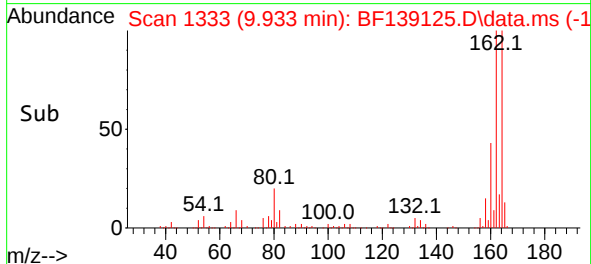
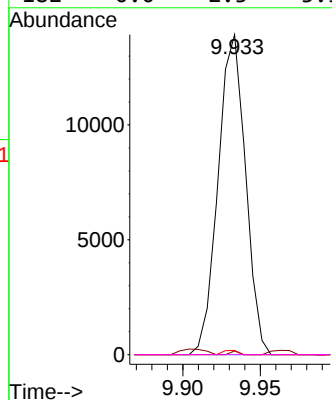
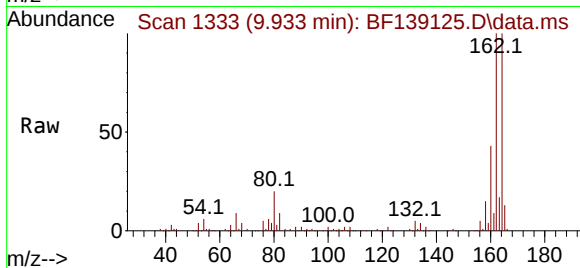




#57
2,4-Dinitrotoluene
Concen: 12.875 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

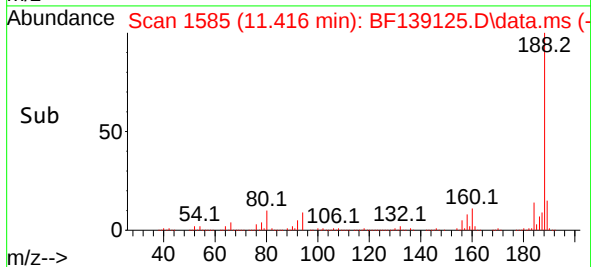
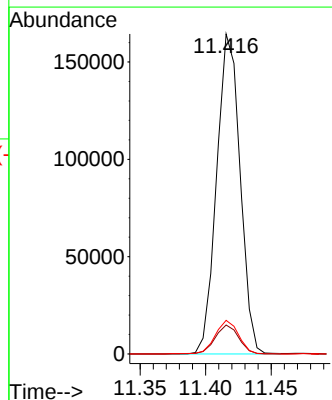
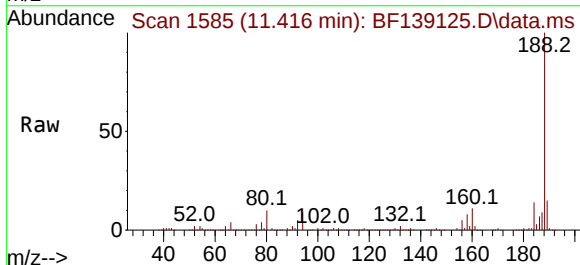
Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524

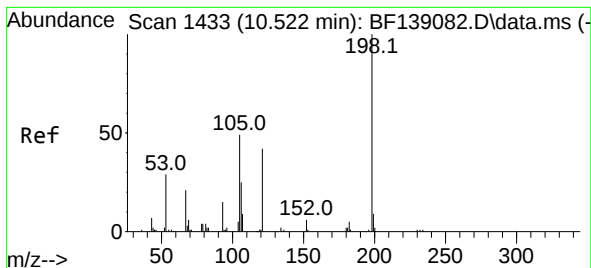
Tgt Ion:165 Resp: 17165
Ion Ratio Lower Upper
165 100
63 1.2 44.2 66.4#
89 1.3 67.4 101.2#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

Tgt Ion:188 Resp: 204551
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.5 8.5 12.7

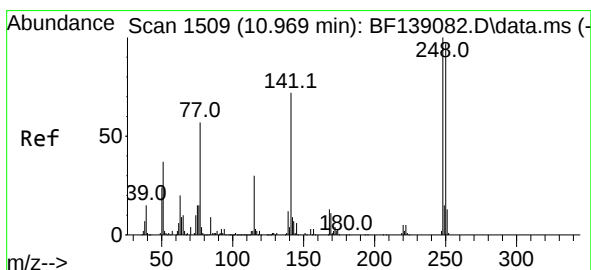
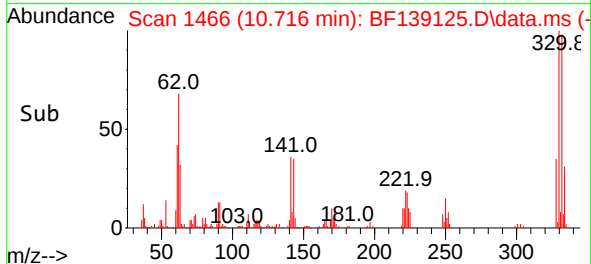
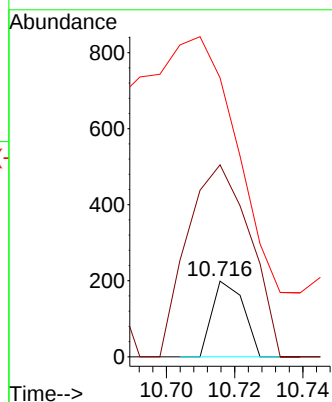
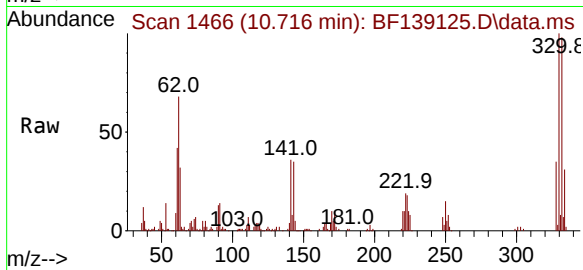




#65
4,6-Dinitro-2-methylphenol
Concen: 6.661 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.194 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

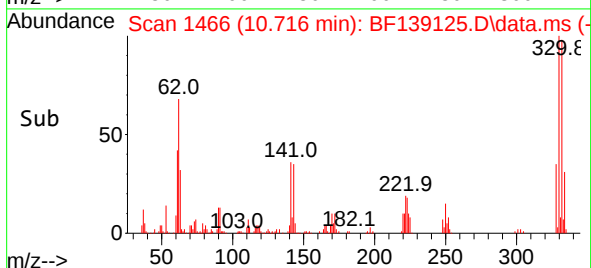
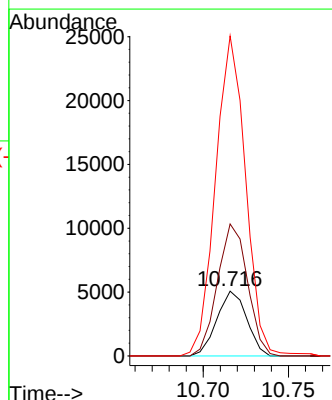
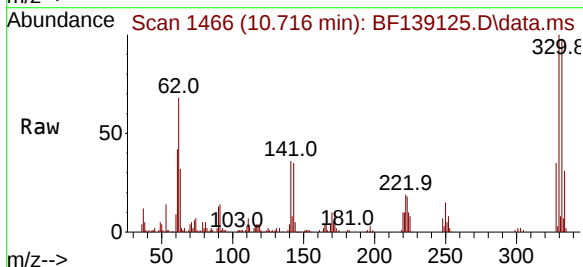
Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524

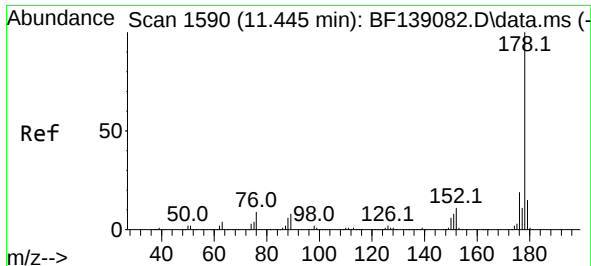
Tgt Ion:198 Resp: 127
Ion Ratio Lower Upper
198 100
51 253.8 40.8 80.8#
105 368.8 30.9 70.9#



#67
4-Bromophenyl-phenylether
Concen: 2.861 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

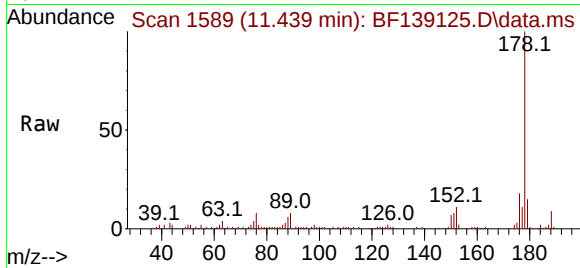
Tgt Ion:248 Resp: 6201
Ion Ratio Lower Upper
248 100
250 203.7 77.8 116.8#
141 493.7 57.9 86.9#



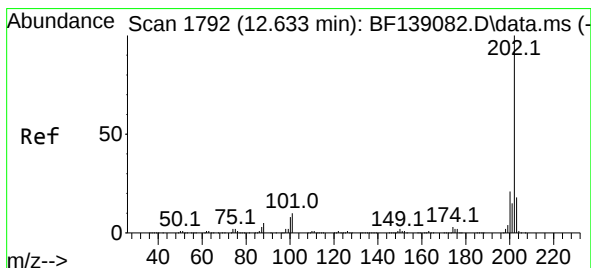
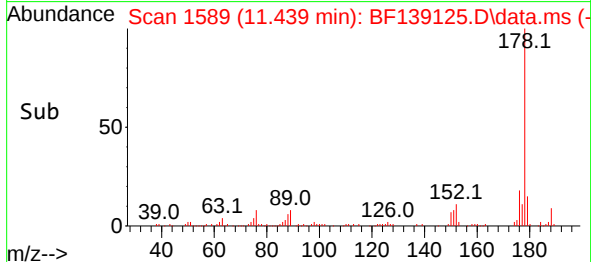
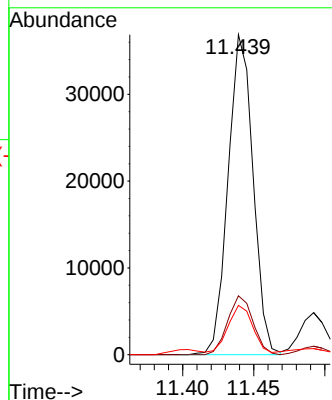


#71
Phenanthrene
Concen: 4.342 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524

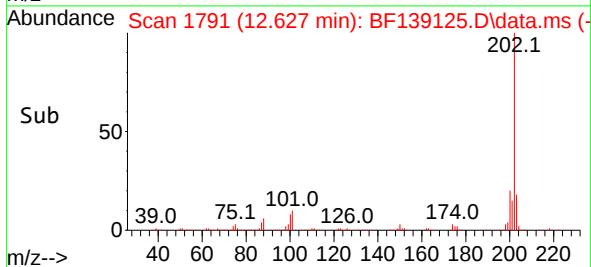
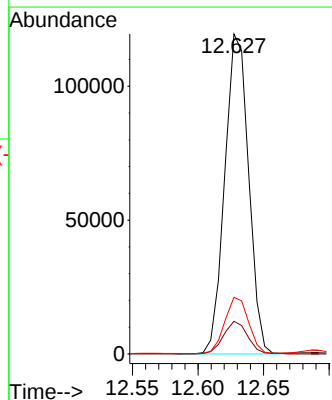
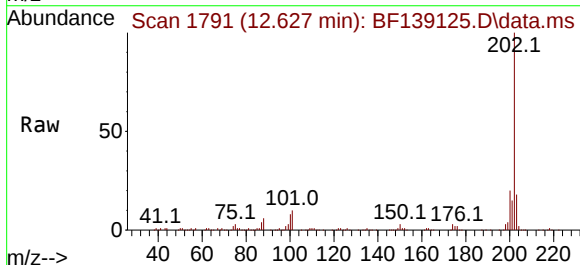


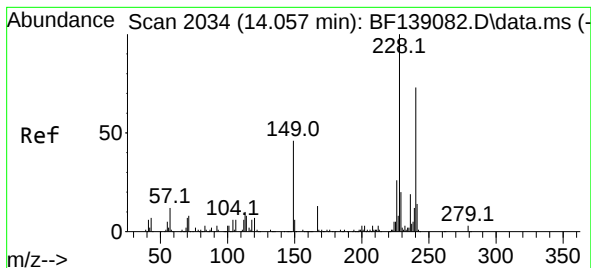
Tgt Ion:178 Resp: 45146
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.4 12.3 18.5



#75
Fluoranthene
Concen: 13.626 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

Tgt Ion:202 Resp: 151203
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

Instrument :

BNA_F

ClientSampleId :

S-907-K1-0-0.5-081524

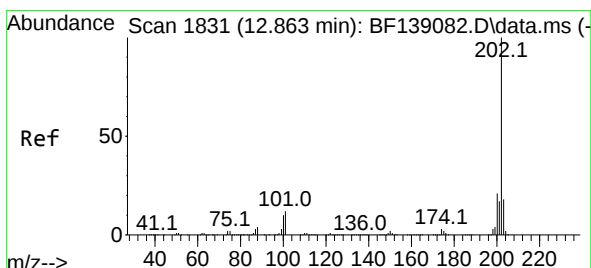
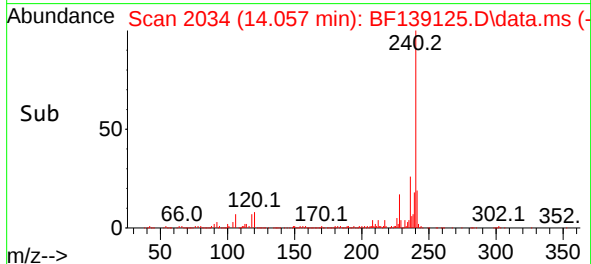
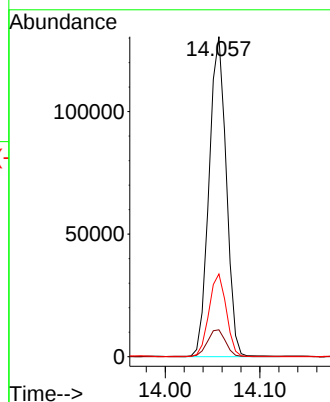
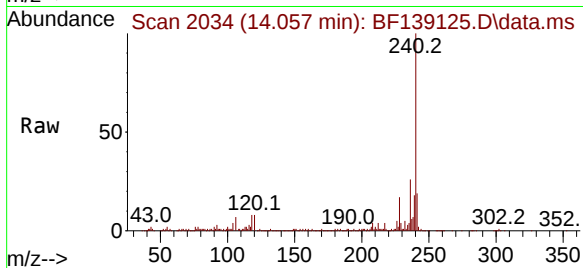
Tgt Ion:240 Resp: 164631

Ion Ratio Lower Upper

240 100

120 8.4 7.8 11.6

236 25.9 20.9 31.3



#78

Pyrene

Concen: 9.340 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

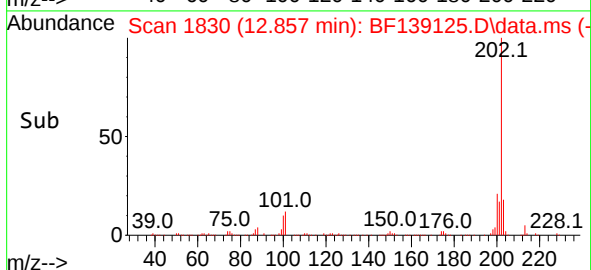
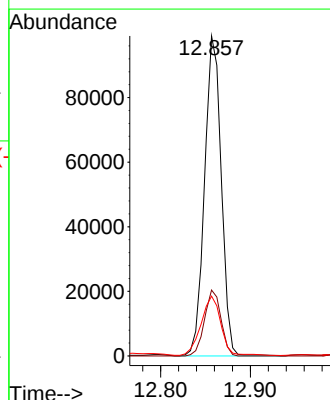
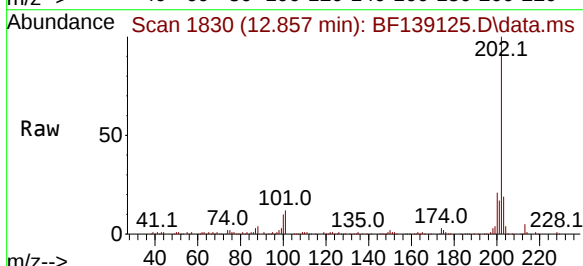
Tgt Ion:202 Resp: 128323

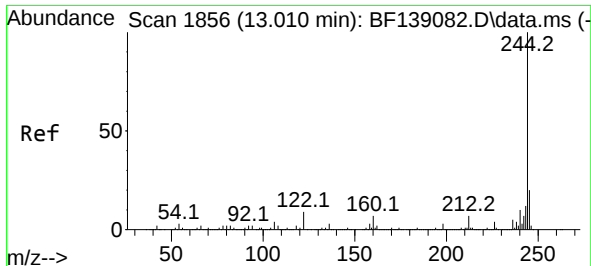
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

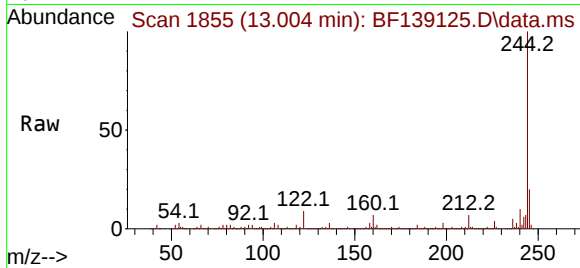
203 18.7 14.1 21.1





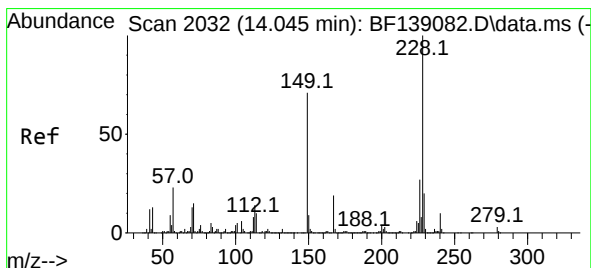
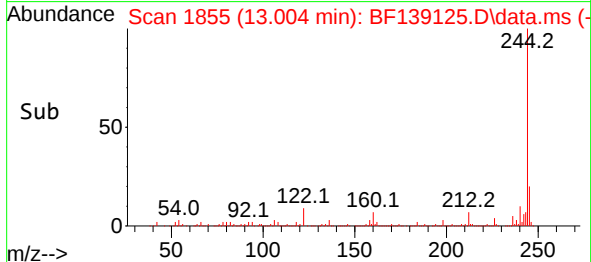
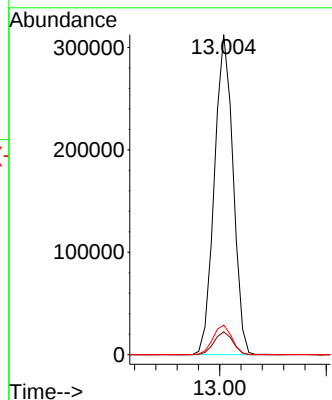
#79
 Terphenyl-d14
 Concen: 38.229 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. -0.006 min
 Lab File: BF139125.D
 Acq: 22 Aug 2024 16:21

Instrument :
 BNA_F
 ClientSampleId :
 S-907-K1-0-0.5-081524



Tgt Ion:244 Resp: 379299

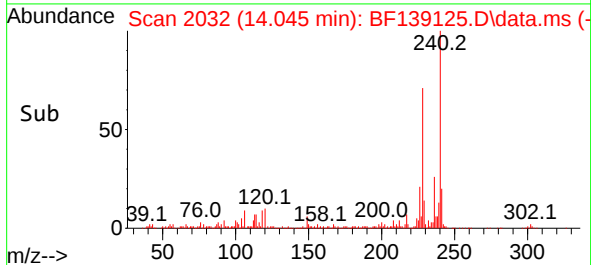
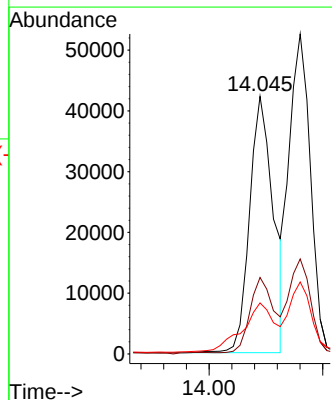
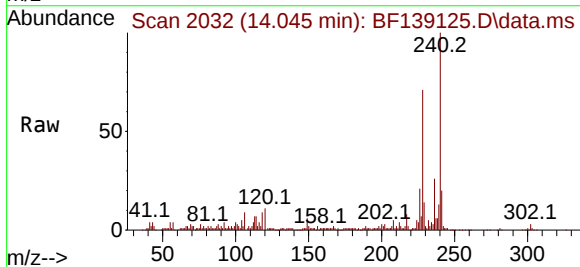
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	9.3	7.6	11.4

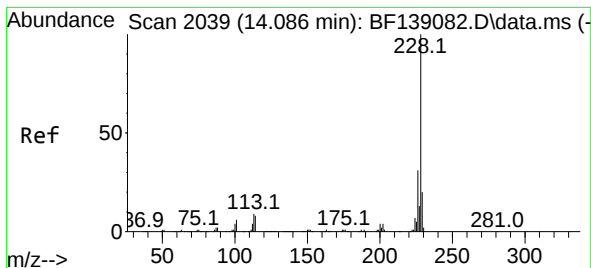


#81
 Benzo(a)anthracene
 Concen: 5.665 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF139125.D
 Acq: 22 Aug 2024 16:21

Tgt Ion:228 Resp: 61311

Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.9	32.9
229	19.8	16.1	24.1





#83

Chrysene

Concen: 6.913 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

Instrument :

BNA_F

ClientSampleId :

S-907-K1-0-0.5-081524

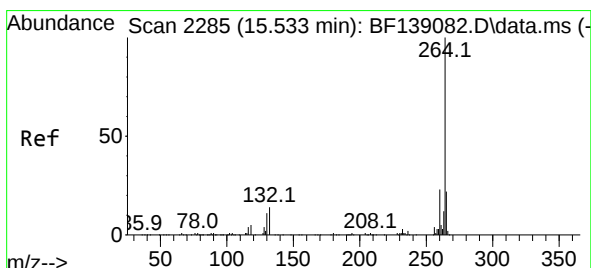
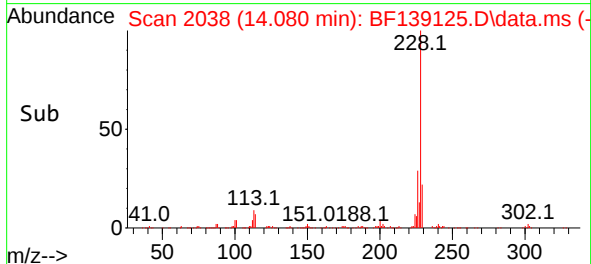
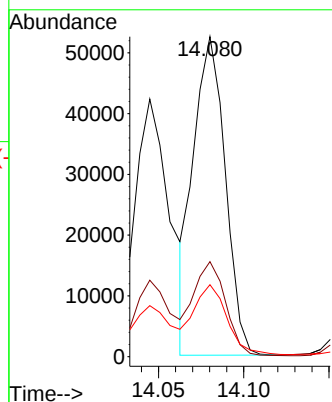
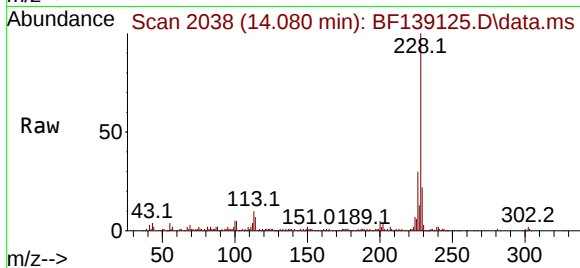
Tgt Ion:228 Resp: 67809

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 22.5 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.000 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

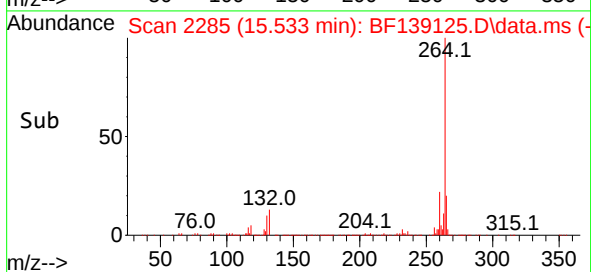
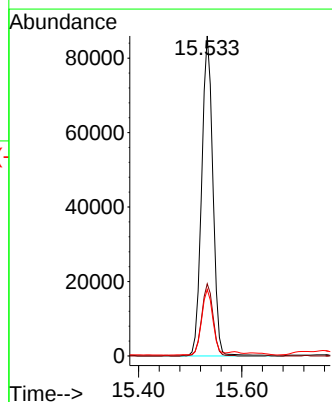
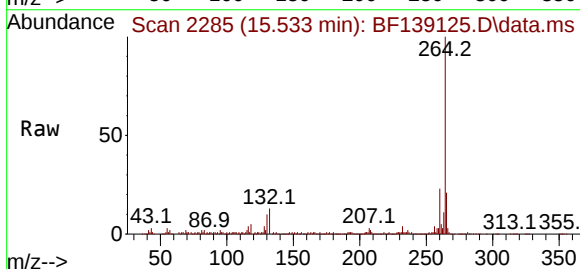
Tgt Ion:264 Resp: 129640

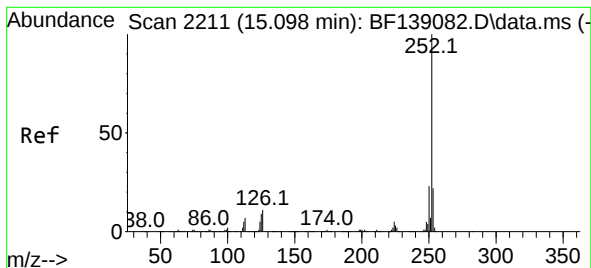
Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

265 20.8 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 13.563 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

Instrument :

BNA_F

ClientSampleId :

S-907-K1-0-0.5-081524

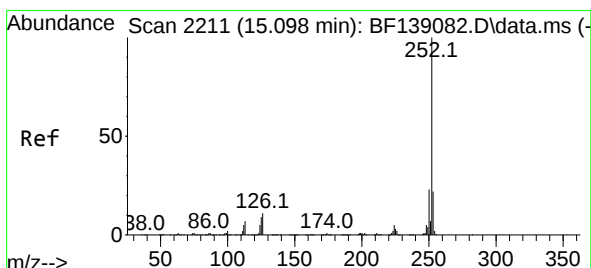
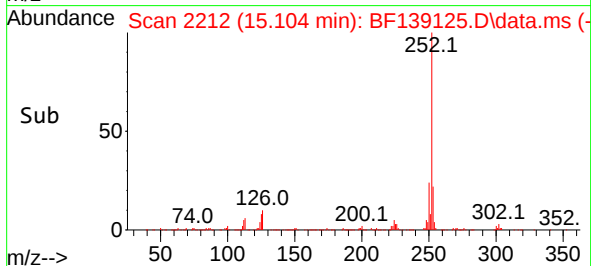
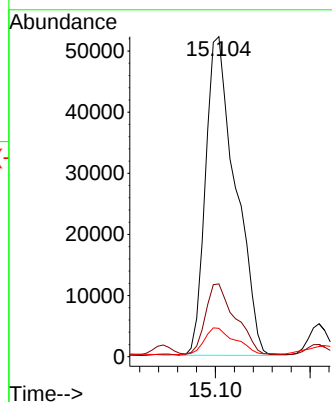
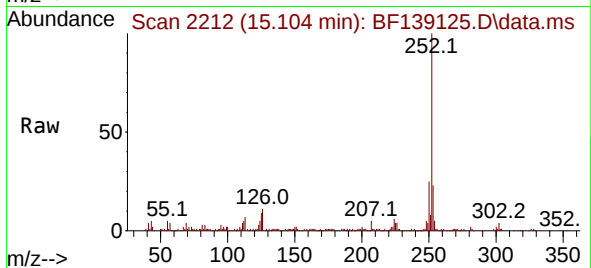
Tgt Ion:252 Resp: 114628

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 8.9 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 16.284 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.030 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

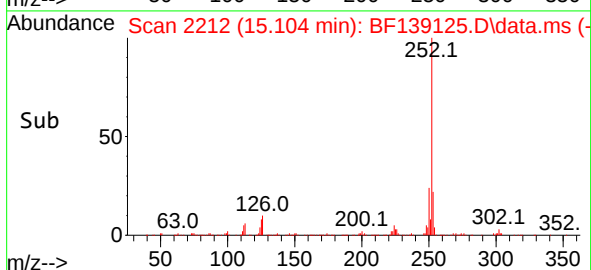
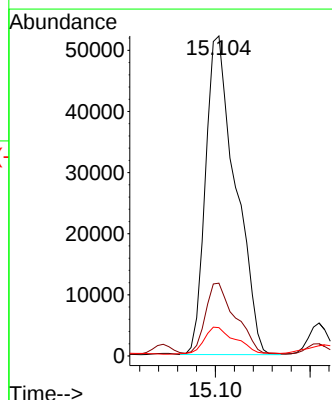
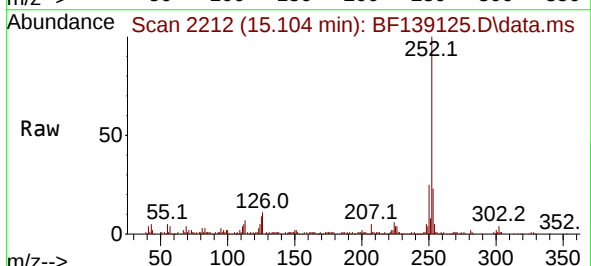
Tgt Ion:252 Resp: 114628

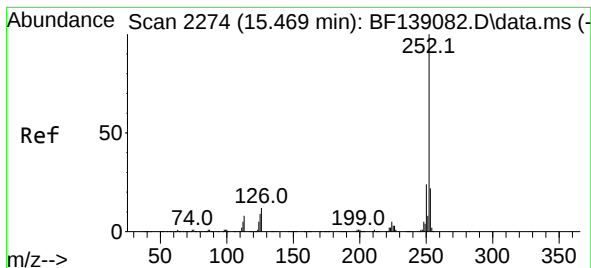
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 8.9 7.0 10.6





#90

Benzo(a)pyrene

Concen: 6.975 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

Instrument :

BNA_F

ClientSampleId :

S-907-K1-0-0.5-081524

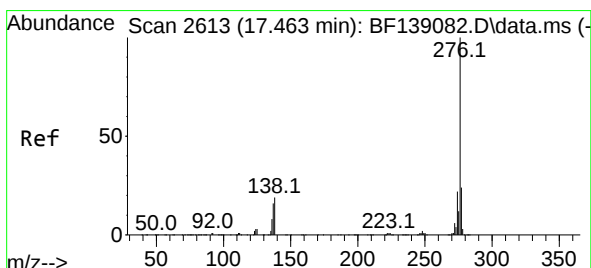
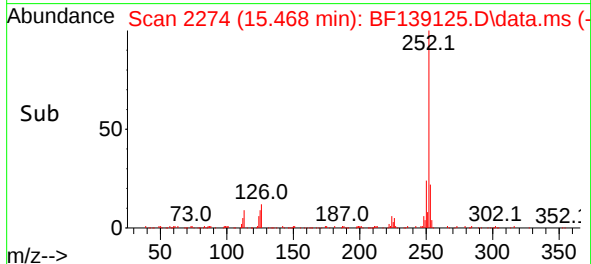
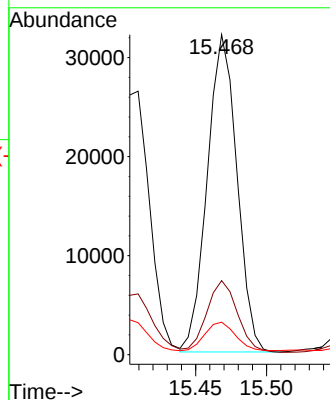
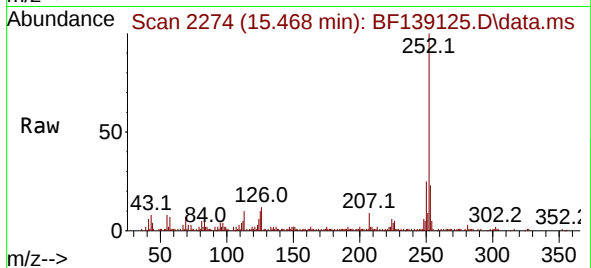
Tgt Ion:252 Resp: 46584

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 10.1 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 7.209 ng

RT: 17.456 min Scan# 2612

Delta R.T. -0.007 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

Tgt Ion:276 Resp: 33358

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 18.1 15.0 22.4

