

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)

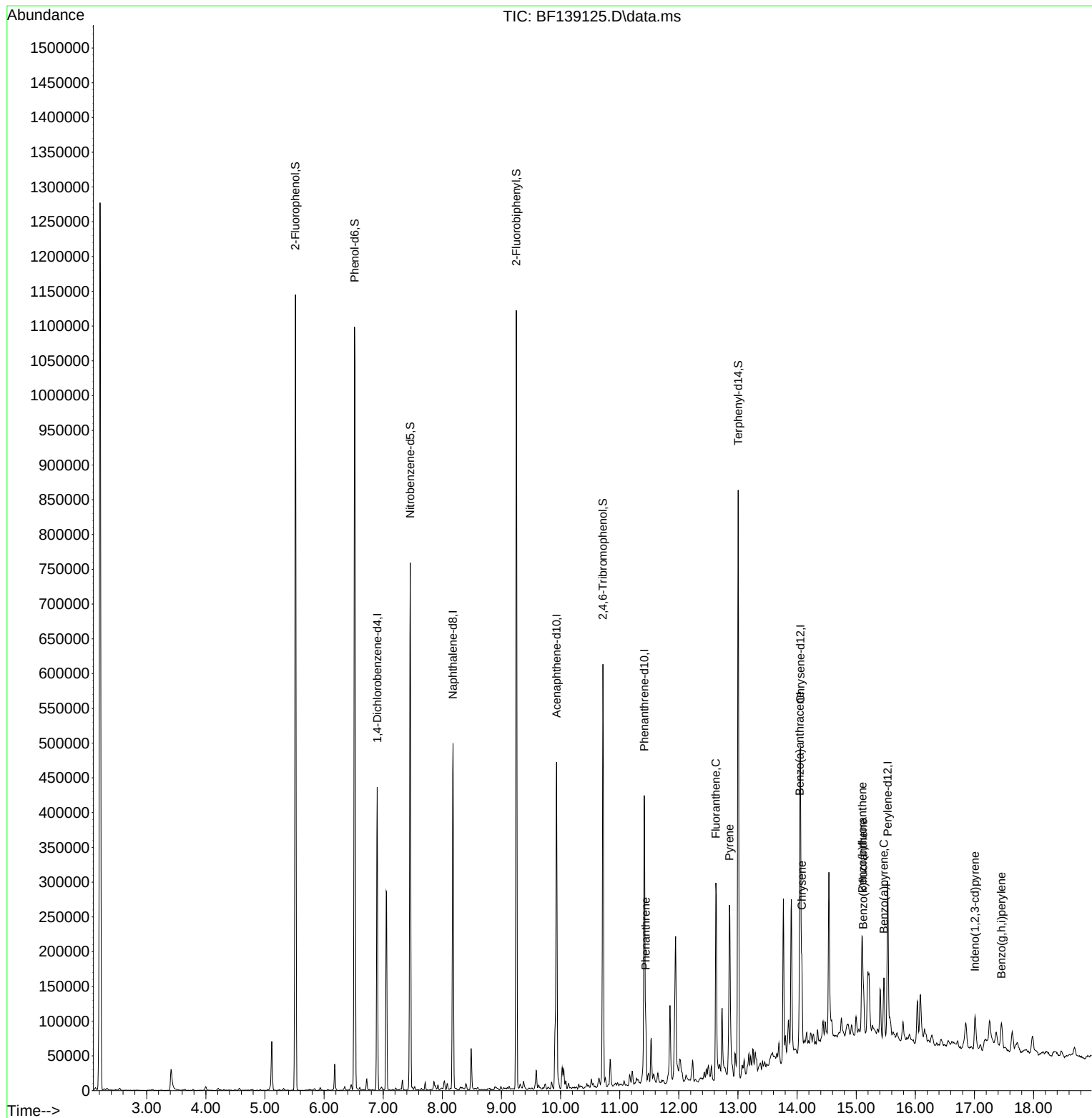
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	81947	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	283880	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	133415	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	204551	20.000	ng	0.00
76) Chrysene-d12	14.057	240	164631	20.000	ng	0.00
86) Perylene-d12	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
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
87) Indeno(1,2,3-cd)pyrene	17.009	276	35305m	4.653	ng	
88) Benzo(b)fluoranthene	15.104	252	85539m	10.121	ng	
89) Benzo(k)fluoranthene	15.115	252	30545m	4.339	ng	
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

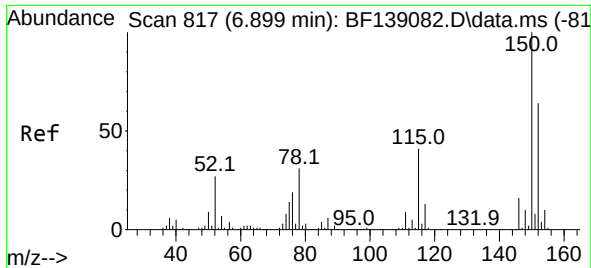
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
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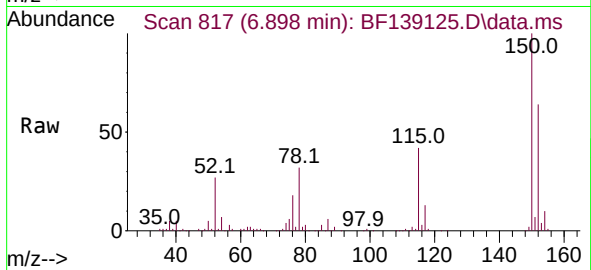
Quant Time: Aug 22 16:51:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
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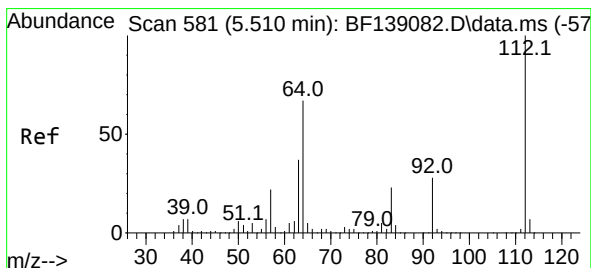
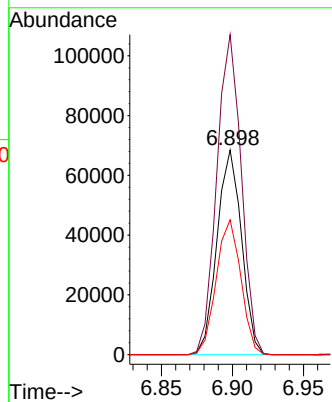
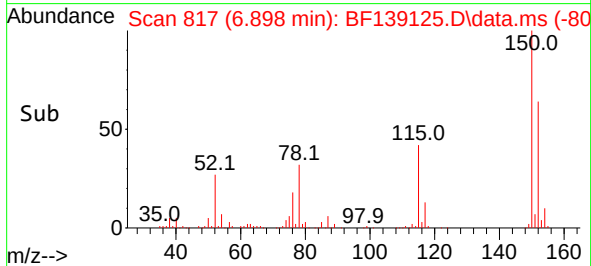


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

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

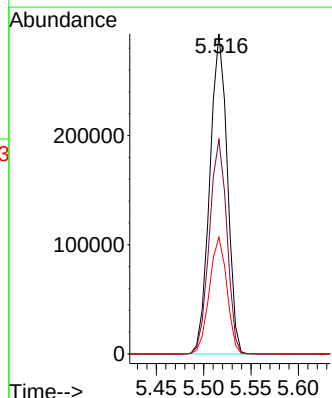
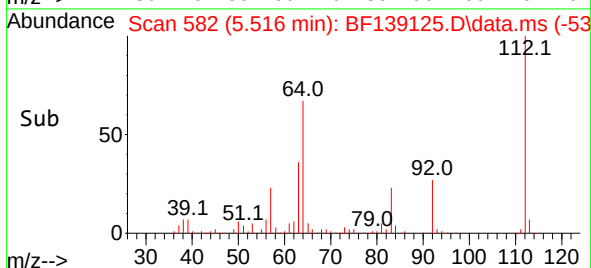
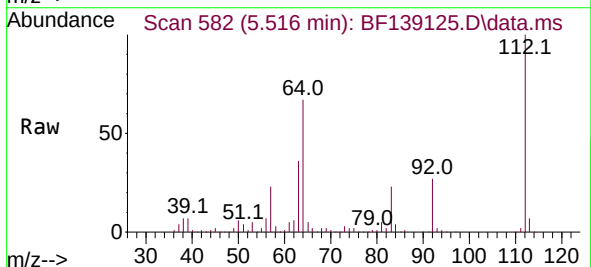


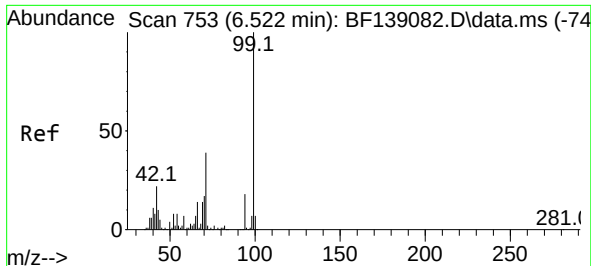
Tgt Ion:152 Resp: 81947
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 65.9 51.8 77.6



#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

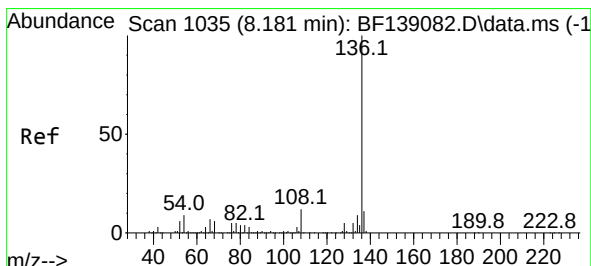
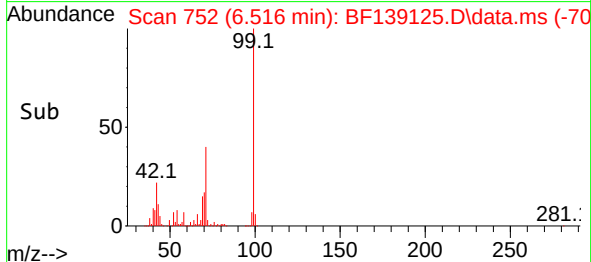
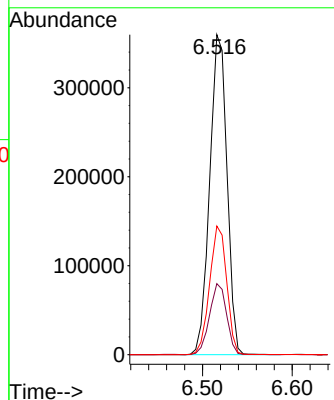
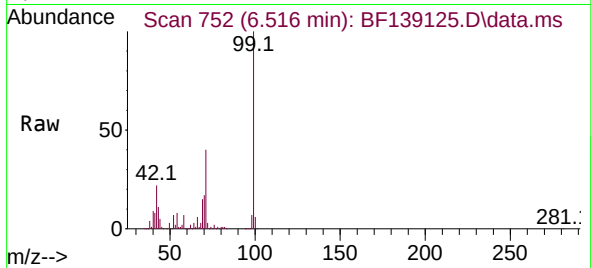




#7
Phenol-d6
Concen: 69.890 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

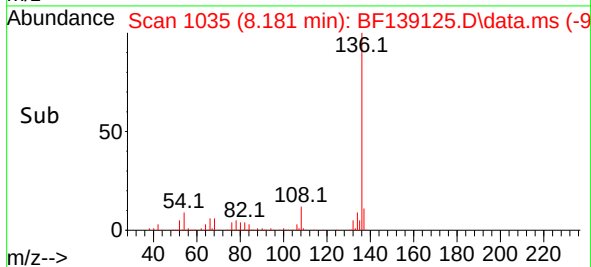
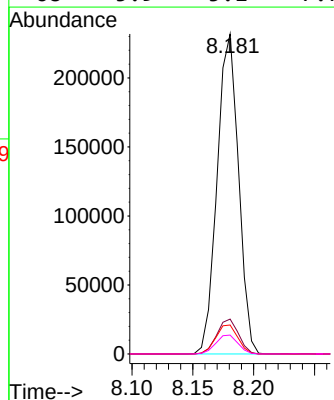
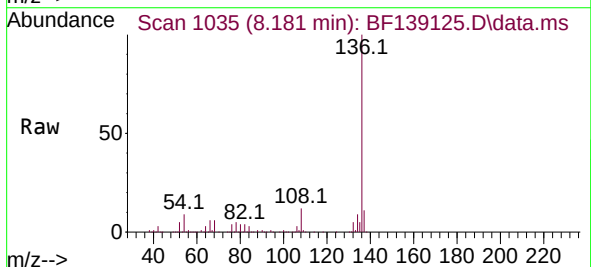
Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524

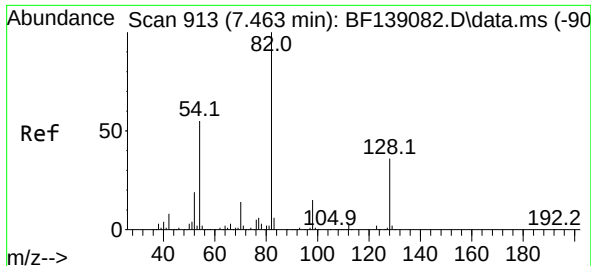
Tgt Ion: 99 Resp: 481004
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.2
71 40.2 31.2 46.8



#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

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# 913

Delta R.T. -0.006 min

Lab File: BF139125.D

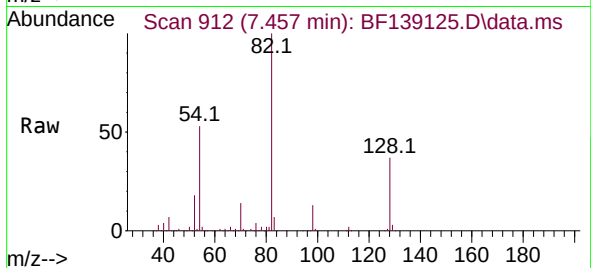
Acq: 22 Aug 2024 16:21

Instrument :

BNA_F

ClientSampleId :

S-907-K1-0-0.5-081524



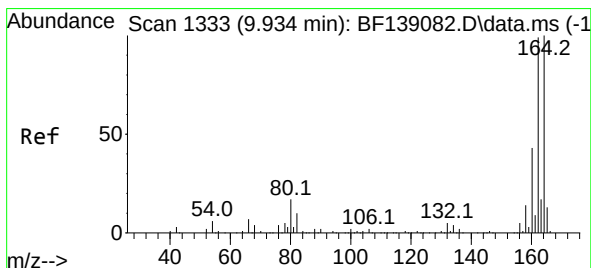
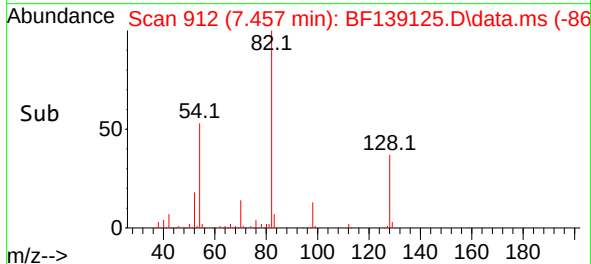
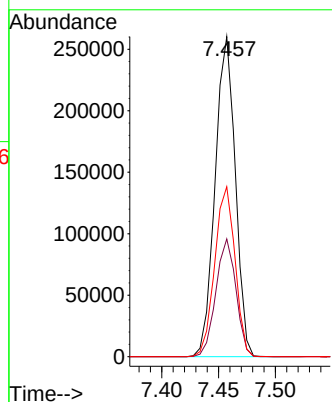
Tgt Ion: 82 Resp: 321931

Ion Ratio Lower Upper

82 100

128 36.8 29.0 43.4

54 53.1 43.4 65.2



#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

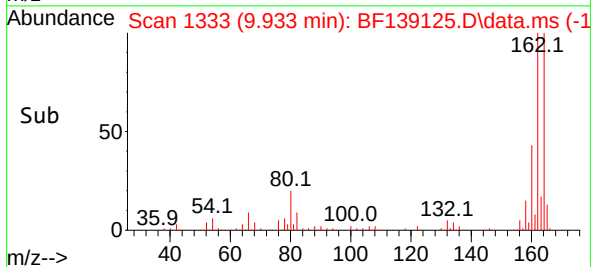
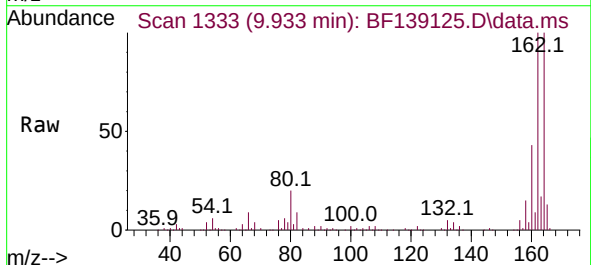
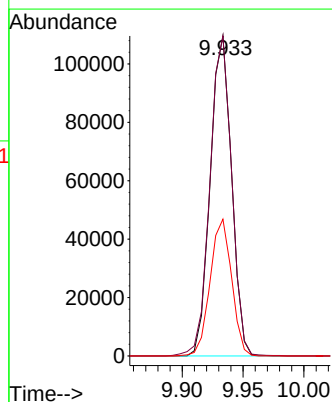
Tgt Ion: 164 Resp: 133415

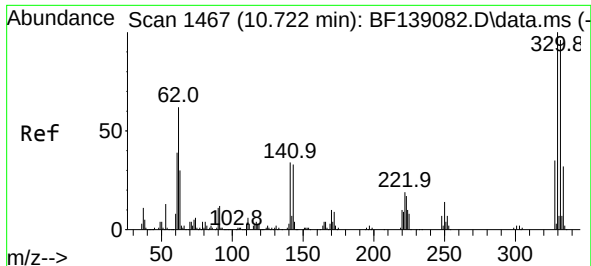
Ion Ratio Lower Upper

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

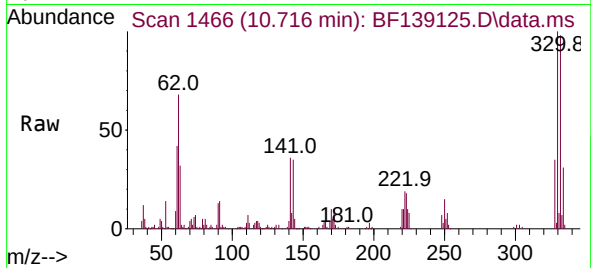
Acq: 22 Aug 2024 16:21

Instrument :

BNA_F

ClientSampleId :

S-907-K1-0-0.5-081524



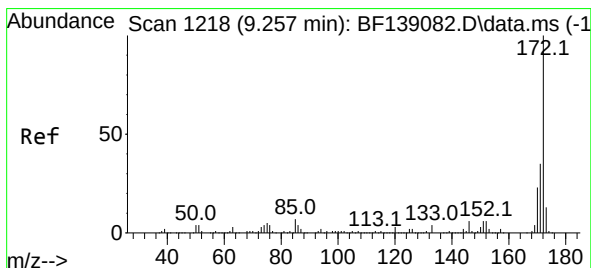
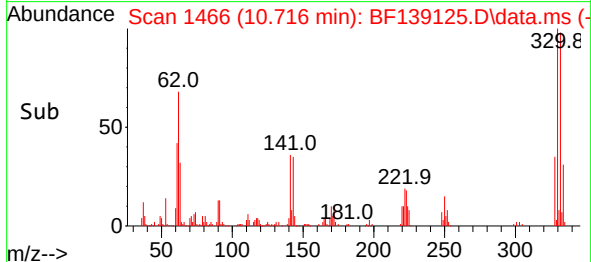
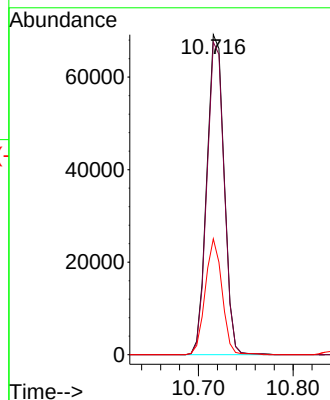
Tgt Ion:330 Resp: 87743

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# 1217

Delta R.T. -0.006 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

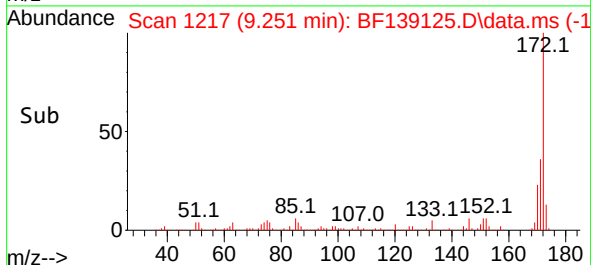
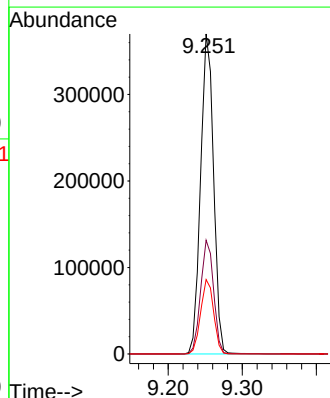
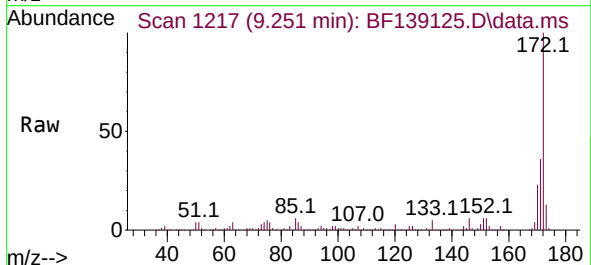
Tgt Ion:172 Resp: 451635

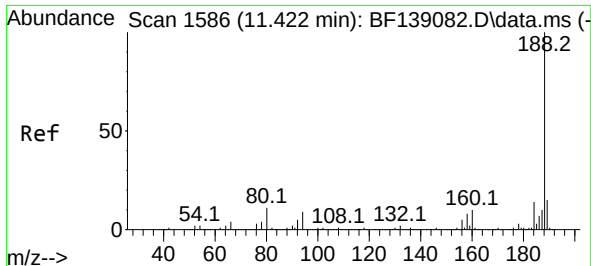
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.3 18.8 28.2

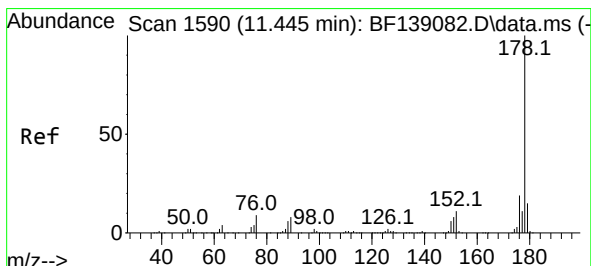
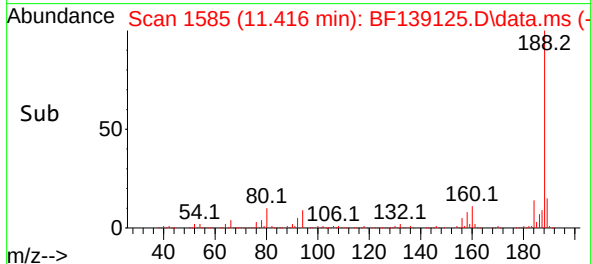
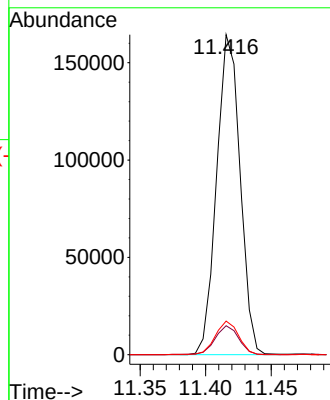
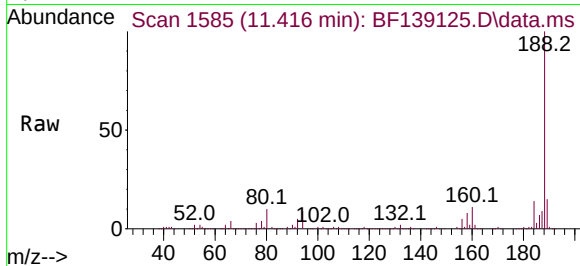




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

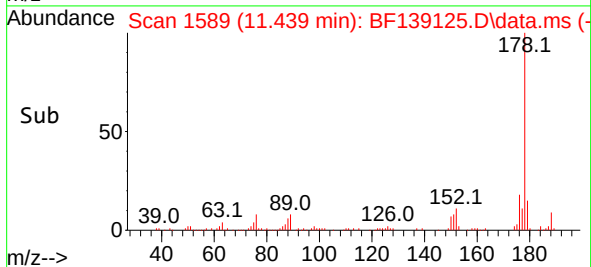
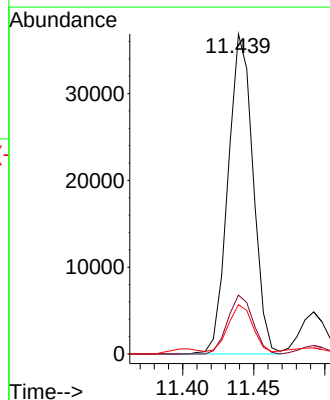
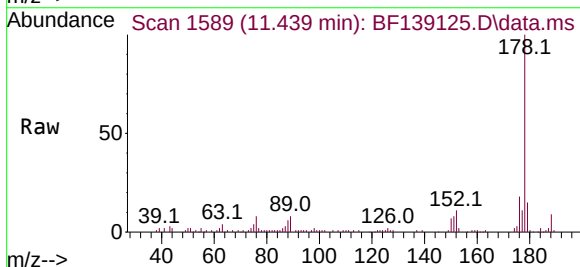
Instrument :
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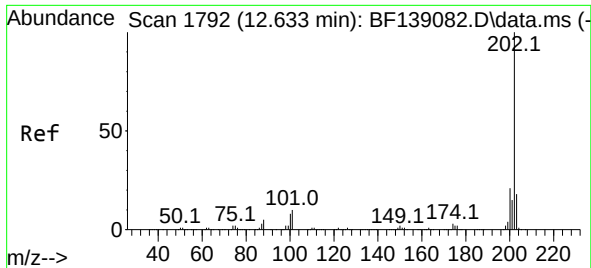
Tgt Ion:188 Resp: 204551
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.5 8.5 12.7



#71
Phenanthrene
Concen: 4.342 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

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

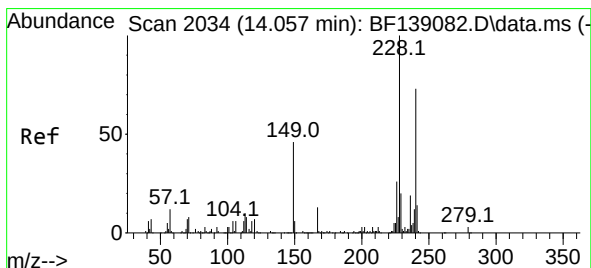
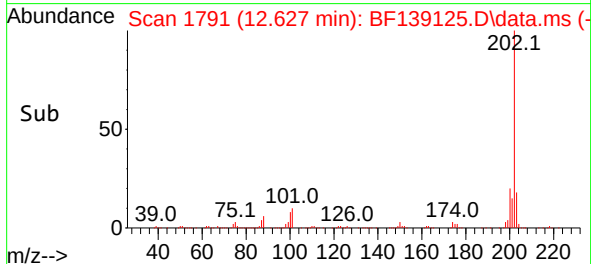
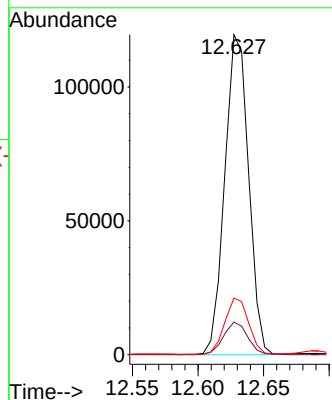
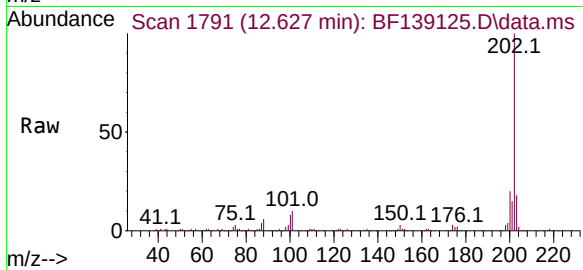




#75
Fluoranthene
Concen: 13.626 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

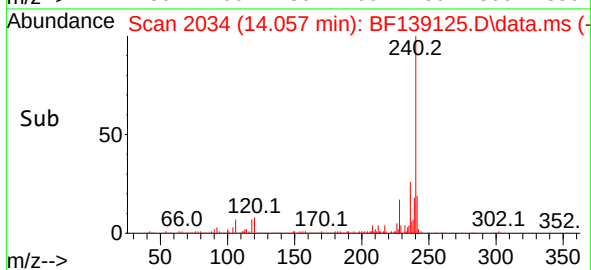
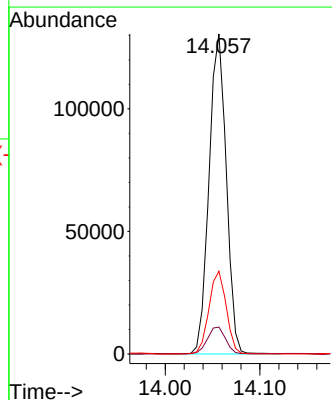
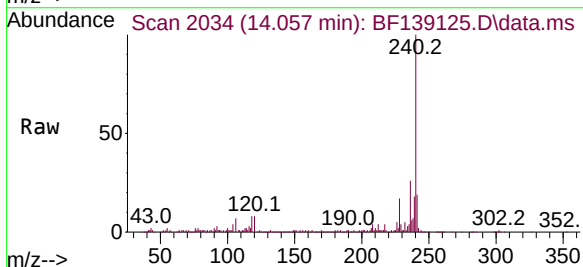
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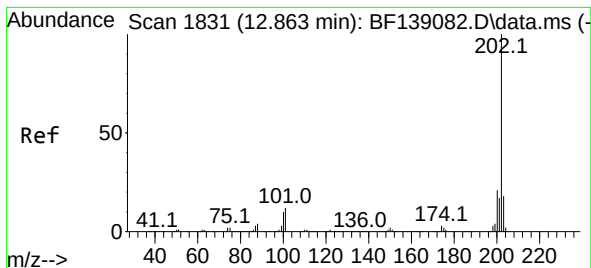
Tgt Ion:202 Resp: 151203
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.7 0.0 37.6



#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

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

Instrument :

BNA_F

ClientSampleId :

S-907-K1-0-0.5-081524

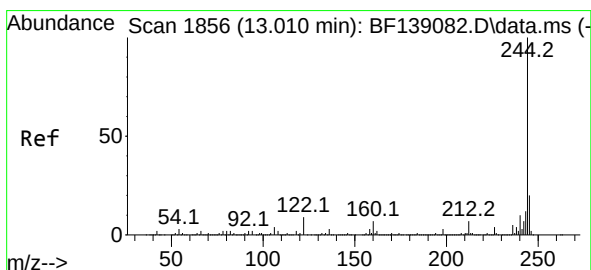
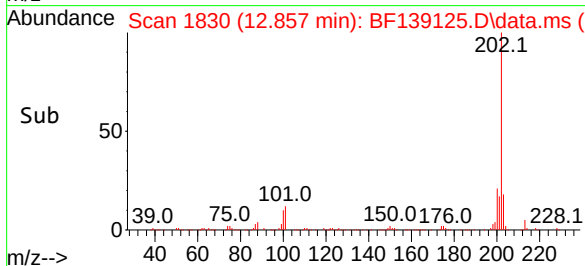
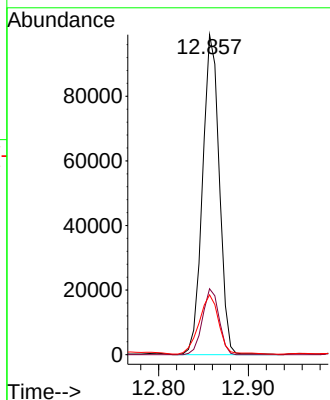
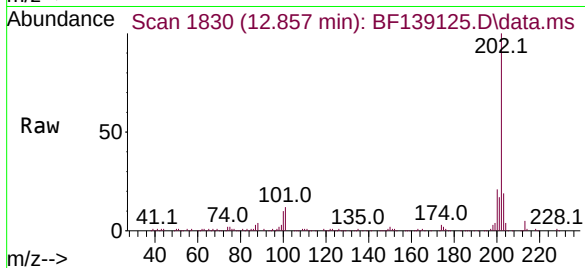
Tgt Ion:202 Resp: 128323

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

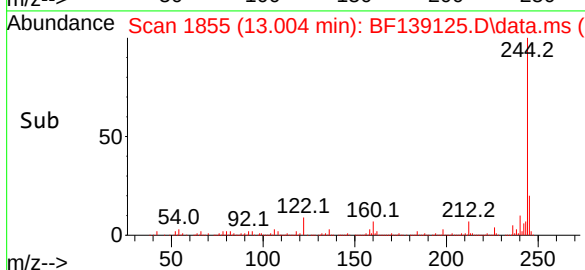
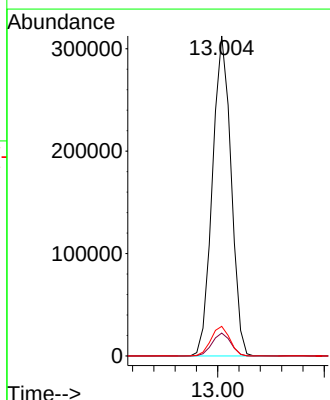
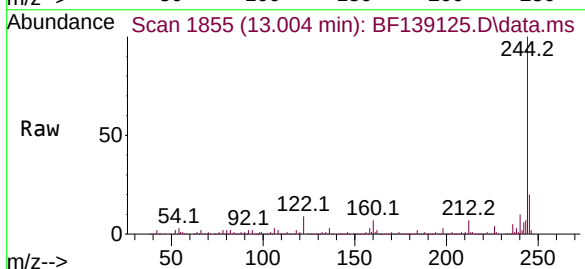
Tgt Ion:244 Resp: 379299

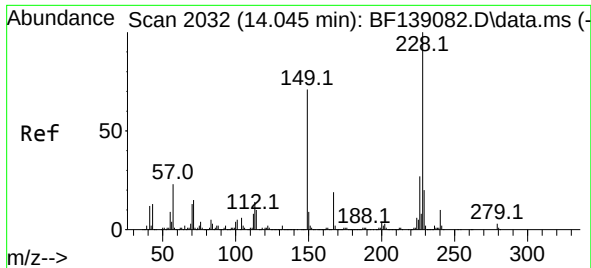
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.3 7.6 11.4

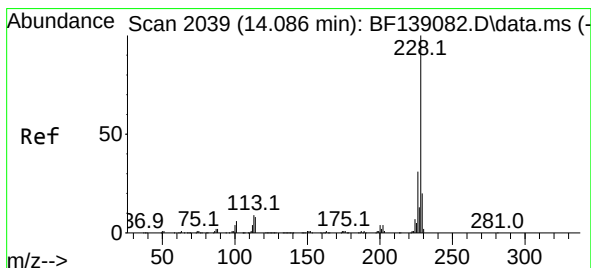
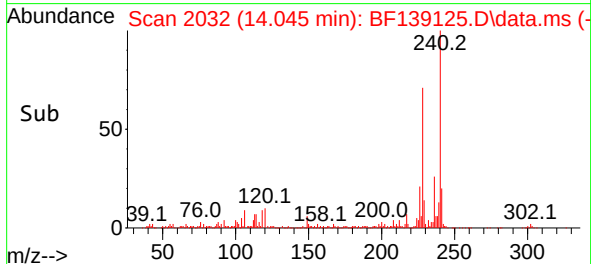
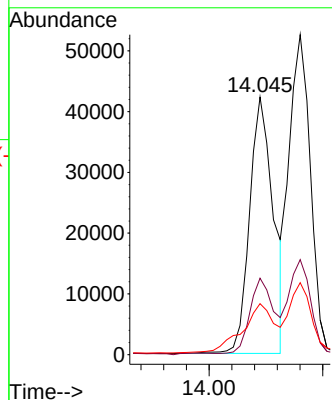
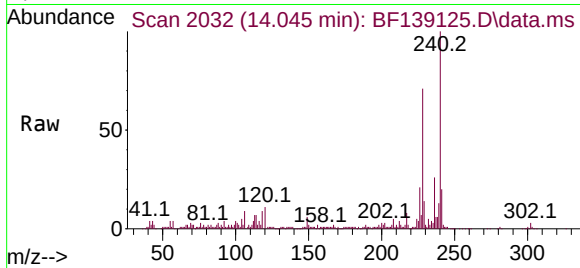




#81
Benzo(a)anthracene
Concen: 5.665 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

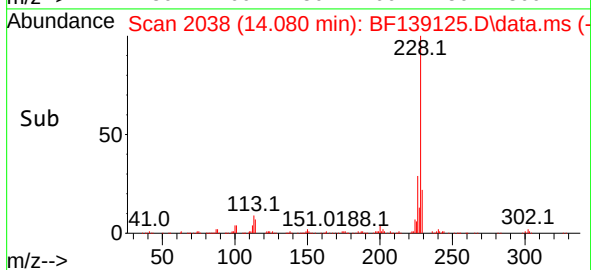
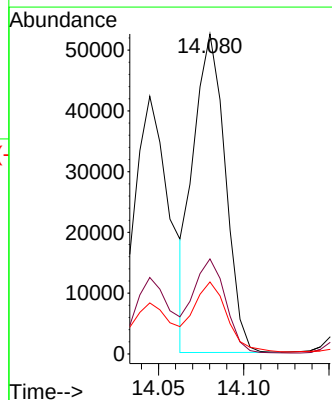
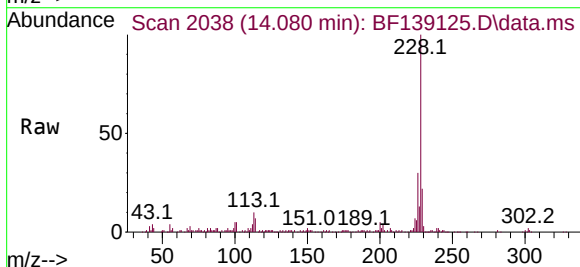
Instrument :
BNA_F
ClientSampleId :
S-907-K1-0-0.5-081524

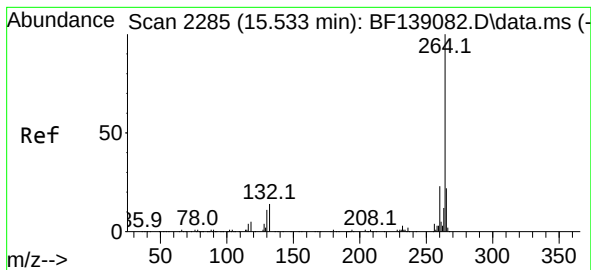
Tgt Ion:228 Resp: 61311
Ion Ratio Lower Upper
228 100
226 29.7 21.9 32.9
229 19.8 16.1 24.1



#83
Chrysene
Concen: 6.913 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139125.D
Acq: 22 Aug 2024 16:21

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# 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

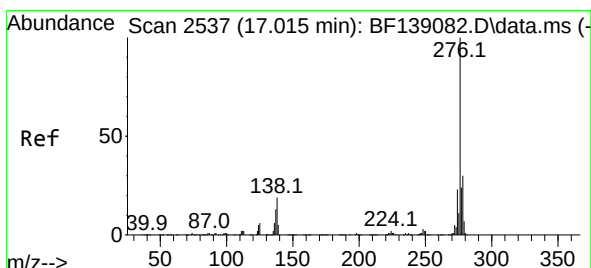
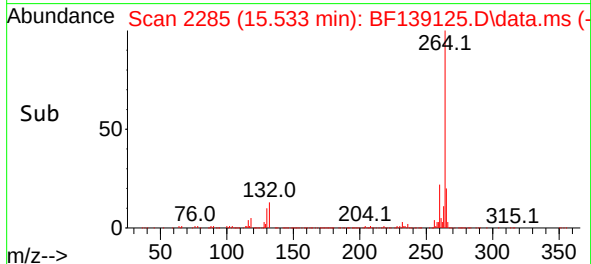
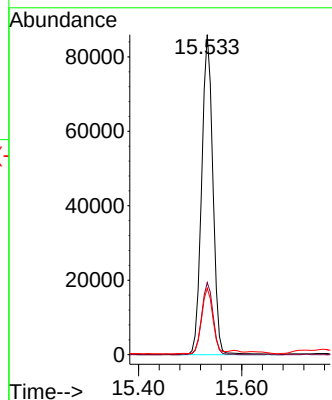
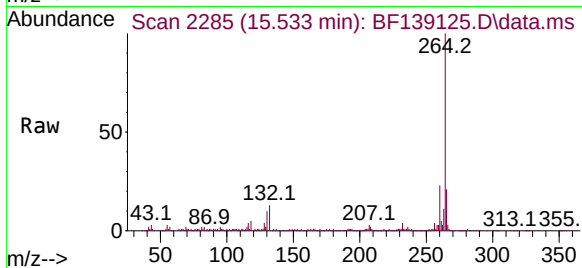
Tgt Ion:264 Resp: 129640

Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

265 20.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.653 ng m

RT: 17.009 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

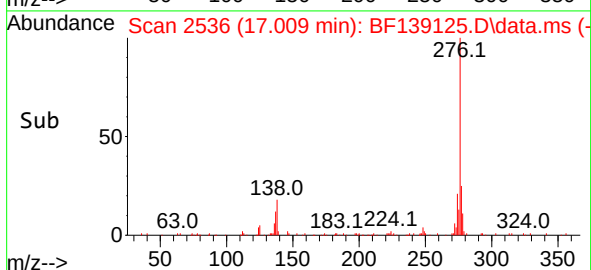
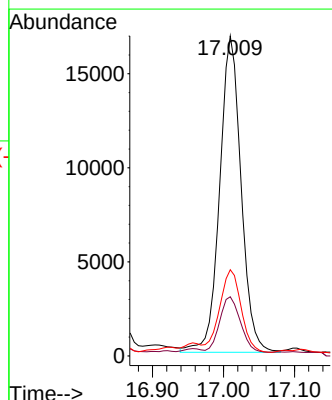
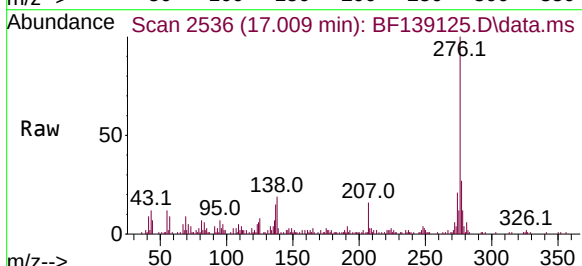
Tgt Ion:276 Resp: 35305

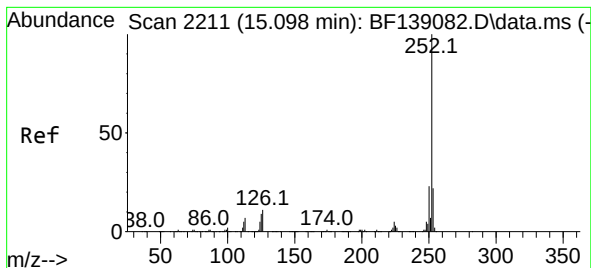
Ion Ratio Lower Upper

276 100

138 4.2 17.3 25.9#

277 4.9 20.2 30.4#





#88

Benzo(b)fluoranthene

Concen: 10.121 ng m

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

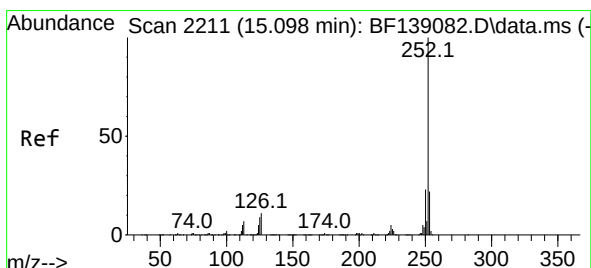
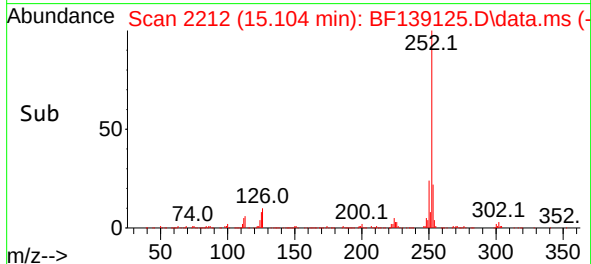
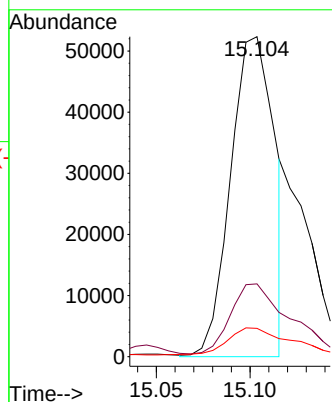
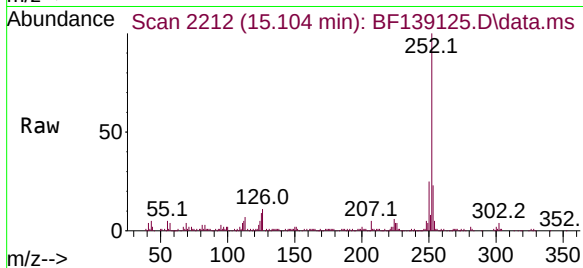
Tgt Ion:252 Resp: 85539

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: 4.339 ng m

RT: 15.115 min Scan# 2214

Delta R.T. -0.018 min

Lab File: BF139125.D

Acq: 22 Aug 2024 16:21

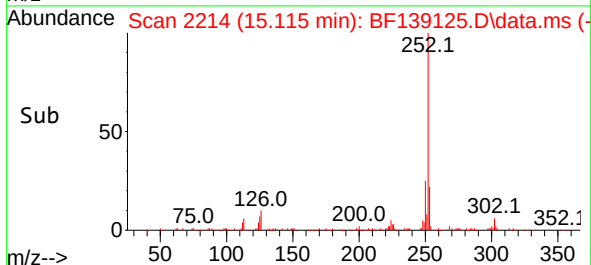
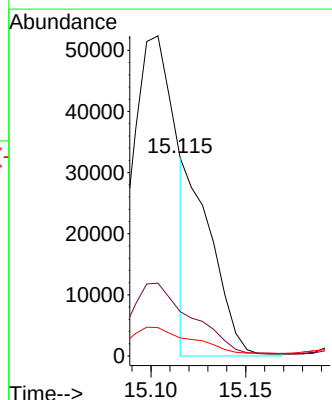
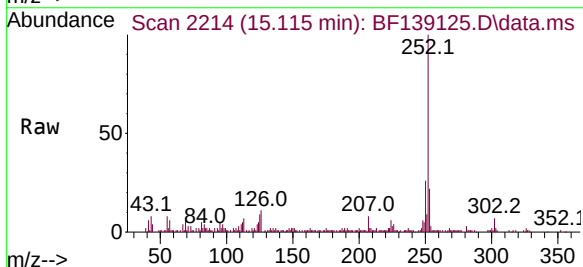
Tgt Ion:252 Resp: 30545

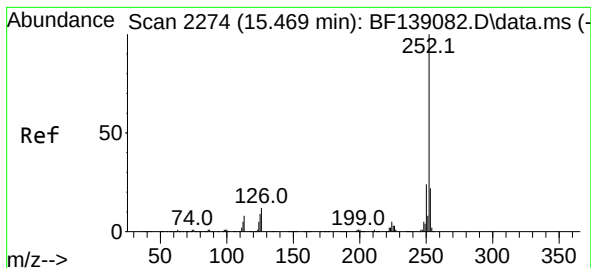
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 9.1 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

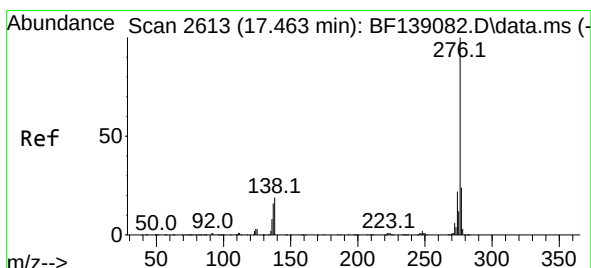
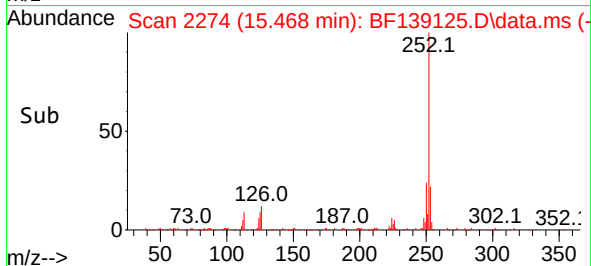
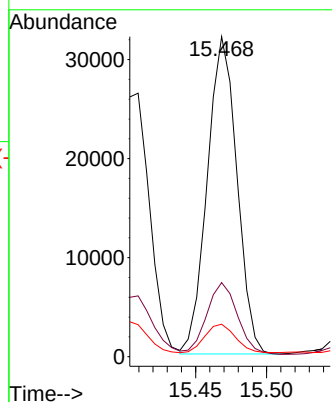
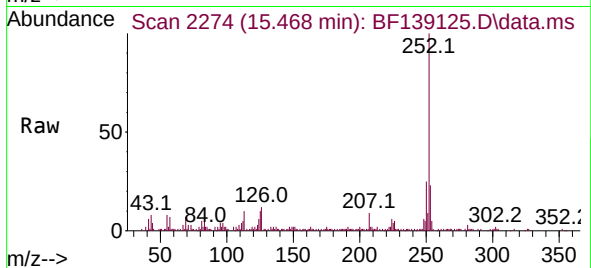
Tgt Ion:252 Resp: 46584

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

