

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139117.D
 Acq On : 22 Aug 2024 12:22
 Operator : RC/JU
 Sample : P3641-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-908-K1-0.5-1.0-081524

Quant Time: Aug 22 13:01:13 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)

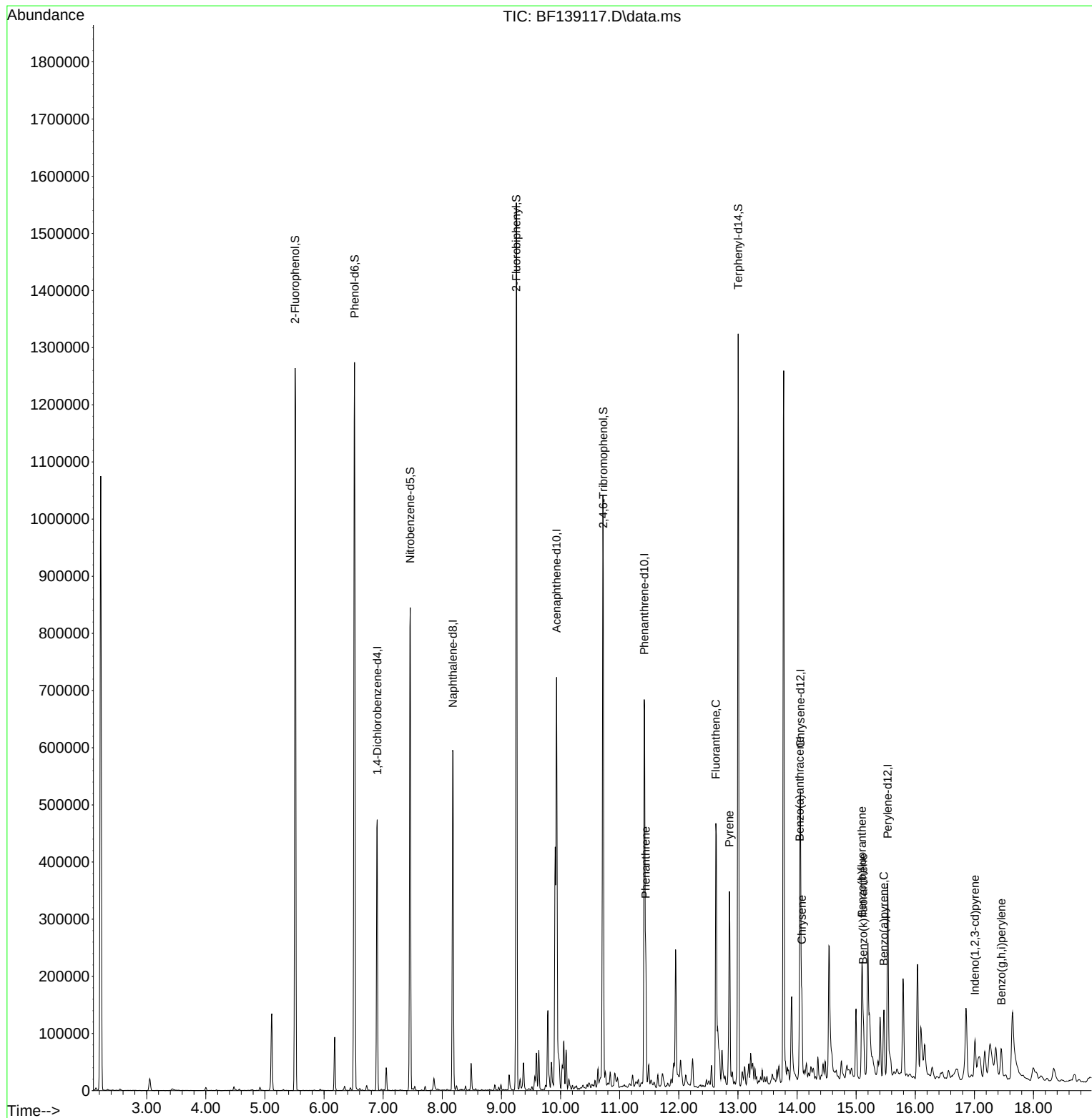
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93720	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	354044	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	202983	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	344082	20.000	ng	0.00
76) Chrysene-d12	14.057	240	188310	20.000	ng	0.00
86) Perylene-d12	15.533	264	190875	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	428856	70.402	ng	0.00
7) Phenol-d6	6.516	99	569005	72.290	ng	0.00
23) Nitrobenzene-d5	7.457	82	377304	62.098	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	147955	80.516	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	655934	51.271	ng	0.00
79) Terphenyl-d14	13.004	244	610234	53.771	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	117740	6.732	ng	99
75) Fluoranthene	12.627	202	247018	13.233	ng	99
78) Pyrene	12.857	202	187534	11.934	ng	99
81) Benzo(a)anthracene	14.045	228	76776	6.202	ng	99
83) Chrysene	14.080	228	81101	7.228	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	51485	4.609	ng	97
88) Benzo(b)fluoranthene	15.098	252	127885m	10.277	ng	
89) Benzo(k)fluoranthene	15.115	252	41660m	4.020	ng	
90) Benzo(a)pyrene	15.468	252	65339	6.645	ng	99
92) Benzo(g,h,i)perylene	17.457	276	47996	7.109	ng	99

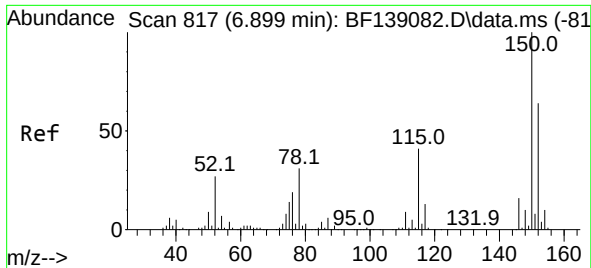
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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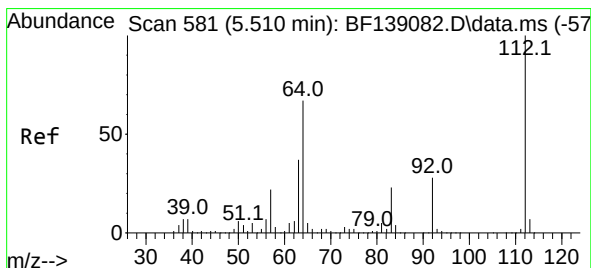
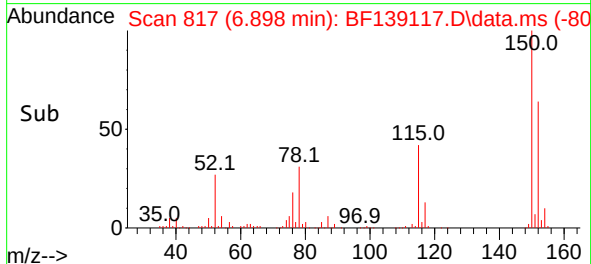
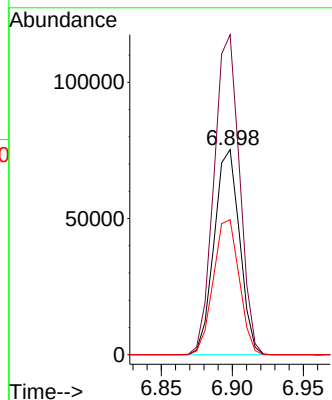
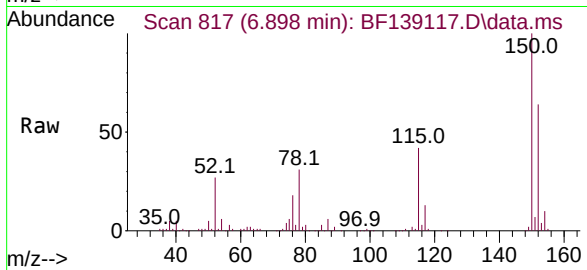




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

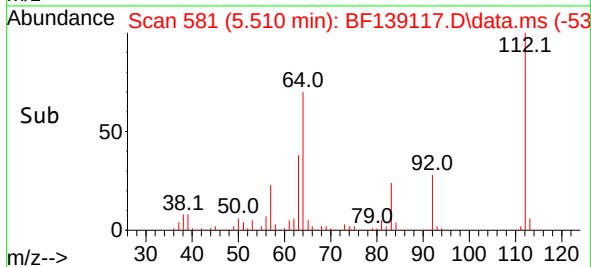
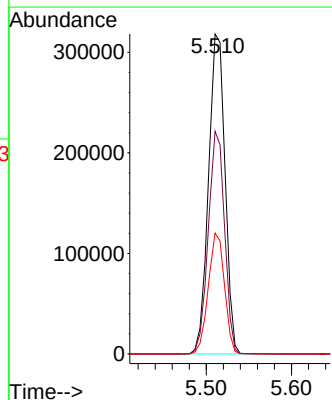
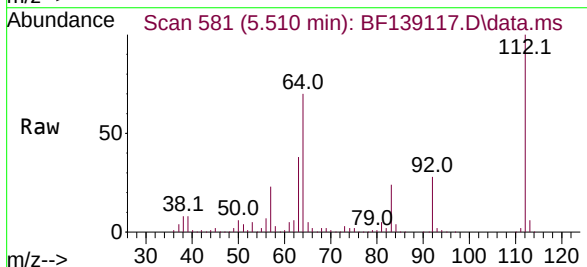
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0.5-1.0-081524

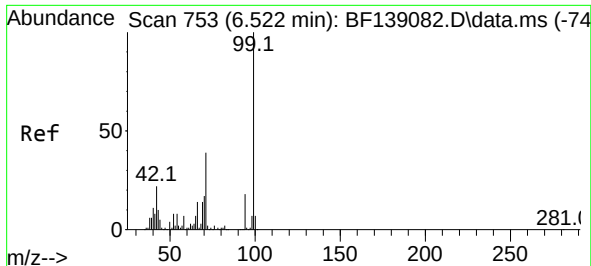
Tgt Ion:152 Resp: 93720
Ion Ratio Lower Upper
152 100
150 156.0 125.1 187.7
115 65.8 51.8 77.6



#5
2-Fluorophenol
Concen: 70.402 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:112 Resp: 428856
Ion Ratio Lower Upper
112 100
64 69.6 53.8 80.6
63 37.8 29.4 44.2

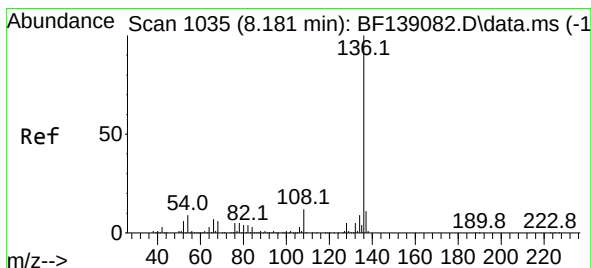
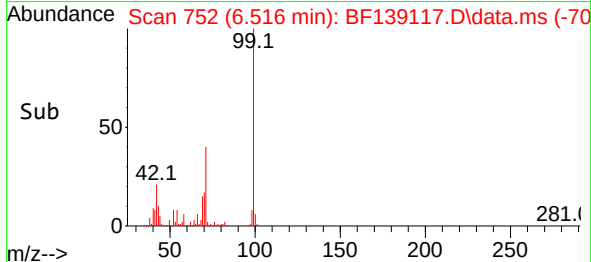
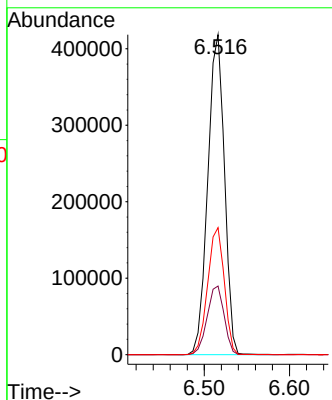
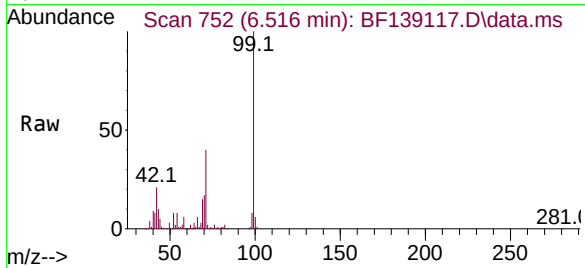




#7
Phenol-d6
Concen: 72.290 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

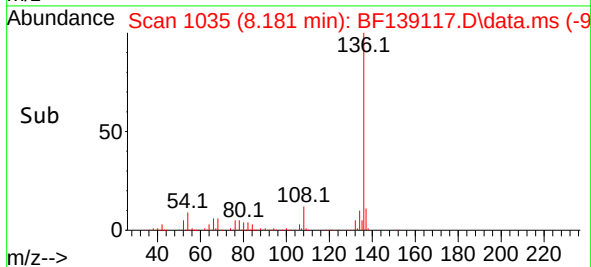
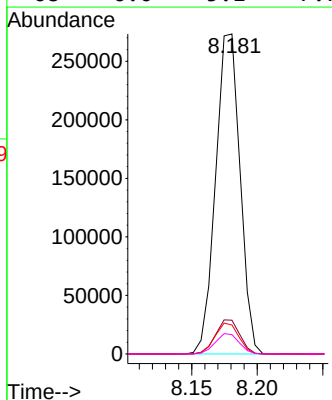
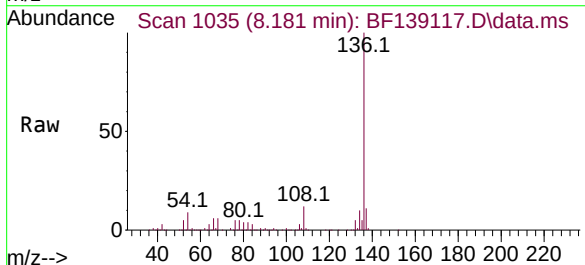
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0.5-1.0-081524

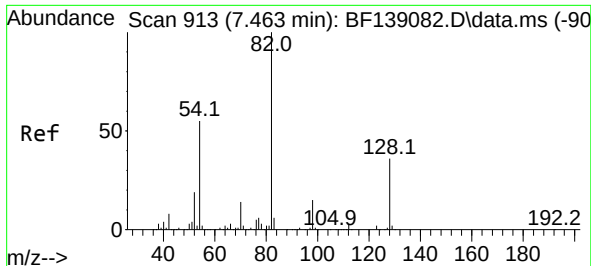
Tgt Ion: 99 Resp: 569005
Ion Ratio Lower Upper
99 100
42 21.5 17.4 26.2
71 39.7 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion: 136 Resp: 354044
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 9.1 7.6 11.4
68 6.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 62.098 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139117.D

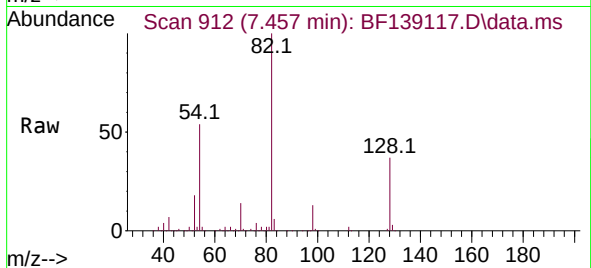
Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524



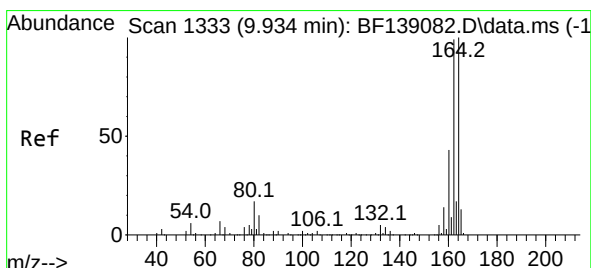
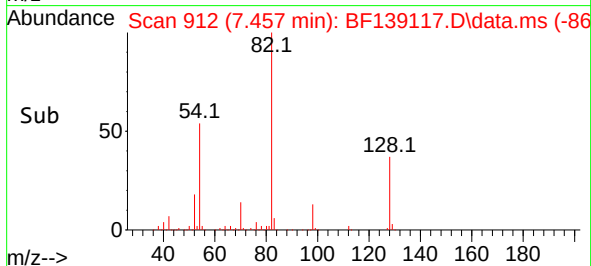
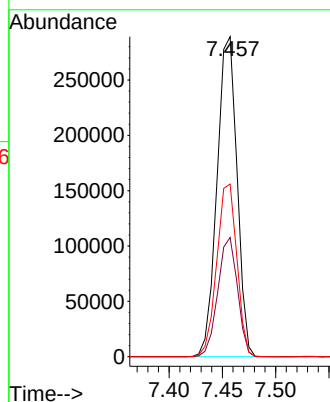
Tgt Ion: 82 Resp: 377304

Ion Ratio Lower Upper

82 100

128 37.3 29.0 43.4

54 54.0 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: BF139117.D

Acq: 22 Aug 2024 12:22

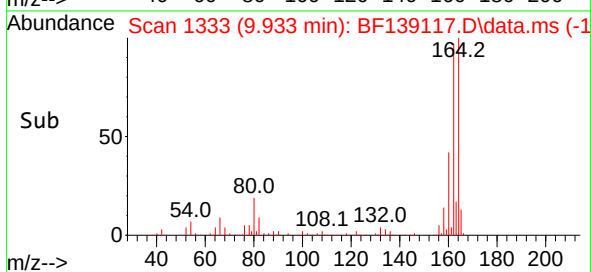
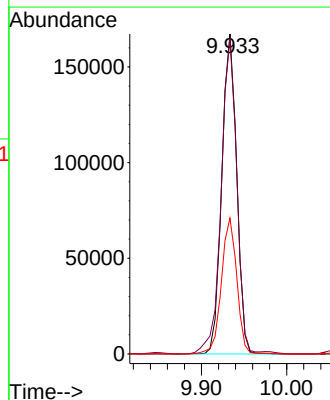
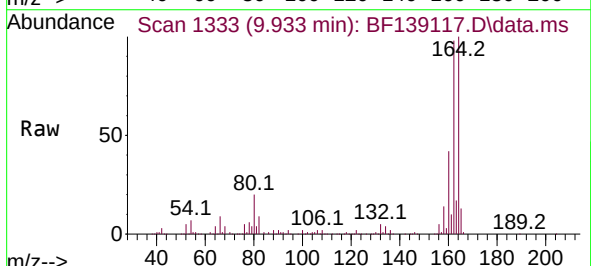
Tgt Ion: 164 Resp: 202983

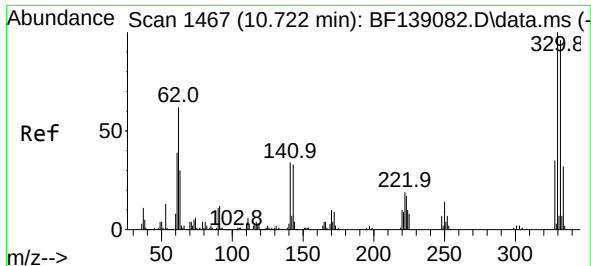
Ion Ratio Lower Upper

164 100

162 98.4 79.5 119.3

160 42.5 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 80.516 ng

RT: 10.722 min Scan# 1467

Delta R.T. -0.000 min

Lab File: BF139117.D

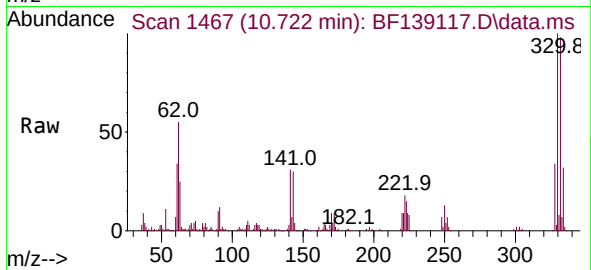
Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524



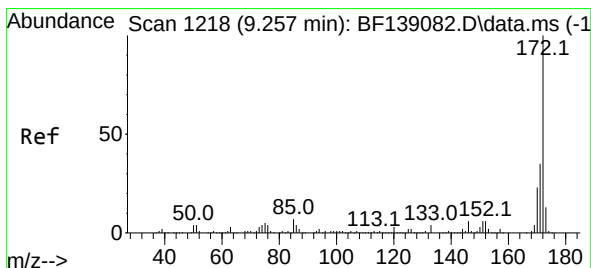
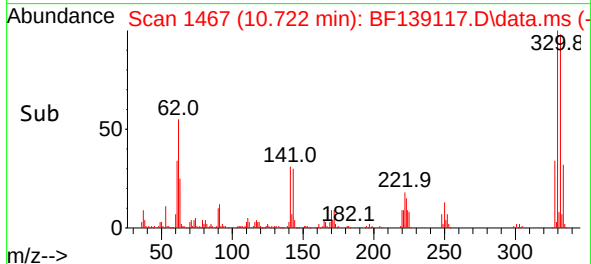
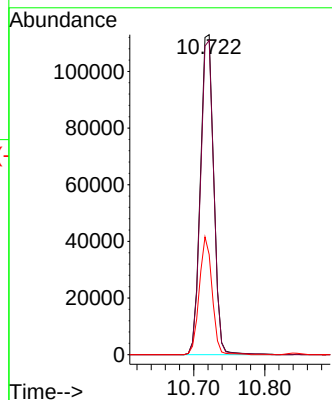
Tgt Ion:330 Resp: 147955

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

141 35.3 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 51.271 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

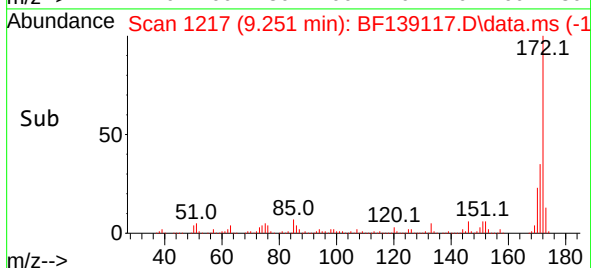
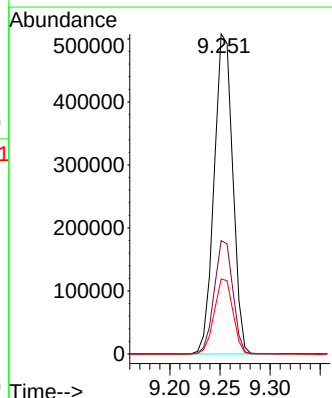
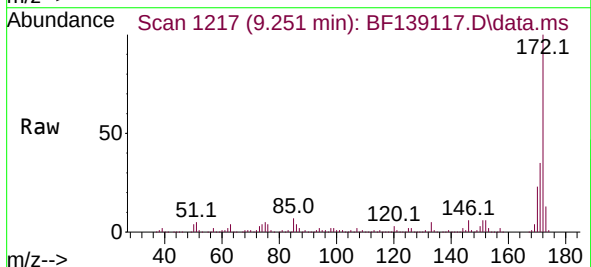
Tgt Ion:172 Resp: 655934

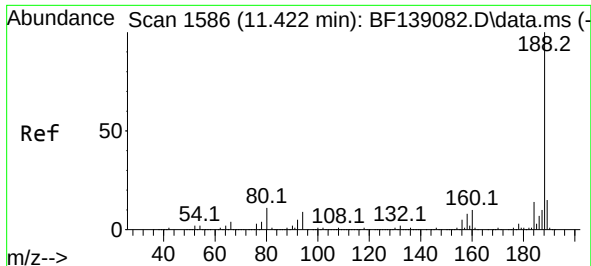
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.5 18.8 28.2

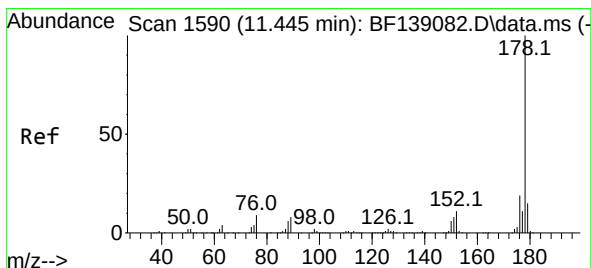
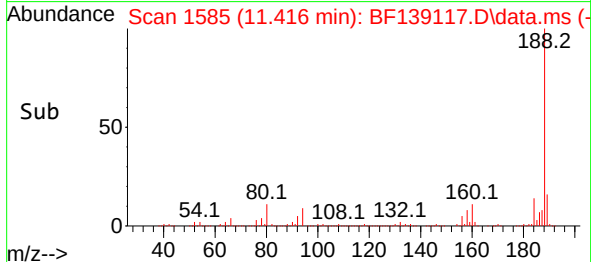
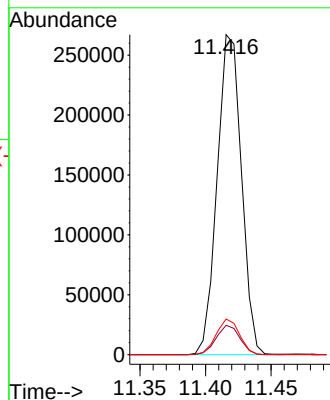
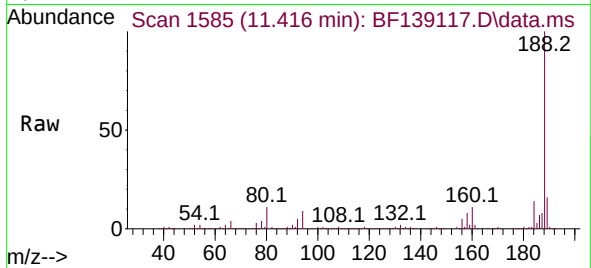




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

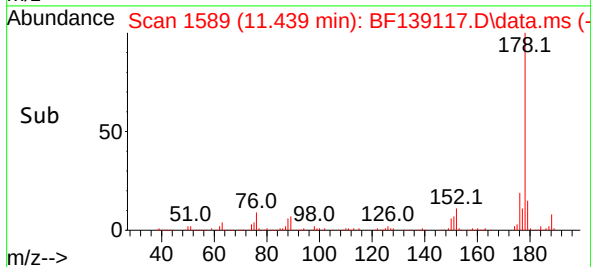
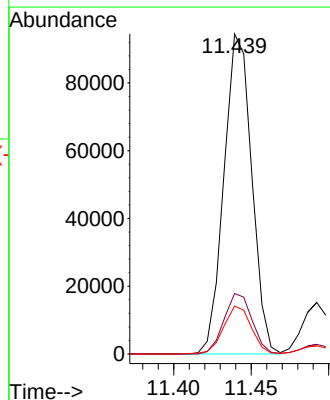
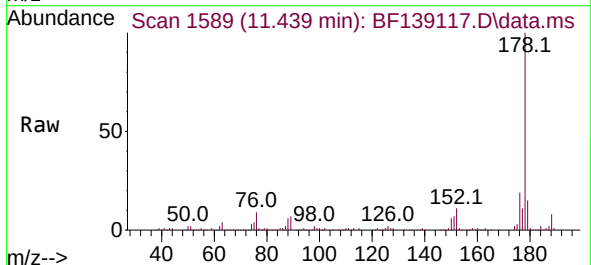
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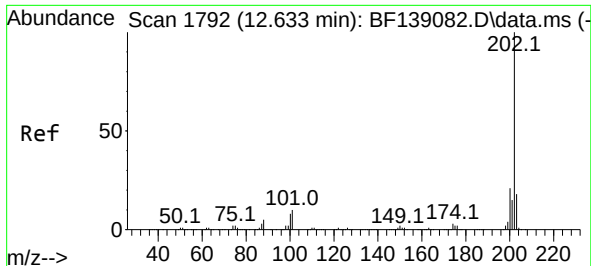
Tgt Ion:188 Resp: 344082
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 11.2 8.5 12.7



#71
Phenanthrene
Concen: 6.732 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:178 Resp: 117740
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.0 12.3 18.5

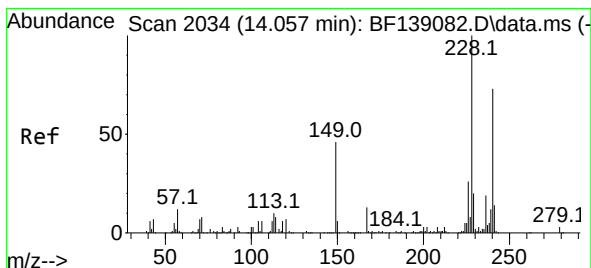
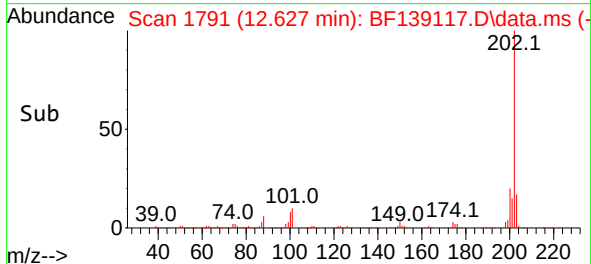
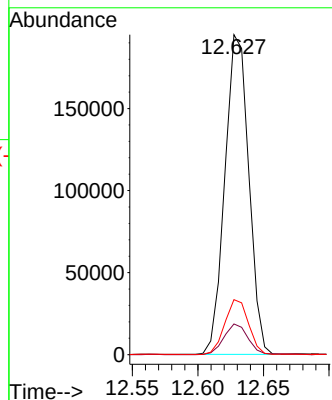
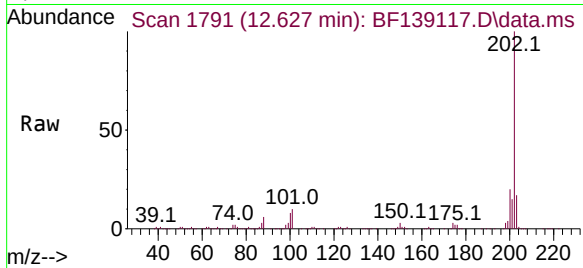




#75
Fluoranthene
Concen: 13.233 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

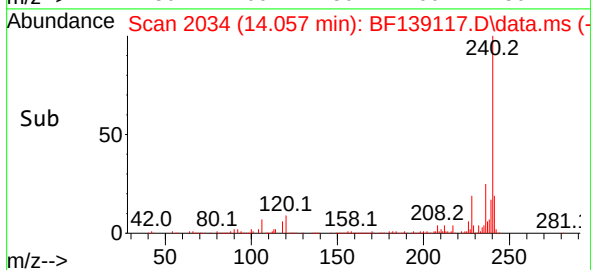
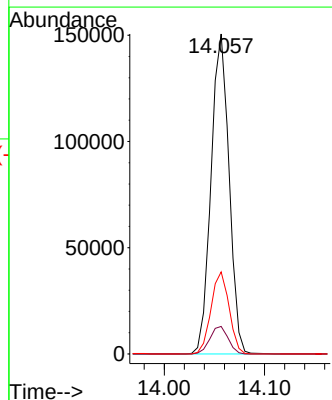
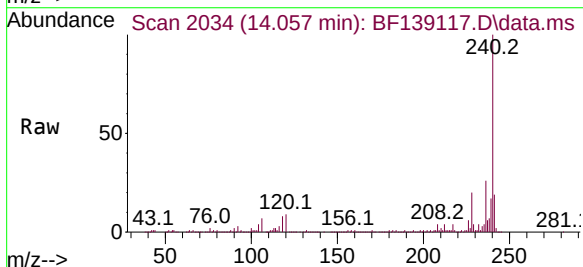
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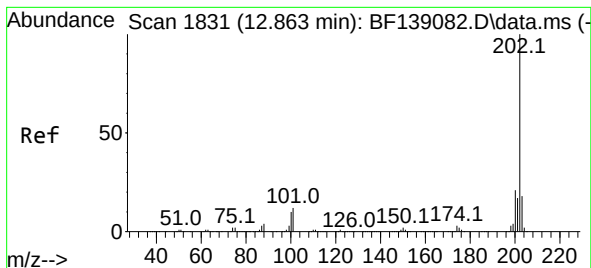
Tgt Ion:202 Resp: 247018
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.2
203 17.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:240 Resp: 188310
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 25.7 20.9 31.3





#78

Pyrene

Concen: 11.934 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524

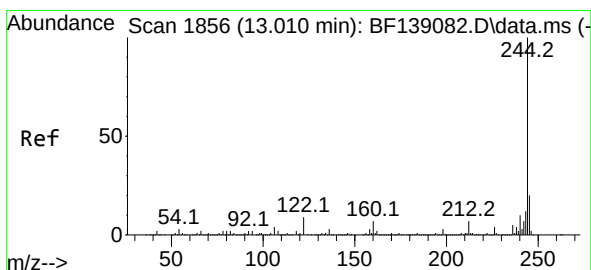
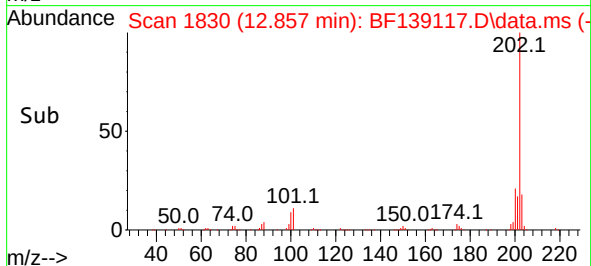
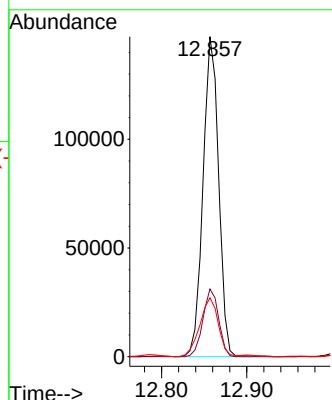
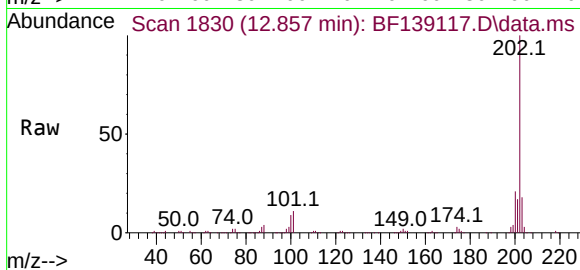
Tgt Ion:202 Resp: 187534

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 53.771 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

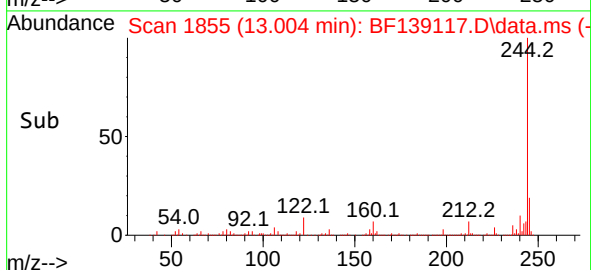
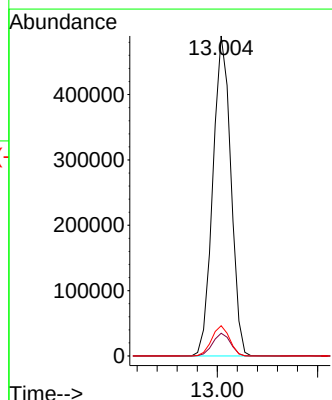
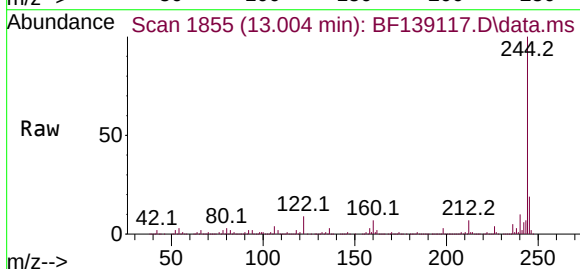
Tgt Ion:244 Resp: 610234

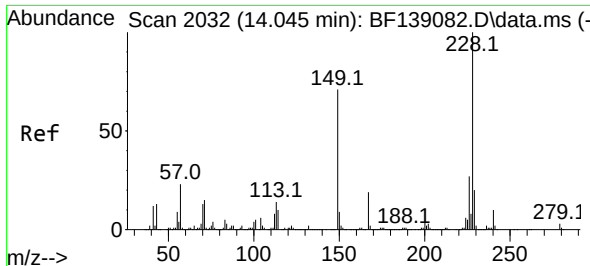
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.4 7.6 11.4

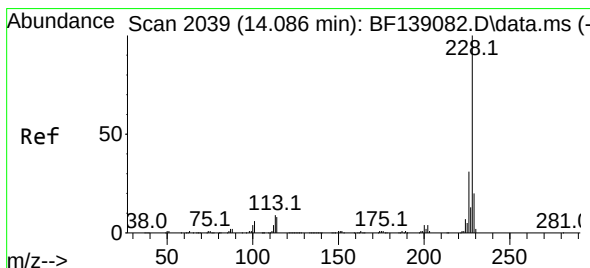
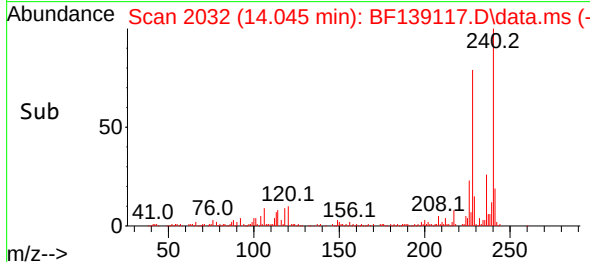
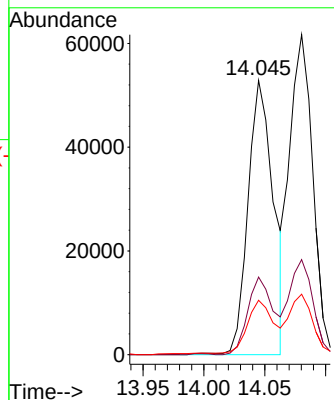
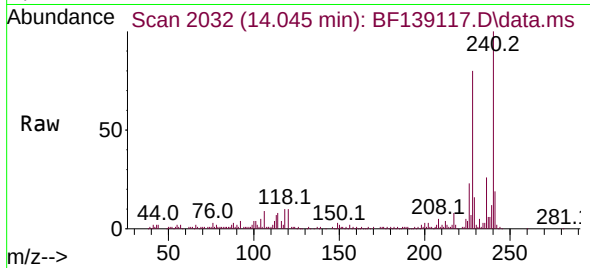




#81
Benzo(a)anthracene
Concen: 6.202 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

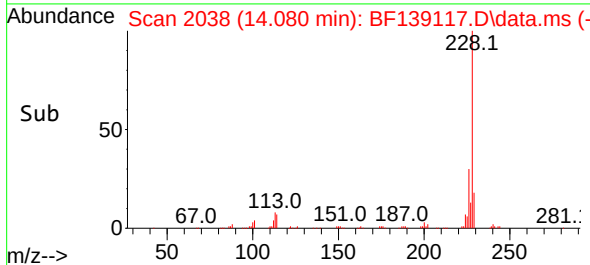
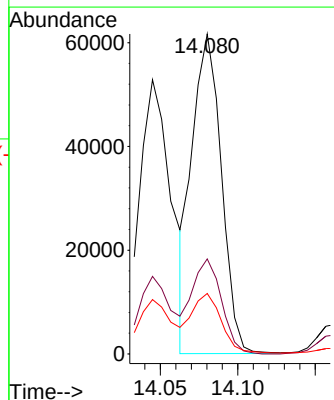
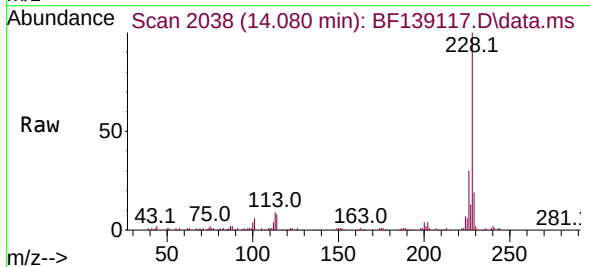
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0.5-1.0-081524

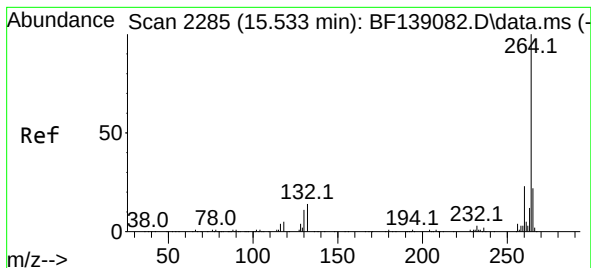
Tgt Ion:228 Resp: 76776
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 19.8 16.1 24.1



#83
Chrysene
Concen: 7.228 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:228 Resp: 81101
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 18.9 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: BF139117.D

Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524

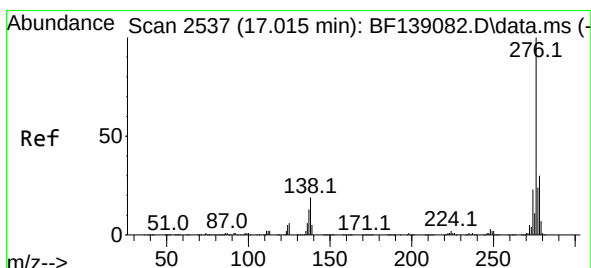
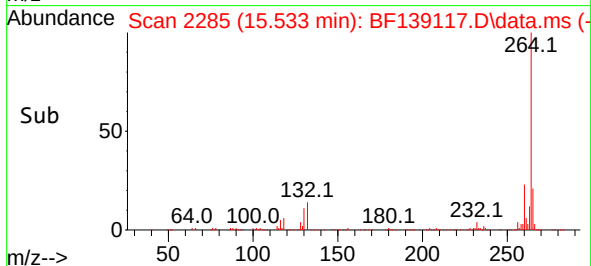
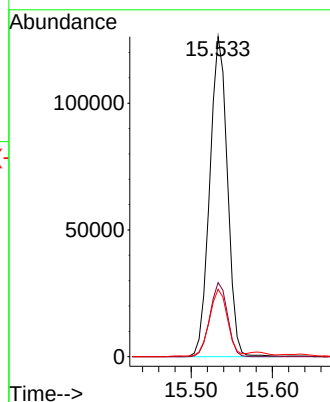
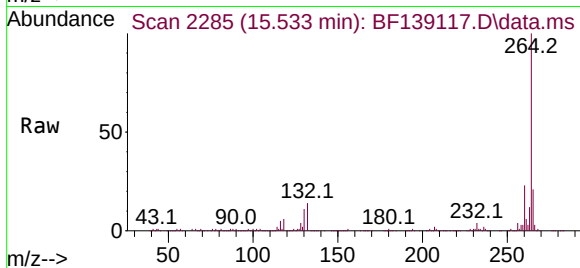
Tgt Ion:264 Resp: 190875

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.1 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.609 ng

RT: 17.009 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

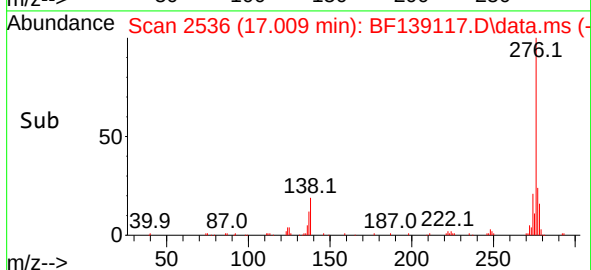
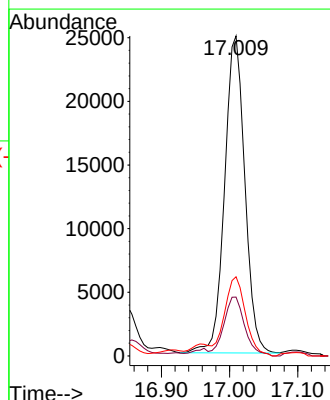
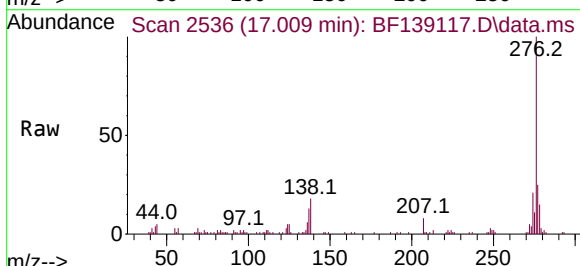
Tgt Ion:276 Resp: 51485

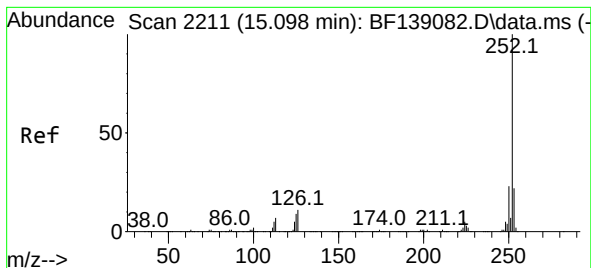
Ion Ratio Lower Upper

276 100

138 19.2 17.3 25.9

277 25.7 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 10.277 ng m

RT: 15.098 min Scan# 2114

Delta R.T. -0.000 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524

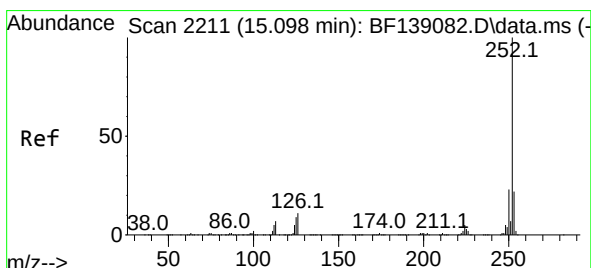
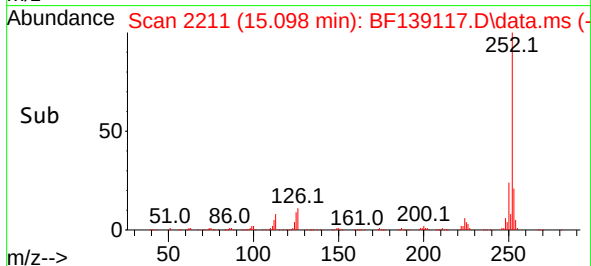
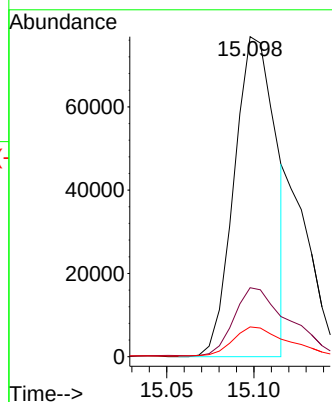
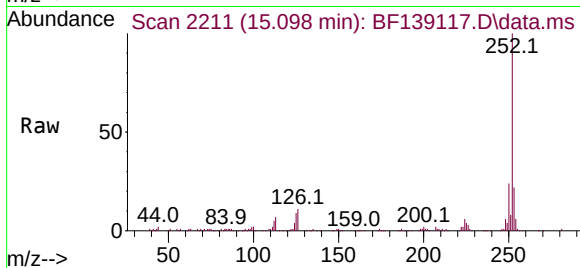
Tgt Ion:252 Resp: 127885

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 9.3 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 4.020 ng m

RT: 15.115 min Scan# 2214

Delta R.T. -0.018 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

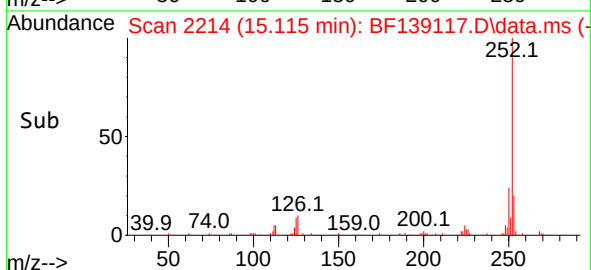
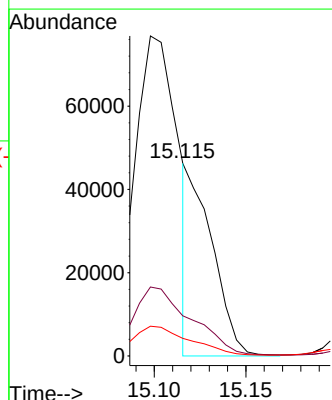
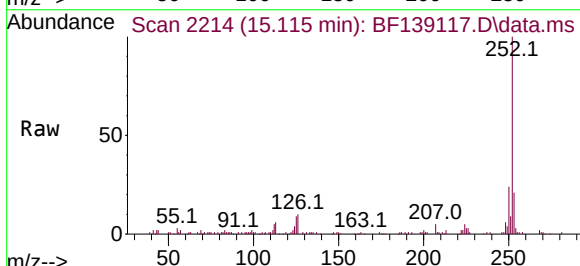
Tgt Ion:252 Resp: 41660

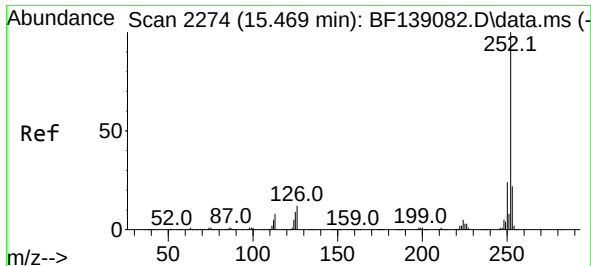
Ion Ratio Lower Upper

252 100

253 20.8 17.4 26.2

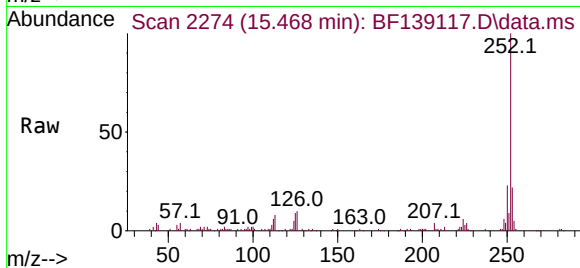
125 9.1 7.0 10.6



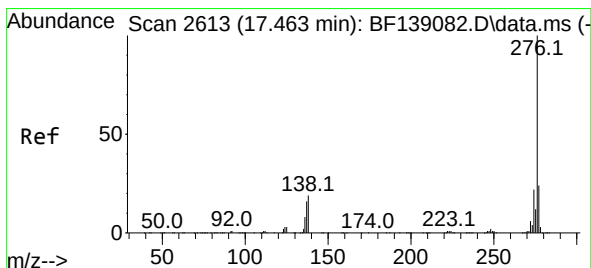
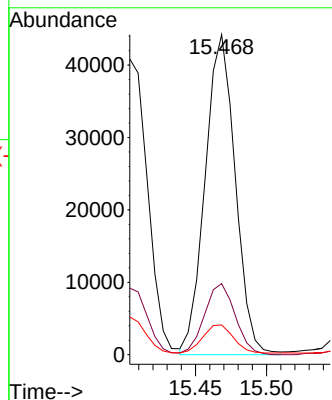
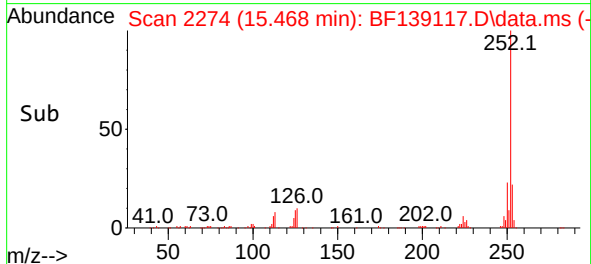


#90
Benzo(a)pyrene
Concen: 6.645 ng
RT: 15.468 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Instrument :
BNA_F
ClientSampleId :
S-908-K1-0.5-1.0-081524



Tgt Ion:252 Resp: 65339
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 9.3 7.4 11.2



#92
Benzo(g,h,i)perylene
Concen: 7.109 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:276 Resp: 47996
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 17.6 15.0 22.4

