

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139134.D
 Acq On : 22 Aug 2024 20:50
 Operator : RC/JU
 Sample : P3641-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-910-K1-0-0.5-081524

Quant Time: Aug 23 00:36:56 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)

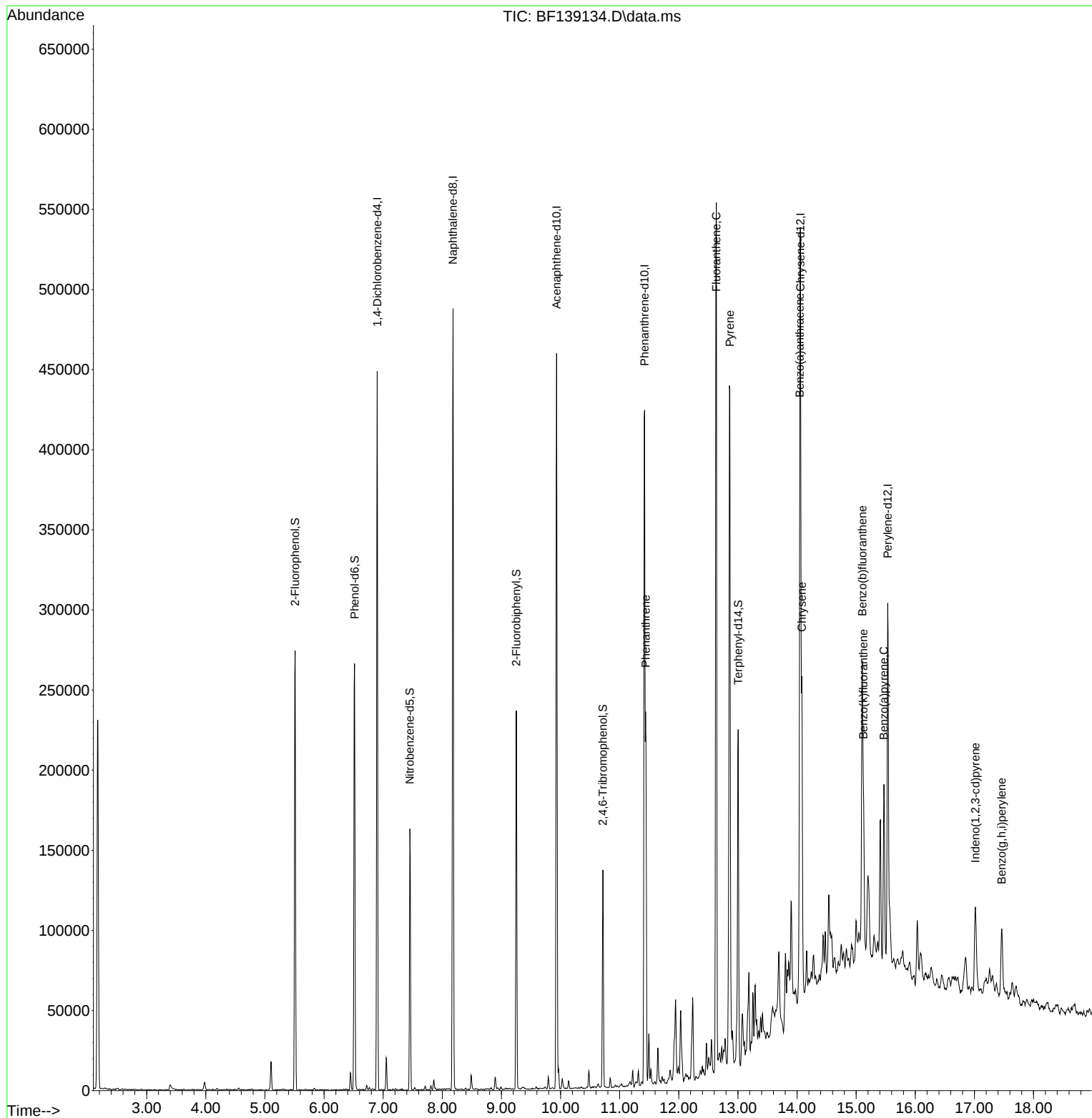
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	83526	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	273659	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	129835	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	217183	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157613	20.000	ng	0.00
86) Perylene-d12	15.533	264	127168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	90043	16.586	ng	0.00
7) Phenol-d6	6.516	99	110215	15.711	ng	0.00
23) Nitrobenzene-d5	7.451	82	67236	14.316	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	19503	16.593	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	94297	11.523	ng	0.00
79) Terphenyl-d14	13.004	244	92213	9.708	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	115853	10.495	ng	98
75) Fluoranthene	12.633	202	297894	25.283	ng	99
78) Pyrene	12.863	202	237663	18.069	ng	99
81) Benzo(a)anthracene	14.045	228	105040	10.138	ng	99
83) Chrysene	14.080	228	98357	10.473	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	40963	5.504	ng	97
88) Benzo(b)fluoranthene	15.104	252	122869m	14.820	ng	
89) Benzo(k)fluoranthene	15.121	252	31026m	4.493	ng	
90) Benzo(a)pyrene	15.468	252	63794	9.738	ng	97
92) Benzo(g,h,i)perylene	17.462	276	38193	7.948	ng	99

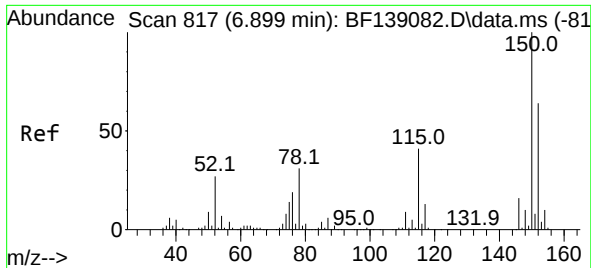
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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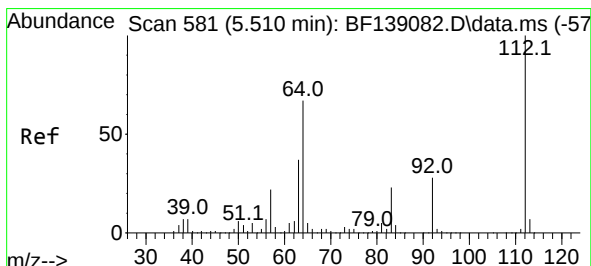
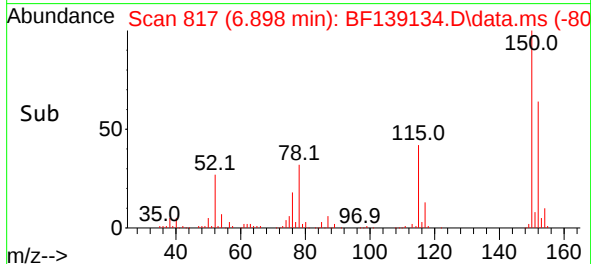
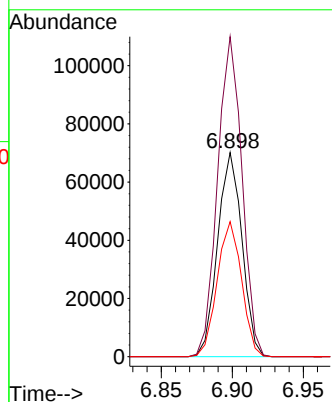
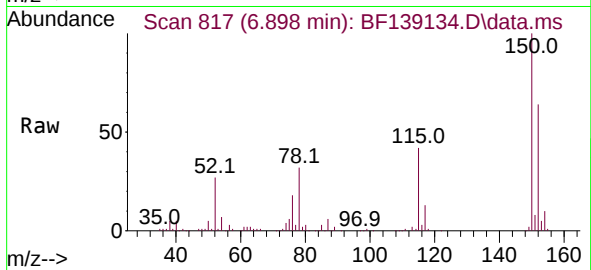




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

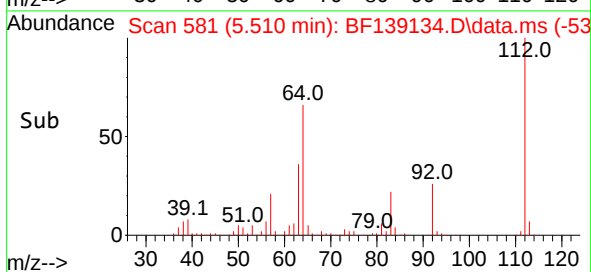
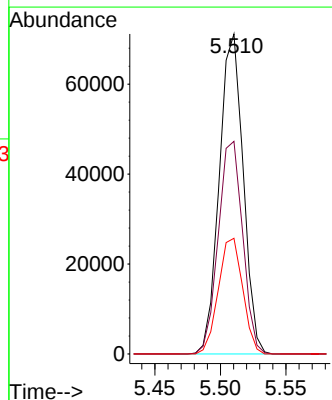
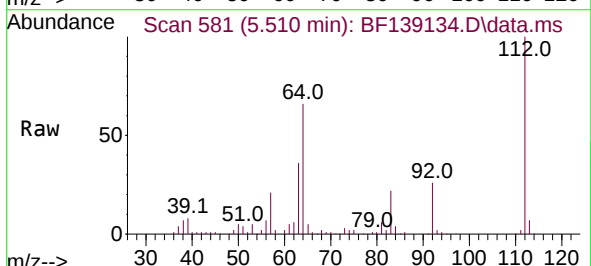
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

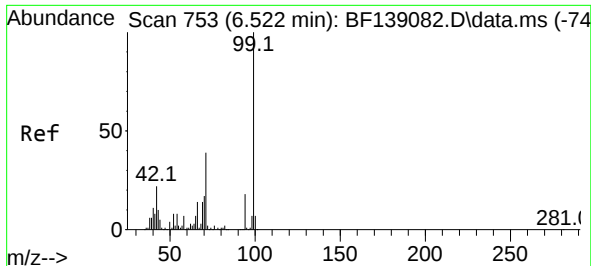
Tgt Ion:152 Resp: 83526
Ion Ratio Lower Upper
152 100
150 156.8 125.1 187.7
115 66.1 51.8 77.6



#5
2-Fluorophenol
Concen: 16.586 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:112 Resp: 90043
Ion Ratio Lower Upper
112 100
64 66.4 53.8 80.6
63 36.2 29.4 44.2





#7

Phenol-d6

Concen: 15.711 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF139134.D

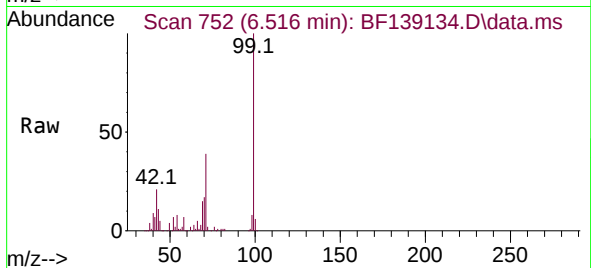
Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524



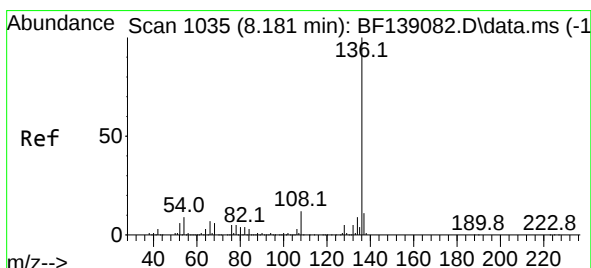
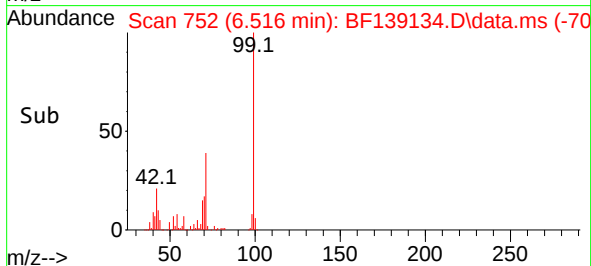
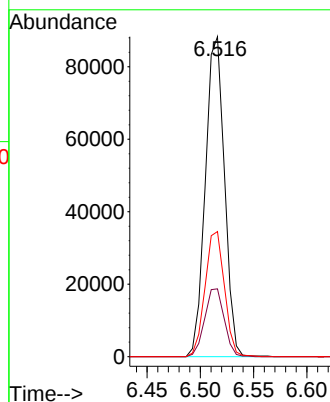
Tgt Ion: 99 Resp: 110215

Ion Ratio Lower Upper

99 100

42 21.2 17.4 26.2

71 39.1 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: BF139134.D

Acq: 22 Aug 2024 20:50

Tgt Ion: 136 Resp: 273659

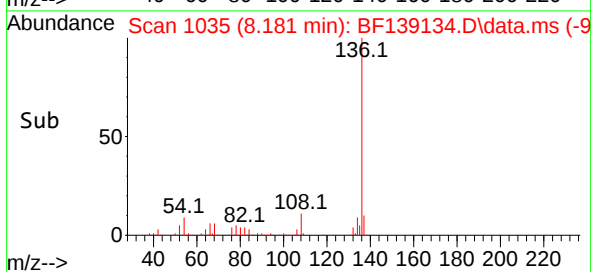
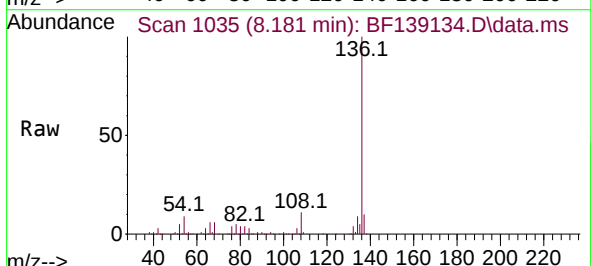
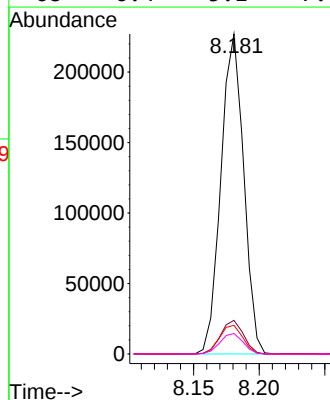
Ion Ratio Lower Upper

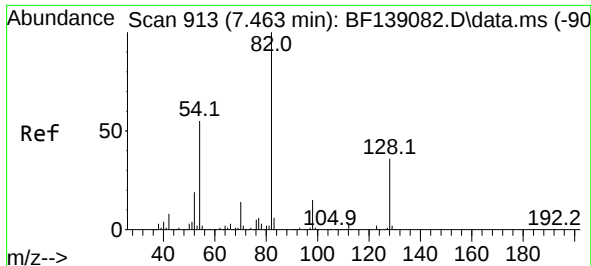
136 100

137 10.5 8.7 13.1

54 9.0 7.6 11.4

68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 14.316 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139134.D

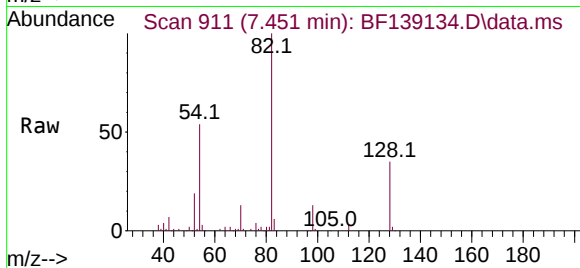
Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524



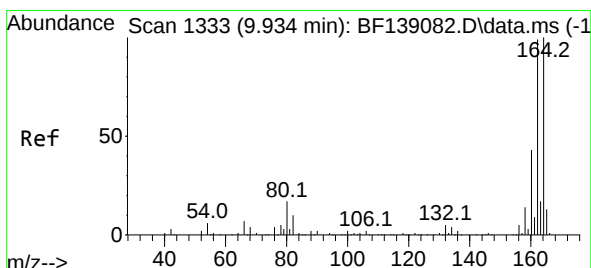
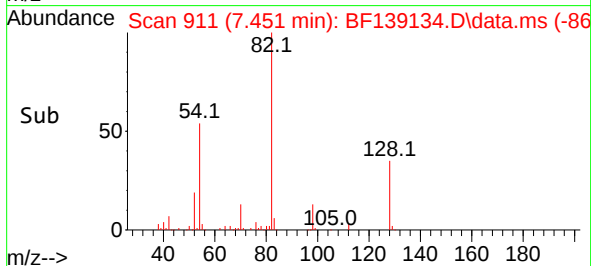
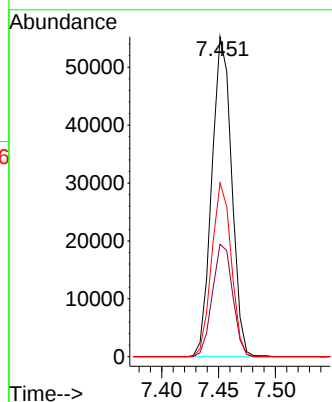
Tgt Ion: 82 Resp: 67236

Ion Ratio Lower Upper

82 100

128 35.2 29.0 43.4

54 54.3 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

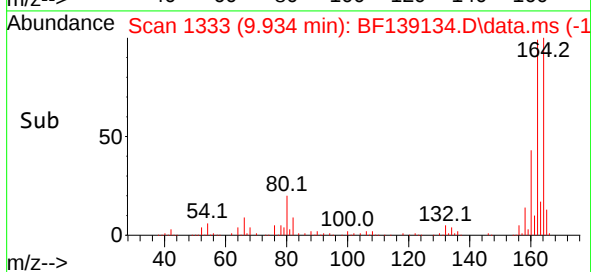
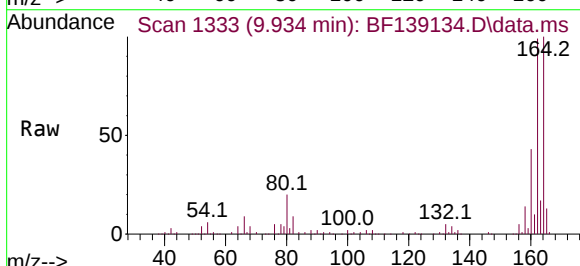
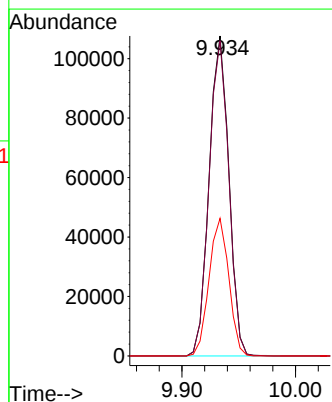
Tgt Ion: 164 Resp: 129835

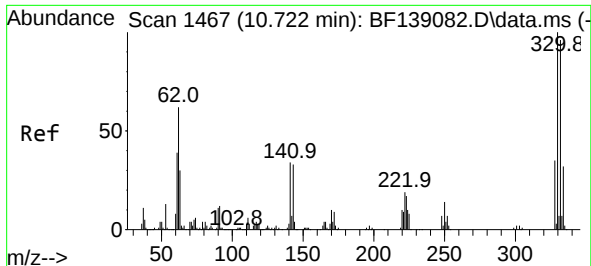
Ion Ratio Lower Upper

164 100

162 98.6 79.5 119.3

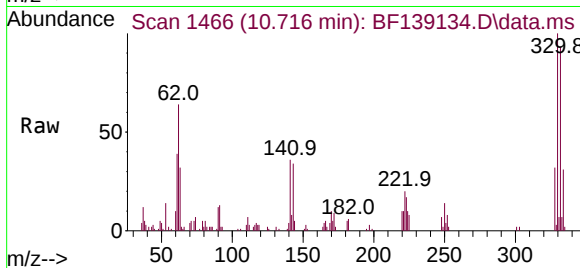
160 43.0 34.5 51.7



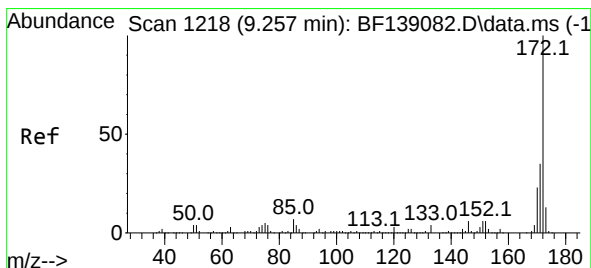
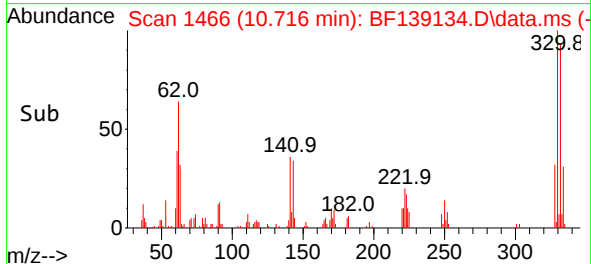
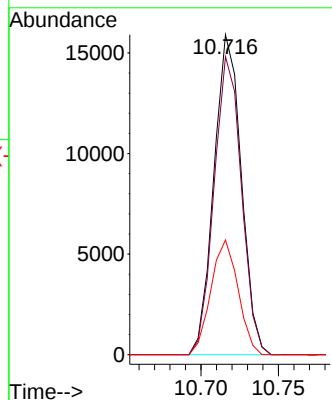


#42
2,4,6-Tribromophenol
Concen: 16.593 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Instrument :
BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

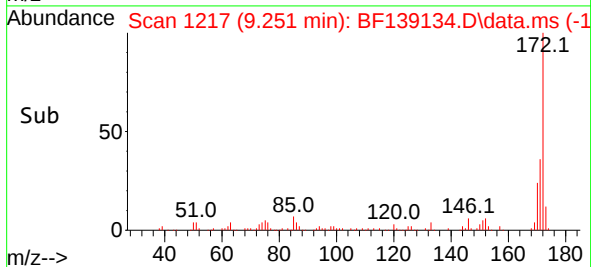
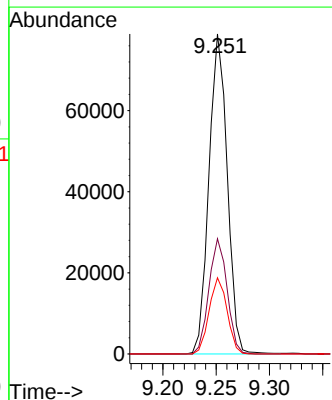
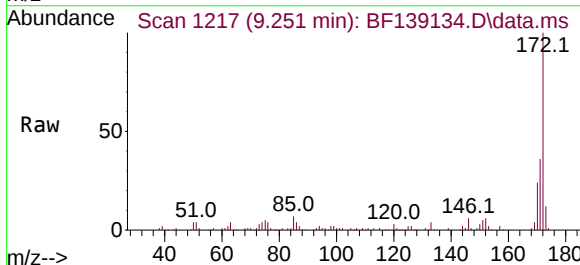


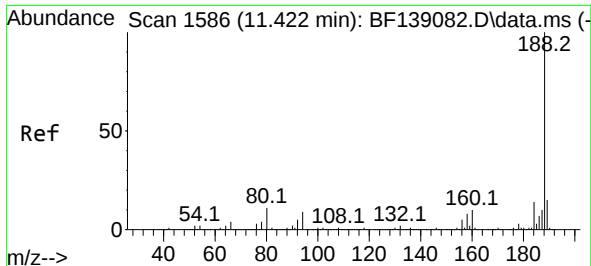
Tgt Ion: 330 Resp: 19503
Ion Ratio Lower Upper
330 100
332 93.1 77.0 115.6
141 35.7 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 11.523 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion: 172 Resp: 94297
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 23.8 18.8 28.2

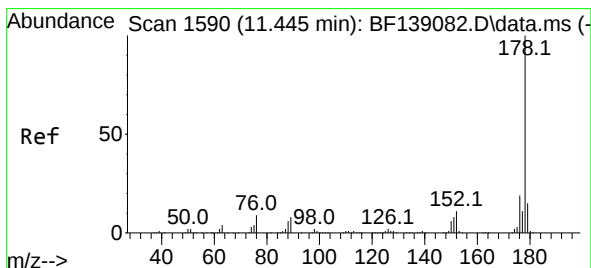
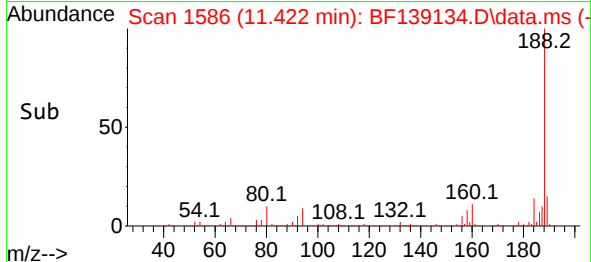
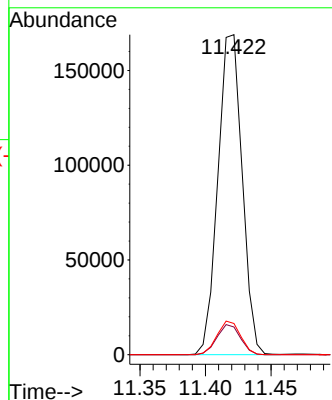
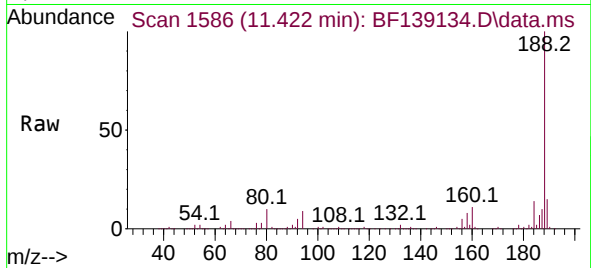




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

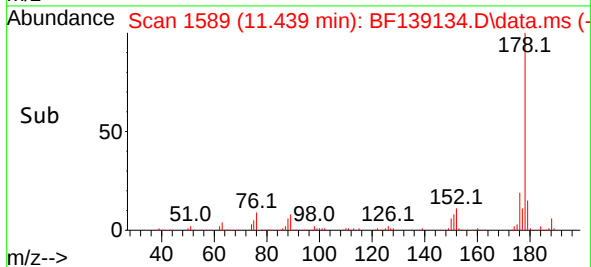
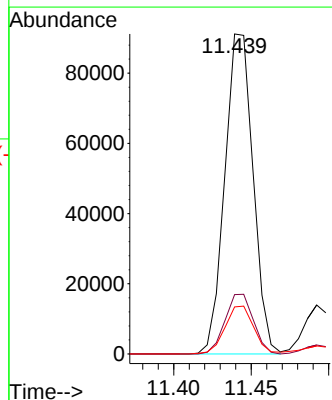
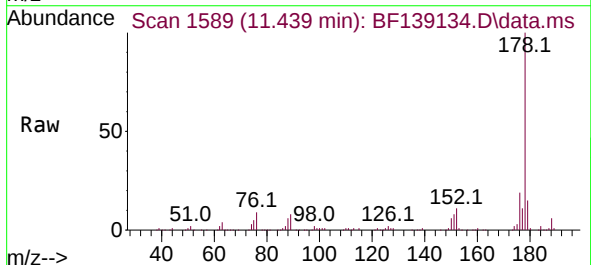
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BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

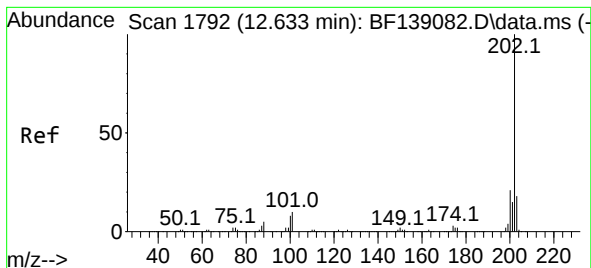
Tgt Ion:188 Resp: 217183
Ion Ratio Lower Upper
188 100
94 8.6 7.2 10.8
80 9.8 8.5 12.7



#71
Phenanthrene
Concen: 10.495 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:178 Resp: 115853
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 14.7 12.3 18.5





#75

Fluoranthene

Concen: 25.283 ng

RT: 12.633 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524

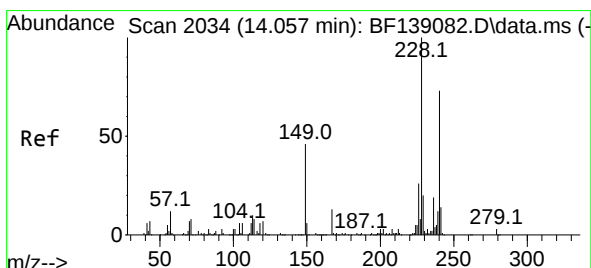
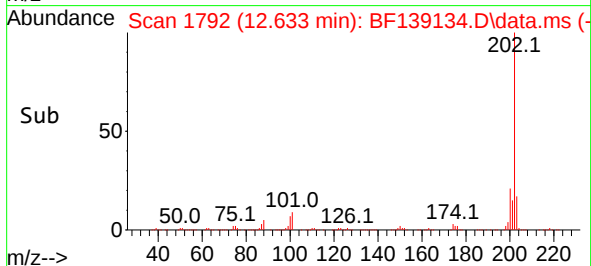
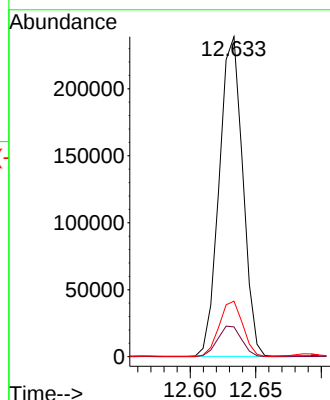
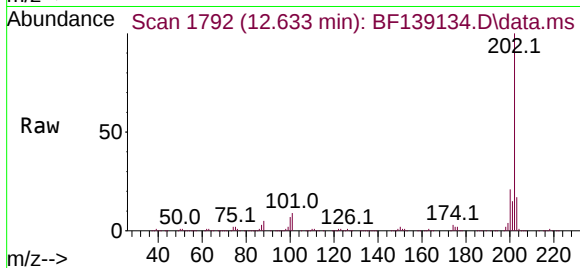
Tgt Ion:202 Resp: 297894

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.2

203 17.3 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: BF139134.D

Acq: 22 Aug 2024 20:50

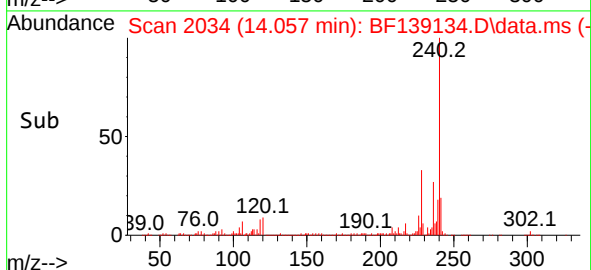
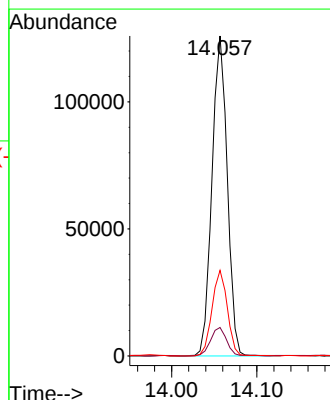
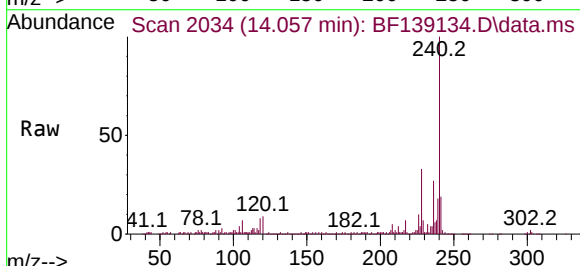
Tgt Ion:240 Resp: 157613

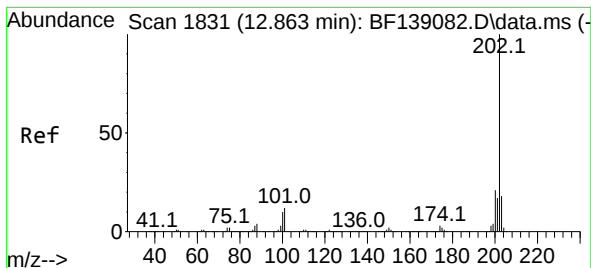
Ion Ratio Lower Upper

240 100

120 8.9 7.8 11.6

236 26.8 20.9 31.3





#78

Pyrene

Concen: 18.069 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524

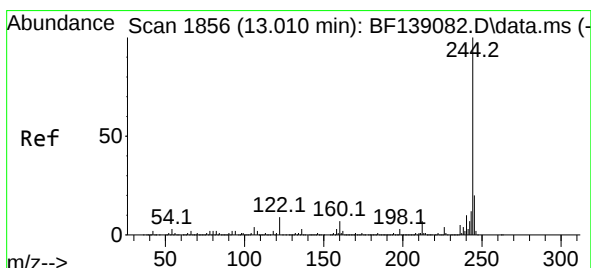
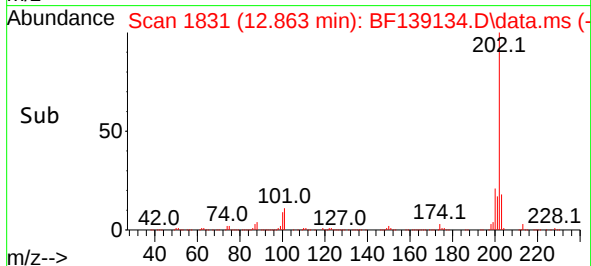
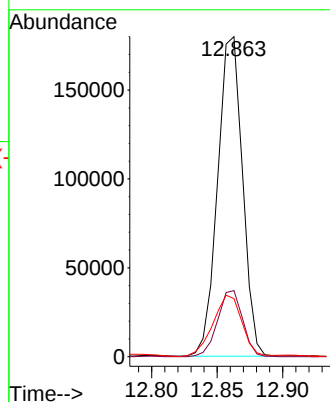
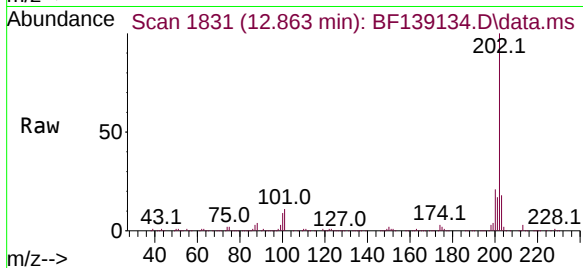
Tgt Ion:202 Resp: 237663

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 18.1 14.1 21.1



#79

Terphenyl-d14

Concen: 9.708 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

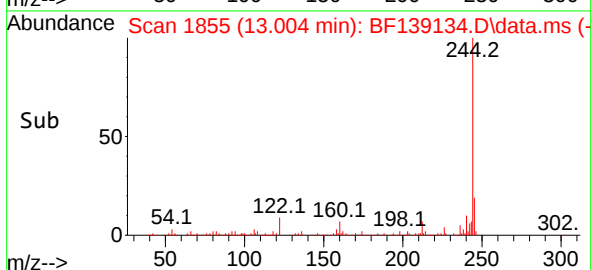
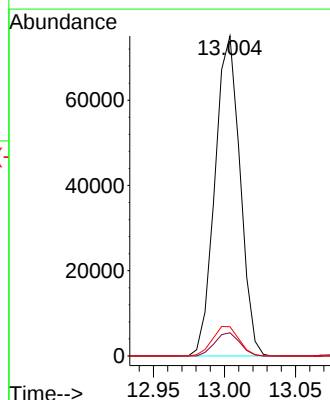
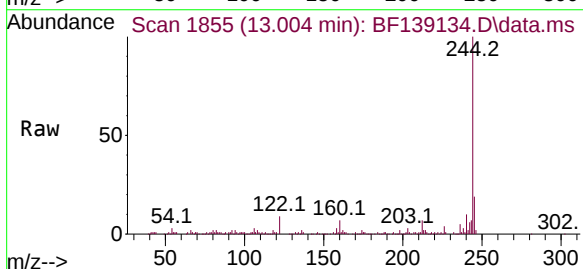
Tgt Ion:244 Resp: 92213

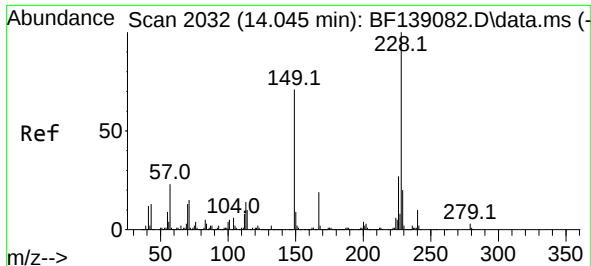
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.1 7.6 11.4

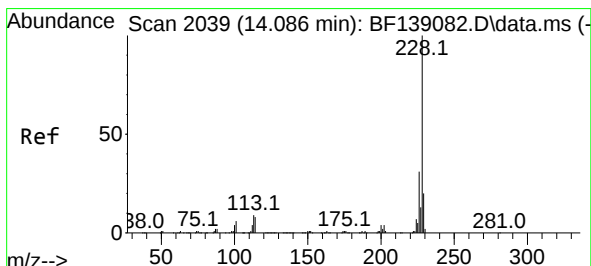
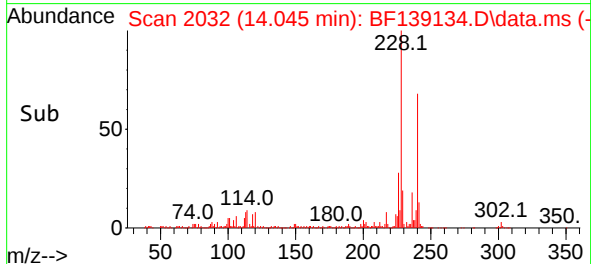
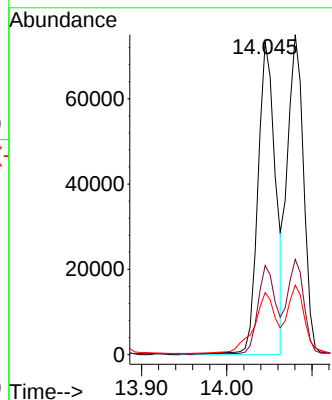
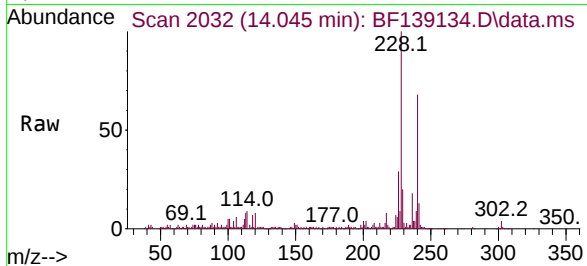




#81
Benzo(a)anthracene
Concen: 10.138 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

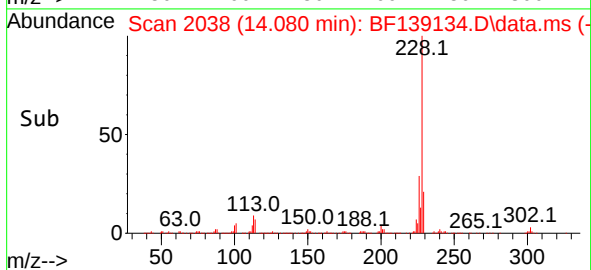
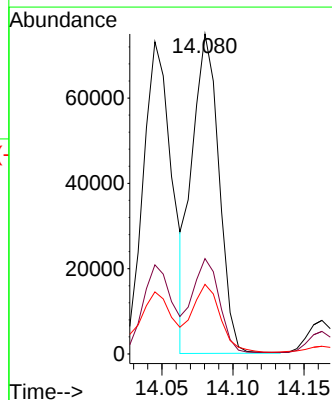
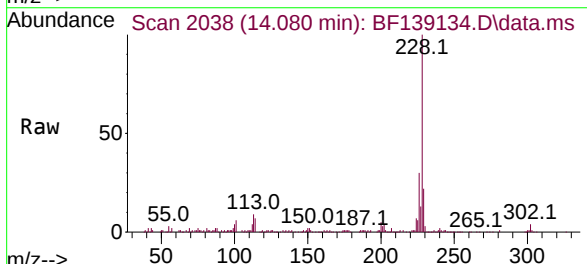
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0-0.5-081524

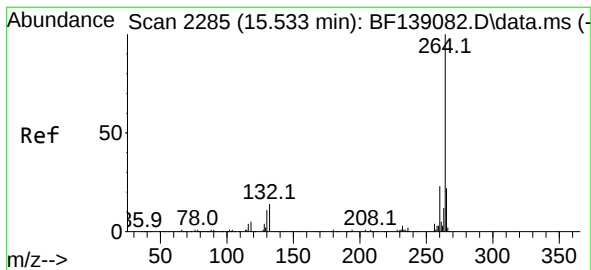
Tgt Ion:228 Resp: 105040
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 19.9 16.1 24.1



#83
Chrysene
Concen: 10.473 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139134.D
Acq: 22 Aug 2024 20:50

Tgt Ion:228 Resp: 98357
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.7 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: BF139134.D

Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524

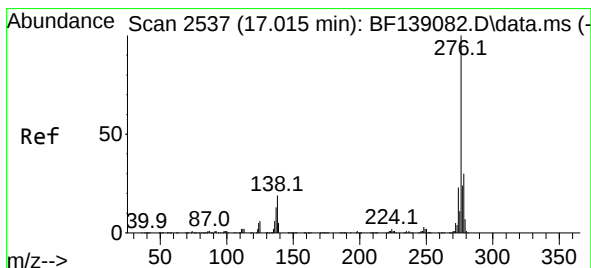
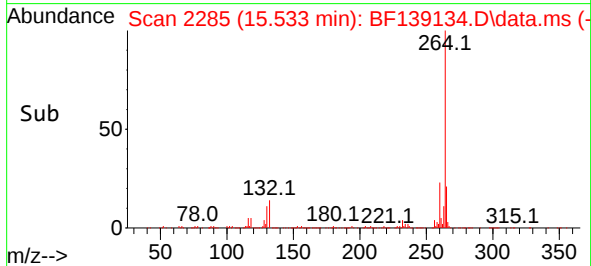
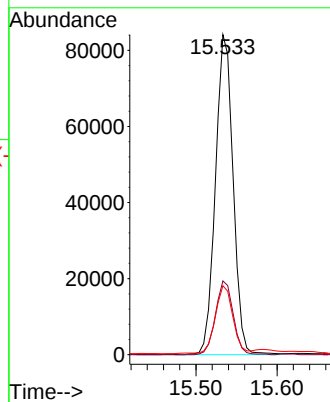
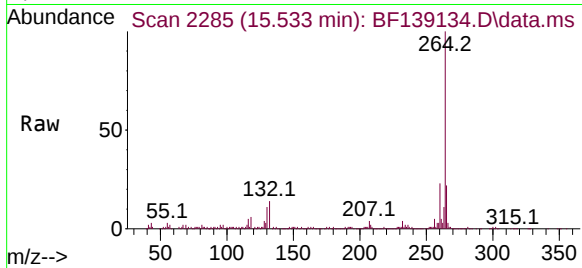
Tgt Ion:264 Resp: 127168

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.6 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.504 ng

RT: 17.015 min Scan# 2537

Delta R.T. -0.000 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

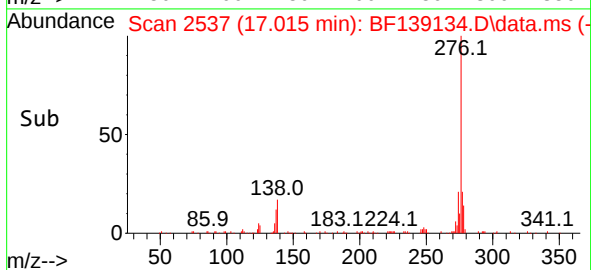
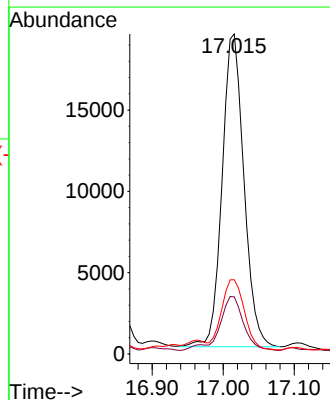
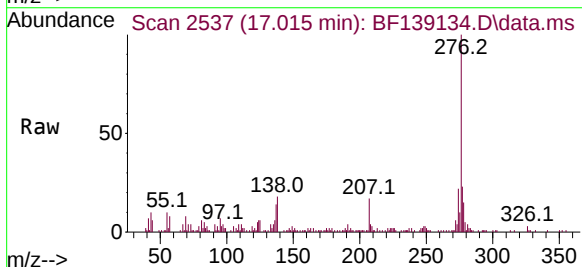
Tgt Ion:276 Resp: 40963

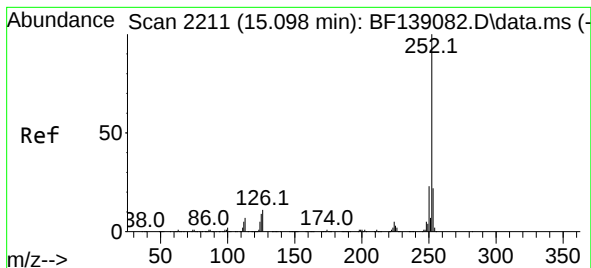
Ion Ratio Lower Upper

276 100

138 20.3 17.3 25.9

277 24.0 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 14.820 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524

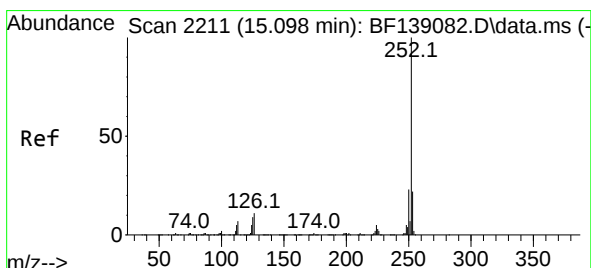
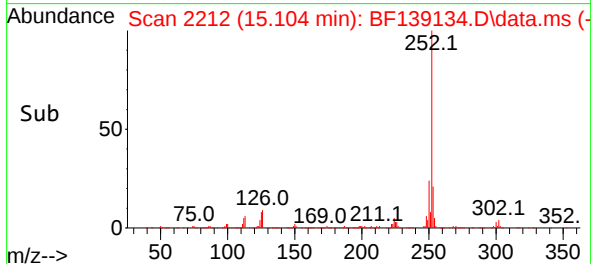
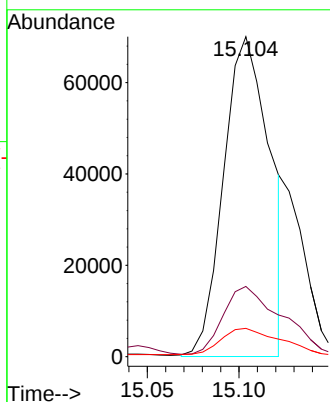
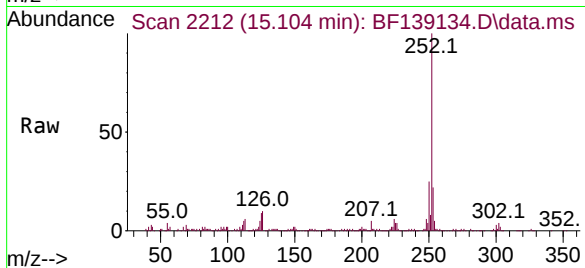
Tgt Ion:252 Resp: 122869

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 8.9 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 4.493 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

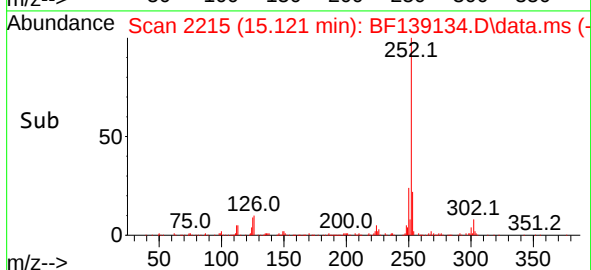
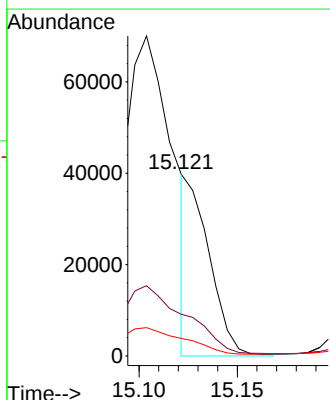
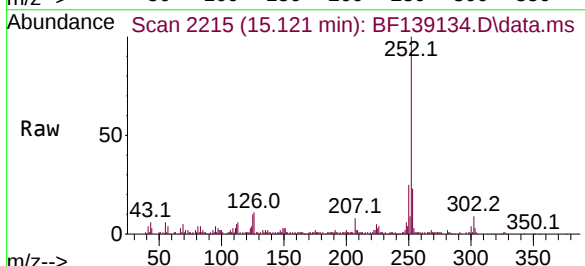
Tgt Ion:252 Resp: 31026

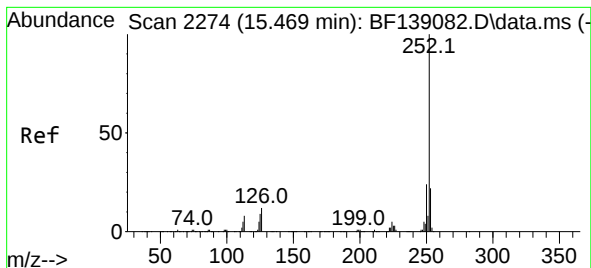
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 9.7 7.0 10.6





#90

Benzo(a)pyrene

Concen: 9.738 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0-0.5-081524

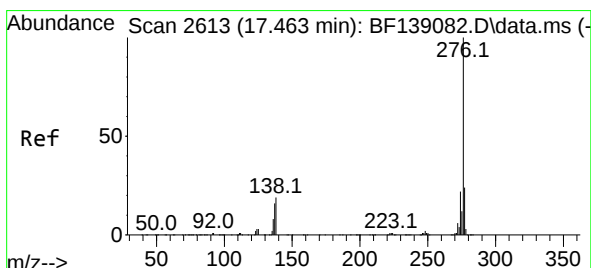
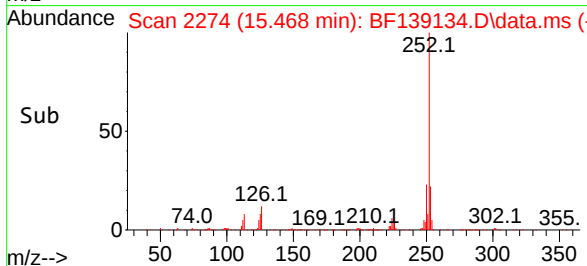
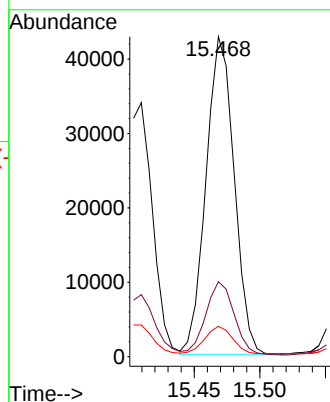
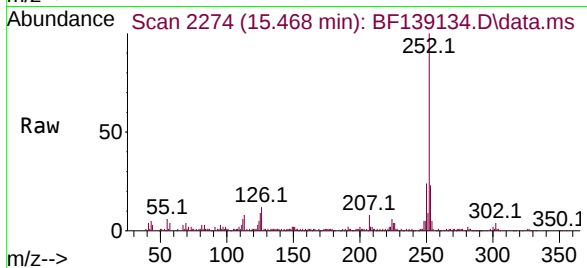
Tgt Ion:252 Resp: 63794

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 9.5 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 7.948 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.001 min

Lab File: BF139134.D

Acq: 22 Aug 2024 20:50

Tgt Ion:276 Resp: 38193

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 18.1 15.0 22.4

