

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139123.D
 Acq On : 22 Aug 2024 15:21
 Operator : RC/JU
 Sample : P3641-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-910-K1-0.5-1.0-081524

Quant Time: Aug 22 15:44:23 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)

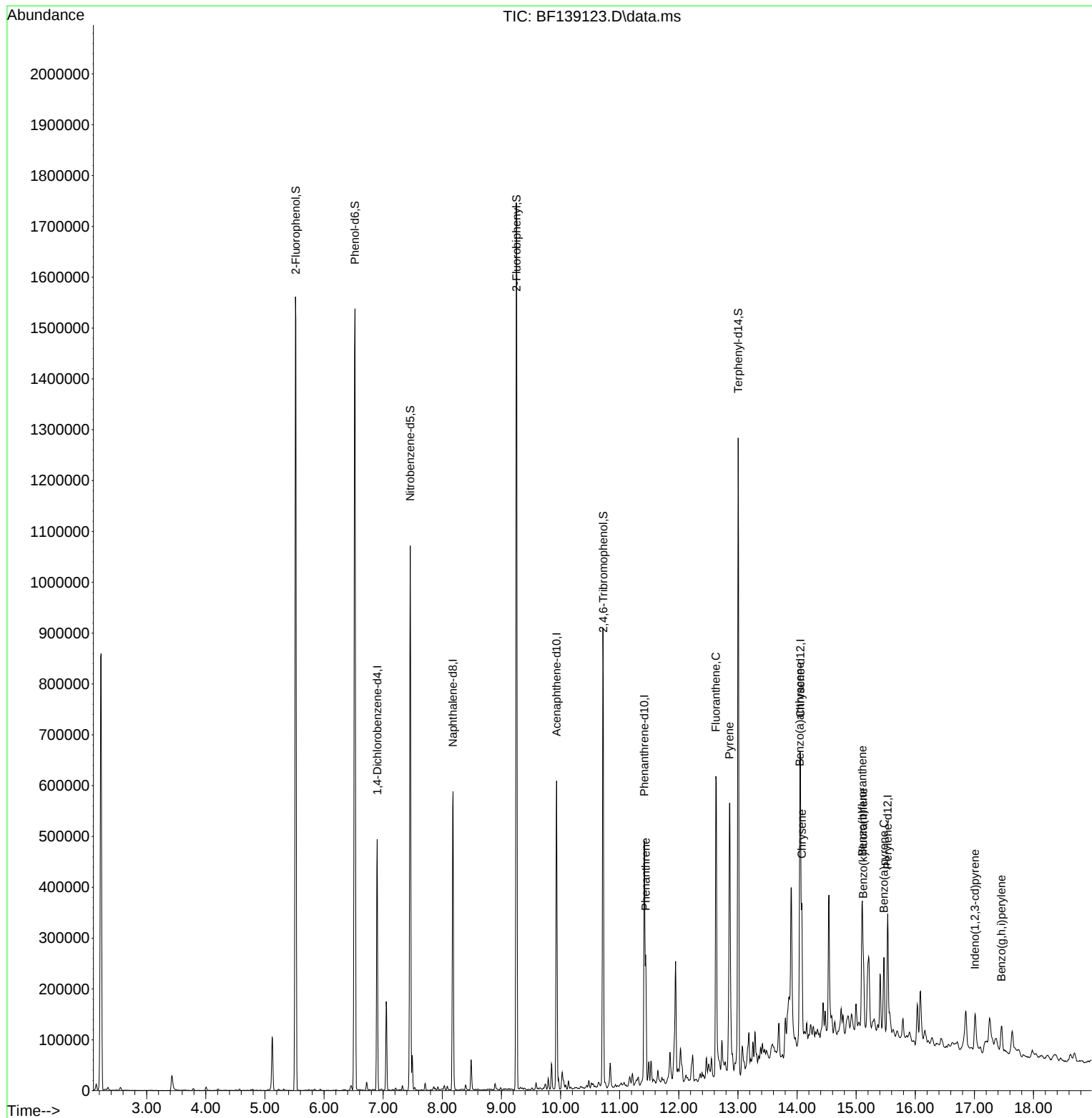
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	95054	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	339289	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	172491	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	240499	20.000	ng	0.00
76) Chrysene-d12	14.057	240	172106	20.000	ng	0.00
86) Perylene-d12	15.533	264	136165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	547177	88.565	ng	0.01
7) Phenol-d6	6.522	99	712353	89.232	ng	0.00
23) Nitrobenzene-d5	7.457	82	472462	81.141	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	135435	86.732	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	738093	67.891	ng	0.00
79) Terphenyl-d14	13.004	244	571905	55.138	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.439	178	124935	10.220	ng	99
75) Fluoranthene	12.628	202	326430	25.019	ng	99
78) Pyrene	12.857	202	272170	18.950	ng	97
81) Benzo(a)anthracene	14.045	228	156069	13.795	ng	97
83) Chrysene	14.080	228	138408	13.497	ng	99
87) Indeno(1,2,3-cd)pyrene	17.010	276	53941	6.769	ng	97
88) Benzo(b)fluoranthene	15.104	252	155516m	17.519	ng	
89) Benzo(k)fluoranthene	15.116	252	60536m	8.188	ng	
90) Benzo(a)pyrene	15.468	252	86165	12.284	ng	98
92) Benzo(g,h,i)perylene	17.457	276	50411	9.147	ng	98

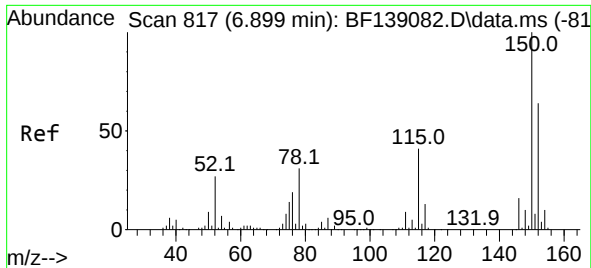
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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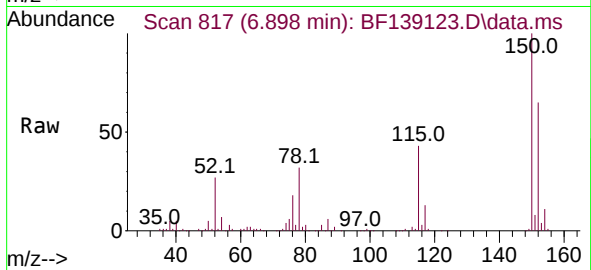
Quant Time: Aug 22 15:44:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
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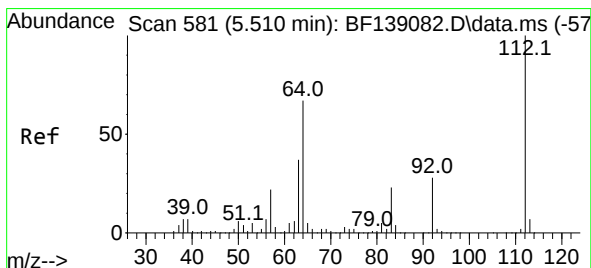
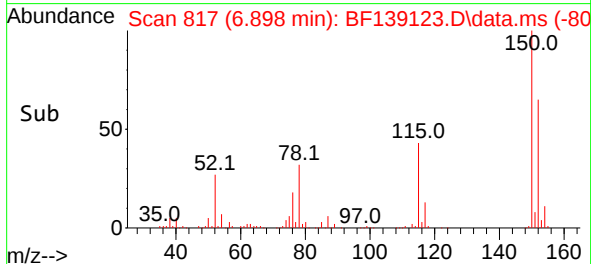
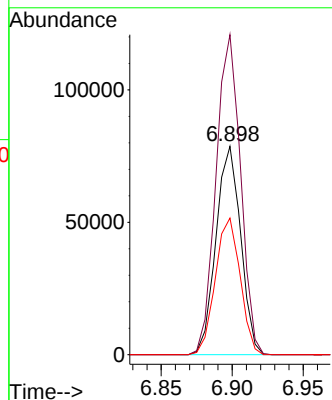


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

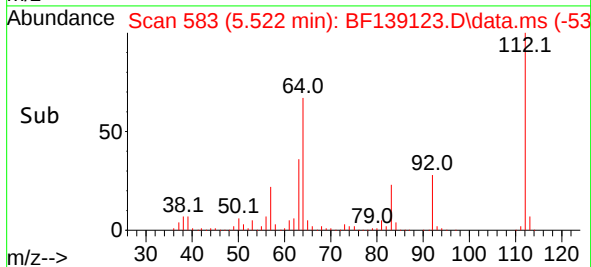
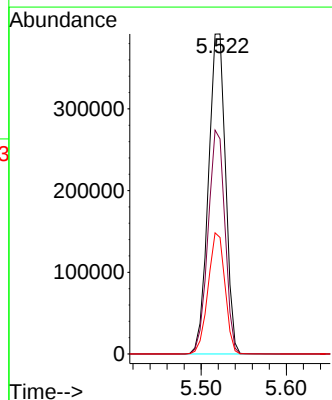
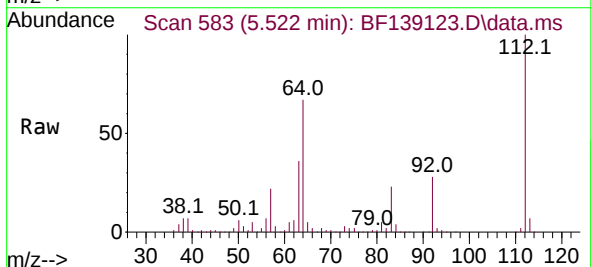


Tgt Ion:152 Resp: 95054
Ion Ratio Lower Upper
152 100
150 153.6 125.1 187.7
115 65.6 51.8 77.6



#5
2-Fluorophenol
Concen: 88.565 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion:112 Resp: 547177
Ion Ratio Lower Upper
112 100
64 67.2 53.8 80.6
63 36.4 29.4 44.2

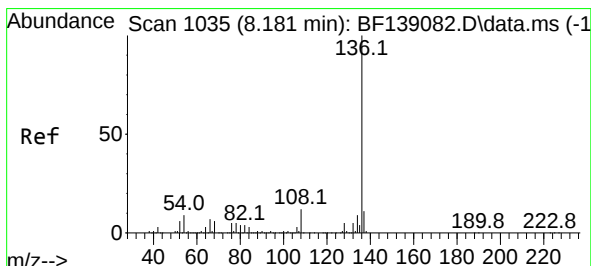
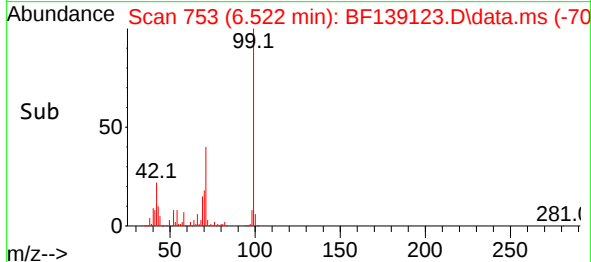
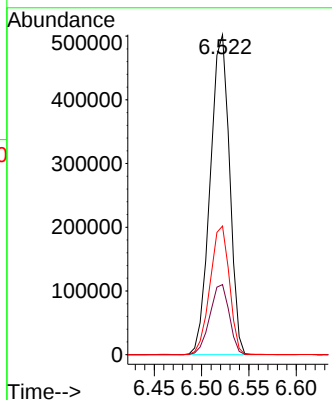
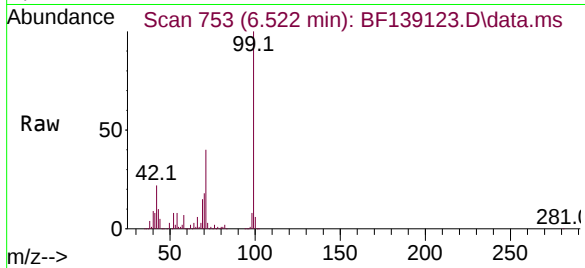




#7
Phenol-d6
Concen: 89.232 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

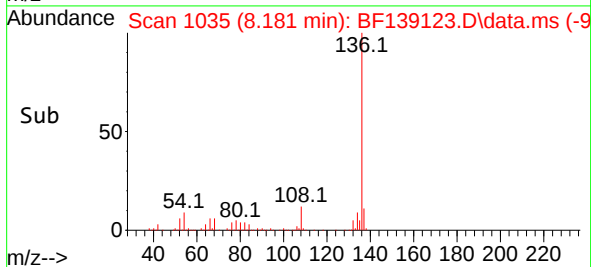
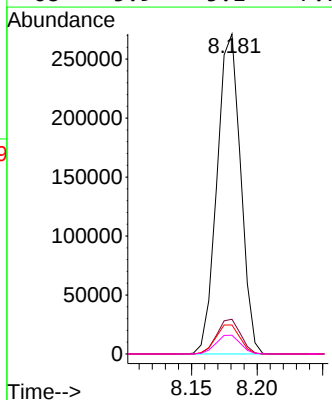
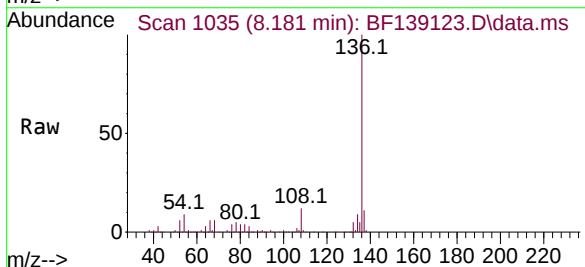
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

Tgt Ion: 99 Resp: 712353
Ion Ratio Lower Upper
99 100
42 21.9 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: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion: 136 Resp: 339289
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.1 7.6 11.4
68 5.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 81.141 ng

RT: 7.457 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139123.D

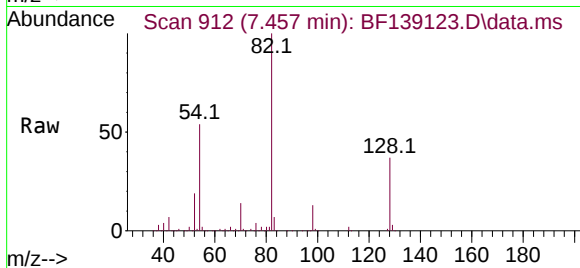
Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524



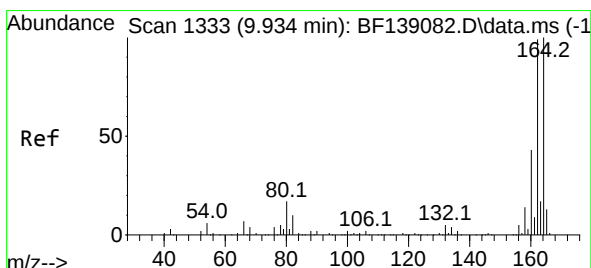
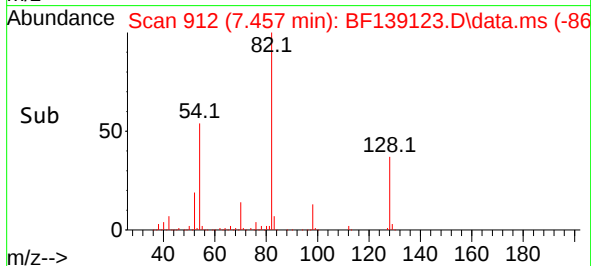
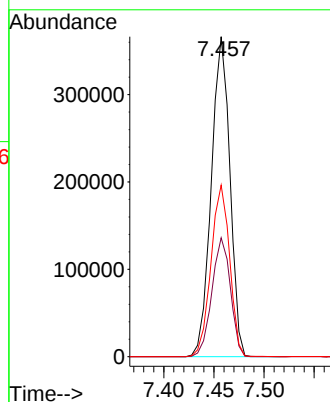
Tgt Ion: 82 Resp: 472462

Ion Ratio Lower Upper

82 100

128 37.2 29.0 43.4

54 53.6 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: BF139123.D

Acq: 22 Aug 2024 15:21

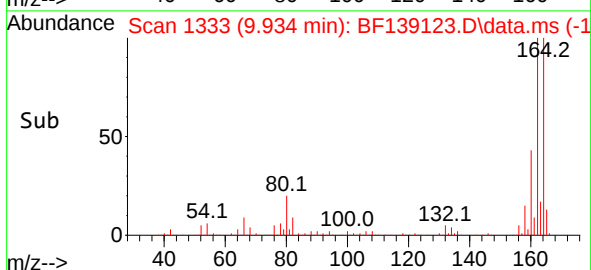
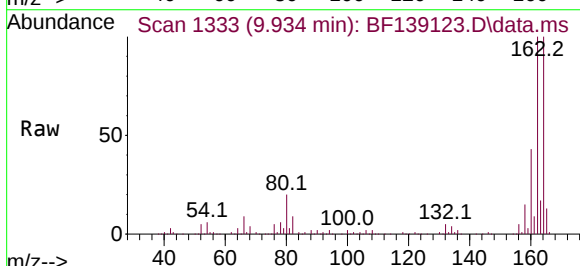
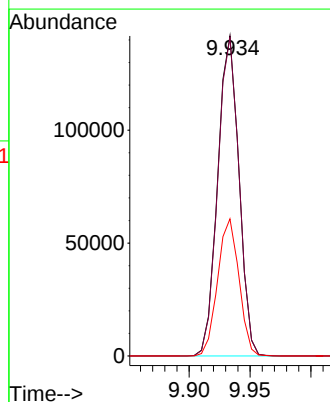
Tgt Ion: 164 Resp: 172491

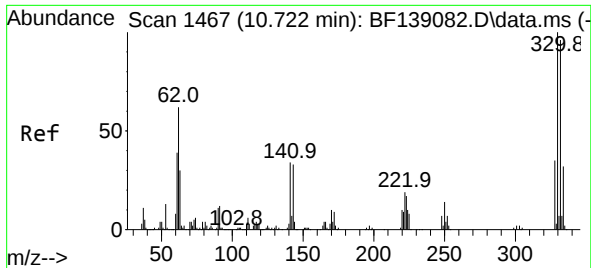
Ion Ratio Lower Upper

164 100

162 99.5 79.5 119.3

160 42.9 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 86.732 ng

RT: 10.722 min Scan# 1467

Delta R.T. -0.000 min

Lab File: BF139123.D

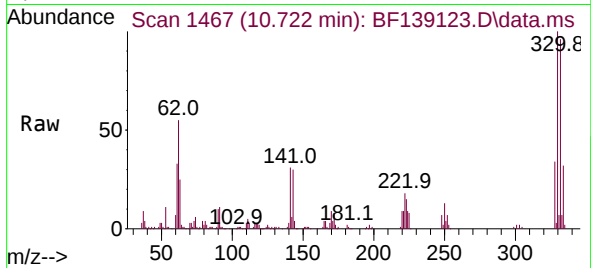
Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524



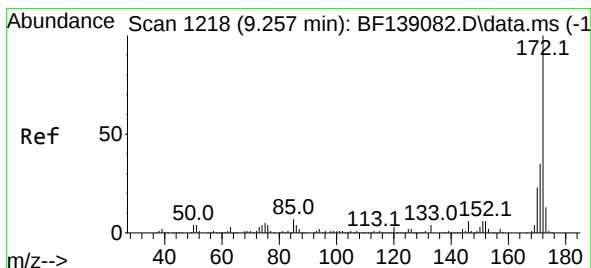
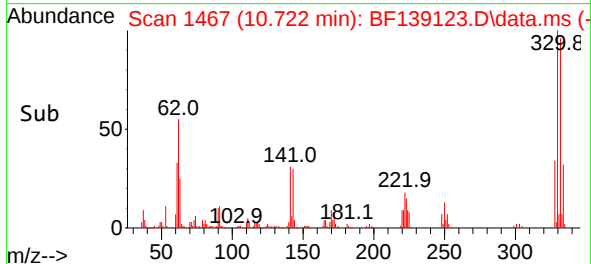
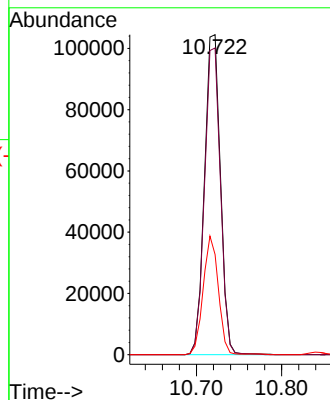
Tgt Ion: 330 Resp: 135435

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

141 35.3 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 67.891 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.000 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

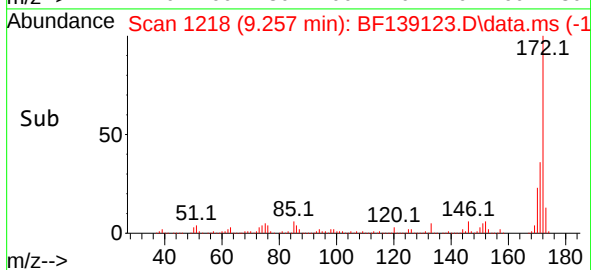
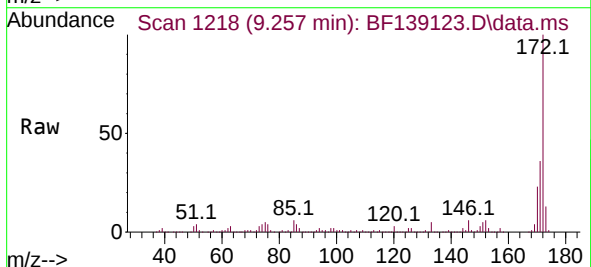
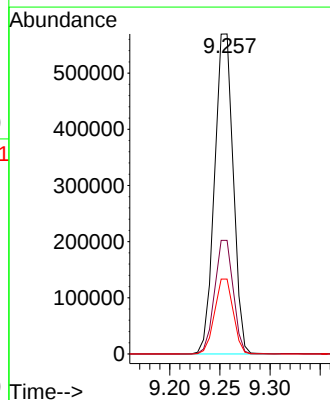
Tgt Ion: 172 Resp: 738093

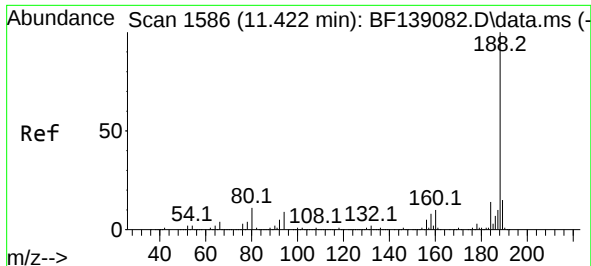
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 18.8 28.2

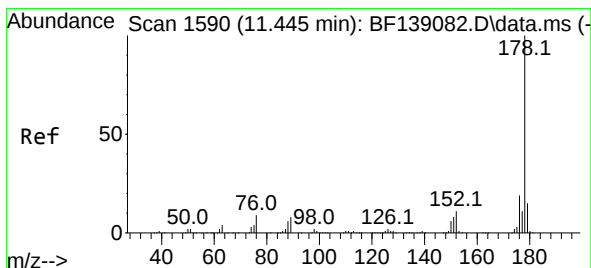
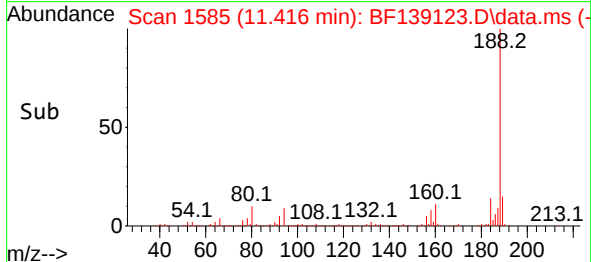
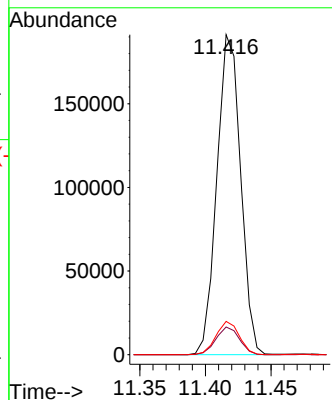
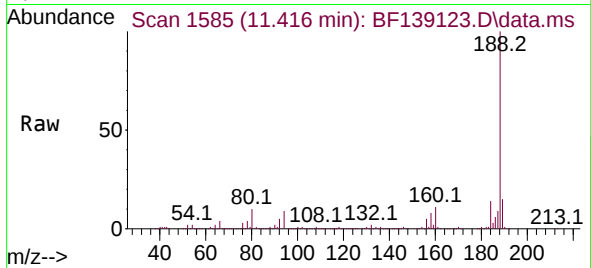




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

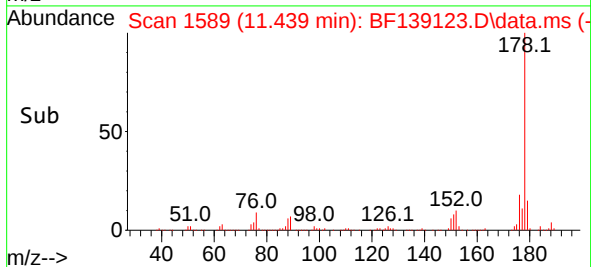
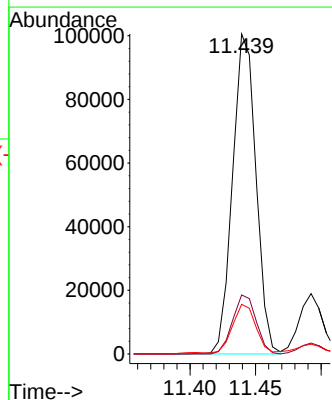
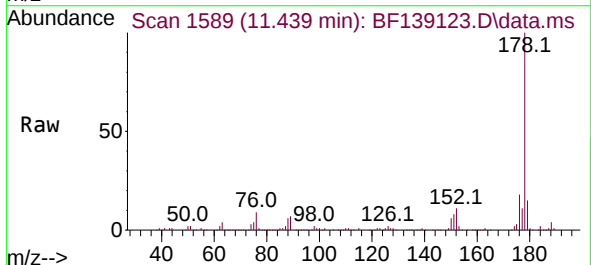
Instrument :
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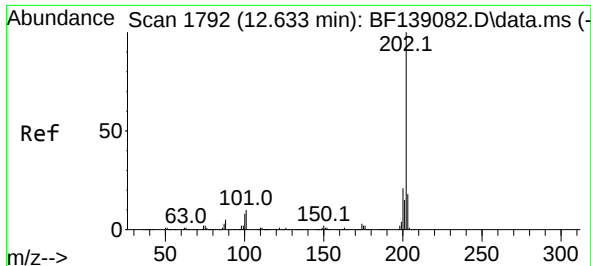
Tgt Ion:188 Resp: 240499
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 10.4 8.5 12.7



#71
Phenanthrene
Concen: 10.220 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion:178 Resp: 124935
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.5 12.3 18.5

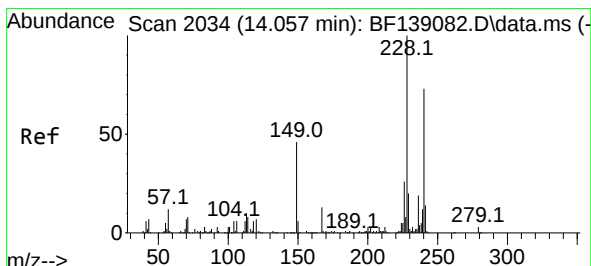
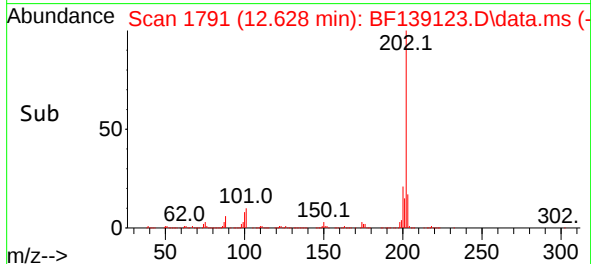
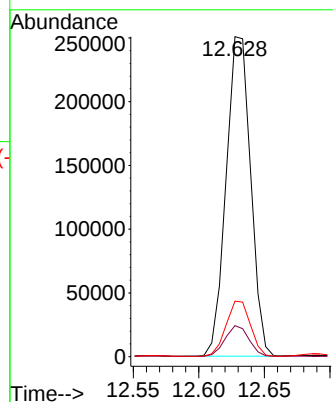
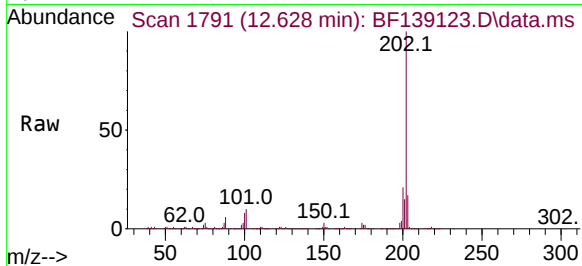




#75
Fluoranthene
Concen: 25.019 ng
RT: 12.628 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

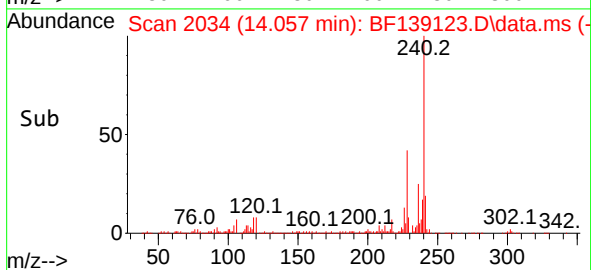
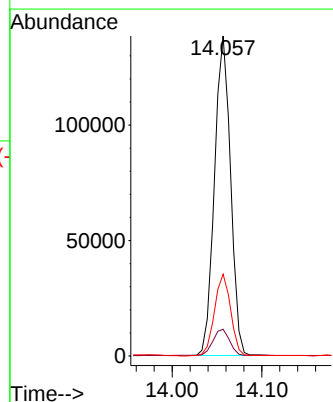
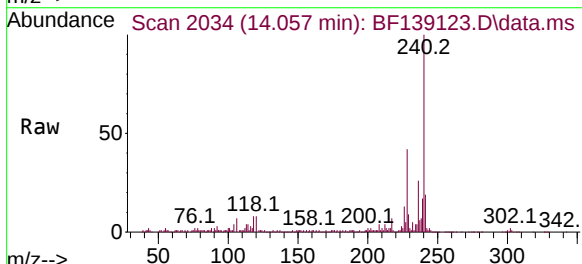
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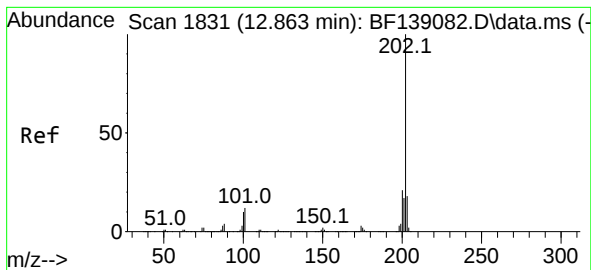
Tgt Ion:202 Resp: 326430
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion:240 Resp: 172106
Ion Ratio Lower Upper
240 100
120 8.3 7.8 11.6
236 25.6 20.9 31.3





#78

Pyrene

Concen: 18.950 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524

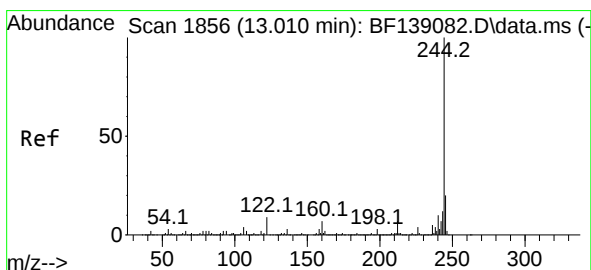
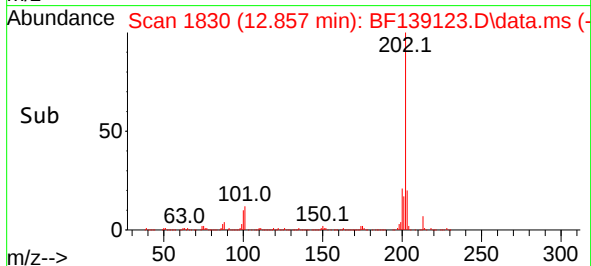
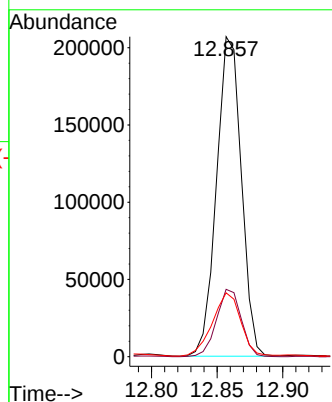
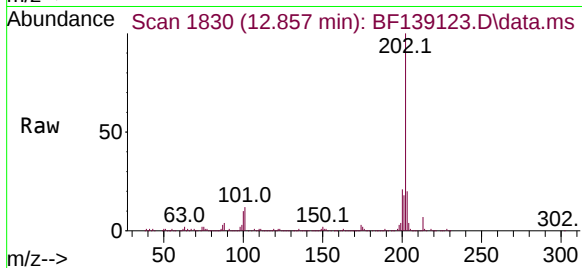
Tgt Ion:202 Resp: 272170

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 19.9 14.1 21.1



#79

Terphenyl-d14

Concen: 55.138 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

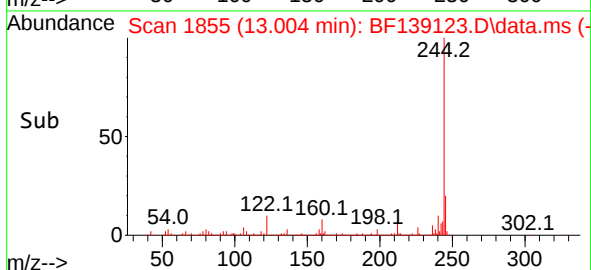
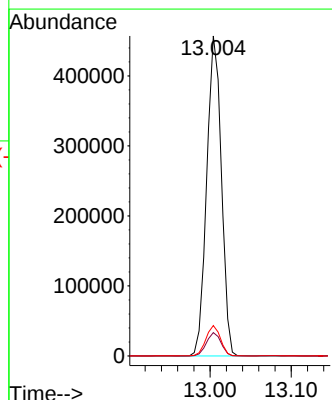
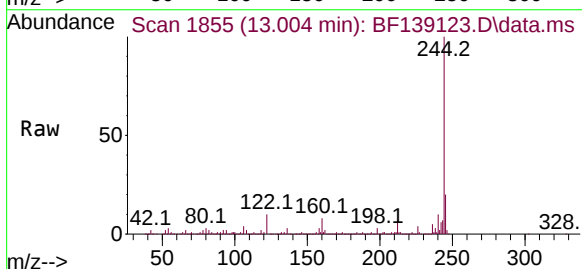
Tgt Ion:244 Resp: 571905

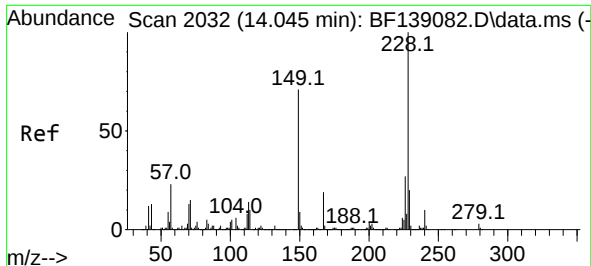
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.5 7.6 11.4

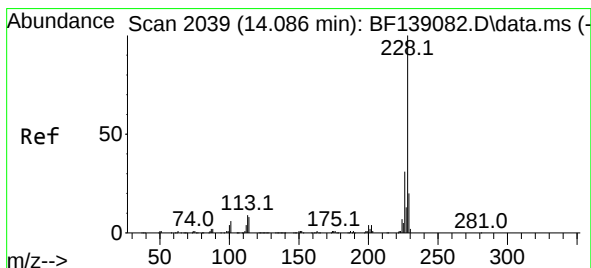
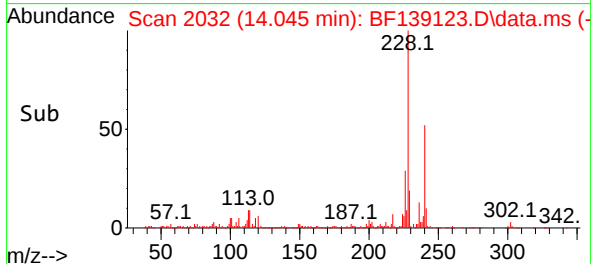
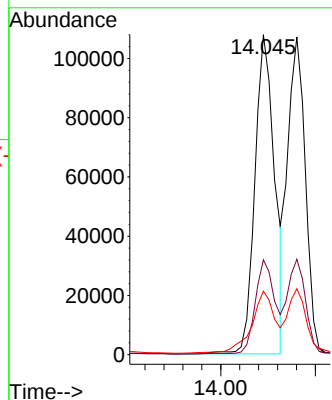
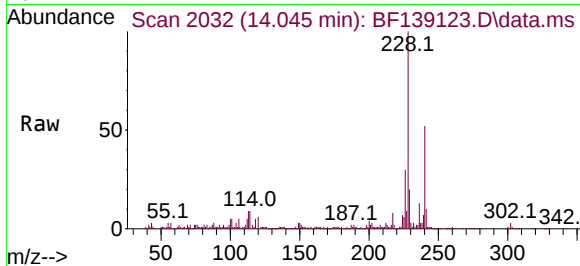




#81
Benzo(a)anthracene
Concen: 13.795 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

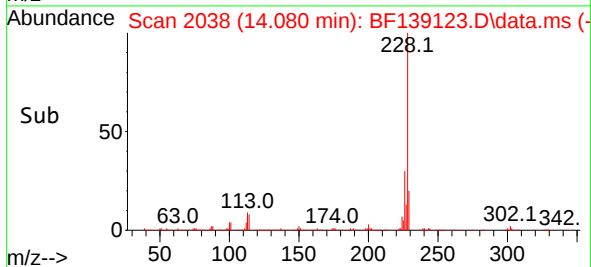
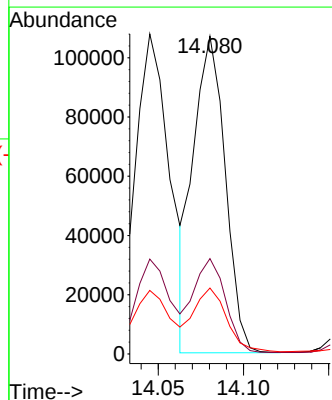
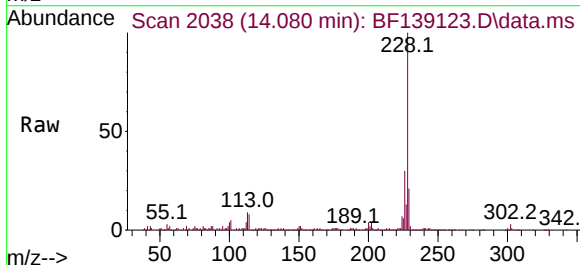
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

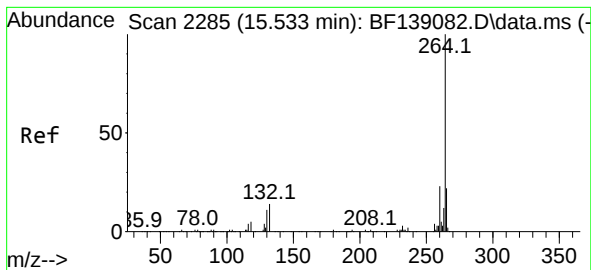
Tgt Ion:228 Resp: 156069
Ion Ratio Lower Upper
228 100
226 29.6 21.9 32.9
229 19.8 16.1 24.1



#83
Chrysene
Concen: 13.497 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion:228 Resp: 138408
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 20.7 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: BF139123.D

Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524

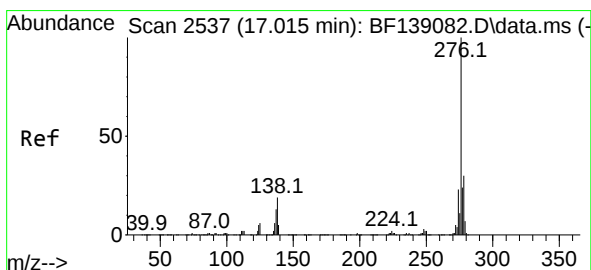
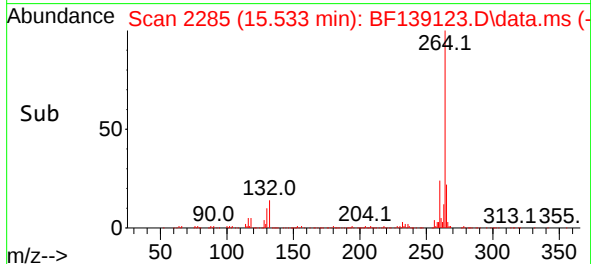
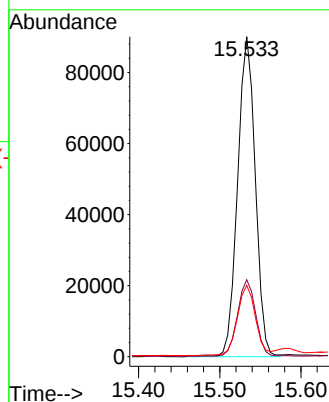
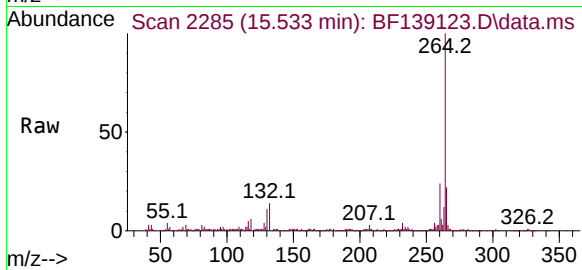
Tgt Ion:264 Resp: 136165

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 22.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.769 ng

RT: 17.010 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

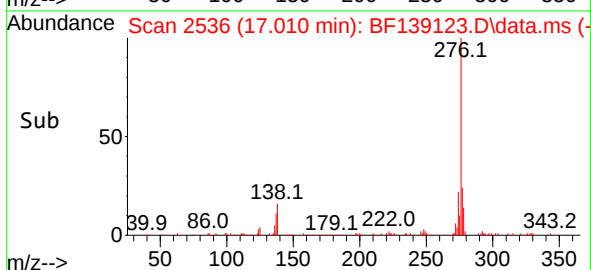
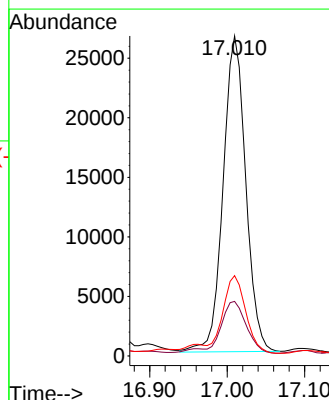
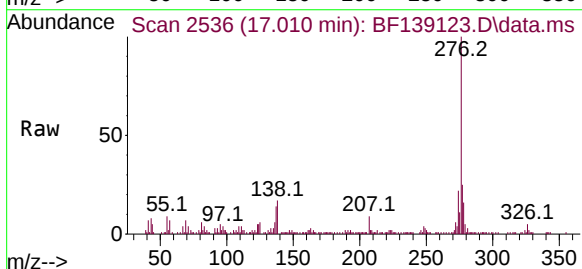
Tgt Ion:276 Resp: 53941

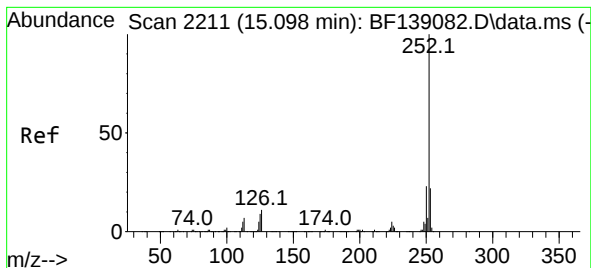
Ion Ratio Lower Upper

276 100

138 19.1 17.3 25.9

277 24.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 17.519 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524

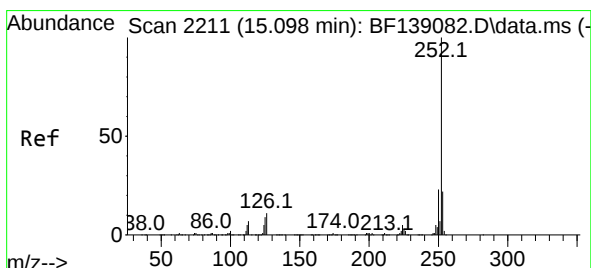
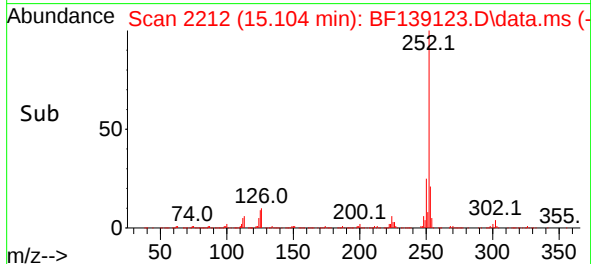
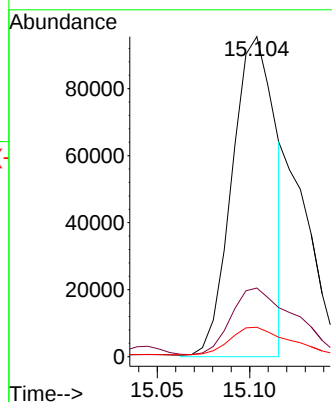
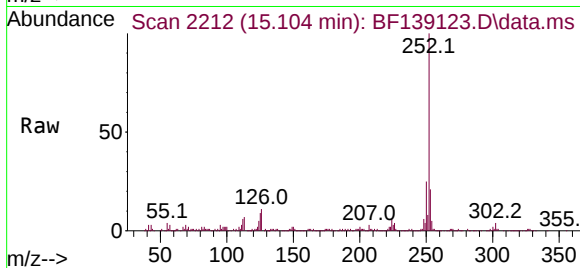
Tgt Ion:252 Resp: 155516

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 9.2 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 8.188 ng m

RT: 15.116 min Scan# 2214

Delta R.T. -0.018 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

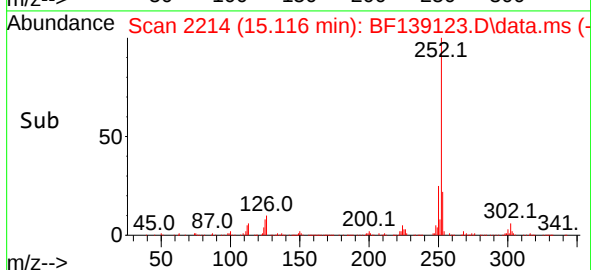
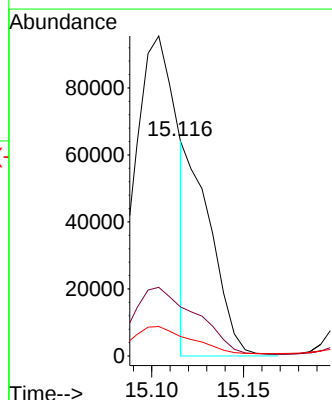
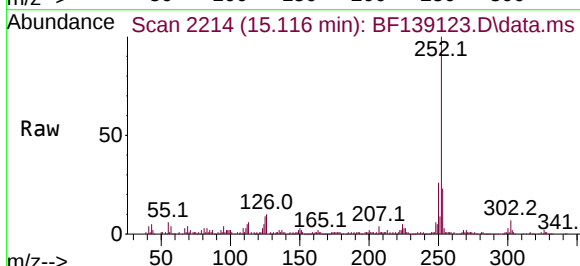
Tgt Ion:252 Resp: 60536

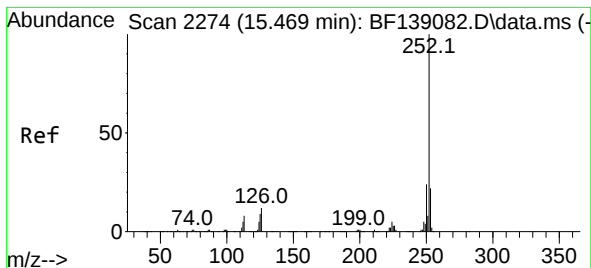
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 9.1 7.0 10.6





#90

Benzo(a)pyrene

Concen: 12.284 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524

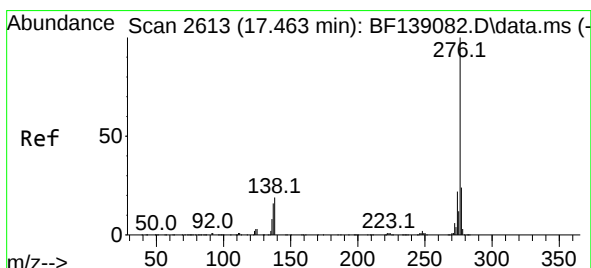
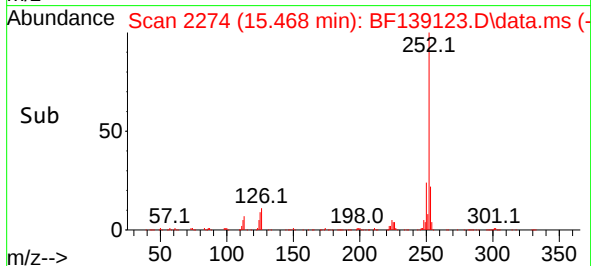
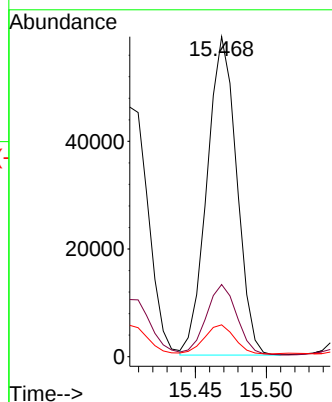
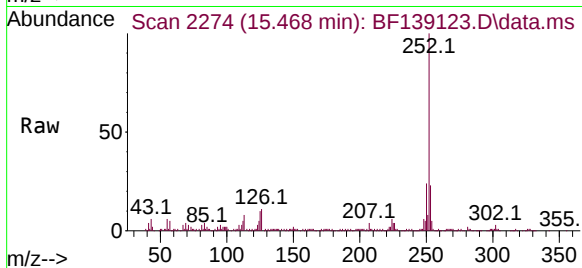
Tgt Ion:252 Resp: 86165

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 9.9 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 9.147 ng

RT: 17.457 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

Tgt Ion:276 Resp: 50411

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 18.6 15.0 22.4

