

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)

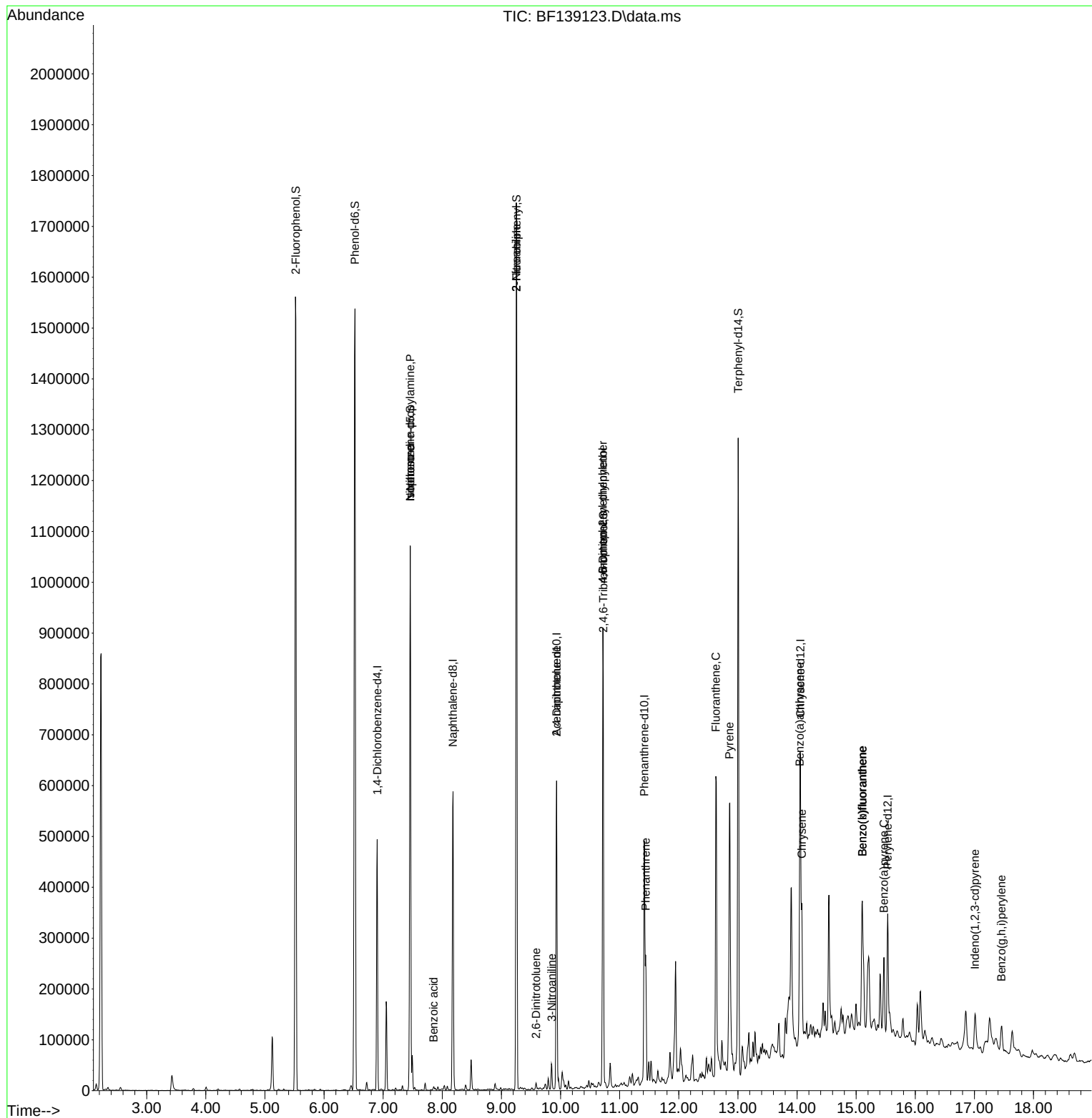
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	95054	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	339289	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	172491	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	240499	20.000	ng	0.00
76) Chrysene-d12	14.057	240	172106	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.457	70	66163	12.620	ng	# 79
25) Isophorone	7.457	82	471823	38.124	ng	# 69
32) Benzoic acid	7.851	122	1850	8.815	ng	94
48) 2-Nitroaniline	9.251	65	1609	6.173	ng	# 1
51) 2,6-Dinitrotoluene	9.587	165	1027	4.953	ng	# 27
53) 3-Nitroaniline	9.851	138	301	4.302	ng	# 1
57) 2,4-Dinitrotoluene	9.934	165	21826	12.754	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	296	6.842	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	9517	3.734	ng	# 1
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	213630	24.065	ng	99
89) Benzo(k)fluoranthene	15.104	252	213630	28.894	ng	99
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

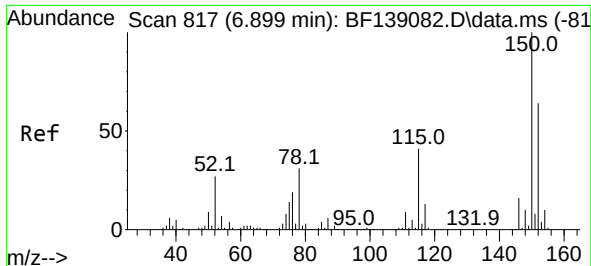
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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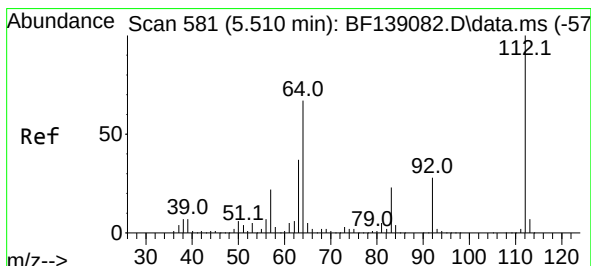
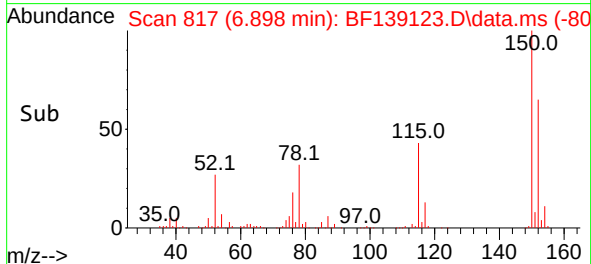
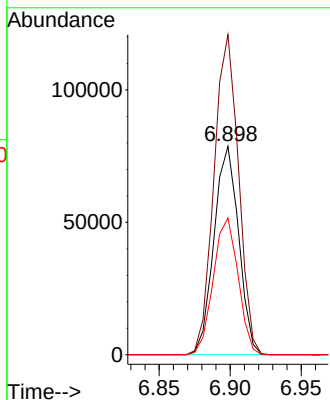
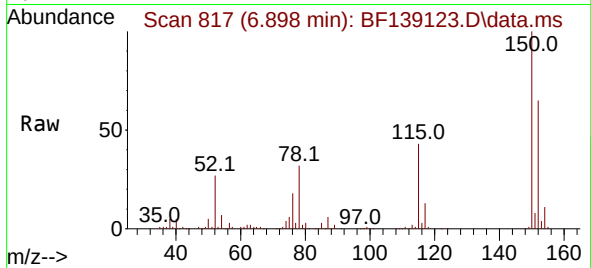




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

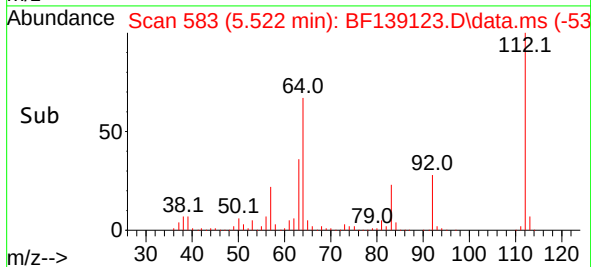
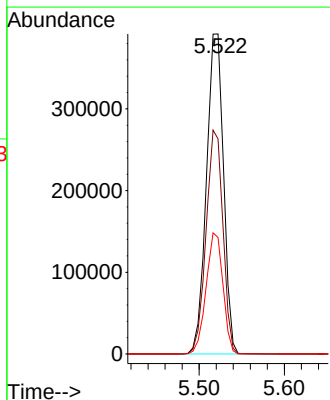
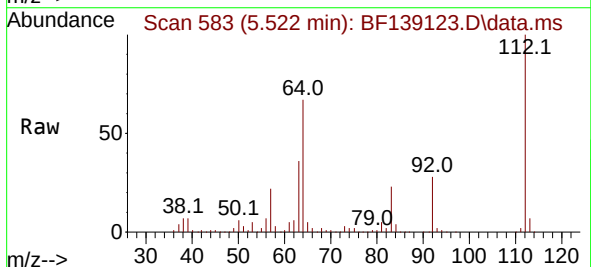
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

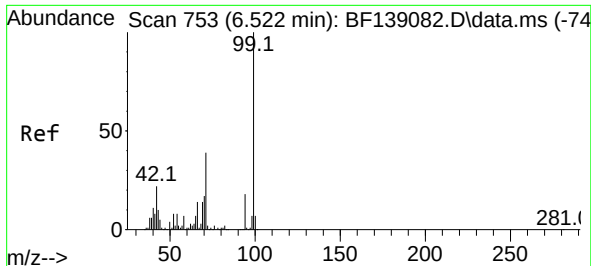
Tgt Ion:152 Resp: 95054
Ion Ratio Lower Upper
152 100
150 153.6 125.1 187.7
115 65.6 51.8 77.6



#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

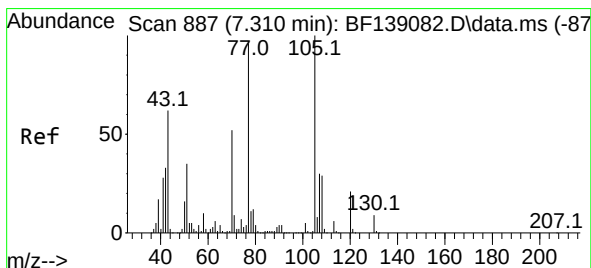
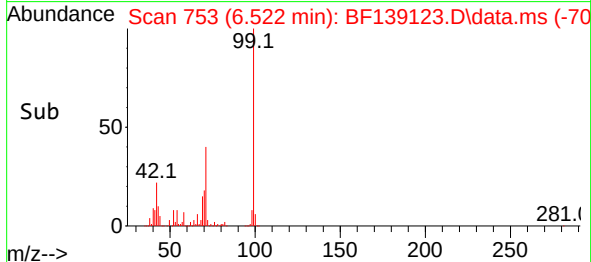
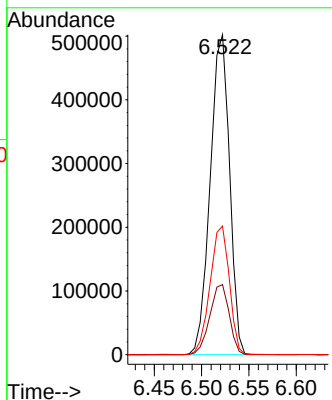
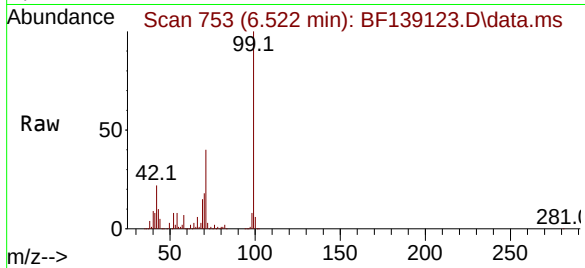




#7
Phenol-d6
Concen: 89.232 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

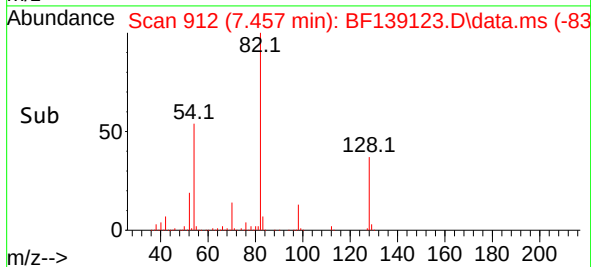
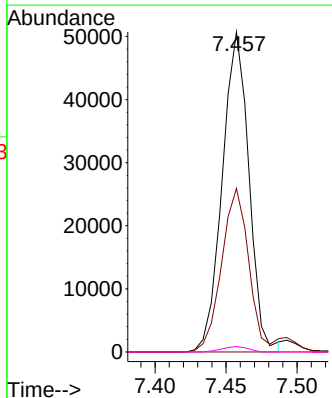
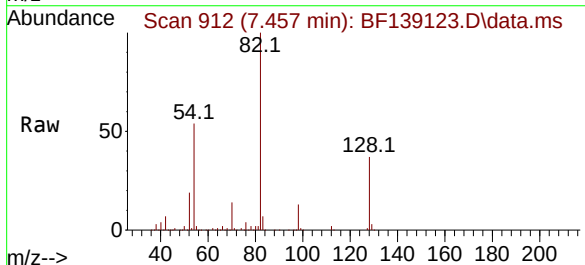
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

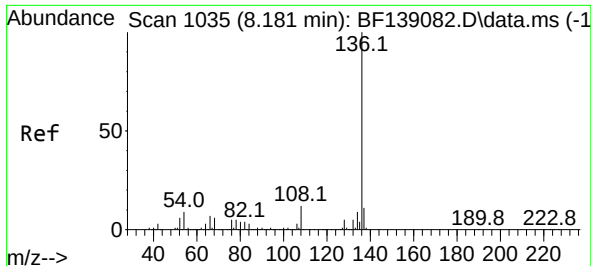
Tgt Ion: 99 Resp: 712353
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.2 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.620 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion: 70 Resp: 66163
Ion Ratio Lower Upper
70 100
42 51.1 50.5 75.7
101 0.0 7.2 10.8#
130 1.7 14.2 21.2#

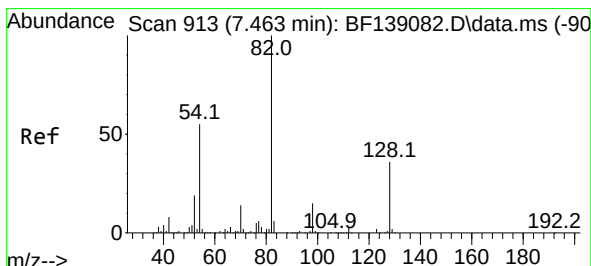
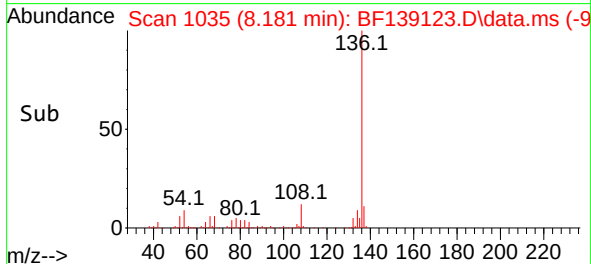
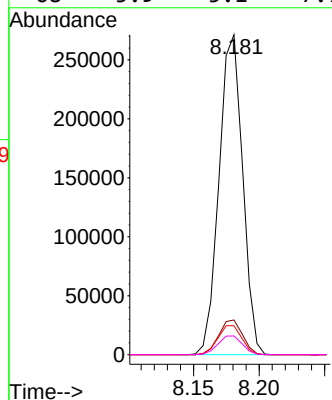
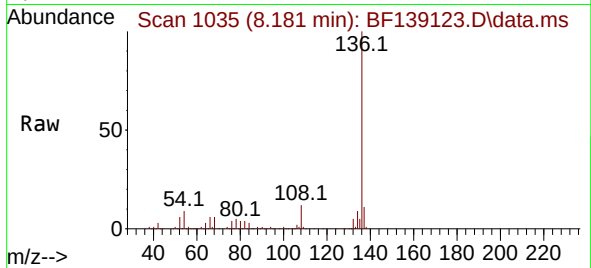




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

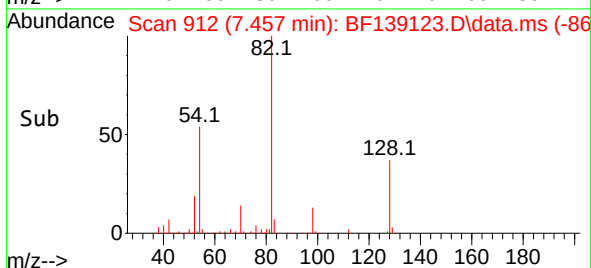
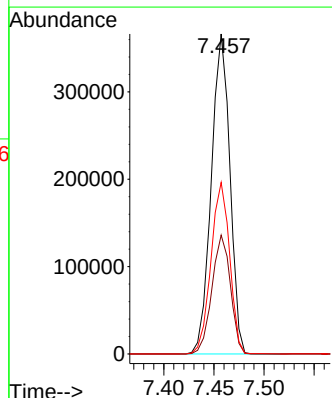
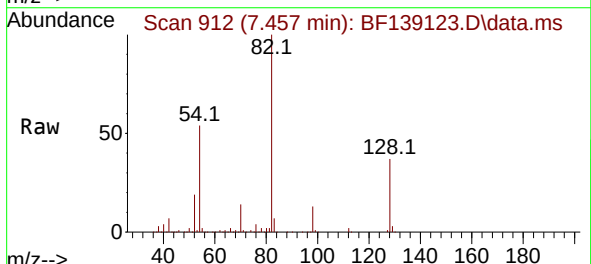
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

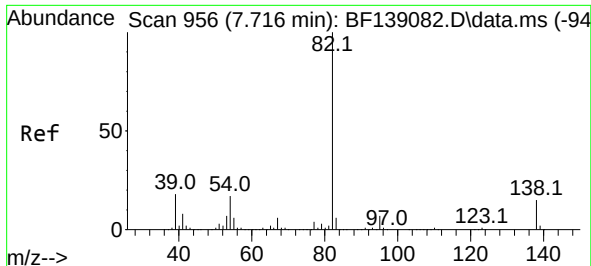
Tgt Ion:	136	Resp:	339289
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.1	7.6	11.4
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 81.141 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

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

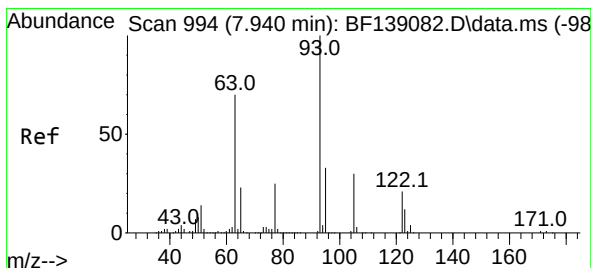
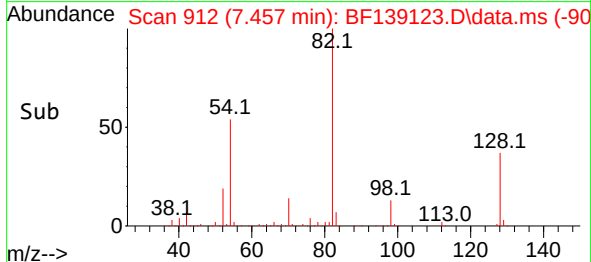
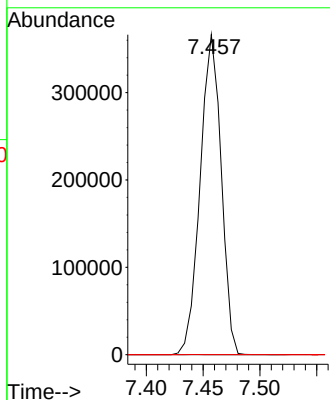
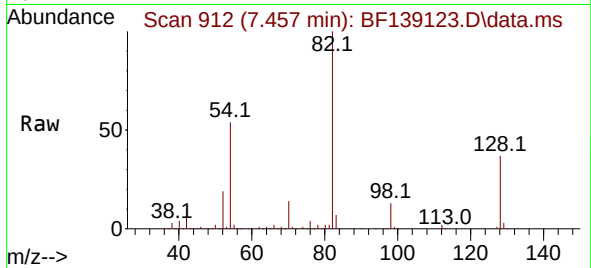




#25
Isophorone
Concen: 38.124 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.259 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

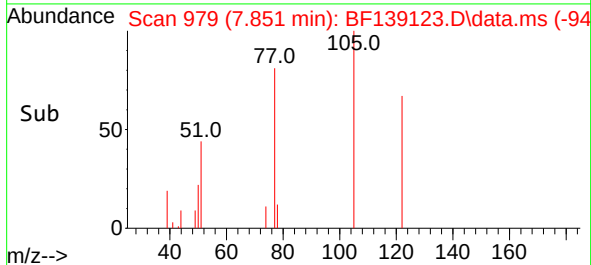
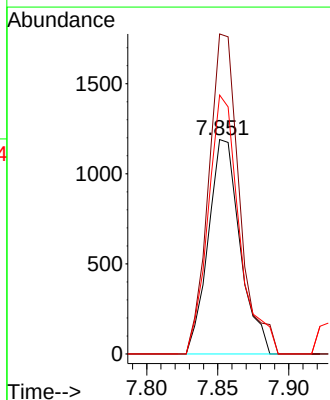
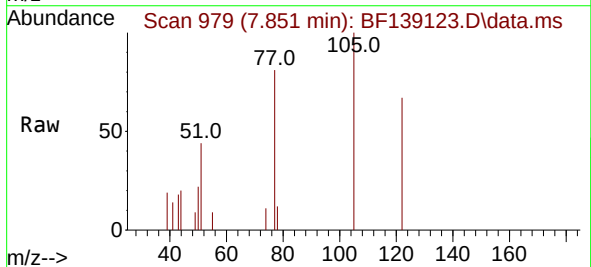
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

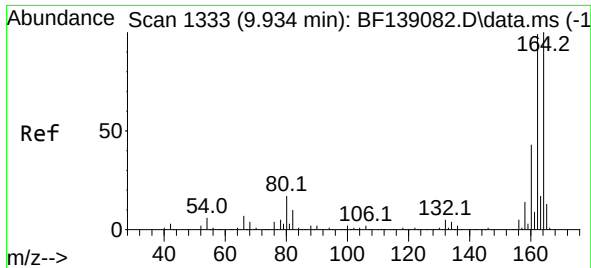
Tgt Ion: 82 Resp: 471823
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.815 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.089 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion:122 Resp: 1850
Ion Ratio Lower Upper
122 100
105 149.2 119.6 159.6
77 120.8 97.6 137.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139123.D

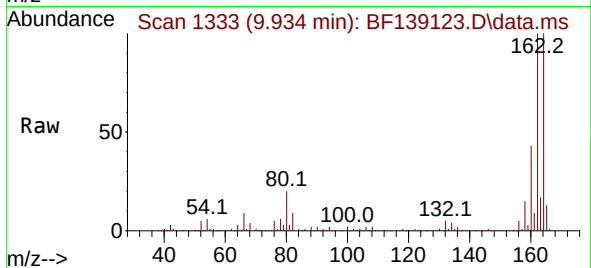
Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524



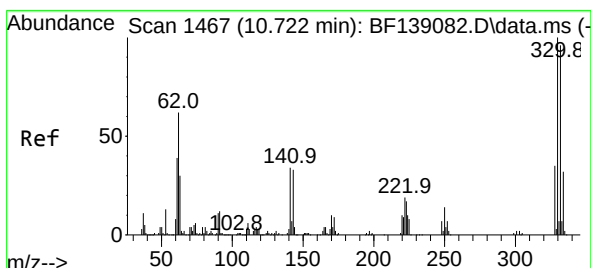
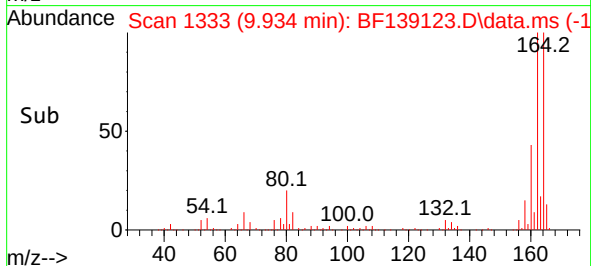
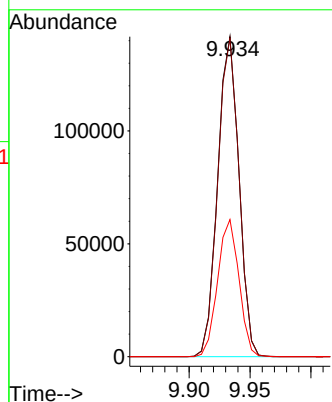
Tgt Ion:164 Resp: 172491

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

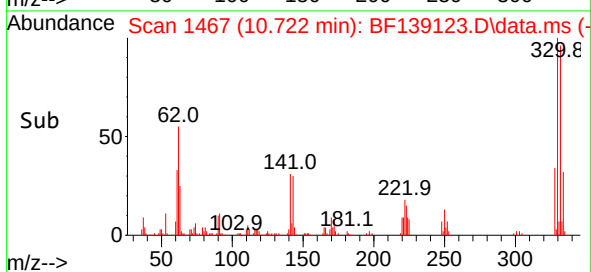
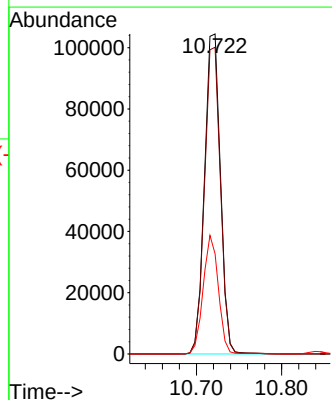
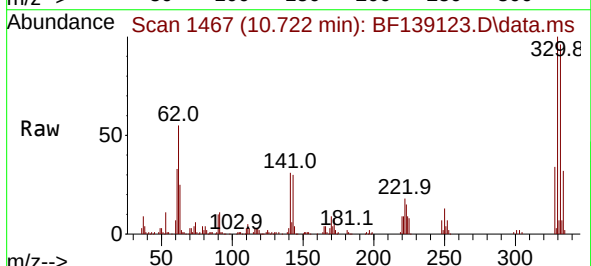
Tgt Ion:330 Resp: 135435

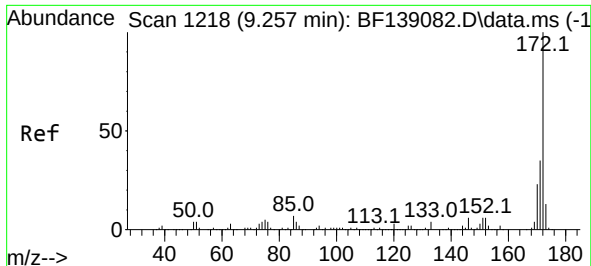
Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

141 35.3 27.5 41.3

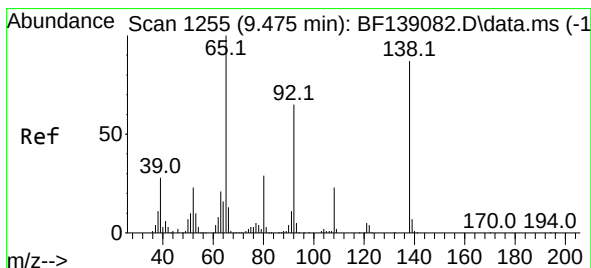
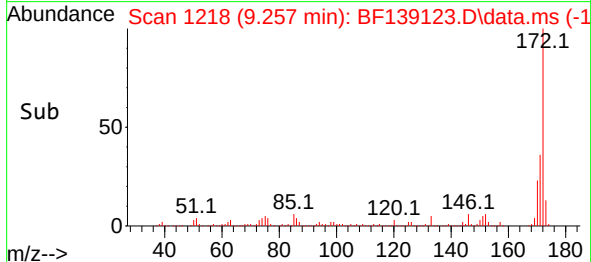
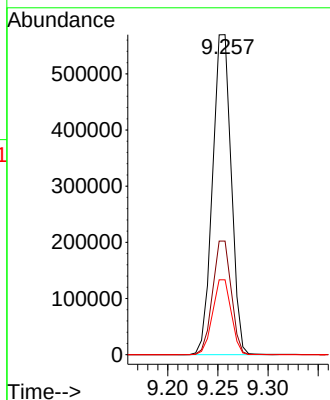
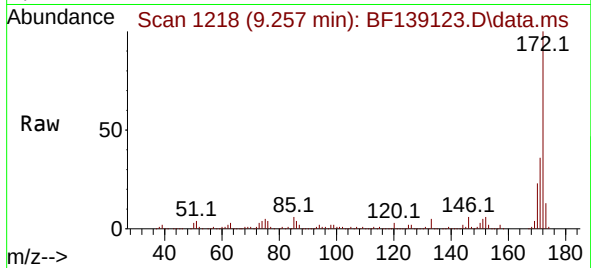




#45
2-Fluorobiphenyl
Concen: 67.891 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

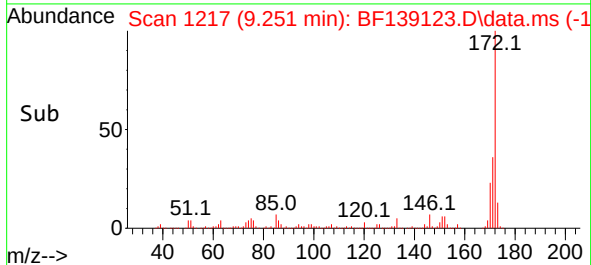
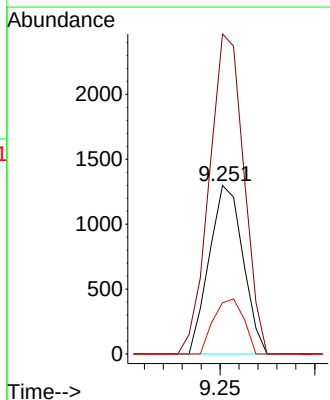
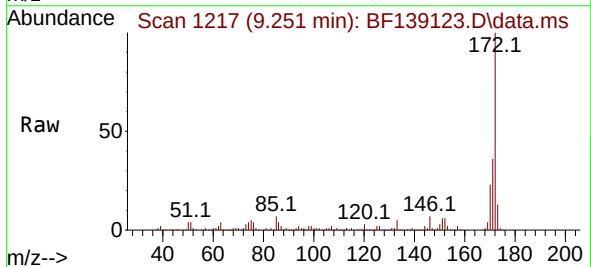
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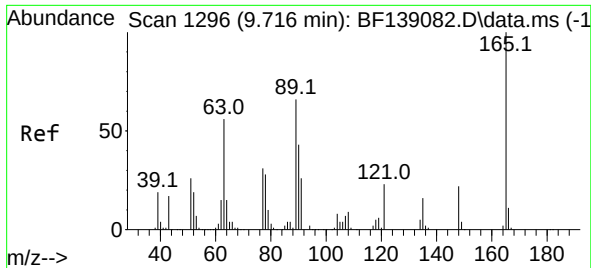
Tgt Ion:172 Resp: 738093
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.4 18.8 28.2



#48
2-Nitroaniline
Concen: 6.173 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.224 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion: 65 Resp: 1609
Ion Ratio Lower Upper
65 100
92 190.0 52.4 78.6#
138 30.4 69.4 104.0#

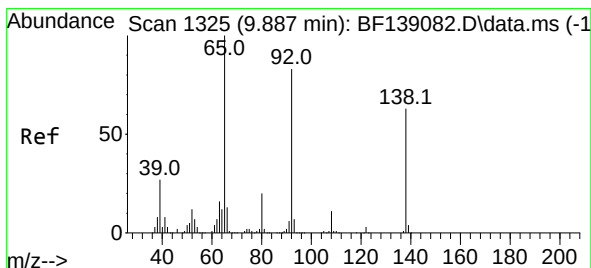
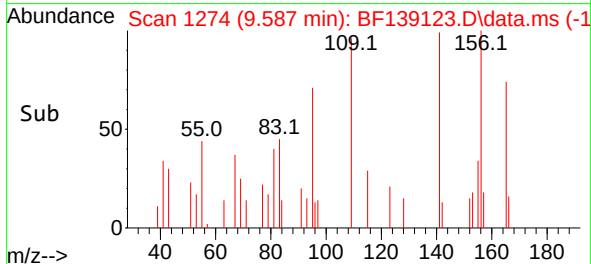
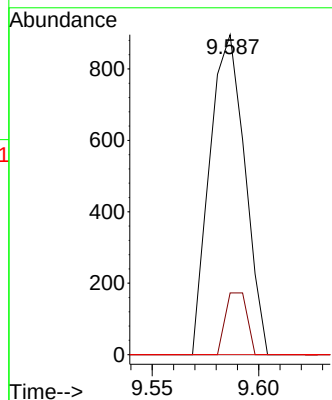
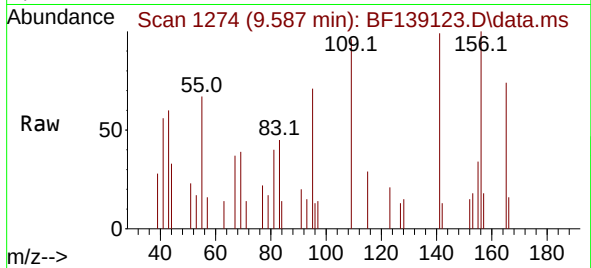




#51
2,6-Dinitrotoluene
Concen: 4.953 ng
RT: 9.587 min Scan# 1119
Delta R.T. -0.129 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

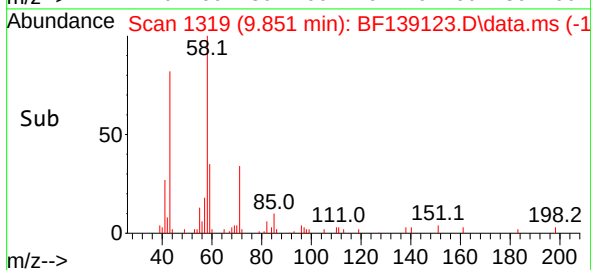
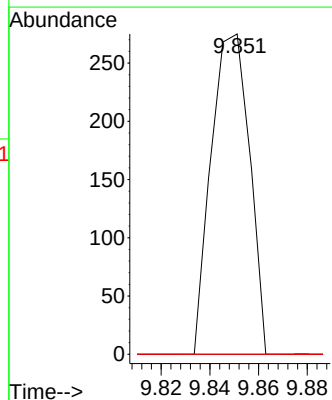
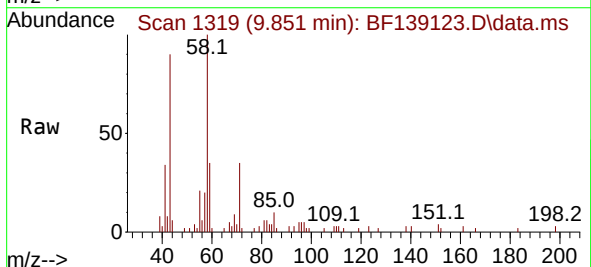
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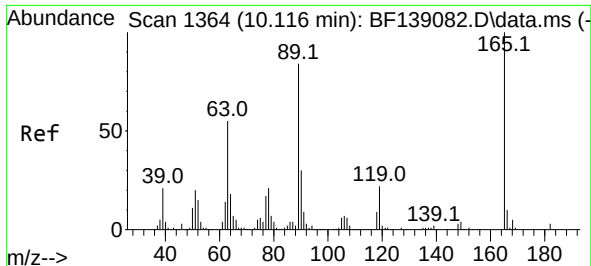
Tgt Ion:165 Resp: 1027
Ion Ratio Lower Upper
165 100
63 19.3 58.0 87.0#
89 0.0 53.3 79.9#



#53
3-Nitroaniline
Concen: 4.302 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.036 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion:138 Resp: 301
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#

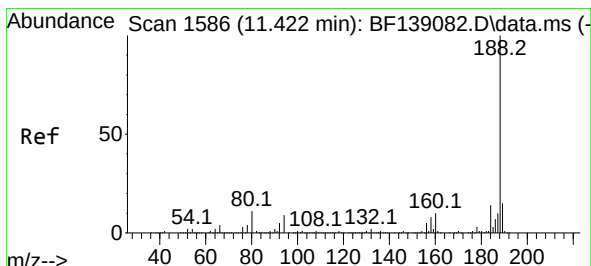
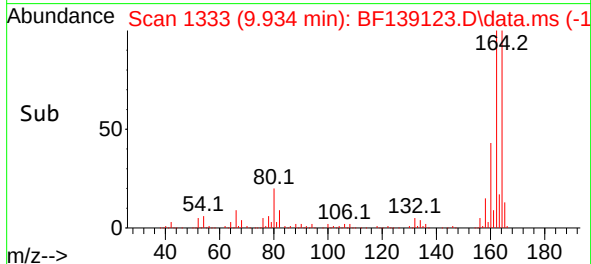
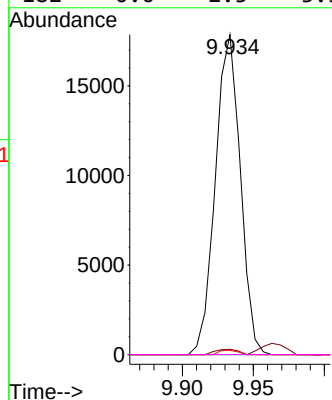
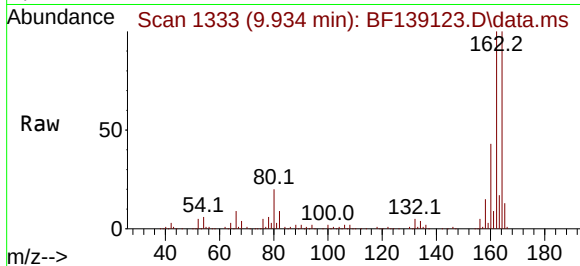




#57
2,4-Dinitrotoluene
Concen: 12.754 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

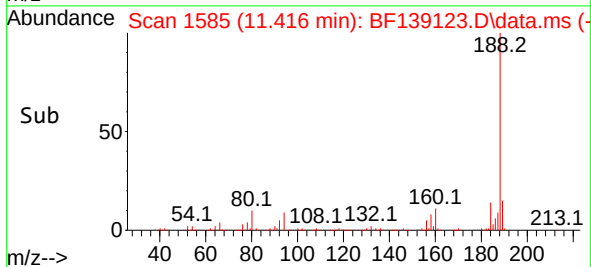
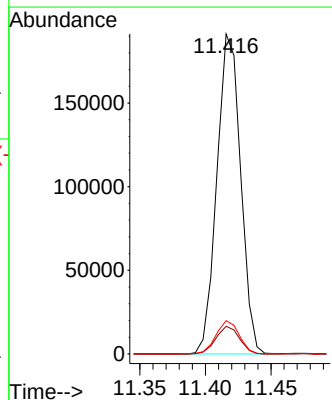
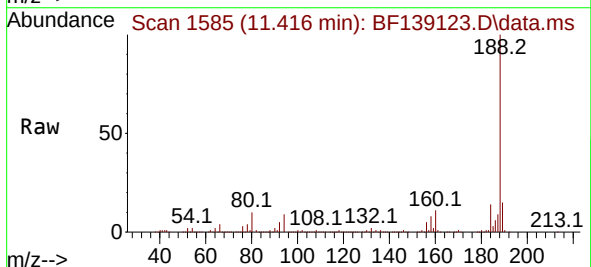
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

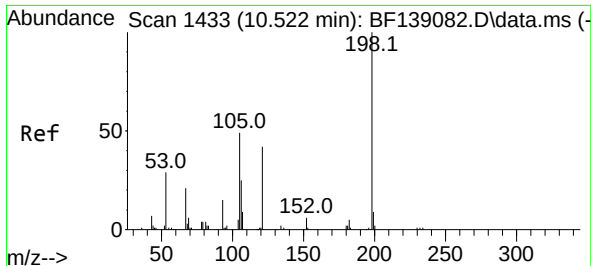
Tgt Ion:165	Resp:	21826
Ion Ratio	Lower	Upper
165	100	
63	1.7	44.2 66.4#
89	1.4	67.4 101.2#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

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





#65

4,6-Dinitro-2-methylphenol

Concen: 6.842 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524

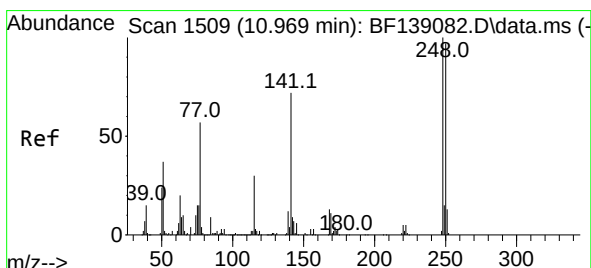
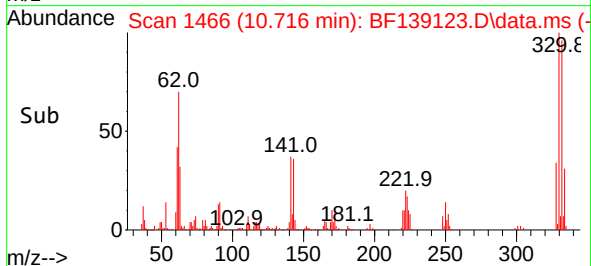
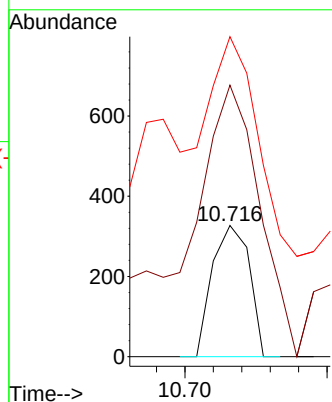
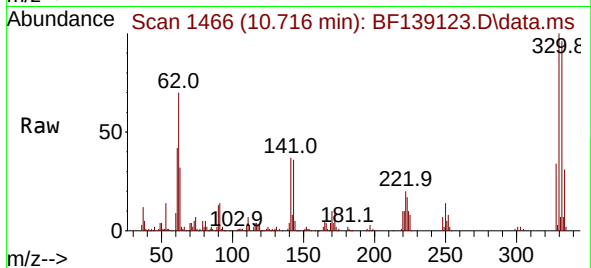
Tgt Ion:198 Resp: 296

Ion Ratio Lower Upper

198 100

51 207.0 40.8 80.8#

105 244.0 30.9 70.9#



#67

4-Bromophenyl-phenylether

Concen: 3.734 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.253 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

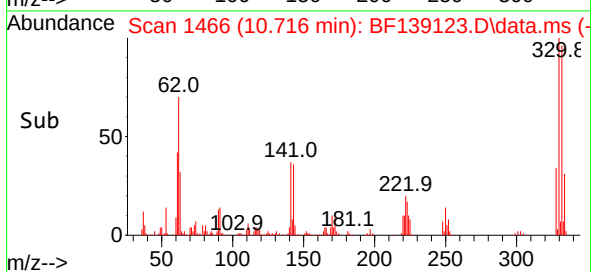
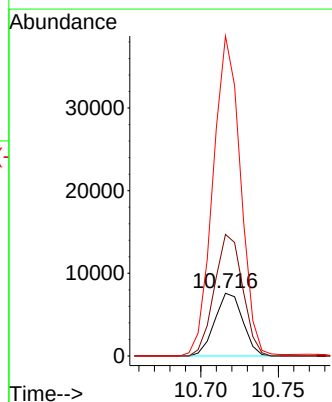
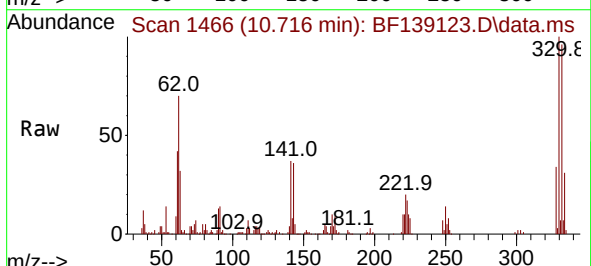
Tgt Ion:248 Resp: 9517

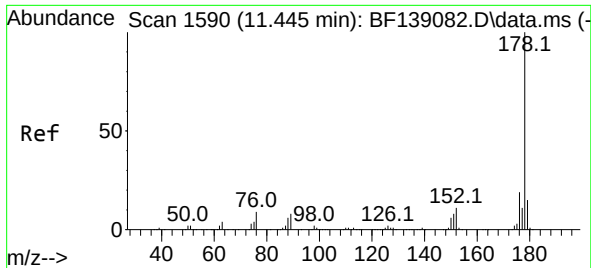
Ion Ratio Lower Upper

248 100

250 194.1 77.8 116.8#

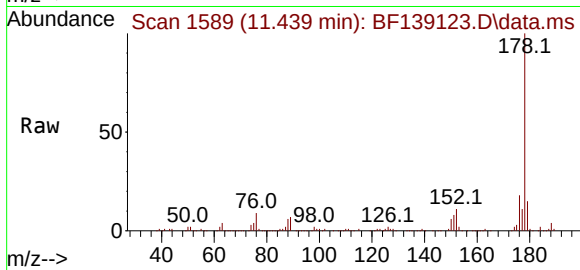
141 510.8 57.9 86.9#



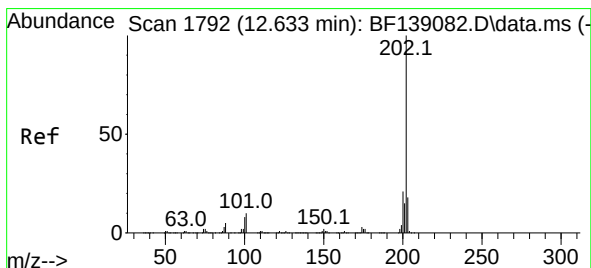
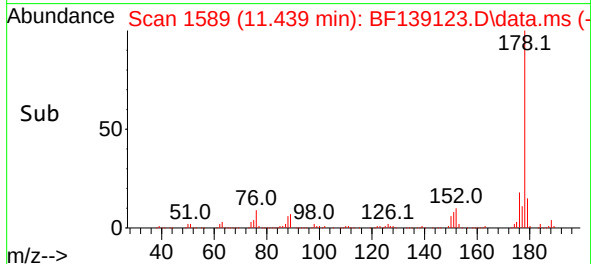
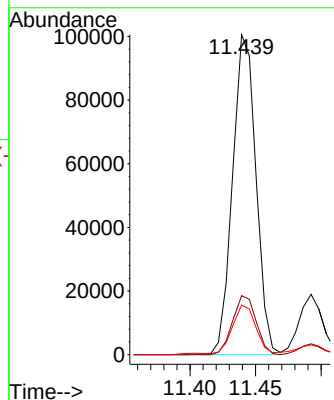


#71
Phenanthrene
Concen: 10.220 ng
RT: 11.439 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

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

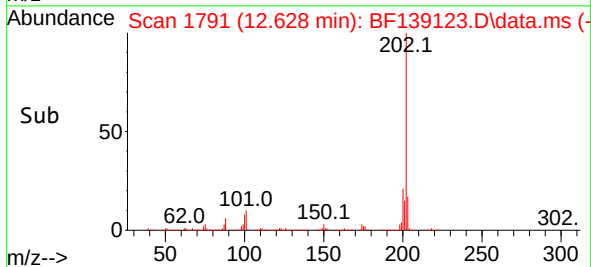
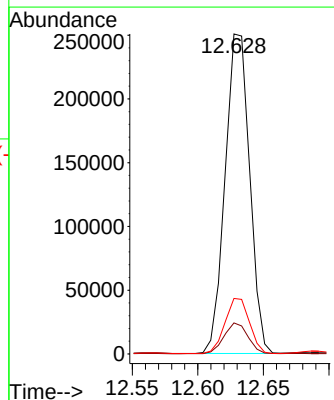
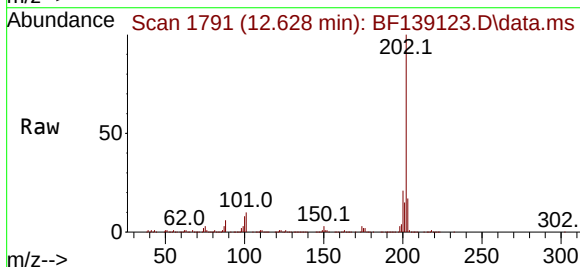


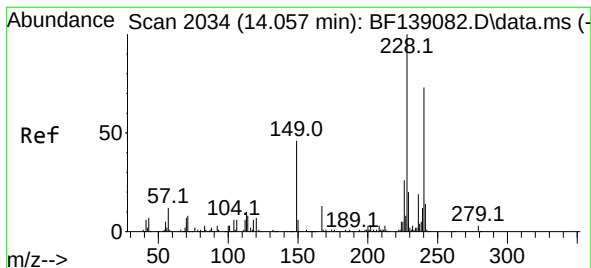
Tgt Ion:178 Resp: 124935
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.5 12.3 18.5



#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

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

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524

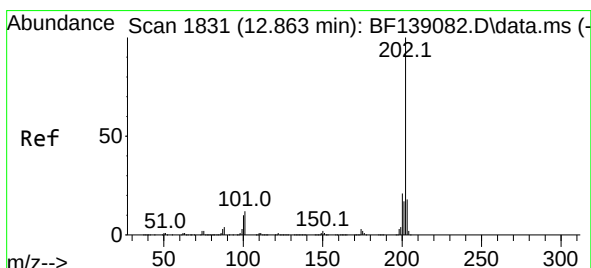
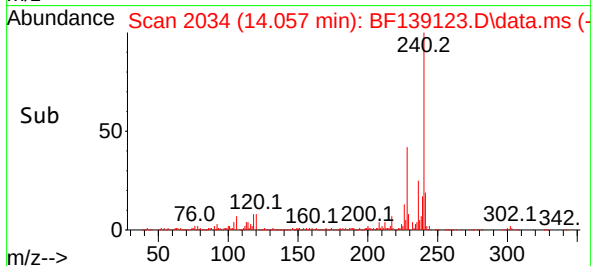
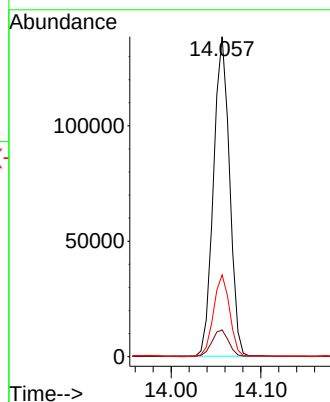
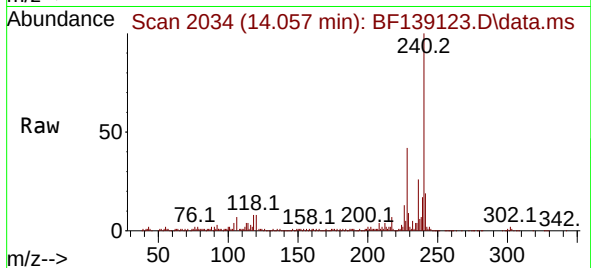
Tgt Ion:240 Resp: 172106

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

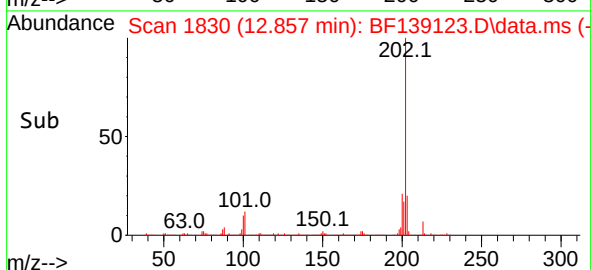
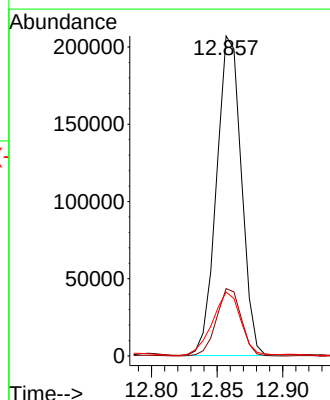
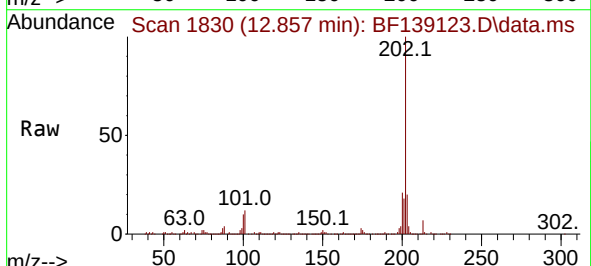
Tgt Ion:202 Resp: 272170

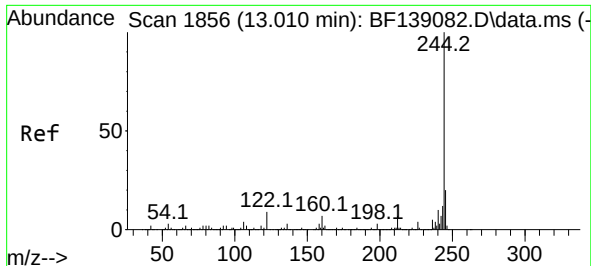
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 19.9 14.1 21.1

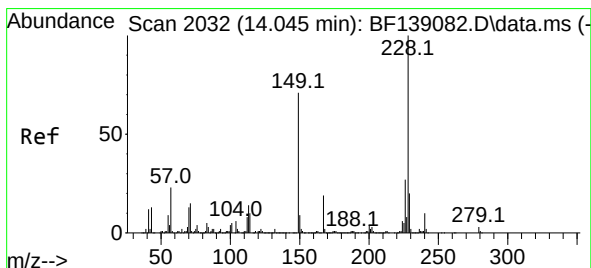
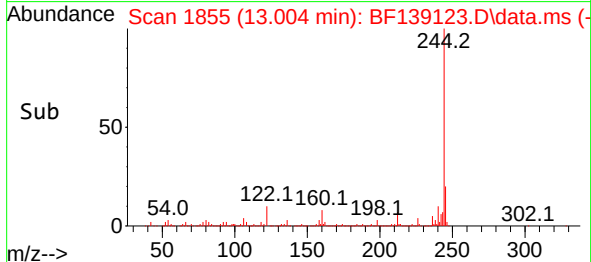
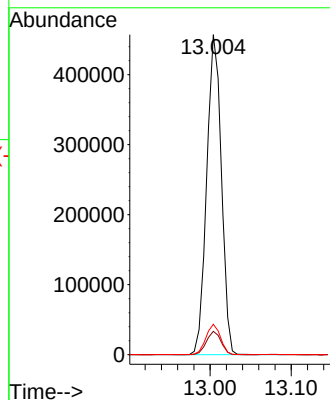
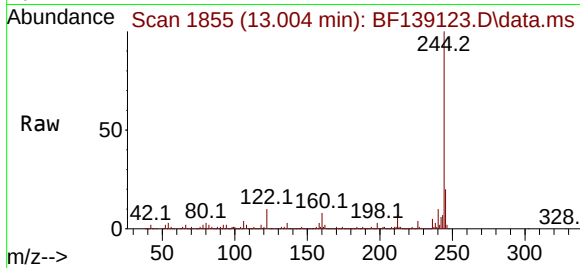




#79
 Terphenyl-d14
 Concen: 55.138 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. -0.006 min
 Lab File: BF139123.D
 Acq: 22 Aug 2024 15:21

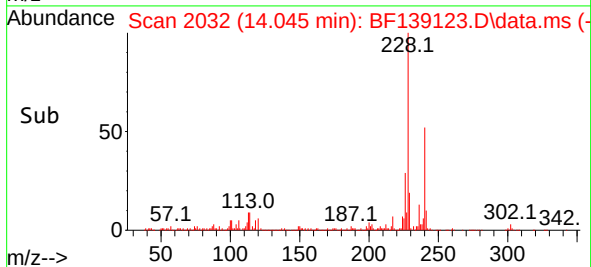
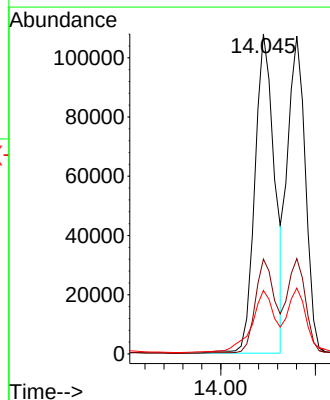
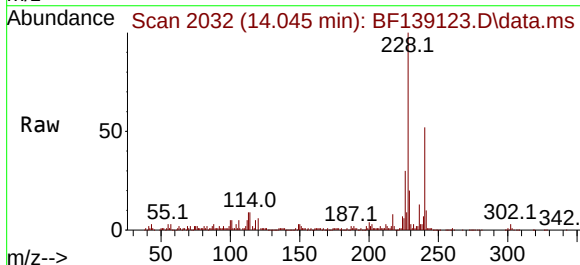
Instrument :
 BNA_F
 ClientSampleId :
 S-910-K1-0.5-1.0-081524

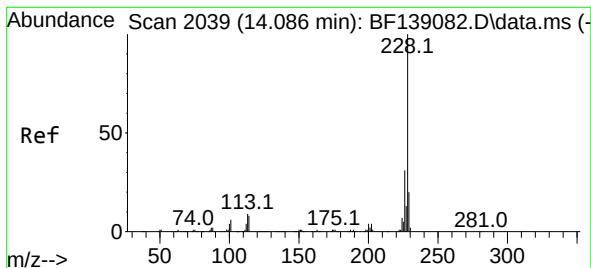
Tgt Ion:244 Resp: 571905
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 9.5 7.6 11.4



#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

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# 2039

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

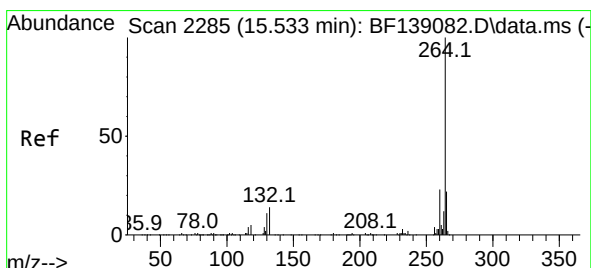
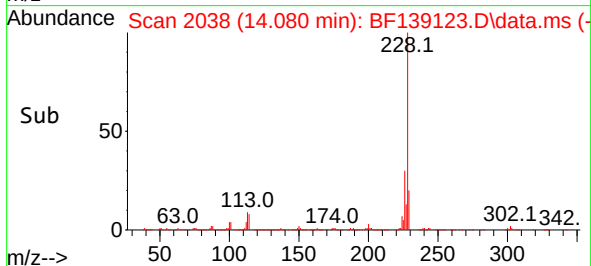
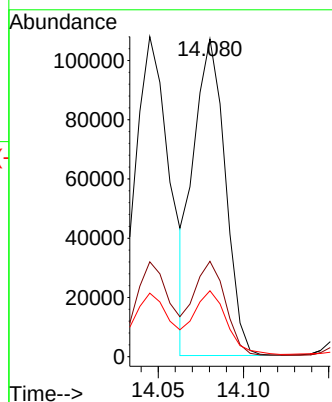
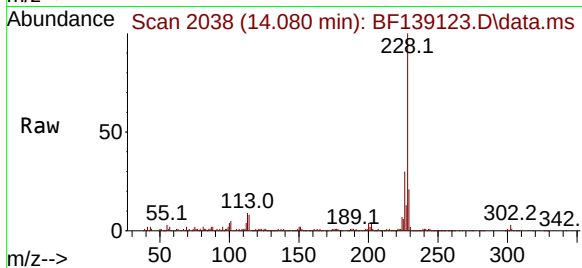
Tgt Ion:228 Resp: 138408

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# 2285

Delta R.T. -0.000 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

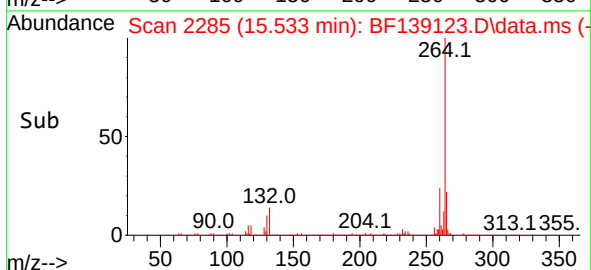
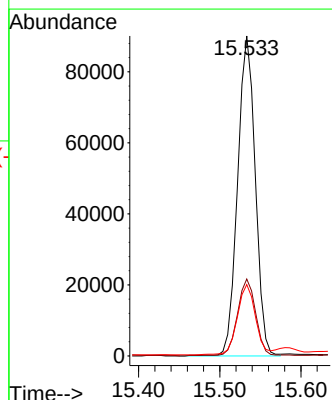
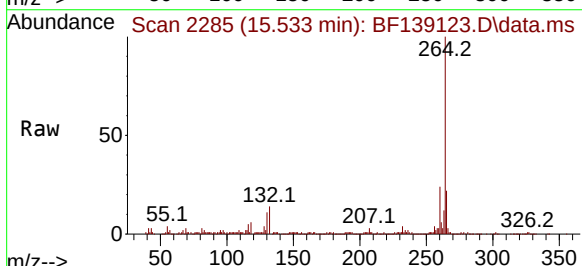
Tgt Ion:264 Resp: 136165

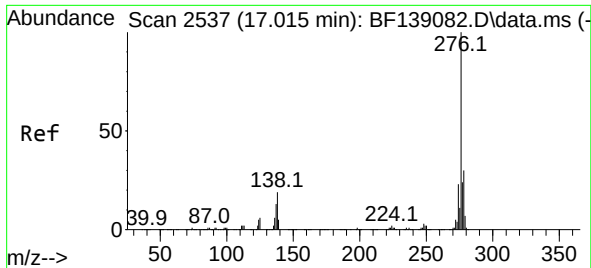
Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 22.3 17.4 26.2

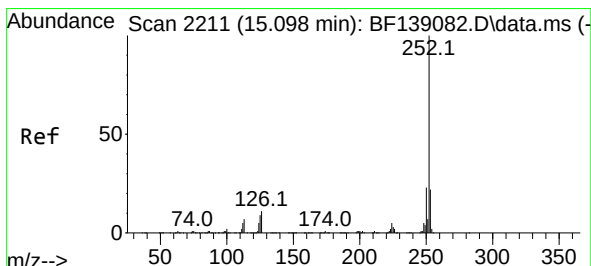
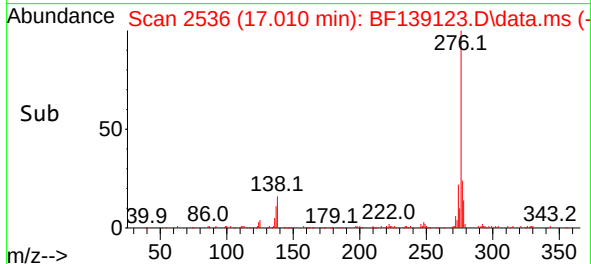
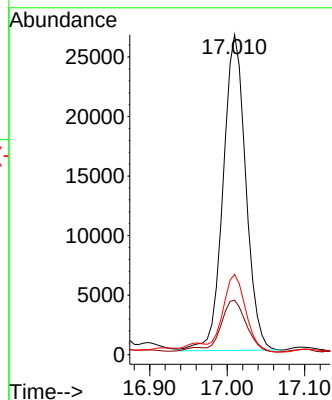
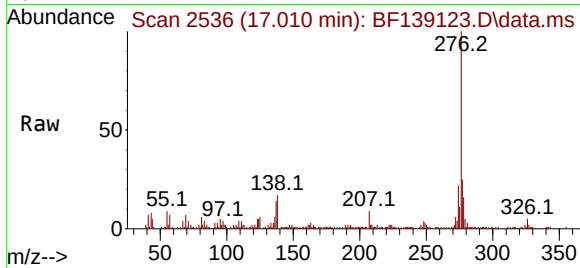




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.769 ng
RT: 17.010 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

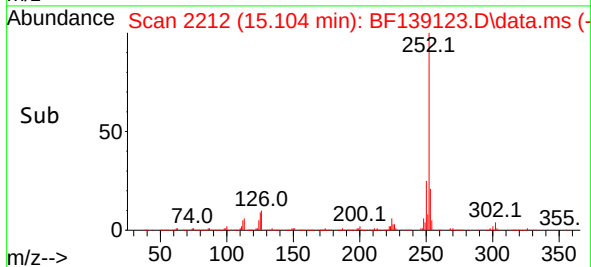
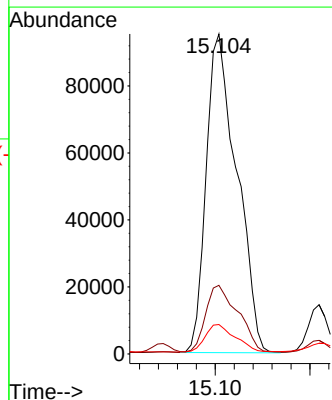
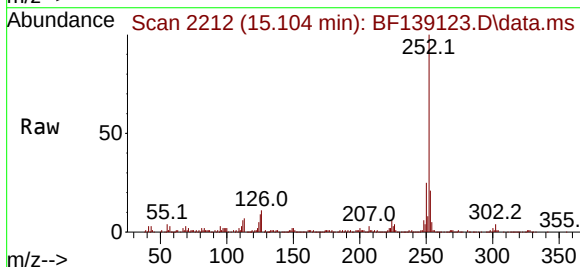
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524

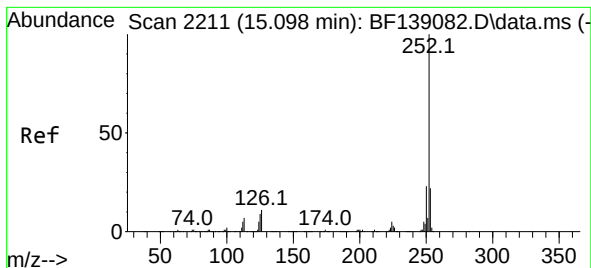
Tgt Ion:276 Resp: 53941
Ion Ratio Lower Upper
276 100
138 19.1 17.3 25.9
277 24.6 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 24.065 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139123.D
Acq: 22 Aug 2024 15:21

Tgt Ion:252 Resp: 213630
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: 28.894 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524

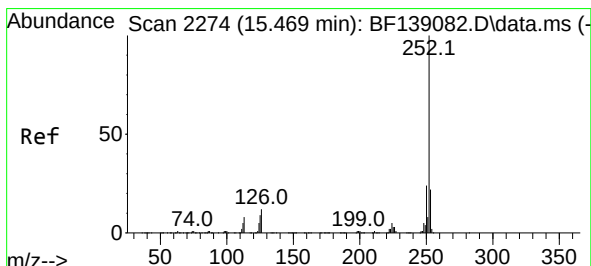
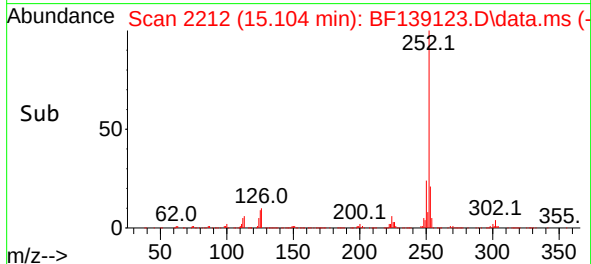
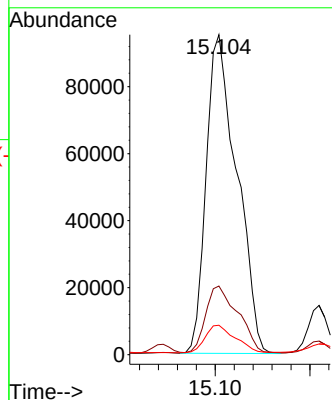
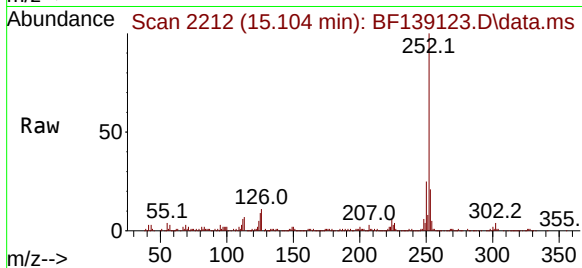
Tgt Ion:252 Resp: 213630

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 9.2 7.0 10.6



#90

Benzo(a)pyrene

Concen: 12.284 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139123.D

Acq: 22 Aug 2024 15:21

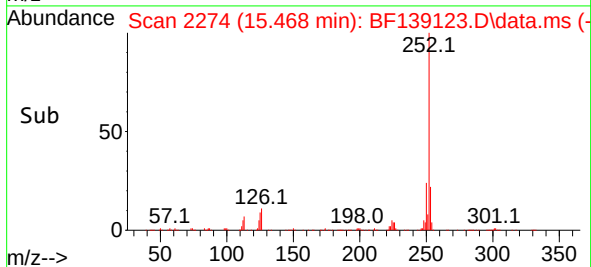
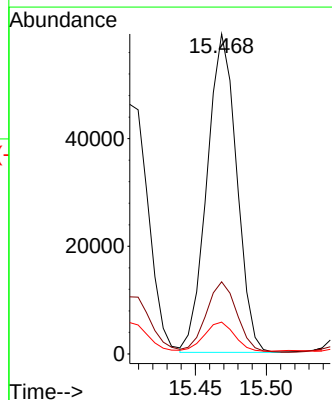
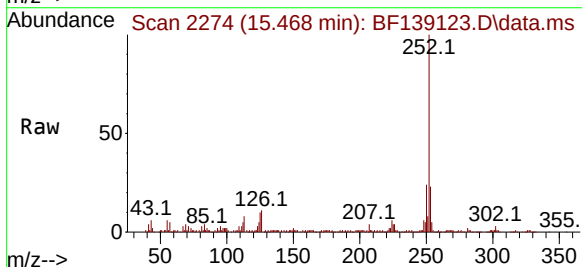
Tgt Ion:252 Resp: 86165

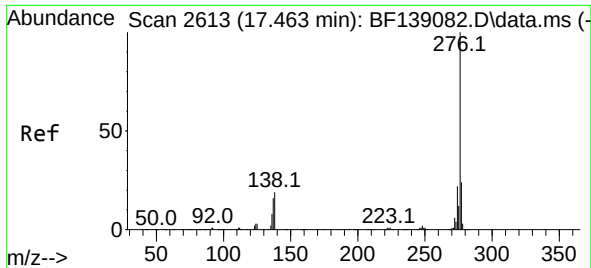
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

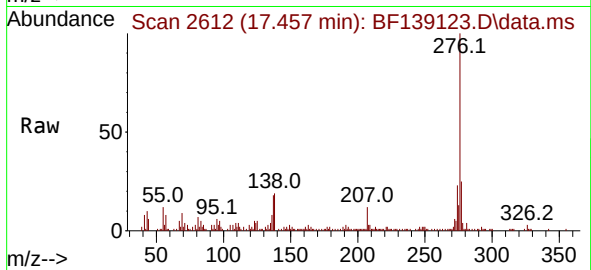
125 9.9 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 9.147 ng
 RT: 17.457 min Scan# 20
 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:	276	Resp:	50411
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.8	28.2
138	18.6	15.0	22.4

