

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139122.D
 Acq On : 22 Aug 2024 14:50
 Operator : RC/JU
 Sample : P3641-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 22 15:18:41 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)

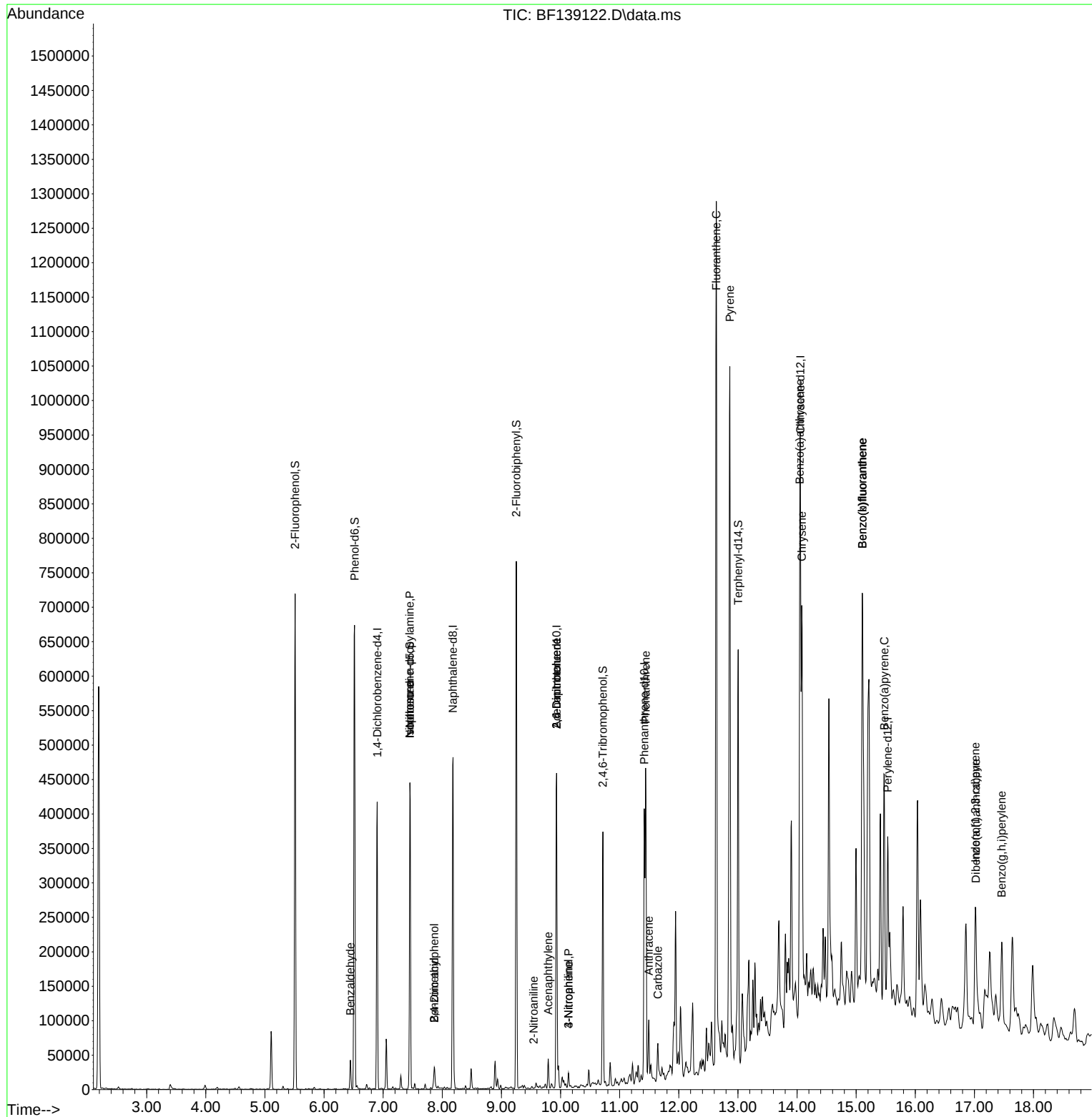
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	79829	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	281865	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	132654	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	198920	20.000	ng	0.00
76) Chrysene-d12	14.057	240	159676	20.000	ng	0.00
86) Perylene-d12	15.533	264	132552	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	230422	44.408	ng	0.00
7) Phenol-d6	6.516	99	286710	42.764	ng	0.00
23) Nitrobenzene-d5	7.451	82	189057	39.084	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	51770	43.109	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	304895	36.467	ng	0.00
79) Terphenyl-d14	13.004	244	269345	27.989	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.446	77	10554	2.684	ng	98
19) n-Nitroso-di-n-propyla...	7.451	70	26162	5.942	ng	# 80
25) Isophorone	7.451	82	188785	18.362	ng	# 69
27) 2,4-Dimethylphenol	7.863	122	9358	2.870	ng	# 1
32) Benzoic acid	7.863	122	9358	11.194	ng	97
48) 2-Nitroaniline	9.545	65	54	5.680	ng	# 11
49) Acenaphthylene	9.792	152	24698	2.335	ng	99
51) 2,6-Dinitrotoluene	9.934	165	16575	13.658	ng	# 17
53) 3-Nitroaniline	10.134	138	60	4.208	ng	# 1
56) 4-Nitrophenol	10.134	139	2978	2.406	ng	# 1
57) 2,4-Dinitrotoluene	9.934	165	16575	12.664	ng	# 17
71) Phenanthrene	11.439	178	231739	22.920	ng	99
72) Anthracene	11.492	178	48538	4.909	ng	98
73) Carbazole	11.645	167	24855	2.692	ng	99
75) Fluoranthene	12.633	202	664510	61.577	ng	99
78) Pyrene	12.863	202	553616	41.546	ng	99
81) Benzo(a)anthracene	14.045	228	314615	29.974	ng	97
83) Chrysene	14.080	228	305052	32.063	ng	99
87) Indeno(1,2,3-cd)pyrene	17.015	276	127759	16.469	ng	# 93
88) Benzo(b)fluoranthene	15.104	252	497840	57.610	ng	99
89) Benzo(k)fluoranthene	15.104	252	497840	69.170	ng	99
90) Benzo(a)pyrene	15.474	252	192876	28.247	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	30879	4.849	ng	97
92) Benzo(g,h,i)perylene	17.462	276	114221	17.580	ng	98

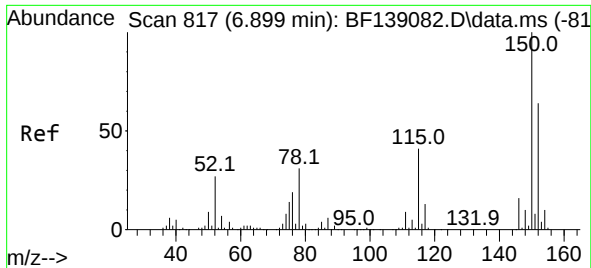
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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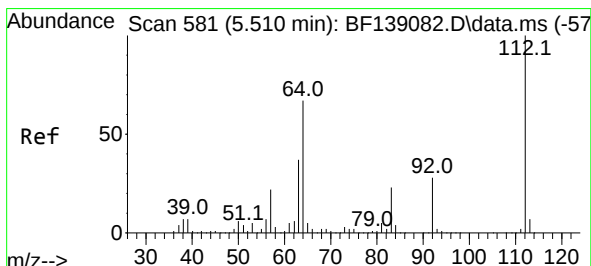
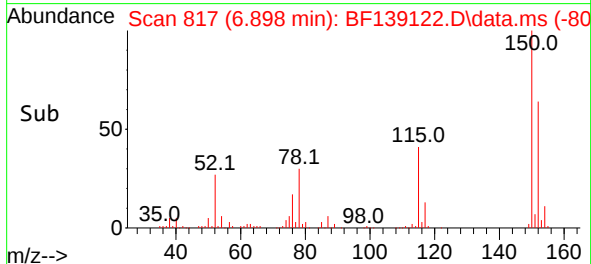
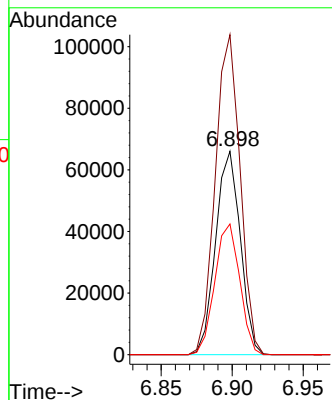
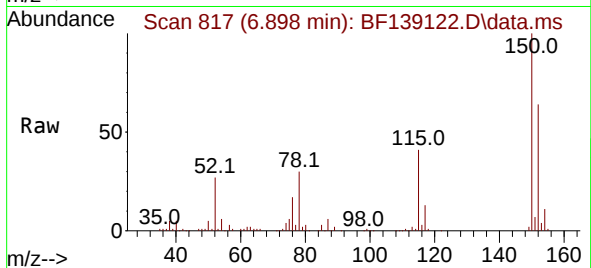




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

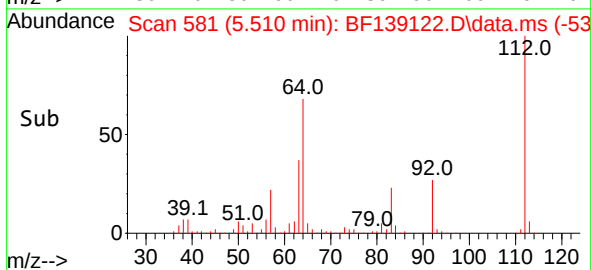
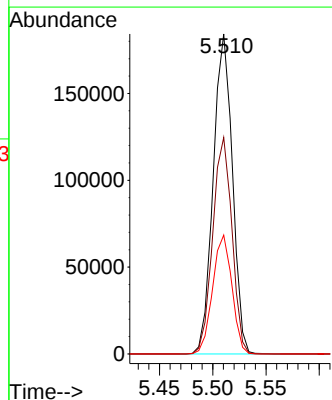
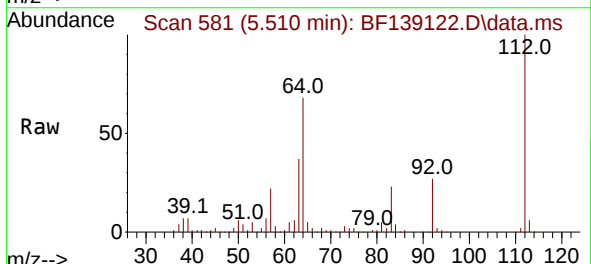
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

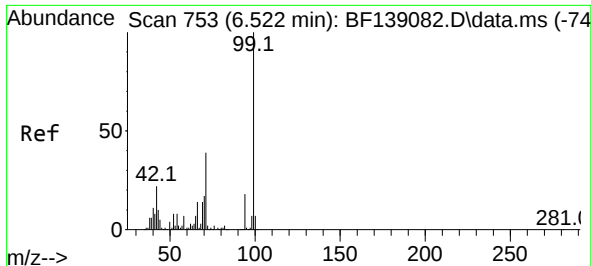
Tgt Ion:152 Resp: 79829
Ion Ratio Lower Upper
152 100
150 157.3 125.1 187.7
115 64.2 51.8 77.6



#5
2-Fluorophenol
Concen: 44.408 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion:112 Resp: 230422
Ion Ratio Lower Upper
112 100
64 67.7 53.8 80.6
63 37.1 29.4 44.2

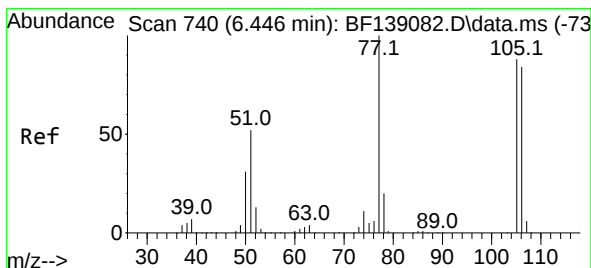
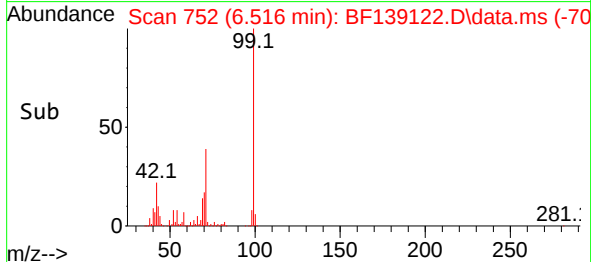
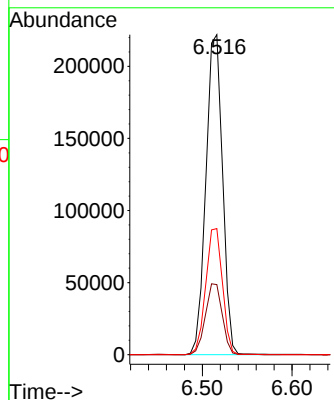
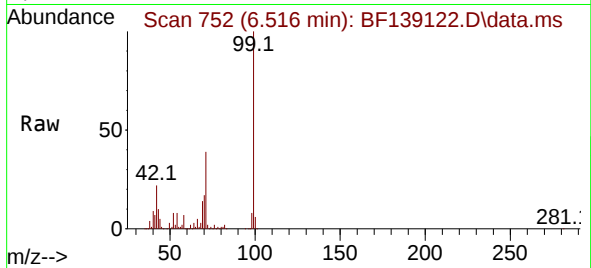




#7
Phenol-d6
Concen: 42.764 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

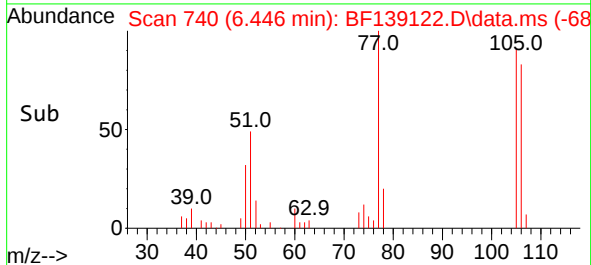
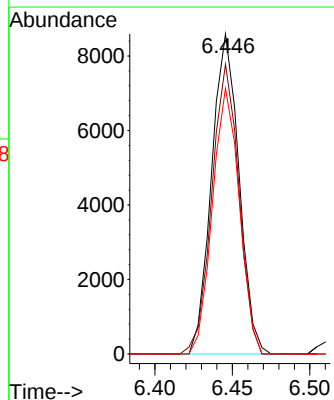
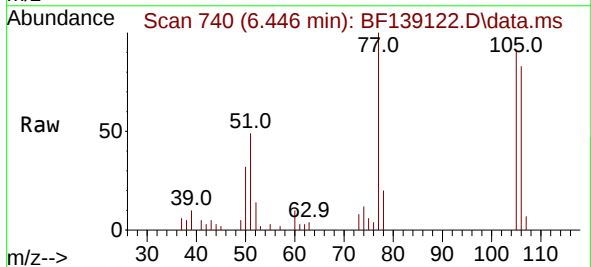
Instrument :
BNA_F
ClientSampleId :
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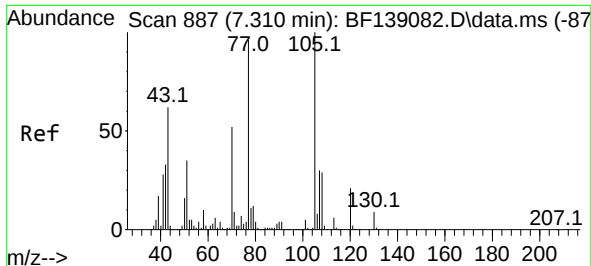
Tgt Ion: 99 Resp: 286710
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 39.4 31.2 46.8



#9
Benzaldehyde
Concen: 2.684 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

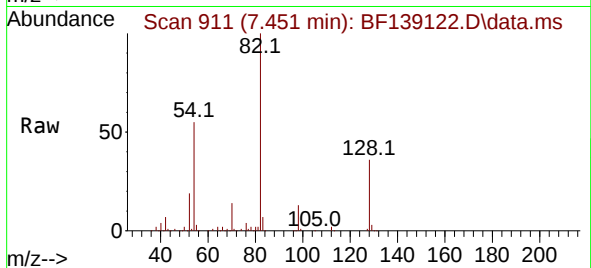
Tgt Ion: 77 Resp: 10554
Ion Ratio Lower Upper
77 100
105 90.6 68.2 108.2
106 83.0 63.8 103.8



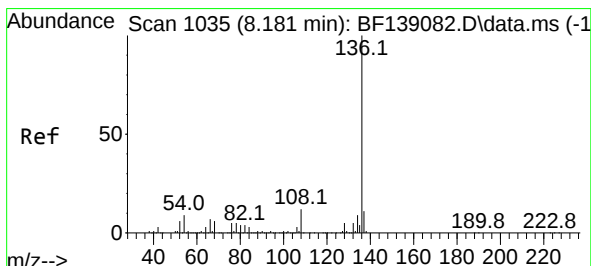
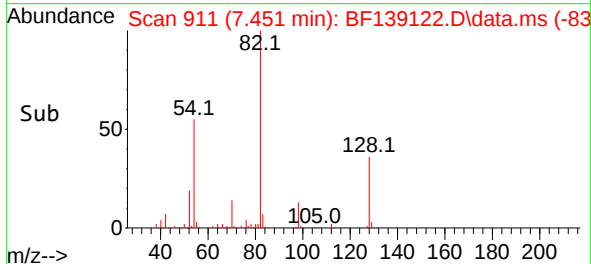
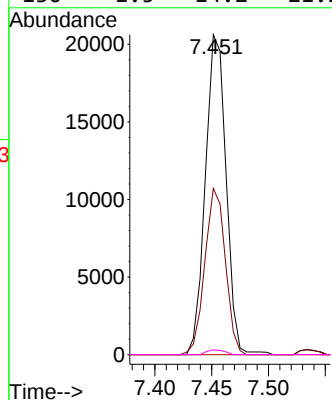


#19
n-Nitroso-di-n-propylamine
Concen: 5.942 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

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

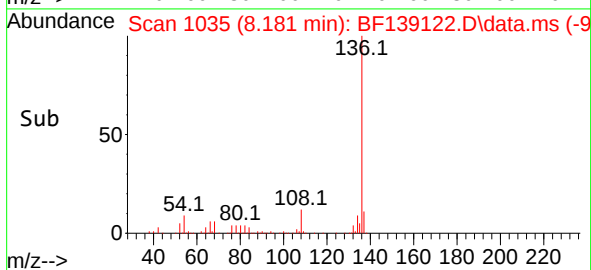
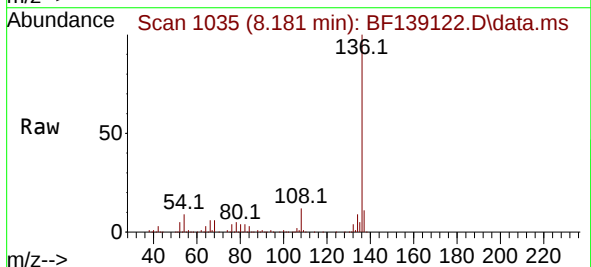
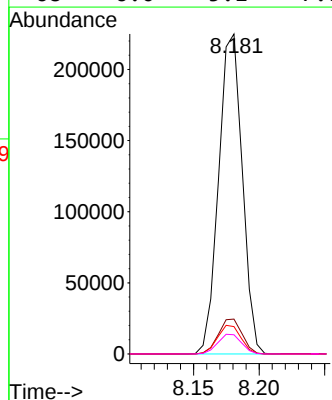


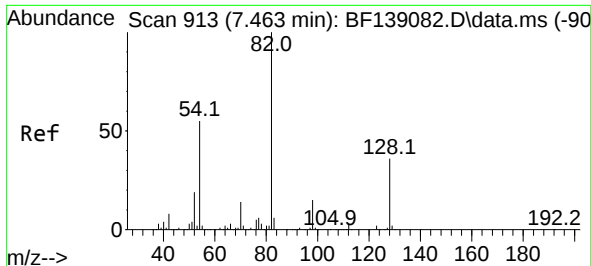
Tgt Ion: 70 Resp: 26162
Ion Ratio Lower Upper
70 100
42 51.9 50.5 75.7
101 0.0 7.2 10.8#
130 1.5 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion: 136 Resp: 281865
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.6 7.6 11.4
68 6.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 39.084 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139122.D

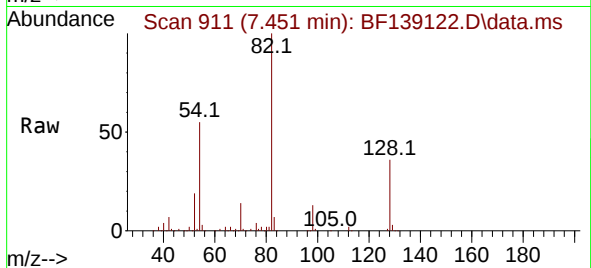
Acq: 22 Aug 2024 14:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD



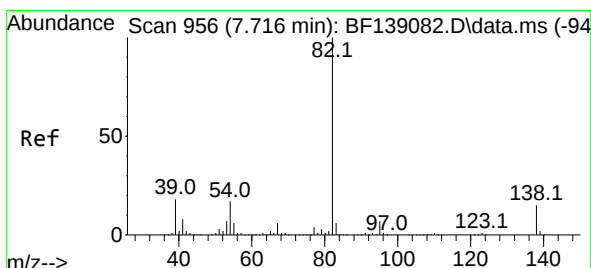
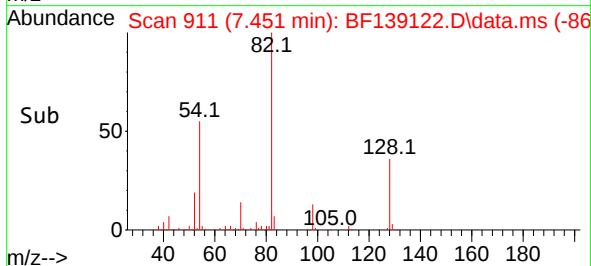
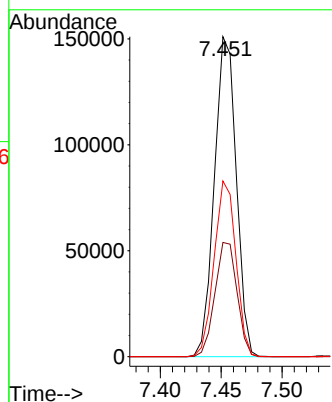
Tgt Ion: 82 Resp: 189057

Ion Ratio Lower Upper

82 100

128 35.7 29.0 43.4

54 54.9 43.4 65.2



#25

Isophorone

Concen: 18.362 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

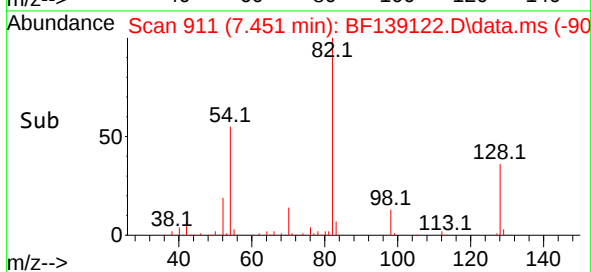
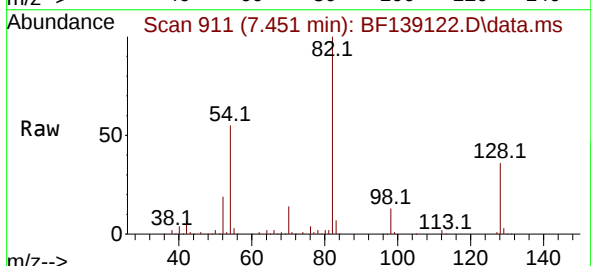
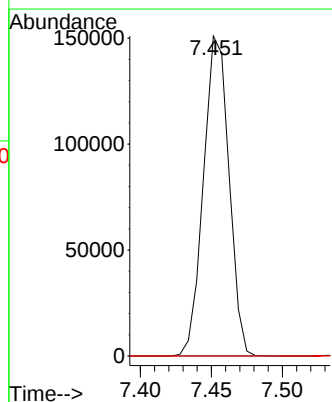
Tgt Ion: 82 Resp: 188785

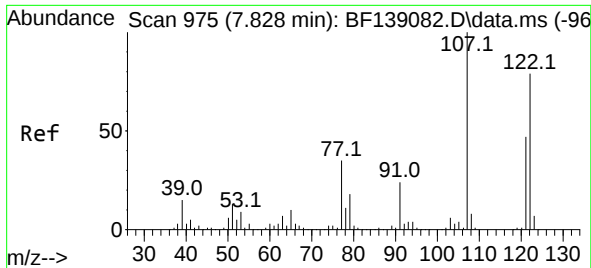
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 11.8 17.8#





#27

2,4-Dimethylphenol

Concen: 2.870 ng

RT: 7.863 min Scan# 981

Delta R.T. 0.035 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

Instrument :

BNA_F

ClientSampleId :

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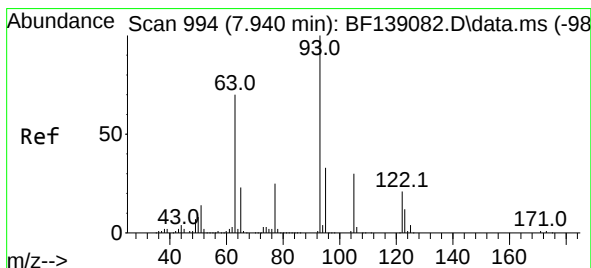
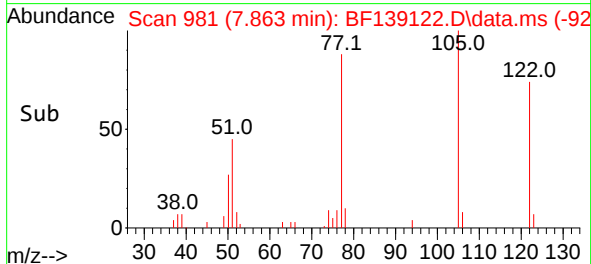
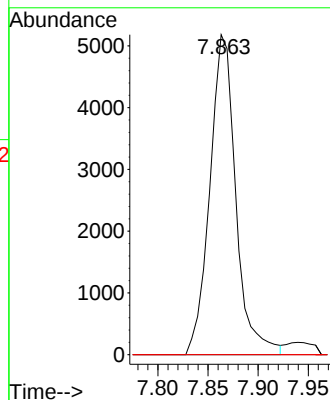
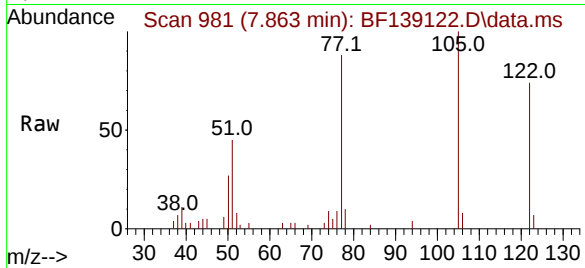
Tgt Ion:122 Resp: 9358

Ion Ratio Lower Upper

122 100

107 0.0 101.1 151.7#

121 0.0 47.5 71.3#



#32

Benzoic acid

Concen: 11.194 ng

RT: 7.863 min Scan# 981

Delta R.T. -0.077 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

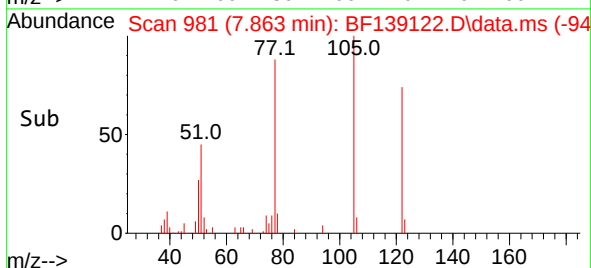
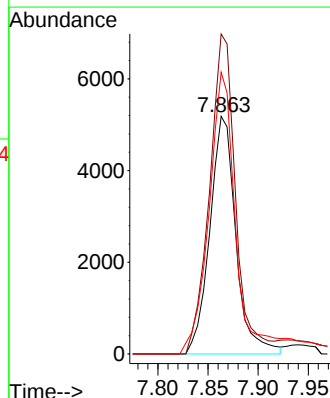
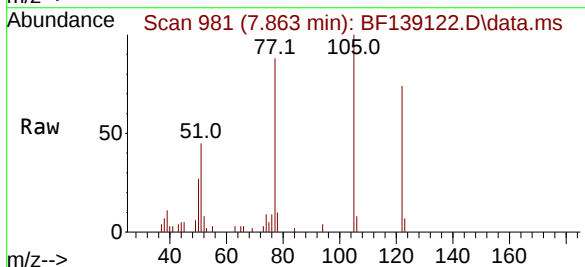
Tgt Ion:122 Resp: 9358

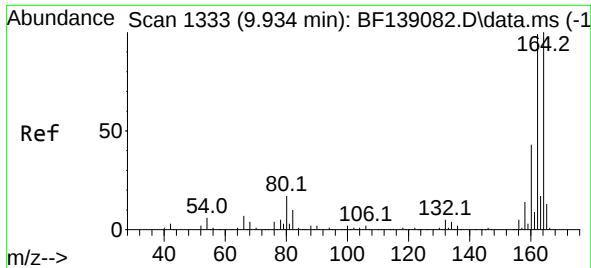
Ion Ratio Lower Upper

122 100

105 134.7 119.6 159.6

77 118.6 97.6 137.6

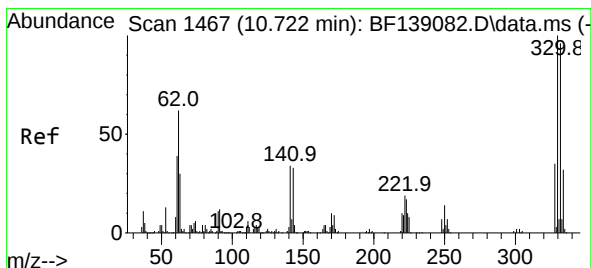
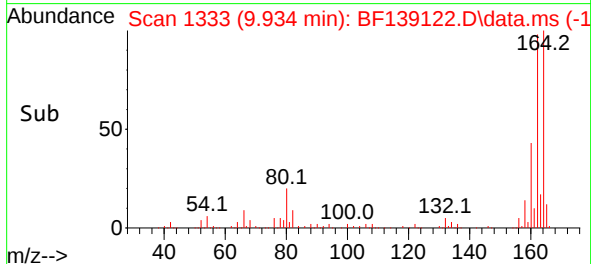
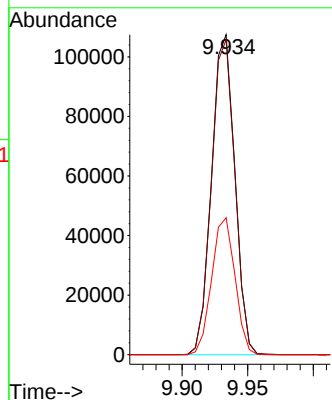
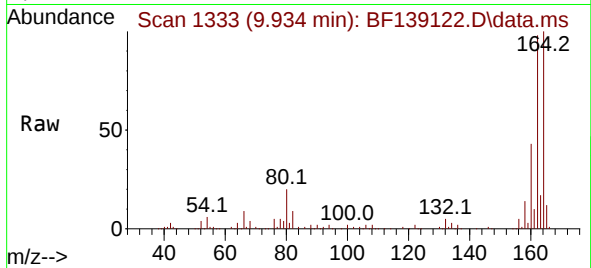




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

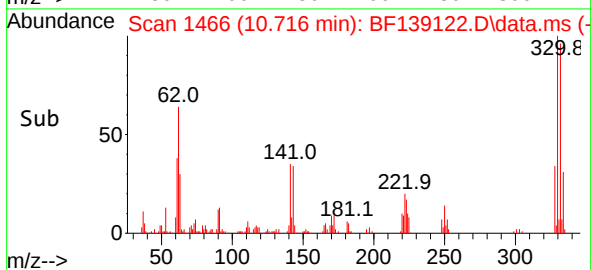
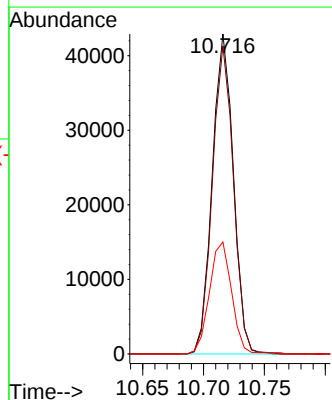
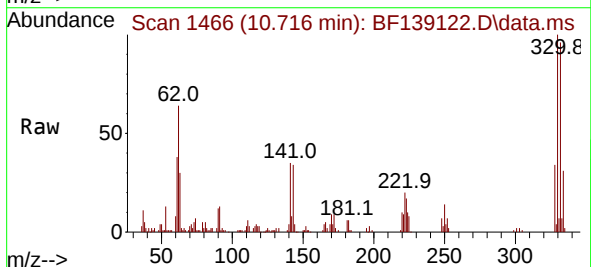
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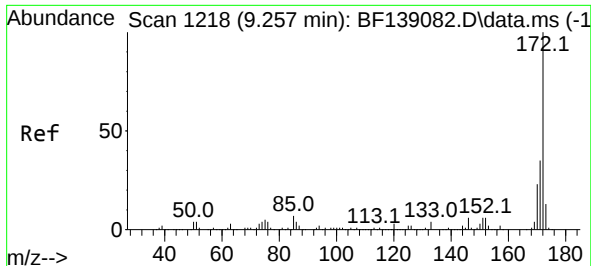
Tgt Ion:164 Resp: 132654
Ion Ratio Lower Upper
164 100
162 98.5 79.5 119.3
160 42.8 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 43.109 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion:330 Resp: 51770
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 36.9 27.5 41.3

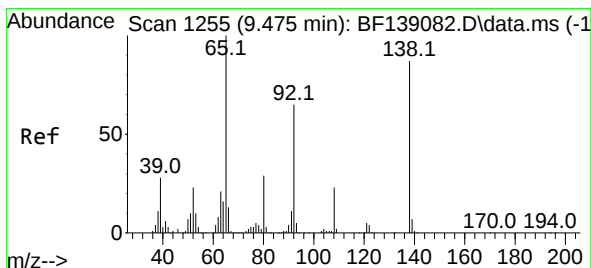
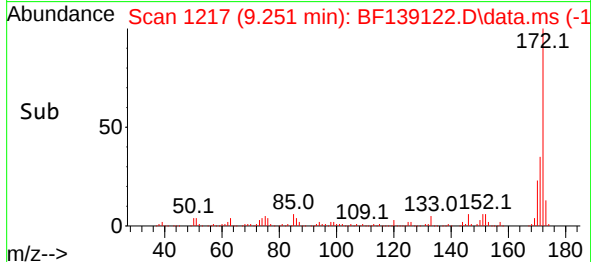
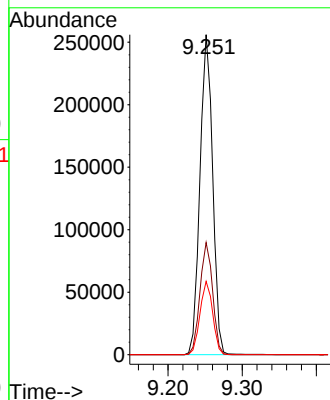
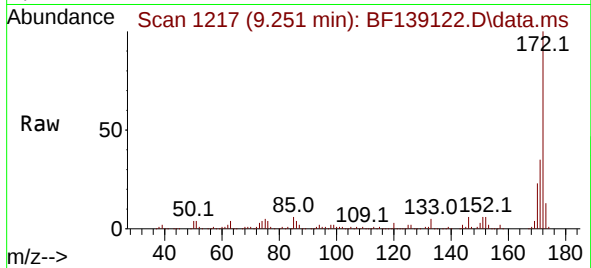




#45
2-Fluorobiphenyl
Concen: 36.467 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

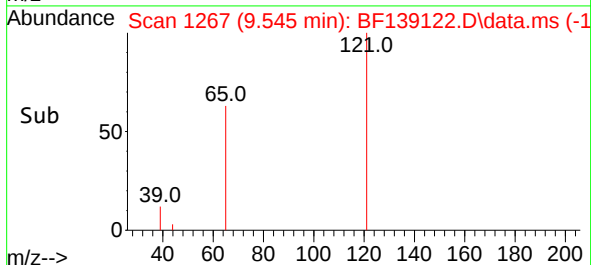
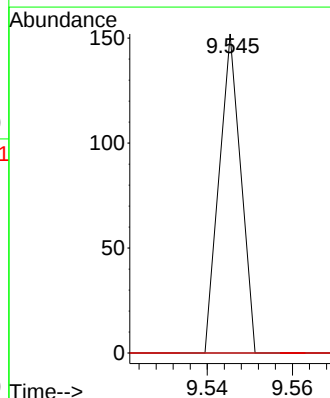
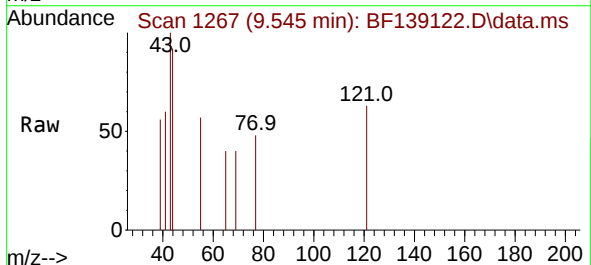
Instrument :
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ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

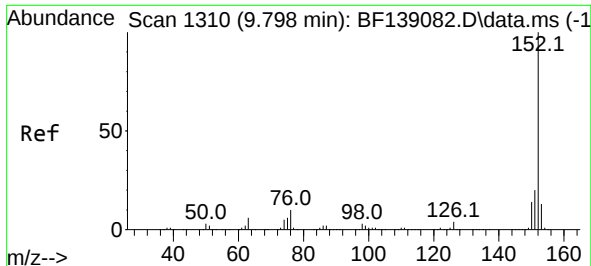
Tgt Ion:172 Resp: 304895
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 22.9 18.8 28.2



#48
2-Nitroaniline
Concen: 5.680 ng
RT: 9.545 min Scan# 1267
Delta R.T. 0.070 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 52.4 78.6#
138 0.0 69.4 104.0#





#49

Acenaphthylene

Concen: 2.335 ng

RT: 9.792 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD

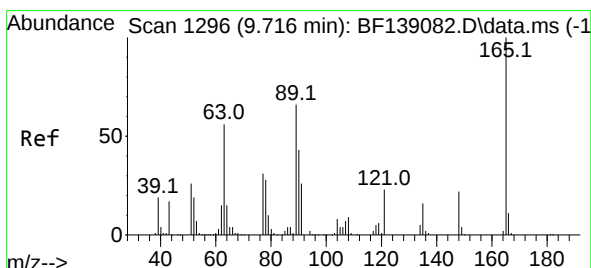
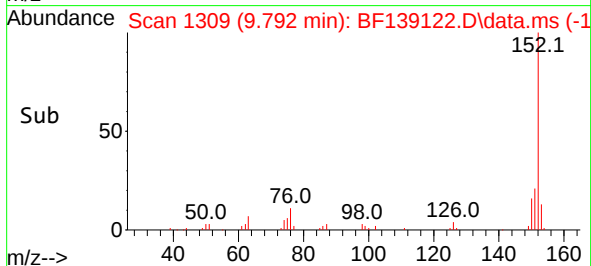
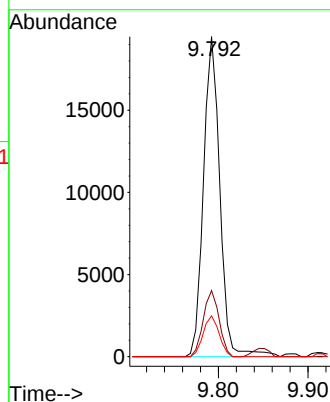
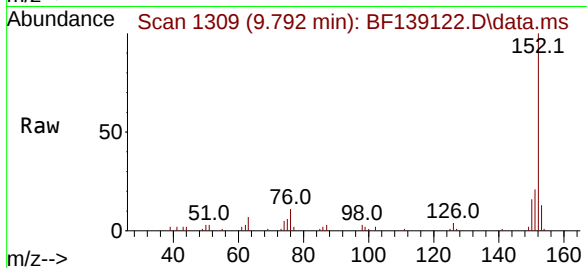
Tgt Ion:152 Resp: 24698

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.2

153 12.8 10.6 15.8



#51

2,6-Dinitrotoluene

Concen: 13.658 ng

RT: 9.934 min Scan# 1333

Delta R.T. 0.218 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

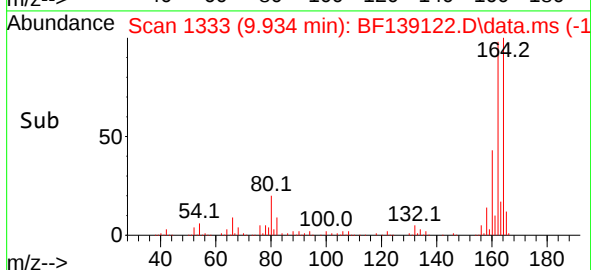
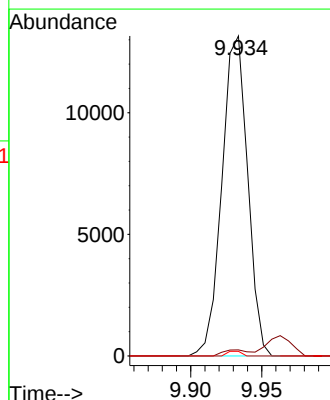
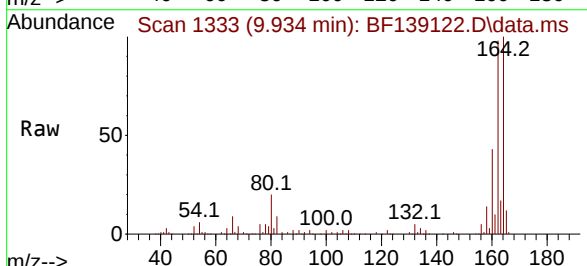
Tgt Ion:165 Resp: 16575

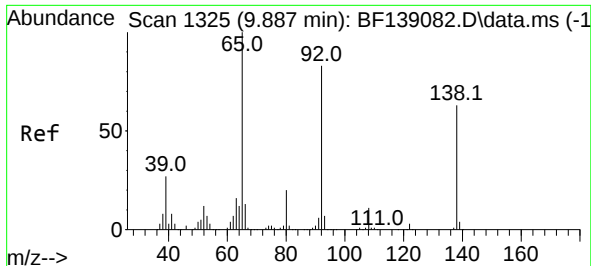
Ion Ratio Lower Upper

165 100

63 1.9 58.0 87.0#

89 1.4 53.3 79.9#

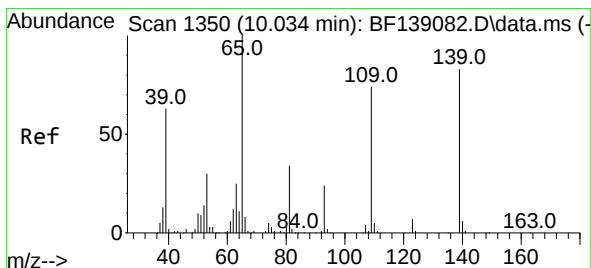
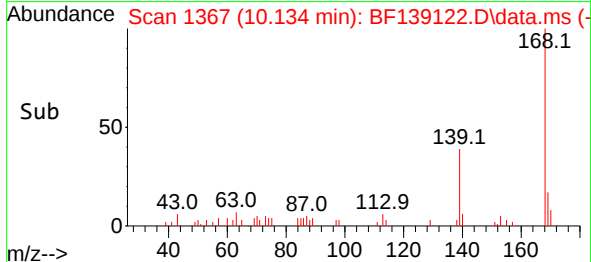
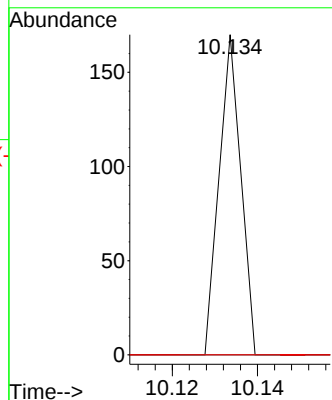
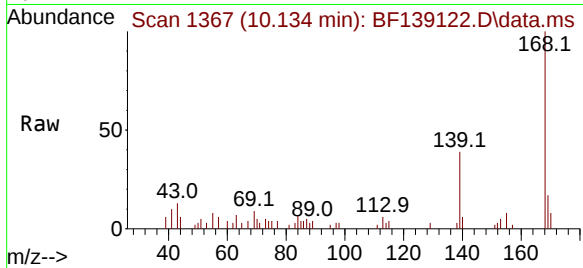




#53
3-Nitroaniline
Concen: 4.208 ng
RT: 10.134 min Scan# 1367
Delta R.T. 0.247 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

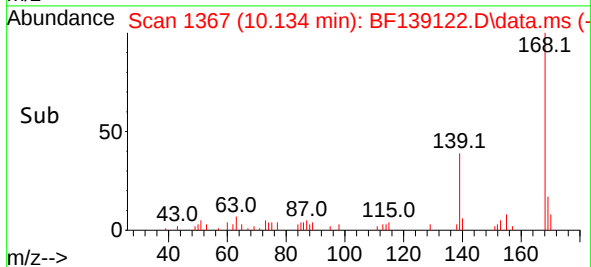
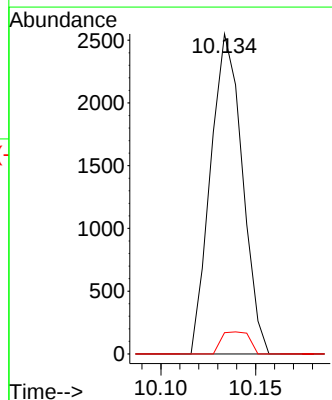
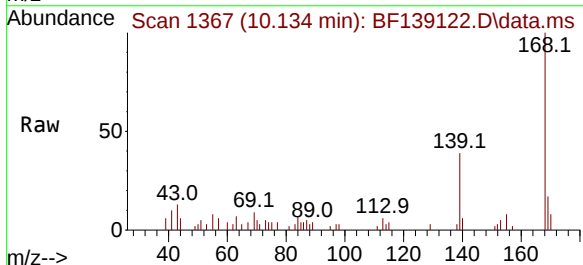
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

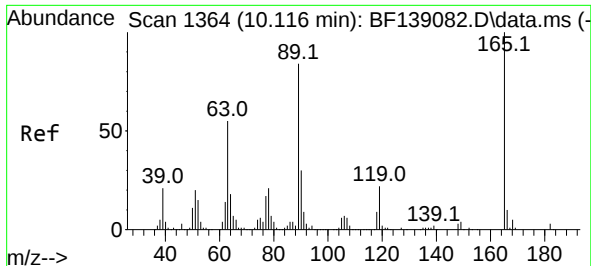
Tgt Ion:138 Resp: 60
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#



#56
4-Nitrophenol
Concen: 2.406 ng
RT: 10.134 min Scan# 1367
Delta R.T. 0.100 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion:139 Resp: 2978
Ion Ratio Lower Upper
139 100
109 0.0 68.8 108.8#
65 6.6 101.3 141.3#

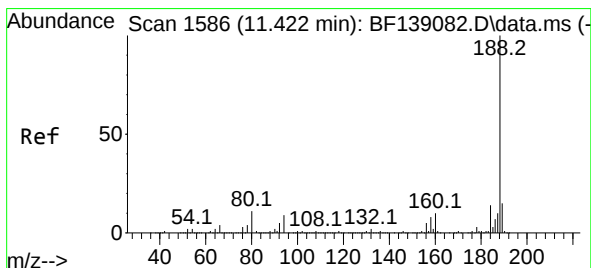
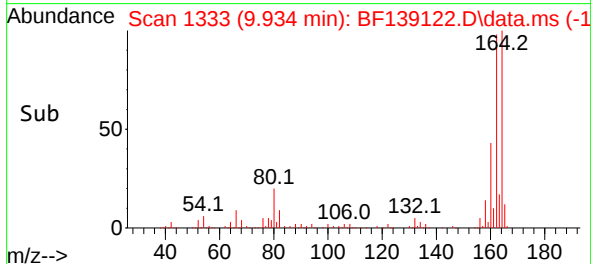
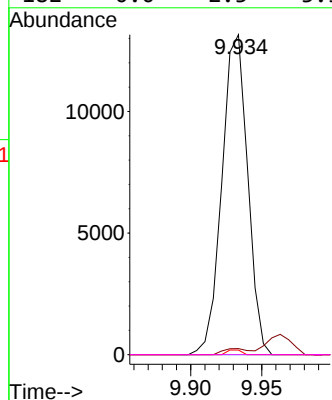
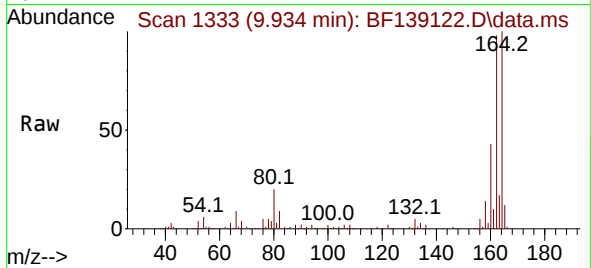




#57
2,4-Dinitrotoluene
Concen: 12.664 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

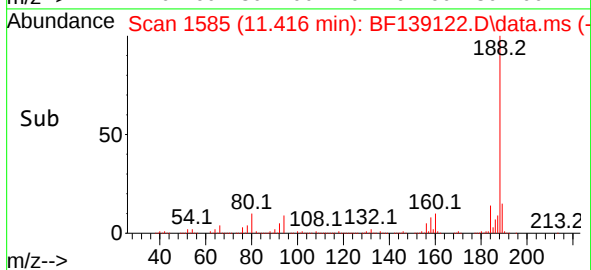
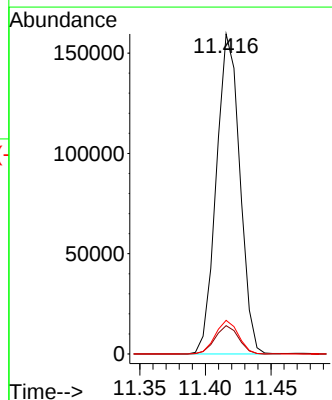
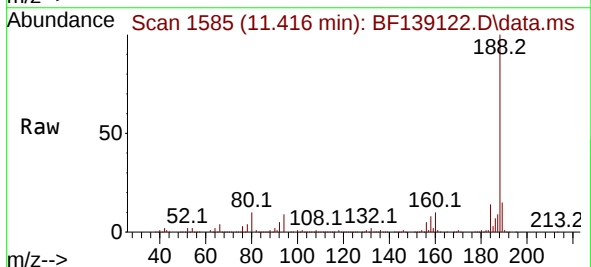
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

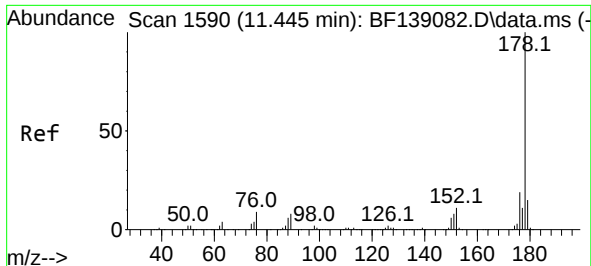
Tgt Ion:165 Resp: 16575
Ion Ratio Lower Upper
165 100
63 1.9 44.2 66.4#
89 1.4 67.4 101.2#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion:188 Resp: 198920
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 10.5 8.5 12.7

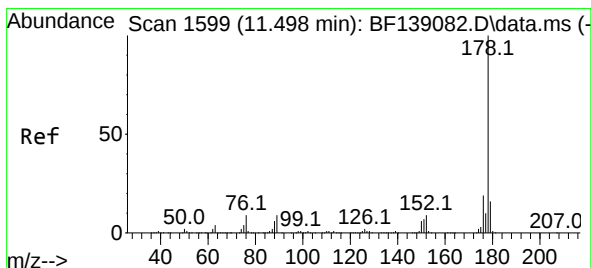
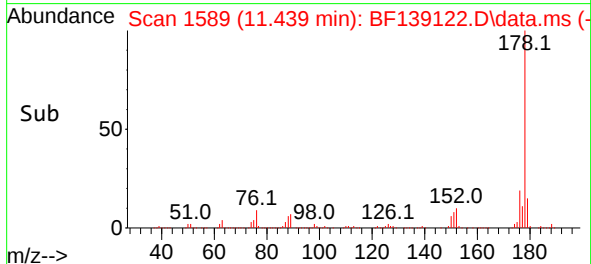
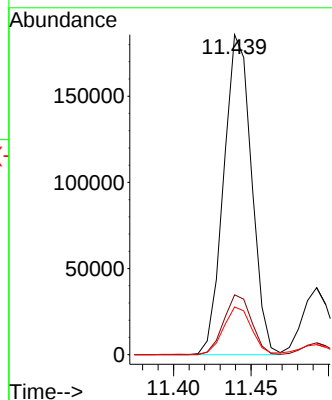
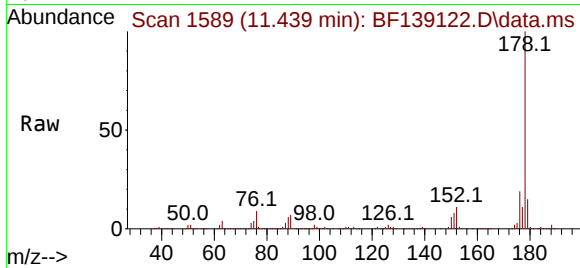




#71
Phenanthrene
Concen: 22.920 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

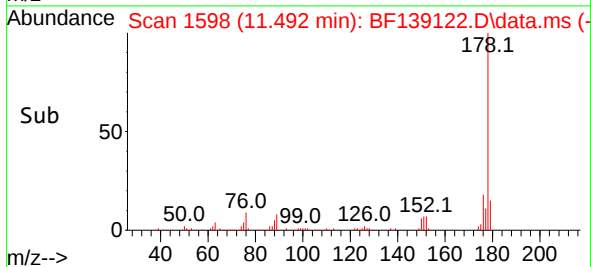
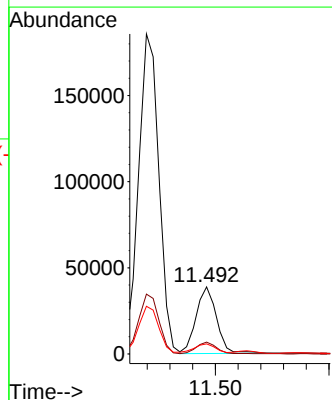
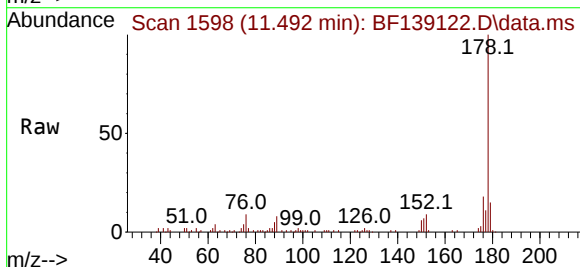
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

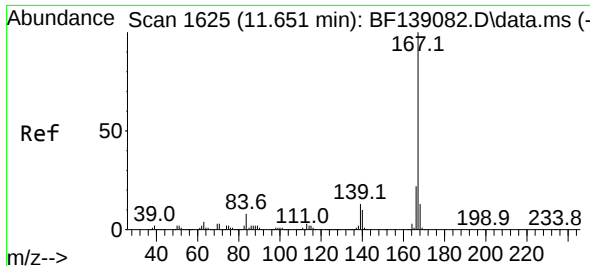
Tgt Ion:178 Resp: 231739
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 14.9 12.3 18.5



#72
Anthracene
Concen: 4.909 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion:178 Resp: 48538
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.4
179 15.1 12.4 18.6

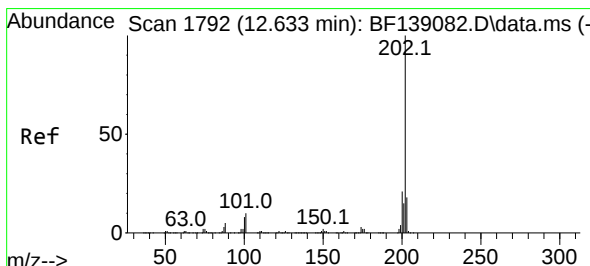
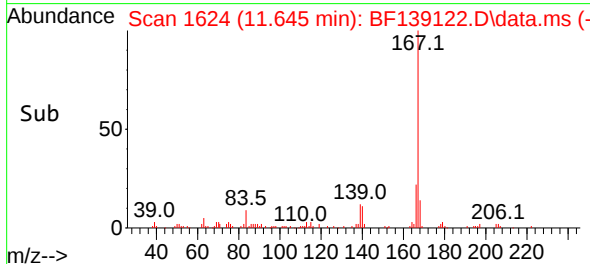
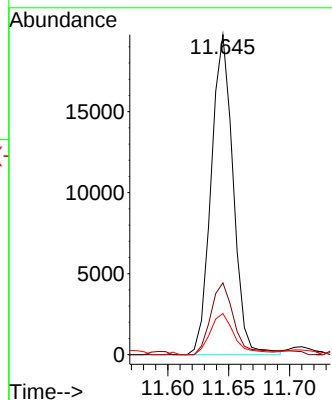
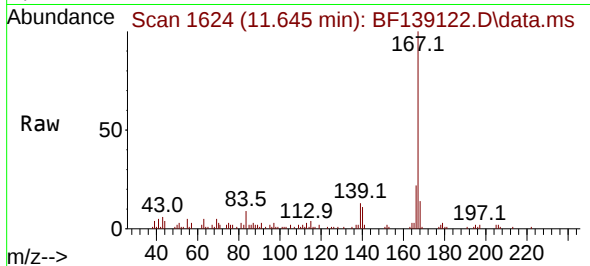




#73
 Carbazole
 Concen: 2.692 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF139122.D
 Acq: 22 Aug 2024 14:50

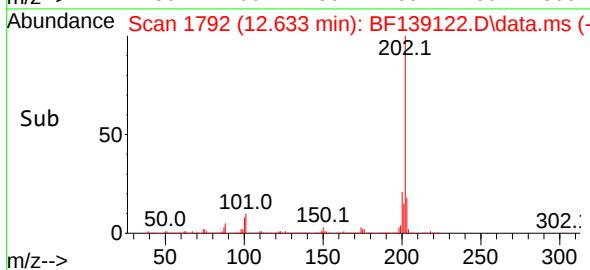
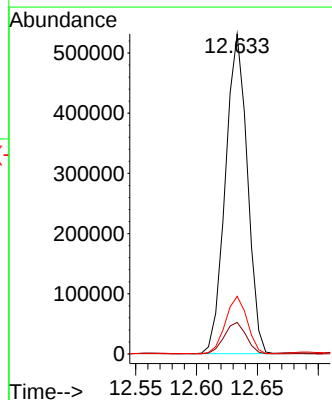
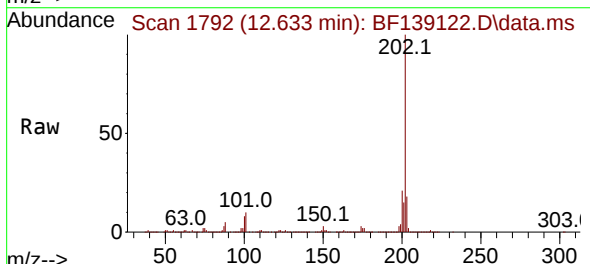
Instrument :
 BNA_F
 ClientSampleId :
 S-910-K1-0.5-1.0-081524-FD

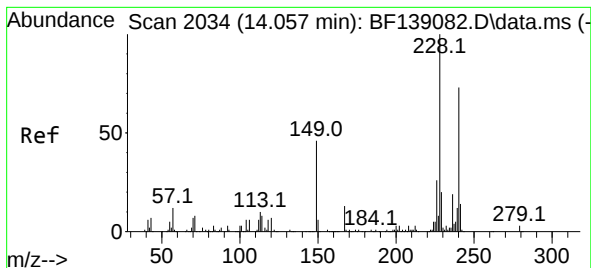
Tgt Ion:	167	Resp:	24855
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.3	25.9
139	12.9	10.5	15.7



#75
 Fluoranthene
 Concen: 61.577 ng
 RT: 12.633 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF139122.D
 Acq: 22 Aug 2024 14:50

Tgt Ion:	202	Resp:	664510
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	30.2
203	18.0	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: BF139122.D

Acq: 22 Aug 2024 14:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD

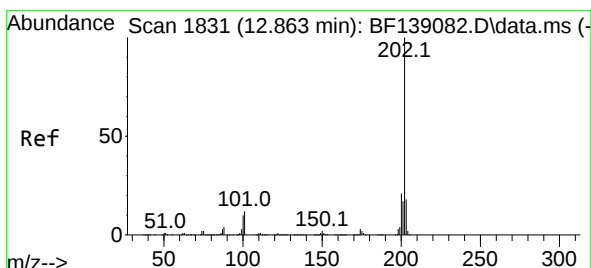
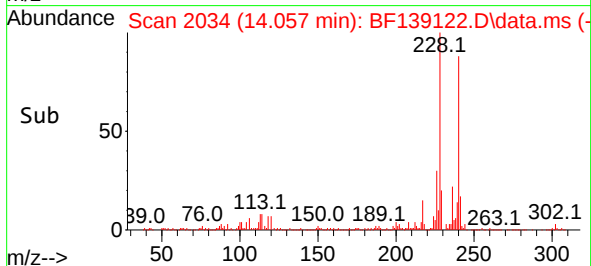
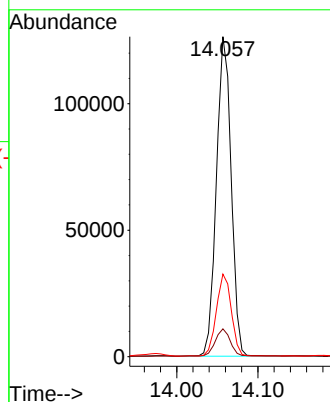
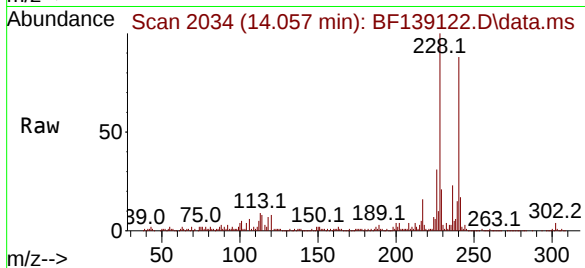
Tgt Ion:240 Resp: 159676

Ion Ratio Lower Upper

240 100

120 8.7 7.8 11.6

236 25.8 20.9 31.3



#78

Pyrene

Concen: 41.546 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

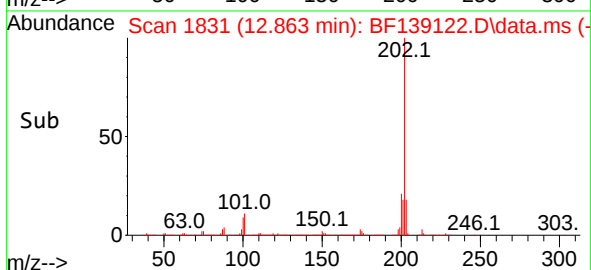
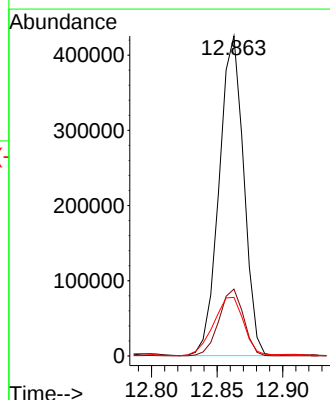
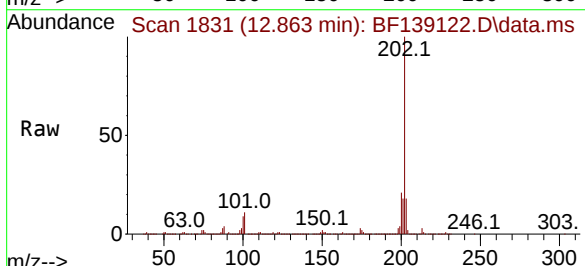
Tgt Ion:202 Resp: 553616

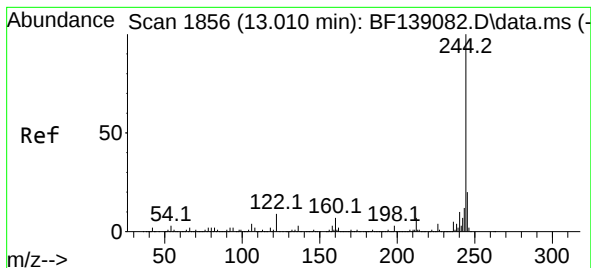
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 18.3 14.1 21.1





#79

Terphenyl-d14

Concen: 27.989 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD

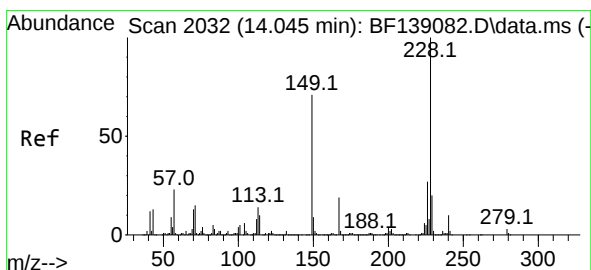
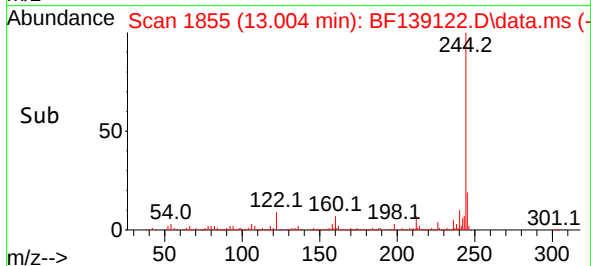
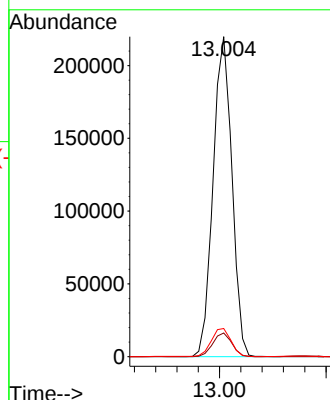
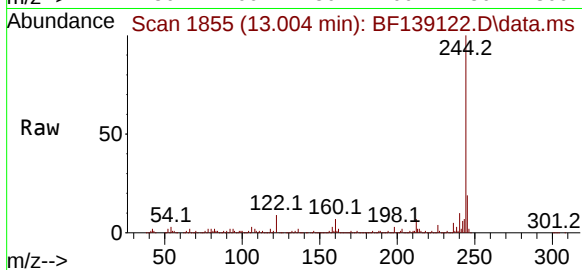
Tgt Ion:244 Resp: 269345

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 8.8 7.6 11.4



#81

Benzo(a)anthracene

Concen: 29.974 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

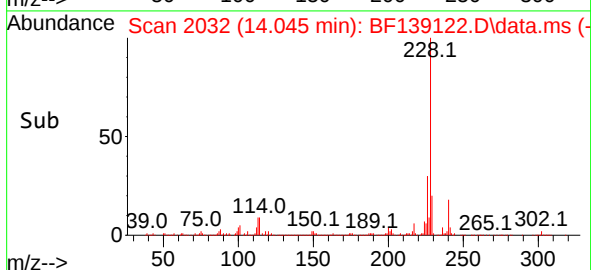
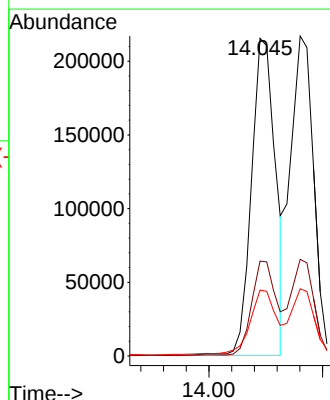
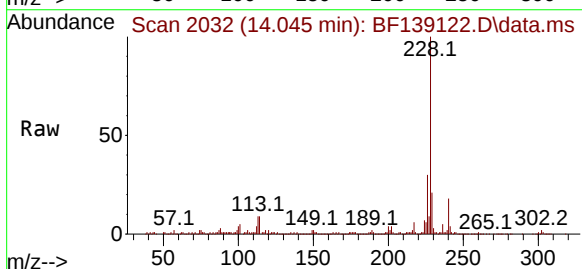
Tgt Ion:228 Resp: 314615

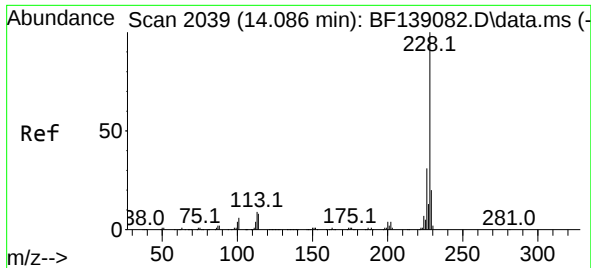
Ion Ratio Lower Upper

228 100

226 29.9 21.9 32.9

229 20.7 16.1 24.1

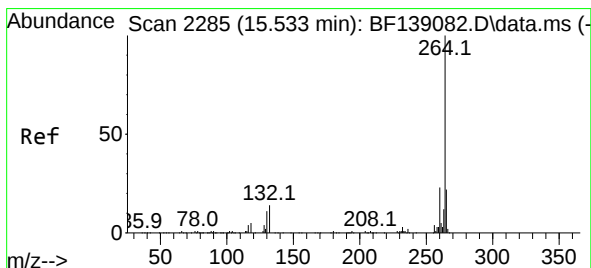
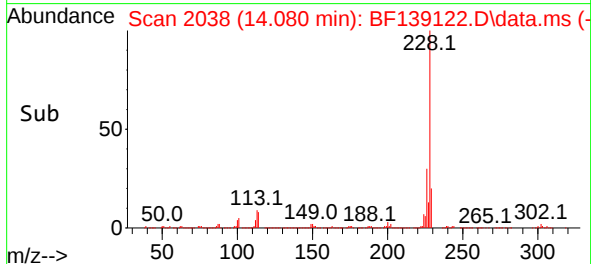
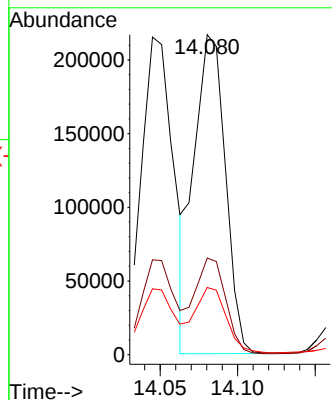
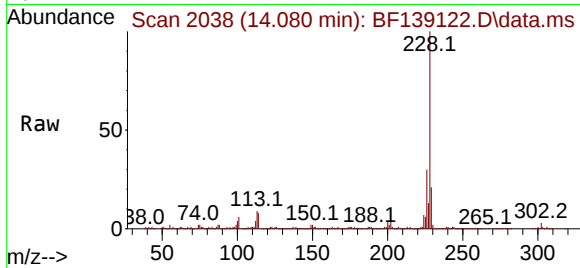




#83
Chrysene
Concen: 32.063 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

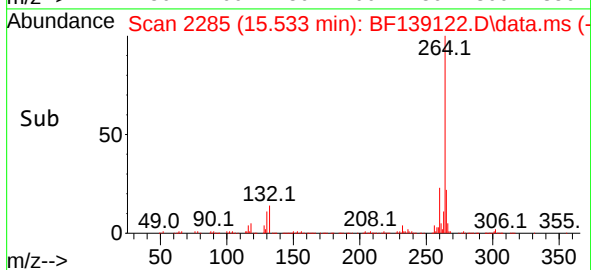
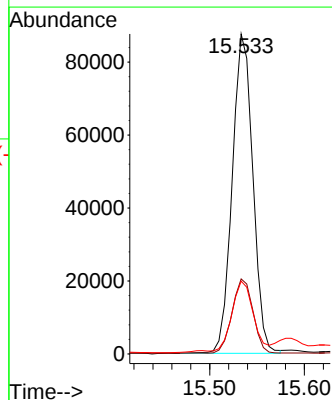
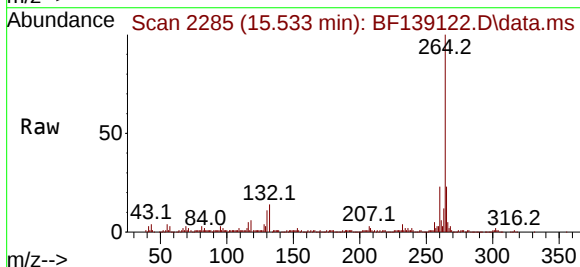
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

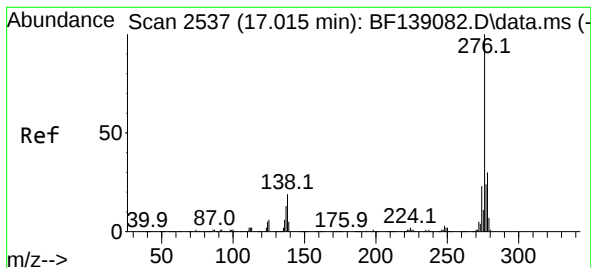
Tgt Ion:228 Resp: 305052
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.0 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion:264 Resp: 132552
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 22.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.469 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD

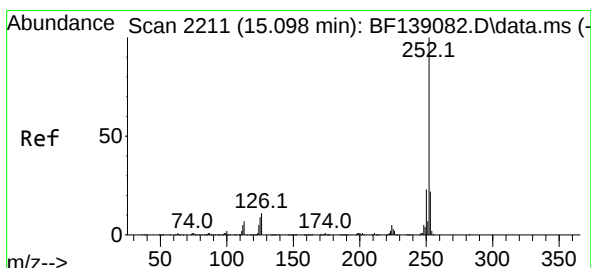
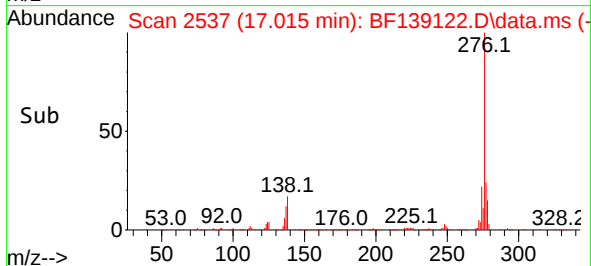
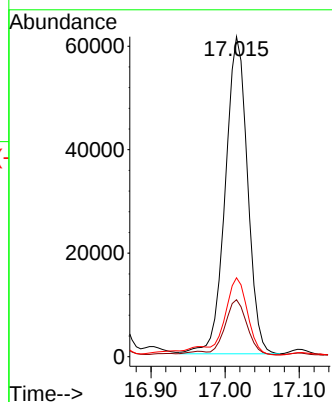
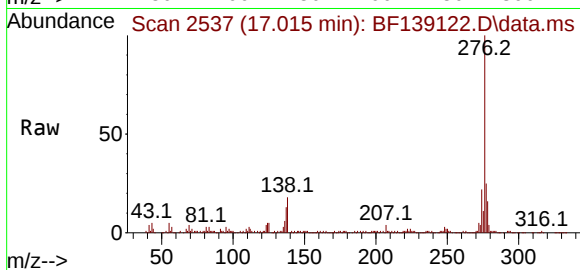
Tgt Ion:276 Resp: 127759

Ion Ratio Lower Upper

276 100

138 17.0 17.3 25.9#

277 28.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 57.610 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

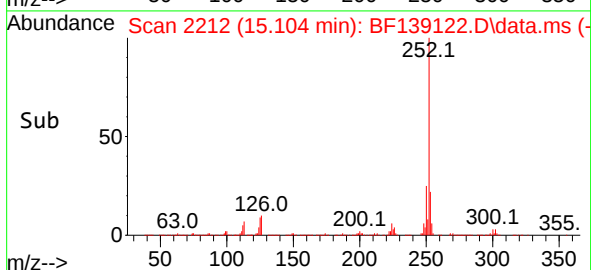
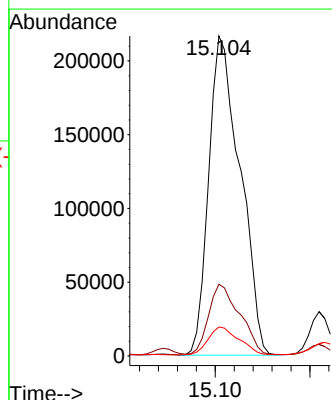
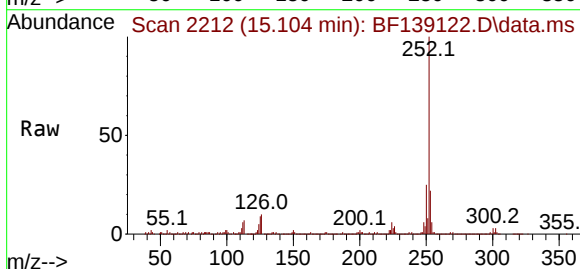
Tgt Ion:252 Resp: 497840

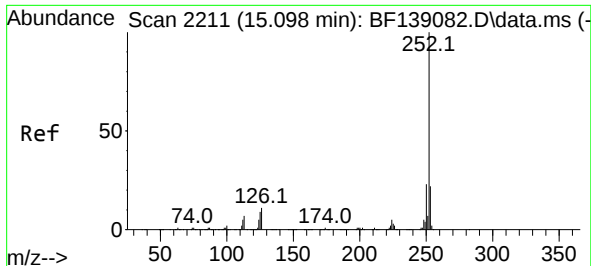
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 9.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 69.170 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139122.D

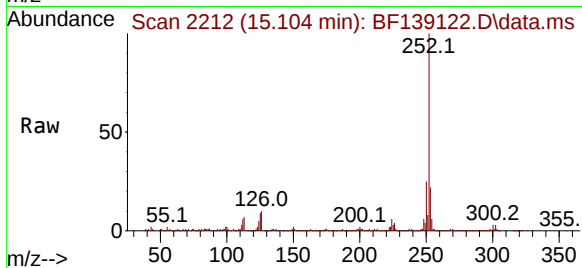
Acq: 22 Aug 2024 14:50

Instrument :

BNA_F

ClientSampleId :

S-910-K1-0.5-1.0-081524-FD



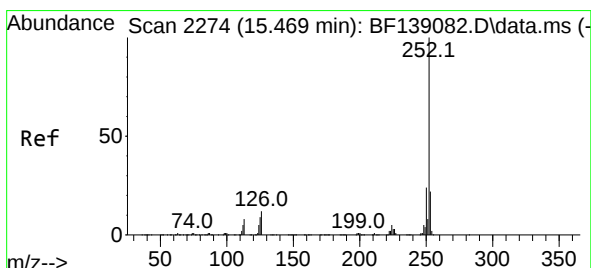
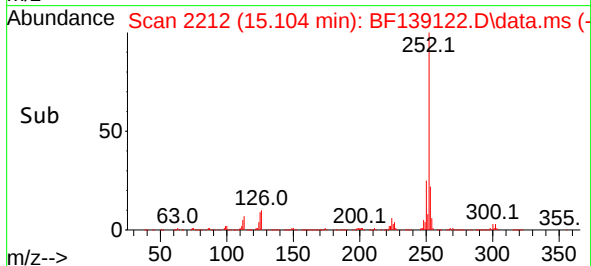
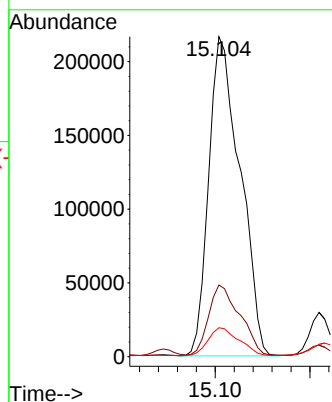
Tgt Ion:252 Resp: 497840

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 9.0 7.0 10.6



#90

Benzo(a)pyrene

Concen: 28.247 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF139122.D

Acq: 22 Aug 2024 14:50

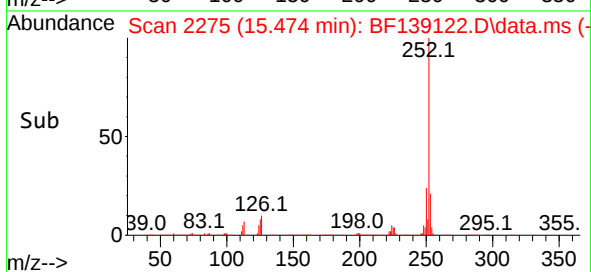
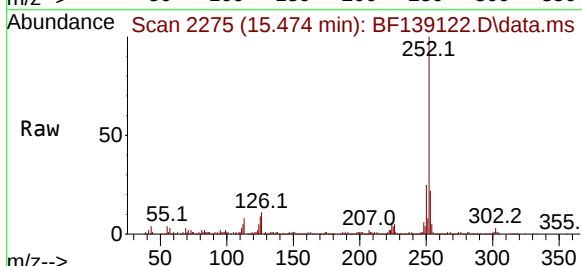
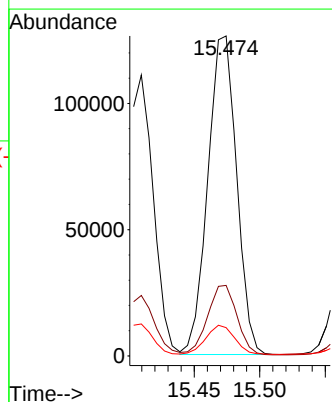
Tgt Ion:252 Resp: 192876

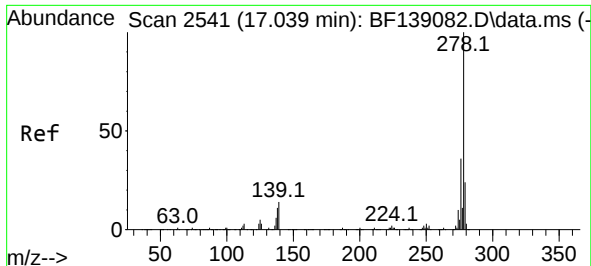
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 8.9 7.4 11.2

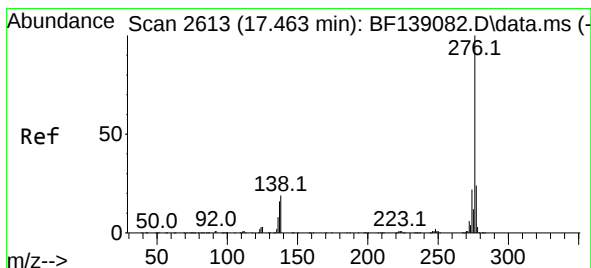
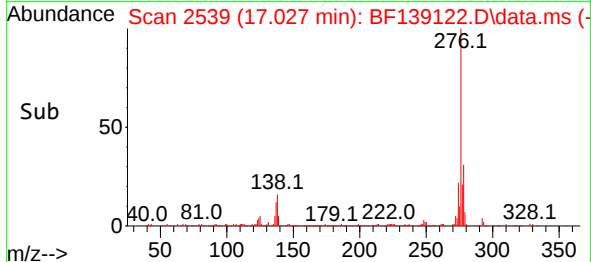
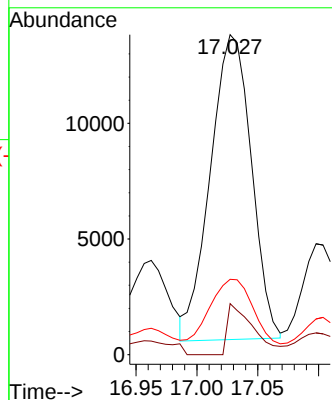
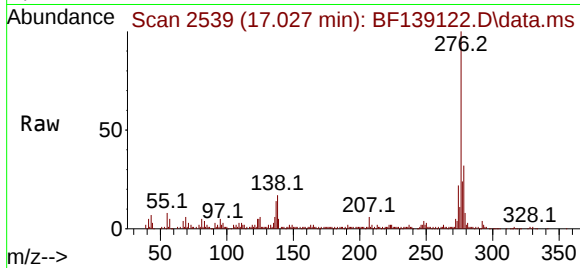




#91
Dibenzo(a,h)anthracene
Concen: 4.849 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.012 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

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

Tgt Ion:278 Resp: 30879
Ion Ratio Lower Upper
278 100
139 16.0 10.8 16.2
279 23.5 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 17.580 ng
RT: 17.462 min Scan# 2613
Delta R.T. -0.001 min
Lab File: BF139122.D
Acq: 22 Aug 2024 14:50

Tgt Ion:276 Resp: 114221
Ion Ratio Lower Upper
276 100
277 23.3 18.8 28.2
138 17.0 15.0 22.4

