

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

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

Quant Time: Aug 22 13:01:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

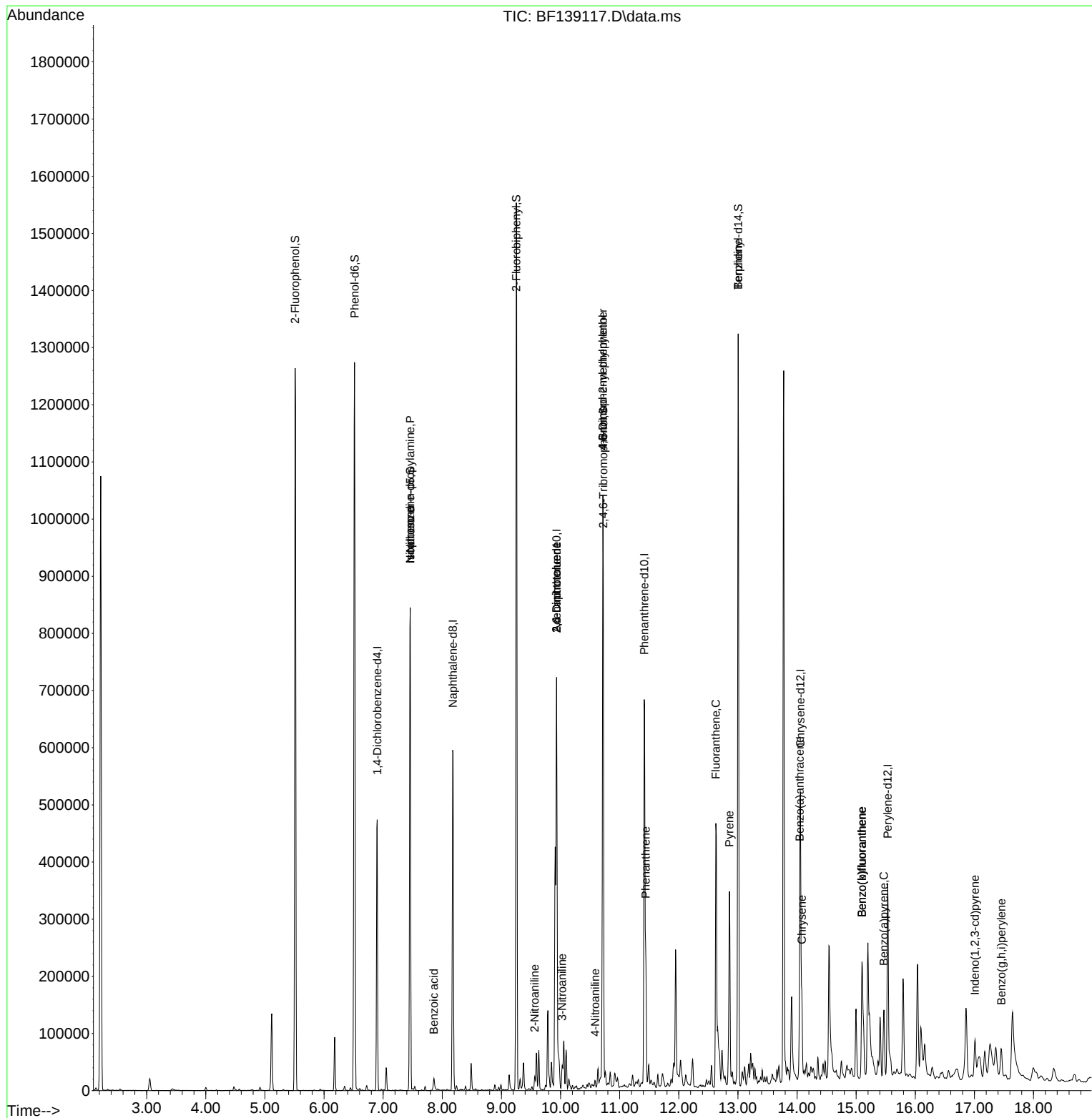
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93720	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	354044	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	202983	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	344082	20.000	ng	0.00
76) Chrysene-d12	14.057	240	188310	20.000	ng	0.00
86) Perylene-d12	15.533	264	190875	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	428856	70.402	ng	0.00
7) Phenol-d6	6.516	99	569005	72.290	ng	0.00
23) Nitrobenzene-d5	7.457	82	377304	62.098	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	147955	80.516	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	655934	51.271	ng	0.00
79) Terphenyl-d14	13.004	244	610234	53.771	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	51793	10.020	ng	# 80
25) Isophorone	7.457	82	376340	29.142	ng	# 69
32) Benzoic acid	7.857	122	5665	9.719	ng	94
48) 2-Nitroaniline	9.563	65	524	5.800	ng	# 25
51) 2,6-Dinitrotoluene	9.933	165	25712	13.784	ng	# 17
53) 3-Nitroaniline	10.028	138	205	4.248	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	25712	12.762	ng	# 17
62) 4-Nitroaniline	10.586	138	642	3.940	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.716	198	243	6.686	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	10000	2.743	ng	# 1
71) Phenanthrene	11.439	178	117740	6.732	ng	99
75) Fluoranthene	12.627	202	247018	13.233	ng	99
77) Benzidine	13.004	184	8775	2.256	ng	# 92
78) Pyrene	12.857	202	187534	11.934	ng	99
81) Benzo(a)anthracene	14.045	228	76776	6.202	ng	99
83) Chrysene	14.080	228	81101	7.228	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	51485	4.609	ng	97
88) Benzo(b)fluoranthene	15.098	252	169556	13.626	ng	99
89) Benzo(k)fluoranthene	15.098	252	169556	16.360	ng	99
90) Benzo(a)pyrene	15.468	252	65339	6.645	ng	99
92) Benzo(g,h,i)perylene	17.457	276	47996	7.109	ng	99

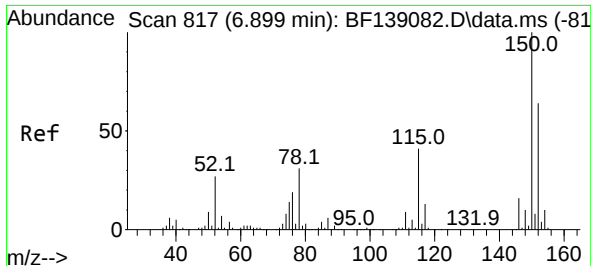
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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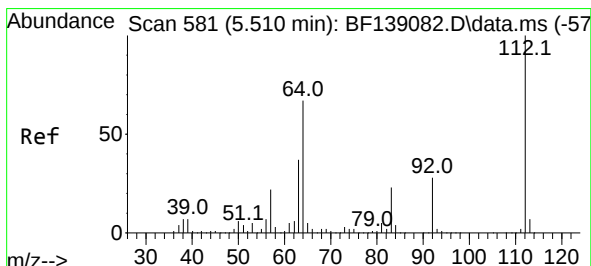
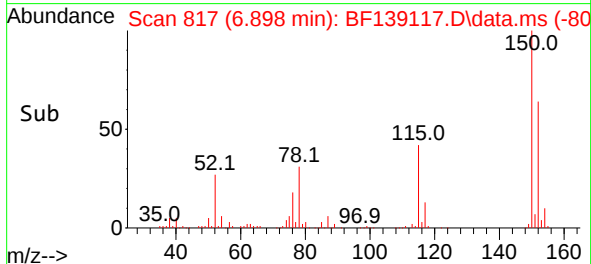
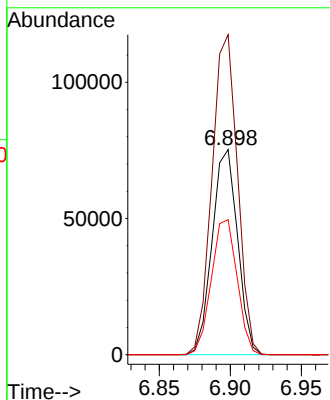
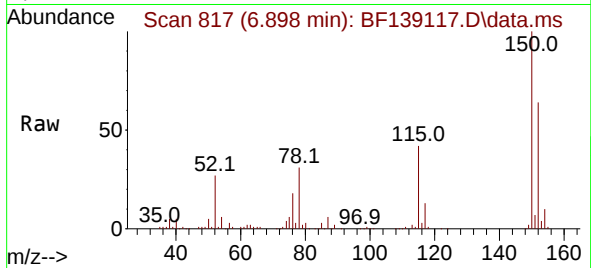




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 817
 Delta R.T. -0.001 min
 Lab File: BF139117.D
 Acq: 22 Aug 2024 12:22

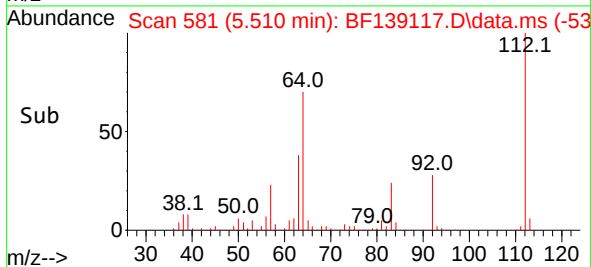
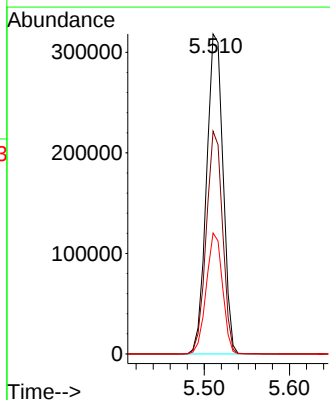
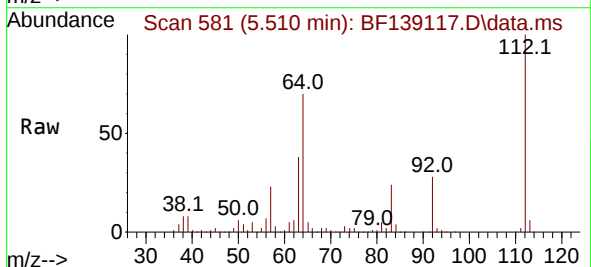
Instrument :
 BNA_F
 ClientSampleId :
 S-908-K1-0.5-1.0-081524

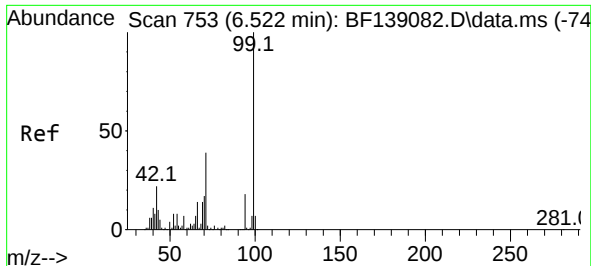
Tgt Ion:152 Resp: 93720
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.1 187.7
 115 65.8 51.8 77.6



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

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

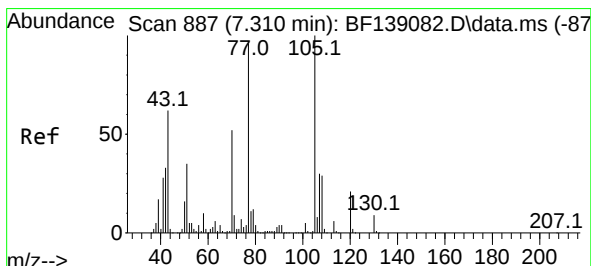
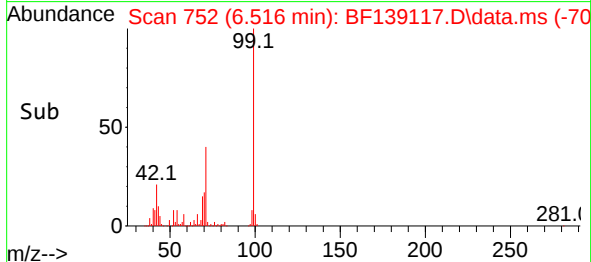
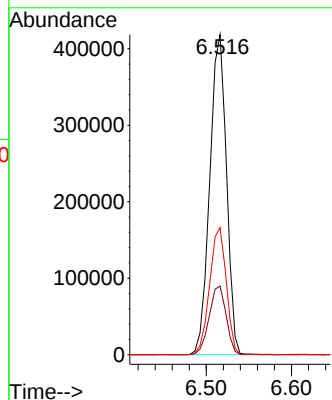
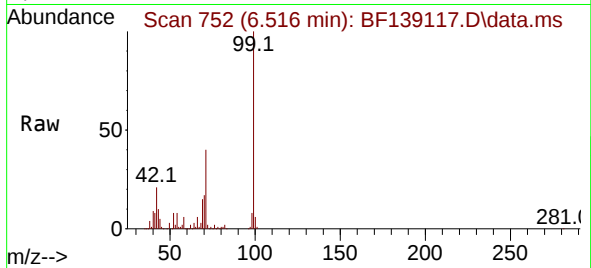




#7
Phenol-d6
Concen: 72.290 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

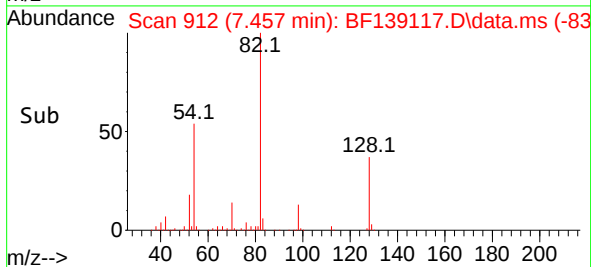
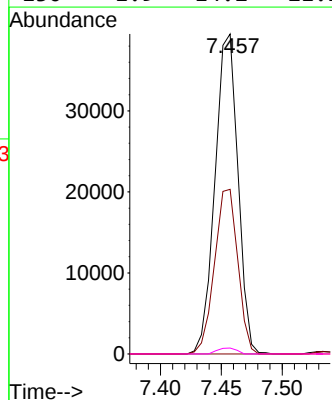
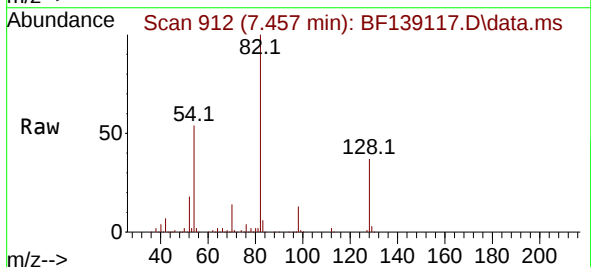
Instrument :
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ClientSampleId :
S-908-K1-0.5-1.0-081524

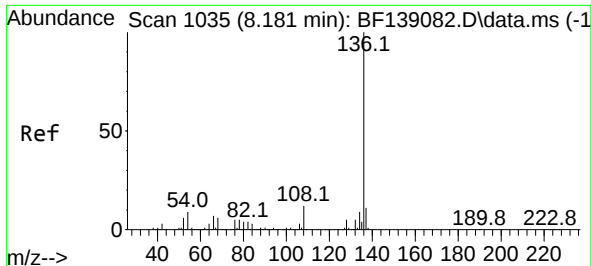
Tgt Ion: 99 Resp: 569005
Ion Ratio Lower Upper
99 100
42 21.5 17.4 26.2
71 39.7 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.020 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion: 70 Resp: 51793
Ion Ratio Lower Upper
70 100
42 51.4 50.5 75.7
101 0.0 7.2 10.8#
130 1.9 14.2 21.2#

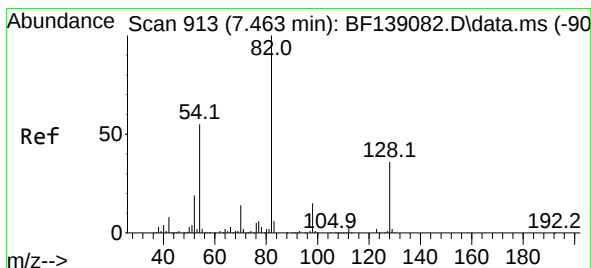
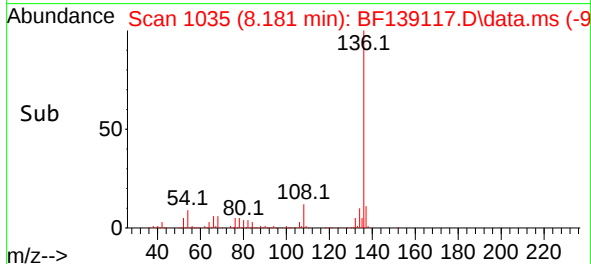
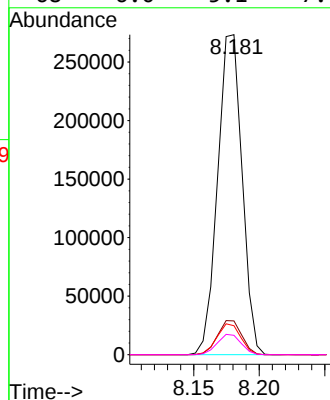
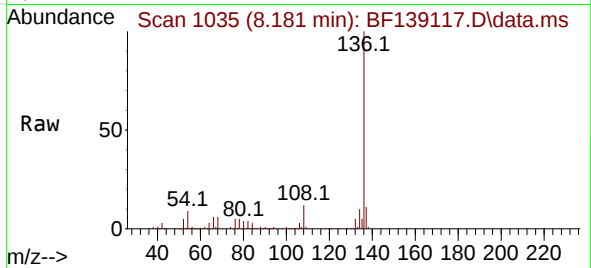




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

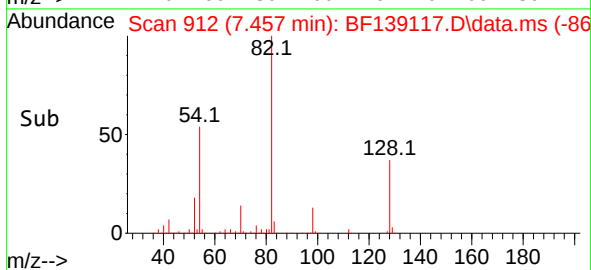
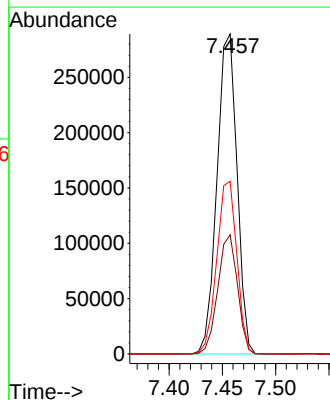
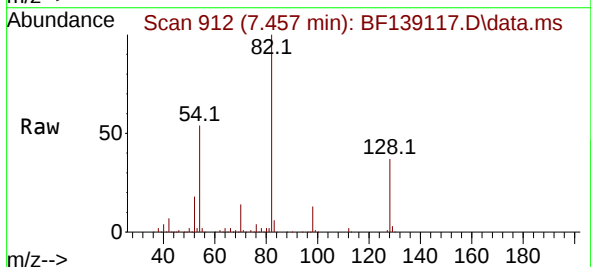
Instrument :
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S-908-K1-0.5-1.0-081524

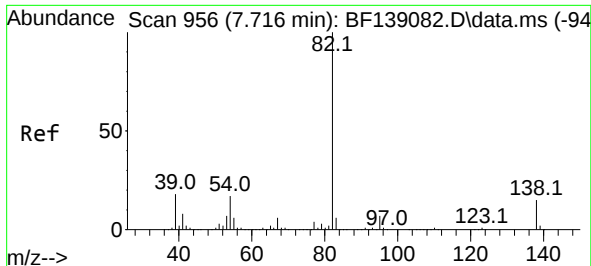
Tgt Ion:	136	Resp:	354044
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	9.1	7.6	11.4
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 62.098 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:	82	Resp:	377304
Ion	Ratio	Lower	Upper
82	100		
128	37.3	29.0	43.4
54	54.0	43.4	65.2

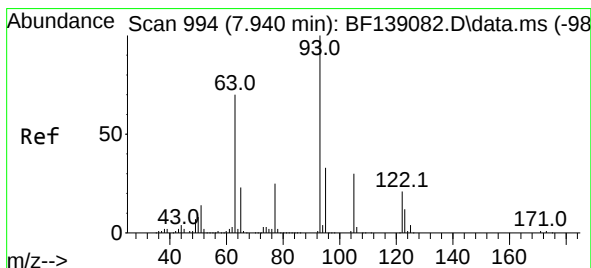
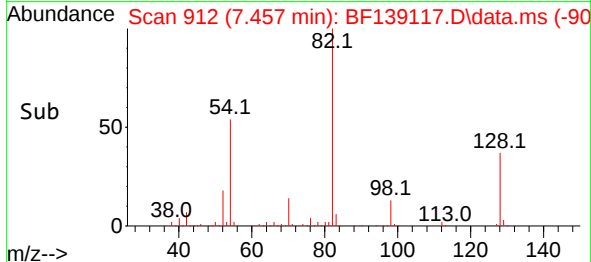
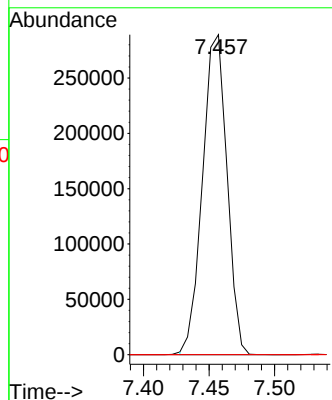
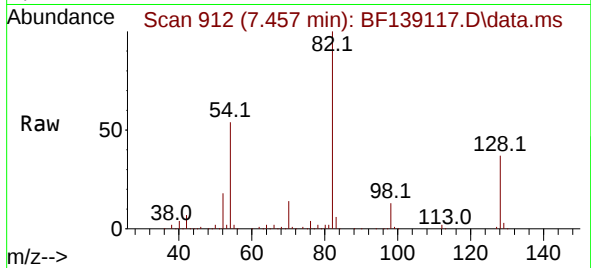




#25
Isophorone
Concen: 29.142 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

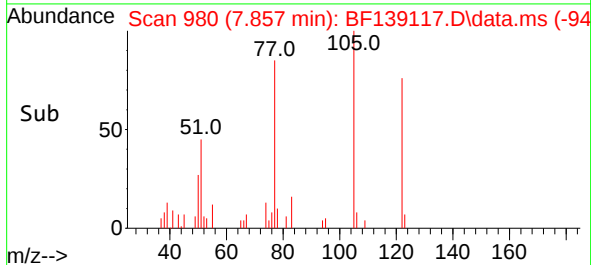
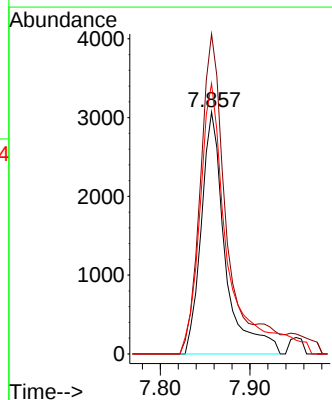
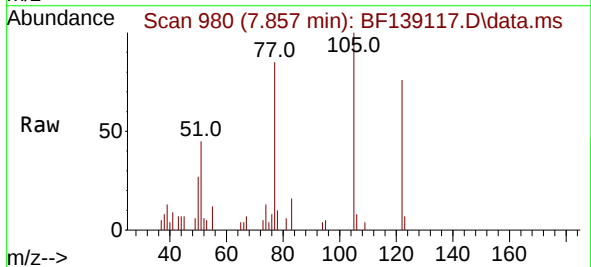
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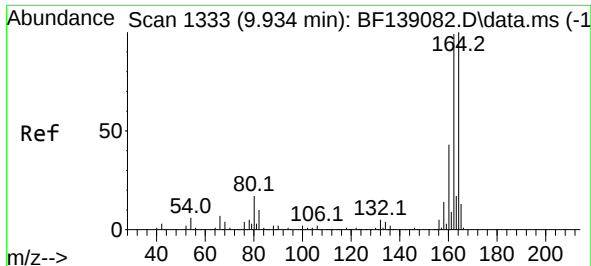
Tgt Ion: 82 Resp: 376340
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 9.719 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.083 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:122 Resp: 5665
Ion Ratio Lower Upper
122 100
105 132.2 119.6 159.6
77 111.8 97.6 137.6

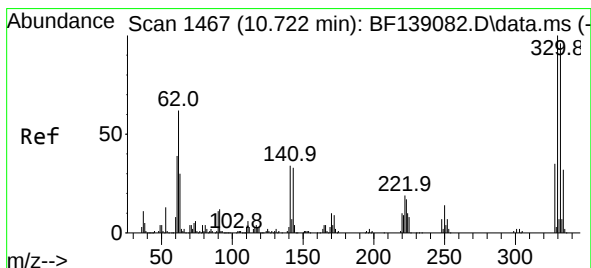
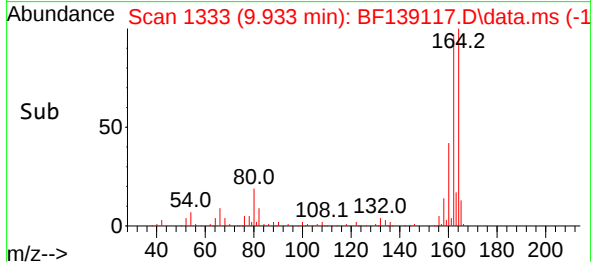
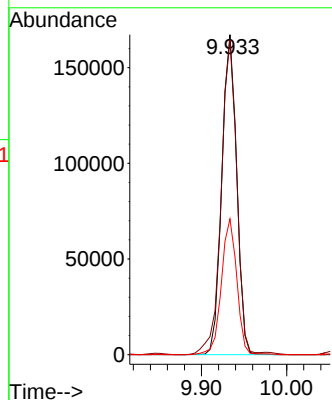
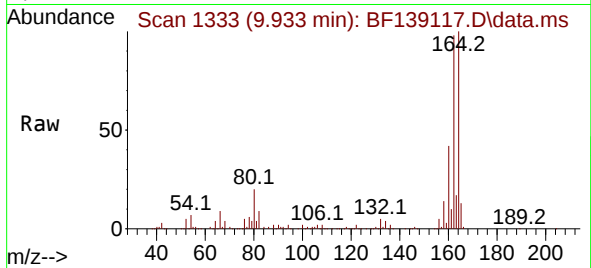




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

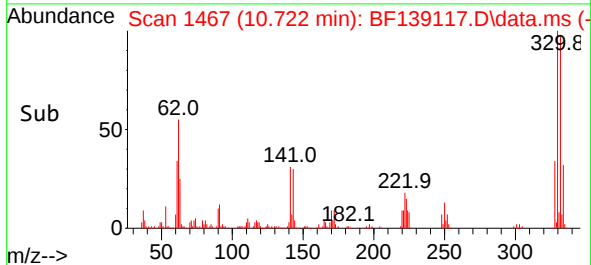
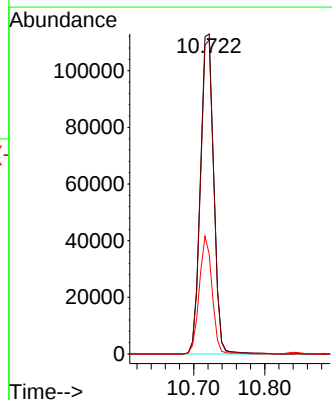
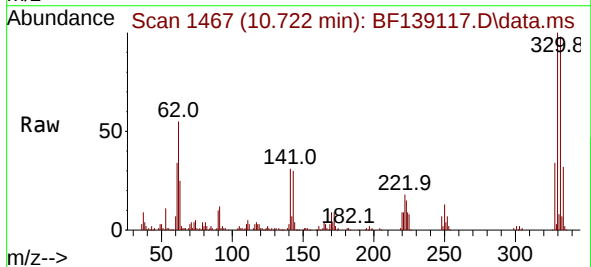
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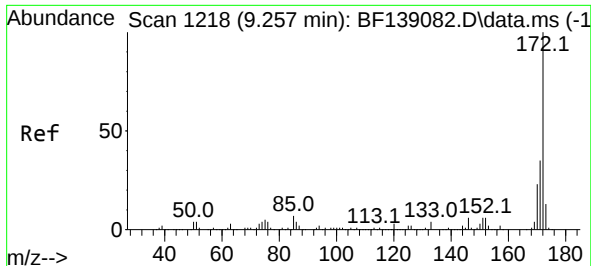
Tgt Ion:164 Resp: 202983
Ion Ratio Lower Upper
164 100
162 98.4 79.5 119.3
160 42.5 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 80.516 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:330 Resp: 147955
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 35.3 27.5 41.3

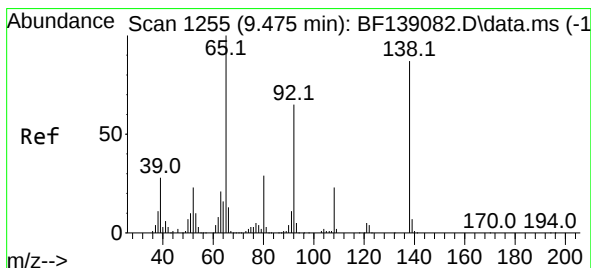
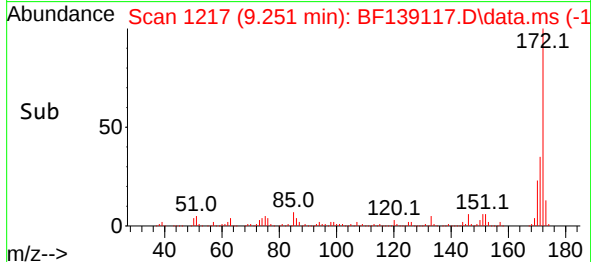
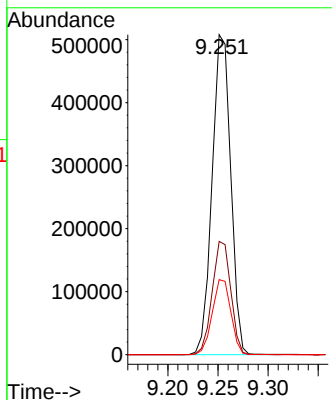
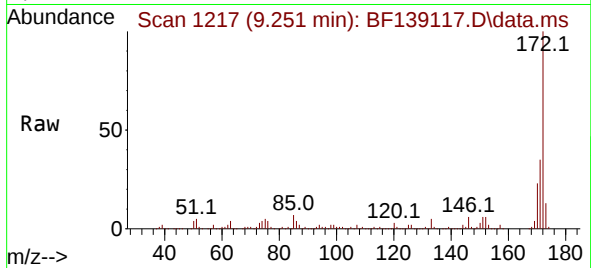




#45
2-Fluorobiphenyl
Concen: 51.271 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

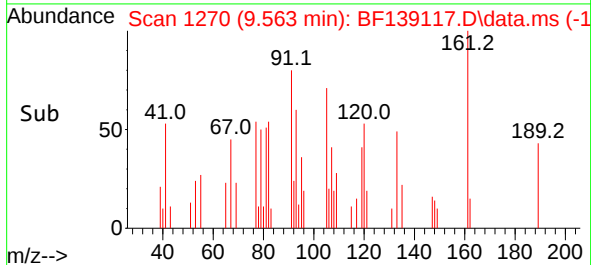
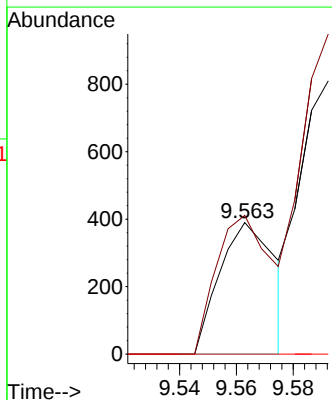
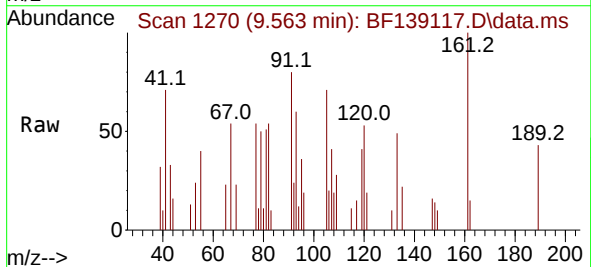
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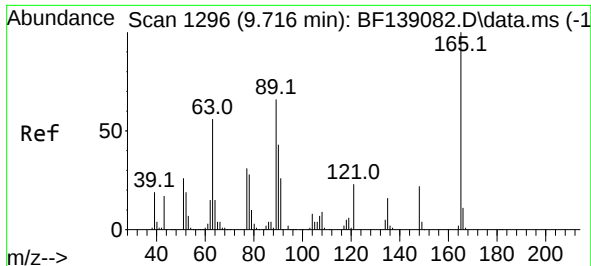
Tgt Ion:172 Resp: 655934
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.5 18.8 28.2



#48
2-Nitroaniline
Concen: 5.800 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.088 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion: 65 Resp: 524
Ion Ratio Lower Upper
65 100
92 105.4 52.4 78.6#
138 0.0 69.4 104.0#

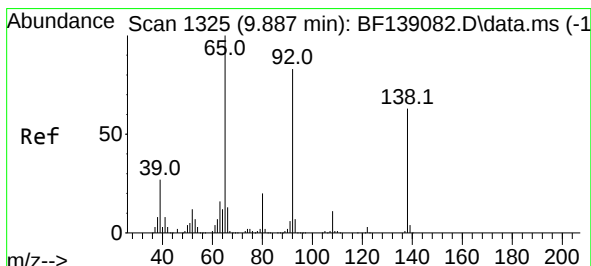
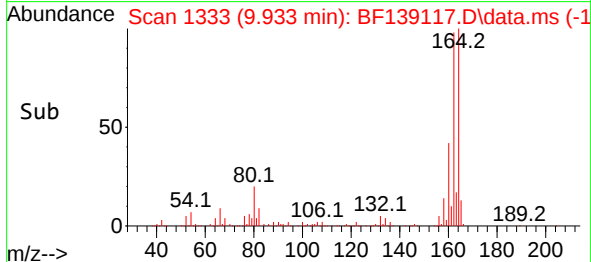
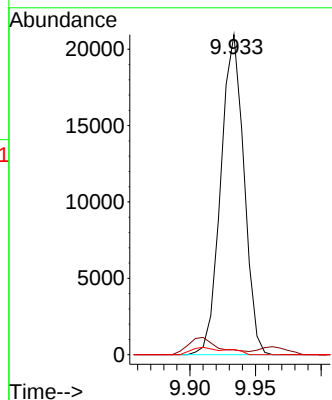
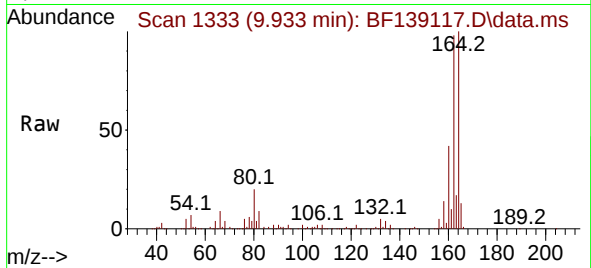




#51
2,6-Dinitrotoluene
Concen: 13.784 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

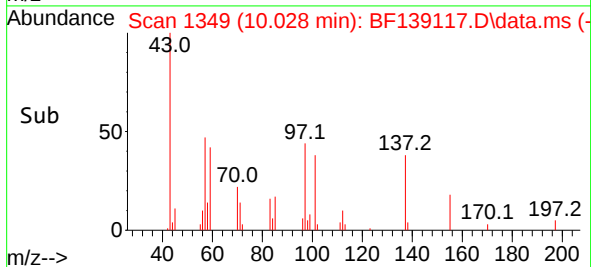
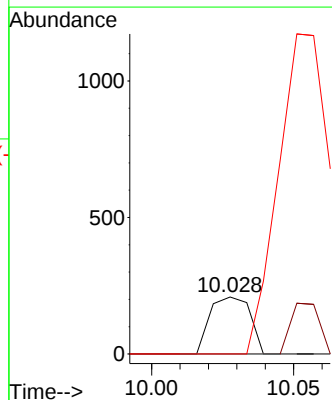
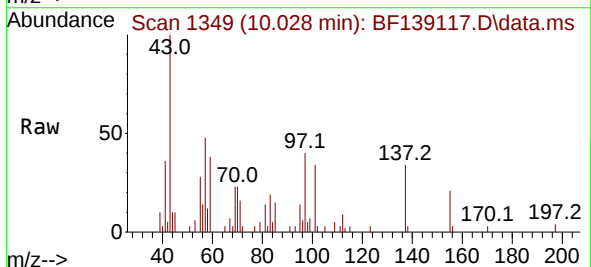
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BNA_F
ClientSampleId :
S-908-K1-0.5-1.0-081524

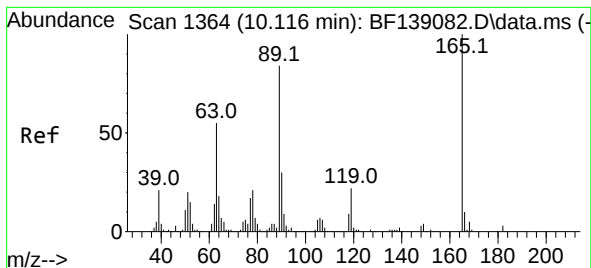
Tgt Ion:165 Resp: 25712
Ion Ratio Lower Upper
165 100
63 1.5 58.0 87.0#
89 1.6 53.3 79.9#



#53
3-Nitroaniline
Concen: 4.248 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.141 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:138 Resp: 205
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: 12.762 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.183 min

Lab File: BF139117.D

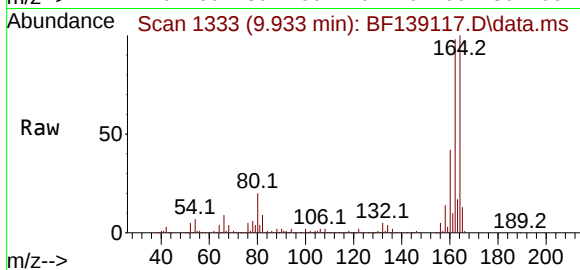
Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524



Tgt Ion:165 Resp: 25712

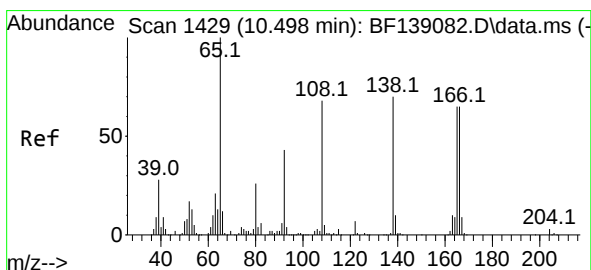
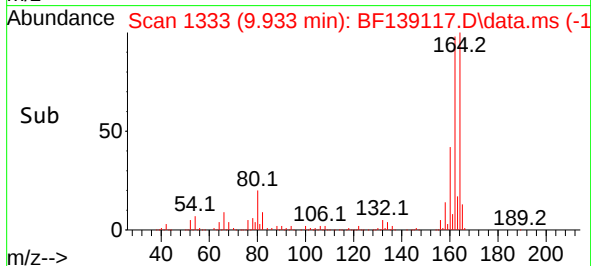
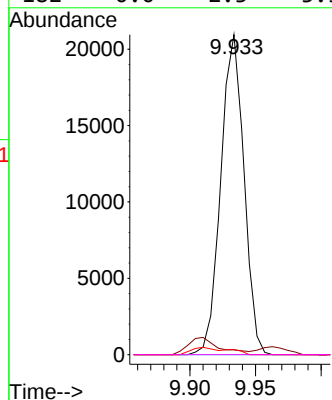
Ion Ratio Lower Upper

165 100

63 1.5 44.2 66.4#

89 1.6 67.4 101.2#

182 0.0 2.3 3.5#



#62

4-Nitroaniline

Concen: 3.940 ng

RT: 10.586 min Scan# 1444

Delta R.T. 0.088 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

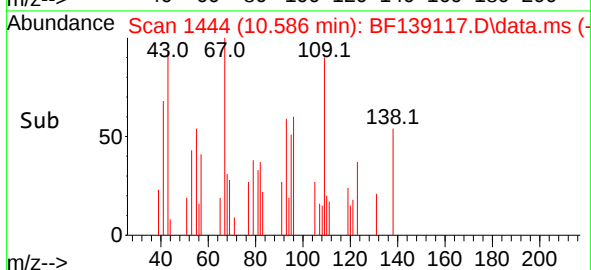
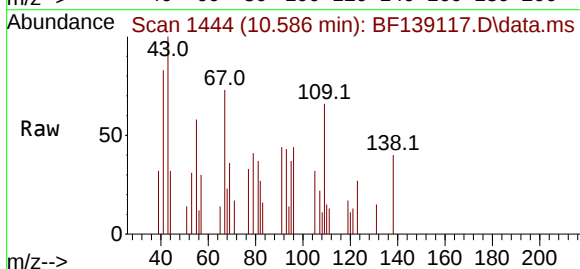
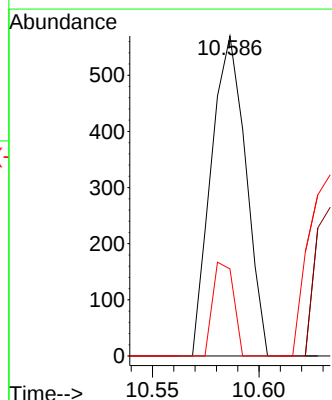
Tgt Ion:138 Resp: 642

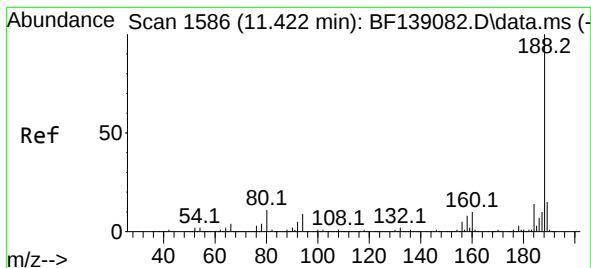
Ion Ratio Lower Upper

138 100

92 0.0 41.4 81.4#

108 27.2 76.8 116.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524

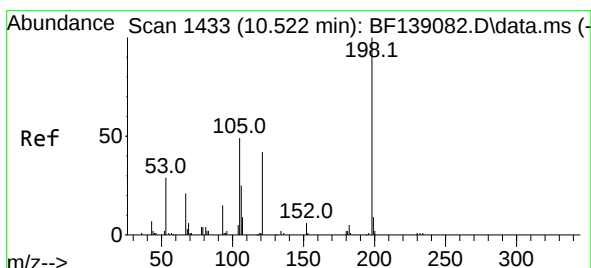
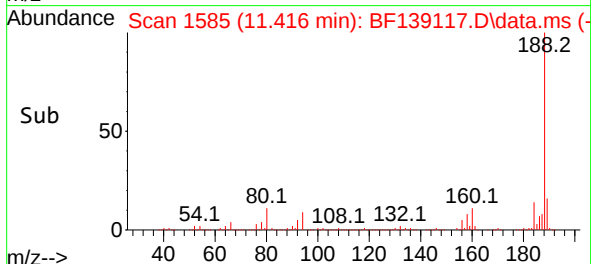
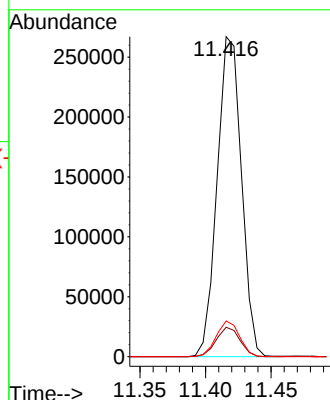
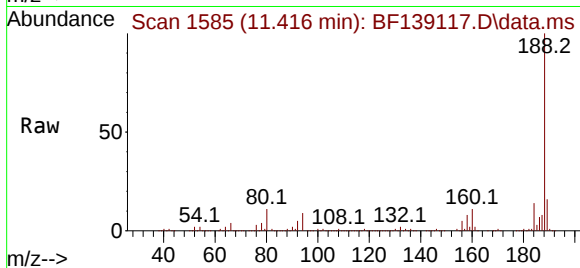
Tgt Ion:188 Resp: 344082

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

80 11.2 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 6.686 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

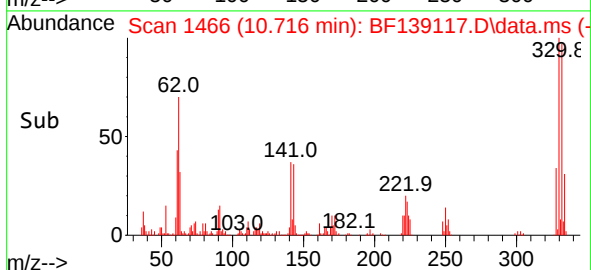
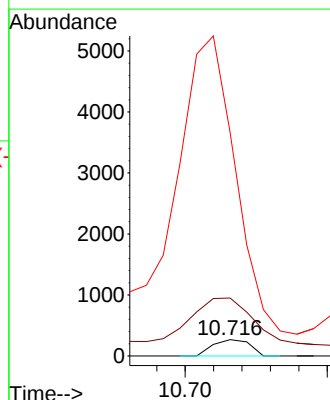
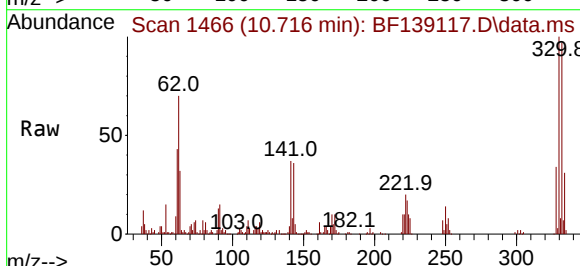
Tgt Ion:198 Resp: 243

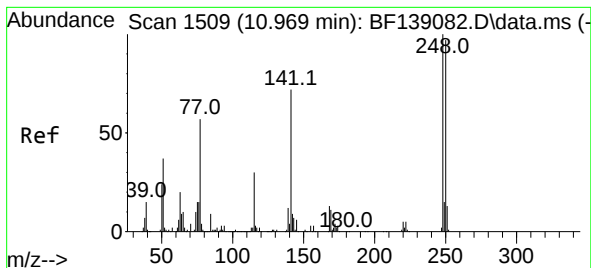
Ion Ratio Lower Upper

198 100

51 354.5 40.8 80.8#

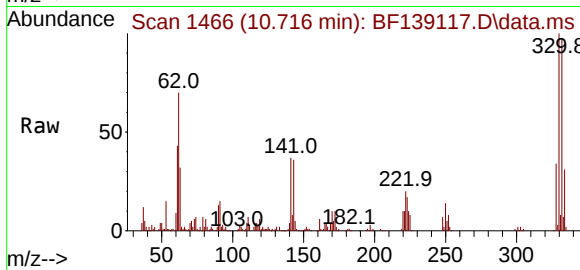
105 1366.8 30.9 70.9#



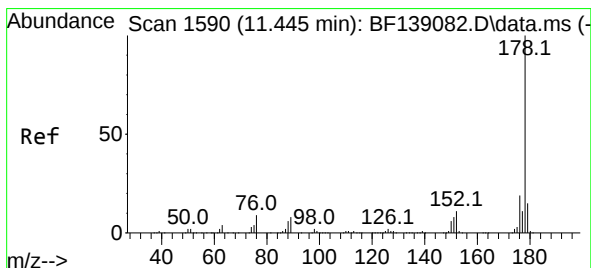
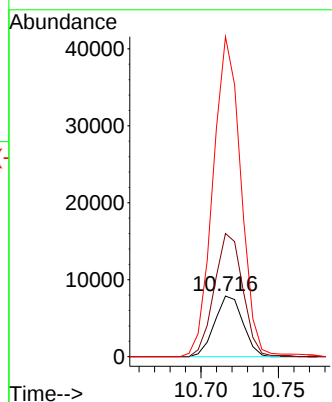
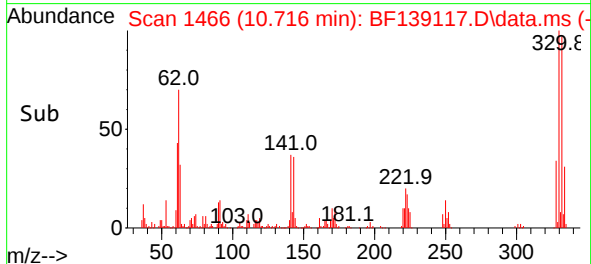


#67
4-Bromophenyl-phenylether
Concen: 2.743 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

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

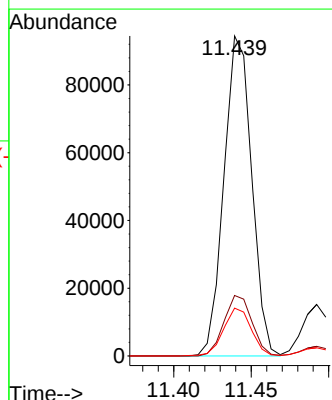
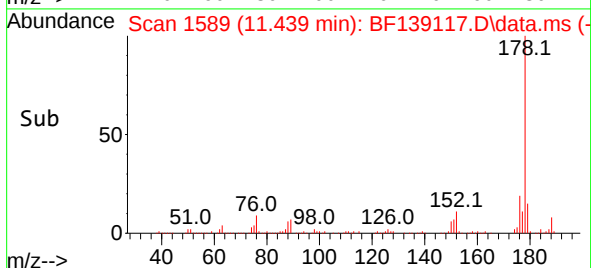
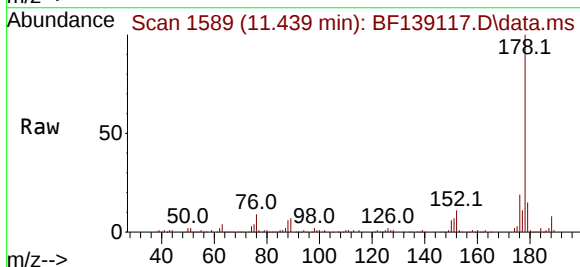


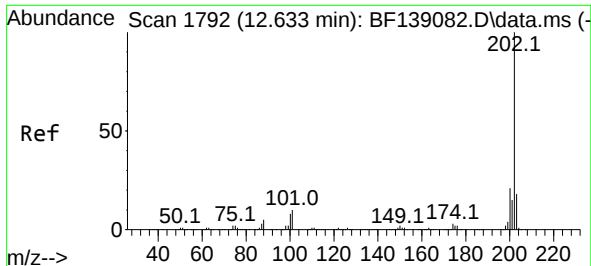
Tgt Ion:248 Resp: 10000
Ion Ratio Lower Upper
248 100
250 203.2 77.8 116.8#
141 528.0 57.9 86.9#



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

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

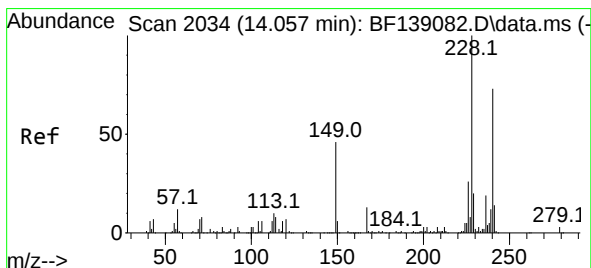
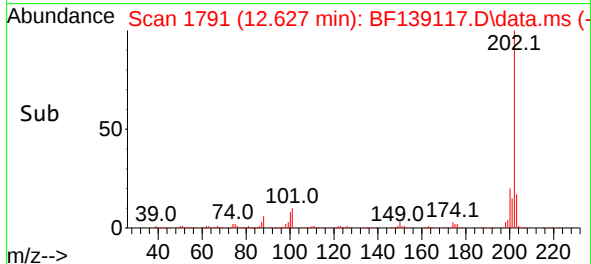
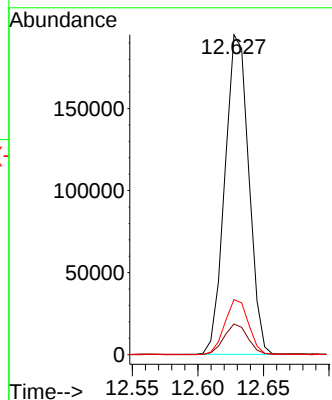
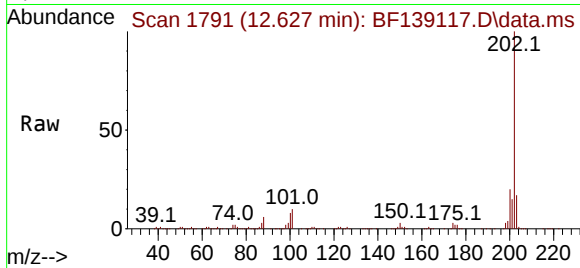




#75
Fluoranthene
Concen: 13.233 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

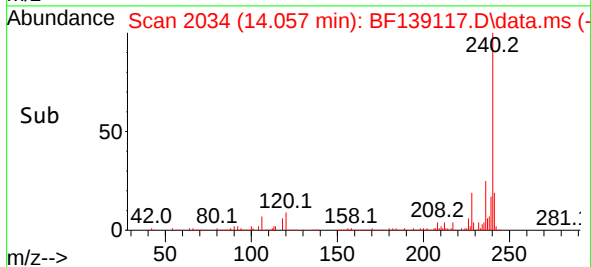
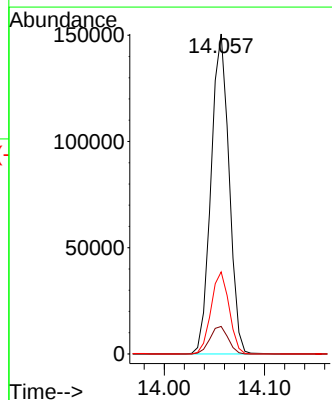
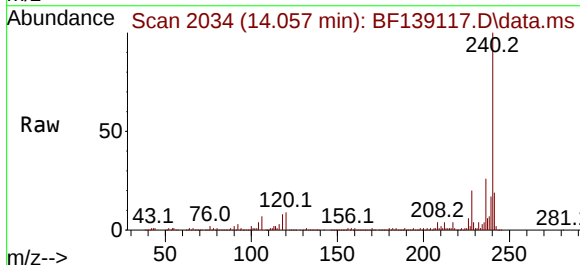
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0.5-1.0-081524

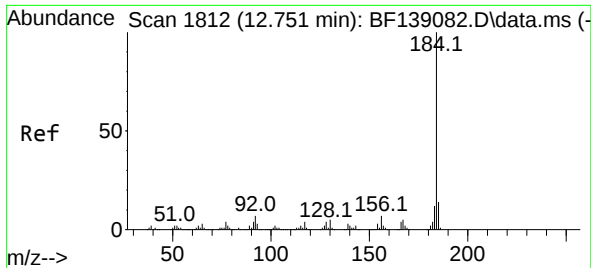
Tgt Ion:202 Resp: 247018
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.2
203 17.2 0.0 37.6



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

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

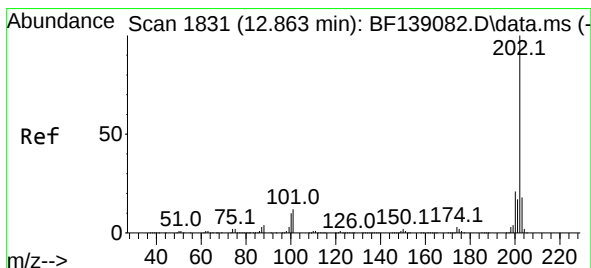
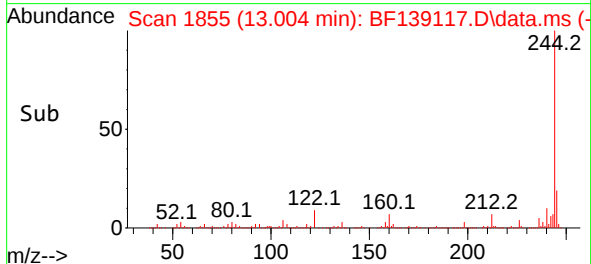
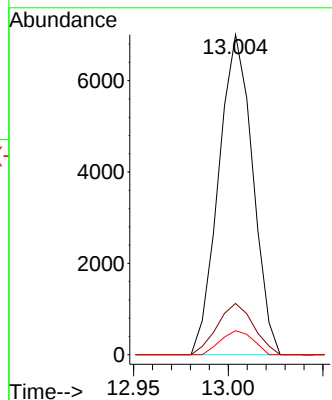
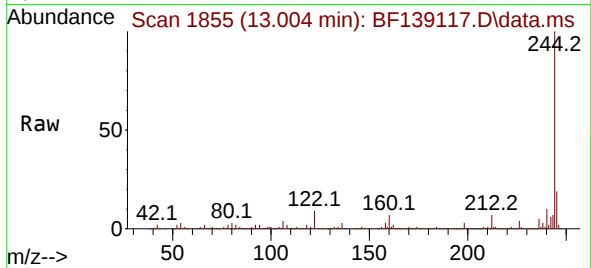




#77
Benzidine
Concen: 2.256 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.253 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

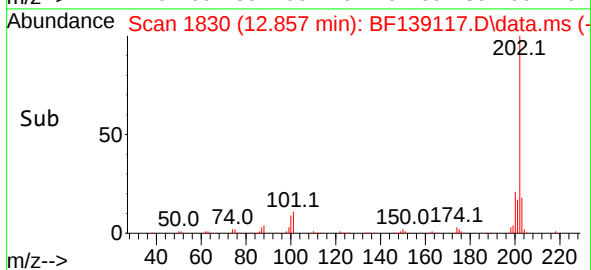
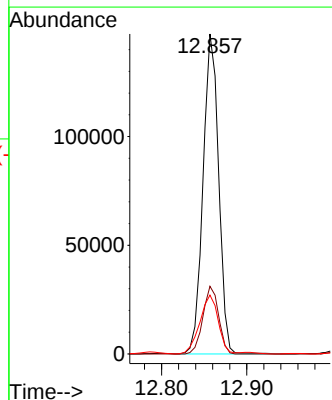
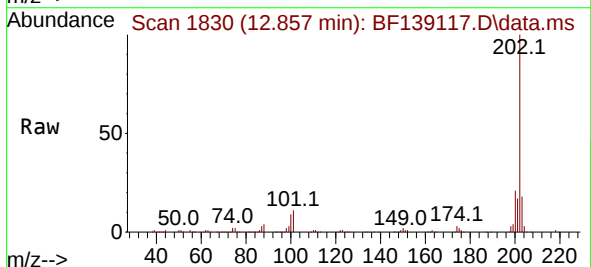
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0.5-1.0-081524

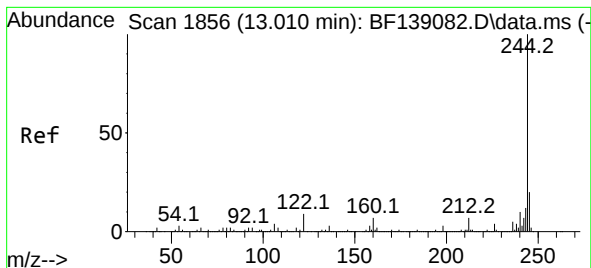
Tgt Ion:184 Resp: 8775
Ion Ratio Lower Upper
184 100
185 16.0 11.5 17.3
183 7.5 9.8 14.6#



#78
Pyrene
Concen: 11.934 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139117.D
Acq: 22 Aug 2024 12:22

Tgt Ion:202 Resp: 187534
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 18.4 14.1 21.1





#79

Terphenyl-d14

Concen: 53.771 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524

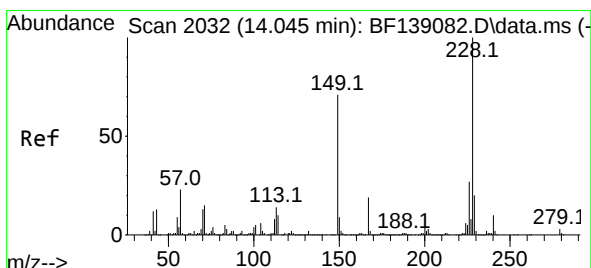
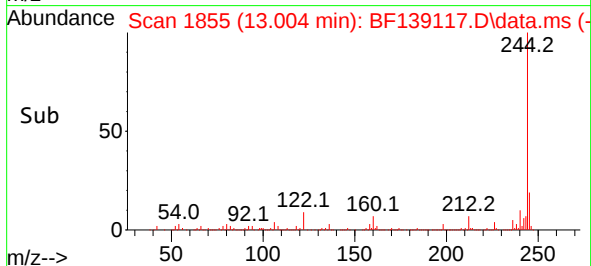
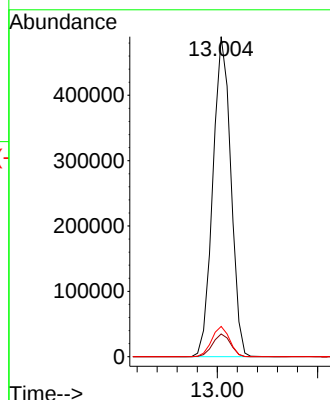
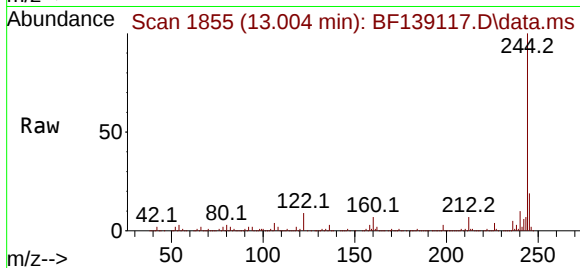
Tgt Ion:244 Resp: 610234

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.4 7.6 11.4



#81

Benzo(a)anthracene

Concen: 6.202 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

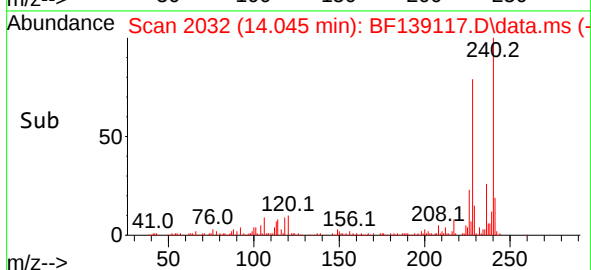
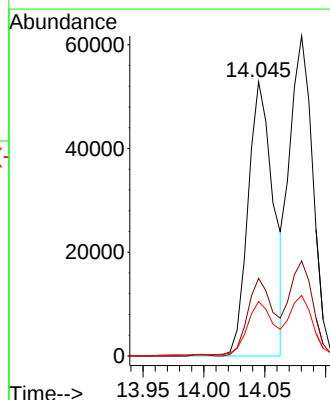
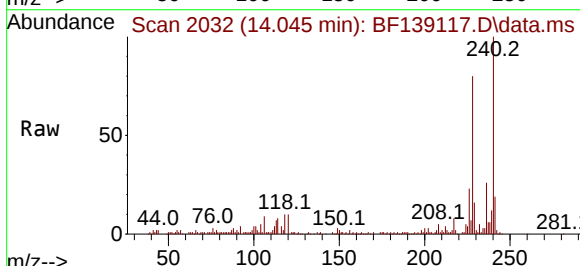
Tgt Ion:228 Resp: 76776

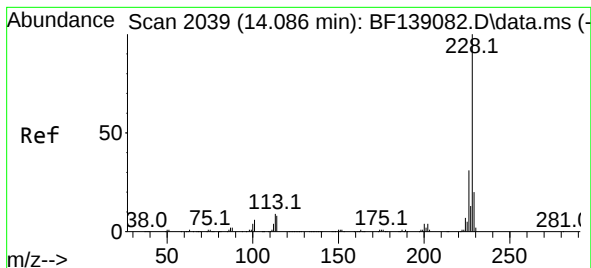
Ion Ratio Lower Upper

228 100

226 28.3 21.9 32.9

229 19.8 16.1 24.1





#83

Chrysene

Concen: 7.228 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139117.D

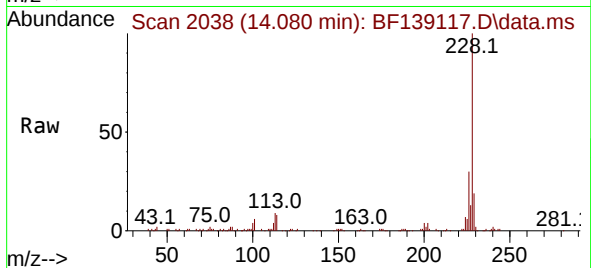
Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524



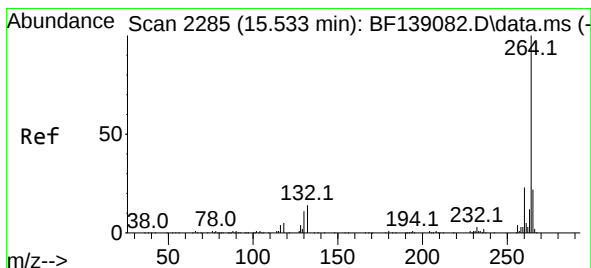
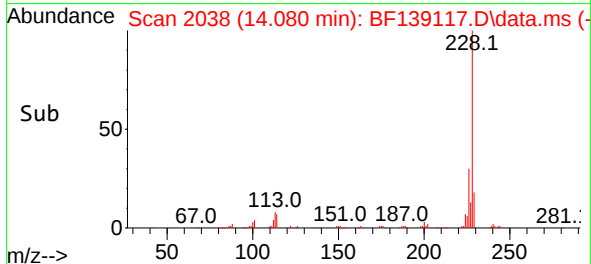
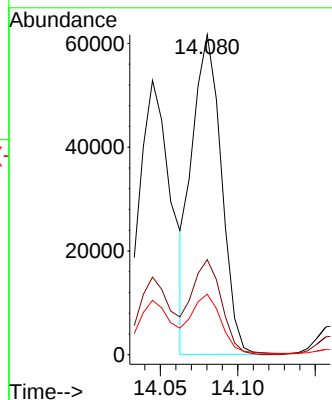
Tgt Ion:228 Resp: 81101

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 18.9 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.000 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

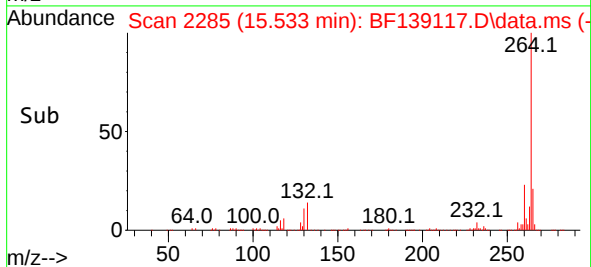
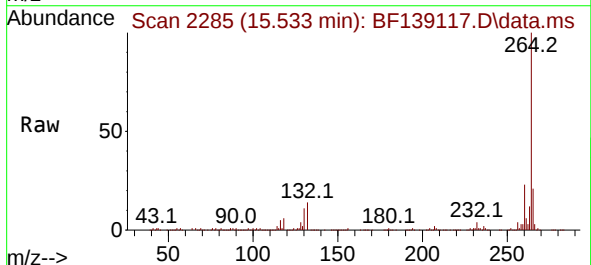
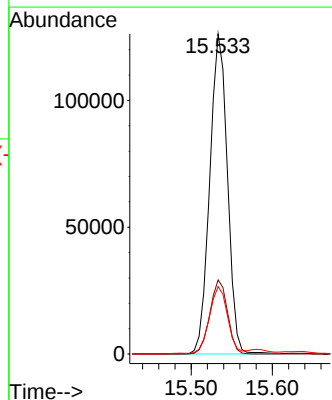
Tgt Ion:264 Resp: 190875

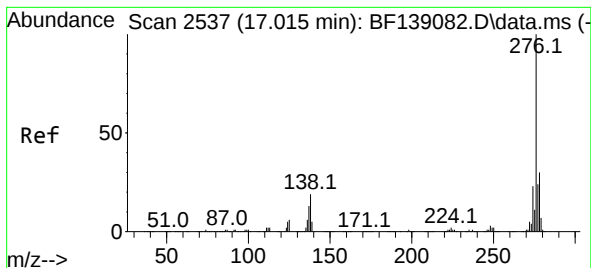
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.609 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524

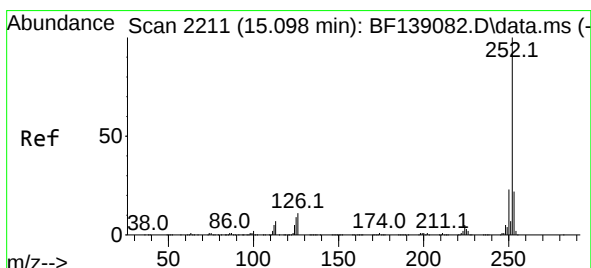
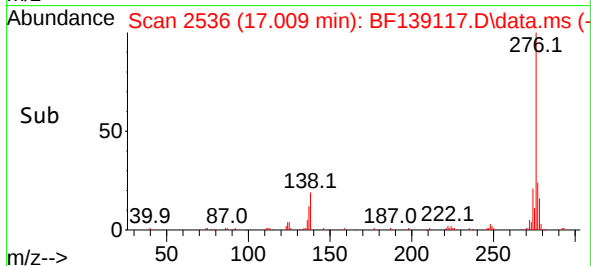
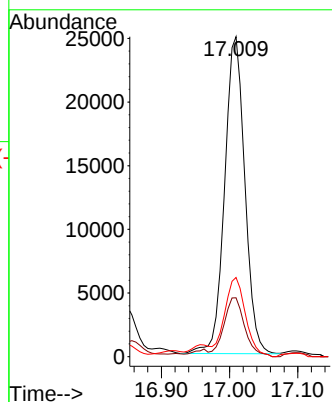
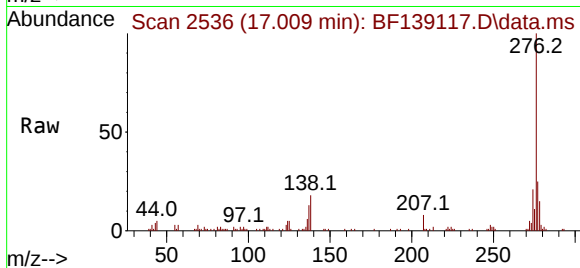
Tgt Ion:276 Resp: 51485

Ion Ratio Lower Upper

276 100

138 19.2 17.3 25.9

277 25.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 13.626 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

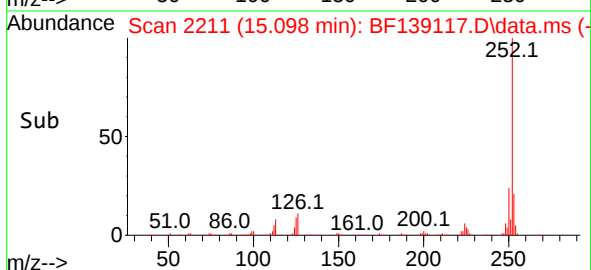
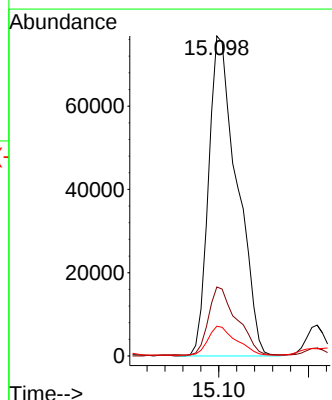
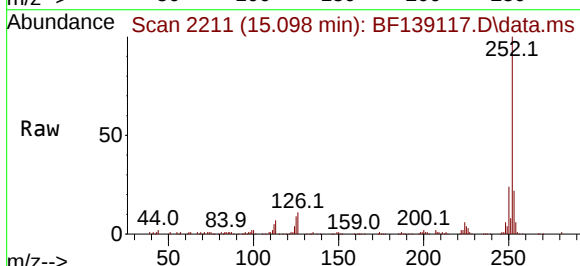
Tgt Ion:252 Resp: 169556

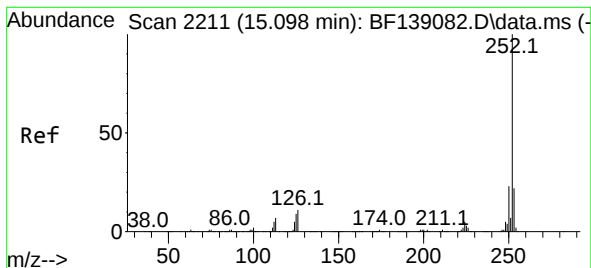
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 9.3 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 16.360 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139117.D

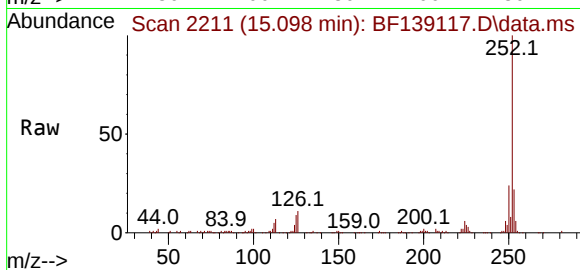
Acq: 22 Aug 2024 12:22

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0.5-1.0-081524



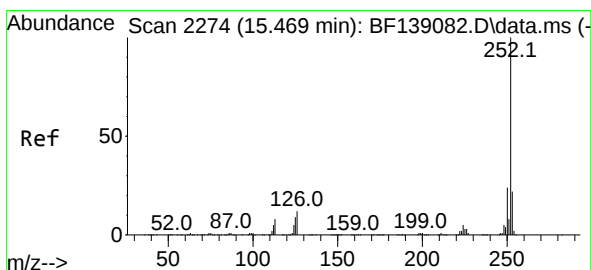
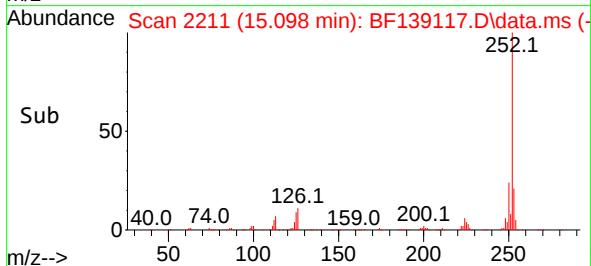
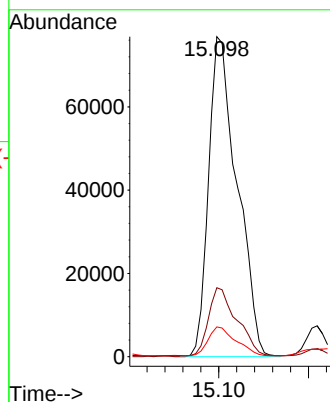
Tgt Ion:252 Resp: 169556

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 9.3 7.0 10.6



#90

Benzo(a)pyrene

Concen: 6.645 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139117.D

Acq: 22 Aug 2024 12:22

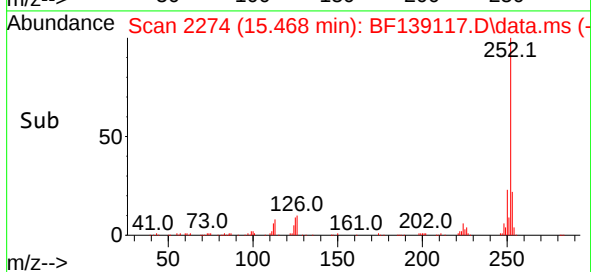
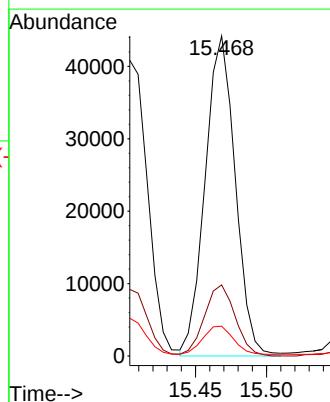
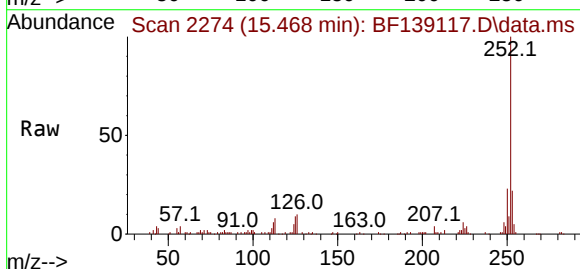
Tgt Ion:252 Resp: 65339

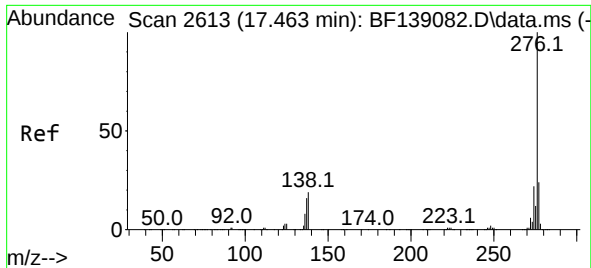
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

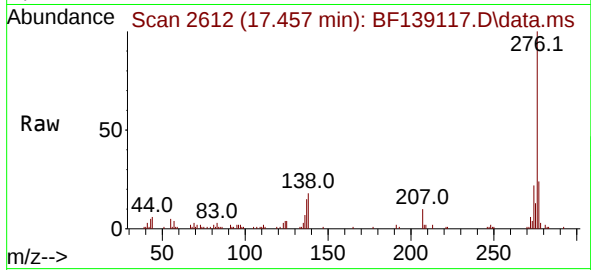
125 9.3 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.109 ng
 RT: 17.457 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139117.D
 Acq: 22 Aug 2024 12:22

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



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

