

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139121.D
 Acq On : 22 Aug 2024 14:20
 Operator : RC/JU
 Sample : P3641-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-909-K1-0.5-1.0-081524

Quant Time: Aug 22 15:01:08 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)

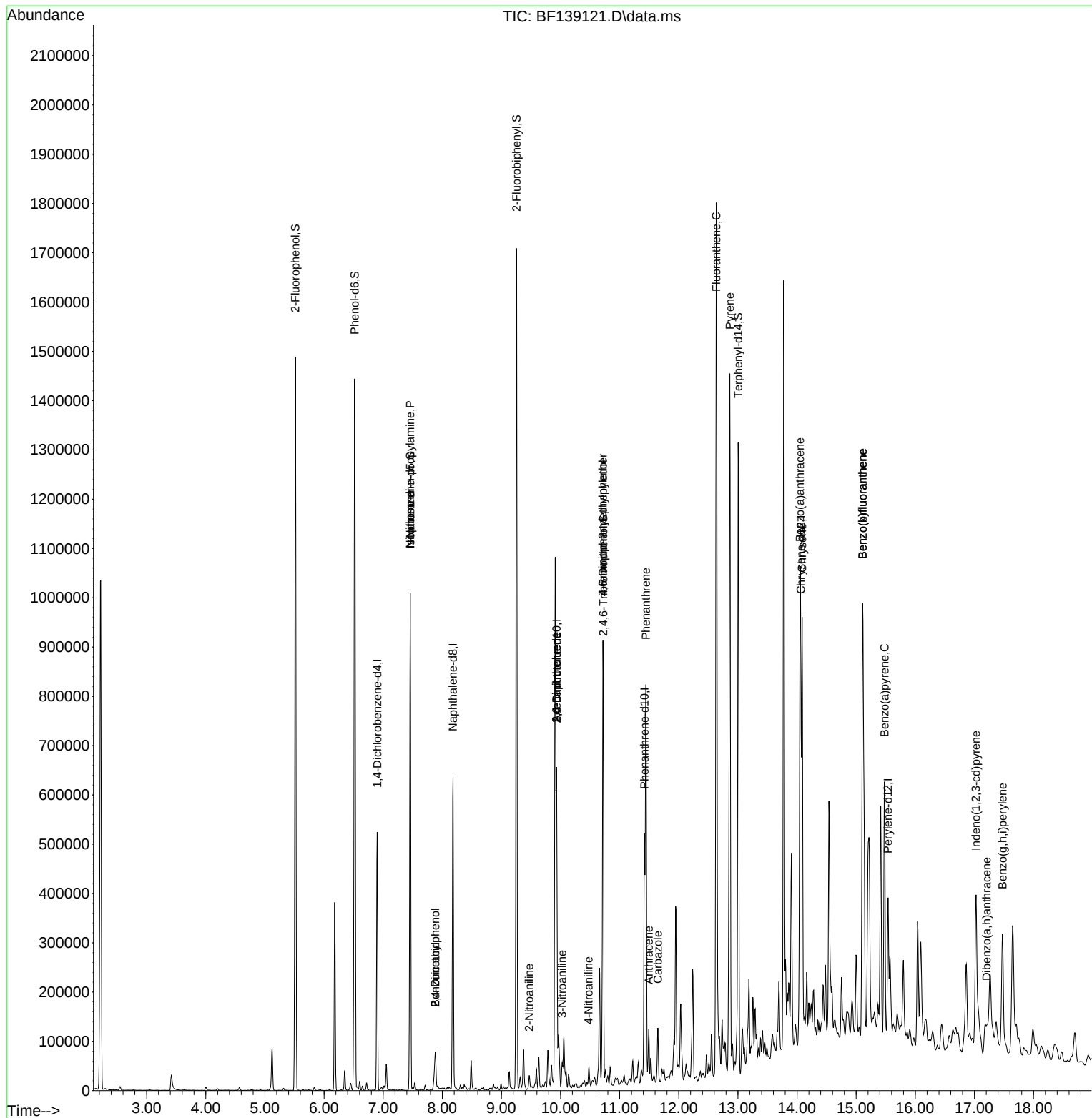
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	99701	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	365151	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	181246	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	252789	20.000	ng	0.00
76) Chrysene-d12	14.063	240	188524	20.000	ng	0.00
86) Perylene-d12	15.539	264	156127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	501803	77.435	ng	0.00
7) Phenol-d6	6.516	99	655067	78.232	ng	0.00
23) Nitrobenzene-d5	7.457	82	434910	69.402	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	128077	78.058	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	724394	63.413	ng	0.00
79) Terphenyl-d14	13.004	244	596388	52.491	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	60583	11.017	ng	# 78
25) Isophorone	7.457	82	434510	32.622	ng	# 69
27) 2,4-Dimethylphenol	7.881	122	26364	6.242	ng	# 2
32) Benzoic acid	7.881	122	26364	14.539	ng	98
48) 2-Nitroaniline	9.469	65	366	5.769	ng	# 42
51) 2,6-Dinitrotoluene	9.934	165	23368	13.949	ng	# 17
53) 3-Nitroaniline	10.028	138	410	4.339	ng	# 1
57) 2,4-Dinitrotoluene	9.934	165	23368	12.891	ng	# 18
62) 4-Nitroaniline	10.475	138	125	3.760	ng	# 9
65) 4,6-Dinitro-2-methylph...	10.716	198	269	6.793	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	8983	3.354	ng	# 1
71) Phenanthrene	11.445	178	412349	32.093	ng	99
72) Anthracene	11.492	178	59290	4.718	ng	99
73) Carbazole	11.645	167	53718	4.578	ng	100
75) Fluoranthene	12.633	202	1002756	73.120	ng	100
78) Pyrene	12.863	202	799156	50.796	ng	98
81) Benzo(a)anthracene	14.051	228	400211	32.294	ng	96
83) Chrysene	14.086	228	436097	38.823	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	232664	25.463	ng	95
88) Benzo(b)fluoranthene	15.110	252	783113	76.938	ng	99
89) Benzo(k)fluoranthene	15.110	252	783113	92.376	ng	99
90) Benzo(a)pyrene	15.480	252	307057	38.178	ng	99
91) Dibenzo(a,h)anthracene	17.204	278	25240	3.365	ng	92
92) Benzo(g,h,i)perylene	17.474	276	219837	26.954	ng	98

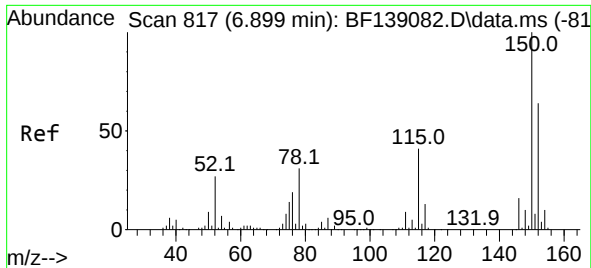
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-909-K1-0.5-1.0-081524

Quant Time: Aug 22 15:01:08 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
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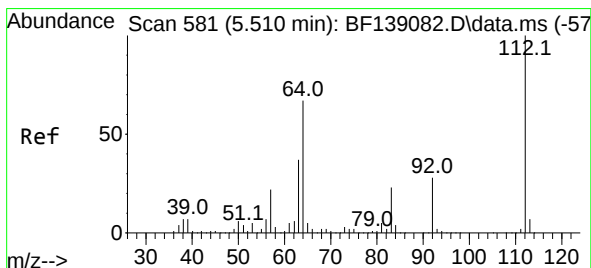
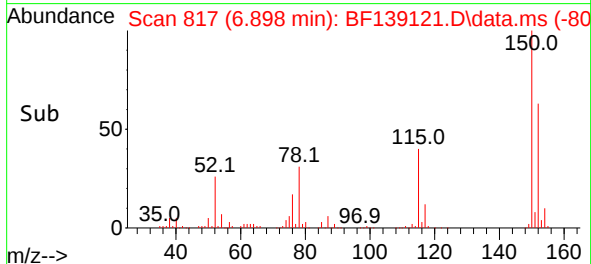
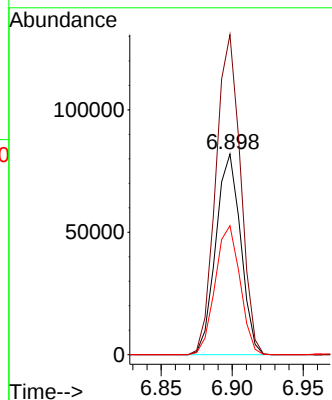
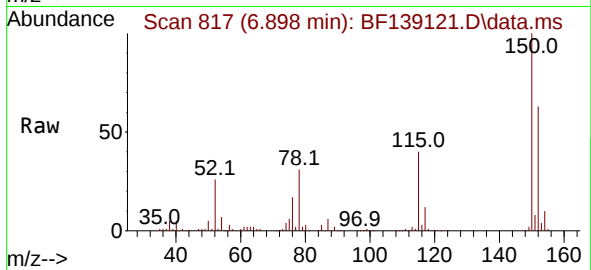




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 817
 Delta R.T. -0.001 min
 Lab File: BF139121.D
 Acq: 22 Aug 2024 14:20

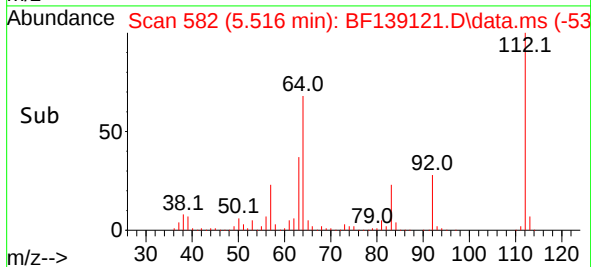
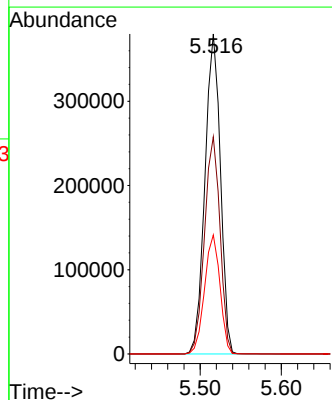
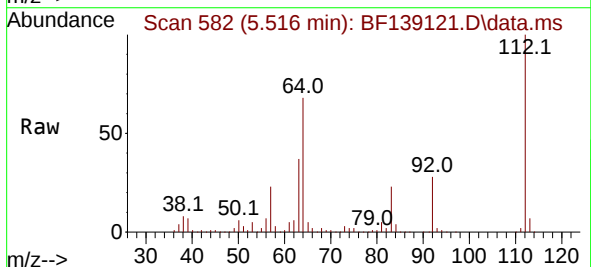
Instrument :
 BNA_F
 ClientSampleId :
 S-909-K1-0.5-1.0-081524

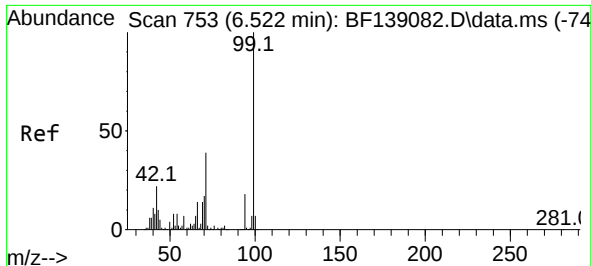
Tgt Ion:152 Resp: 99701
 Ion Ratio Lower Upper
 152 100
 150 159.5 125.1 187.7
 115 64.3 51.8 77.6



#5
 2-Fluorophenol
 Concen: 77.435 ng
 RT: 5.516 min Scan# 582
 Delta R.T. 0.006 min
 Lab File: BF139121.D
 Acq: 22 Aug 2024 14:20

Tgt Ion:112 Resp: 501803
 Ion Ratio Lower Upper
 112 100
 64 67.9 53.8 80.6
 63 37.2 29.4 44.2

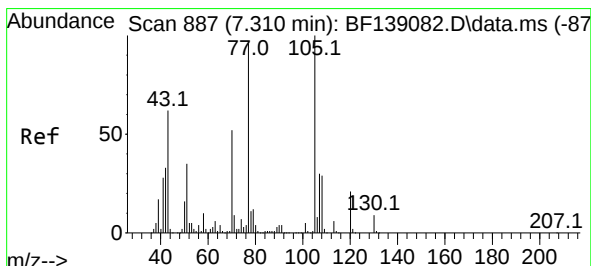
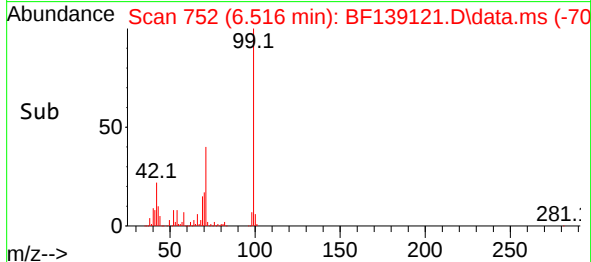
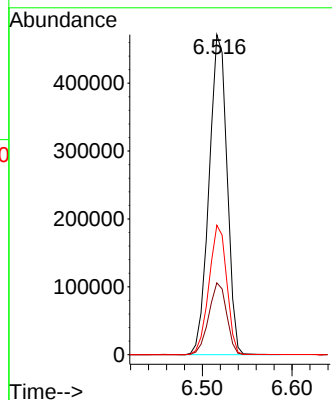
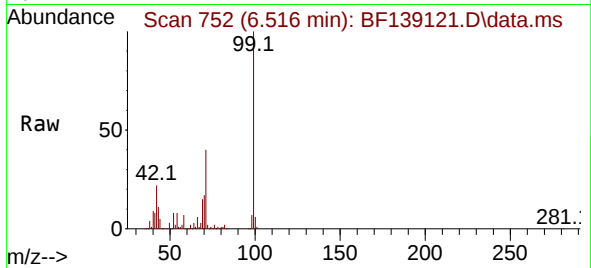




#7
Phenol-d6
Concen: 78.232 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

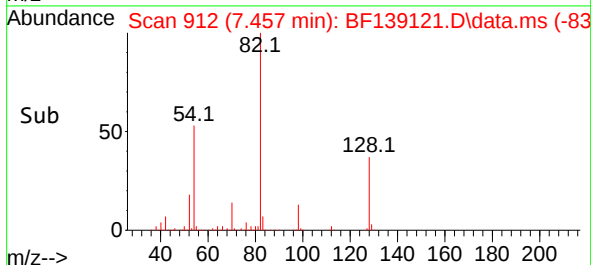
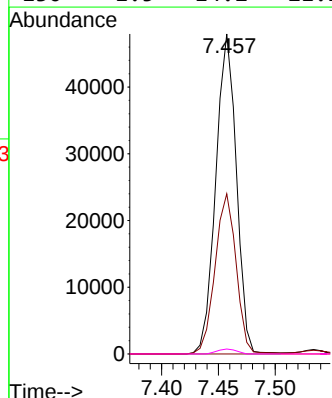
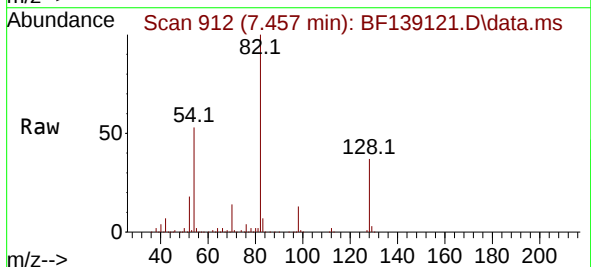
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0.5-1.0-081524

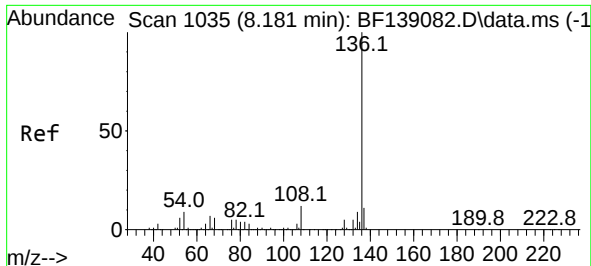
Tgt Ion: 99 Resp: 655067
Ion Ratio Lower Upper
99 100
42 22.5 17.4 26.2
71 40.4 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.017 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Tgt Ion: 70 Resp: 60583
Ion Ratio Lower Upper
70 100
42 50.1 50.5 75.7#
101 0.0 7.2 10.8#
130 1.5 14.2 21.2#

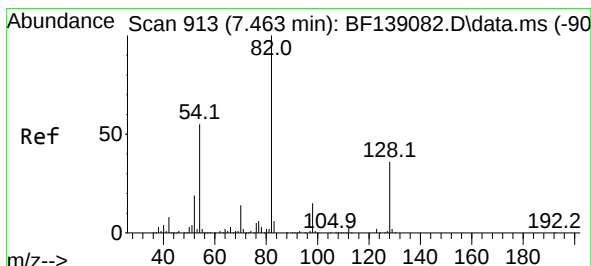
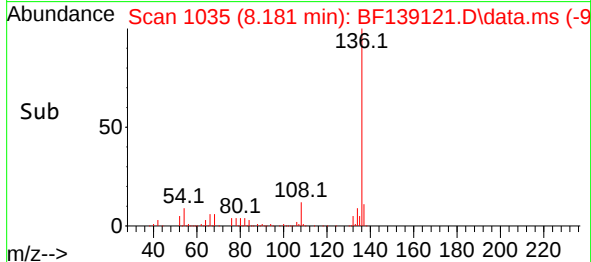
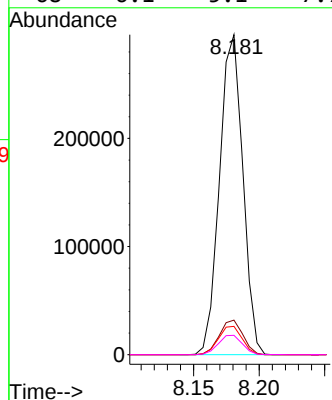
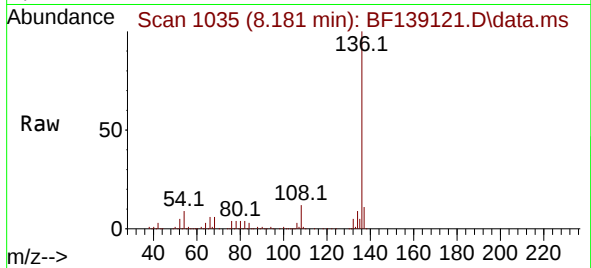




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

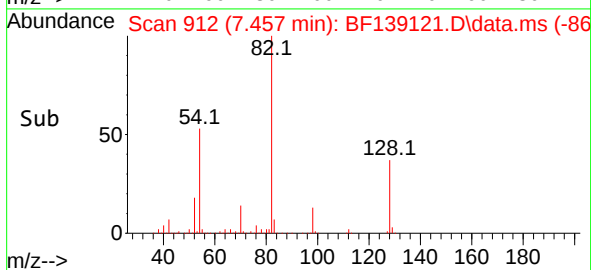
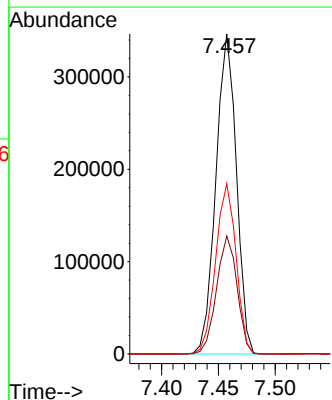
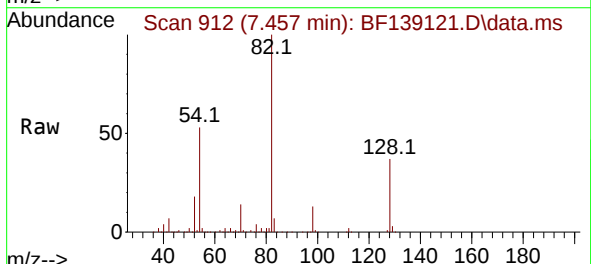
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0.5-1.0-081524

Tgt Ion:	136	Resp:	365151
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	8.8	7.6	11.4
68	6.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 69.402 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Tgt Ion:	82	Resp:	434910
Ion Ratio	Lower	Upper	
82	100		
128	36.9	29.0	43.4
54	53.2	43.4	65.2

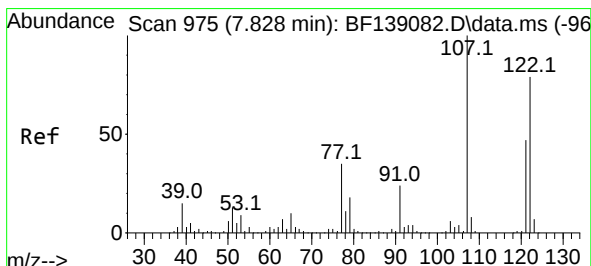
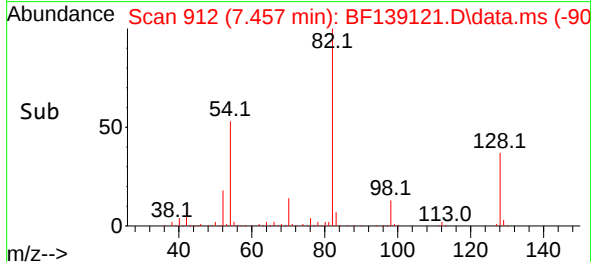
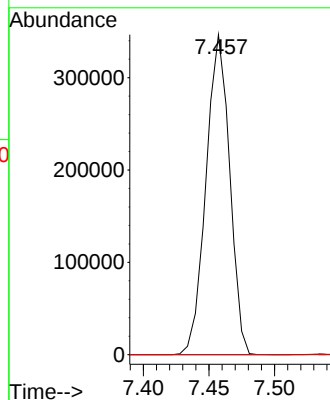
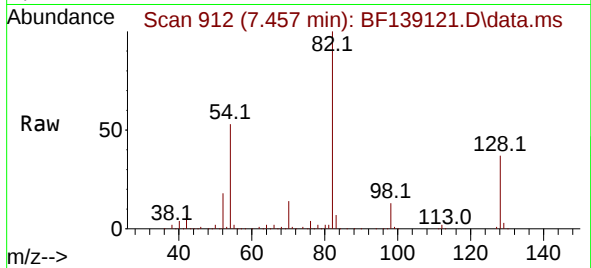




#25
Isophorone
Concen: 32.622 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

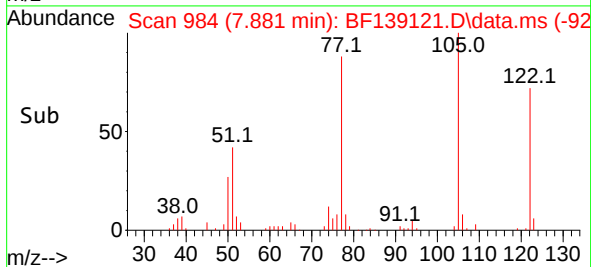
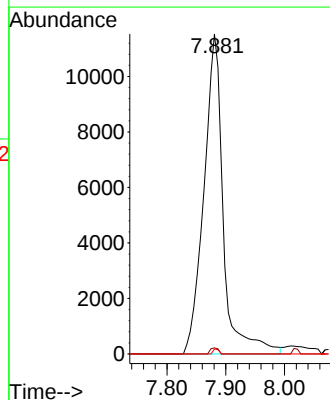
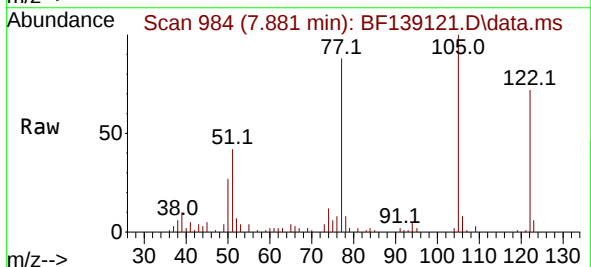
Instrument :
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ClientSampleId :
S-909-K1-0.5-1.0-081524

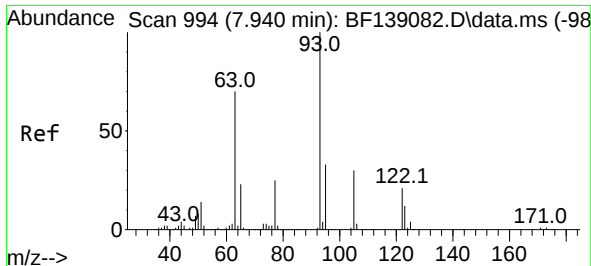
Tgt Ion: 82 Resp: 434510
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#27
2,4-Dimethylphenol
Concen: 6.242 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.053 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Tgt Ion:122 Resp: 26364
Ion Ratio Lower Upper
122 100
107 1.9 101.1 151.7#
121 1.6 47.5 71.3#

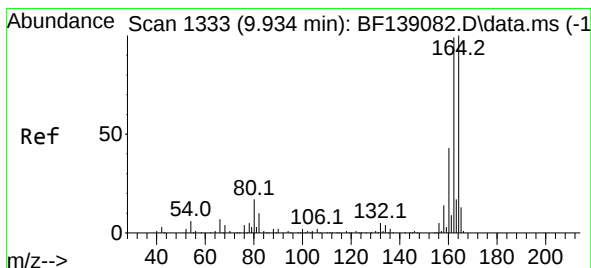
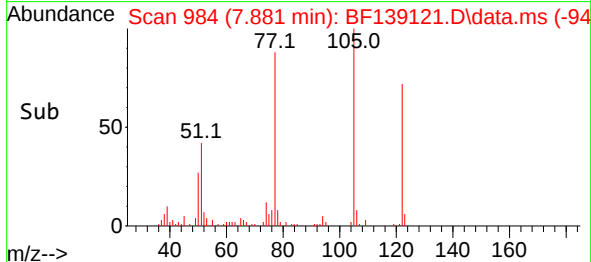
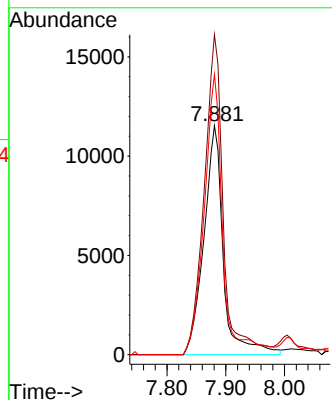
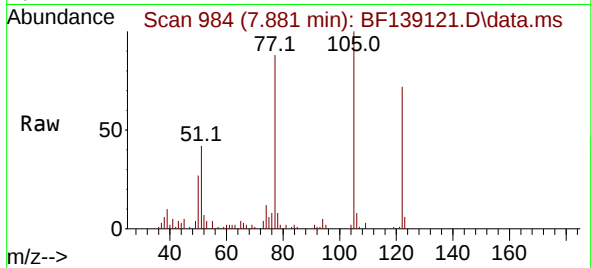




#32
Benzoic acid
Concen: 14.539 ng
RT: 7.881 min Scan# 91
Delta R.T. -0.059 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

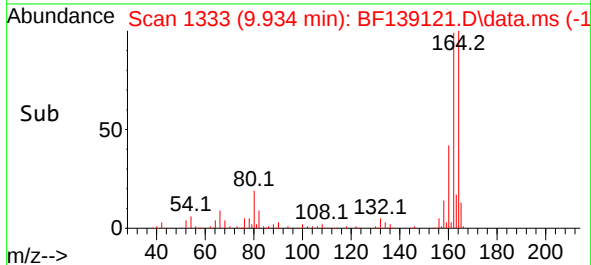
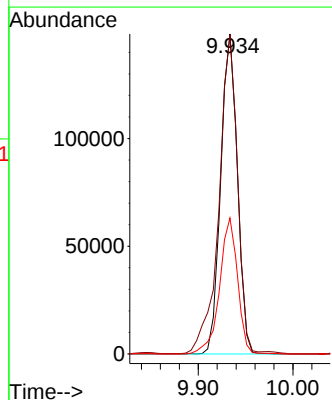
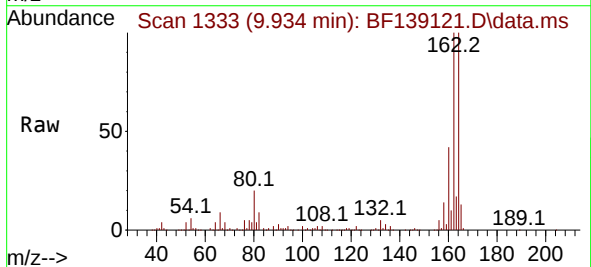
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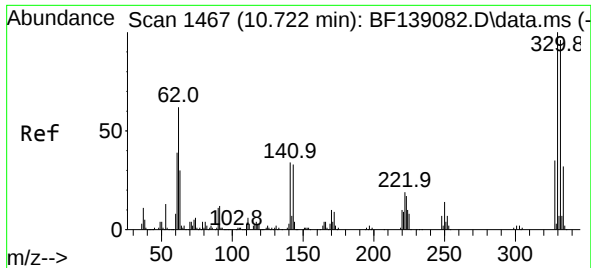
Tgt Ion:122 Resp: 26364
Ion Ratio Lower Upper
122 100
105 139.8 119.6 159.6
77 122.4 97.6 137.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Tgt Ion:164 Resp: 181246
Ion Ratio Lower Upper
164 100
162 99.8 79.5 119.3
160 42.5 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 78.058 ng

RT: 10.722 min Scan# 1467

Delta R.T. -0.000 min

Lab File: BF139121.D

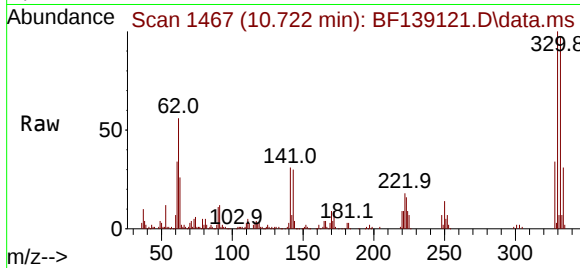
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Instrument :

BNA_F

ClientSampleId :

S-909-K1-0.5-1.0-081524



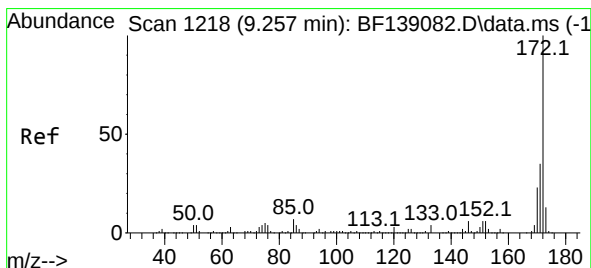
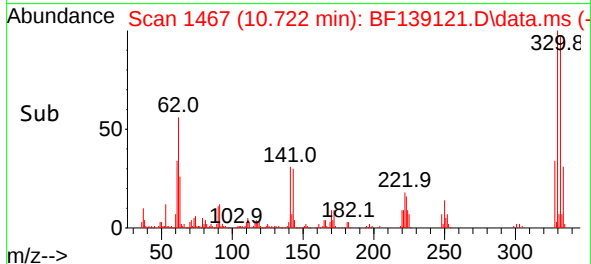
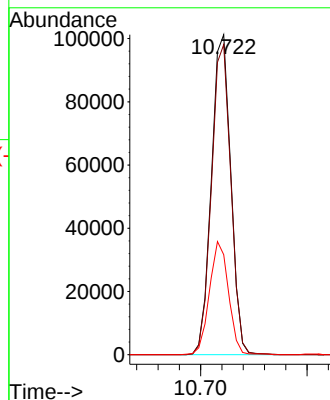
Tgt Ion:330 Resp: 128077

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

141 34.9 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 63.413 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.000 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

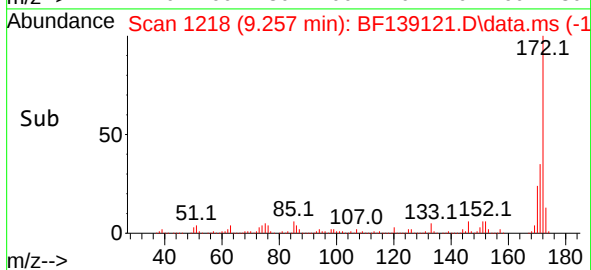
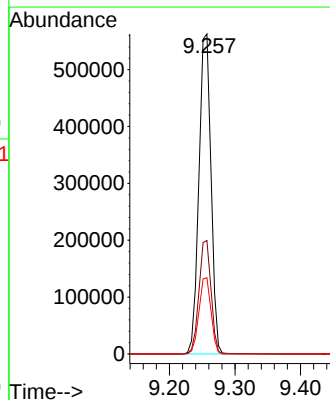
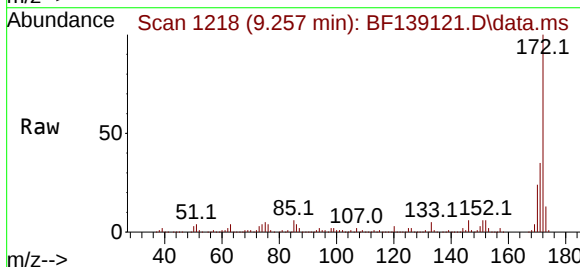
Tgt Ion:172 Resp: 724394

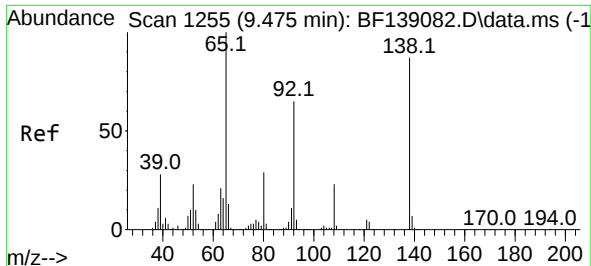
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.8 18.8 28.2

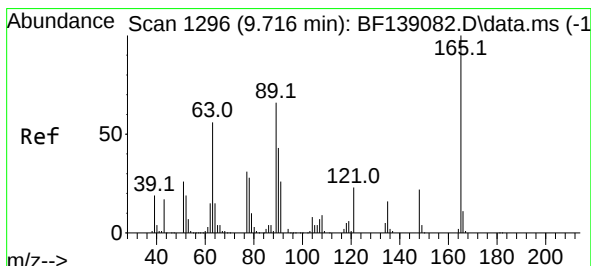
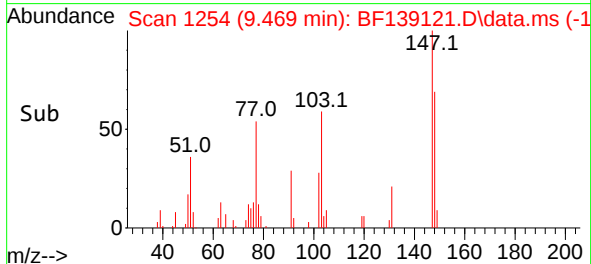
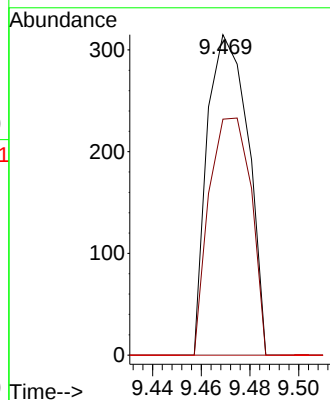
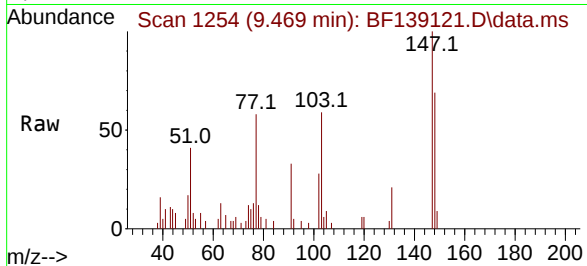




#48
2-Nitroaniline
Concen: 5.769 ng
RT: 9.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

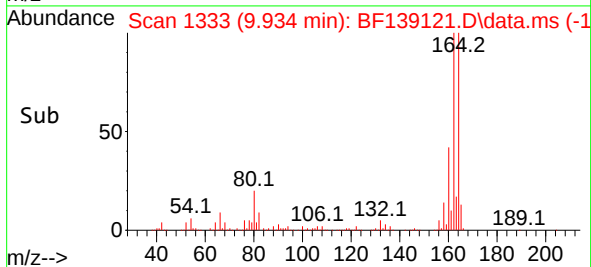
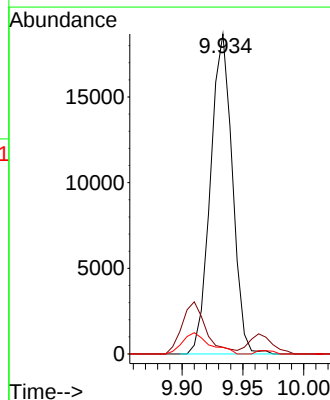
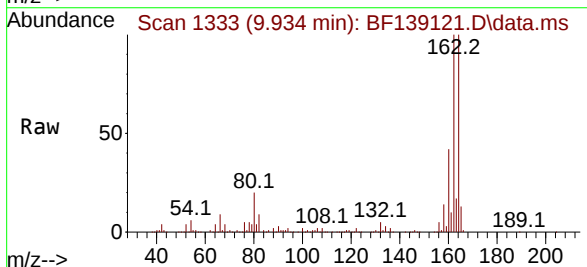
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0.5-1.0-081524

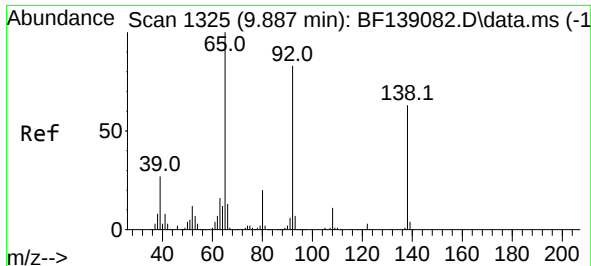
Tgt Ion: 65 Resp: 366
Ion Ratio Lower Upper
65 100
92 73.7 52.4 78.6
138 0.0 69.4 104.0#



#51
2,6-Dinitrotoluene
Concen: 13.949 ng
RT: 9.934 min Scan# 1333
Delta R.T. 0.218 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Tgt Ion:165 Resp: 23368
Ion Ratio Lower Upper
165 100
63 2.1 58.0 87.0#
89 2.1 53.3 79.9#

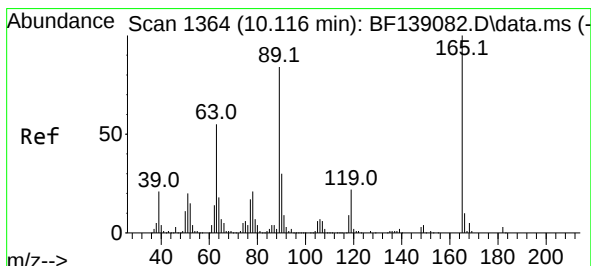
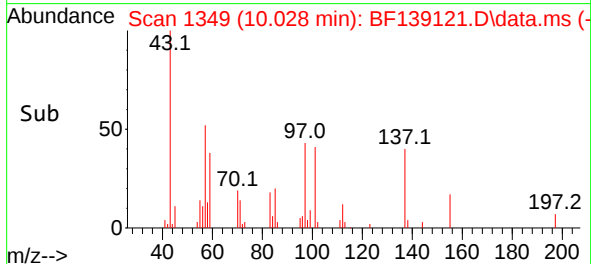
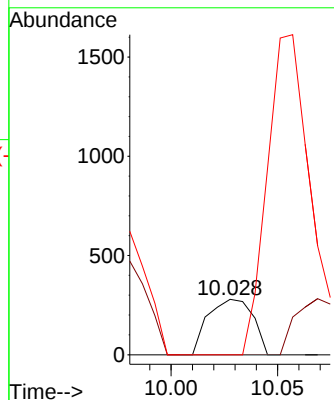
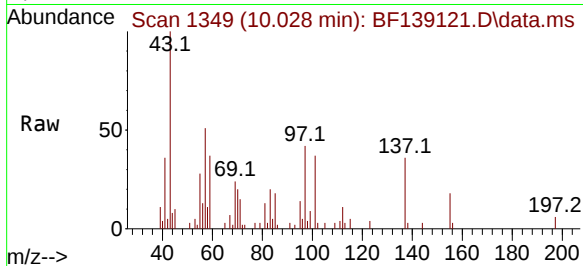




#53
3-Nitroaniline
Concen: 4.339 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.141 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

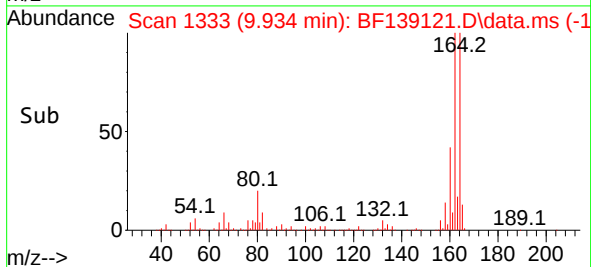
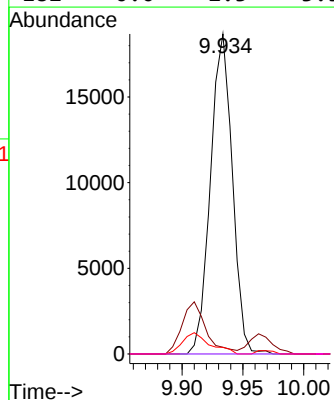
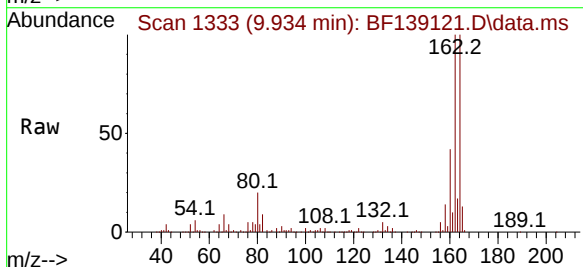
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0.5-1.0-081524

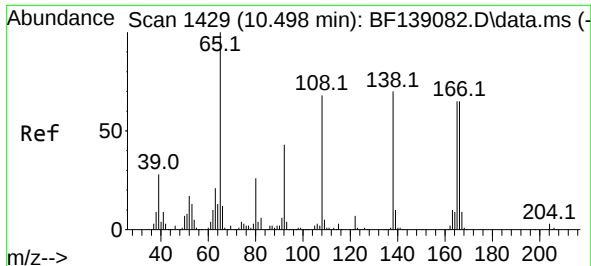
Tgt Ion:138 Resp: 410
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#



#57
2,4-Dinitrotoluene
Concen: 12.891 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.182 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Tgt Ion:165 Resp: 23368
Ion Ratio Lower Upper
165 100
63 2.1 44.2 66.4#
89 2.1 67.4 101.2#
182 0.0 2.3 3.5#

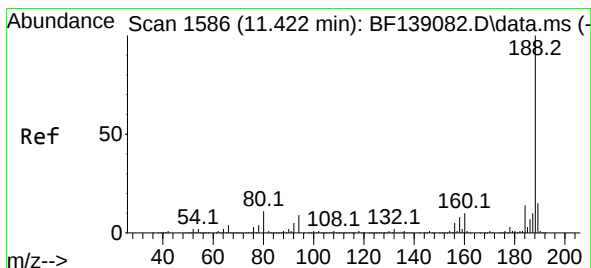
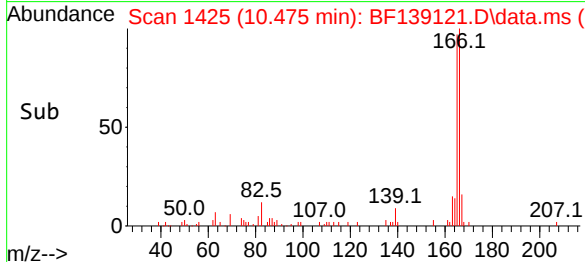
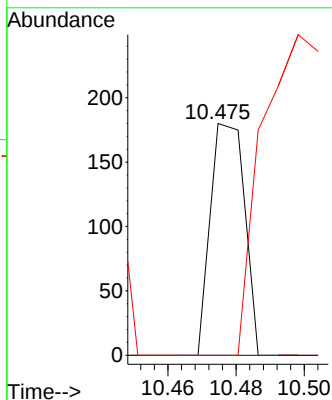
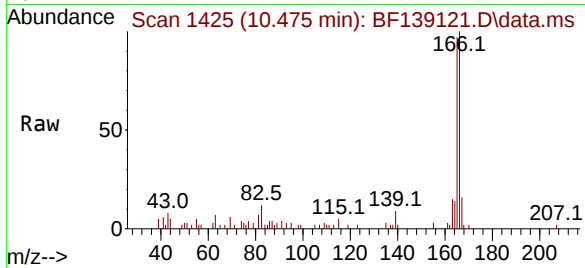




#62
4-Nitroaniline
Concen: 3.760 ng
RT: 10.475 min Scan# 1429
Delta R.T. -0.023 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

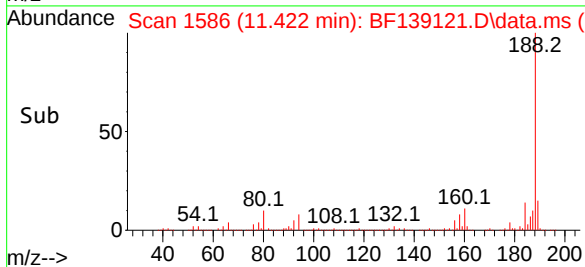
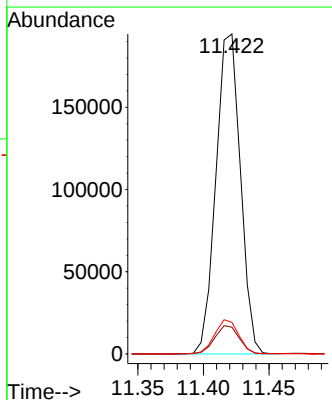
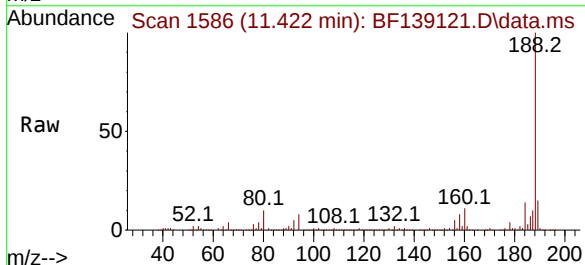
Instrument :
BNA_F
ClientSampleId :
S-909-K1-0.5-1.0-081524

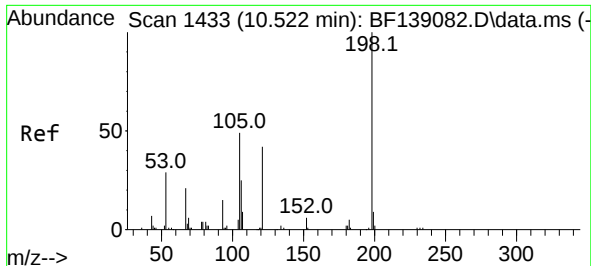
Tgt Ion:138 Resp: 125
Ion Ratio Lower Upper
138 100
92 0.0 41.4 81.4#
108 0.0 76.8 116.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Tgt Ion:188 Resp: 252789
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.8 8.5 12.7





#65

4,6-Dinitro-2-methylphenol

Concen: 6.793 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0.5-1.0-081524

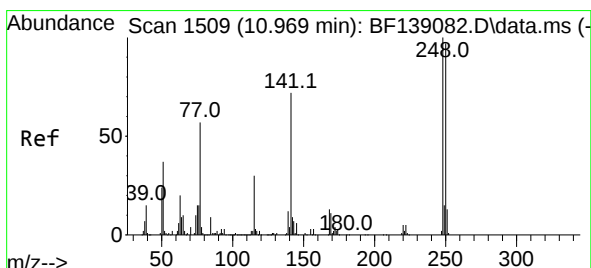
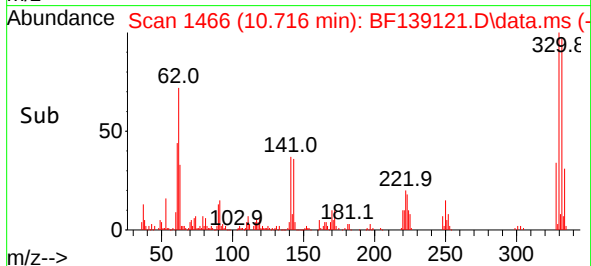
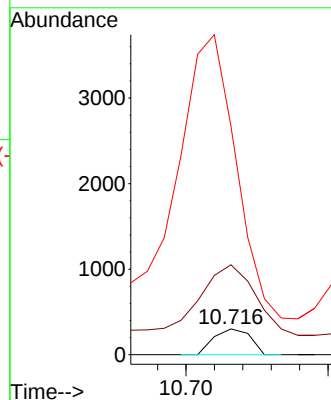
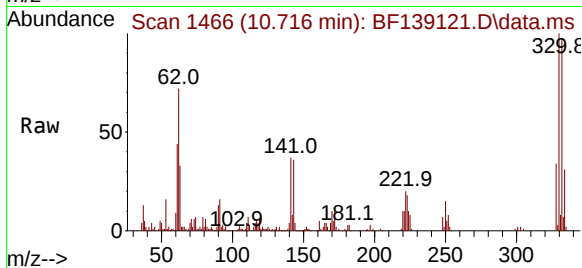
Tgt Ion:198 Resp: 269

Ion Ratio Lower Upper

198 100

51 348.3 40.8 80.8#

105 884.8 30.9 70.9#



#67

4-Bromophenyl-phenylether

Concen: 3.354 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.253 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

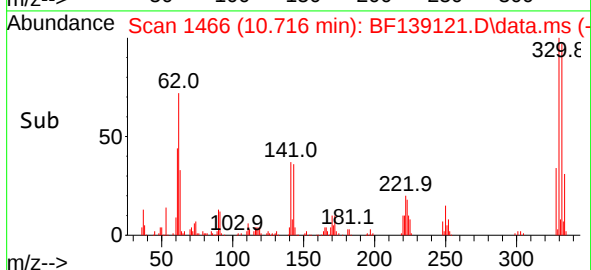
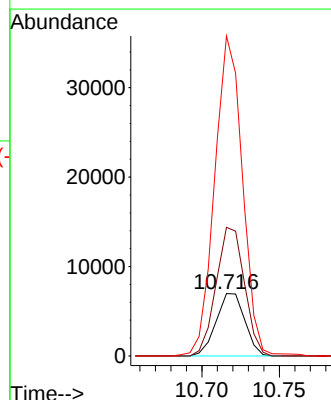
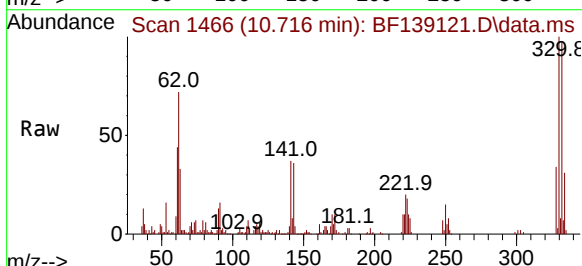
Tgt Ion:248 Resp: 8983

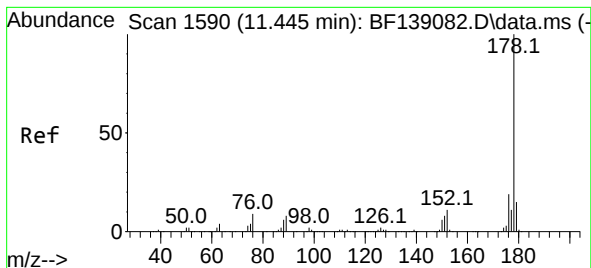
Ion Ratio Lower Upper

248 100

250 206.2 77.8 116.8#

141 513.1 57.9 86.9#





#71

Phenanthrene

Concen: 32.093 ng

RT: 11.445 min Scan# 1590

Delta R.T. -0.000 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0.5-1.0-081524

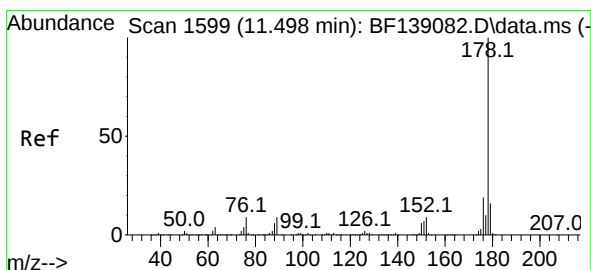
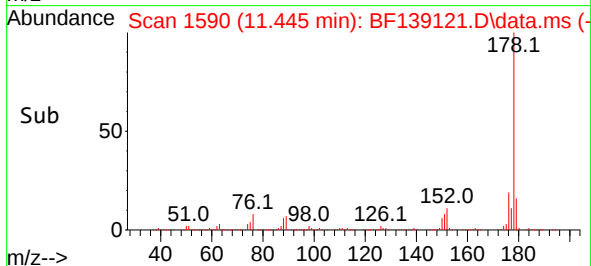
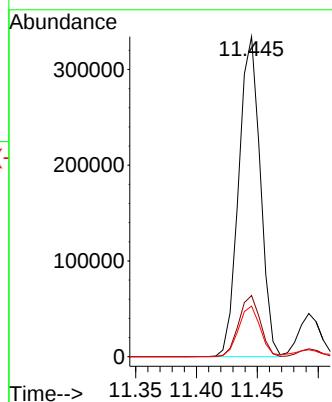
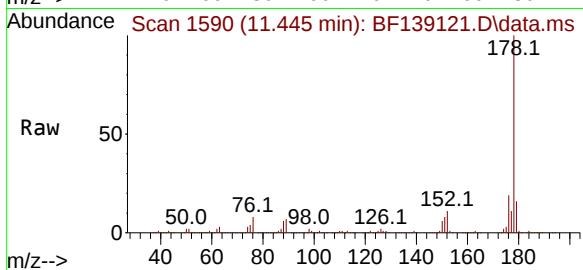
Tgt Ion:178 Resp: 412349

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.8 12.3 18.5



#72

Anthracene

Concen: 4.718 ng

RT: 11.492 min Scan# 1598

Delta R.T. -0.006 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

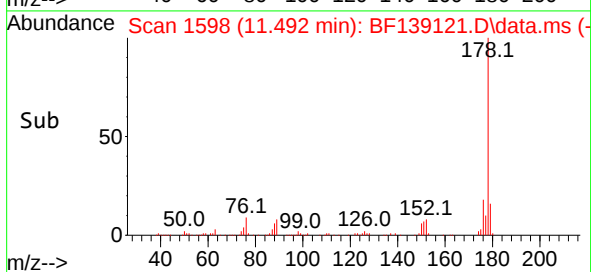
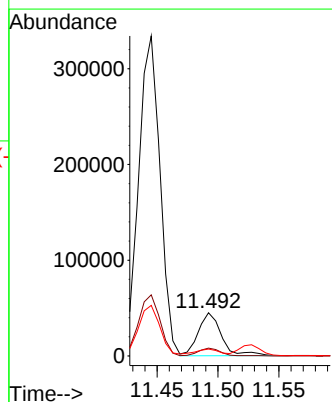
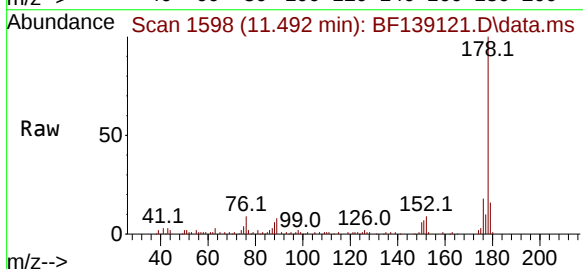
Tgt Ion:178 Resp: 59290

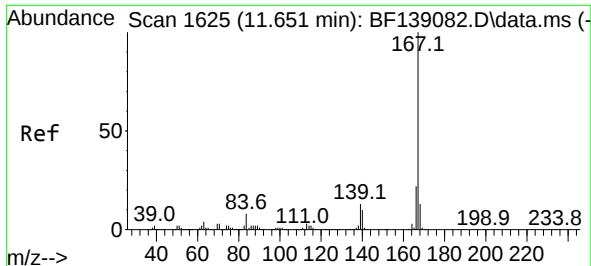
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

179 15.9 12.4 18.6

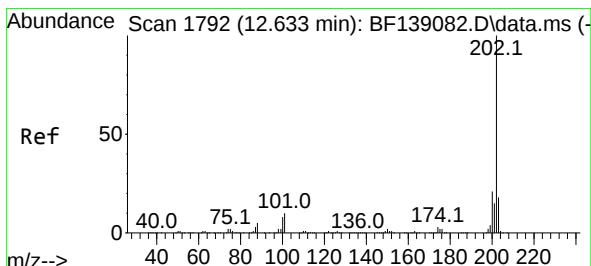
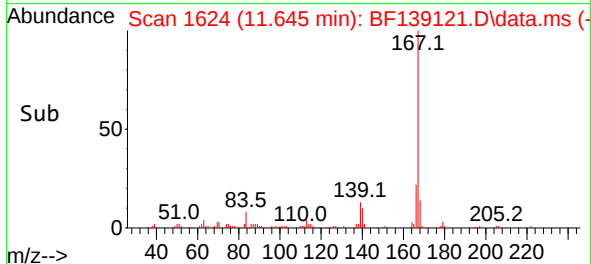
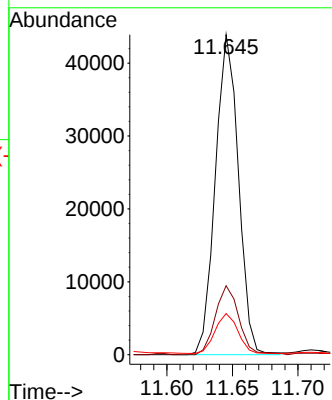
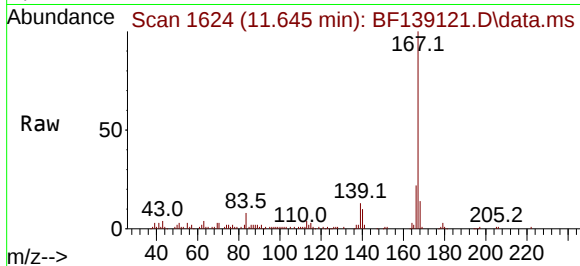




#73
 Carbazole
 Concen: 4.578 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF139121.D
 Acq: 22 Aug 2024 14:20

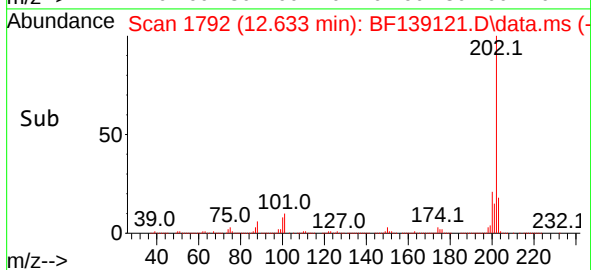
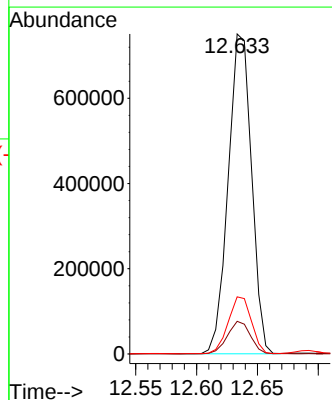
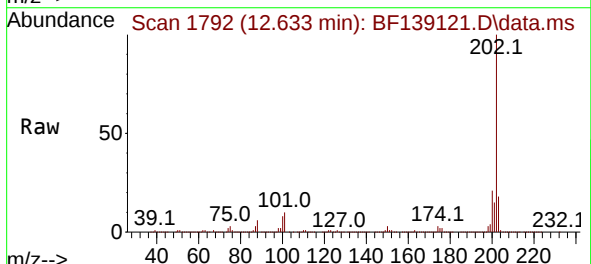
Instrument :
 BNA_F
 ClientSampleId :
 S-909-K1-0.5-1.0-081524

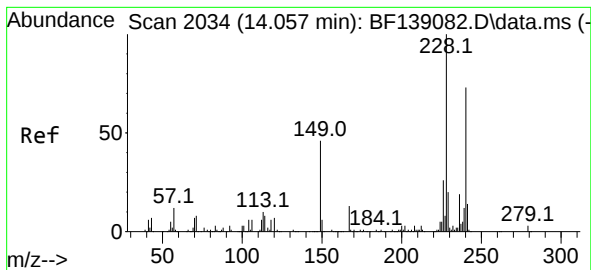
Tgt Ion:167 Resp: 53718
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.3 25.9
 139 12.9 10.5 15.7



#75
 Fluoranthene
 Concen: 73.120 ng
 RT: 12.633 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF139121.D
 Acq: 22 Aug 2024 14:20

Tgt Ion:202 Resp: 1002756
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.2
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0.5-1.0-081524

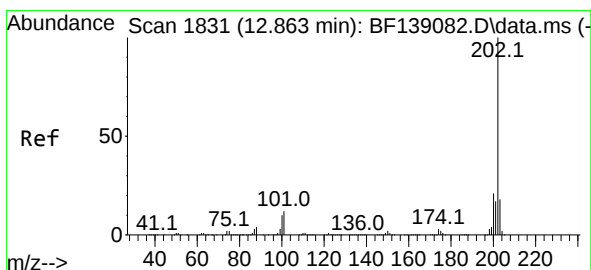
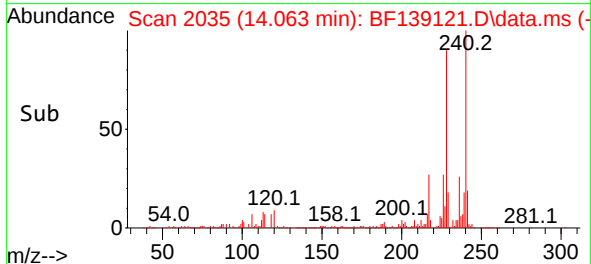
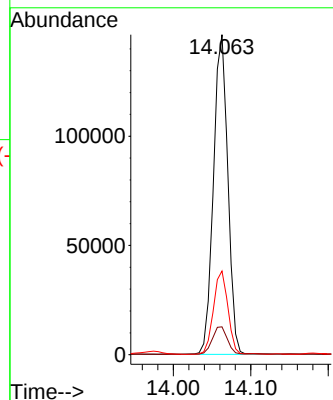
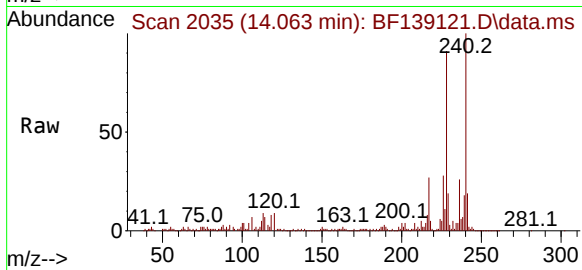
Tgt Ion:240 Resp: 188524

Ion Ratio Lower Upper

240 100

120 8.7 7.8 11.6

236 26.1 20.9 31.3



#78

Pyrene

Concen: 50.796 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

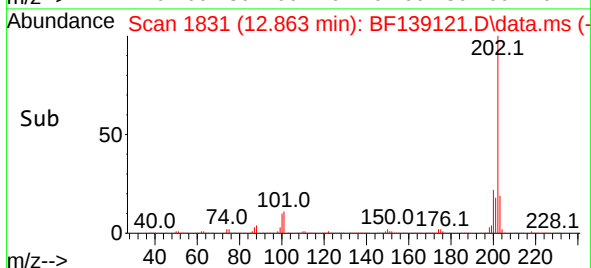
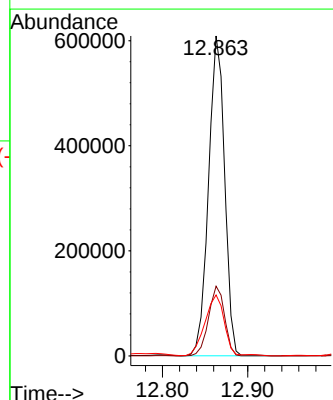
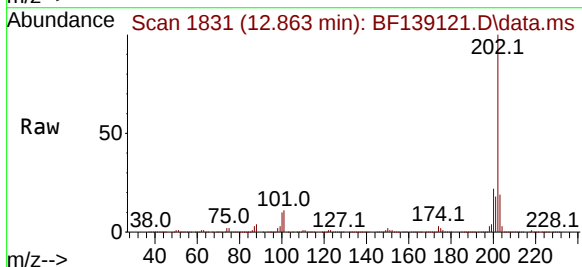
Tgt Ion:202 Resp: 799156

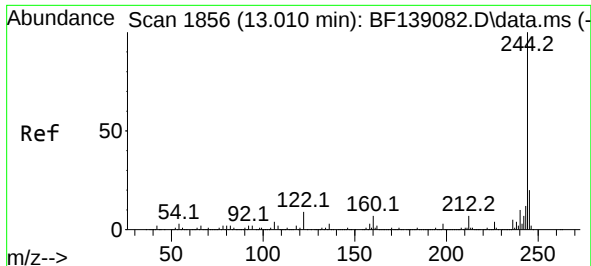
Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.6

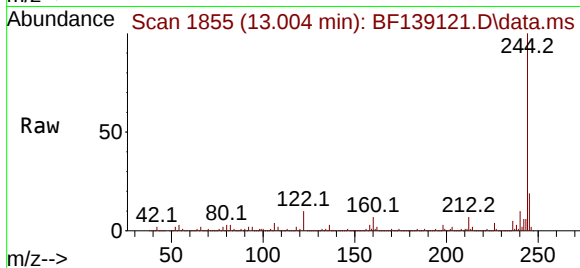
203 19.0 14.1 21.1



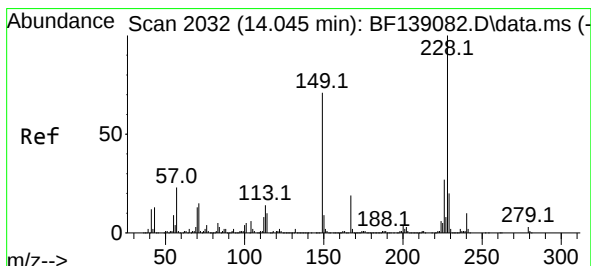
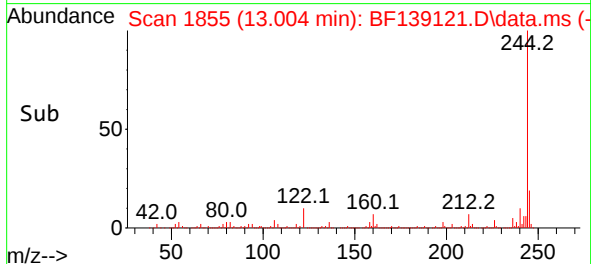
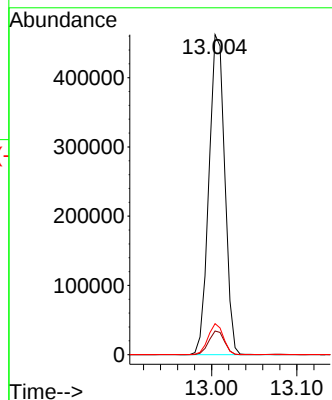


#79
 Terphenyl-d14
 Concen: 52.491 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. -0.006 min
 Lab File: BF139121.D
 Acq: 22 Aug 2024 14:20

Instrument :
 BNA_F
 ClientSampleId :
 S-909-K1-0.5-1.0-081524

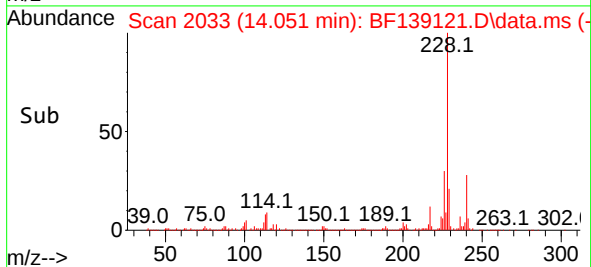
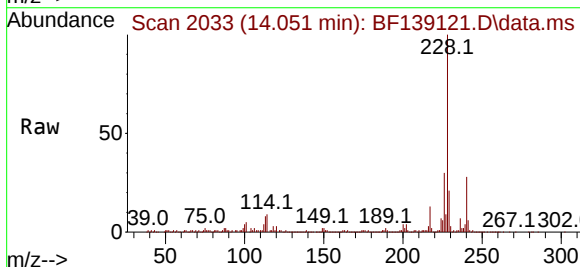
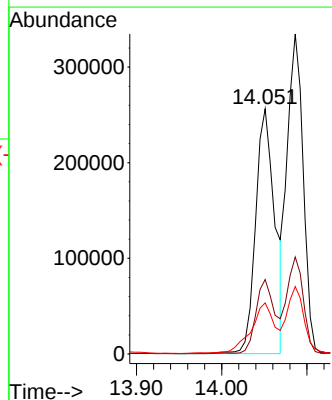


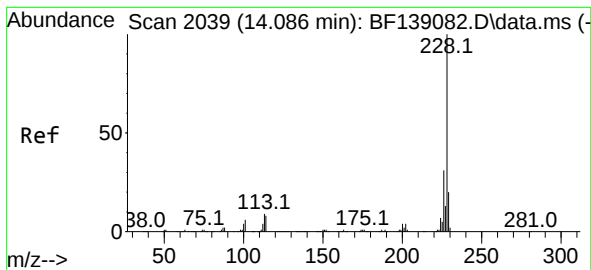
Tgt Ion:244 Resp: 596388
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.7 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 32.294 ng
 RT: 14.051 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF139121.D
 Acq: 22 Aug 2024 14:20

Tgt Ion:228 Resp: 400211
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.9 32.9
 229 20.8 16.1 24.1





#83

Chrysene

Concen: 38.823 ng

RT: 14.086 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0.5-1.0-081524

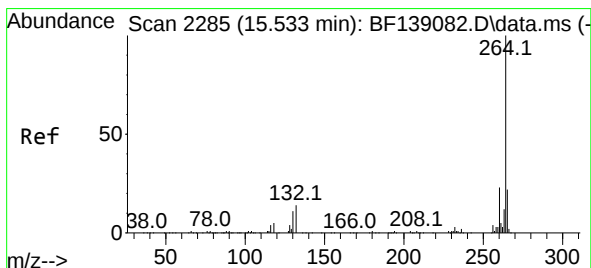
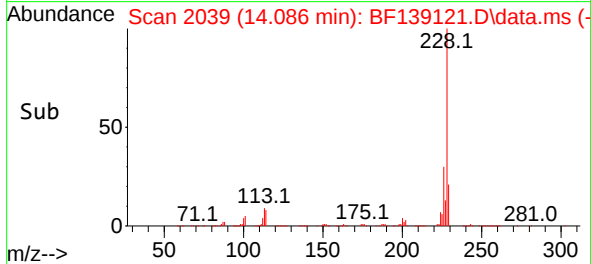
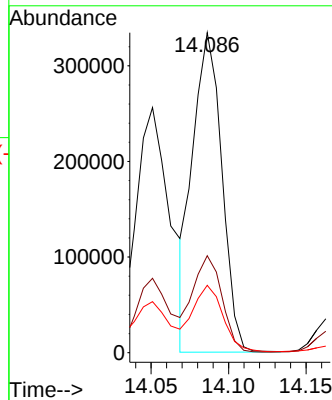
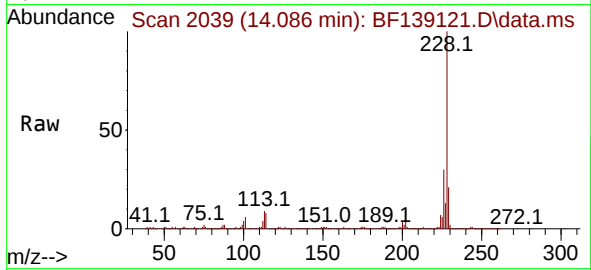
Tgt Ion:228 Resp: 436097

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 21.1 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. 0.006 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

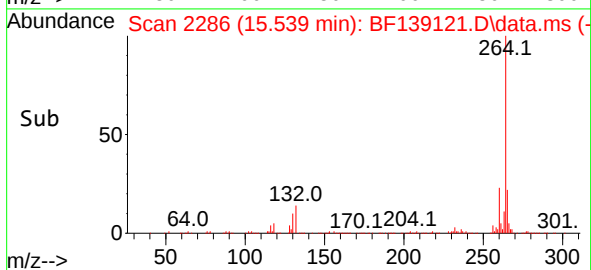
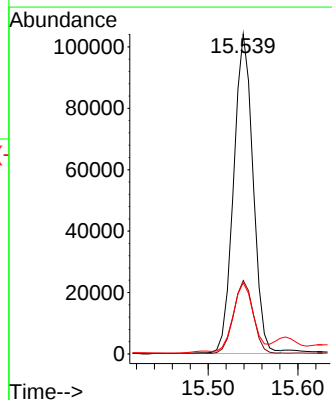
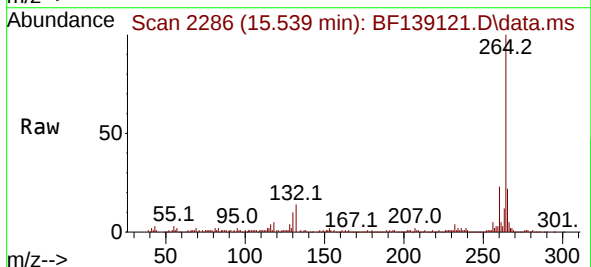
Tgt Ion:264 Resp: 156127

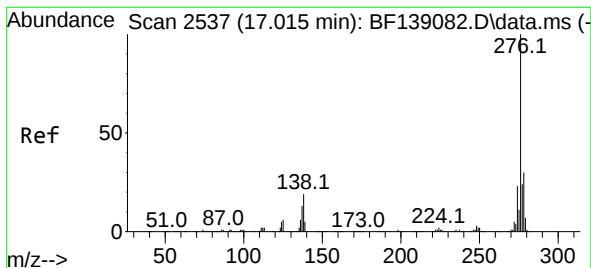
Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 22.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 25.463 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0.5-1.0-081524

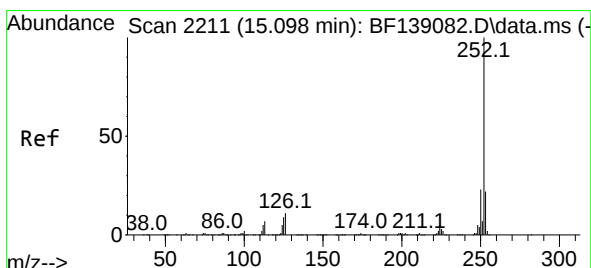
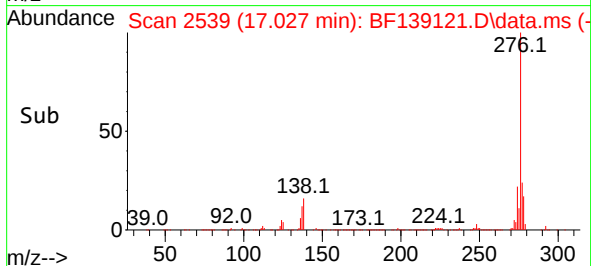
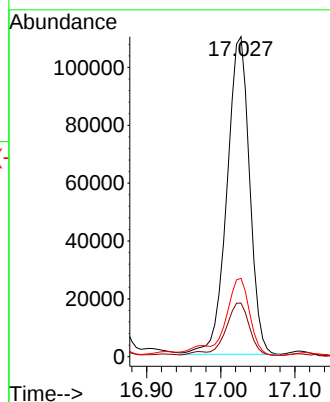
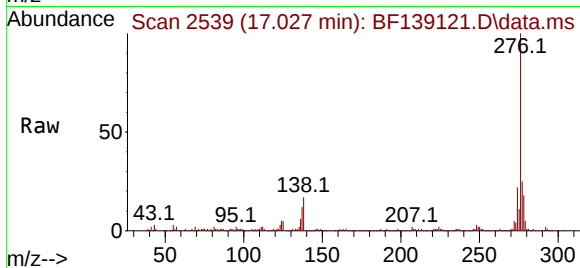
Tgt Ion:276 Resp: 232664

Ion Ratio Lower Upper

276 100

138 17.6 17.3 25.9

277 24.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 76.938 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.012 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

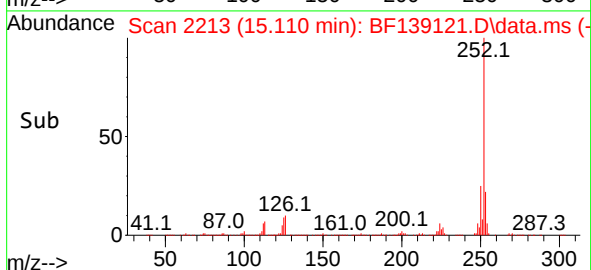
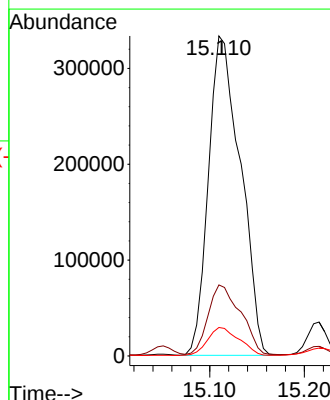
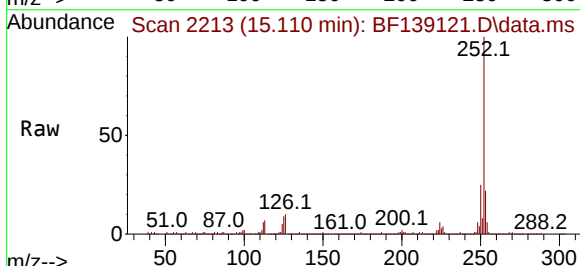
Tgt Ion:252 Resp: 783113

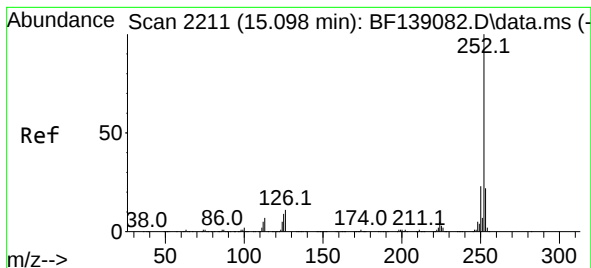
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 8.9 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 92.376 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

Instrument :

BNA_F

ClientSampleId :

S-909-K1-0.5-1.0-081524

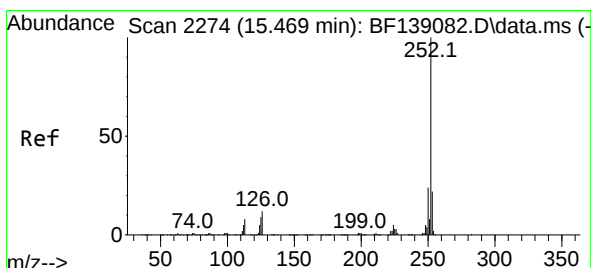
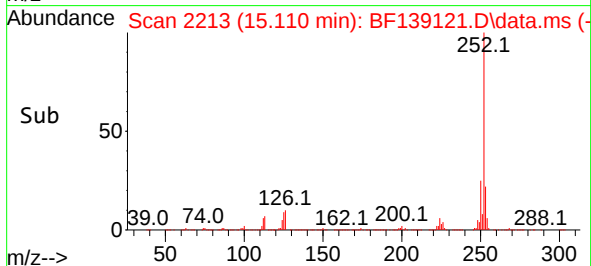
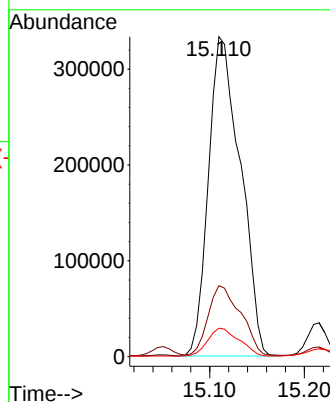
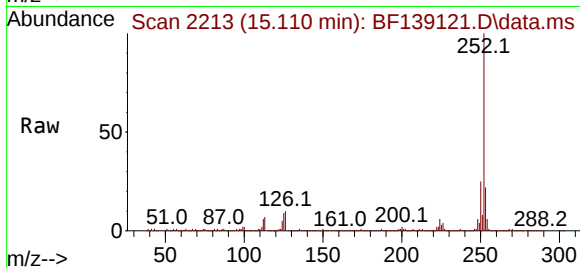
Tgt Ion:252 Resp: 783113

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 8.9 7.0 10.6



#90

Benzo(a)pyrene

Concen: 38.178 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.012 min

Lab File: BF139121.D

Acq: 22 Aug 2024 14:20

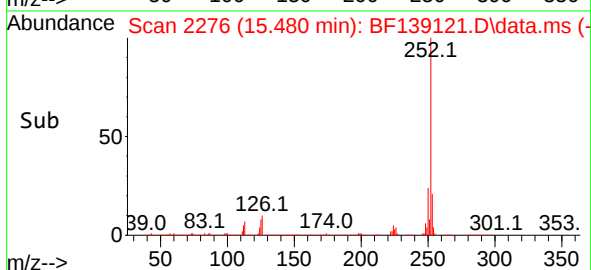
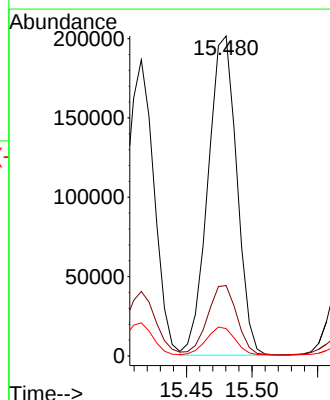
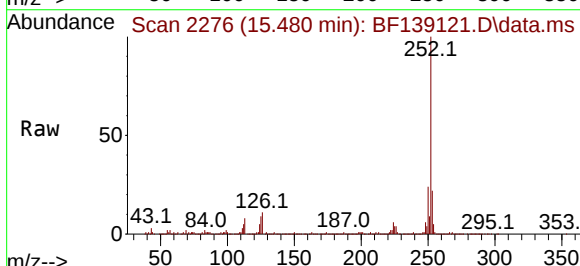
Tgt Ion:252 Resp: 307057

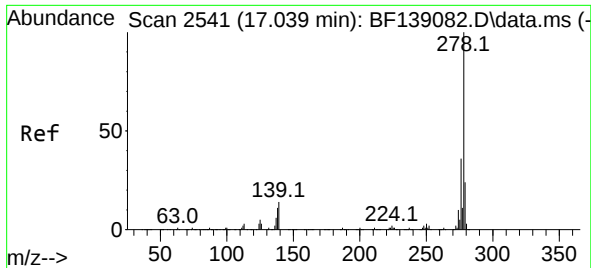
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 8.6 7.4 11.2

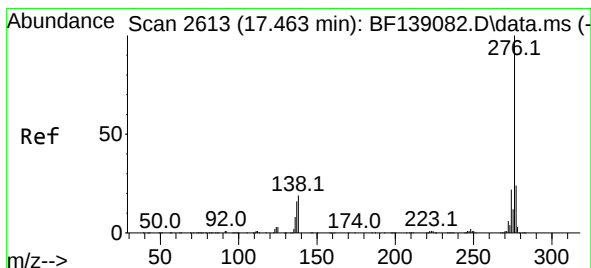
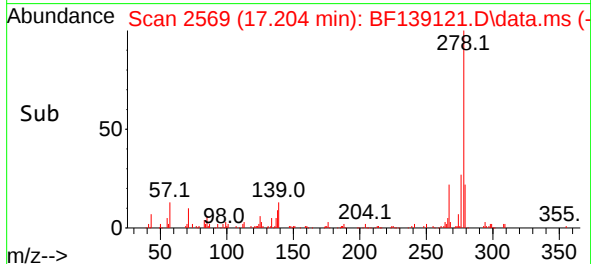
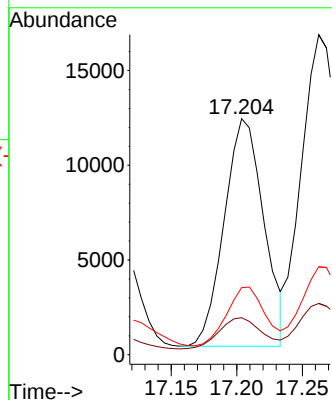
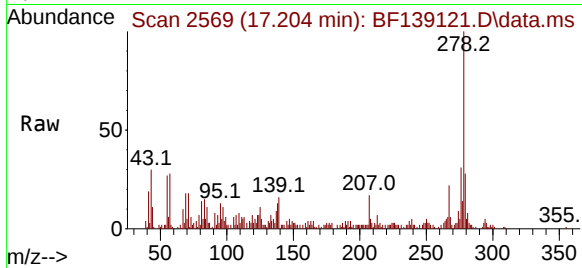




#91
Dibenzo(a,h)anthracene
Concen: 3.365 ng
RT: 17.204 min Scan# 21
Delta R.T. 0.165 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Instrument :
BNA_F
ClientSampleId :
S-909-K1-0.5-1.0-081524

Tgt Ion:	278	Resp:	25240
Ion Ratio	Lower	Upper	
278	100		
139	15.7	10.8	16.2
279	28.4	19.2	28.8



#92
Benzo(g,h,i)perylene
Concen: 26.954 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.011 min
Lab File: BF139121.D
Acq: 22 Aug 2024 14:20

Tgt Ion:	276	Resp:	219837
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.8	28.2
138	17.5	15.0	22.4

