

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082324\
 Data File : BF139155.D
 Acq On : 23 Aug 2024 19:15
 Operator : RC/JU
 Sample : P3707-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-913-K1-SO-0-0.5-082024

Quant Time: Aug 23 23:21:55 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)

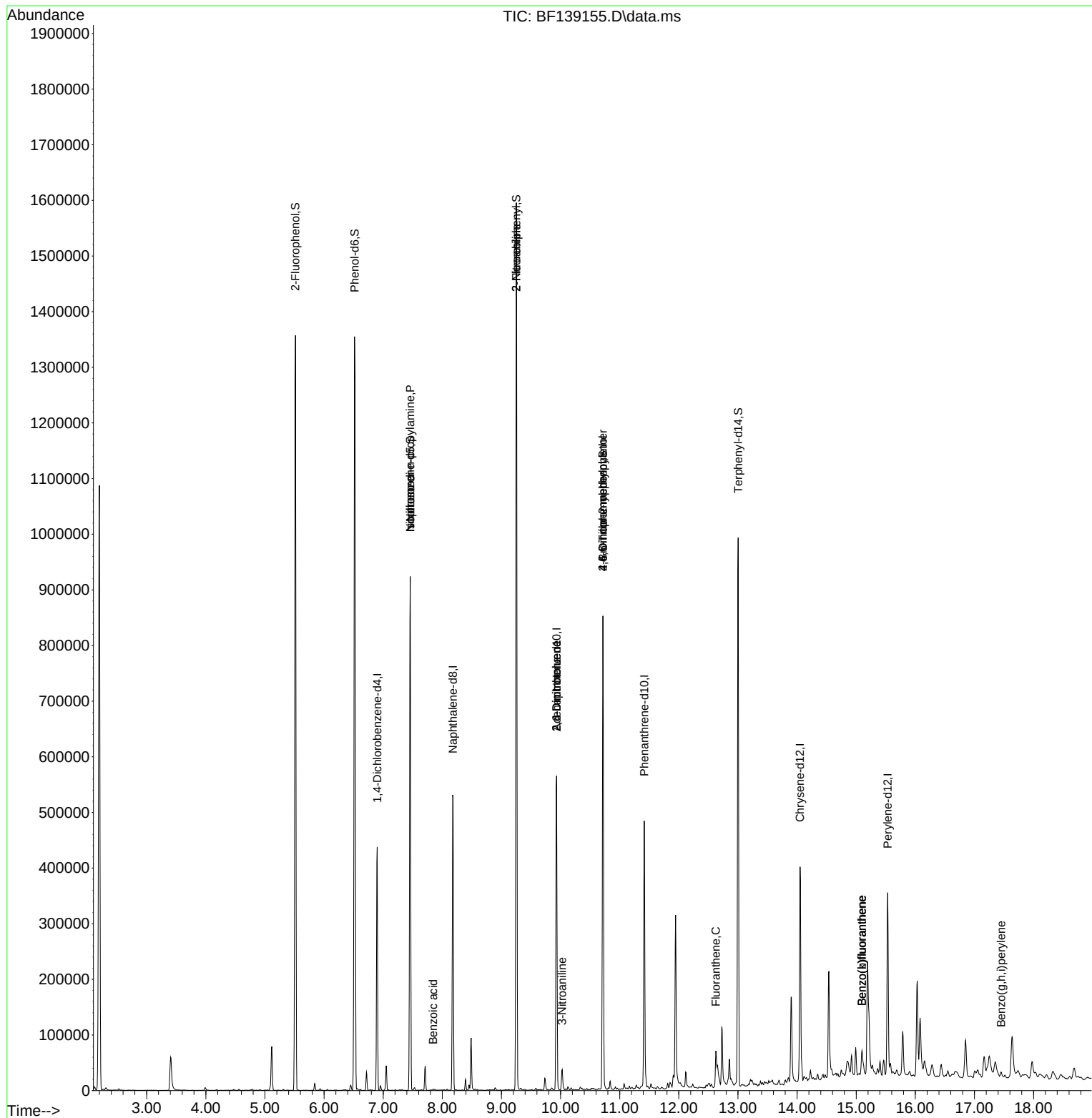
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	86296	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	313872	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	166811	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	237415	20.000	ng	0.00
76) Chrysene-d12	14.051	240	166148	20.000	ng	0.00
86) Perylene-d12	15.533	264	186913	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	465582	83.006	ng	0.00
7) Phenol-d6	6.516	99	611498	84.373	ng	0.00
23) Nitrobenzene-d5	7.457	82	408073	75.758	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	129472	85.736	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	660741	62.846	ng	0.00
79) Terphenyl-d14	13.004	244	472560	47.194	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	56447	11.860	ng	# 79
25) Isophorone	7.457	82	407509	35.594	ng	# 69
32) Benzoic acid	7.845	122	579	8.505	ng	96
48) 2-Nitroaniline	9.251	65	1340	6.101	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	21931	14.135	ng	# 16
53) 3-Nitroaniline	10.028	138	235	4.277	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	21931	13.036	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	263	6.806	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	8950	3.558	ng	# 1
75) Fluoranthene	12.627	202	30013	2.330	ng	99
88) Benzo(b)fluoranthene	15.098	252	34842	2.859	ng	# 94
89) Benzo(k)fluoranthene	15.098	252	34842	3.433	ng	# 94
92) Benzo(g,h,i)perylene	17.451	276	8294	3.556	ng	97

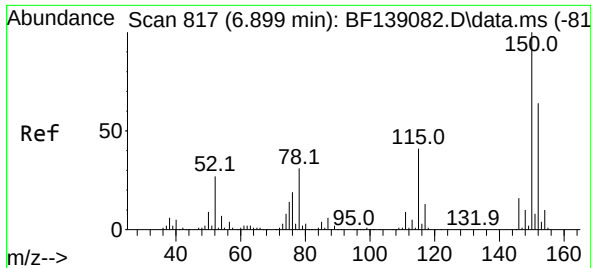
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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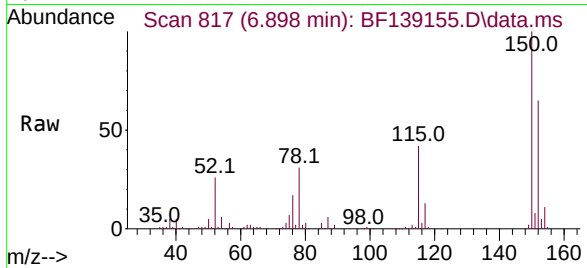
Quant Time: Aug 23 23:21:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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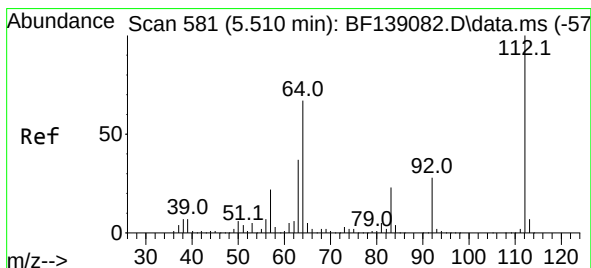
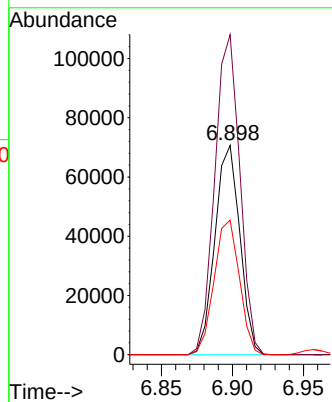
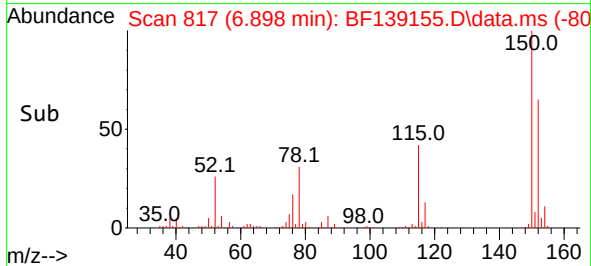


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

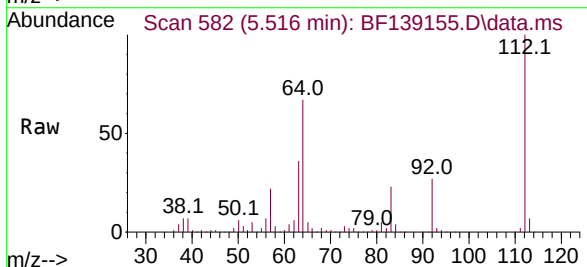
Instrument :
BNA_F
ClientSampleId :
S-913-K1-SO-0-0.5-082024



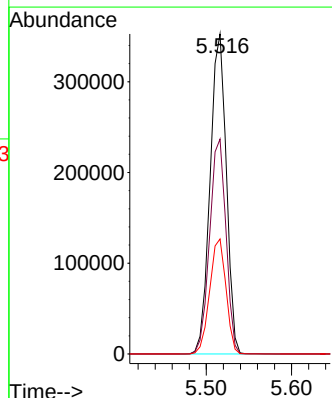
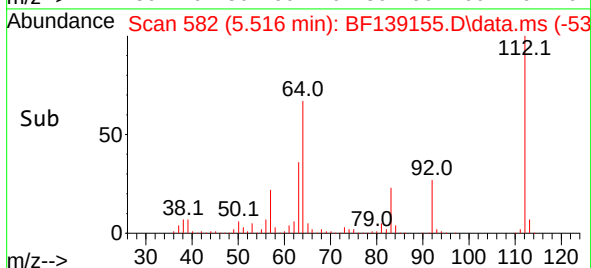
Tgt Ion:152 Resp: 86296
Ion Ratio Lower Upper
152 100
150 152.9 125.1 187.7
115 64.3 51.8 77.6

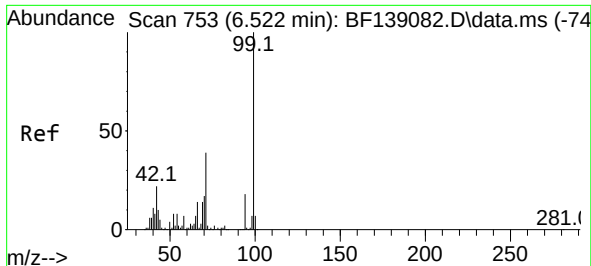


#5
2-Fluorophenol
Concen: 83.006 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15



Tgt Ion:112 Resp: 465582
Ion Ratio Lower Upper
112 100
64 67.1 53.8 80.6
63 36.0 29.4 44.2

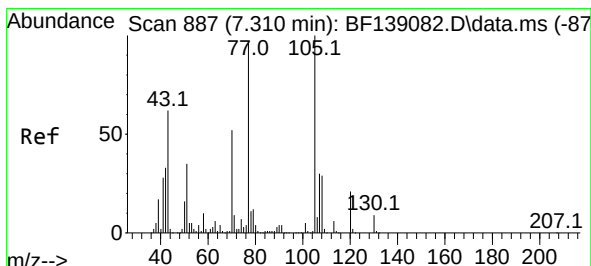
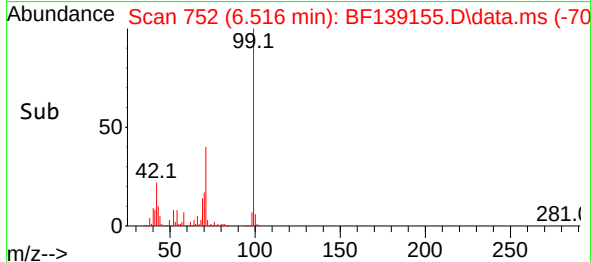
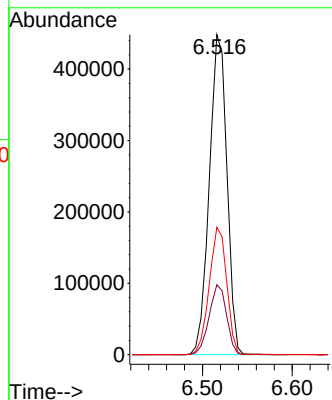
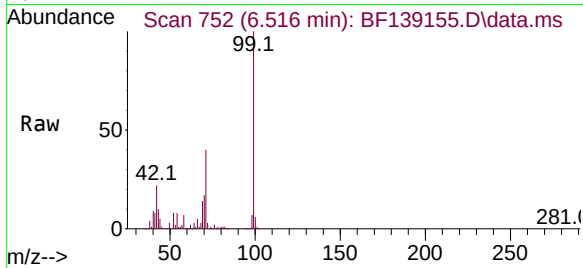




#7
Phenol-d6
Concen: 84.373 ng
RT: 6.516 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

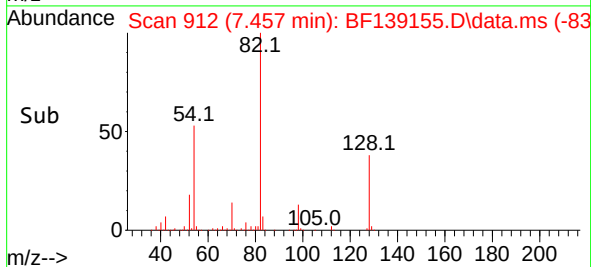
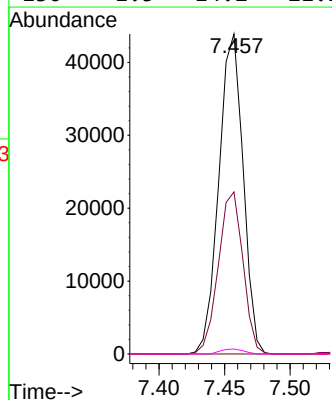
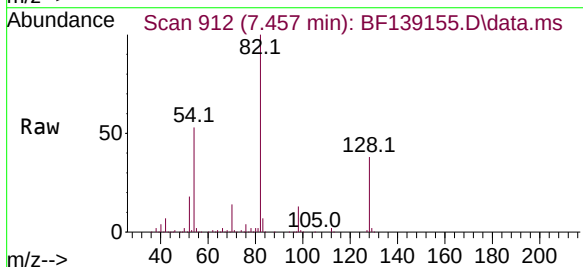
Instrument :
BNA_F
ClientSampleId :
S-913-K1-SO-0-0.5-082024

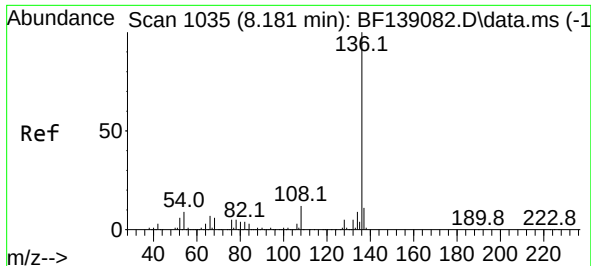
Tgt Ion: 99 Resp: 611498
Ion Ratio Lower Upper
99 100
42 21.8 17.4 26.2
71 39.8 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.860 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

Tgt Ion: 70 Resp: 56447
Ion Ratio Lower Upper
70 100
42 50.6 50.5 75.7
101 0.0 7.2 10.8#
130 1.5 14.2 21.2#



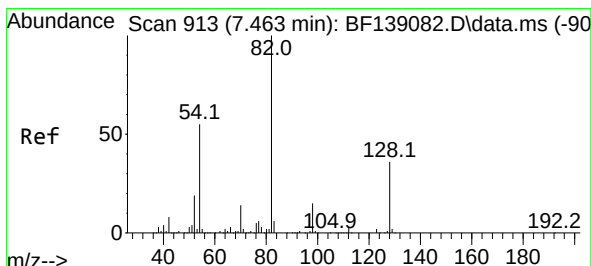
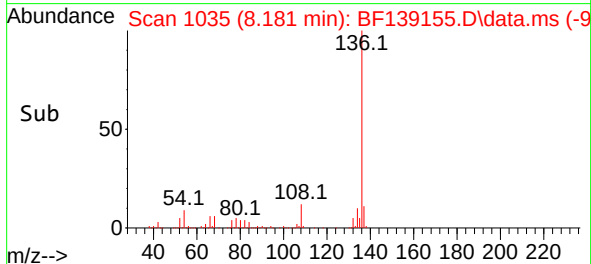
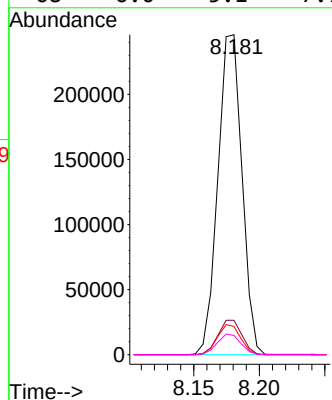
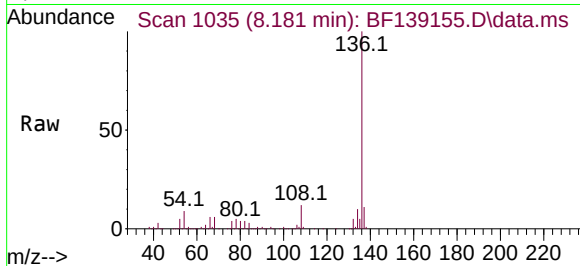


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

Instrument :
BNA_F
ClientSampleId :
S-913-K1-SO-0-0.5-082024

Tgt Ion:136 Resp: 313872

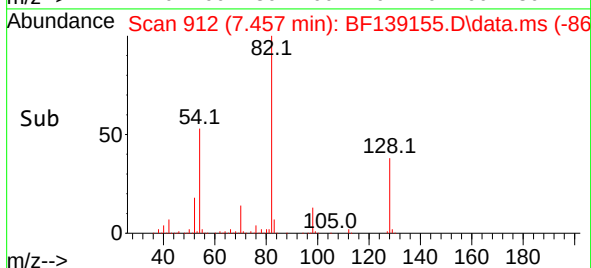
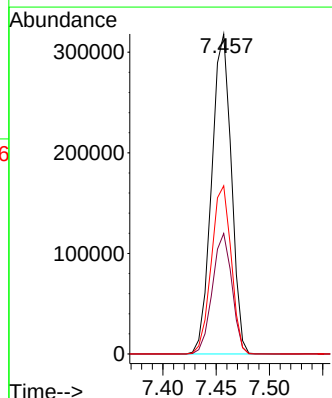
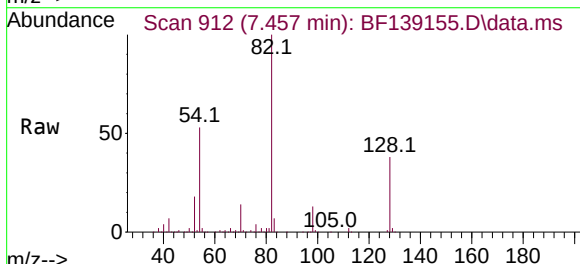
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	8.8	7.6	11.4
68	6.0	5.1	7.7

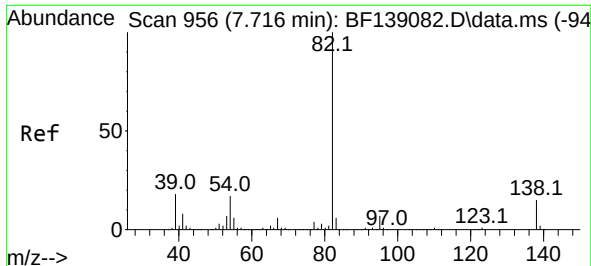


#23
Nitrobenzene-d5
Concen: 75.758 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

Tgt Ion: 82 Resp: 408073

Ion	Ratio	Lower	Upper
82	100		
128	37.6	29.0	43.4
54	52.6	43.4	65.2

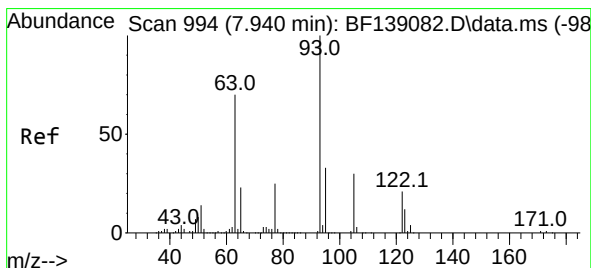
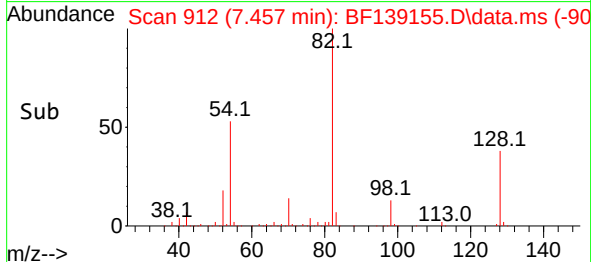
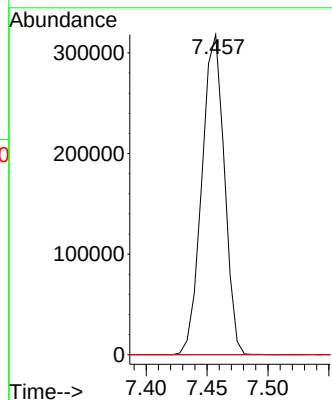
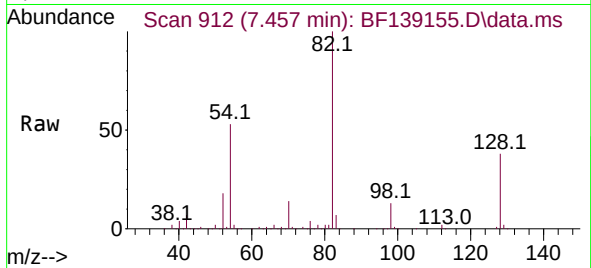




#25
Isophorone
Concen: 35.594 ng
RT: 7.457 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

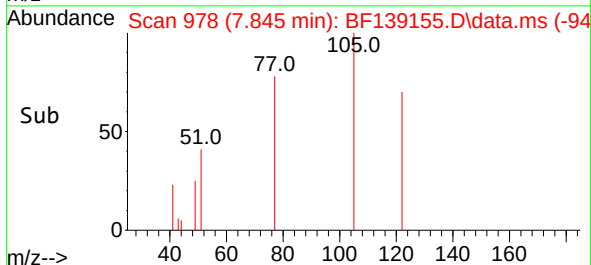
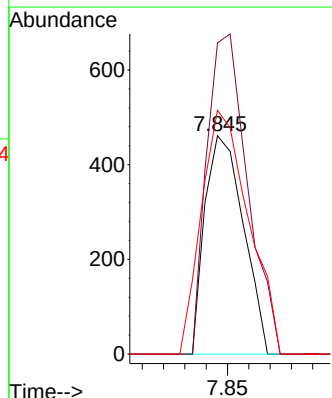
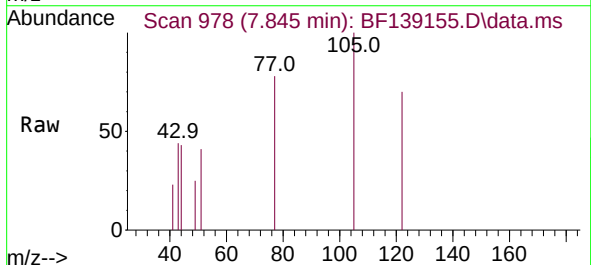
Instrument :
BNA_F
ClientSampleId :
S-913-K1-SO-0-0.5-082024

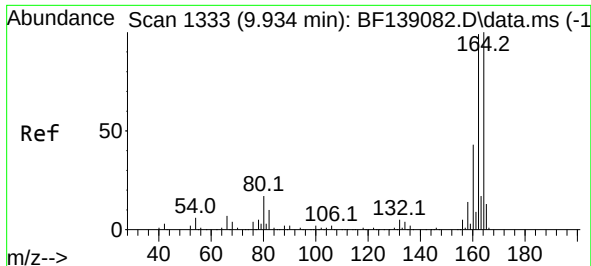
Tgt Ion: 82 Resp: 407509
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.505 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.095 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

Tgt Ion: 122 Resp: 579
Ion Ratio Lower Upper
122 100
105 142.5 119.6 159.6
77 111.7 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: BF139155.D

Acq: 23 Aug 2024 19:15

Instrument :

BNA_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024

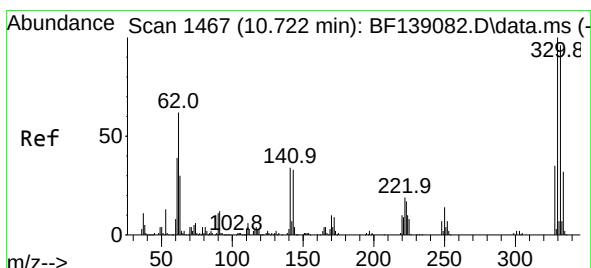
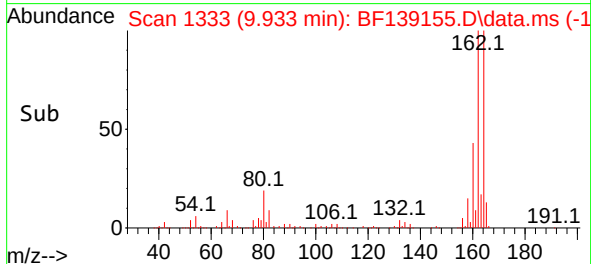
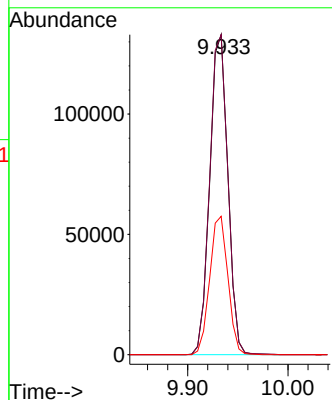
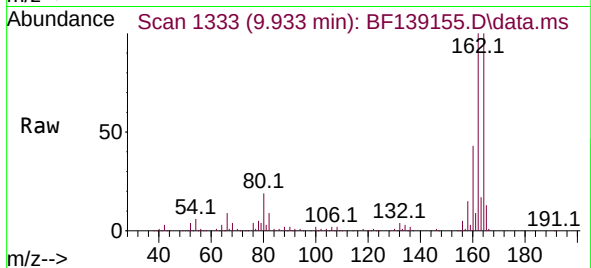
Tgt Ion:164 Resp: 166811

Ion Ratio Lower Upper

164 100

162 100.0 79.5 119.3

160 43.2 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 85.736 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

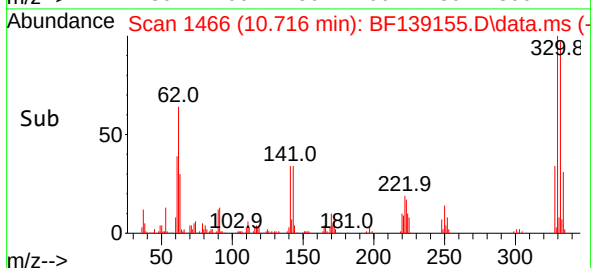
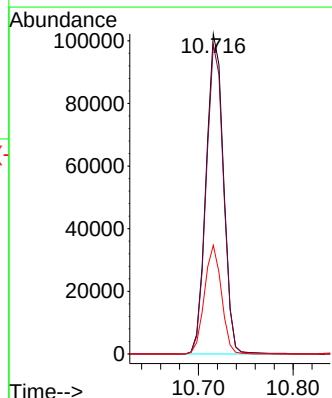
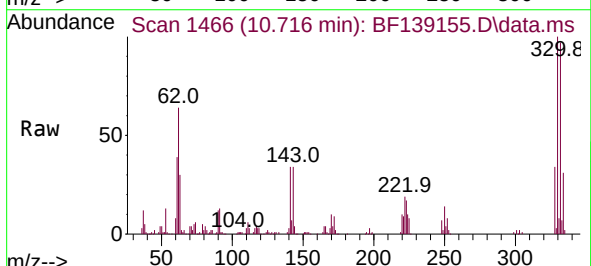
Tgt Ion:330 Resp: 129472

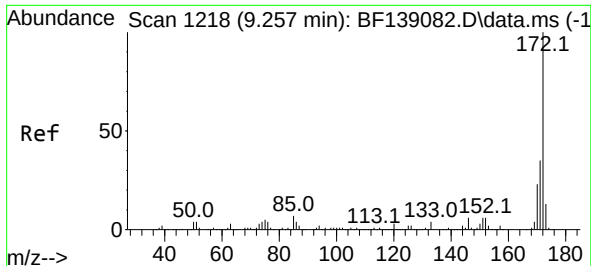
Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

141 33.1 27.5 41.3

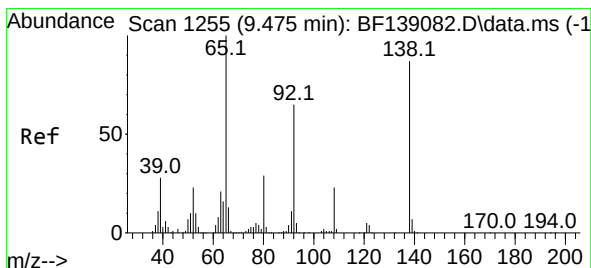
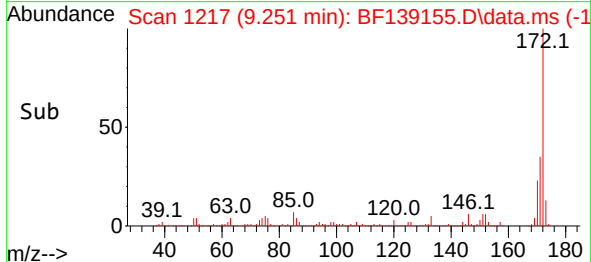
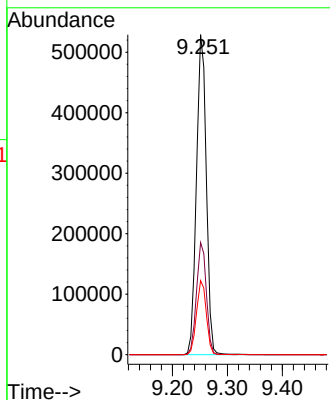
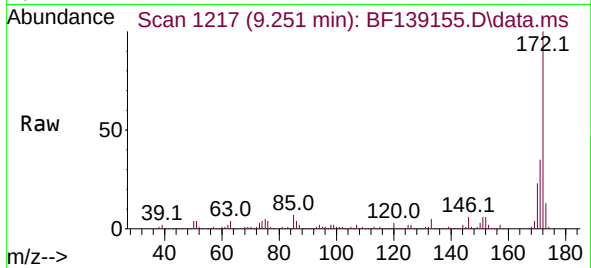




#45
2-Fluorobiphenyl
Concen: 62.846 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

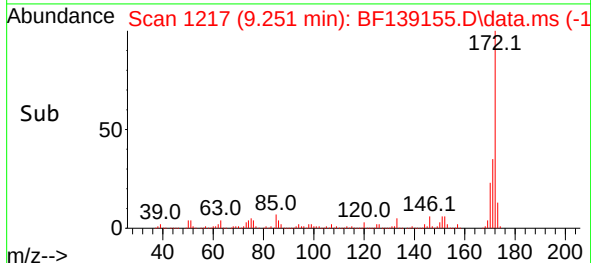
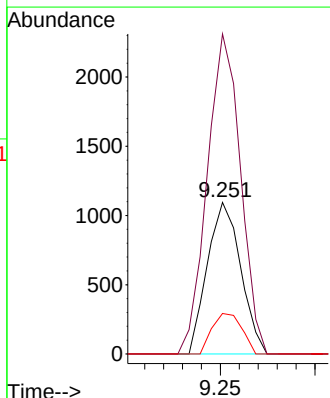
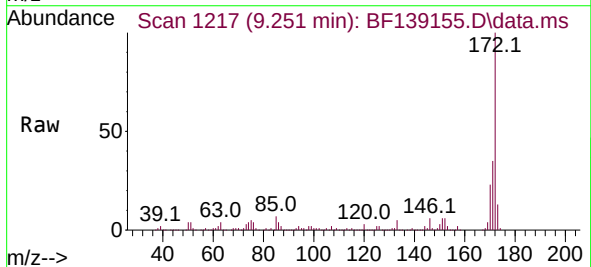
Instrument : BNA_F
ClientSampleId : S-913-K1-SO-0-0.5-082024

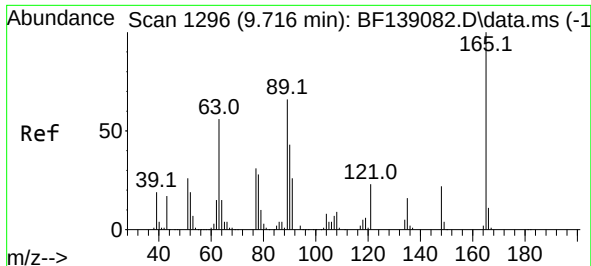
Tgt Ion:172 Resp: 660741
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.2 18.8 28.2



#48
2-Nitroaniline
Concen: 6.101 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.224 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

Tgt Ion: 65 Resp: 1340
Ion Ratio Lower Upper
65 100
92 211.1 52.4 78.6#
138 26.8 69.4 104.0#





#51

2,6-Dinitrotoluene

Concen: 14.135 ng

RT: 9.933 min Scan# 1

Delta R.T. 0.217 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

Instrument :

BNA_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024

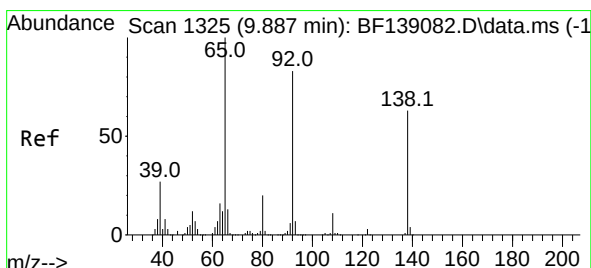
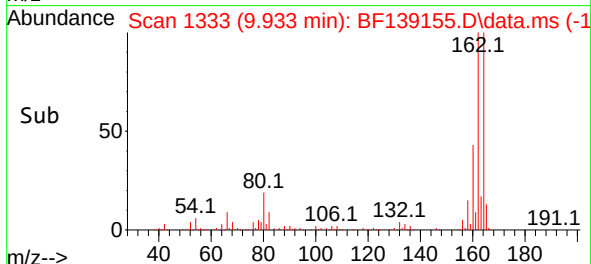
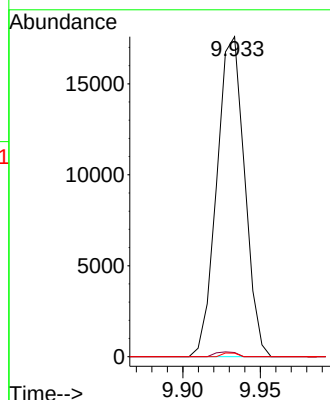
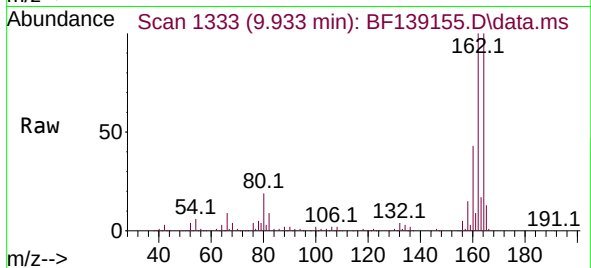
Tgt Ion:165 Resp: 21931

Ion Ratio Lower Upper

165 100

63 1.3 58.0 87.0#

89 1.1 53.3 79.9#



#53

3-Nitroaniline

Concen: 4.277 ng

RT: 10.028 min Scan# 1349

Delta R.T. 0.140 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

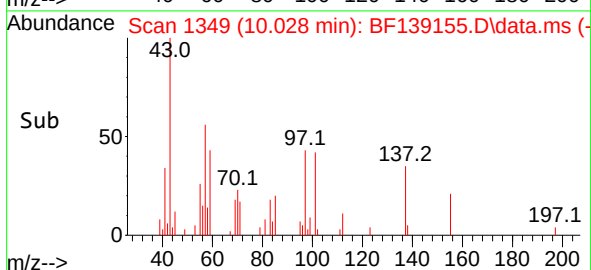
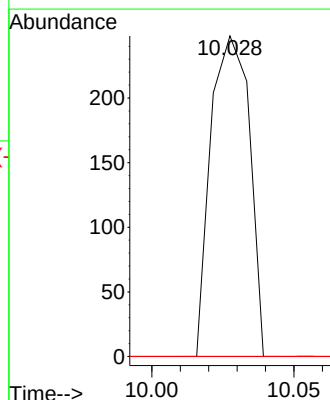
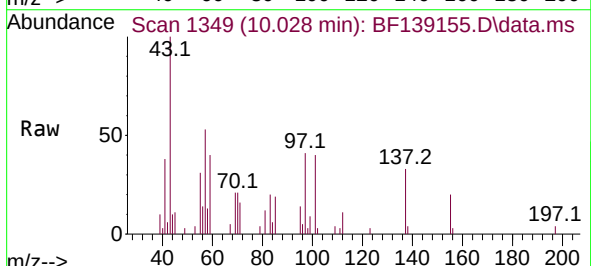
Tgt Ion:138 Resp: 235

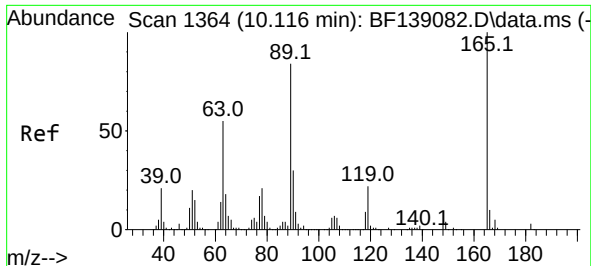
Ion Ratio Lower Upper

138 100

108 0.0 14.6 21.8#

92 0.0 105.9 158.9#

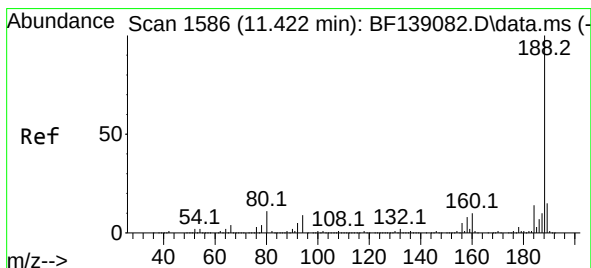
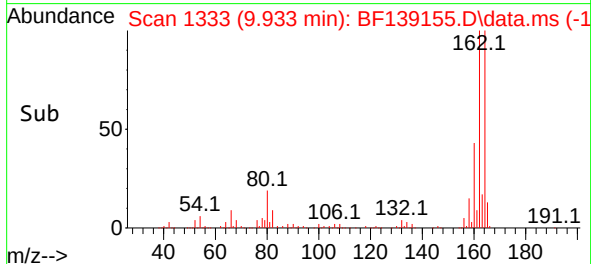
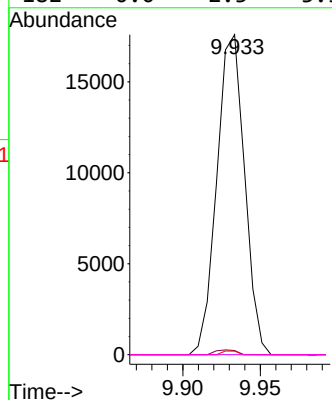
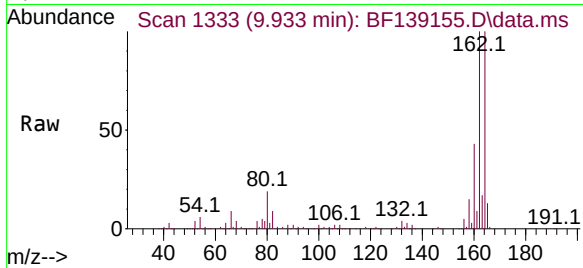




#57
2,4-Dinitrotoluene
Concen: 13.036 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

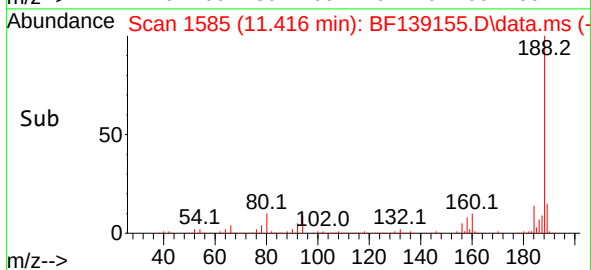
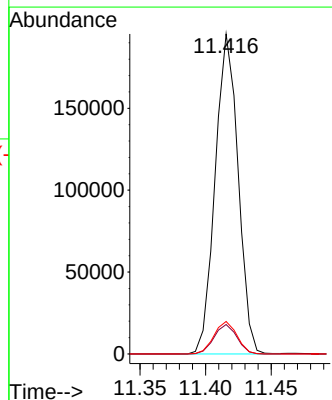
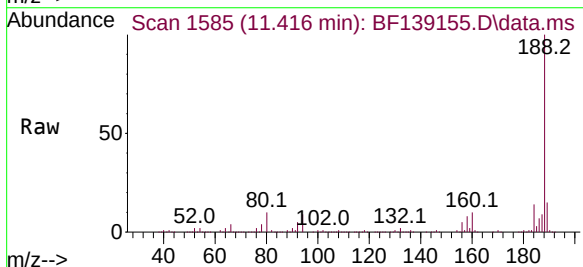
Instrument :
BNA_F
ClientSampleId :
S-913-K1-SO-0-0.5-082024

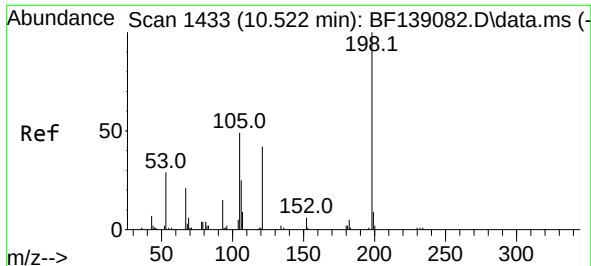
Tgt Ion:165 Resp: 21931
Ion Ratio Lower Upper
165 100
63 1.3 44.2 66.4#
89 1.1 67.4 101.2#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

Tgt Ion:188 Resp: 237415
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.2 8.5 12.7





#65

4,6-Dinitro-2-methylphenol

Concen: 6.806 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

Instrument :

BNA_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024

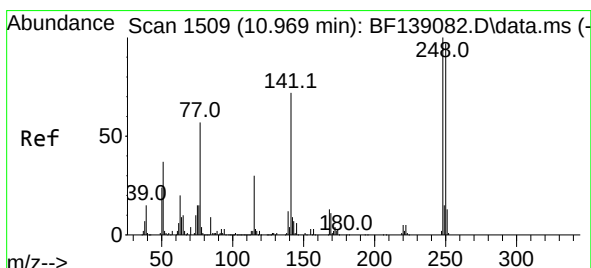
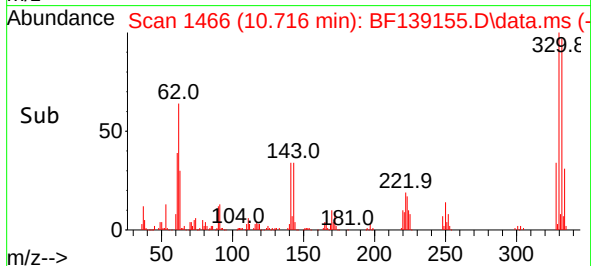
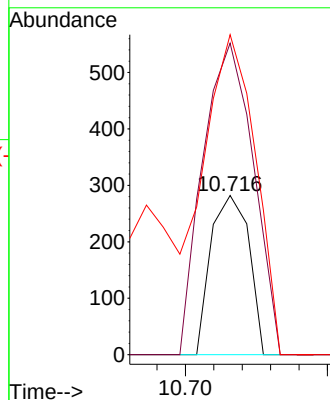
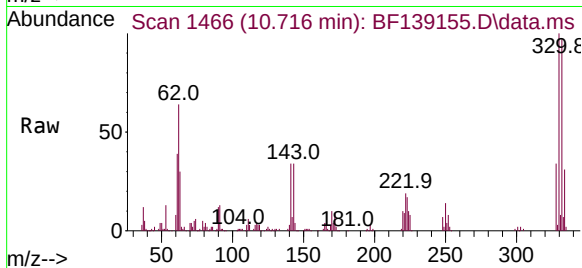
Tgt Ion:198 Resp: 263

Ion Ratio Lower Upper

198 100

51 195.7 40.8 80.8#

105 201.1 30.9 70.9#



#67

4-Bromophenyl-phenylether

Concen: 3.558 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.253 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

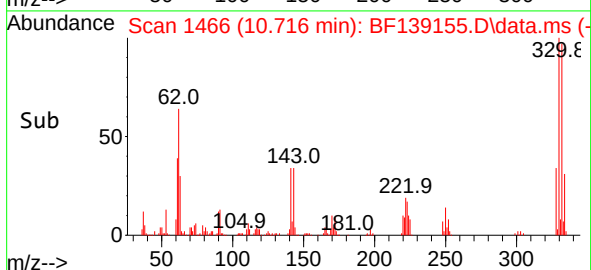
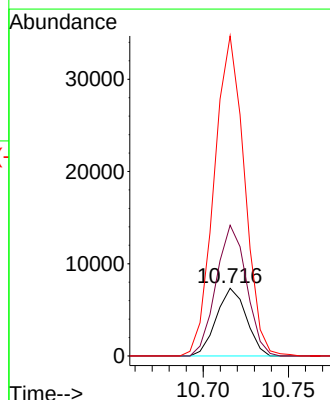
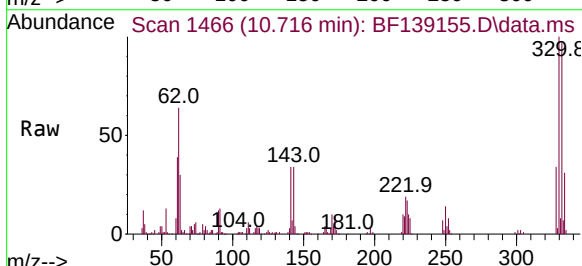
Tgt Ion:248 Resp: 8950

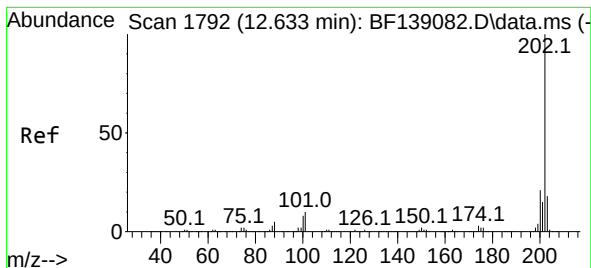
Ion Ratio Lower Upper

248 100

250 193.2 77.8 116.8#

141 472.8 57.9 86.9#





#75

Fluoranthene

Concen: 2.330 ng

RT: 12.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

Instrument :

BNA_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024

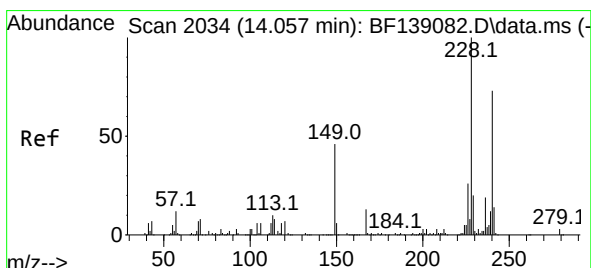
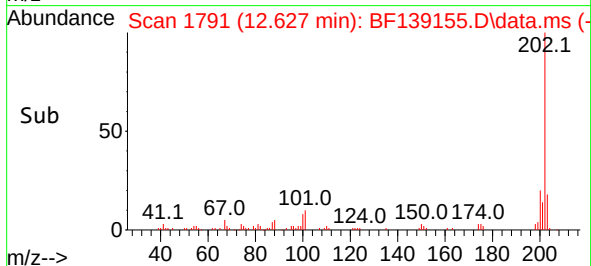
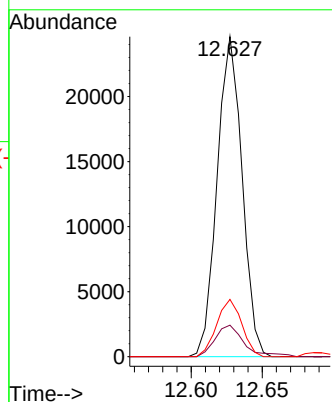
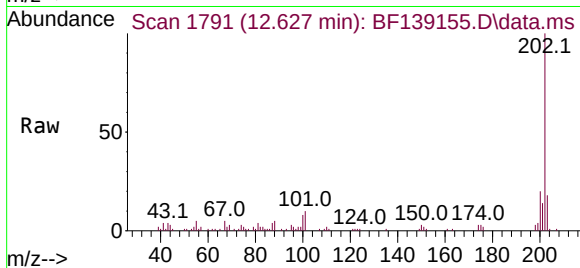
Tgt Ion:202 Resp: 30013

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

203 17.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

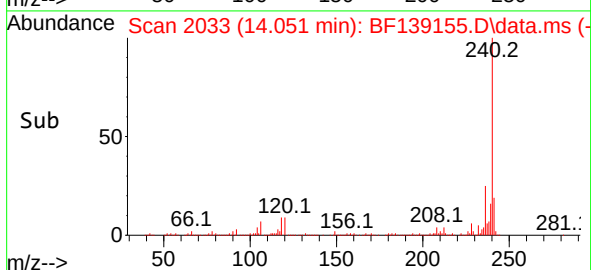
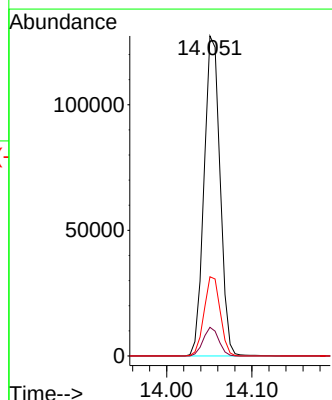
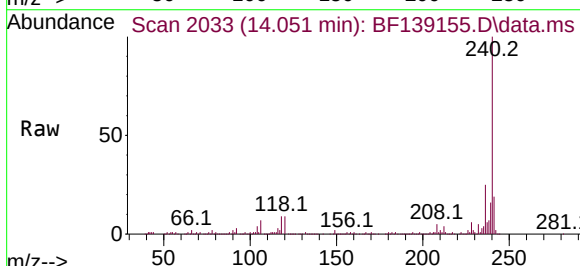
Tgt Ion:240 Resp: 166148

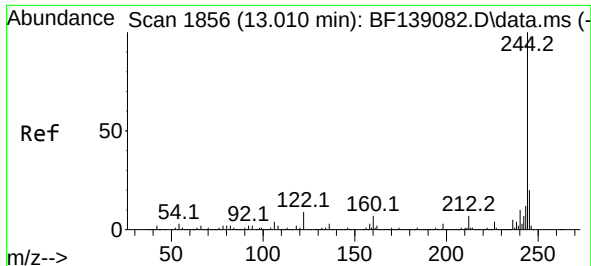
Ion Ratio Lower Upper

240 100

120 9.0 7.8 11.6

236 24.8 20.9 31.3

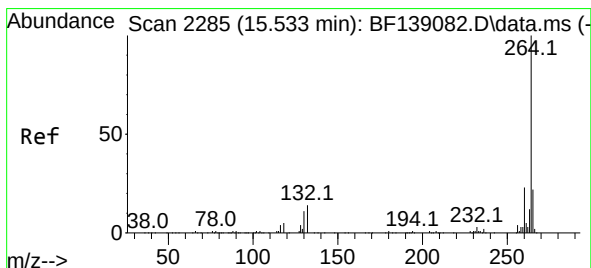
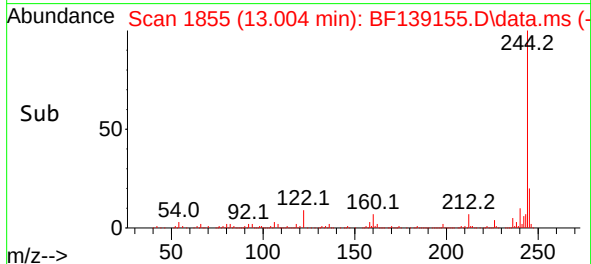
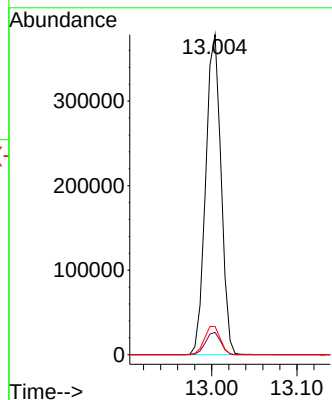
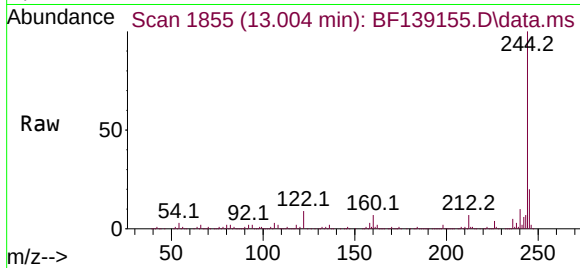




#79
Terphenyl-d14
Concen: 47.194 ng
RT: 13.004 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

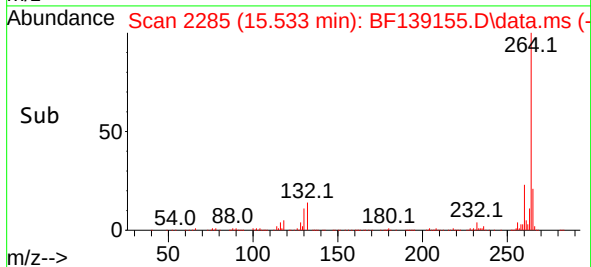
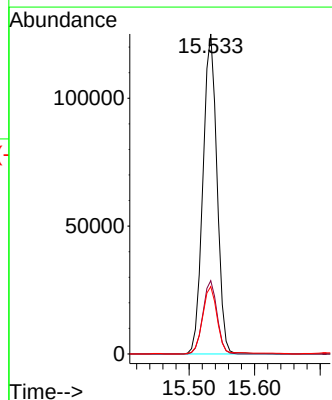
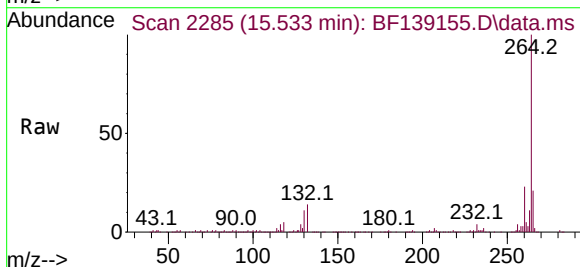
Instrument :
BNA_F
ClientSampleId :
S-913-K1-SO-0-0.5-082024

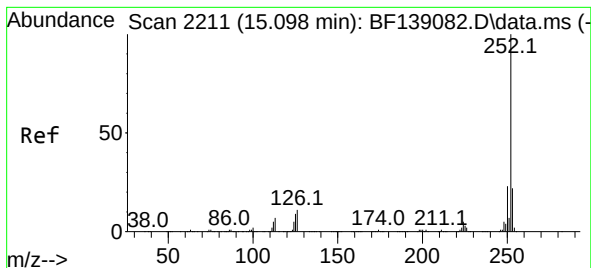
Tgt Ion:244 Resp: 472560
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 8.8 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139155.D
Acq: 23 Aug 2024 19:15

Tgt Ion:264 Resp: 186913
Ion Ratio Lower Upper
264 100
260 22.9 18.6 27.8
265 21.0 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 2.859 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

Instrument :

BNA_F

ClientSampleId :

S-913-K1-SO-0-0.5-082024

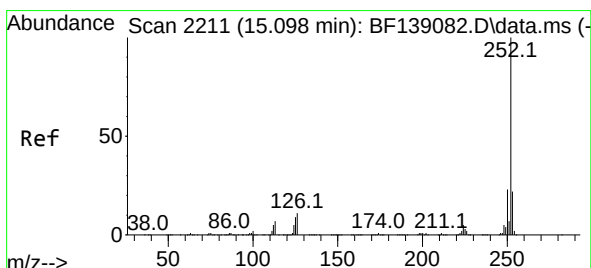
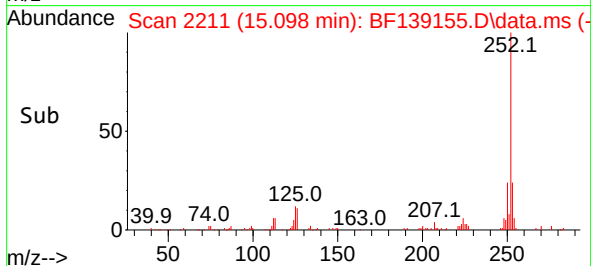
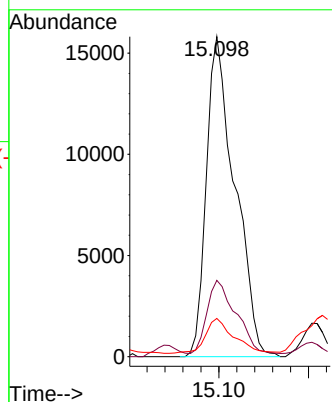
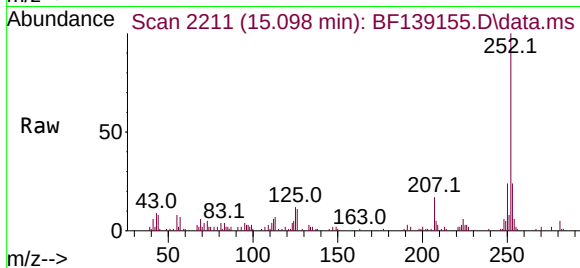
Tgt Ion:252 Resp: 34842

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 12.0 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 3.433 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.036 min

Lab File: BF139155.D

Acq: 23 Aug 2024 19:15

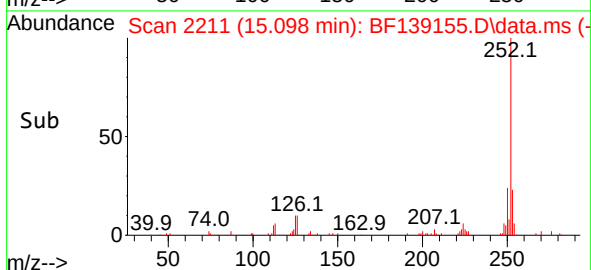
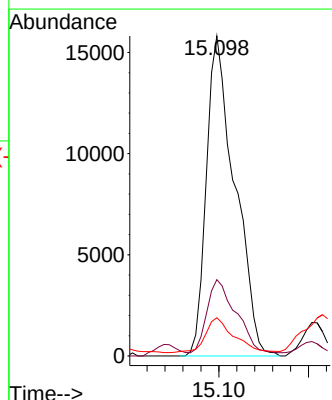
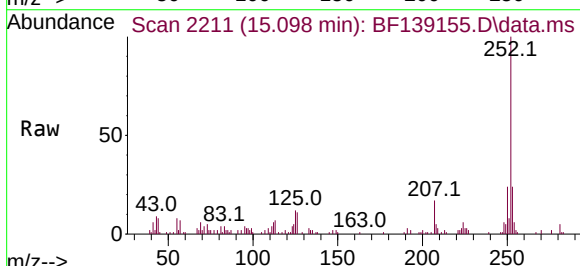
Tgt Ion:252 Resp: 34842

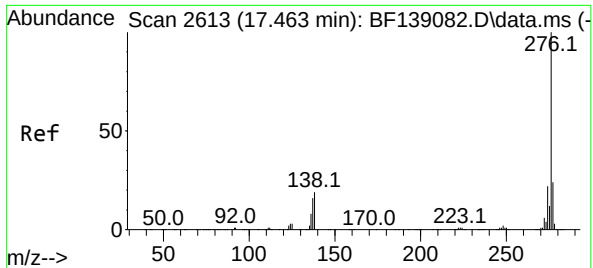
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

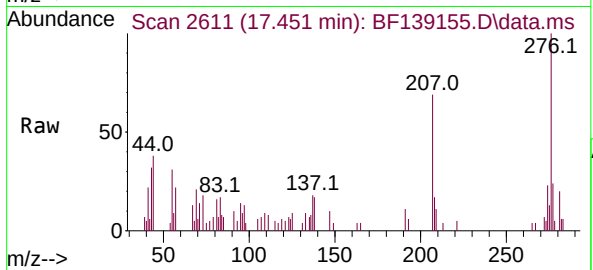
125 12.0 7.0 10.6#





#92
 Benzo(g,h,i)perylene
 Concen: 3.556 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF139155.D
 Acq: 23 Aug 2024 19:15

Instrument :
 BNA_F
 ClientSampleId :
 S-913-K1-SO-0-0.5-082024



Tgt Ion:	276	Resp:	8294
Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	17.0	15.0	22.4

