

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139135.D
 Acq On : 22 Aug 2024 21:20
 Operator : RC/JU
 Sample : P3671-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 00:37:14 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)

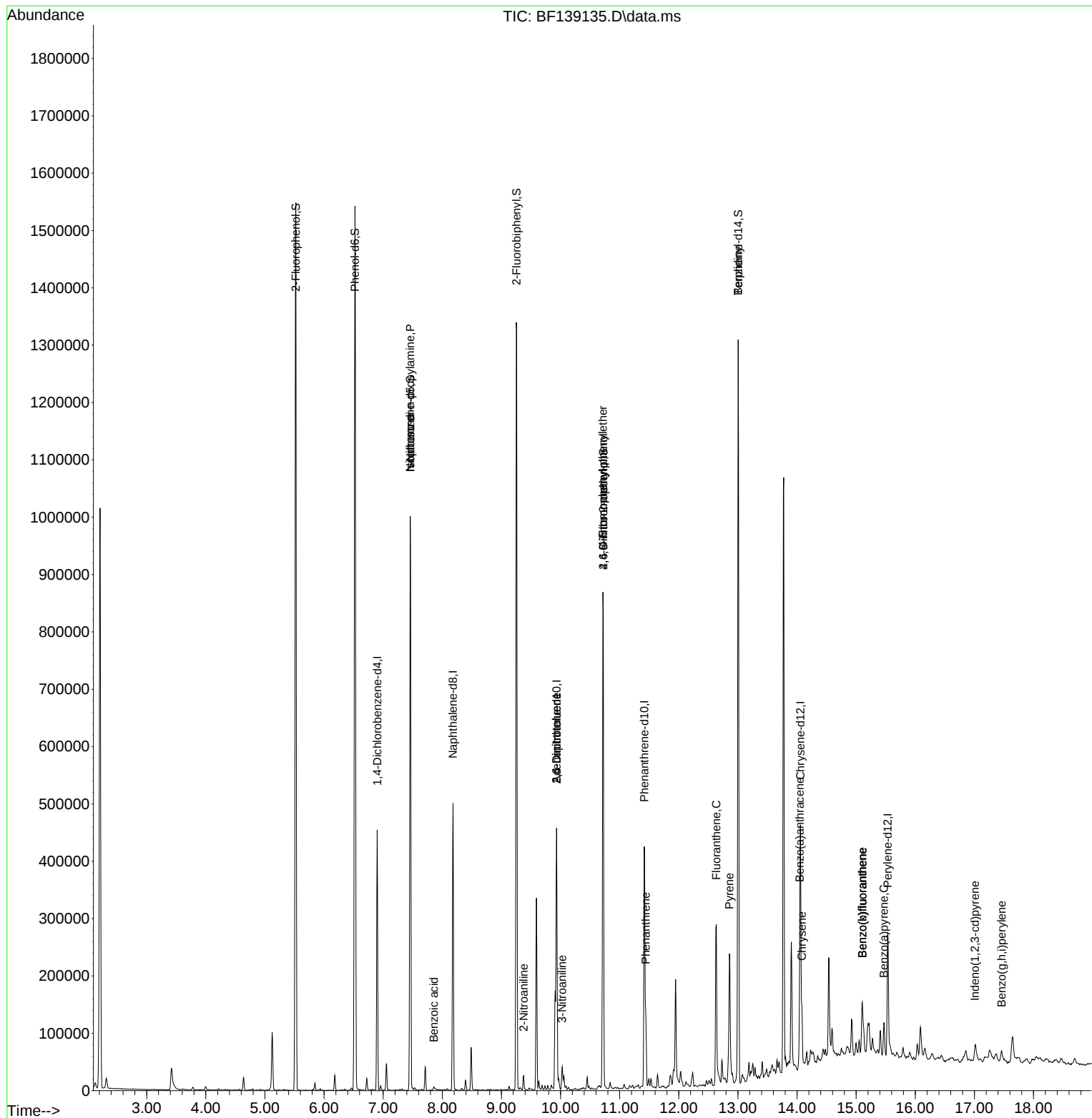
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	85247	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	279964	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	126845	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	218265	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157920	20.000	ng	0.00
86) Perylene-d12	15.533	264	125372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	540599	97.566	ng	0.01
7) Phenol-d6	6.522	99	687826	96.072	ng	0.00
23) Nitrobenzene-d5	7.457	82	437128	90.981	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	130430	113.584	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	571922	71.537	ng	0.00
79) Terphenyl-d14	13.004	244	600234	63.068	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	60514	12.871	ng	# 80
25) Isophorone	7.457	82	435953	42.690	ng	# 69
32) Benzoic acid	7.857	122	2018	8.965	ng	# 83
48) 2-Nitroaniline	9.375	65	582	5.911	ng	# 39
51) 2,6-Dinitrotoluene	9.934	165	16541	14.057	ng	# 17
53) 3-Nitroaniline	10.028	138	305	4.350	ng	# 1
57) 2,4-Dinitrotoluene	9.934	165	16541	12.975	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.722	198	317	6.908	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	9295	4.019	ng	# 1
71) Phenanthrene	11.439	178	64466	5.811	ng	99
75) Fluoranthene	12.633	202	154930	13.084	ng	99
77) Benzidine	13.004	184	8848	2.712	ng	# 94
78) Pyrene	12.857	202	121881	9.248	ng	98
81) Benzo(a)anthracene	14.045	228	51485	4.960	ng	96
83) Chrysene	14.080	228	51238	5.445	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	21252	2.896	ng	97
88) Benzo(b)fluoranthene	15.104	252	74833	9.156	ng	98
89) Benzo(k)fluoranthene	15.104	252	74833	10.993	ng	98
90) Benzo(a)pyrene	15.468	252	33236	5.146	ng	96
92) Benzo(g,h,i)perylene	17.462	276	20818	5.644	ng	97

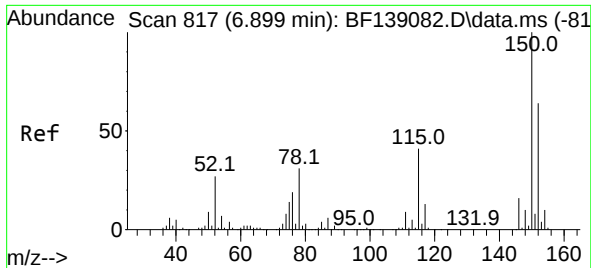
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
Data File : BF139135.D
Acq On : 22 Aug 2024 21:20
Operator : RC/JU
Sample : P3671-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 00:37:14 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

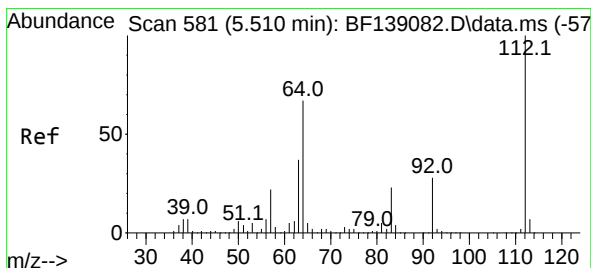
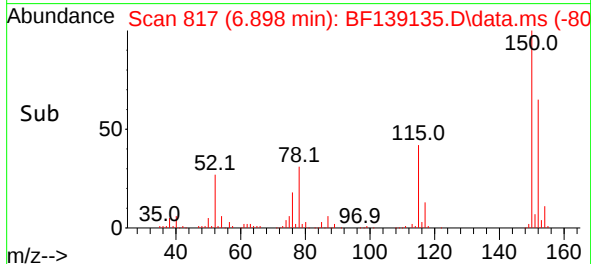
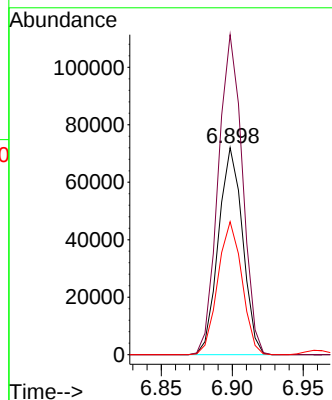
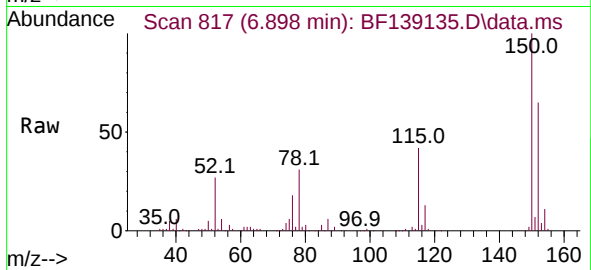




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

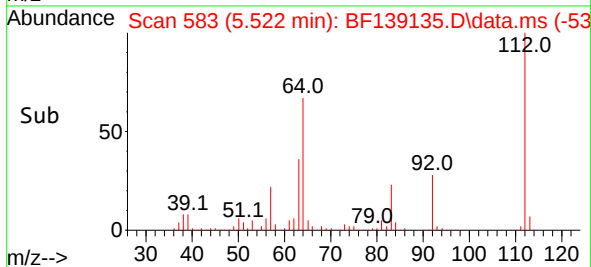
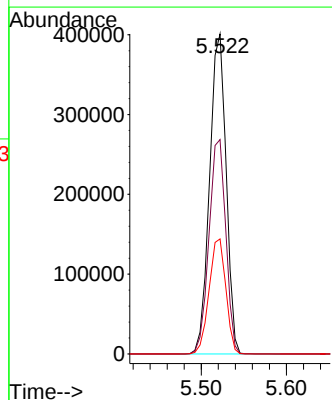
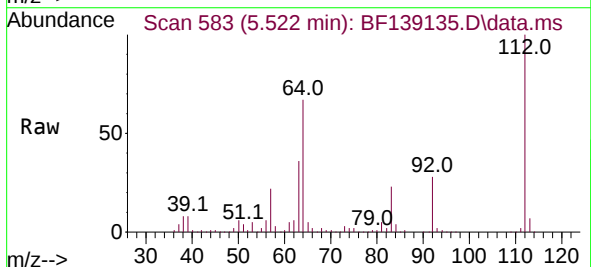
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

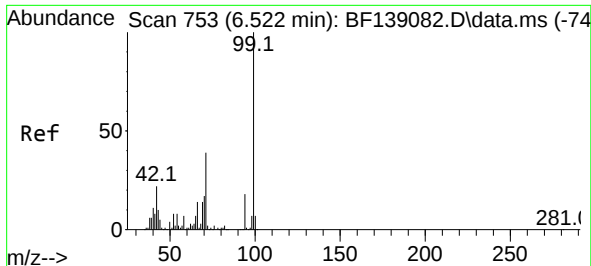
Tgt Ion:152 Resp: 85247
Ion Ratio Lower Upper
152 100
150 154.6 125.1 187.7
115 64.2 51.8 77.6



#5
2-Fluorophenol
Concen: 97.566 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.012 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

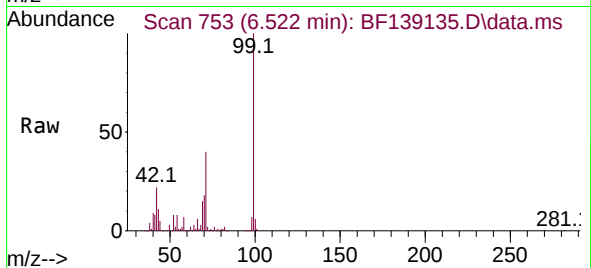
Tgt Ion:112 Resp: 540599
Ion Ratio Lower Upper
112 100
64 67.0 53.8 80.6
63 35.9 29.4 44.2



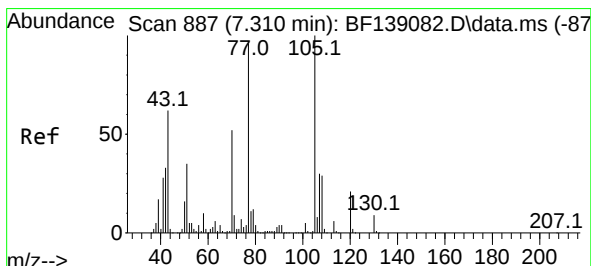
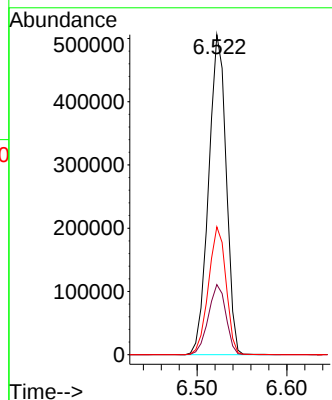
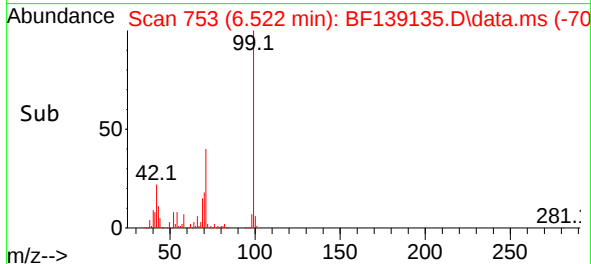


#7
Phenol-d6
Concen: 96.072 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

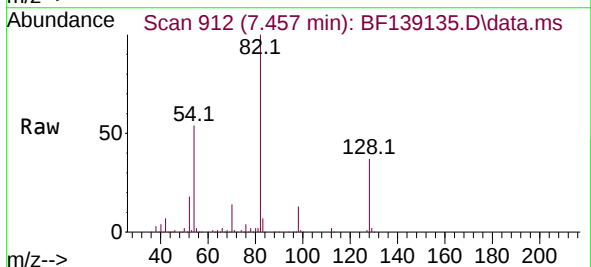
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924



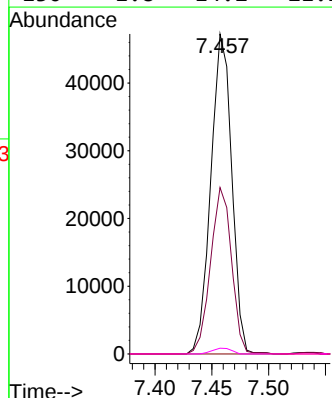
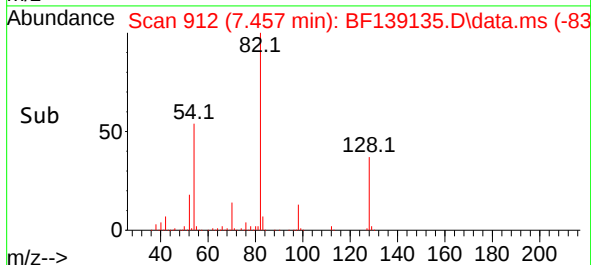
Tgt Ion: 99 Resp: 687826
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.0 31.2 46.8

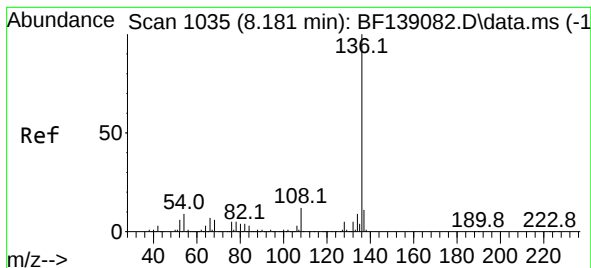


#19
n-Nitroso-di-n-propylamine
Concen: 12.871 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20



Tgt Ion: 70 Resp: 60514
Ion Ratio Lower Upper
70 100
42 52.0 50.5 75.7
101 0.0 7.2 10.8#
130 1.8 14.2 21.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

Tgt Ion:136 Resp: 279964

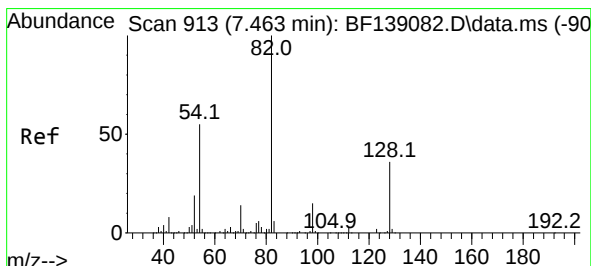
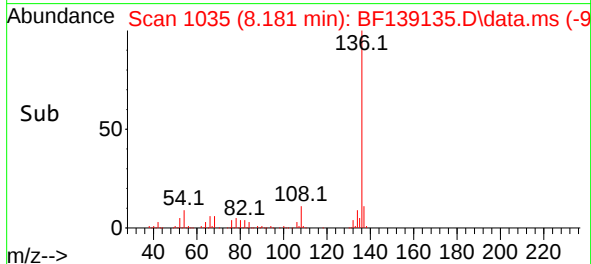
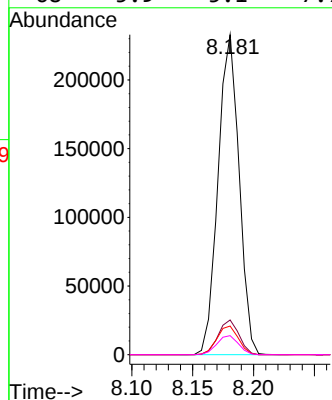
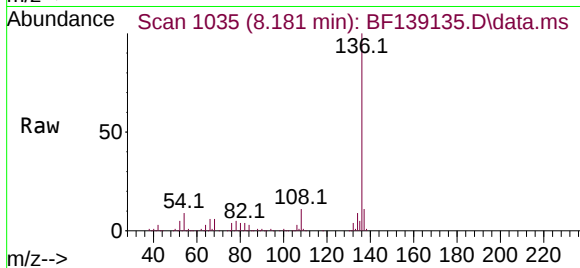
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.0 7.6 11.4

68 5.9 5.1 7.7



#23

Nitrobenzene-d5

Concen: 90.981 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

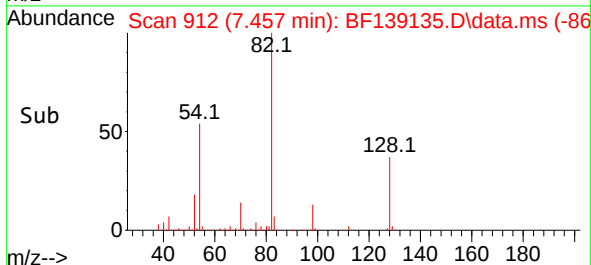
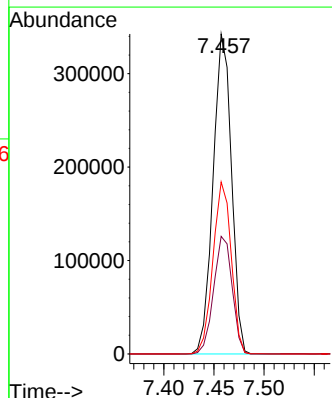
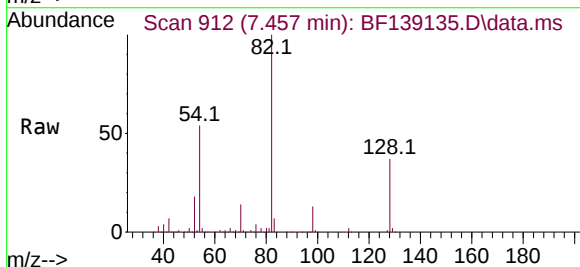
Tgt Ion: 82 Resp: 437128

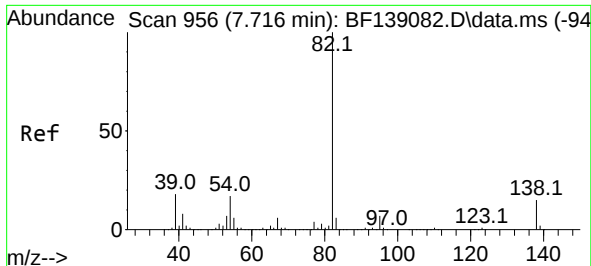
Ion Ratio Lower Upper

82 100

128 36.7 29.0 43.4

54 53.8 43.4 65.2

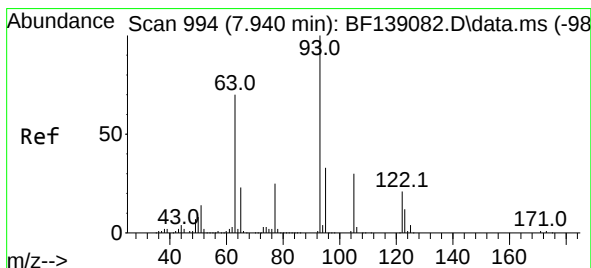
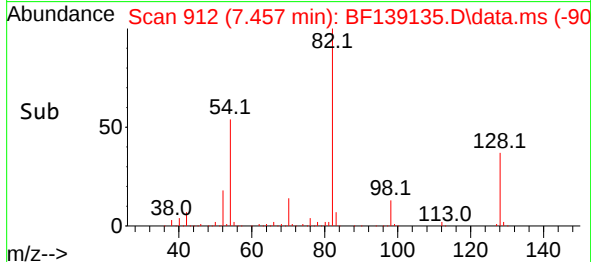
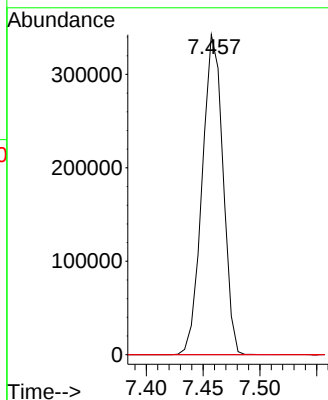
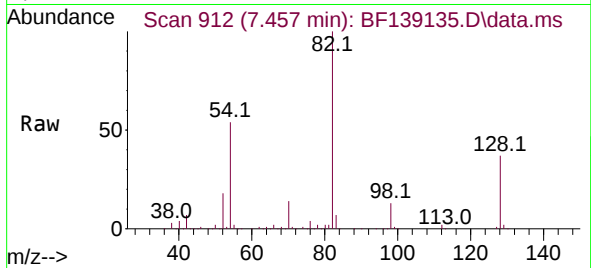




#25
Isophorone
Concen: 42.690 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

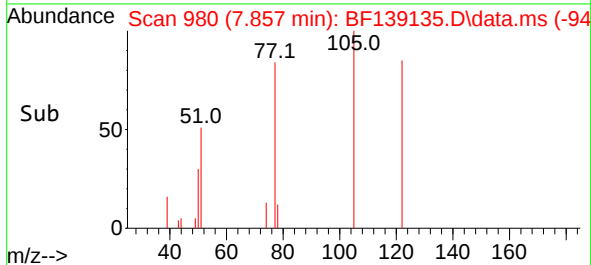
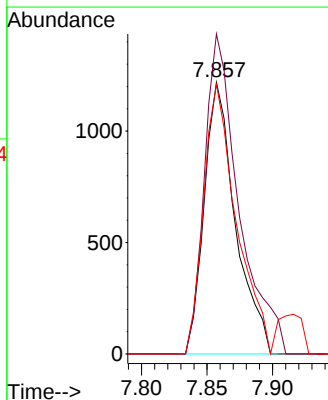
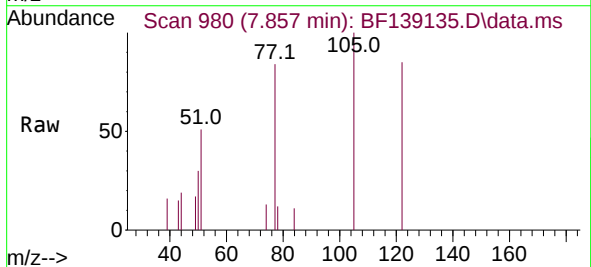
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

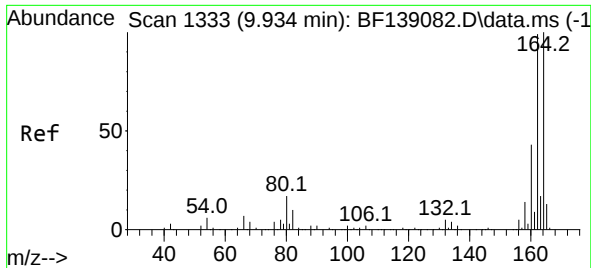
Tgt Ion: 82 Resp: 435953
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.965 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.083 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:122 Resp: 2018
Ion Ratio Lower Upper
122 100
105 117.8 119.6 159.6#
77 99.3 97.6 137.6

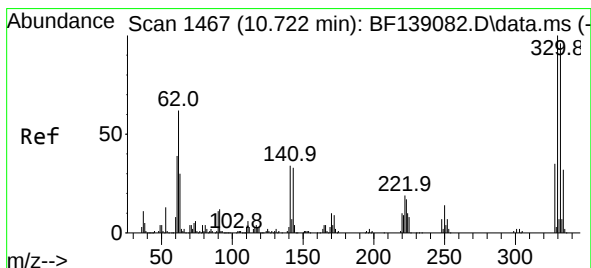
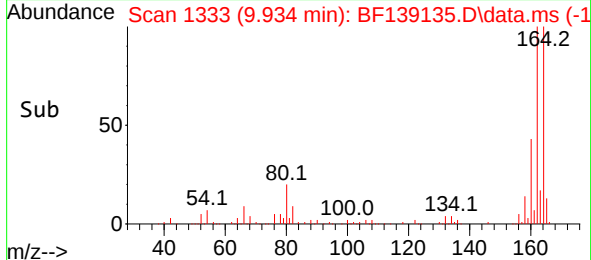
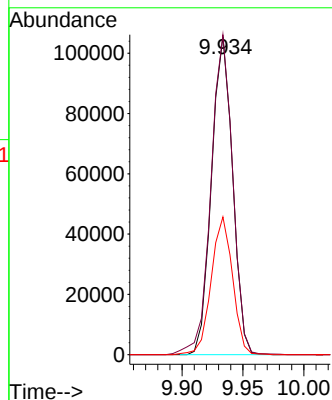
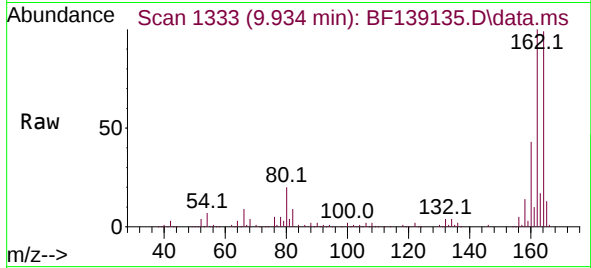




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

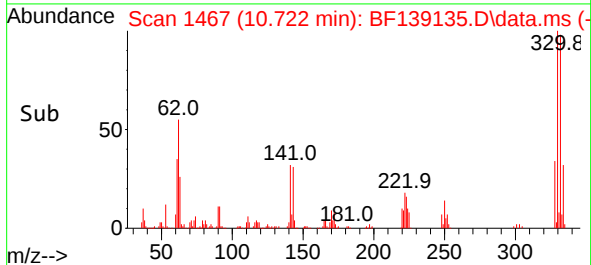
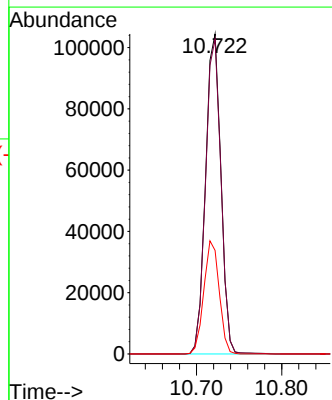
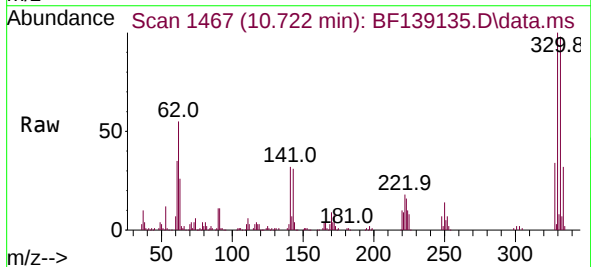
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

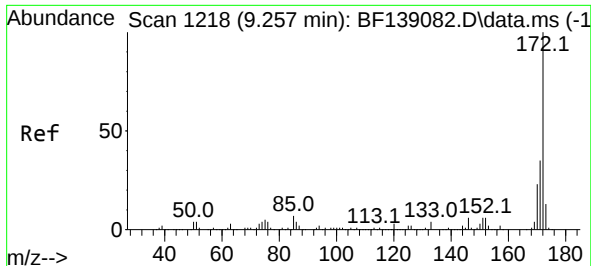
Tgt Ion:164 Resp: 126845
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 43.3 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 113.584 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:330 Resp: 130430
Ion Ratio Lower Upper
330 100
332 98.5 77.0 115.6
141 35.4 27.5 41.3

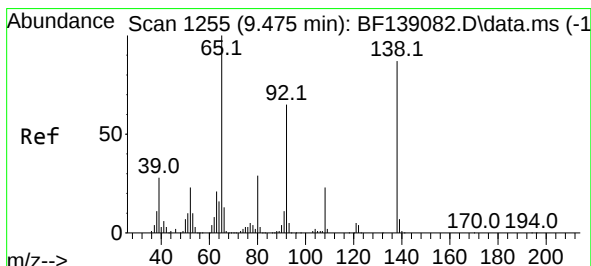
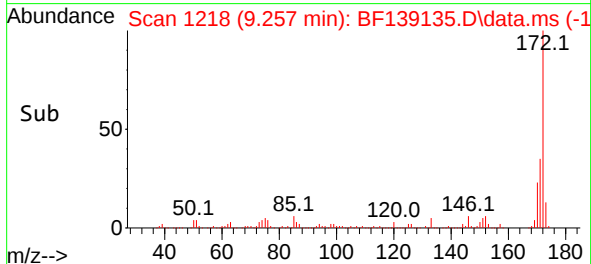
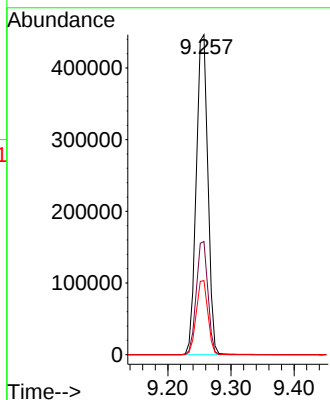
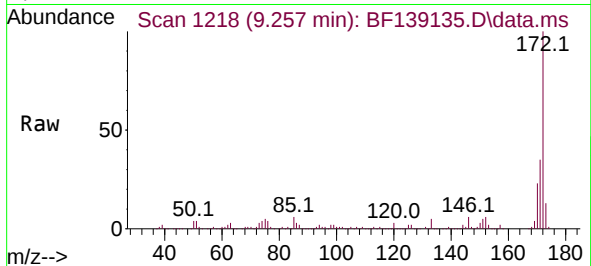




#45
2-Fluorobiphenyl
Concen: 71.537 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

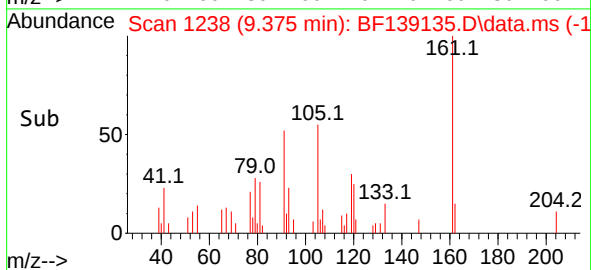
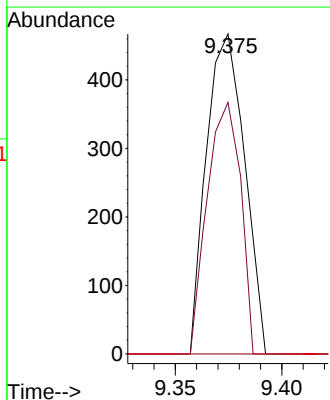
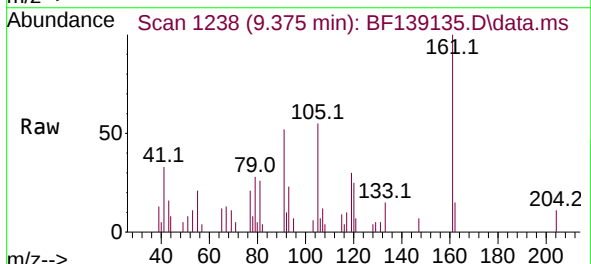
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

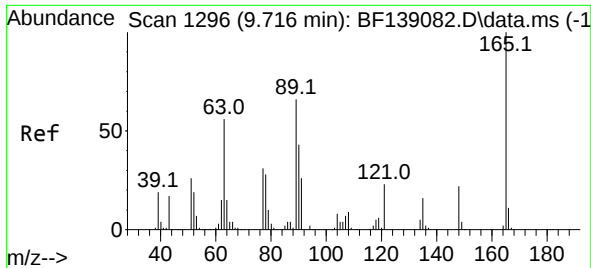
Tgt Ion:172 Resp: 571922
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.1 18.8 28.2



#48
2-Nitroaniline
Concen: 5.911 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.100 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion: 65 Resp: 582
Ion Ratio Lower Upper
65 100
92 78.6 52.4 78.6
138 0.0 69.4 104.0#

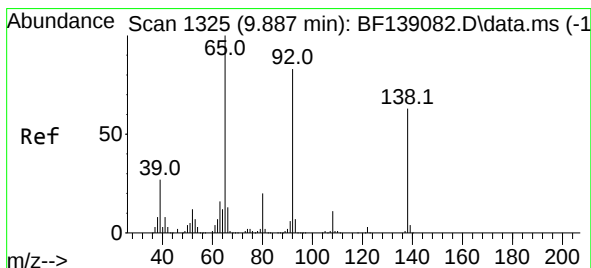
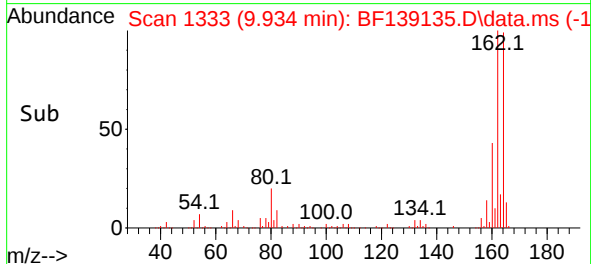
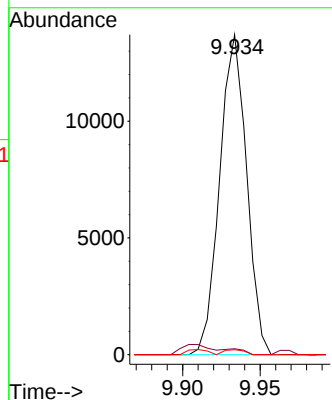
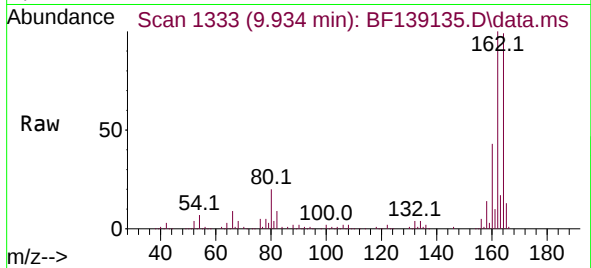




#51
2,6-Dinitrotoluene
Concen: 14.057 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

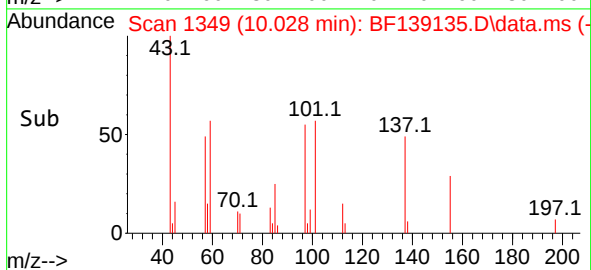
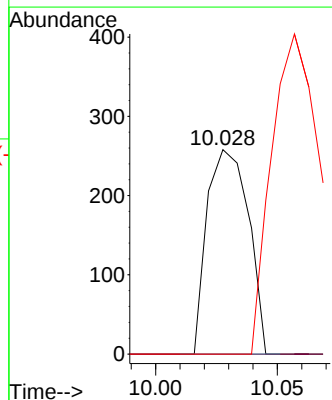
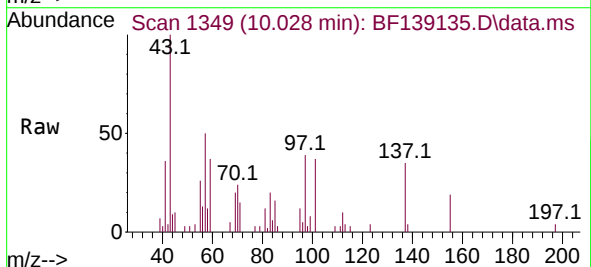
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

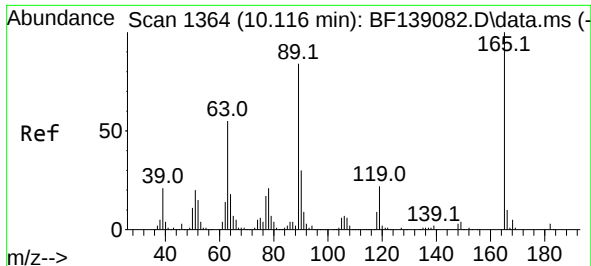
Tgt Ion:165 Resp: 16541
Ion Ratio Lower Upper
165 100
63 1.8 58.0 87.0#
89 1.6 53.3 79.9#



#53
3-Nitroaniline
Concen: 4.350 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.141 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:138 Resp: 305
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#

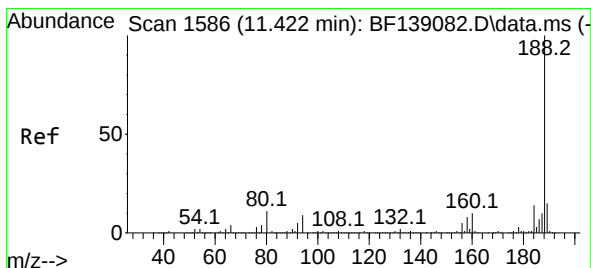
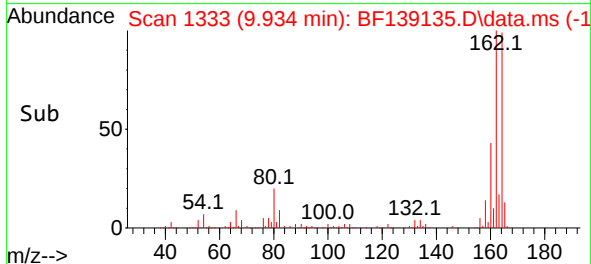
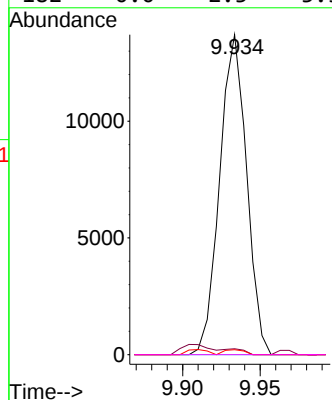
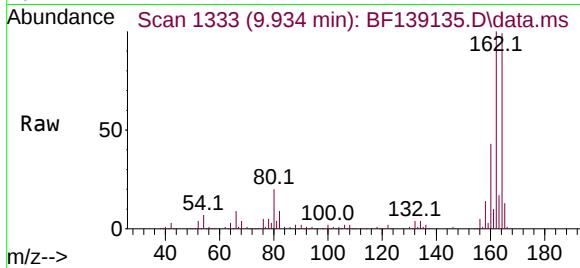




#57
2,4-Dinitrotoluene
Concen: 12.975 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

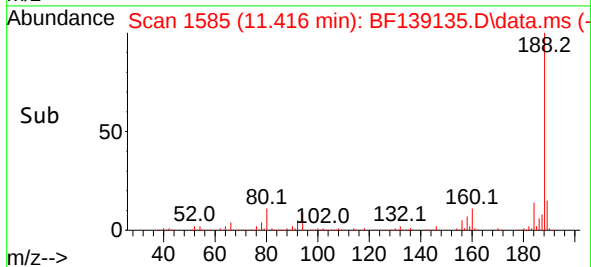
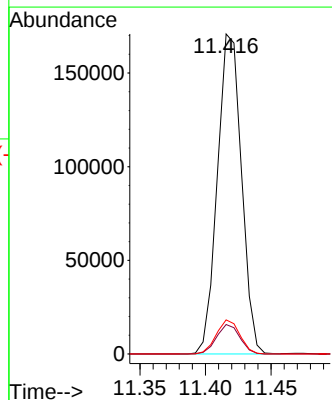
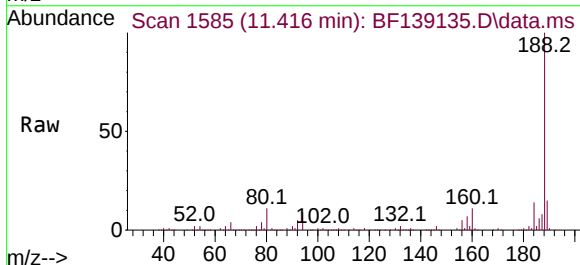
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

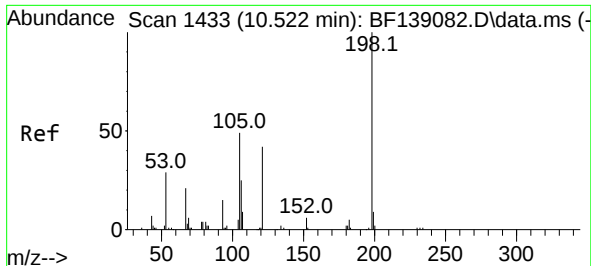
Tgt Ion:165 Resp: 16541
Ion Ratio Lower Upper
165 100
63 1.8 44.2 66.4#
89 1.6 67.4 101.2#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:188 Resp: 218265
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.7 8.5 12.7





#65

4,6-Dinitro-2-methylphenol

Concen: 6.908 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.200 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

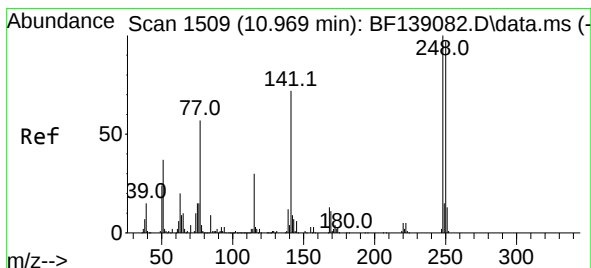
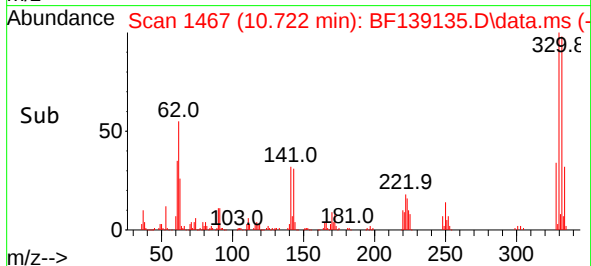
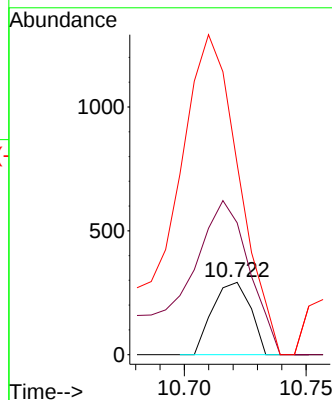
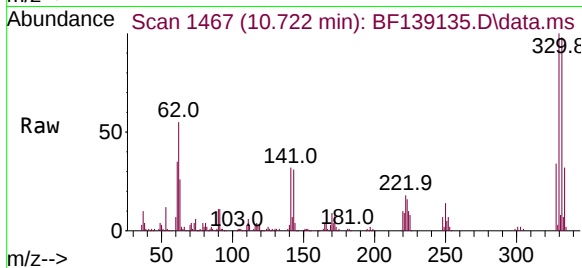
Tgt Ion:198 Resp: 317

Ion Ratio Lower Upper

198 100

51 182.2 40.8 80.8#

105 263.4 30.9 70.9#



#67

4-Bromophenyl-phenylether

Concen: 4.019 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.253 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

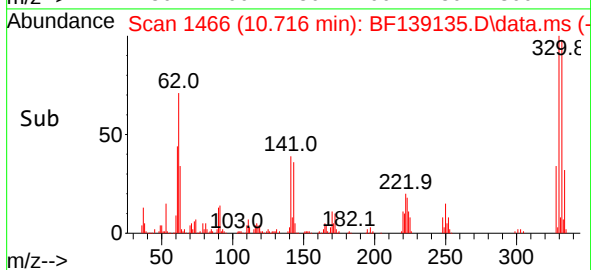
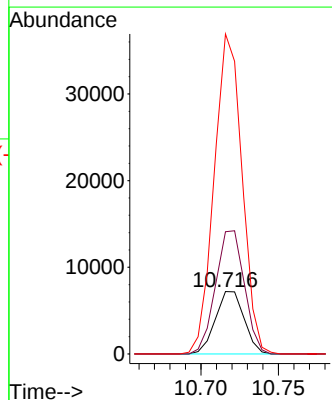
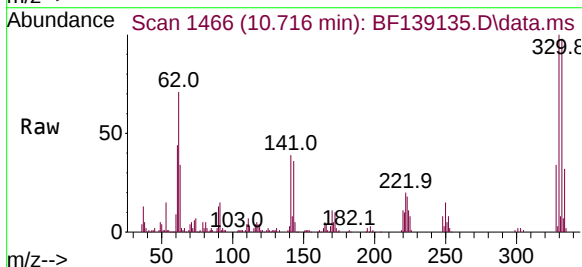
Tgt Ion:248 Resp: 9295

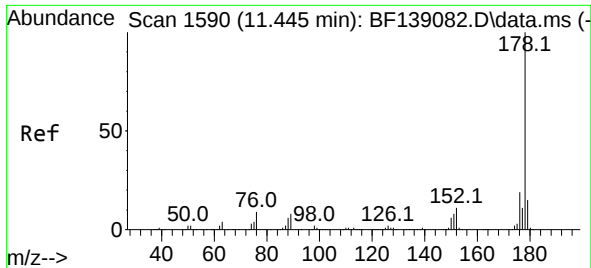
Ion Ratio Lower Upper

248 100

250 196.1 77.8 116.8#

141 513.3 57.9 86.9#

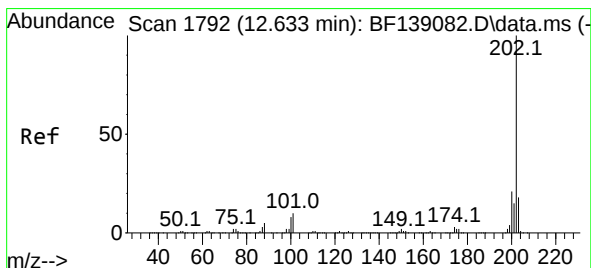
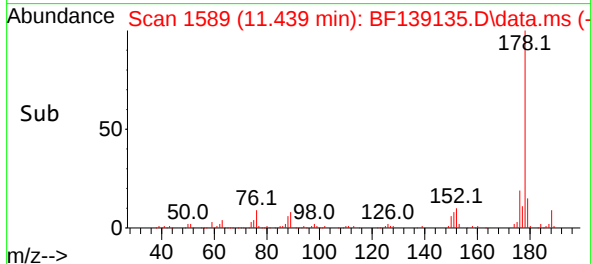
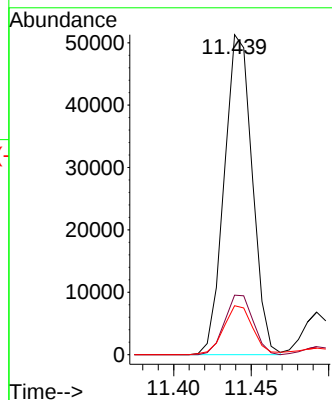
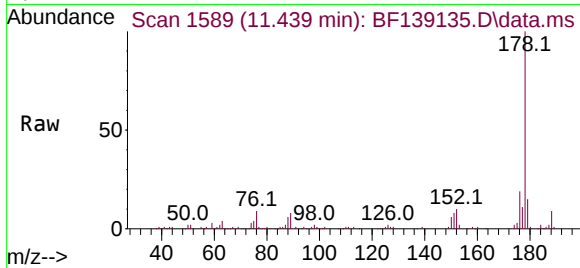




#71
Phenanthrene
Concen: 5.811 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

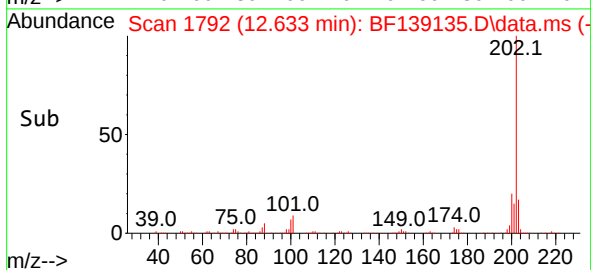
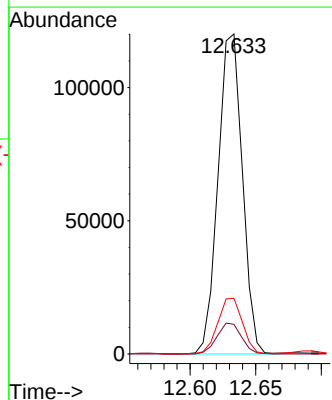
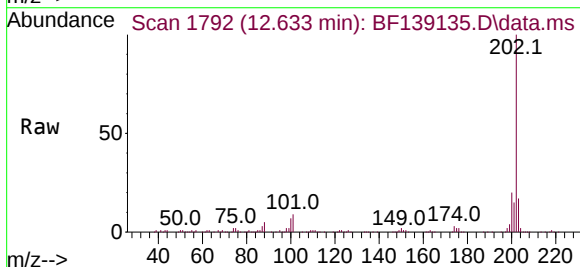
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

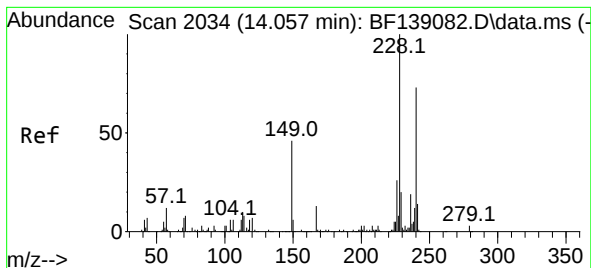
Tgt Ion:178	Resp:	64466
Ion Ratio	Lower	Upper
178	100	
176	18.6	15.4 23.2
179	15.3	12.3 18.5



#75
Fluoranthene
Concen: 13.084 ng
RT: 12.633 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:202	Resp:	154930
Ion Ratio	Lower	Upper
202	100	
101	9.2	0.0 30.2
203	17.4	0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

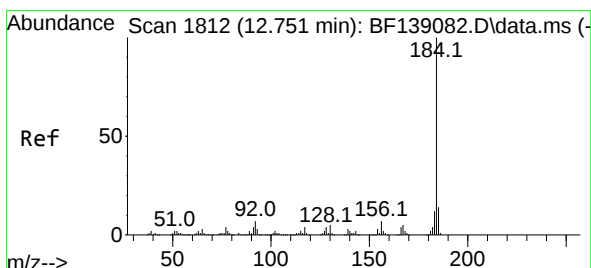
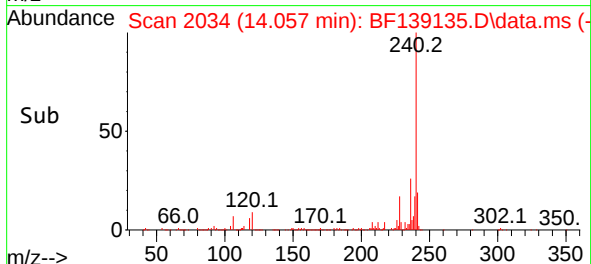
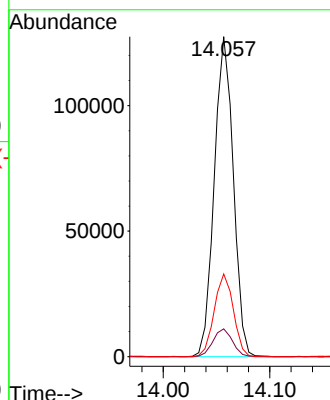
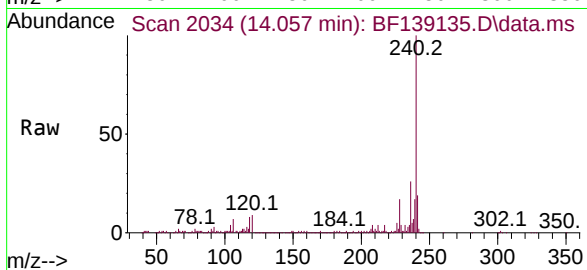
Tgt Ion:240 Resp: 157920

Ion Ratio Lower Upper

240 100

120 8.7 7.8 11.6

236 25.9 20.9 31.3



#77

Benzidine

Concen: 2.712 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.253 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

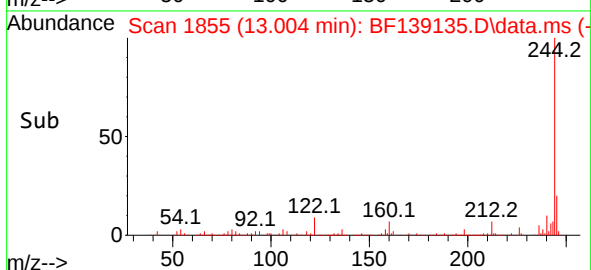
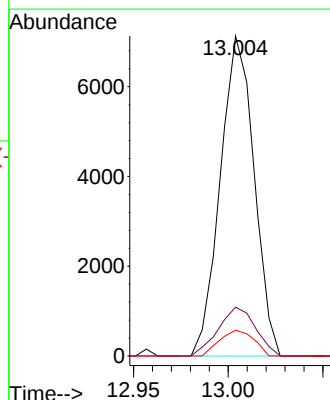
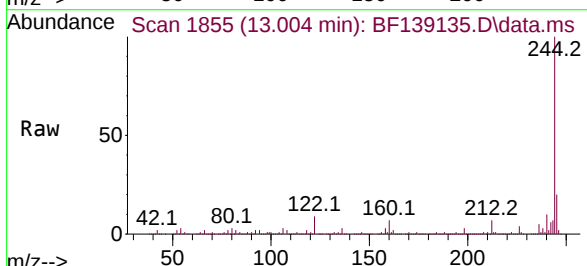
Tgt Ion:184 Resp: 8848

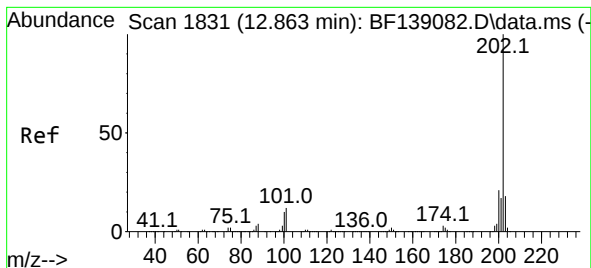
Ion Ratio Lower Upper

184 100

185 15.3 11.5 17.3

183 8.0 9.8 14.6#





#78

Pyrene

Concen: 9.248 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

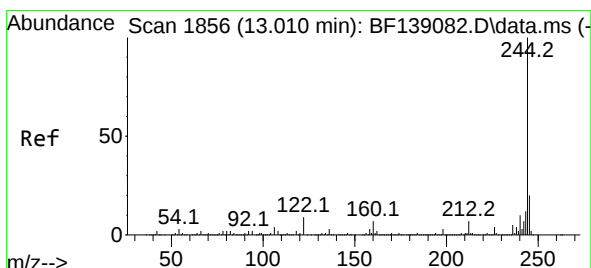
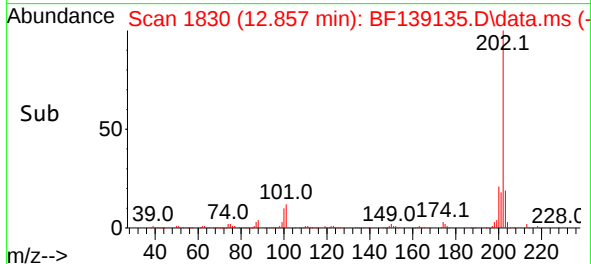
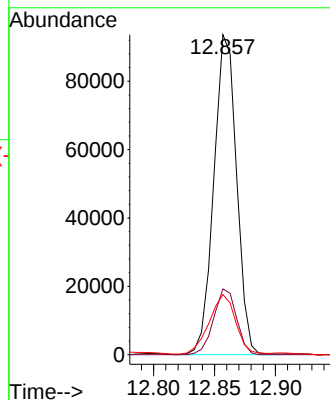
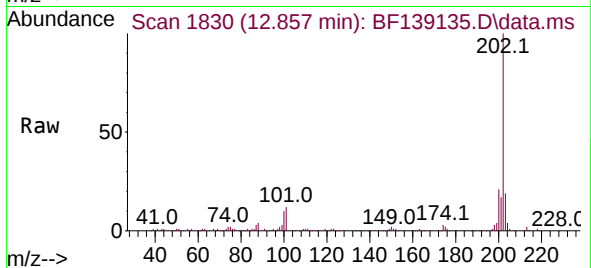
Tgt Ion:202 Resp: 121881

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 18.8 14.1 21.1



#79

Terphenyl-d14

Concen: 63.068 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

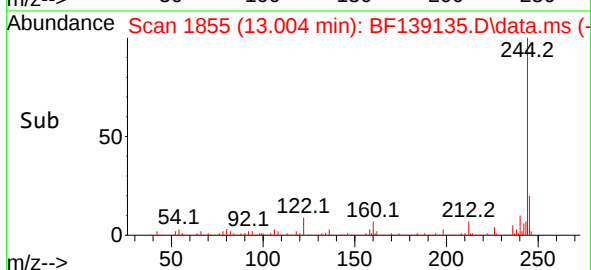
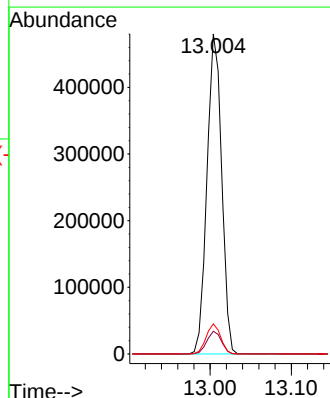
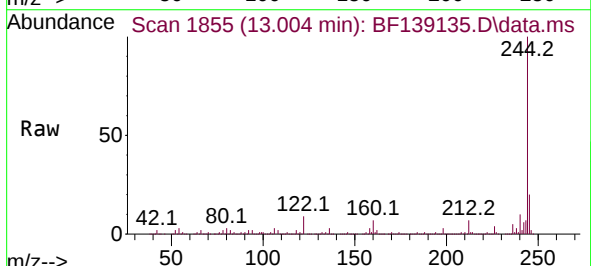
Tgt Ion:244 Resp: 600234

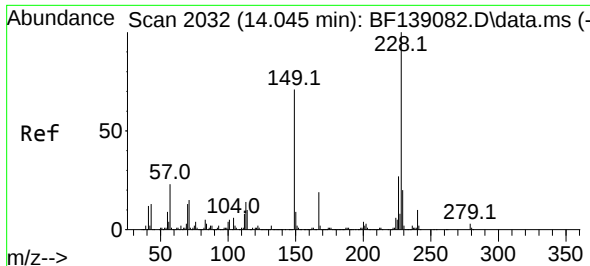
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.4 7.6 11.4

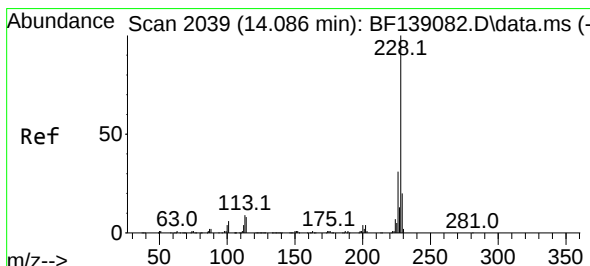
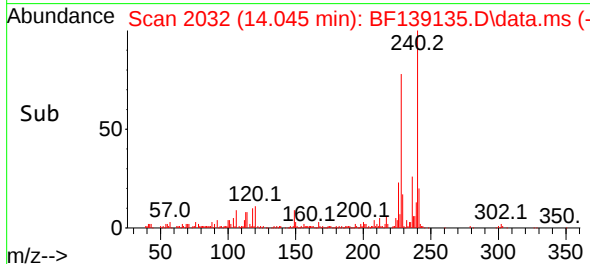
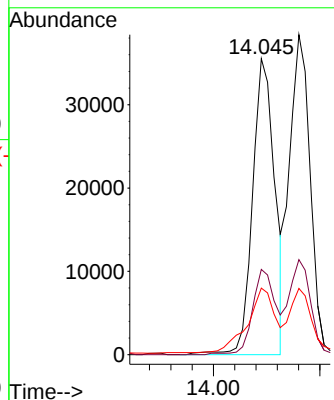
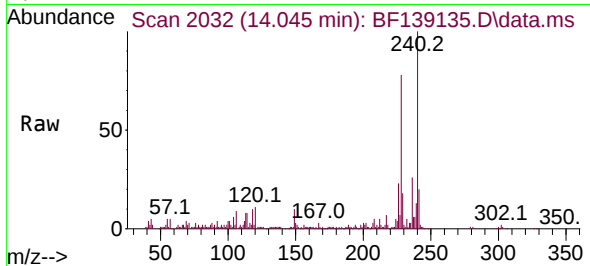




#81
Benzo(a)anthracene
Concen: 4.960 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

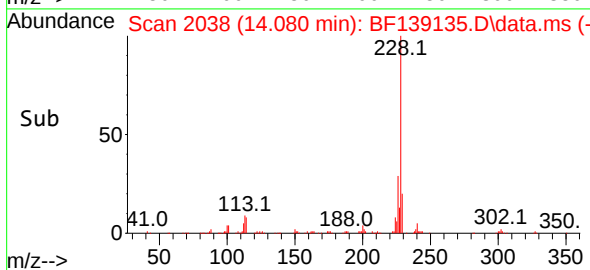
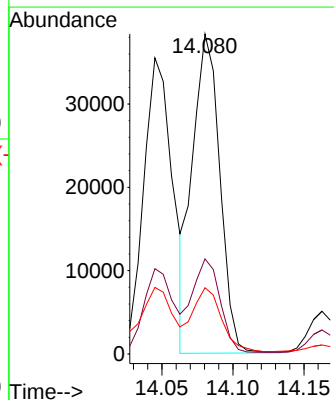
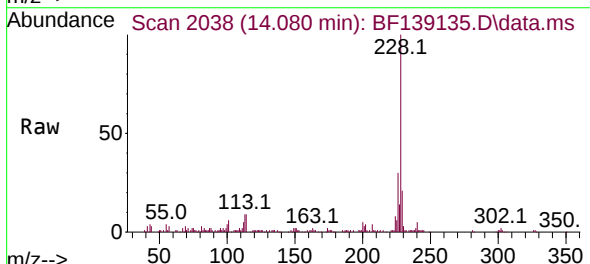
Instrument :
BNA_F
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

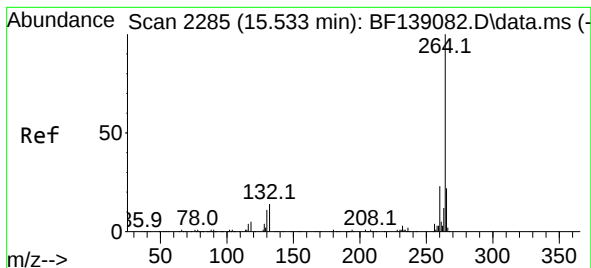
Tgt Ion:228 Resp: 51485
Ion Ratio Lower Upper
228 100
226 28.8 21.9 32.9
229 22.5 16.1 24.1



#83
Chrysene
Concen: 5.445 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139135.D
Acq: 22 Aug 2024 21:20

Tgt Ion:228 Resp: 51238
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 20.7 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

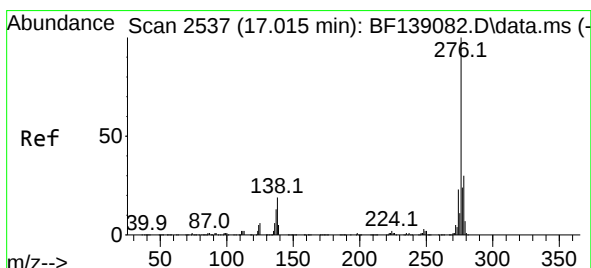
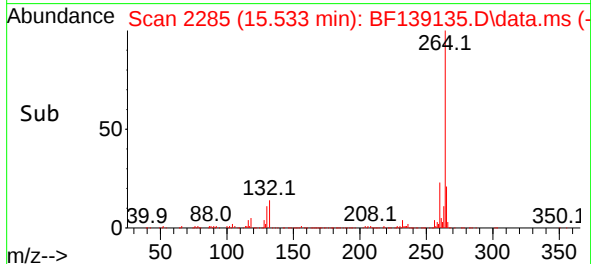
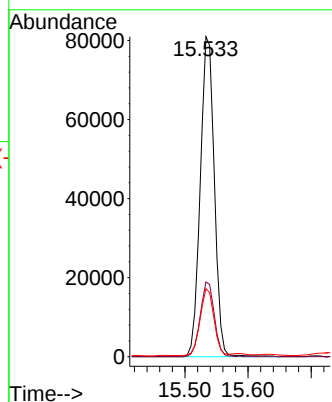
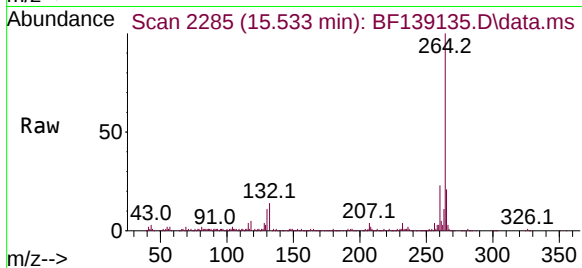
Tgt Ion:264 Resp: 125372

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.896 ng

RT: 17.010 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

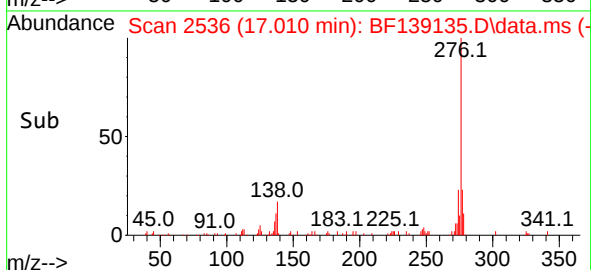
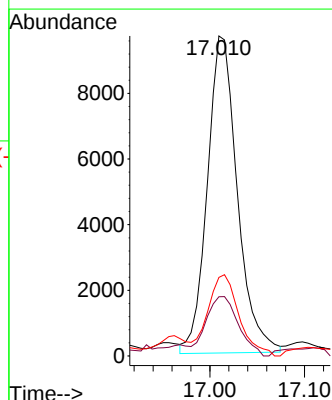
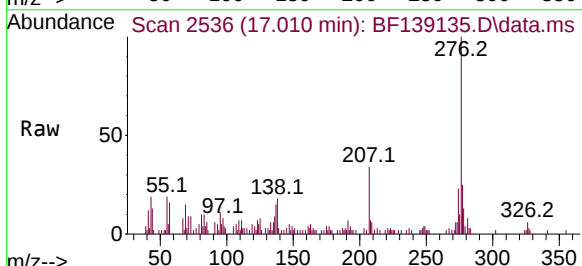
Tgt Ion:276 Resp: 21252

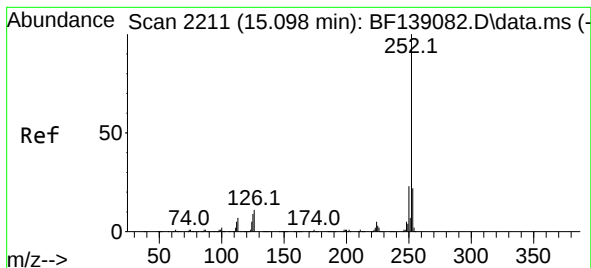
Ion Ratio Lower Upper

276 100

138 20.1 17.3 25.9

277 26.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 9.156 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

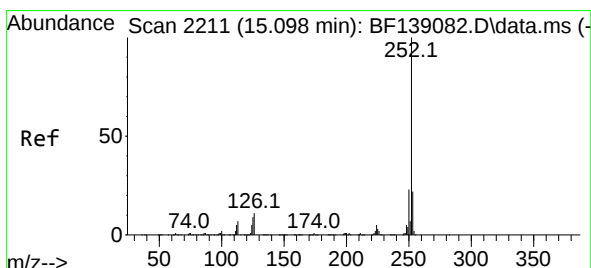
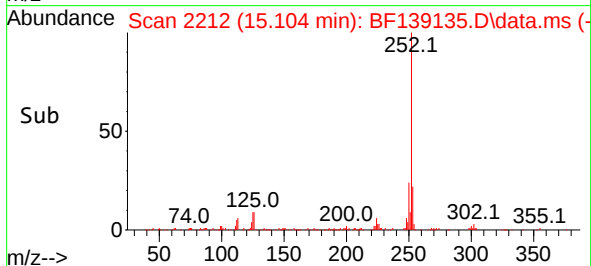
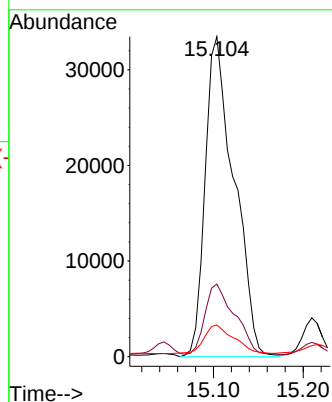
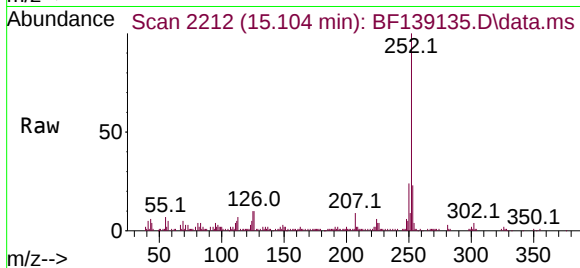
Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

Tgt Ion:252	Resp:	74833
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.4 26.2
125	9.9	7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 10.993 ng

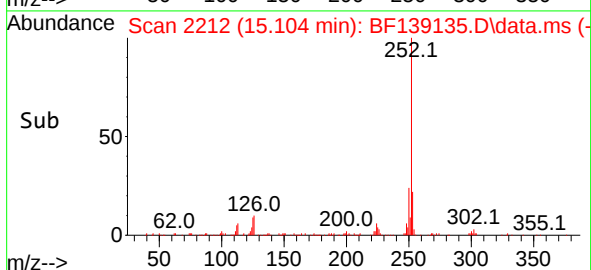
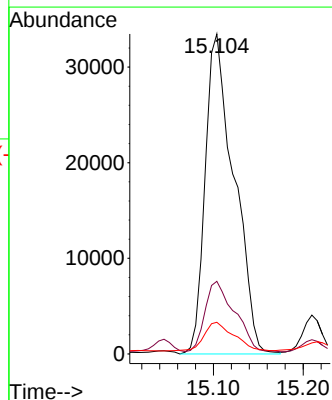
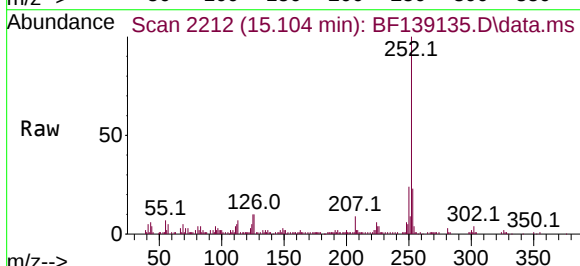
RT: 15.104 min Scan# 2212

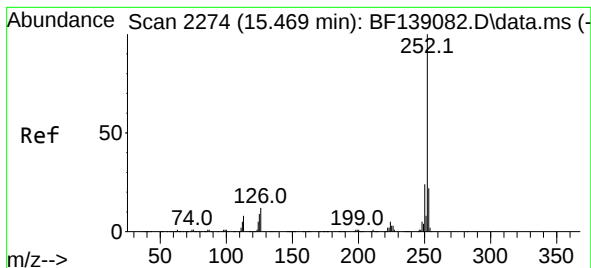
Delta R.T. -0.030 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Tgt Ion:252	Resp:	74833
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.4 26.2
125	9.9	7.0 10.6





#90

Benzo(a)pyrene

Concen: 5.146 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Instrument :

BNA_F

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

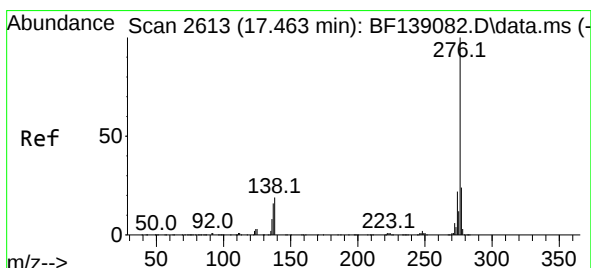
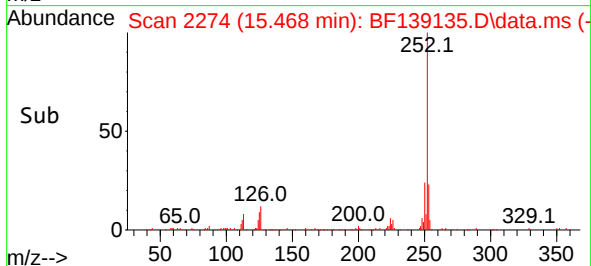
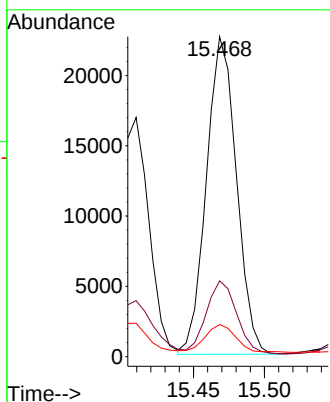
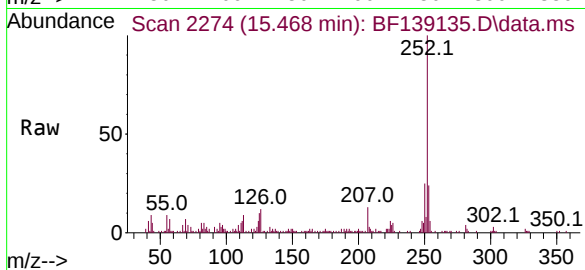
Tgt Ion:252 Resp: 33236

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 10.1 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 5.644 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.001 min

Lab File: BF139135.D

Acq: 22 Aug 2024 21:20

Tgt Ion:276 Resp: 20818

Ion Ratio Lower Upper

276 100

277 26.5 18.8 28.2

138 18.7 15.0 22.4

