

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139124.D
 Acq On : 22 Aug 2024 15:51
 Operator : RC/JU
 Sample : P3641-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 22 16:51:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

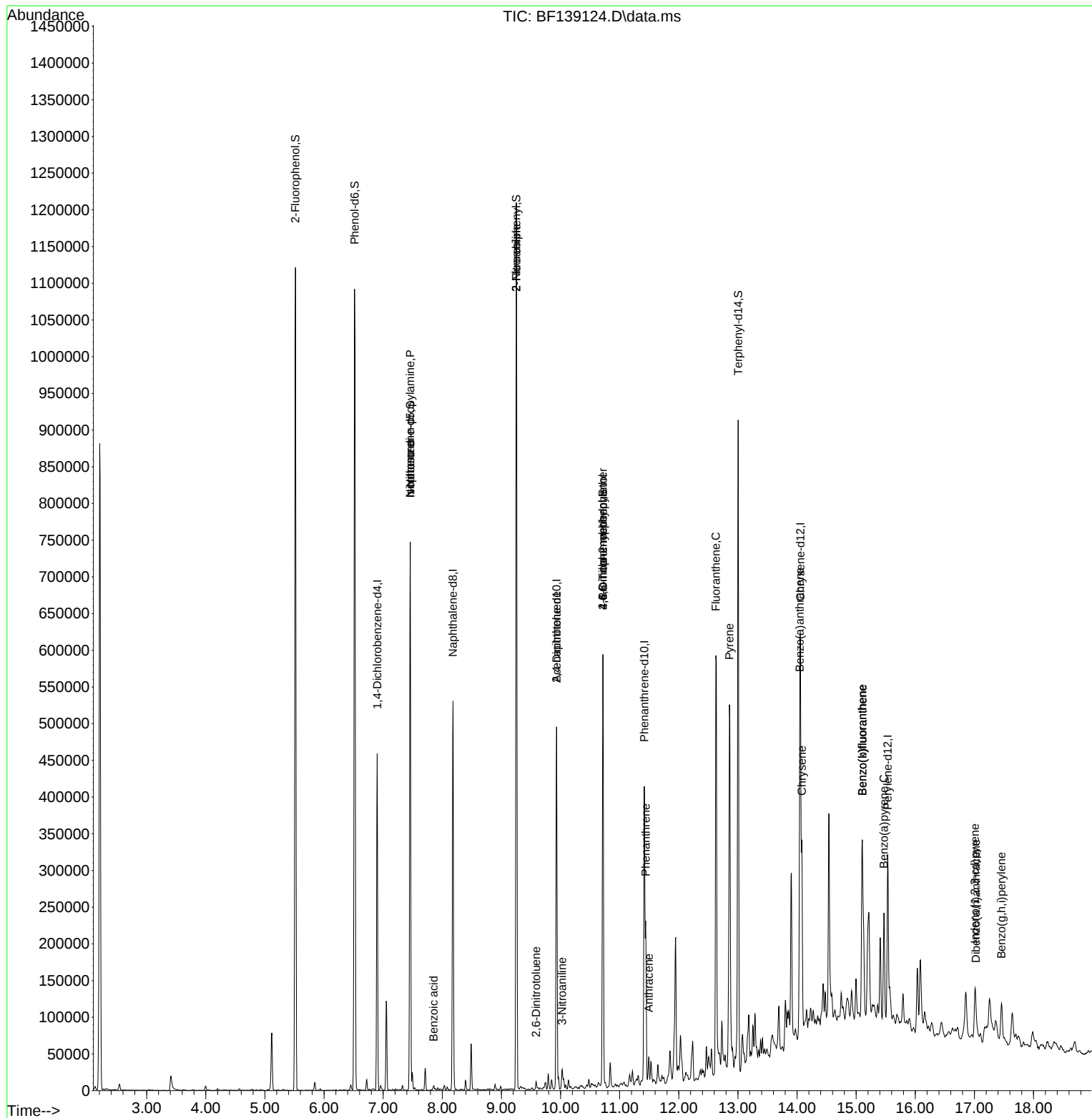
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	87146	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	299994	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	137580	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	204095	20.000	ng	0.00
76) Chrysene-d12	14.057	240	165237	20.000	ng	0.00
86) Perylene-d12	15.533	264	128213	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	371174	65.529	ng	0.00
7) Phenol-d6	6.516	99	478795	65.418	ng	0.00
23) Nitrobenzene-d5	7.457	82	315975	61.374	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	83948	67.401	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	493827	56.949	ng	0.00
79) Terphenyl-d14	13.004	244	405350	40.705	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	44275	9.212	ng	# 79
25) Isophorone	7.457	82	315724	28.853	ng	# 69
32) Benzoic acid	7.851	122	1532	8.785	ng	98
48) 2-Nitroaniline	9.251	65	921	6.027	ng	# 1
51) 2,6-Dinitrotoluene	9.586	165	717	4.898	ng	# 35
53) 3-Nitroaniline	10.028	138	128	4.242	ng	# 1
57) 2,4-Dinitrotoluene	9.934	165	17648	12.853	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	122	6.654	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	6026	2.786	ng	# 1
71) Phenanthrene	11.439	178	110067	10.610	ng	98
72) Anthracene	11.492	178	21164	2.086	ng	98
75) Fluoranthene	12.627	202	316258	28.563	ng	99
78) Pyrene	12.857	202	262809	19.059	ng	98
81) Benzo(a)anthracene	14.045	228	146891	13.523	ng	96
83) Chrysene	14.080	228	135084	13.721	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	53092	7.075	ng	97
88) Benzo(b)fluoranthene	15.104	252	207088	24.775	ng	100
89) Benzo(k)fluoranthene	15.104	252	207088	29.747	ng	100
90) Benzo(a)pyrene	15.468	252	85227	12.904	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	13158	2.136	ng	95
92) Benzo(g,h,i)perylene	17.457	276	47036	9.089	ng	97

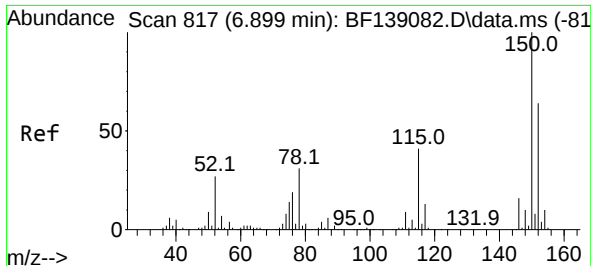
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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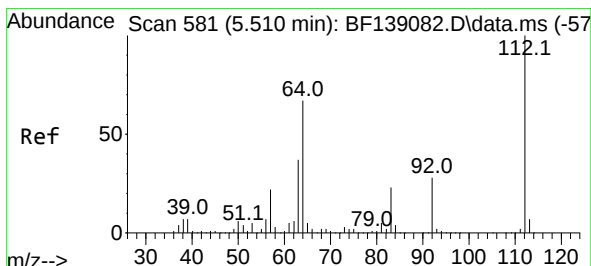
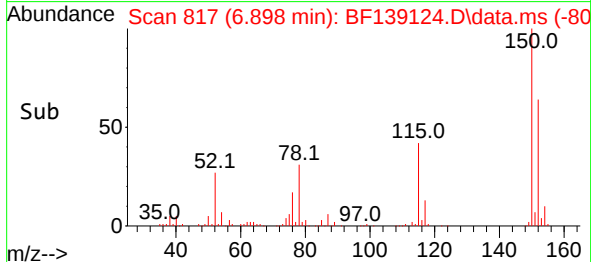
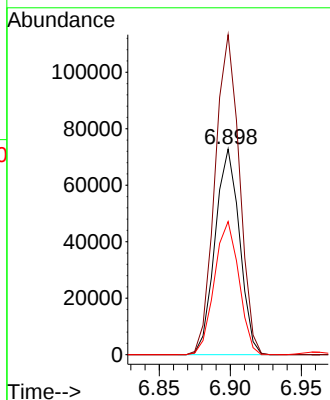
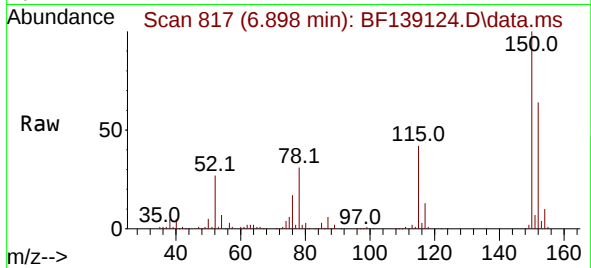




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

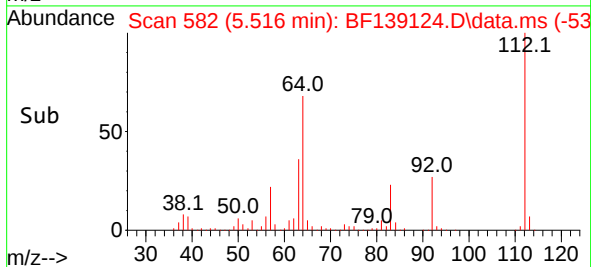
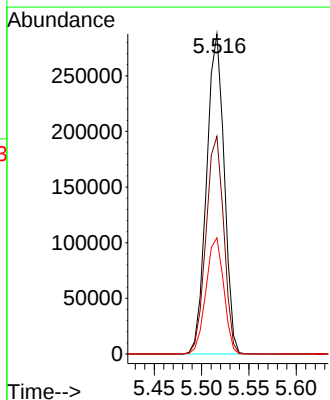
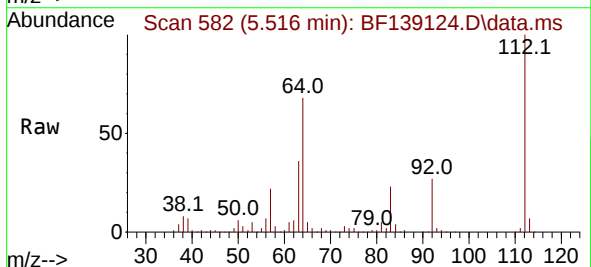
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

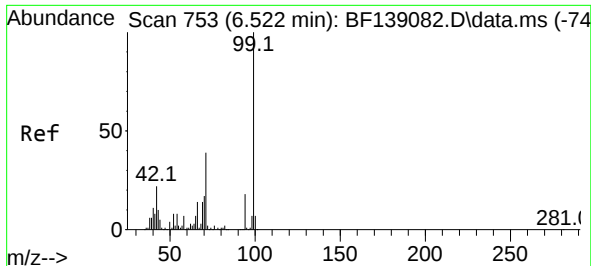
Tgt Ion:152 Resp: 87146
Ion Ratio Lower Upper
152 100
150 155.5 125.1 187.7
115 64.7 51.8 77.6



#5
2-Fluorophenol
Concen: 65.529 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:112 Resp: 371174
Ion Ratio Lower Upper
112 100
64 68.0 53.8 80.6
63 36.3 29.4 44.2

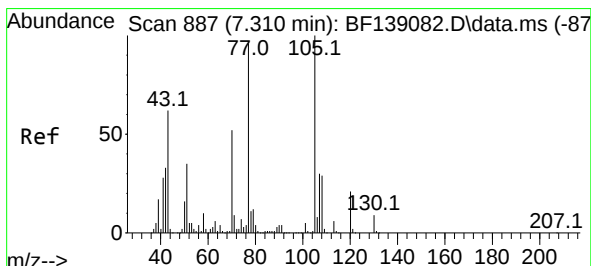
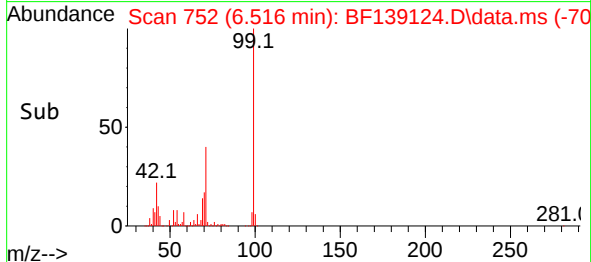
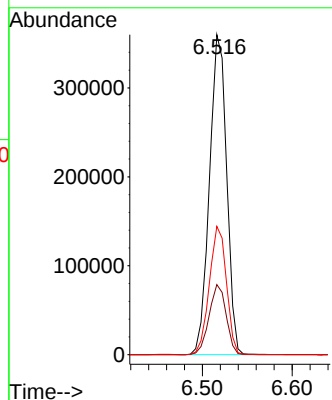
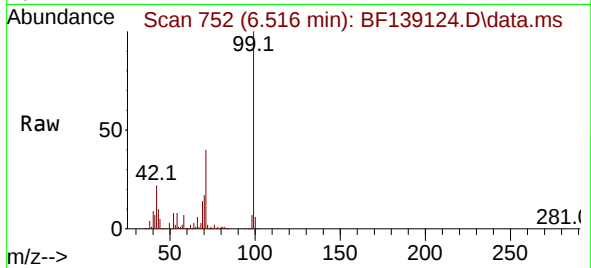




#7
Phenol-d6
Concen: 65.418 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

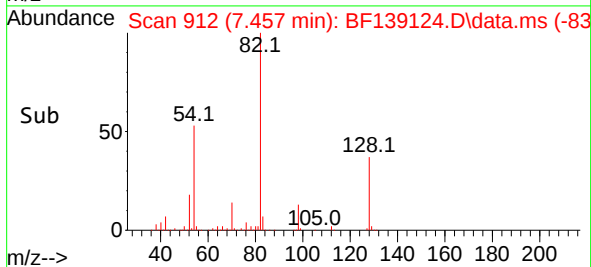
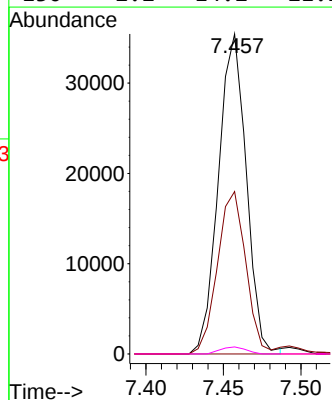
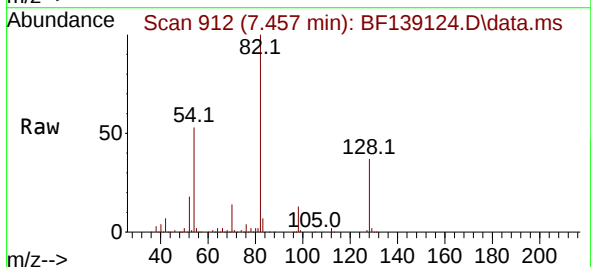
Instrument :
BNA_F
ClientSampleId :
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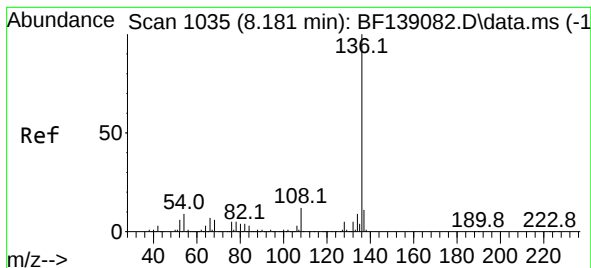
Tgt Ion: 99 Resp: 478795
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.1 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.212 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 70 Resp: 44275
Ion Ratio Lower Upper
70 100
42 50.7 50.5 75.7
101 0.0 7.2 10.8#
130 2.2 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: BF139124.D

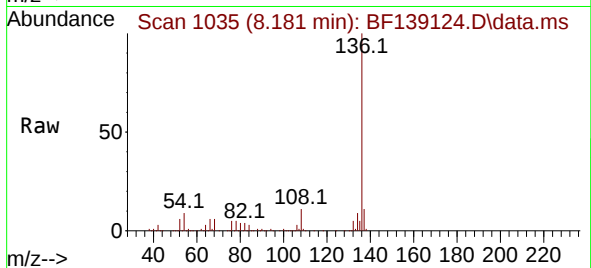
Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

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



Tgt Ion:136 Resp: 299994

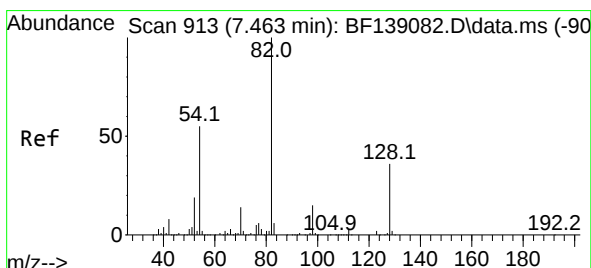
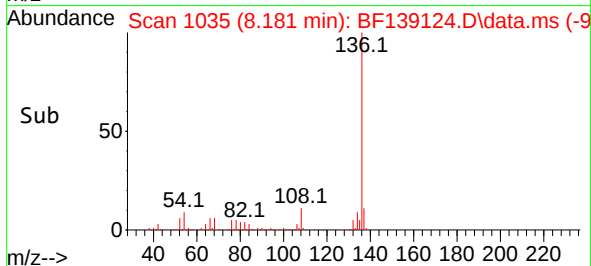
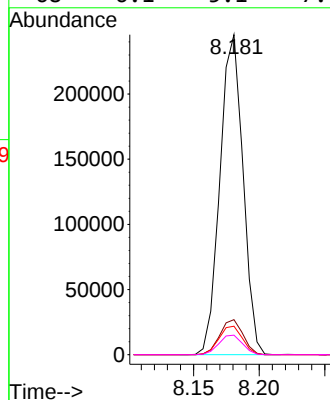
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.9 7.6 11.4

68 6.1 5.1 7.7



#23

Nitrobenzene-d5

Concen: 61.374 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

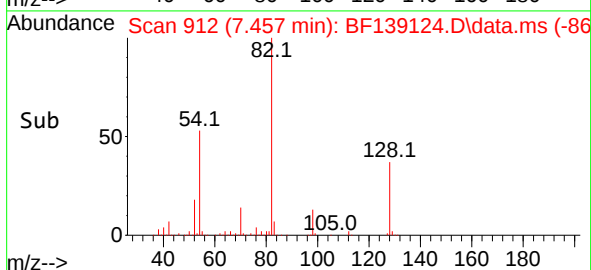
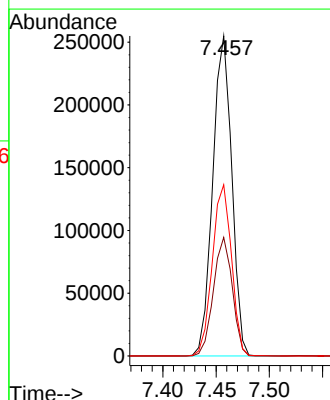
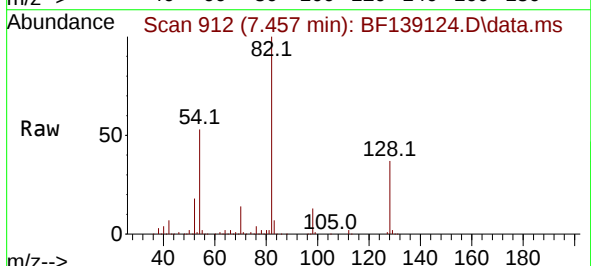
Tgt Ion: 82 Resp: 315975

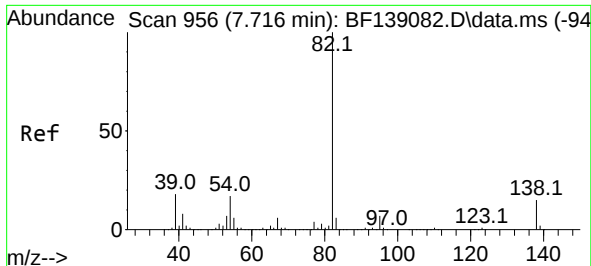
Ion Ratio Lower Upper

82 100

128 37.1 29.0 43.4

54 53.5 43.4 65.2

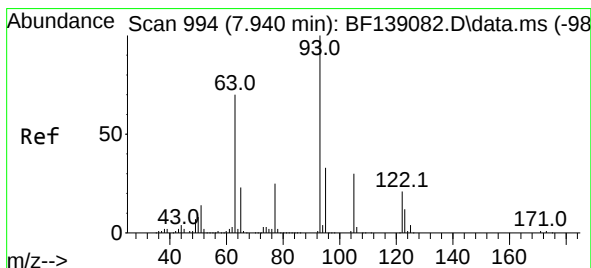
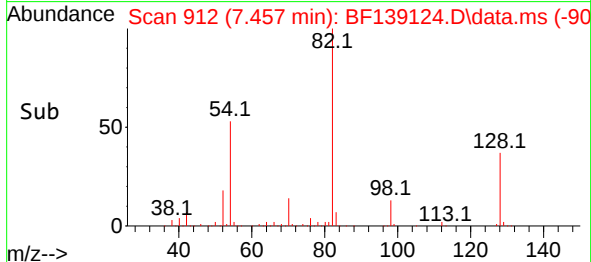
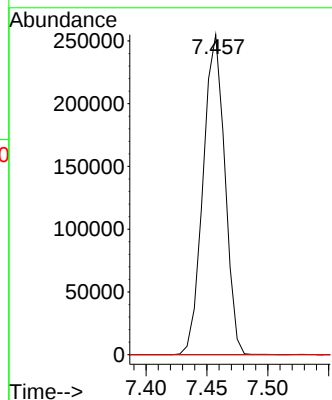
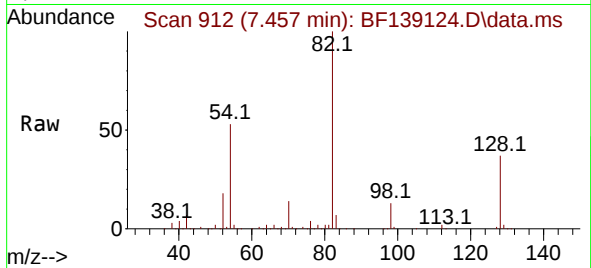




#25
Isophorone
Concen: 28.853 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

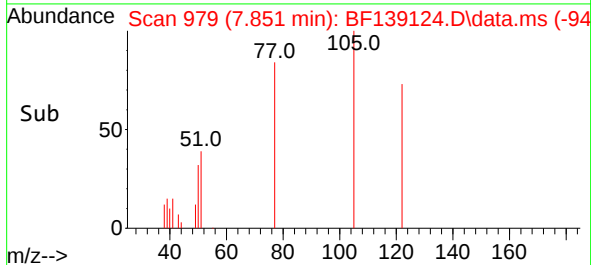
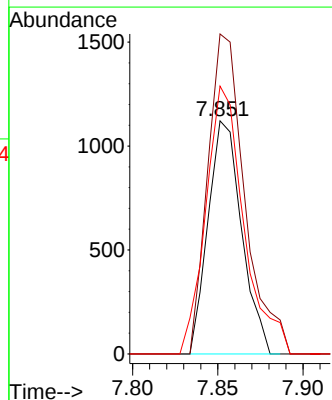
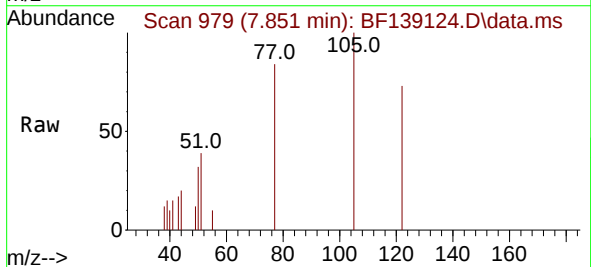
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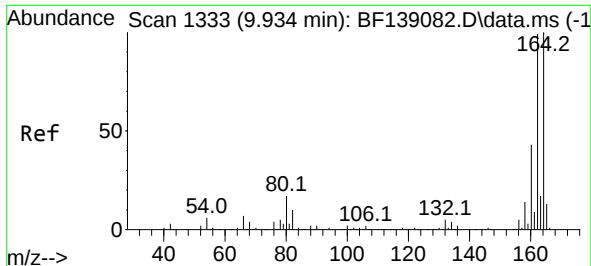
Tgt Ion: 82 Resp: 315724
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.785 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.089 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:122 Resp: 1532
Ion Ratio Lower Upper
122 100
105 137.3 119.6 159.6
77 114.9 97.6 137.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139124.D

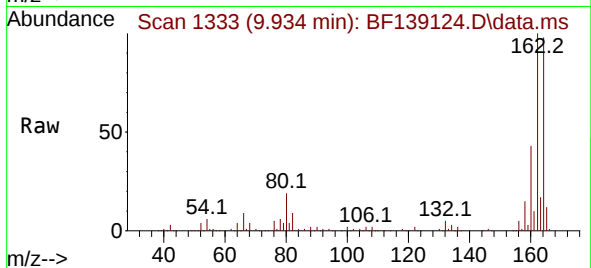
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Instrument :

BNA_F

ClientSampleId :

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



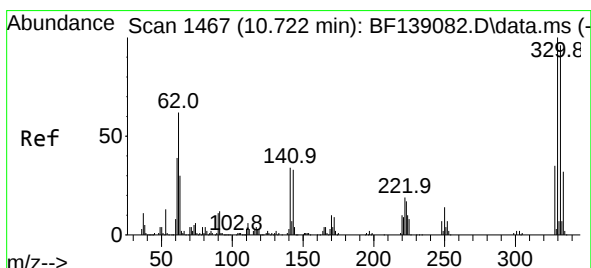
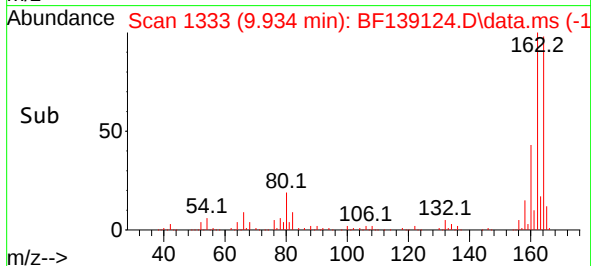
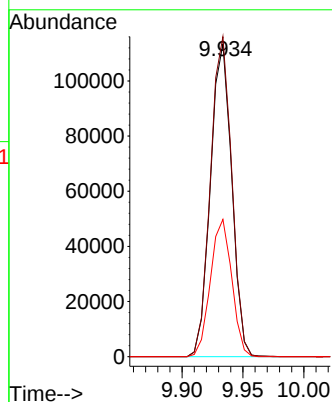
Tgt Ion:164 Resp: 137580

Ion Ratio Lower Upper

164 100

162 102.3 79.5 119.3

160 43.9 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 67.401 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

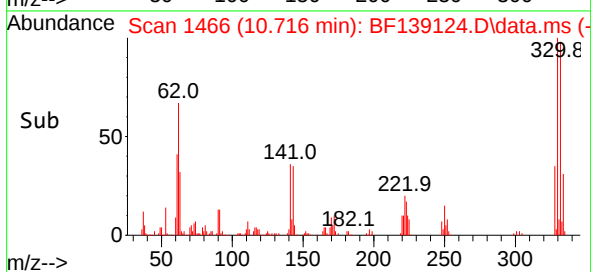
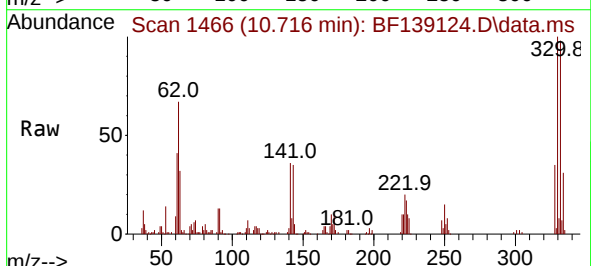
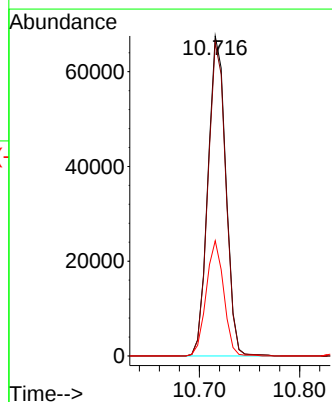
Tgt Ion:330 Resp: 83948

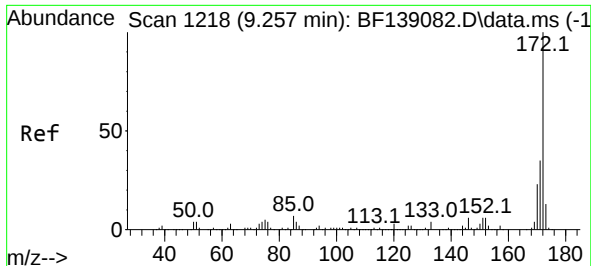
Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

141 35.2 27.5 41.3





#45

2-Fluorobiphenyl

Concen: 56.949 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139124.D

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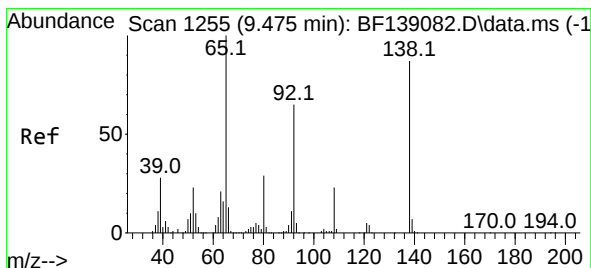
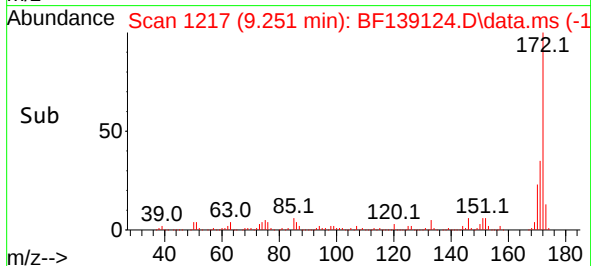
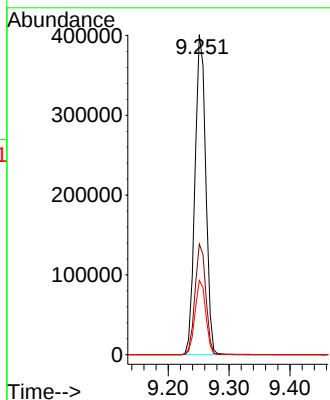
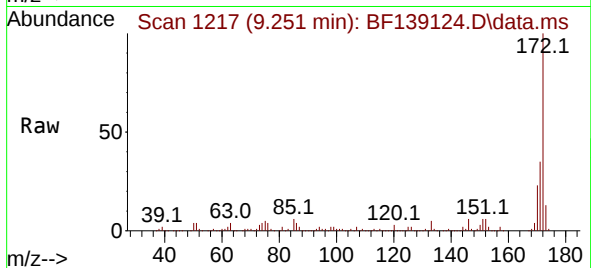
Tgt Ion:172 Resp: 493827

Ion Ratio Lower Upper

172 100

171 34.6 28.4 42.6

170 23.2 18.8 28.2



#48

2-Nitroaniline

Concen: 6.027 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.224 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

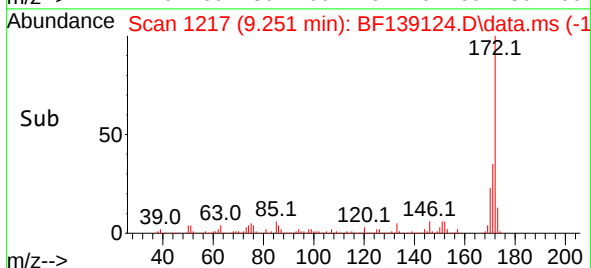
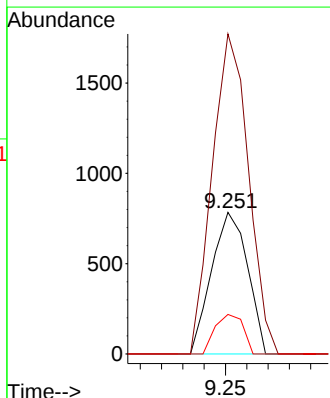
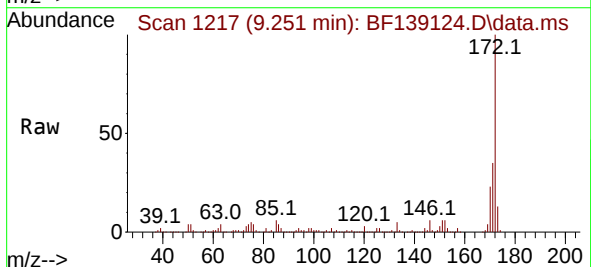
Tgt Ion: 65 Resp: 921

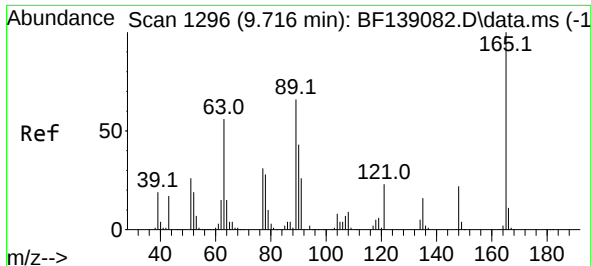
Ion Ratio Lower Upper

65 100

92 226.0 52.4 78.6#

138 27.9 69.4 104.0#





#51

2,6-Dinitrotoluene

Concen: 4.898 ng

RT: 9.586 min Scan# 11

Delta R.T. -0.130 min

Lab File: BF139124.D

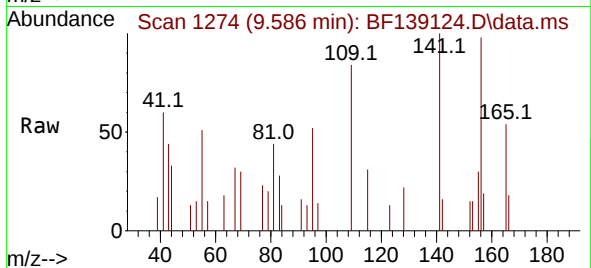
Acq: 22 Aug 2024 15:51

Instrument :

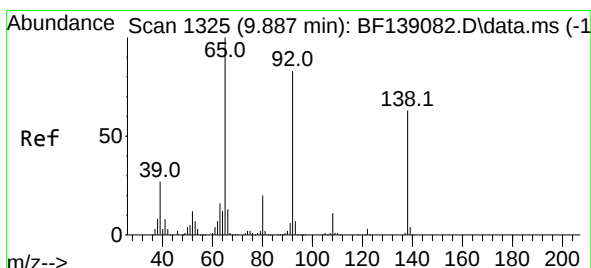
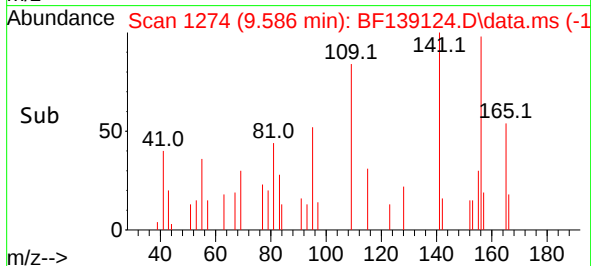
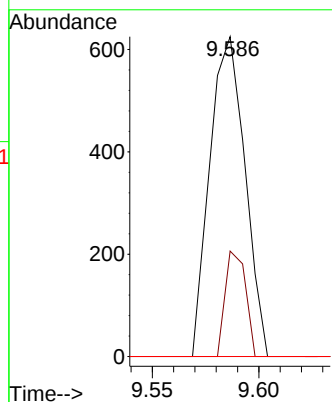
BNA_F

ClientSampleId :

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Tgt Ion:165	Resp:	717
Ion	Ratio	Lower Upper
165	100	
63	33.0	58.0 87.0#
89	0.0	53.3 79.9#



#53

3-Nitroaniline

Concen: 4.242 ng

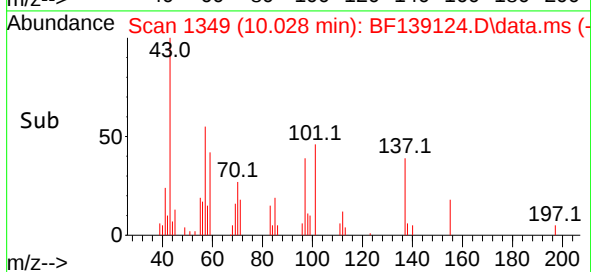
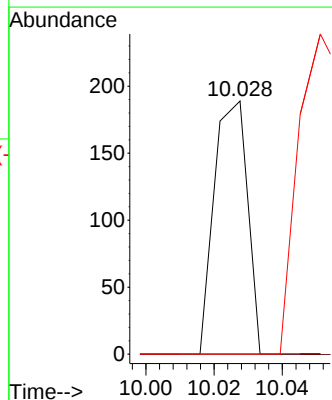
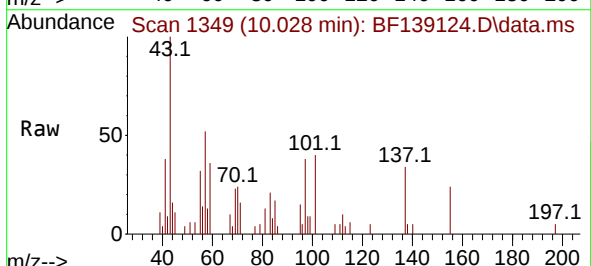
RT: 10.028 min Scan# 1349

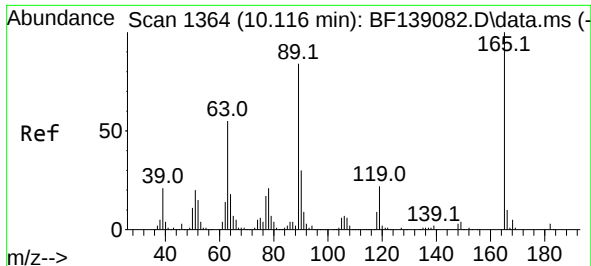
Delta R.T. 0.141 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

Tgt Ion:138	Resp:	128
Ion	Ratio	Lower Upper
138	100	
108	0.0	14.6 21.8#
92	0.0	105.9 158.9#

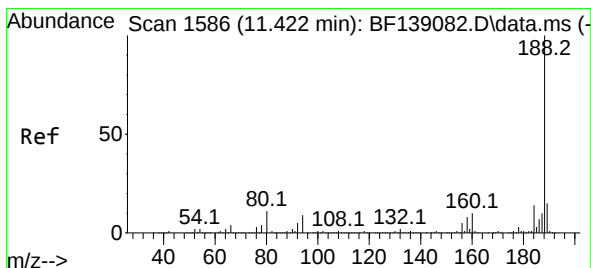
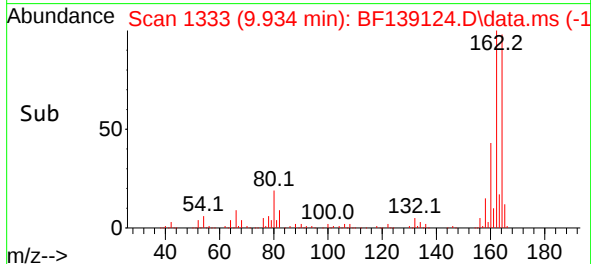
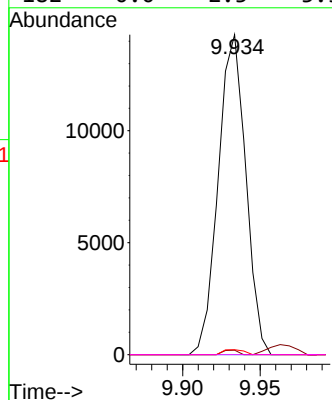
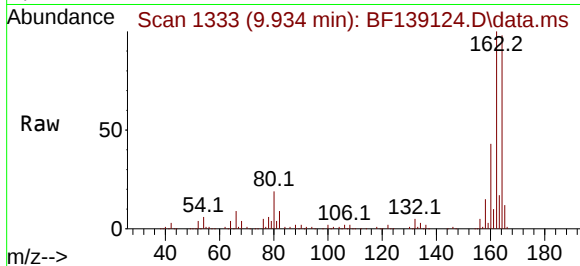




#57
2,4-Dinitrotoluene
Concen: 12.853 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

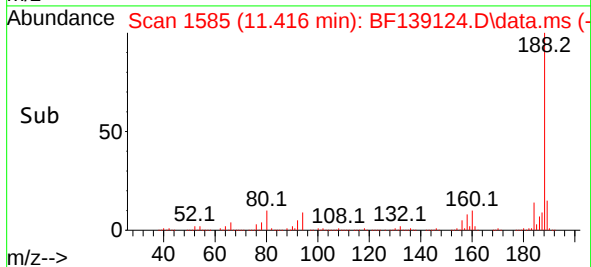
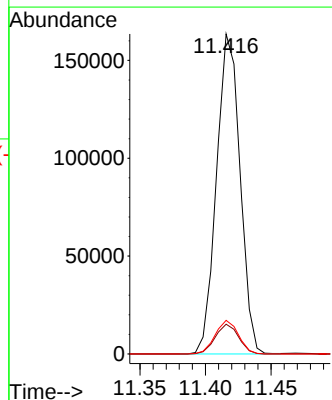
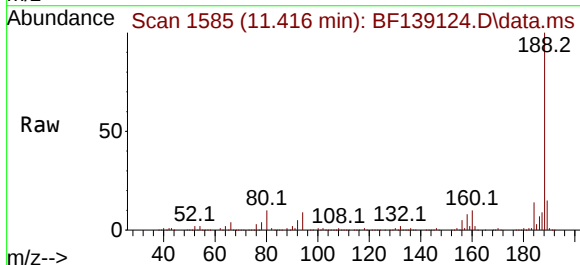
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

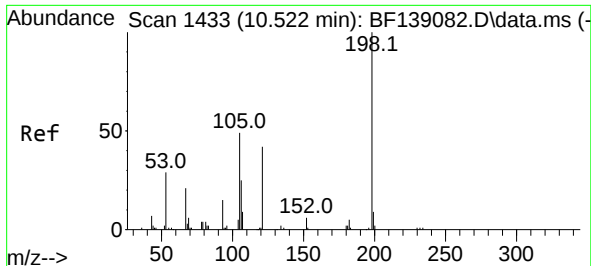
Tgt Ion:165	Resp:	17648
Ion Ratio	Lower	Upper
165	100	
63	1.4	44.2 66.4#
89	1.6	67.4 101.2#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:188	Resp:	204095
Ion Ratio	Lower	Upper
188	100	
94	9.3	7.2 10.8
80	10.5	8.5 12.7





#65

4,6-Dinitro-2-methylphenol

Concen: 6.654 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

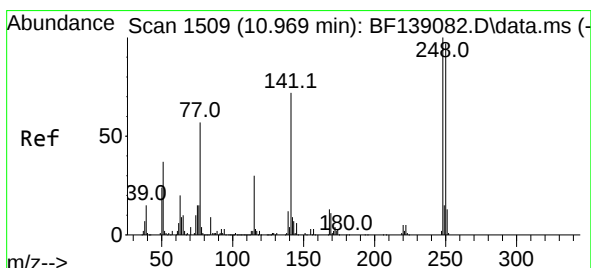
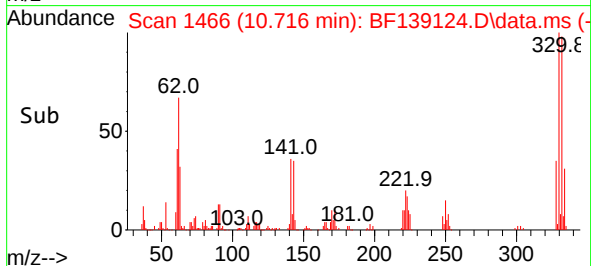
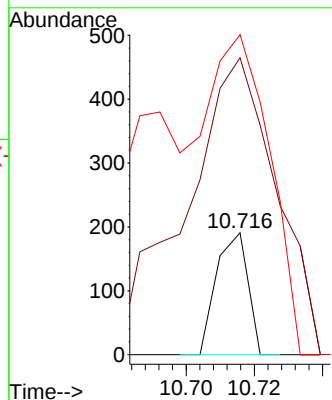
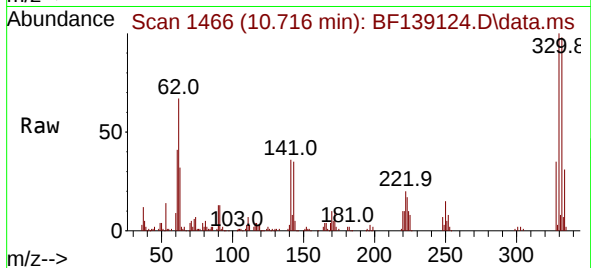
Instrument :

BNA_F

ClientSampleId :

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

Tgt Ion:	198	Resp:	122
Ion	Ratio	Lower	Upper
198	100		
51	243.5	40.8	80.8#
105	262.3	30.9	70.9#



#67

4-Bromophenyl-phenylether

Concen: 2.786 ng

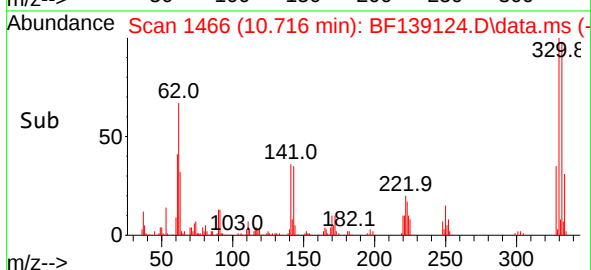
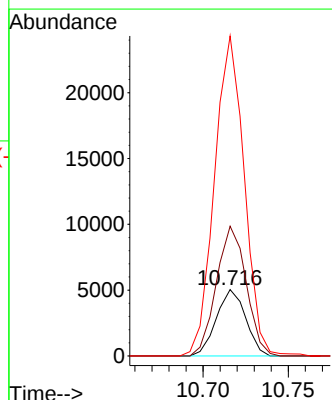
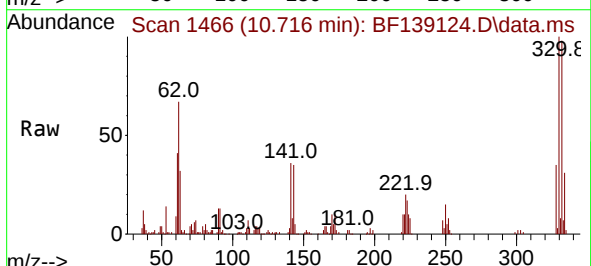
RT: 10.716 min Scan# 1466

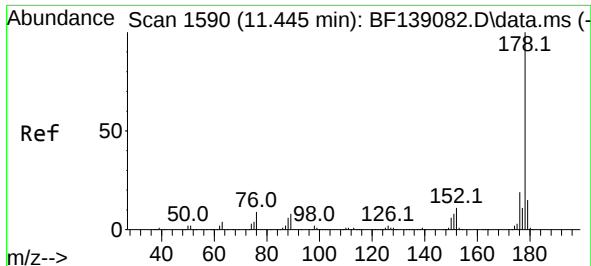
Delta R.T. -0.253 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

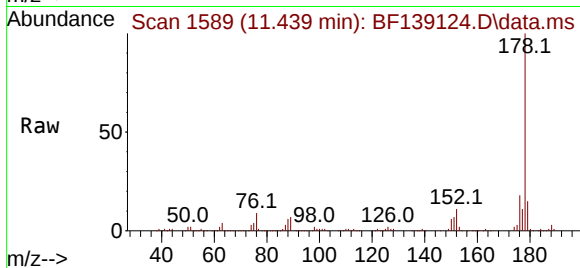
Tgt Ion:	248	Resp:	6026
Ion	Ratio	Lower	Upper
248	100		
250	195.7	77.8	116.8#
141	482.4	57.9	86.9#



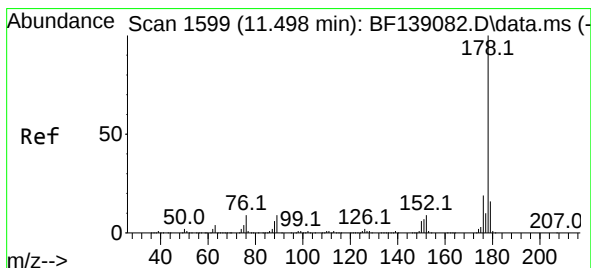
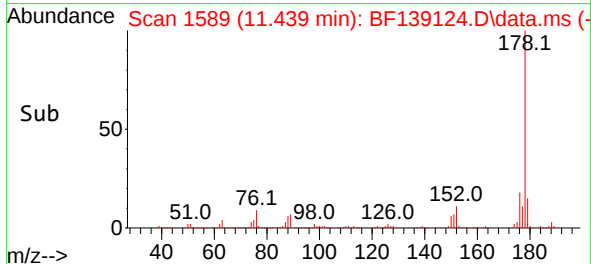
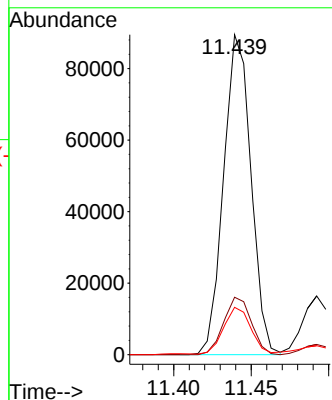


#71
Phenanthrene
Concen: 10.610 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

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

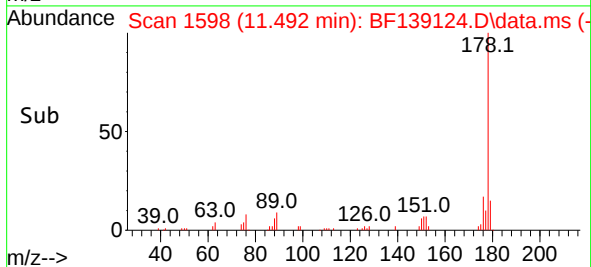
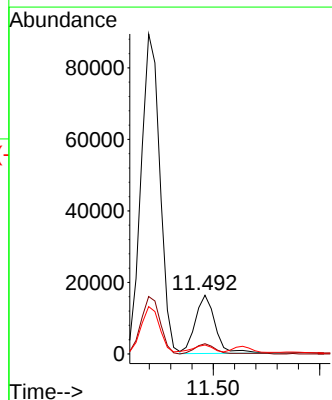
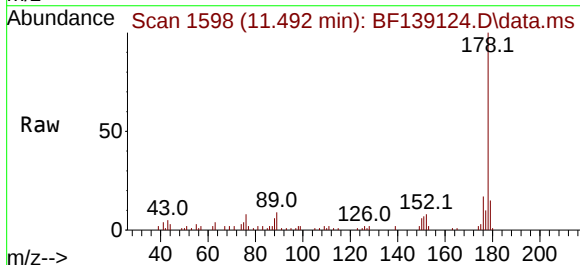


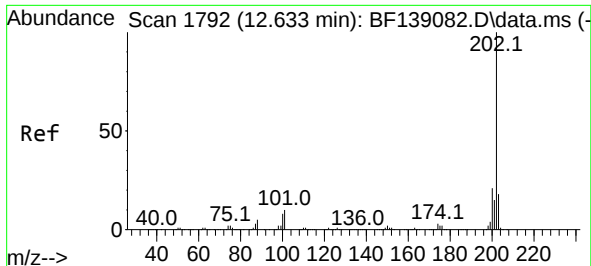
Tgt Ion:178 Resp: 110067
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 14.8 12.3 18.5



#72
Anthracene
Concen: 2.086 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:178 Resp: 21164
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.4
179 15.2 12.4 18.6

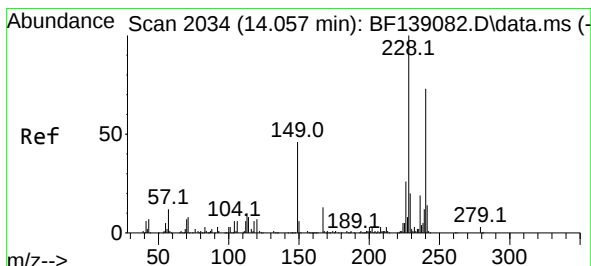
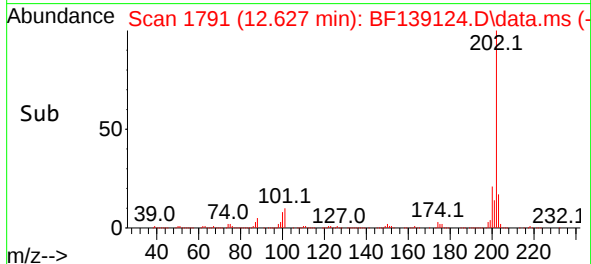
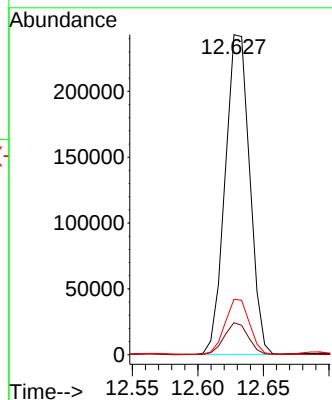
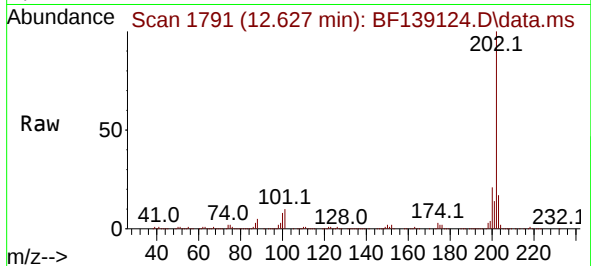




#75
Fluoranthene
Concen: 28.563 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

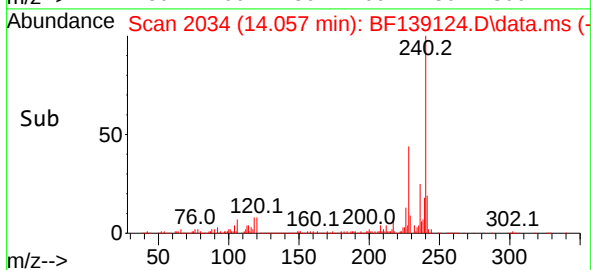
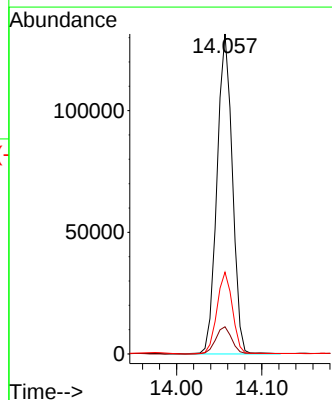
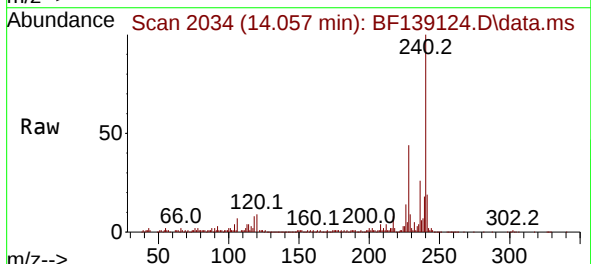
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

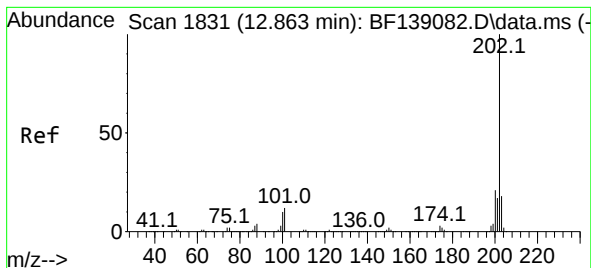
Tgt Ion:202 Resp: 316258
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:240 Resp: 165237
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 25.5 20.9 31.3





#78

Pyrene

Concen: 19.059 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

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

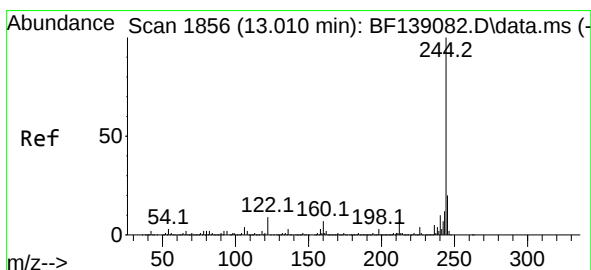
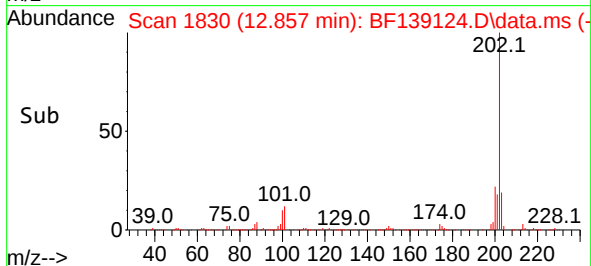
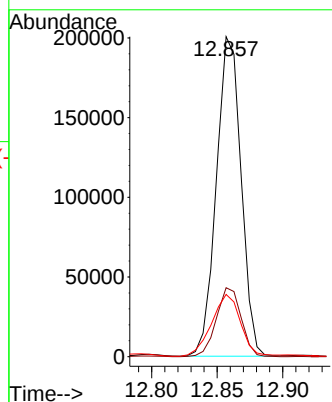
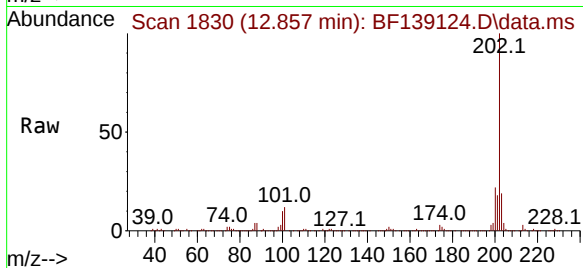
Tgt Ion:202 Resp: 262809

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 19.4 14.1 21.1



#79

Terphenyl-d14

Concen: 40.705 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

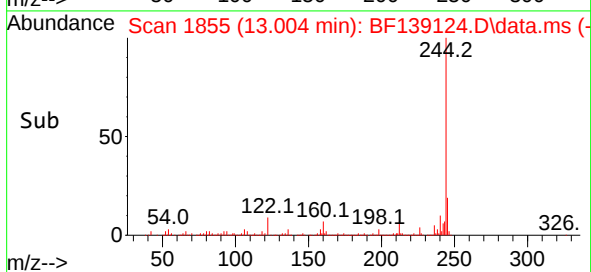
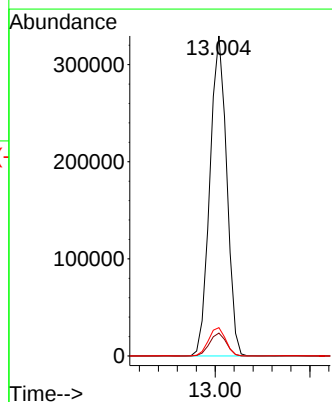
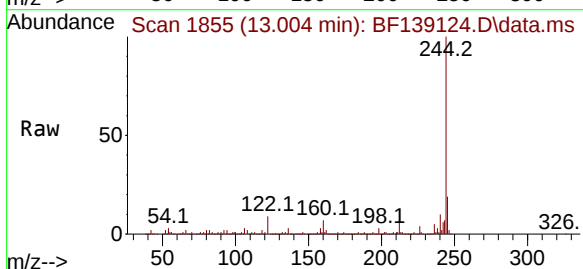
Tgt Ion:244 Resp: 405350

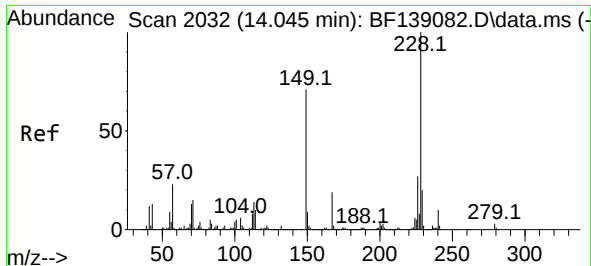
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 8.9 7.6 11.4

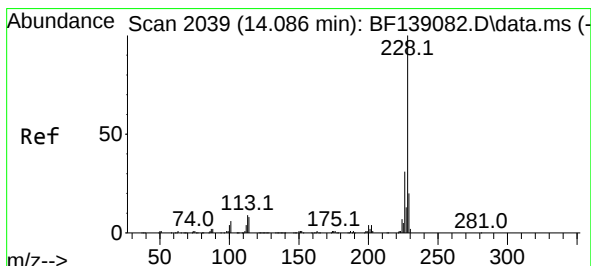
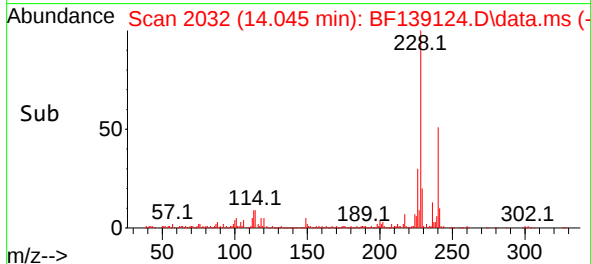
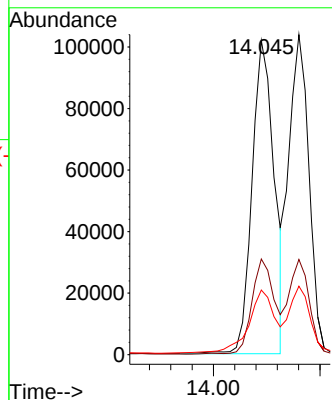
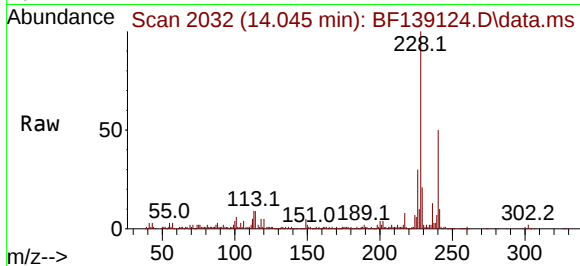




#81
Benzo(a)anthracene
Concen: 13.523 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

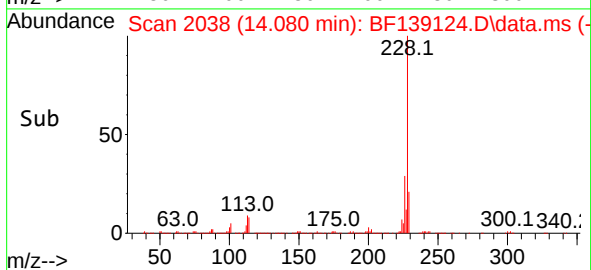
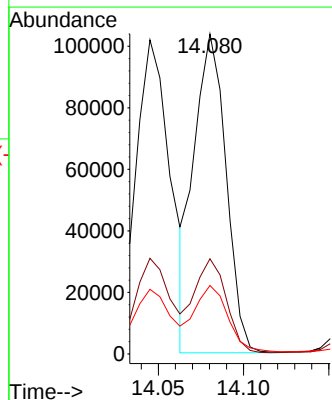
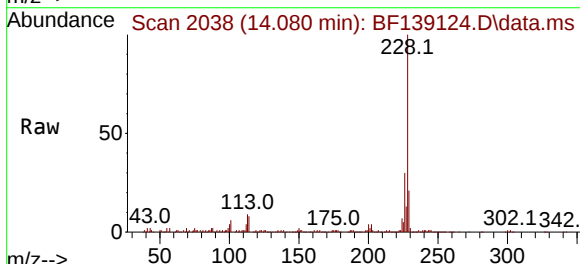
Instrument :
BNA_F
ClientSampleId :
S-910-K1-0.5-1.0-081524-FD

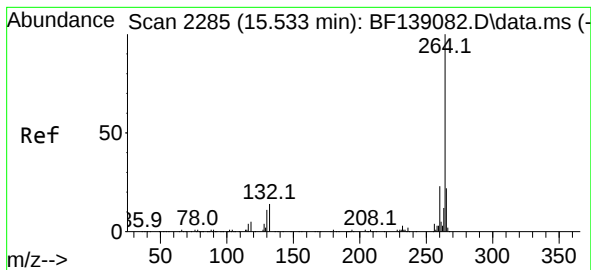
Tgt Ion:228 Resp: 146891
Ion Ratio Lower Upper
228 100
226 30.5 21.9 32.9
229 20.6 16.1 24.1



#83
Chrysene
Concen: 13.721 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139124.D
Acq: 22 Aug 2024 15:51

Tgt Ion:228 Resp: 135084
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.4 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: BF139124.D

Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

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

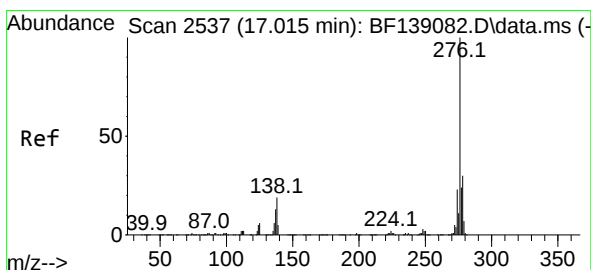
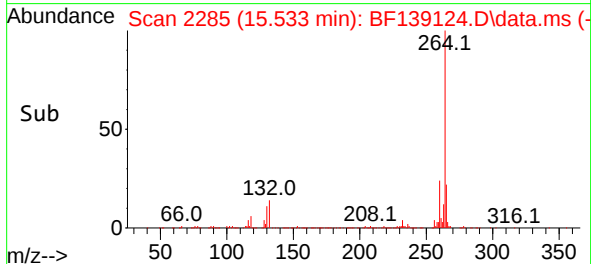
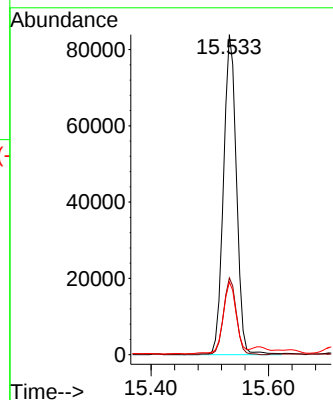
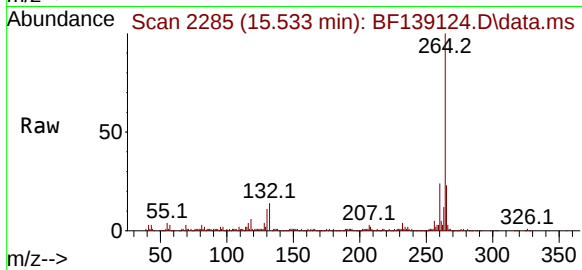
Tgt Ion:264 Resp: 128213

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 22.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.075 ng

RT: 17.010 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

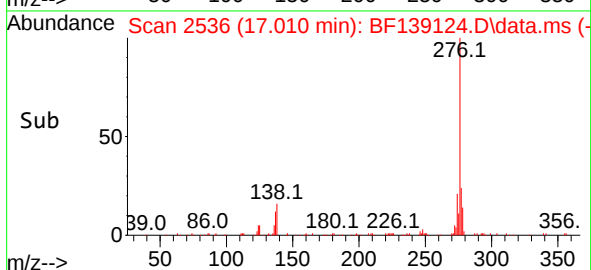
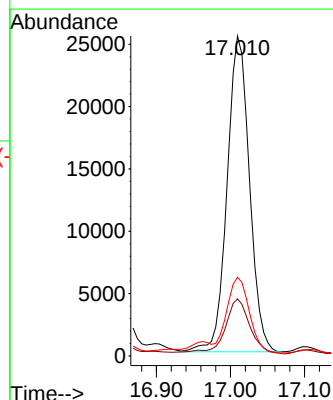
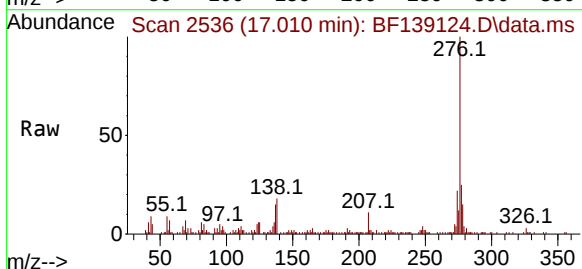
Tgt Ion:276 Resp: 53092

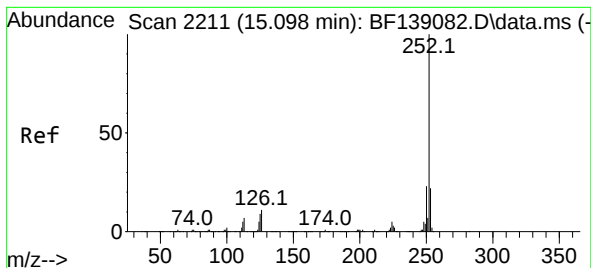
Ion Ratio Lower Upper

276 100

138 19.4 17.3 25.9

277 24.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 24.775 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

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

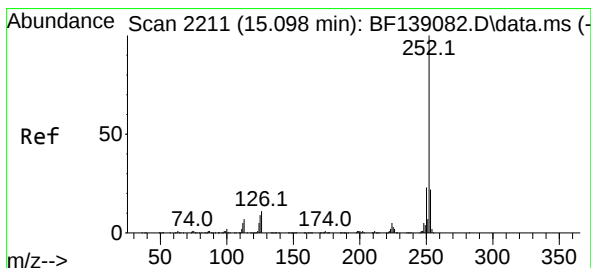
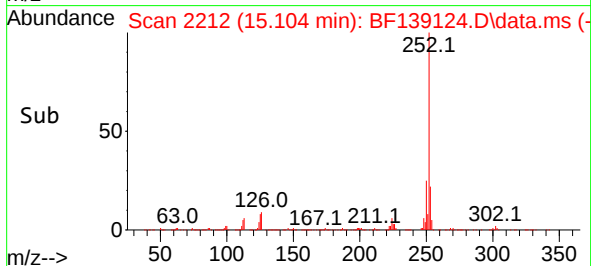
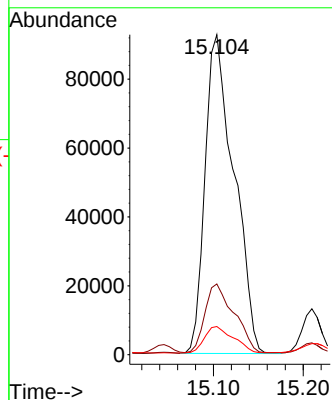
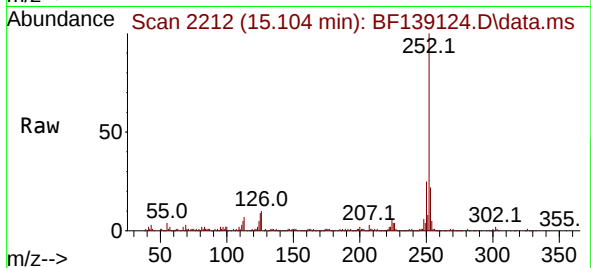
Tgt Ion:252 Resp: 207088

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 8.8 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 29.747 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.030 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

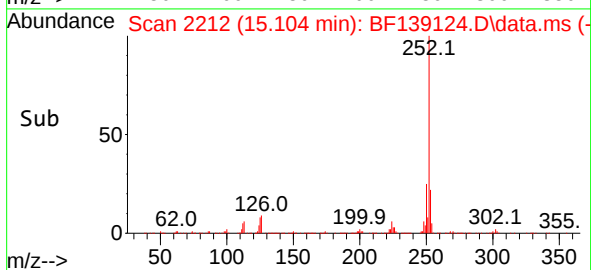
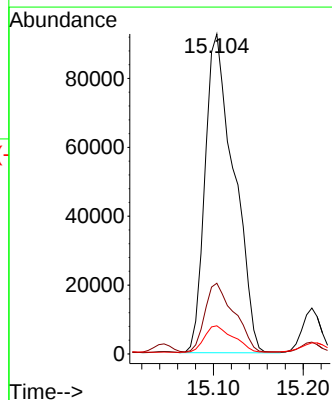
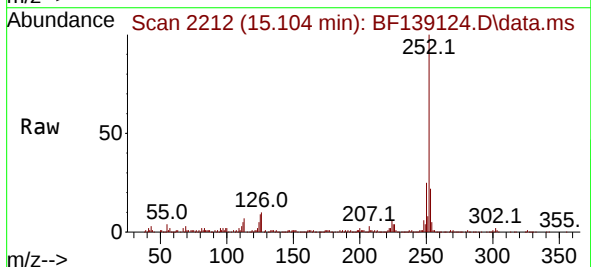
Tgt Ion:252 Resp: 207088

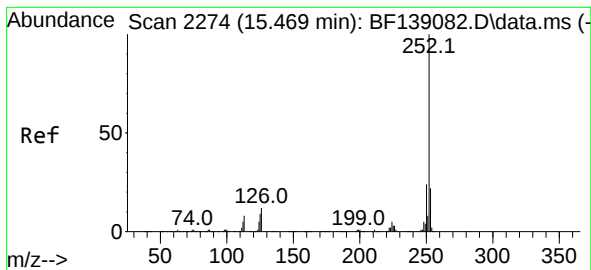
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 8.8 7.0 10.6





#90

Benzo(a)pyrene

Concen: 12.904 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

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

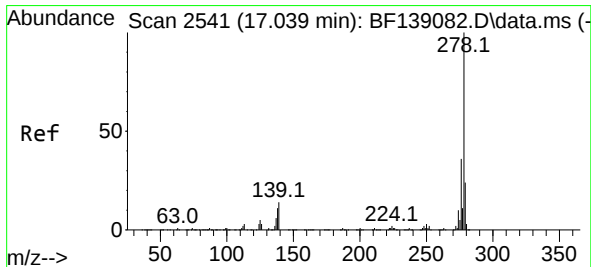
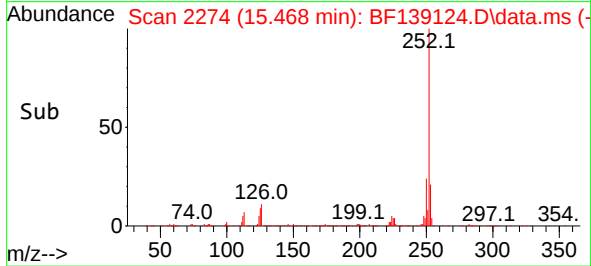
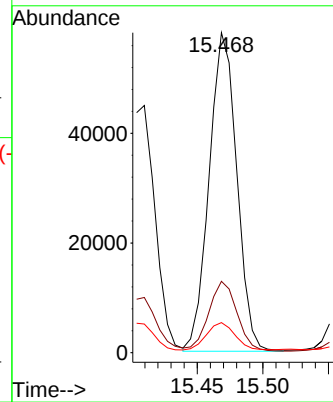
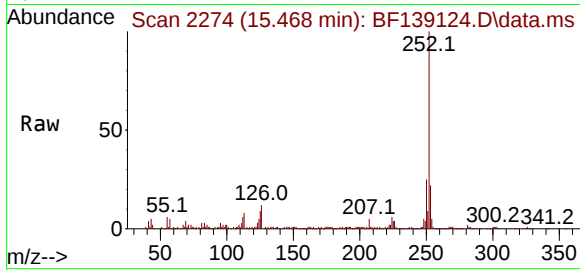
Tgt Ion:252 Resp: 85227

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 9.4 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 2.136 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.012 min

Lab File: BF139124.D

Acq: 22 Aug 2024 15:51

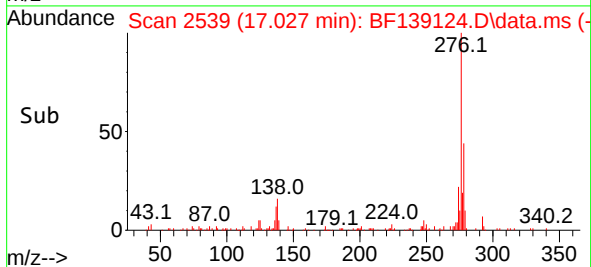
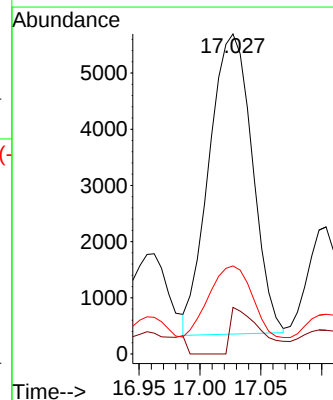
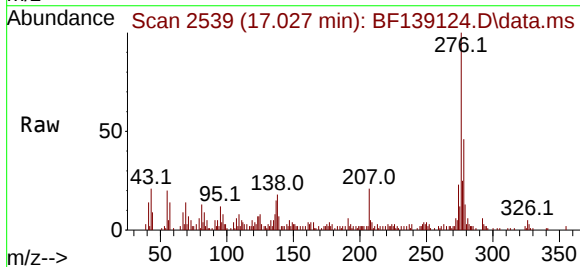
Tgt Ion:278 Resp: 13158

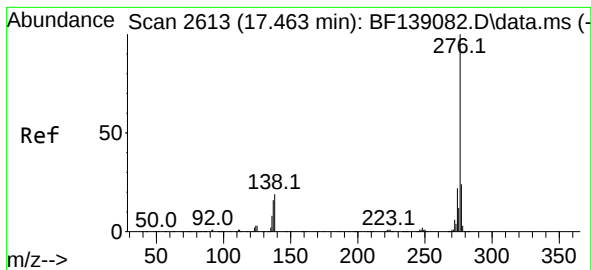
Ion Ratio Lower Upper

278 100

139 14.6 10.8 16.2

279 27.5 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 9.089 ng

RT: 17.457 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139124.D

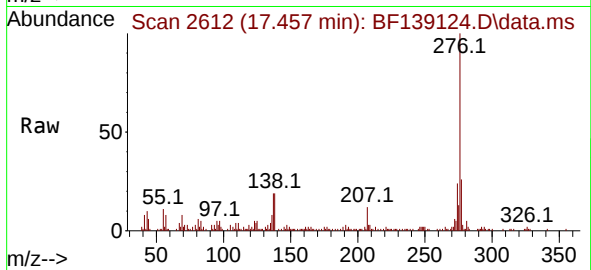
Acq: 22 Aug 2024 15:51

Instrument :

BNA_F

ClientSampleId :

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



Tgt Ion:276 Resp: 47036

Ion Ratio Lower Upper

276 100

277 25.8 18.8 28.2

138 19.2 15.0 22.4

