

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082224\
 Data File : BF139118.D
 Acq On : 22 Aug 2024 12:52
 Operator : RC/JU
 Sample : P3663-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 914-J-SD-0-0.5-081624

Quant Time: Aug 22 13:27:40 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)

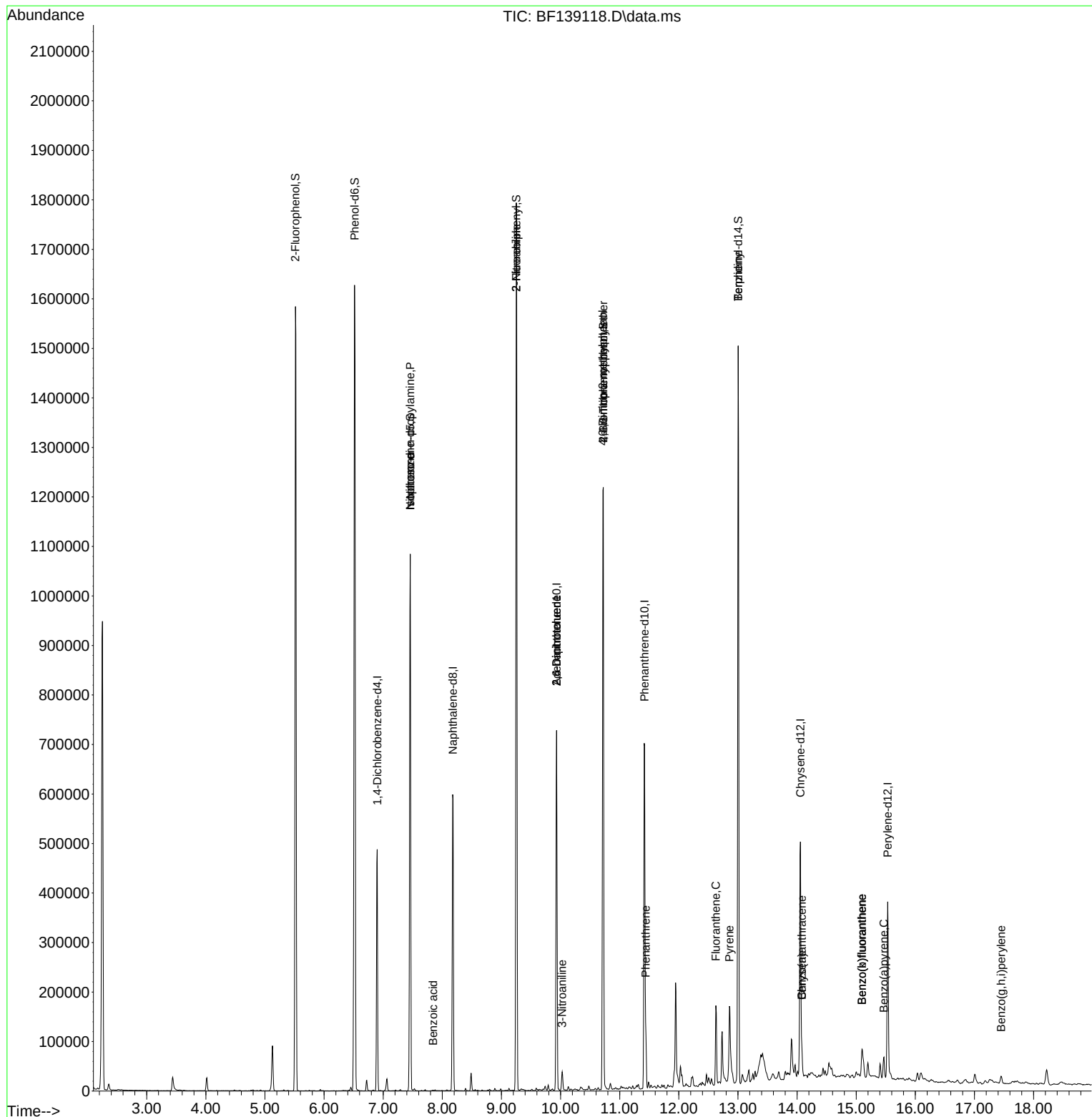
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	93886	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	363216	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	206333	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	363483	20.000	ng	0.00
76) Chrysene-d12	14.057	240	194565	20.000	ng	0.00
86) Perylene-d12	15.533	264	198854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	554593	90.882	ng	0.00
7) Phenol-d6	6.516	99	744326	94.397	ng	0.00
23) Nitrobenzene-d5	7.457	82	486748	78.088	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	193463	103.572	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	759925	58.435	ng	0.00
79) Terphenyl-d14	13.004	244	691028	58.932	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	67611	13.057	ng	# 79
25) Isophorone	7.457	82	485609	36.653	ng	# 69
32) Benzoic acid	7.845	122	411	8.444	ng	# 79
48) 2-Nitroaniline	9.251	65	1456	6.047	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	27274	14.187	ng	# 17
53) 3-Nitroaniline	10.028	138	224	4.254	ng	# 1
57) 2,4-Dinitrotoluene	9.933	165	27274	13.076	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	434	6.831	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13292	3.451	ng	# 1
71) Phenanthrene	11.439	178	59482	3.220	ng	98
75) Fluoranthene	12.627	202	85348	4.328	ng	99
77) Benzidine	13.004	184	10035	2.497	ng	# 94
78) Pyrene	12.857	202	75995	4.680	ng	100
81) Benzo(a)anthracene	14.080	228	28850	2.256	ng	93
83) Chrysene	14.080	228	28850	2.489	ng	96
88) Benzo(b)fluoranthene	15.098	252	46848	3.614	ng	98
89) Benzo(k)fluoranthene	15.098	252	46848	4.339	ng	98
90) Benzo(a)pyrene	15.468	252	24673	2.409	ng	98
92) Benzo(g,h,i)perylene	17.451	276	13835	3.988	ng	99

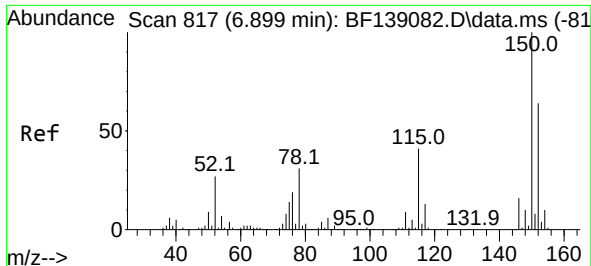
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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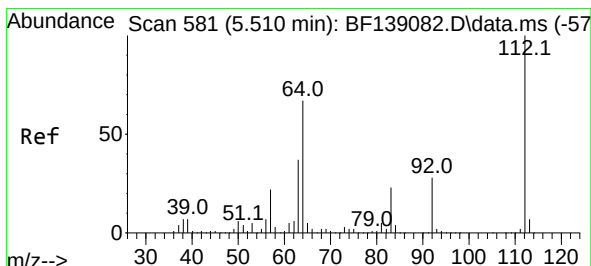
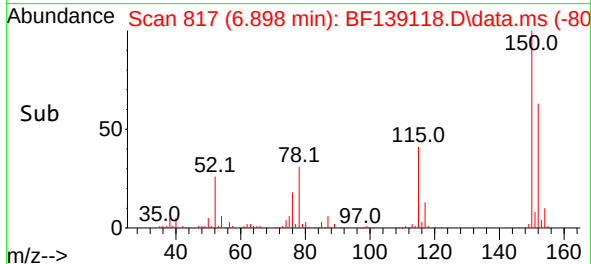
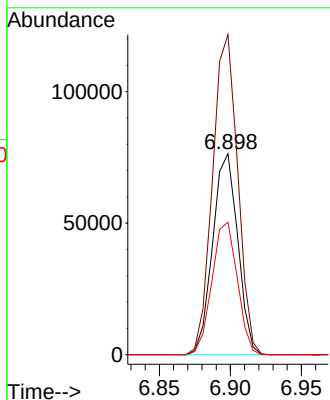
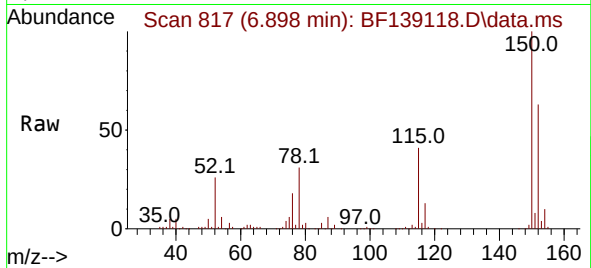




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

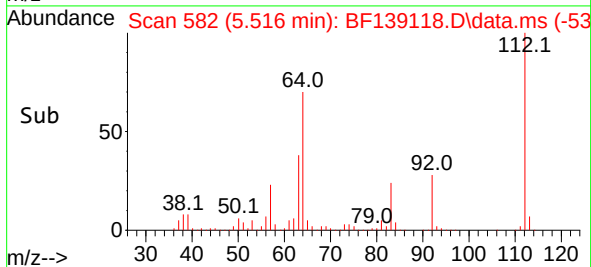
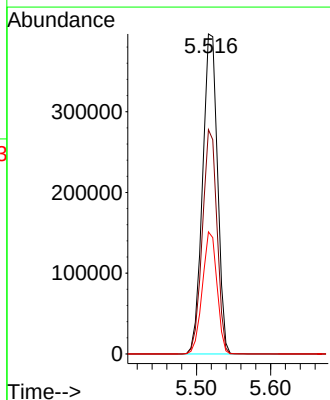
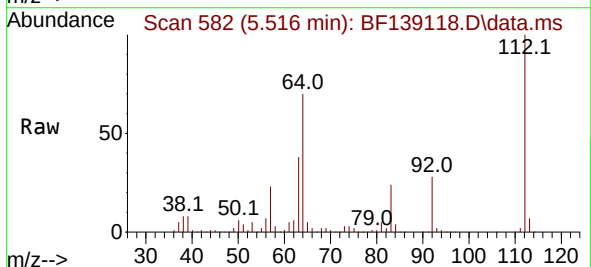
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

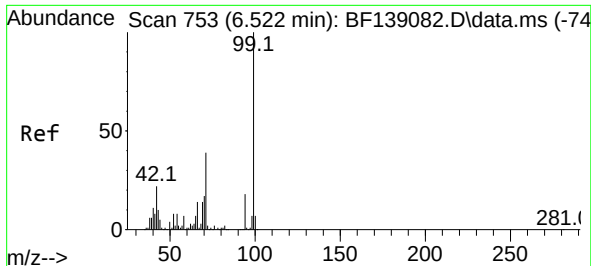
Tgt Ion:152 Resp: 93886
Ion Ratio Lower Upper
152 100
150 159.2 125.1 187.7
115 65.9 51.8 77.6



#5
2-Fluorophenol
Concen: 90.882 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:112 Resp: 554593
Ion Ratio Lower Upper
112 100
64 70.1 53.8 80.6
63 38.2 29.4 44.2





#7

Phenol-d6

Concen: 94.397 ng

RT: 6.516 min Scan# 7

Delta R.T. -0.006 min

Lab File: BF139118.D

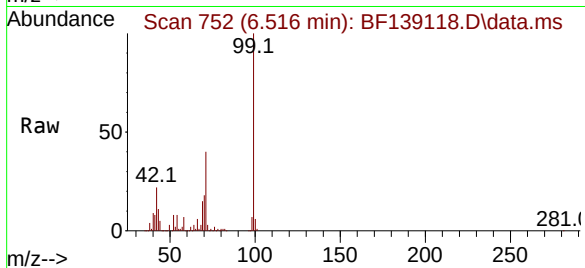
Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624



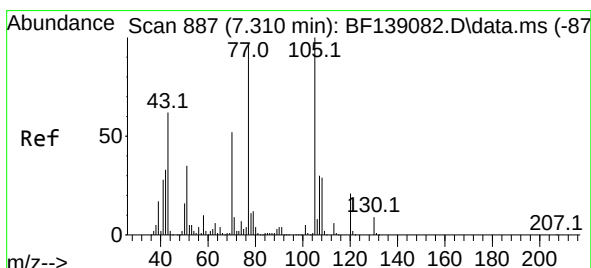
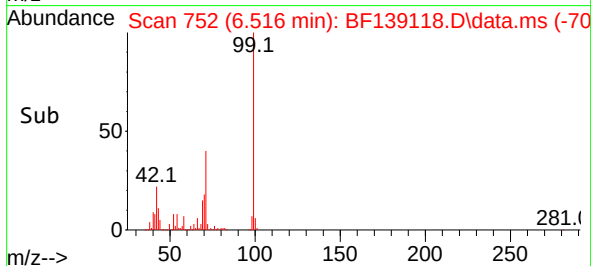
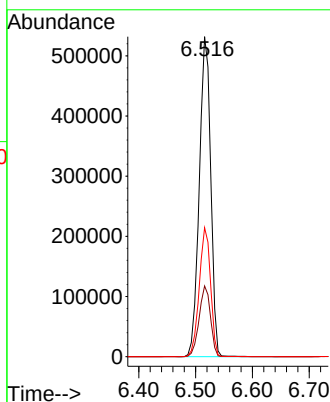
Tgt Ion: 99 Resp: 744326

Ion Ratio Lower Upper

99 100

42 22.1 17.4 26.2

71 40.3 31.2 46.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.057 ng

RT: 7.457 min Scan# 912

Delta R.T. 0.147 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Tgt Ion: 70 Resp: 67611

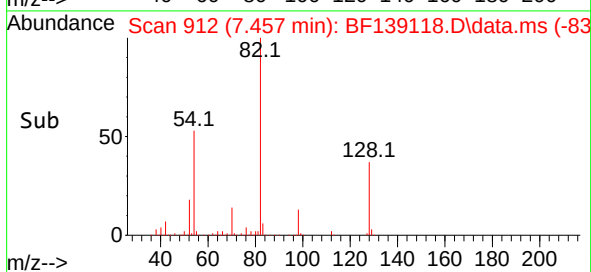
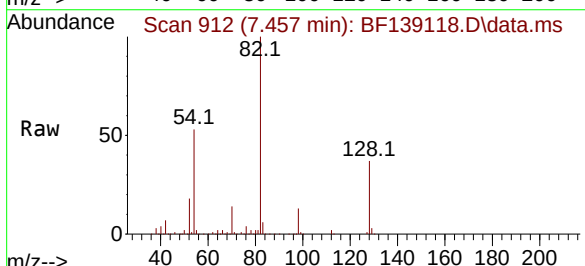
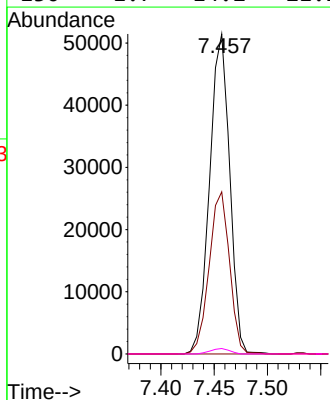
Ion Ratio Lower Upper

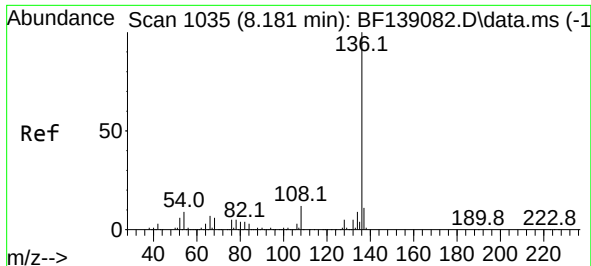
70 100

42 50.6 50.5 75.7

101 0.0 7.2 10.8#

130 1.7 14.2 21.2#

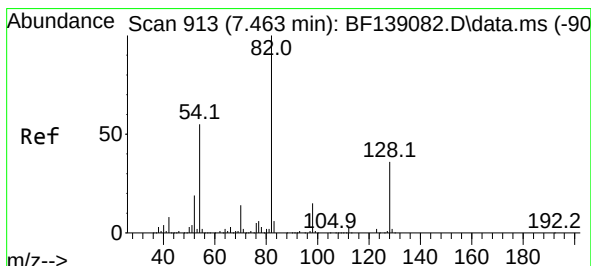
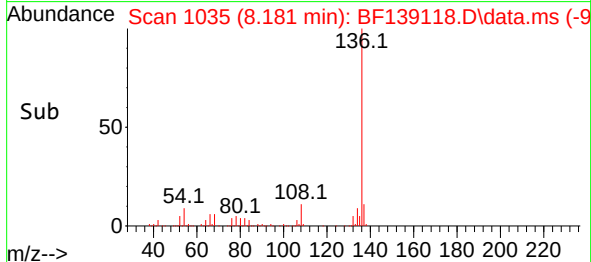
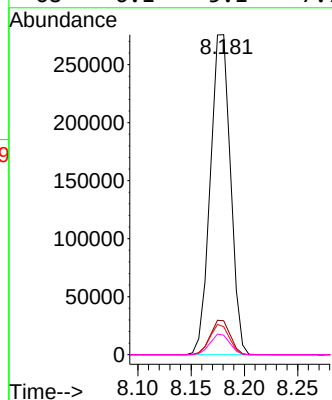
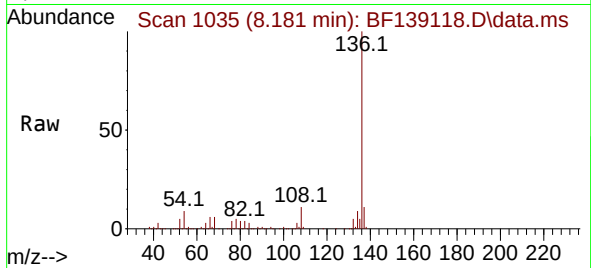




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

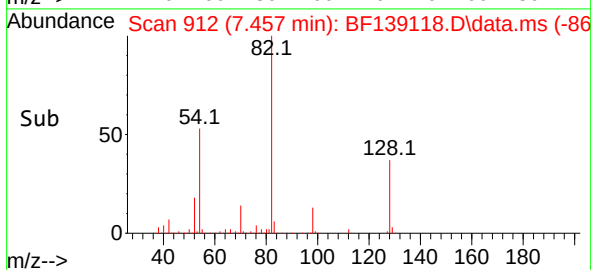
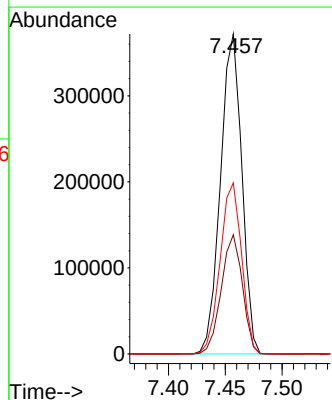
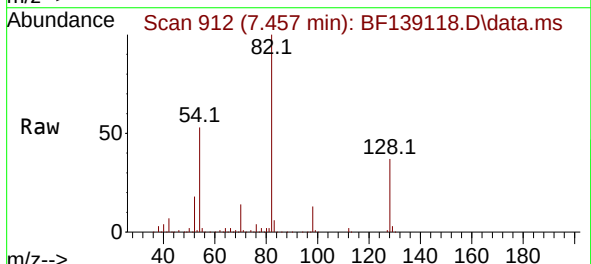
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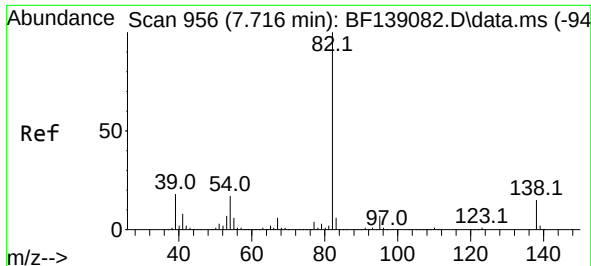
Tgt Ion:	136	Resp:	363216
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	8.8	7.6	11.4
68	6.1	5.1	7.7



#23
Nitrobenzene-d5
Concen: 78.088 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:	82	Resp:	486748
Ion	Ratio	Lower	Upper
82	100		
128	37.3	29.0	43.4
54	53.4	43.4	65.2

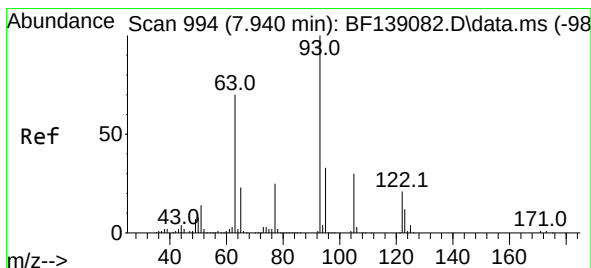
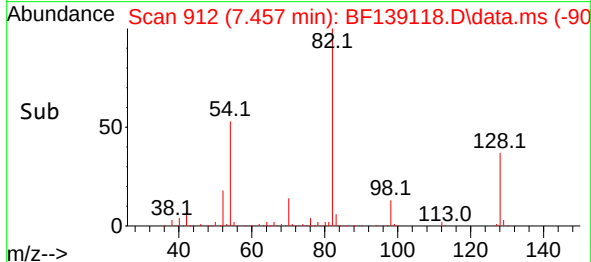
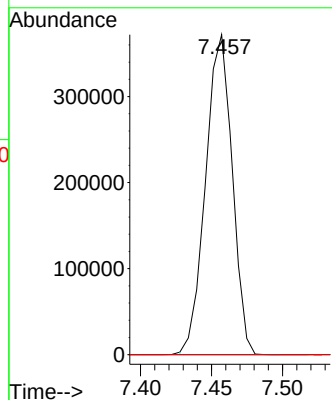
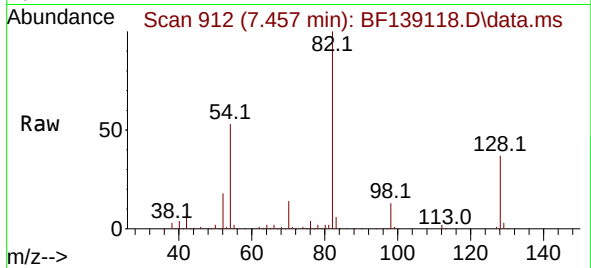




#25
Isophorone
Concen: 36.653 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

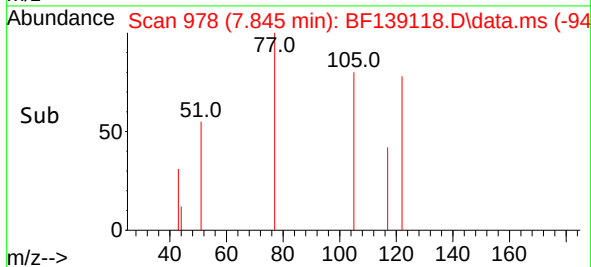
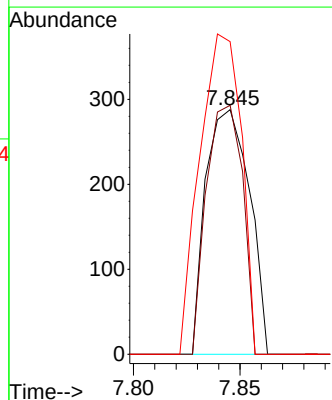
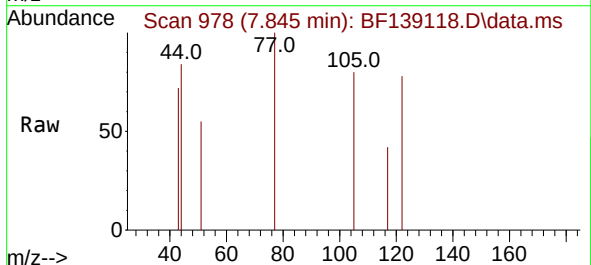
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

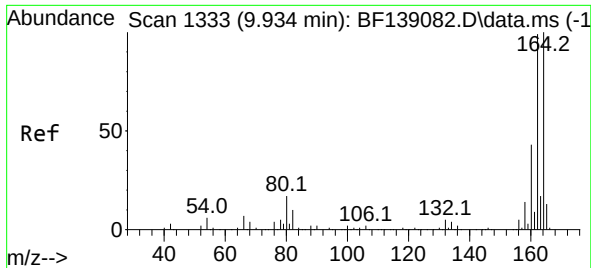
Tgt Ion: 82 Resp: 485609
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.444 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.095 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion: 122 Resp: 411
Ion Ratio Lower Upper
122 100
105 101.7 119.6 159.6#
77 127.8 97.6 137.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1333

Delta R.T. -0.001 min

Lab File: BF139118.D

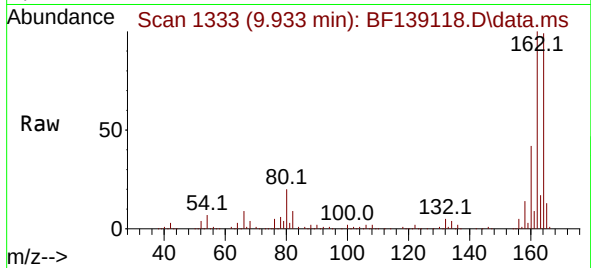
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Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624



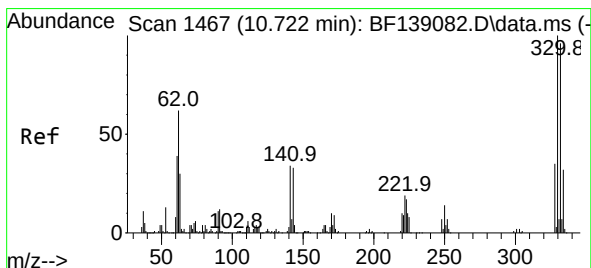
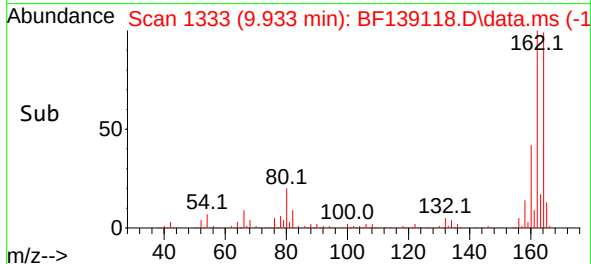
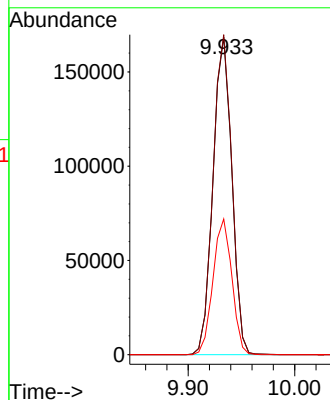
Tgt Ion:164 Resp: 206333

Ion Ratio Lower Upper

164 100

162 100.8 79.5 119.3

160 42.8 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 103.572 ng

RT: 10.722 min Scan# 1467

Delta R.T. -0.000 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

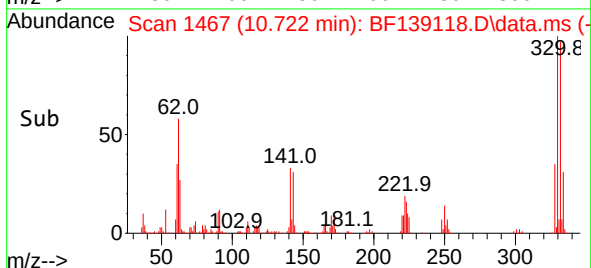
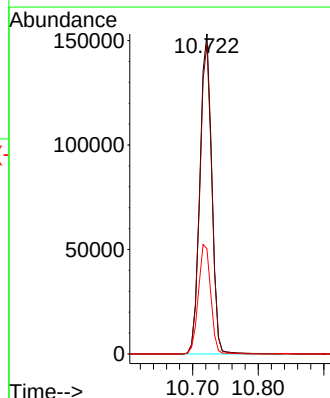
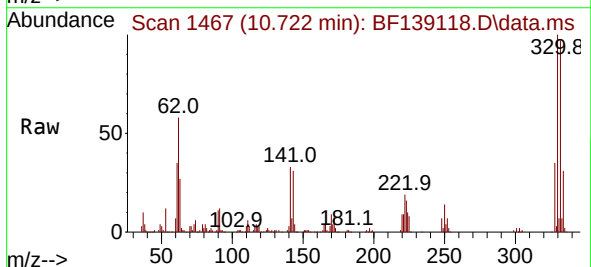
Tgt Ion:330 Resp: 193463

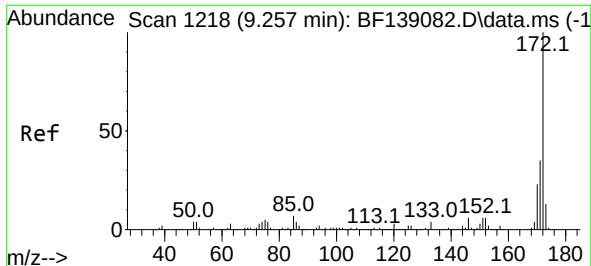
Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

141 35.5 27.5 41.3

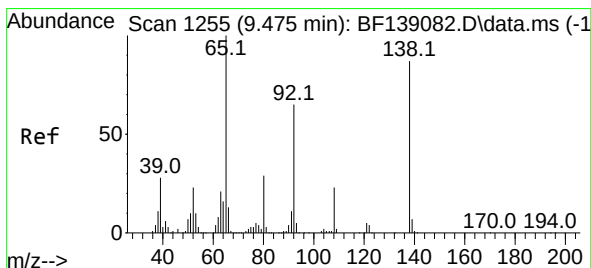
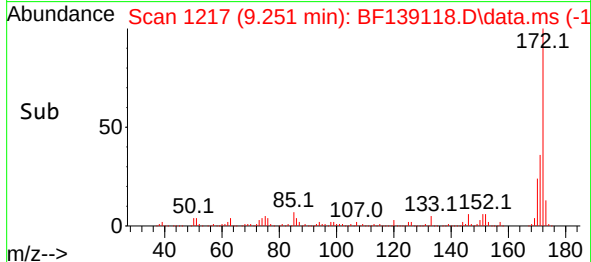
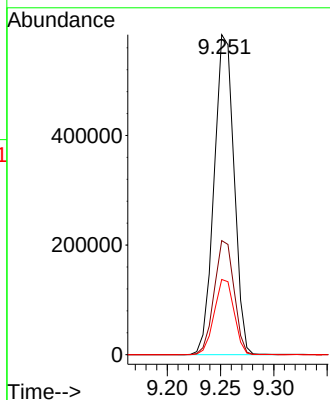
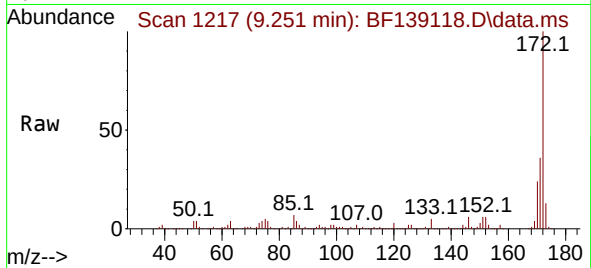




#45
2-Fluorobiphenyl
Concen: 58.435 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

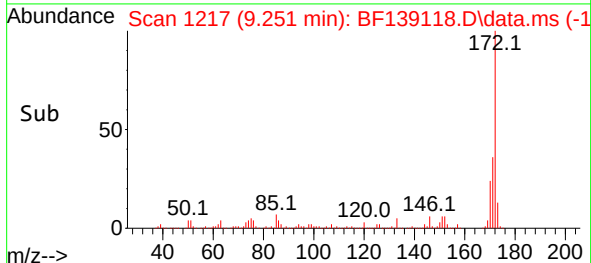
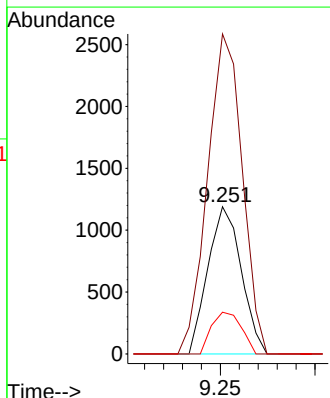
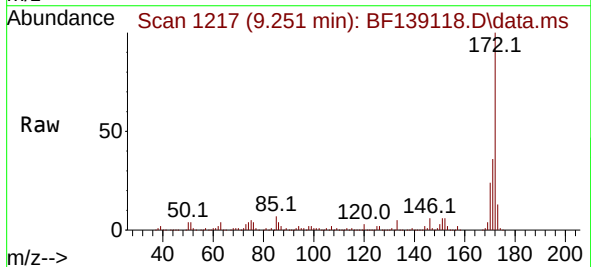
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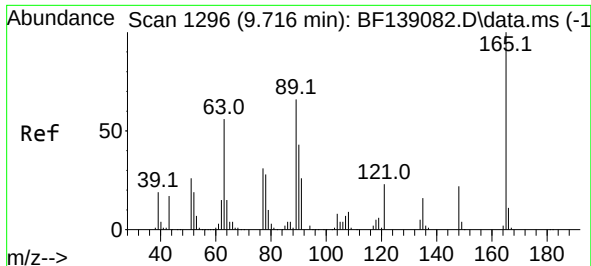
Tgt Ion:172 Resp: 759925
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.5 18.8 28.2



#48
2-Nitroaniline
Concen: 6.047 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.224 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion: 65 Resp: 1456
Ion Ratio Lower Upper
65 100
92 217.5 52.4 78.6#
138 28.3 69.4 104.0#

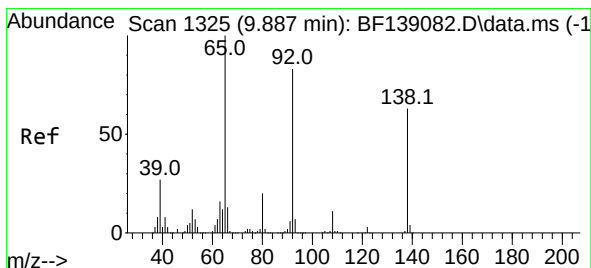
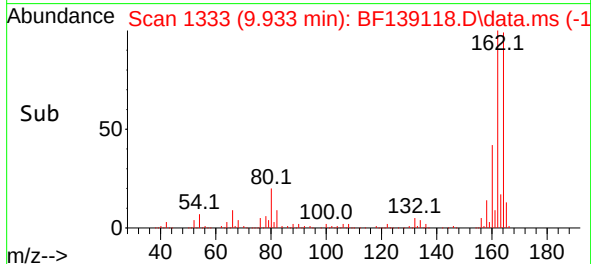
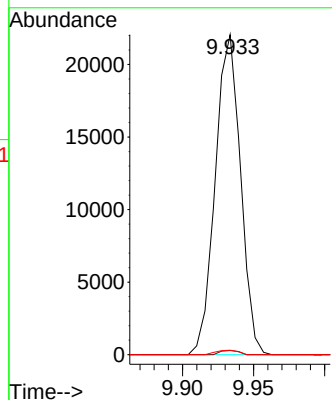
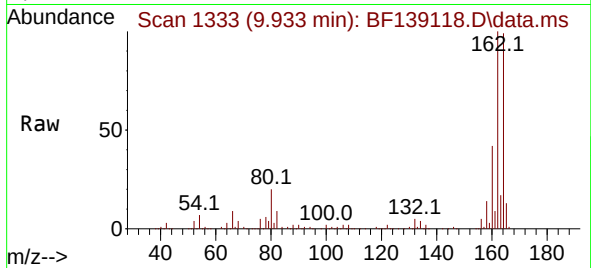




#51
2,6-Dinitrotoluene
Concen: 14.187 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

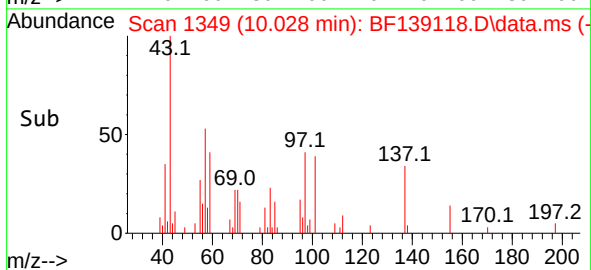
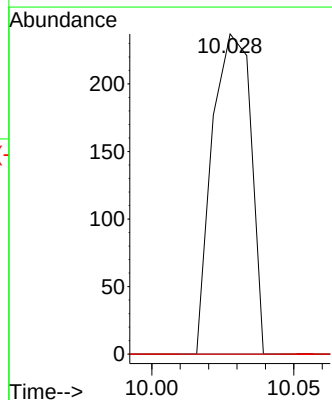
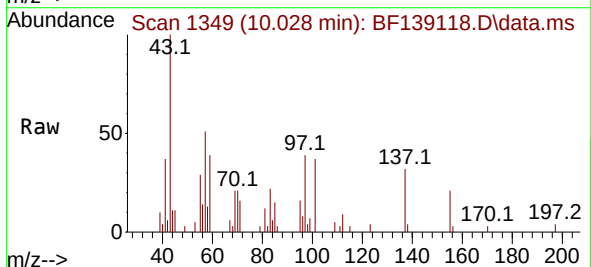
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

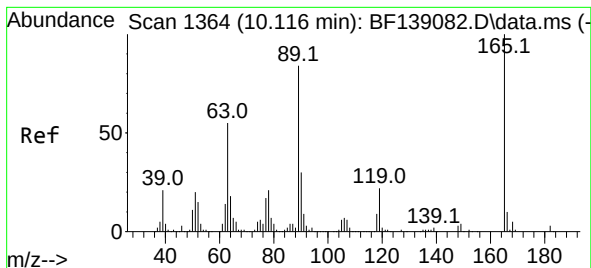
Tgt Ion:165 Resp: 27274
Ion Ratio Lower Upper
165 100
63 1.3 58.0 87.0#
89 1.4 53.3 79.9#



#53
3-Nitroaniline
Concen: 4.254 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.141 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:138 Resp: 224
Ion Ratio Lower Upper
138 100
108 0.0 14.6 21.8#
92 0.0 105.9 158.9#

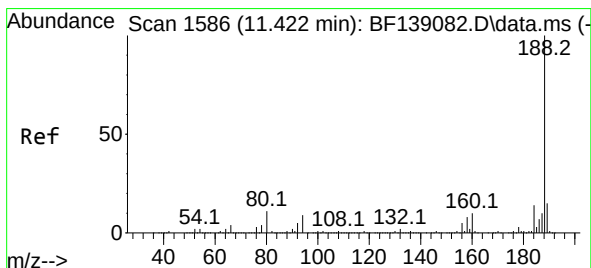
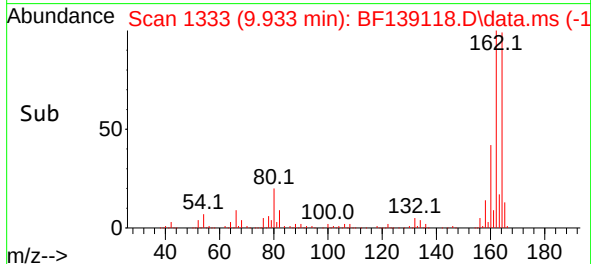
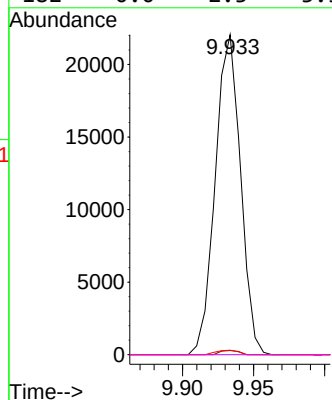
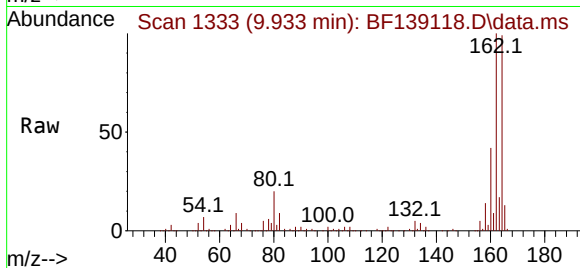




#57
2,4-Dinitrotoluene
Concen: 13.076 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

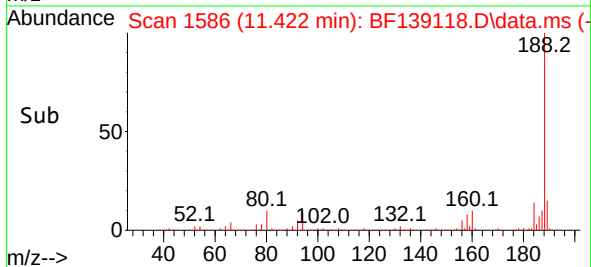
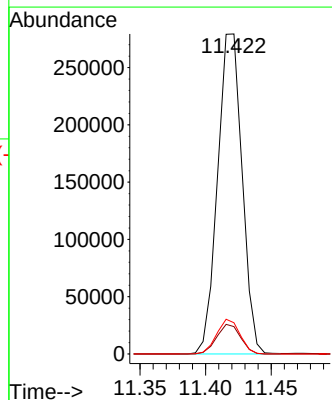
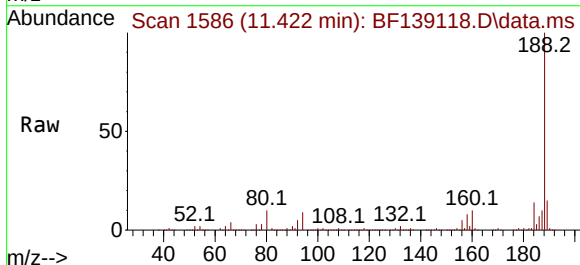
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

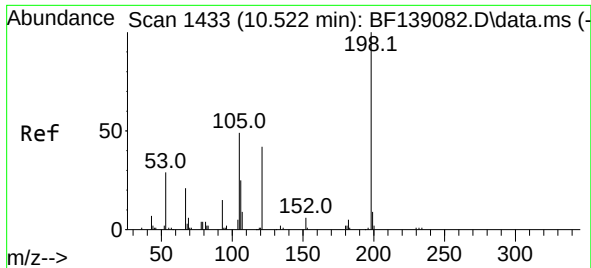
Tgt Ion:165	Resp:	27274
Ion	Ratio	Lower Upper
165	100	
63	1.3	44.2 66.4#
89	1.4	67.4 101.2#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:188	Resp:	363483
Ion	Ratio	Lower Upper
188	100	
94	8.6	7.2 10.8
80	9.7	8.5 12.7

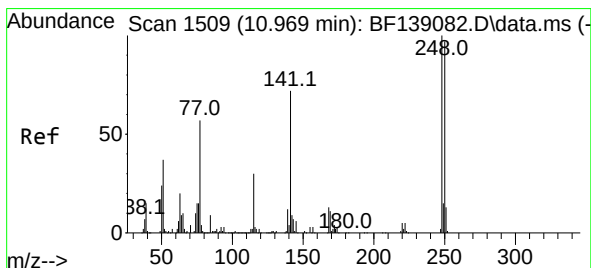
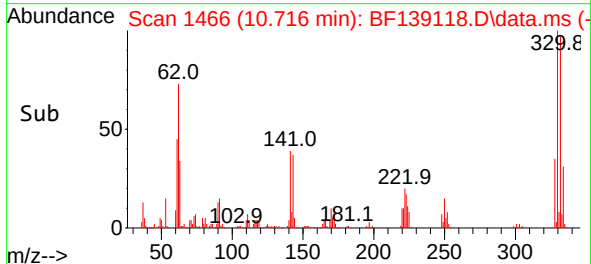
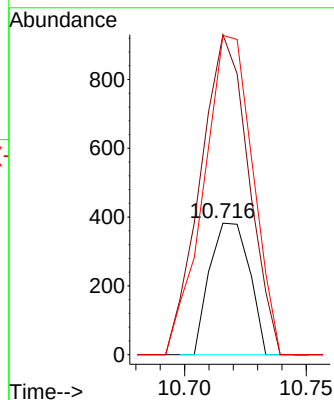
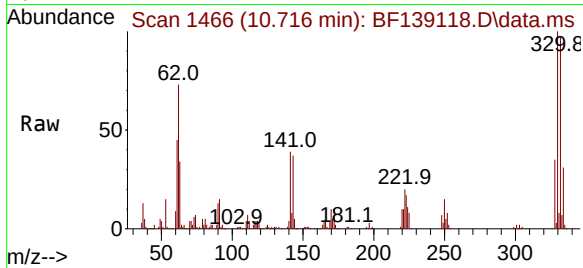




#65
4,6-Dinitro-2-methylphenol
Concen: 6.831 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.194 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

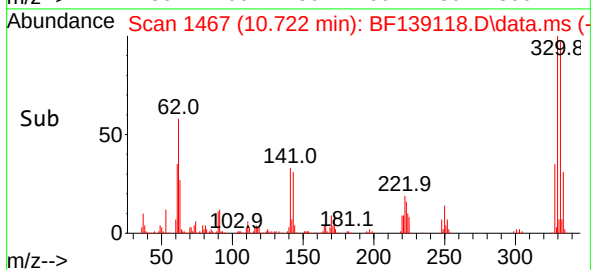
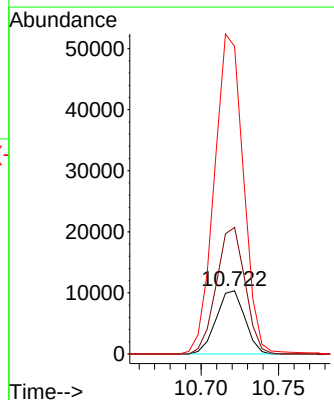
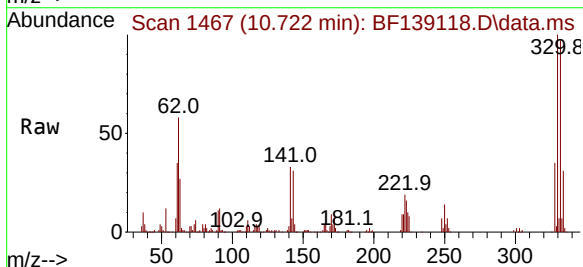
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

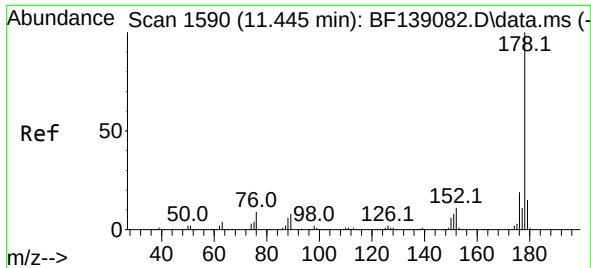
Tgt Ion:	198	Resp:	434
Ion	Ratio	Lower	Upper
198	100		
51	243.5	40.8	80.8#
105	242.9	30.9	70.9#



#67
4-Bromophenyl-phenylether
Concen: 3.451 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.247 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:	248	Resp:	13292
Ion	Ratio	Lower	Upper
248	100		
250	200.1	77.8	116.8#
141	486.0	57.9	86.9#

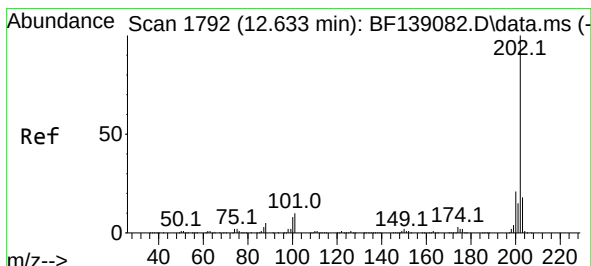
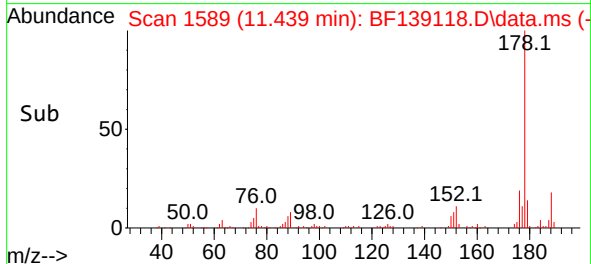
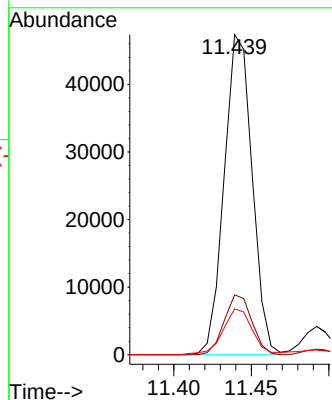
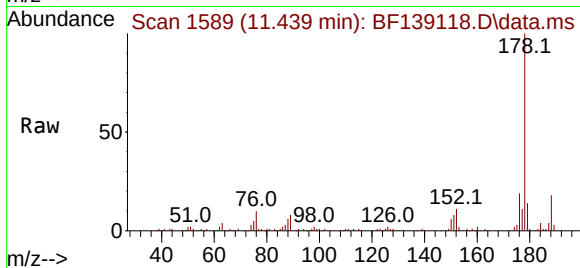




#71
Phenanthrene
Concen: 3.220 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

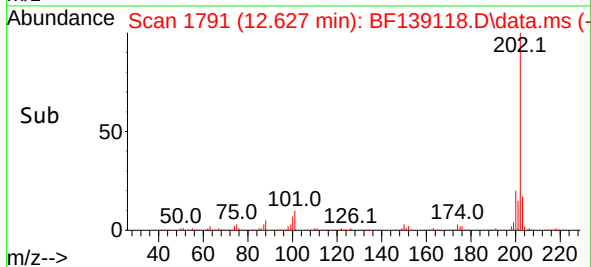
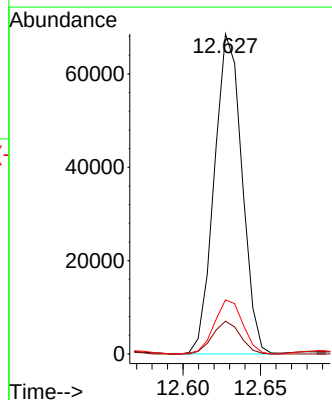
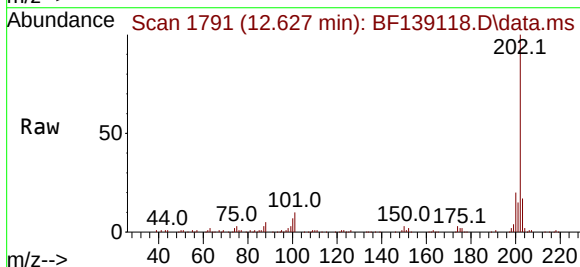
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

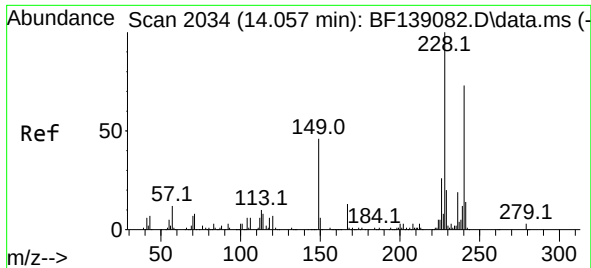
Tgt Ion:178 Resp: 59482
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 14.3 12.3 18.5



#75
Fluoranthene
Concen: 4.328 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:202 Resp: 85348
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.2
203 16.9 0.0 37.6

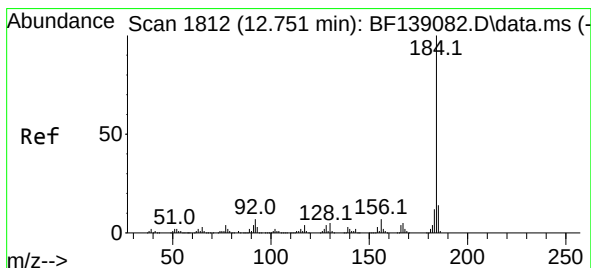
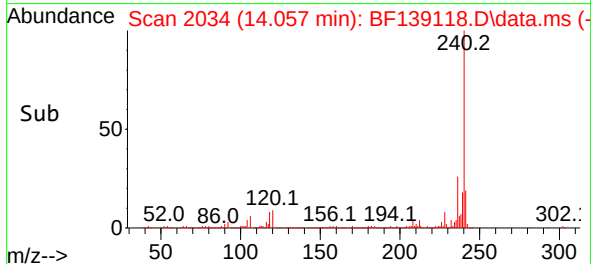
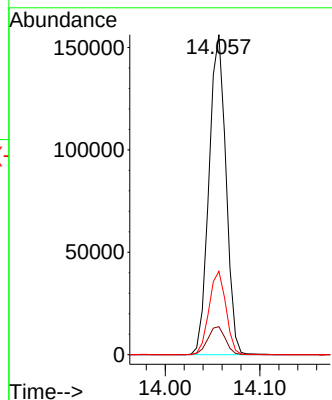
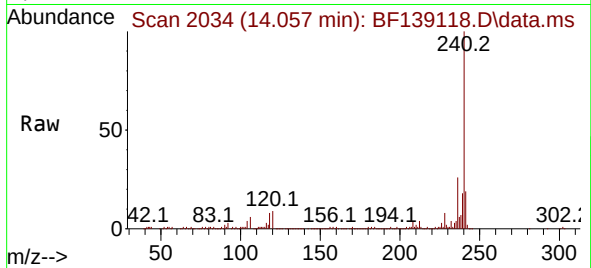




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

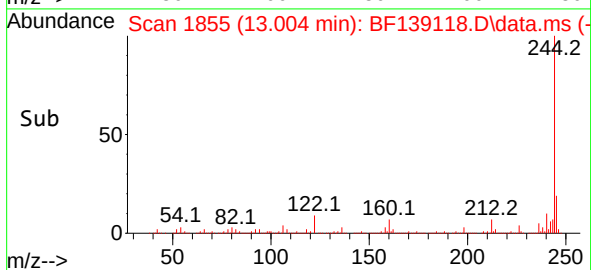
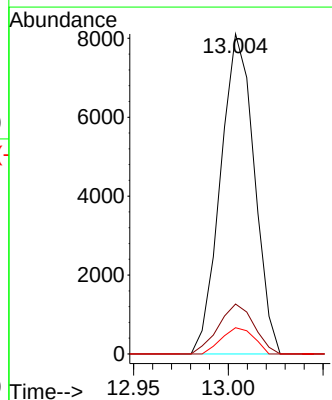
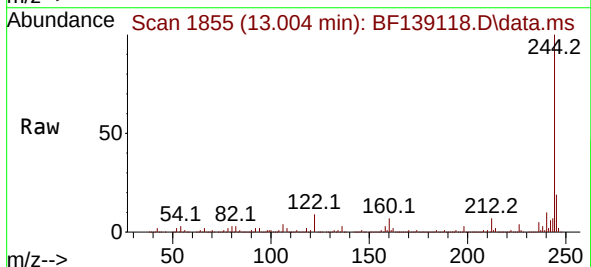
Instrument :
BNA_F
ClientSampleId :
914-J-SD-0-0.5-081624

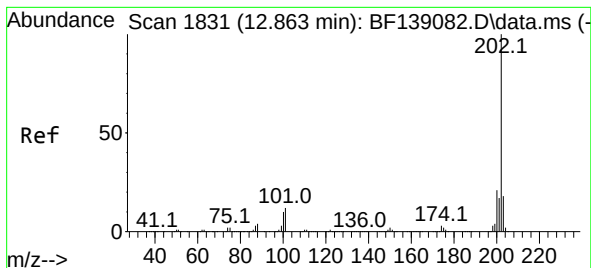
Tgt Ion:240 Resp: 194565
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 26.1 20.9 31.3



#77
Benzidine
Concen: 2.497 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.253 min
Lab File: BF139118.D
Acq: 22 Aug 2024 12:52

Tgt Ion:184 Resp: 10035
Ion Ratio Lower Upper
184 100
185 15.6 11.5 17.3
183 8.2 9.8 14.6#





#78

Pyrene

Concen: 4.680 ng

RT: 12.857 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

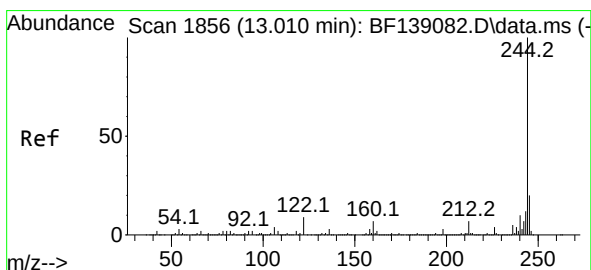
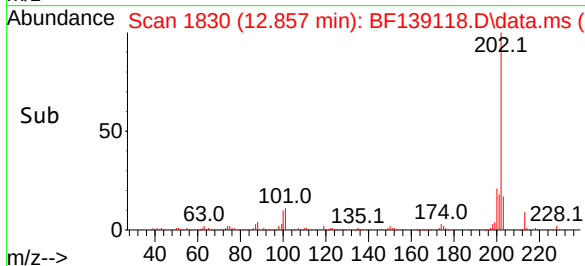
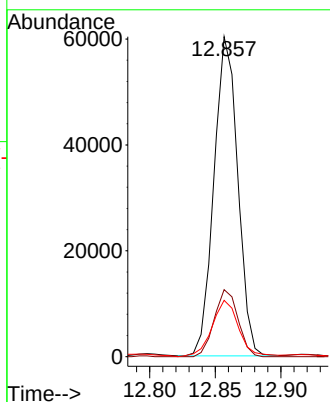
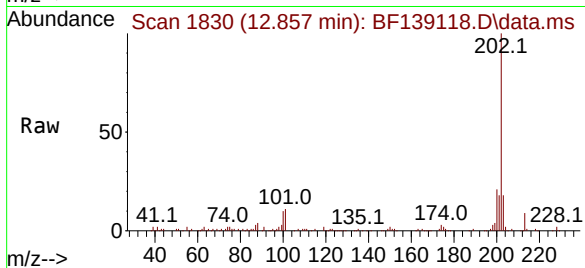
Tgt Ion:202 Resp: 75995

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 58.932 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

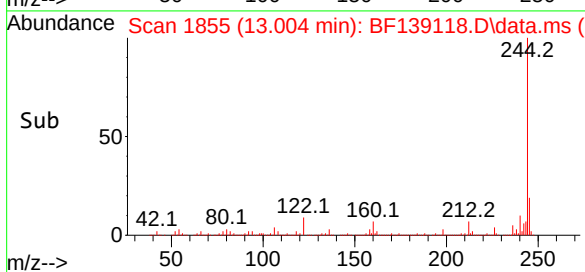
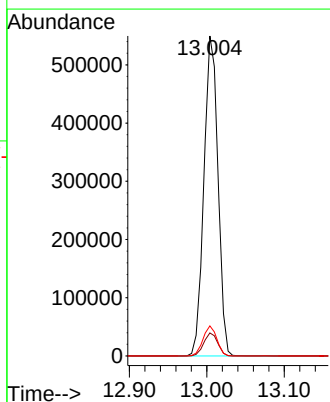
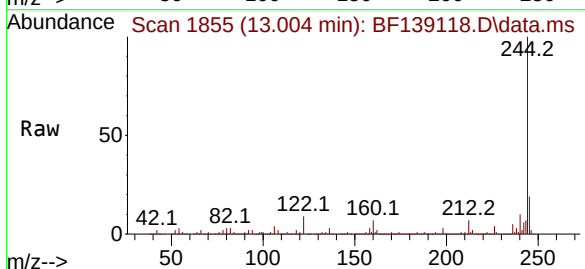
Tgt Ion:244 Resp: 691028

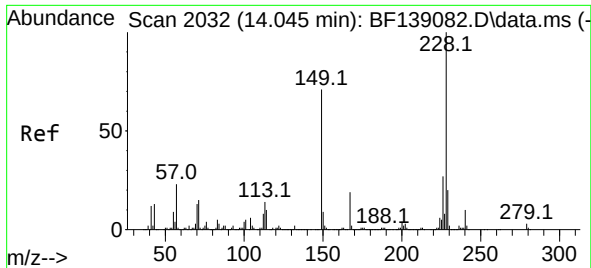
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.4 7.6 11.4





#81

Benzo(a)anthracene

Concen: 2.256 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.035 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

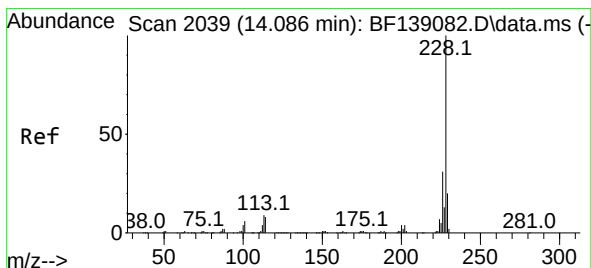
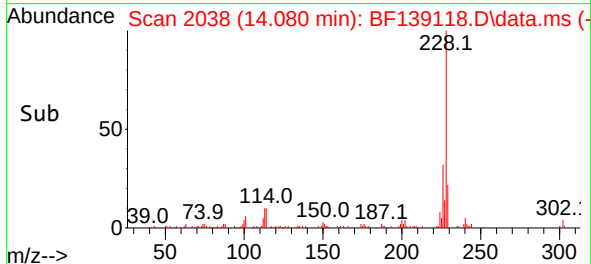
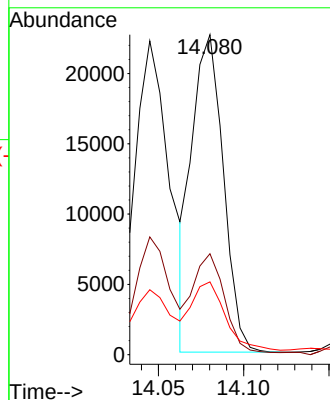
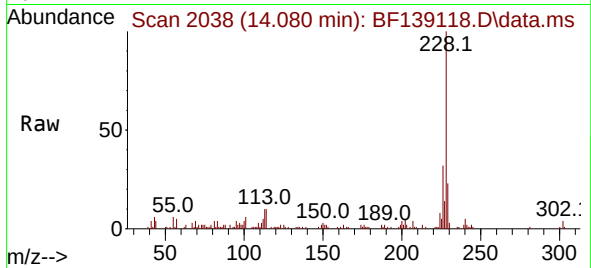
Tgt Ion:228 Resp: 28850

Ion Ratio Lower Upper

228 100

226 31.5 21.9 32.9

229 22.7 16.1 24.1



#83

Chrysene

Concen: 2.489 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

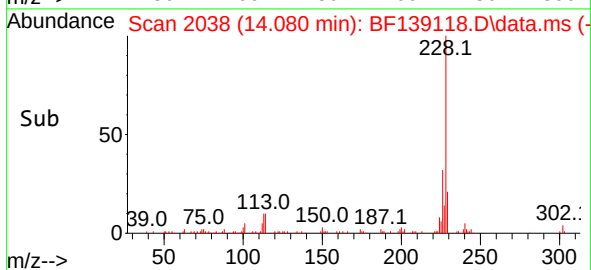
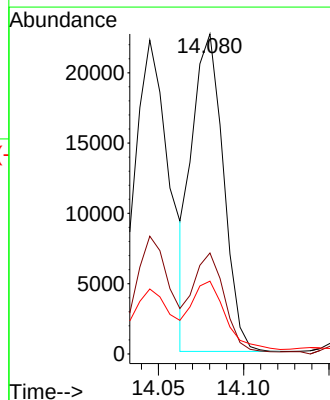
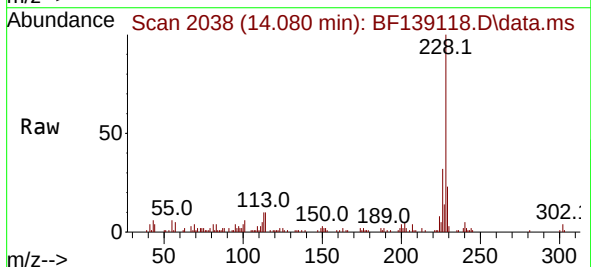
Tgt Ion:228 Resp: 28850

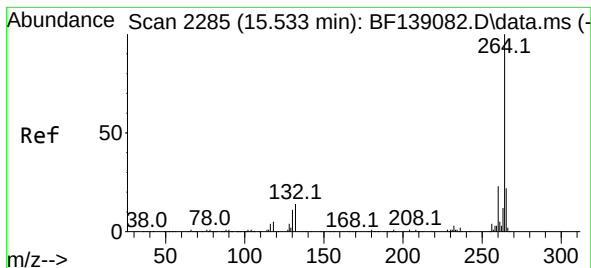
Ion Ratio Lower Upper

228 100

226 31.5 24.3 36.5

229 22.7 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: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

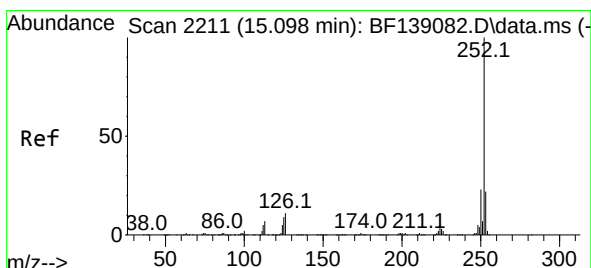
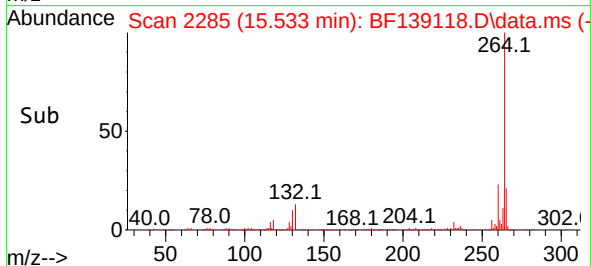
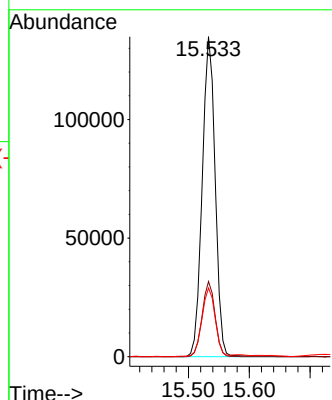
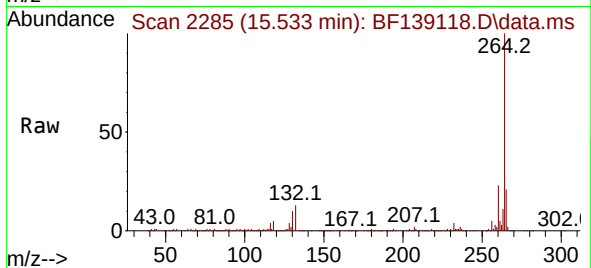
Tgt Ion:264 Resp: 198854

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.5 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.614 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

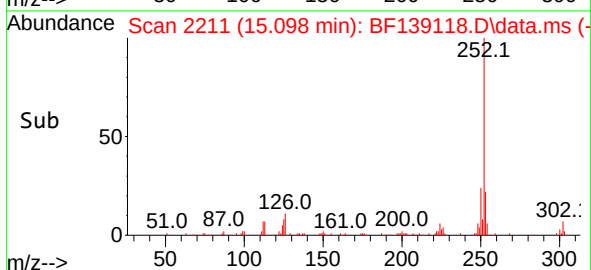
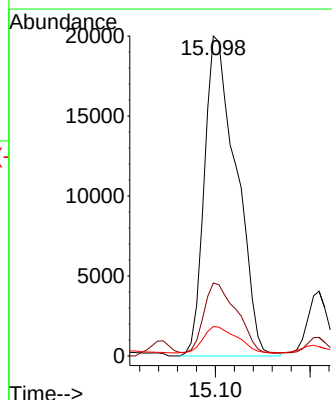
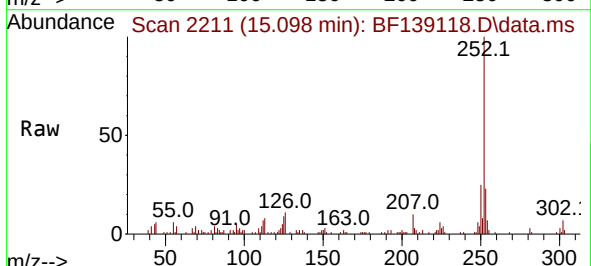
Tgt Ion:252 Resp: 46848

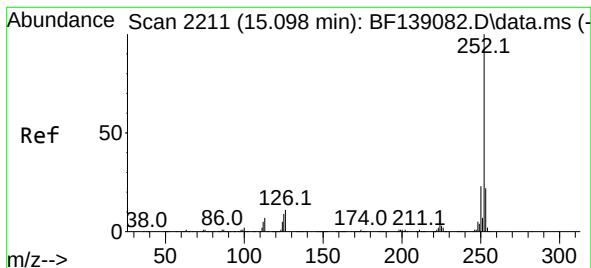
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 9.2 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 4.339 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

Instrument :

BNA_F

ClientSampleId :

914-J-SD-0-0.5-081624

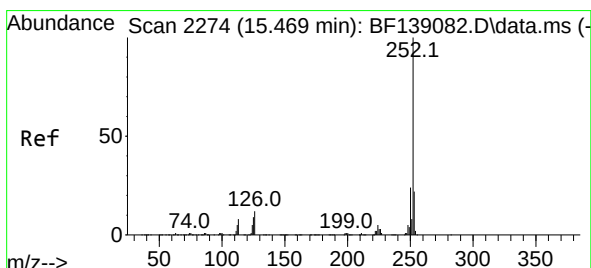
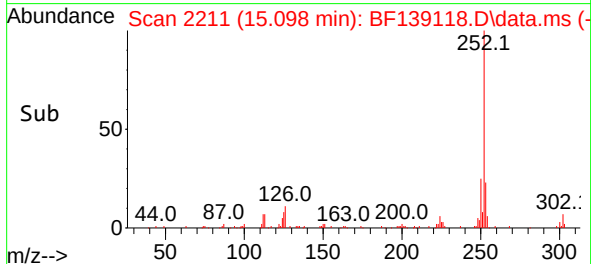
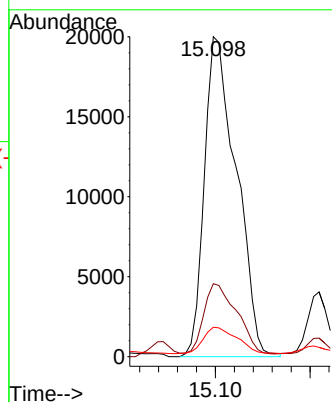
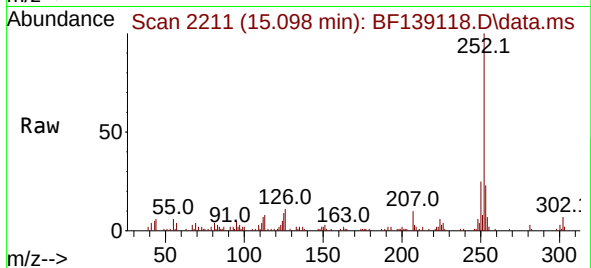
Tgt Ion:252 Resp: 46848

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 9.2 7.0 10.6



#90

Benzo(a)pyrene

Concen: 2.409 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF139118.D

Acq: 22 Aug 2024 12:52

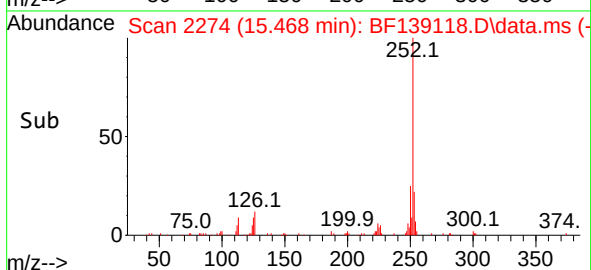
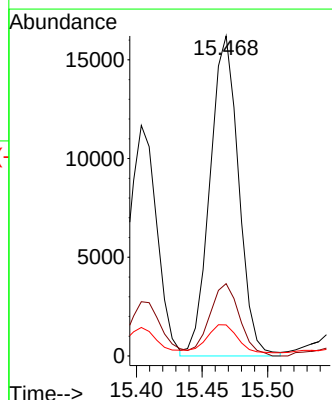
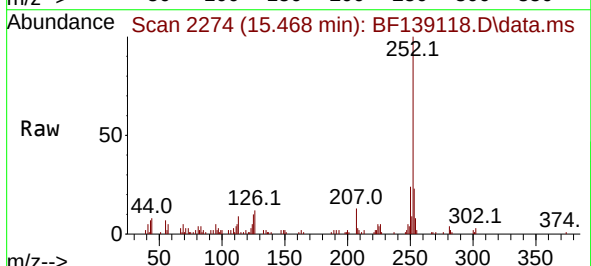
Tgt Ion:252 Resp: 24673

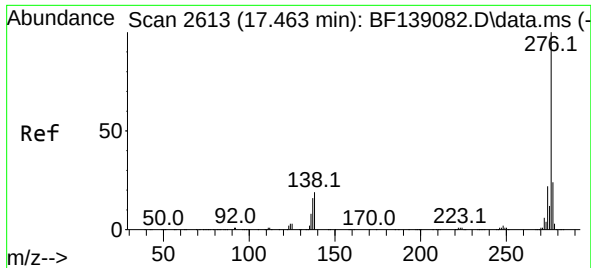
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

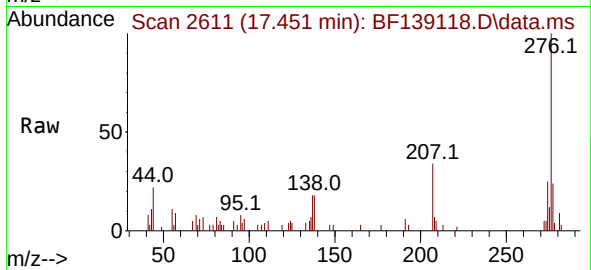
125 9.7 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.988 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF139118.D
 Acq: 22 Aug 2024 12:52

Instrument :
 BNA_F
 ClientSampleId :
 914-J-SD-0-0.5-081624



Tgt Ion:	276	Resp:	13835
Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	18.1	15.0	22.4

