

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139191.D
 Acq On : 27 Aug 2024 17:21
 Operator : RC/JU
 Sample : P3732-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UI-3

Quant Time: Aug 28 00:48:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

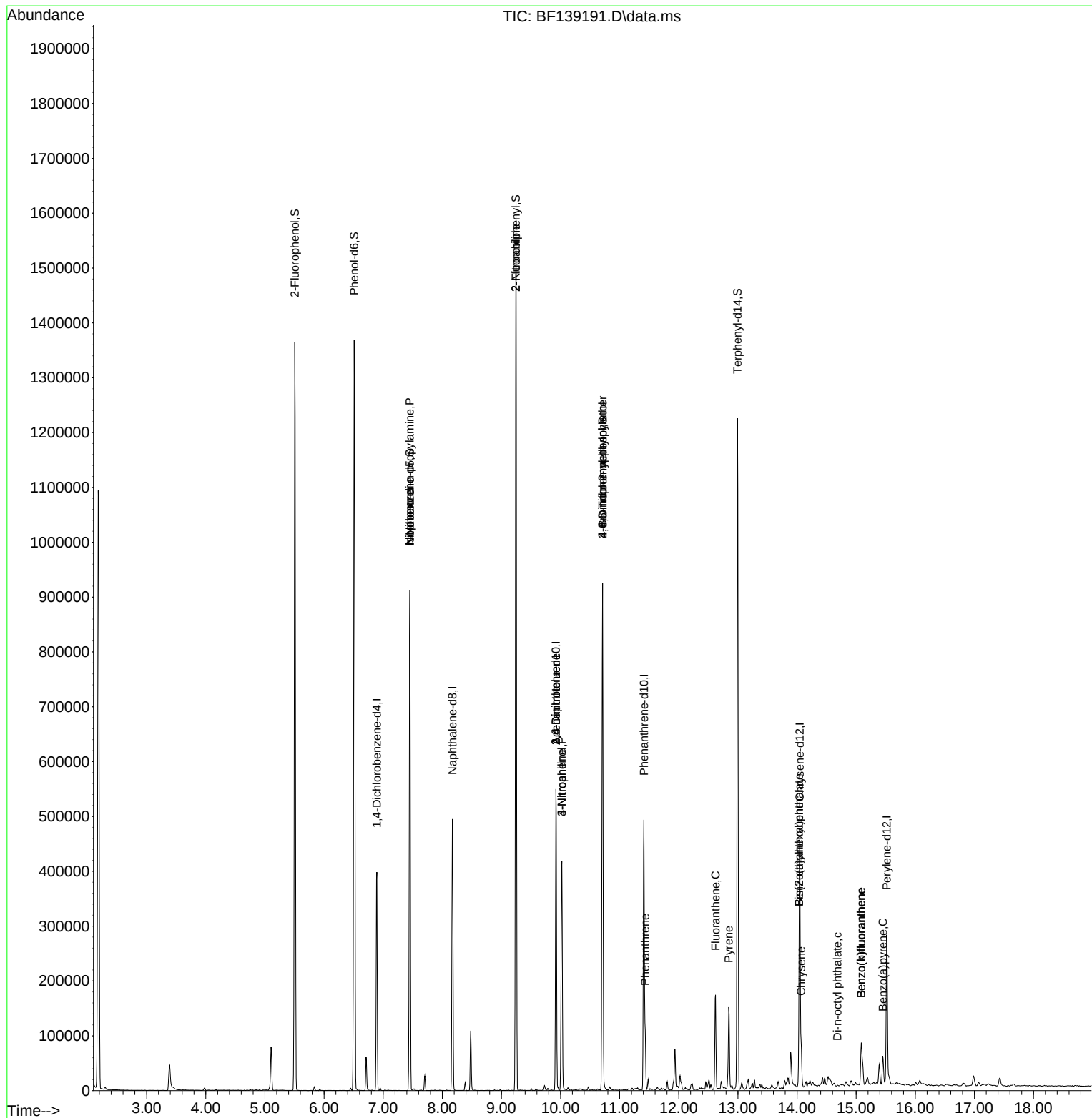
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	78928	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	288745	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158381	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	246137	20.000	ng	0.00
76) Chrysene-d12	14.045	240	173657	20.000	ng	0.00
86) Perylene-d12	15.515	264	155996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	464907	98.978	ng	0.00
7) Phenol-d6	6.510	99	616197	95.589	ng	-0.01
23) Nitrobenzene-d5	7.451	82	400376	76.818	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	138459	102.074	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	658353	64.569	ng	0.00
79) Terphenyl-d14	12.992	244	577856	51.921	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.451	70	54803	14.214	ng	# 79
24) Nitrobenzene	7.451	77	1447	3.478	ng	# 43
25) Isophorone	7.451	82	399939	38.803	ng	# 68
48) 2-Nitroaniline	9.245	65	1349	6.220	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	20638	14.594	ng	# 14
53) 3-Nitroaniline	10.022	138	3674	6.107	ng	# 1
56) 4-Nitrophenol	10.022	139	475	5.425	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	20638	13.212	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.710	198	335	7.261	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9850	3.766	ng	# 1
71) Phenanthrene	11.433	178	56954	4.579	ng	99
75) Fluoranthene	12.622	202	96195	7.969	ng	99
78) Pyrene	12.845	202	85914	5.267	ng	99
81) Benzo(a)anthracene	14.033	228	44237	3.845	ng	96
83) Chrysene	14.069	228	41888	4.036	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	3068	4.121	ng	# 97
85) Di-n-octyl phthalate	14.680	149	195	8.973	ng	# 1
88) Benzo(b)fluoranthene	15.086	252	66948	7.336	ng	99
89) Benzo(k)fluoranthene	15.086	252	66948	8.115	ng	99
90) Benzo(a)pyrene	15.451	252	30445	3.931	ng	96

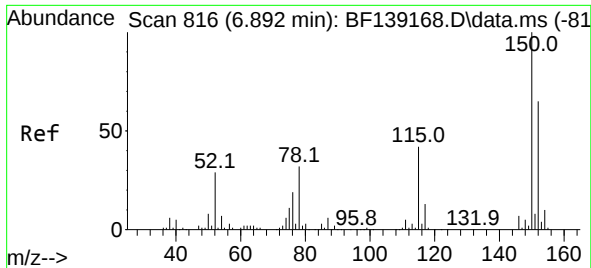
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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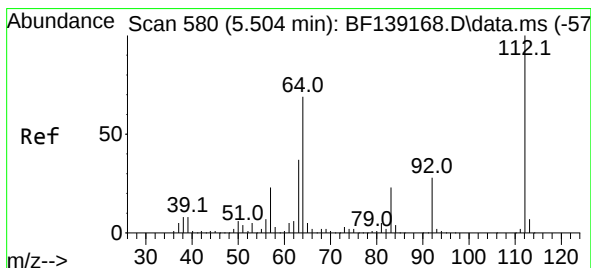
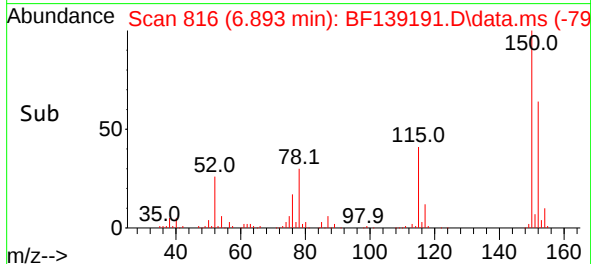
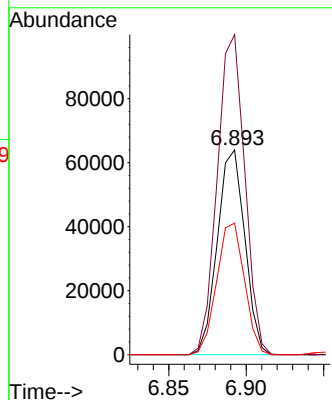
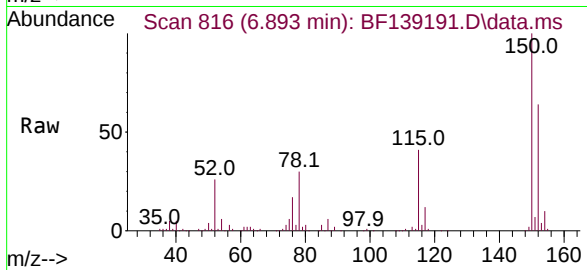




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

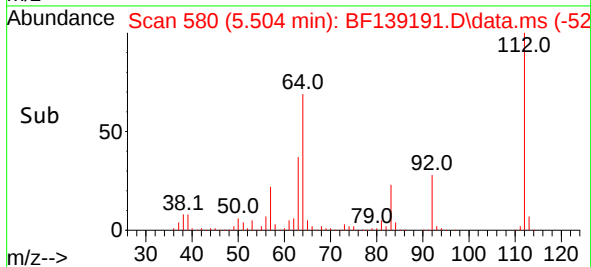
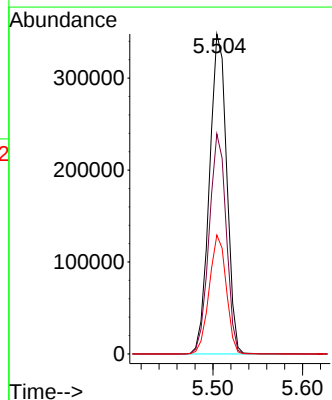
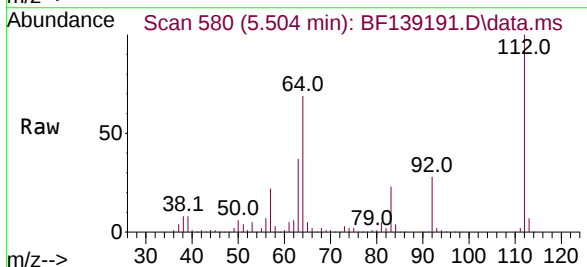
Instrument :
BNA_F
ClientSampleId :
UI-3

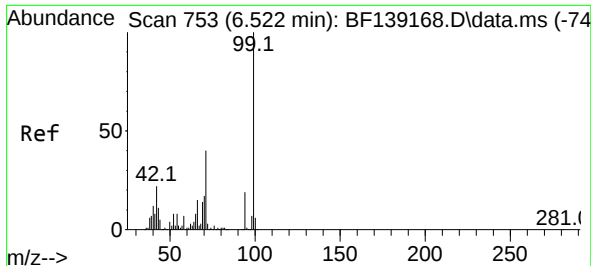
Tgt Ion:152 Resp: 78928
Ion Ratio Lower Upper
152 100
150 156.3 123.7 185.5
115 64.2 51.8 77.8



#5
2-Fluorophenol
Concen: 98.978 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:112 Resp: 464907
Ion Ratio Lower Upper
112 100
64 68.8 55.5 83.3
63 37.2 29.8 44.6

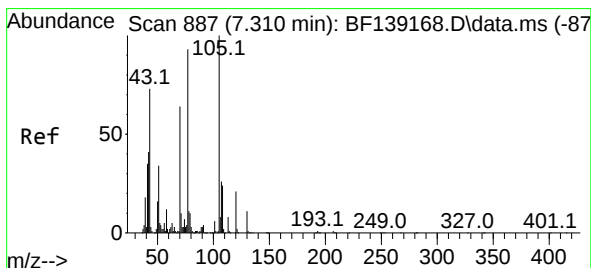
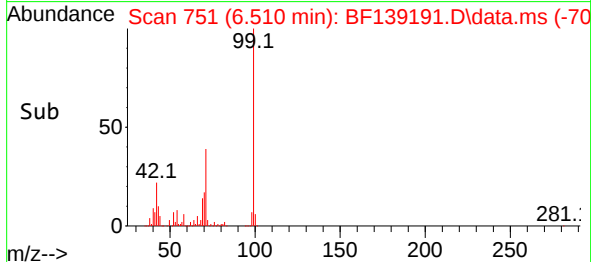
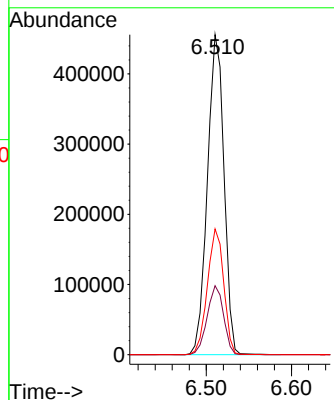
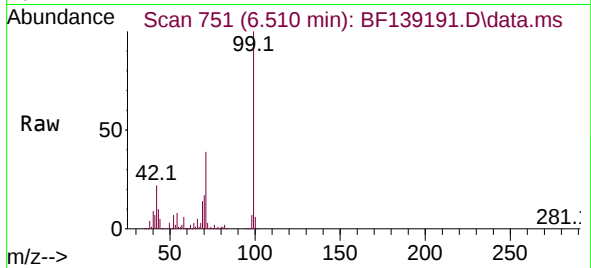




#7
Phenol-d6
Concen: 95.589 ng
RT: 6.510 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

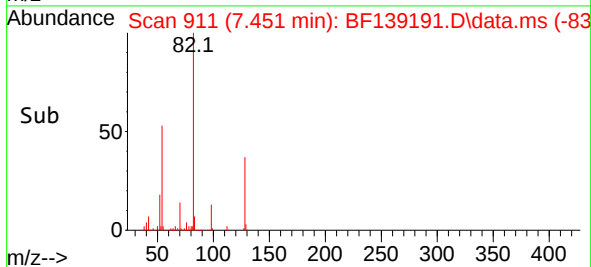
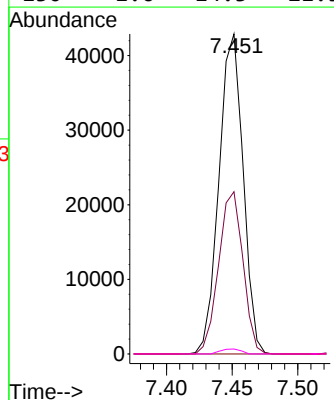
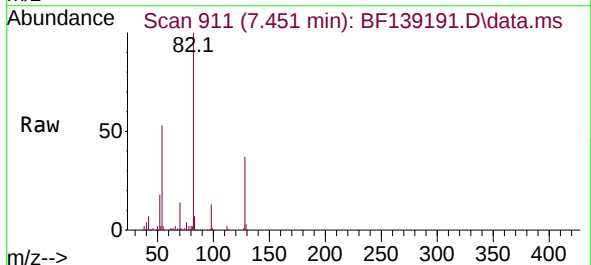
Instrument :
BNA_F
ClientSampleId :
UI-3

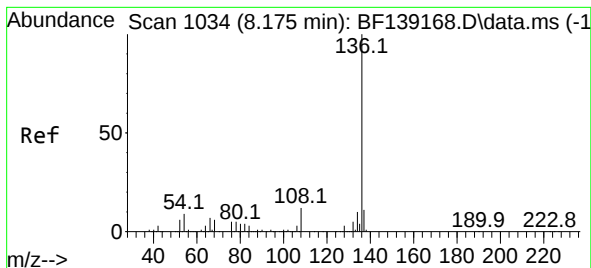
Tgt Ion: 99 Resp: 616197
Ion Ratio Lower Upper
99 100
42 21.5 17.9 26.9
71 39.3 31.7 47.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.214 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion: 70 Resp: 54803
Ion Ratio Lower Upper
70 100
42 50.7 50.8 76.2#
101 0.0 7.4 11.0#
130 1.6 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

UI-3

Tgt Ion:136 Resp: 288745

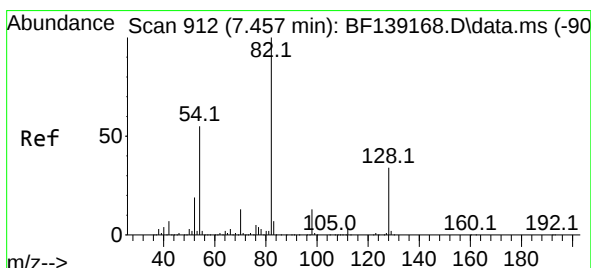
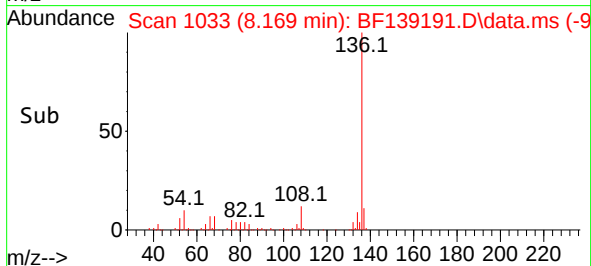
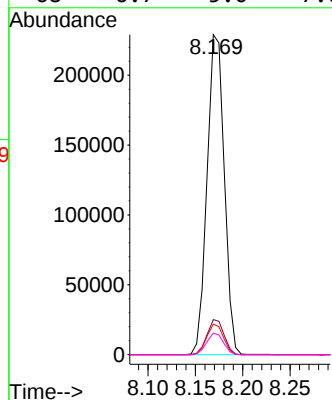
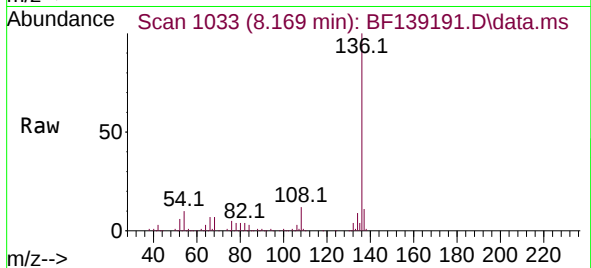
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.6 7.6 11.4

68 6.7 5.0 7.6



#23

Nitrobenzene-d5

Concen: 76.818 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

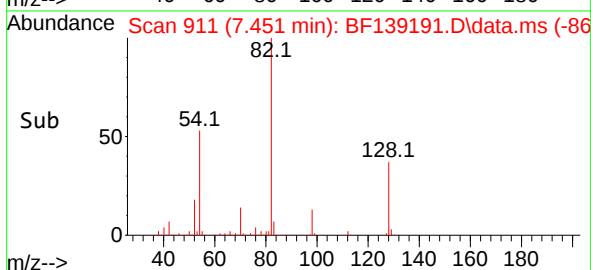
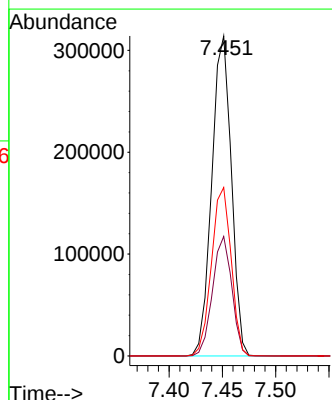
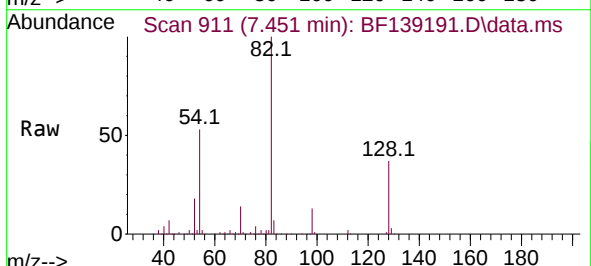
Tgt Ion: 82 Resp: 400376

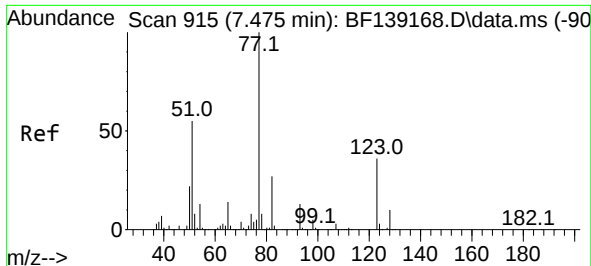
Ion Ratio Lower Upper

82 100

128 37.4 27.1 40.7

54 52.6 44.2 66.4

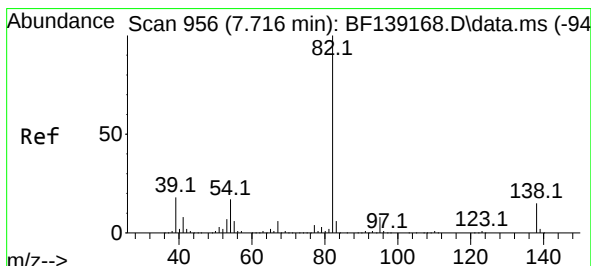
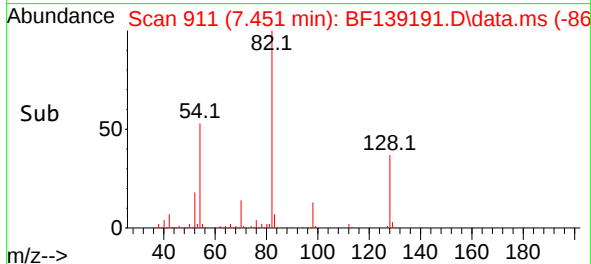
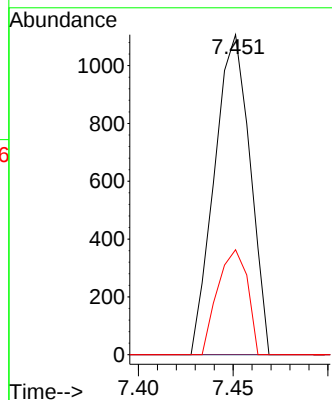
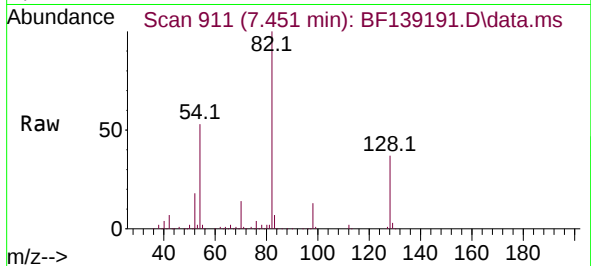




#24
Nitrobenzene
Concen: 3.478 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.024 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

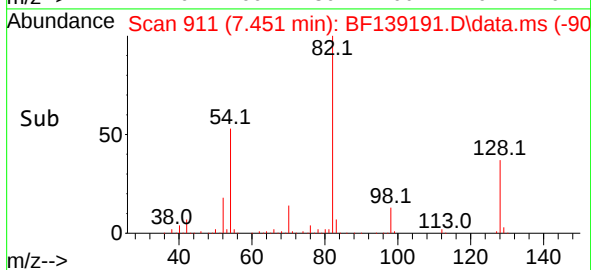
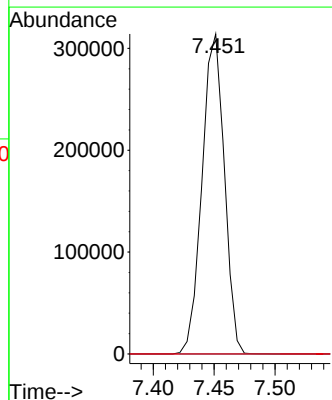
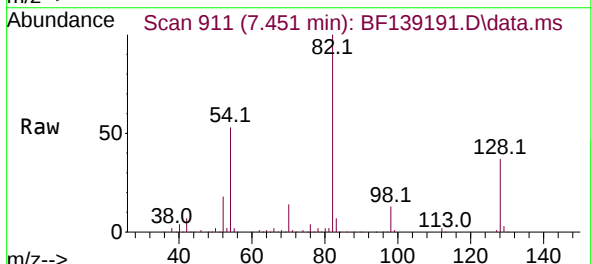
Instrument :
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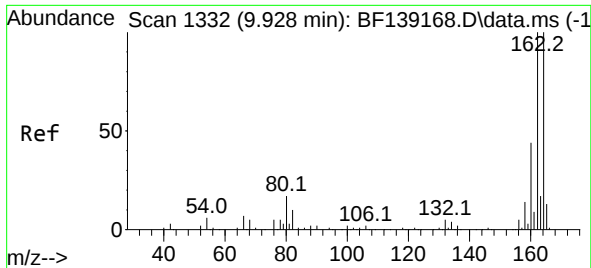
Tgt Ion: 77 Resp: 1447
Ion Ratio Lower Upper
77 100
123 0.0 28.7 43.1#
65 32.8 10.9 16.3#



#25
Isophorone
Concen: 38.803 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion: 82 Resp: 399939
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 12.2 18.4#

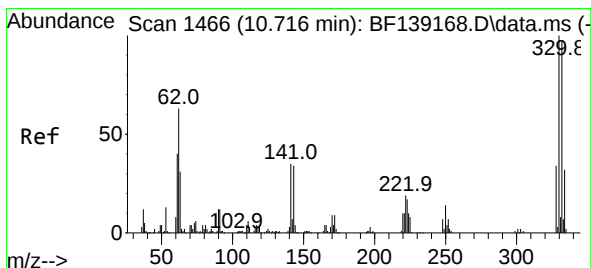
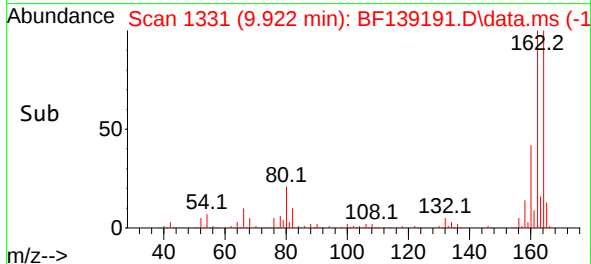
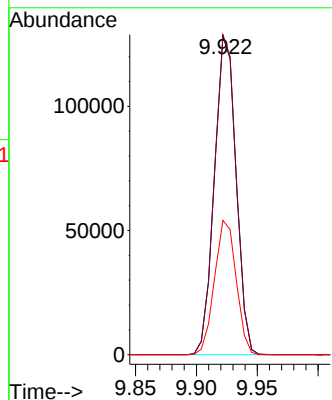
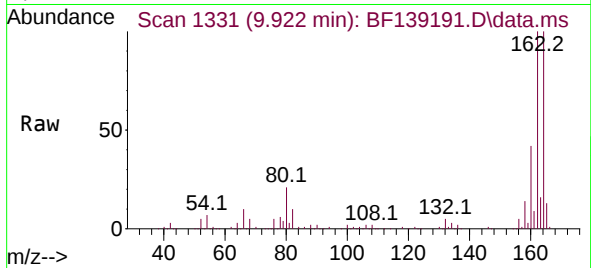




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

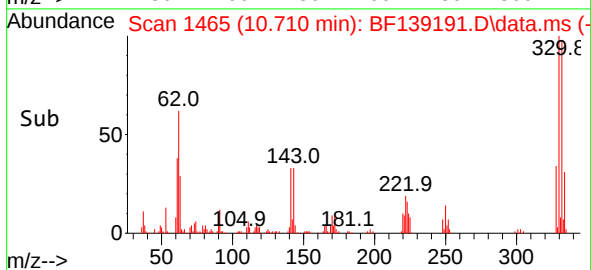
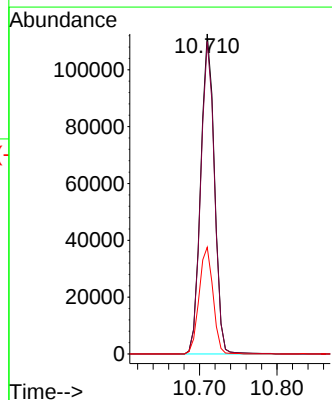
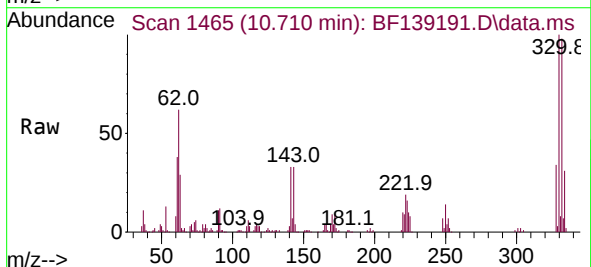
Instrument :
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ClientSampleId :
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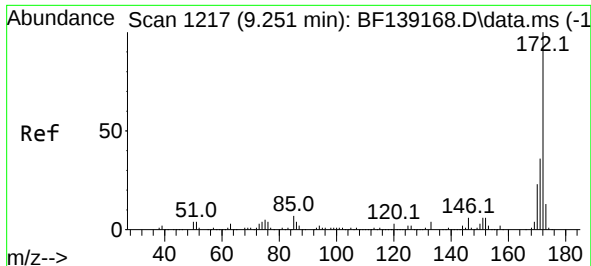
Tgt Ion:164 Resp: 158381
Ion Ratio Lower Upper
164 100
162 100.5 80.0 120.0
160 42.2 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 102.074 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:330 Resp: 138459
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 33.7 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 64.569 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

UI-3

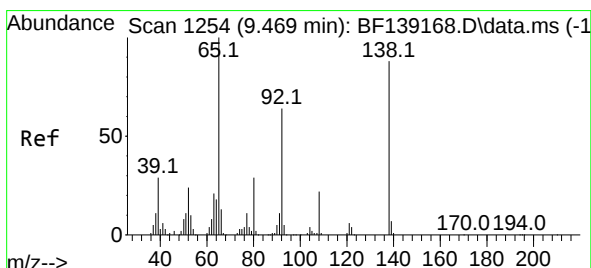
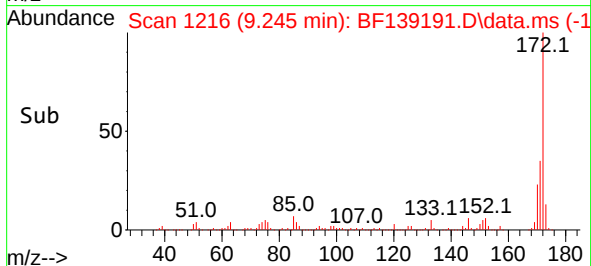
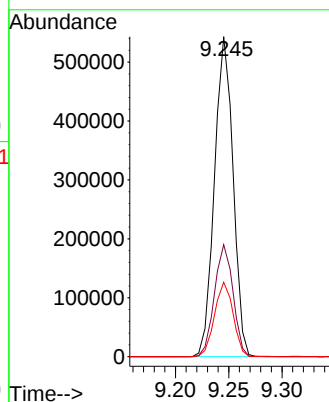
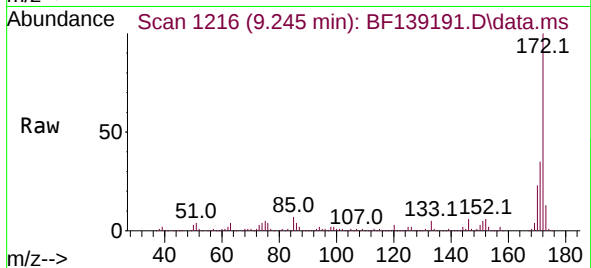
Tgt Ion:172 Resp: 658353

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.3 18.8 28.2



#48

2-Nitroaniline

Concen: 6.220 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.224 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

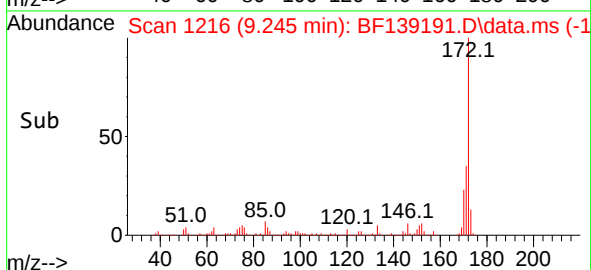
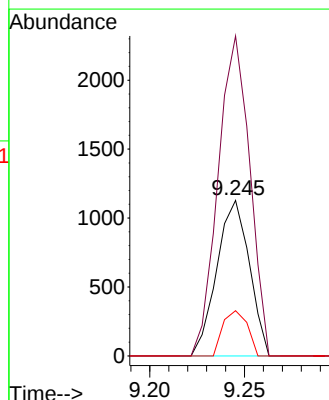
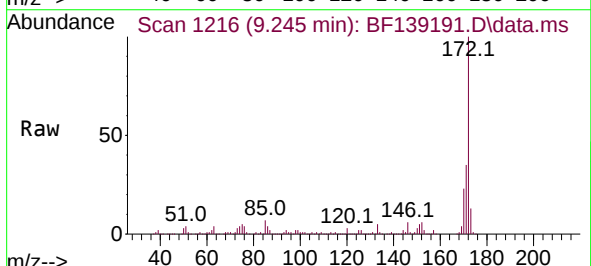
Tgt Ion: 65 Resp: 1349

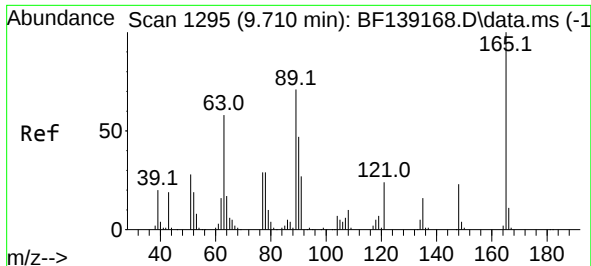
Ion Ratio Lower Upper

65 100

92 205.8 51.2 76.8#

138 29.1 70.0 105.0#





#51

2,6-Dinitrotoluene

Concen: 14.594 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

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ClientSampleId :

UI-3

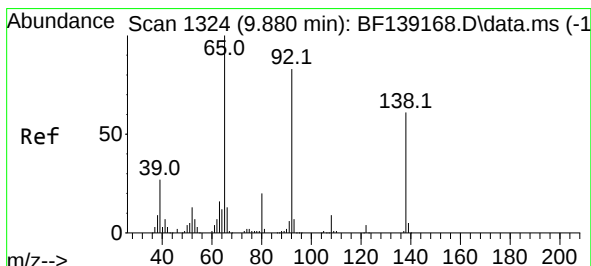
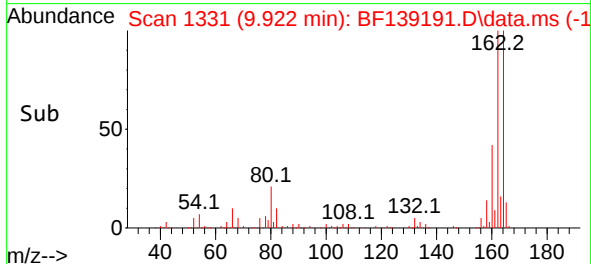
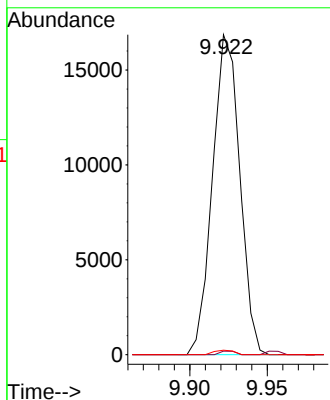
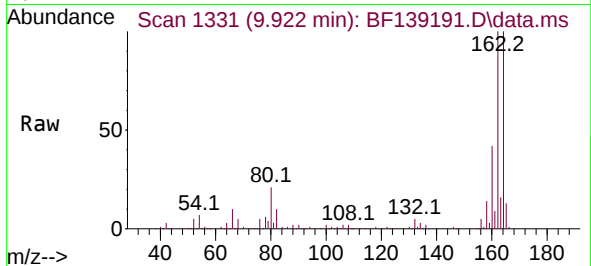
Tgt Ion:165 Resp: 20638

Ion Ratio Lower Upper

165 100

63 1.1 60.1 90.1#

89 1.4 57.0 85.6#



#53

3-Nitroaniline

Concen: 6.107 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.142 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

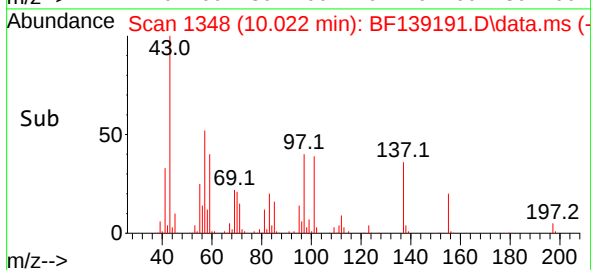
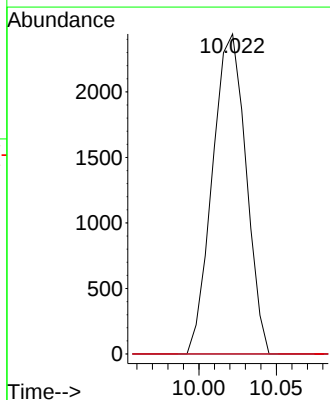
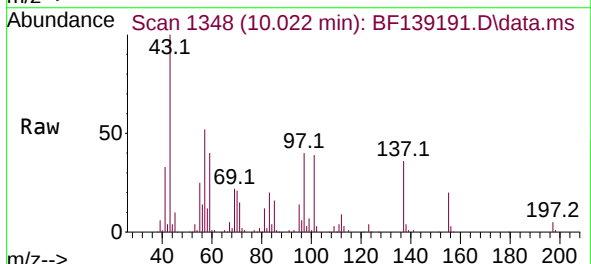
Tgt Ion:138 Resp: 3674

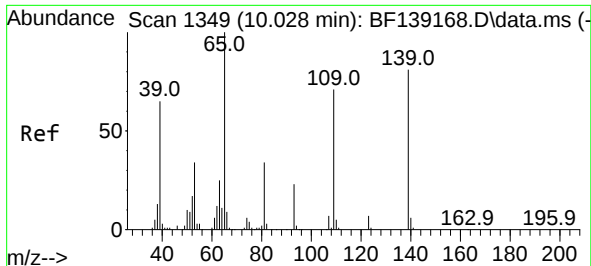
Ion Ratio Lower Upper

138 100

108 0.0 11.8 17.6#

92 0.0 108.2 162.2#

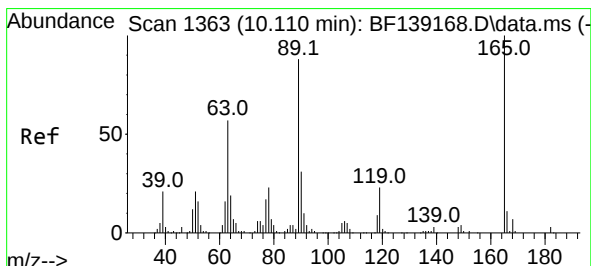
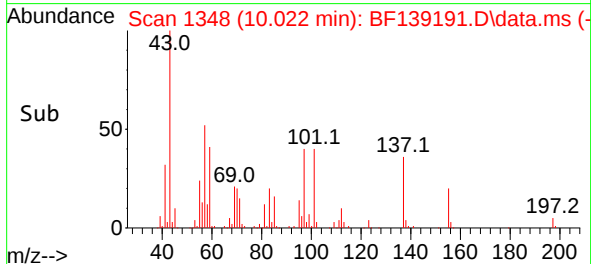
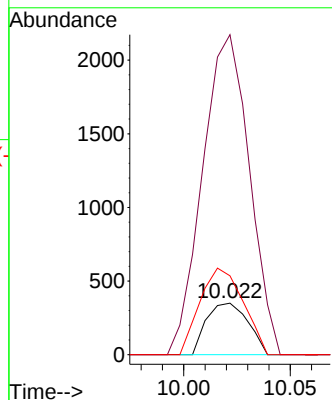
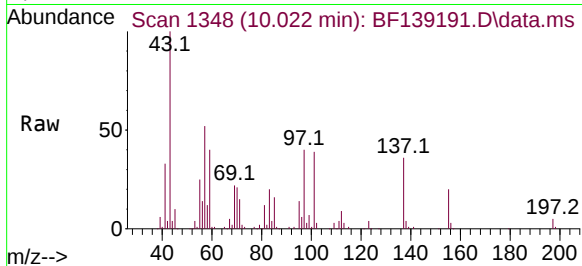




#56
4-Nitrophenol
Concen: 5.425 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

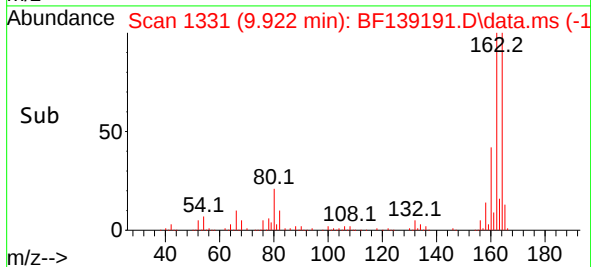
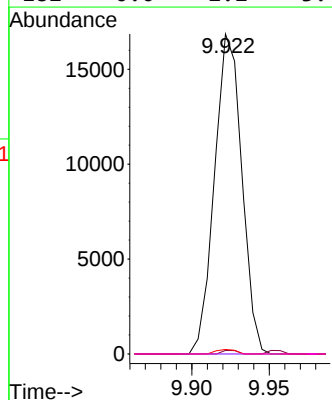
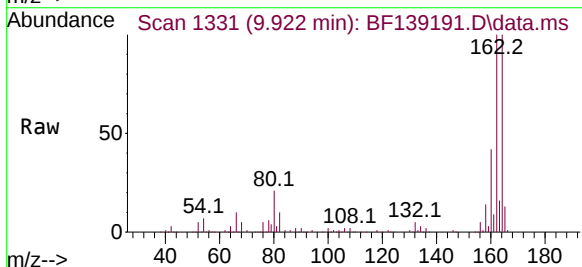
Instrument :
BNA_F
ClientSampleId :
UI-3

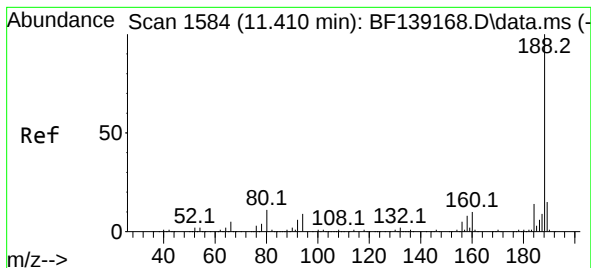
Tgt Ion:139 Resp: 475
Ion Ratio Lower Upper
139 100
109 620.9 68.2 108.2#
65 153.1 104.7 144.7#



#57
2,4-Dinitrotoluene
Concen: 13.212 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:165 Resp: 20638
Ion Ratio Lower Upper
165 100
63 1.1 46.2 69.2#
89 1.4 70.2 105.4#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

UI-3

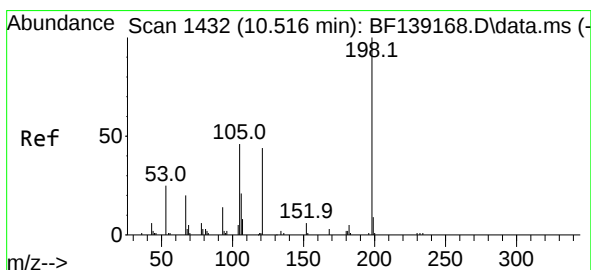
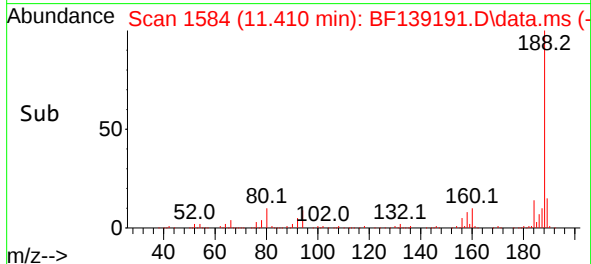
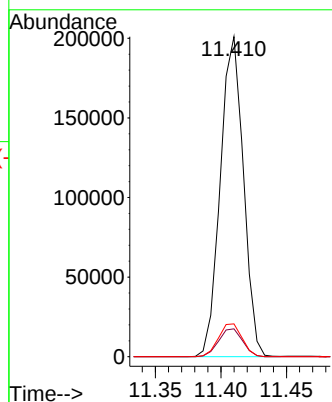
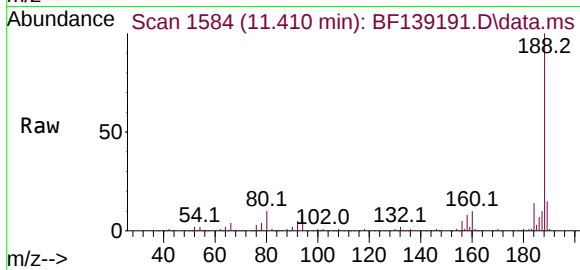
Tgt Ion:188 Resp: 246137

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 10.2 8.9 13.3



#65

4,6-Dinitro-2-methylphenol

Concen: 7.261 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.194 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

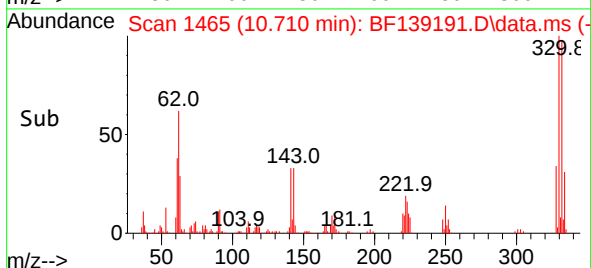
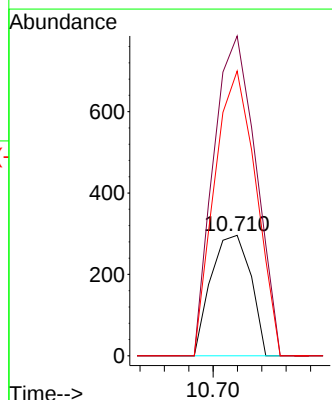
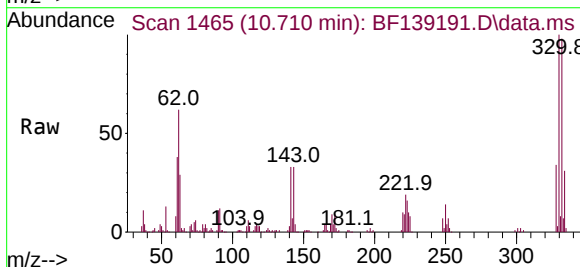
Tgt Ion:198 Resp: 335

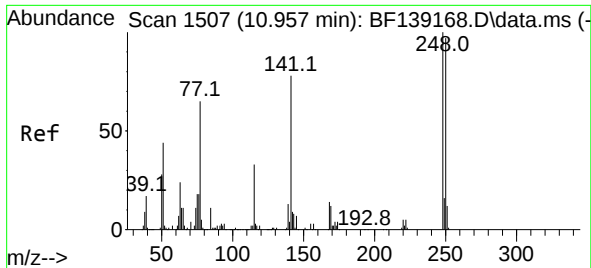
Ion Ratio Lower Upper

198 100

51 265.5 39.2 79.2#

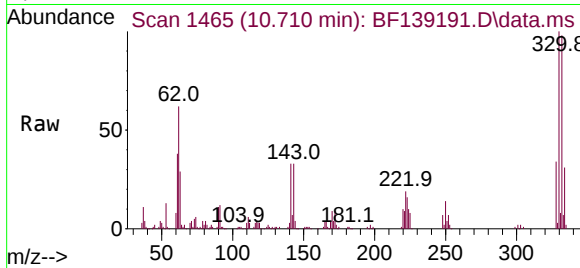
105 236.5 29.3 69.3#



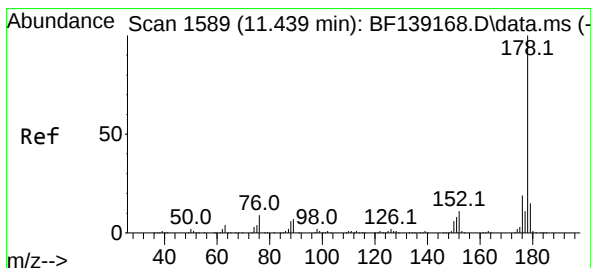
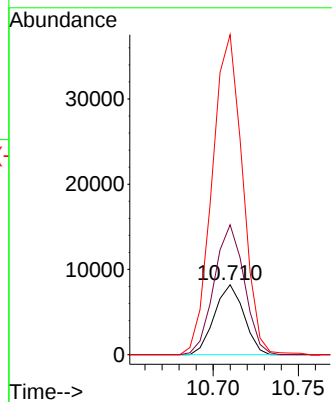
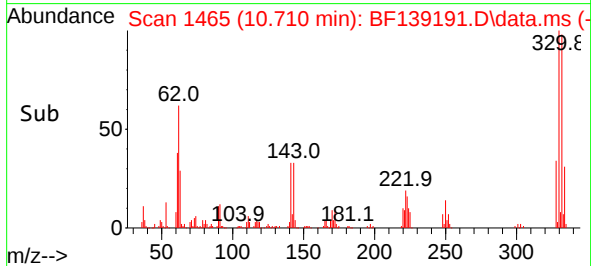


#67
4-Bromophenyl-phenylether
Concen: 3.766 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Instrument :
BNA_F
ClientSampleId :
UI-3

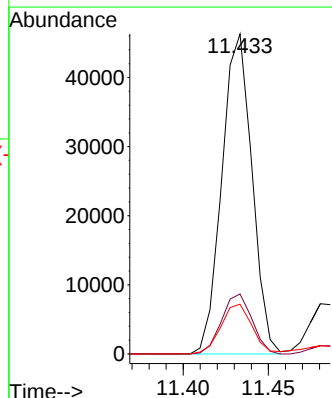
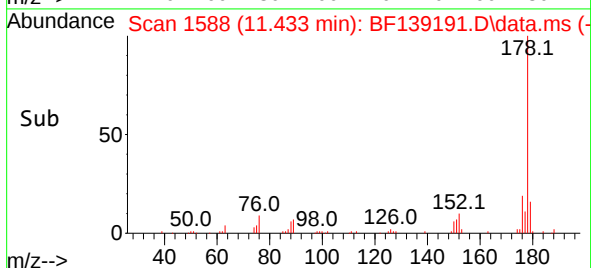
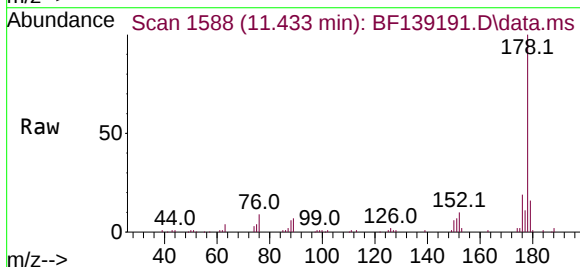


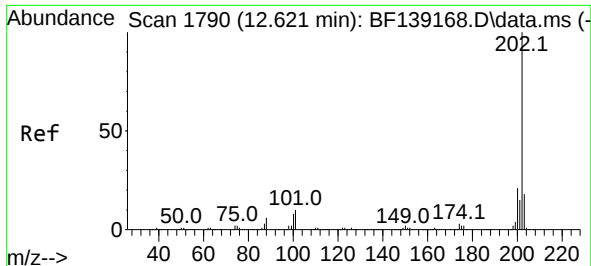
Tgt Ion:248 Resp: 9850
Ion Ratio Lower Upper
248 100
250 185.9 78.0 117.0#
141 458.0 62.6 94.0#



#71
Phenanthrene
Concen: 4.579 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:178 Resp: 56954
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.6 12.2 18.4

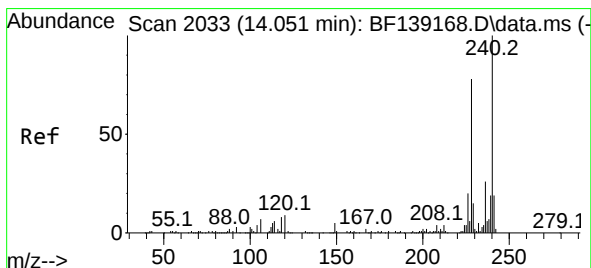
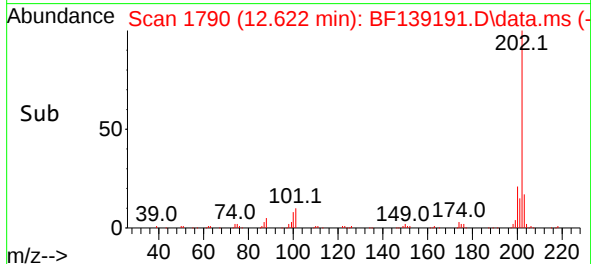
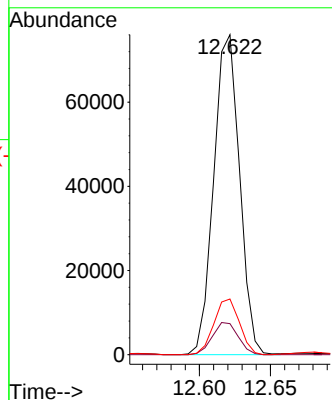
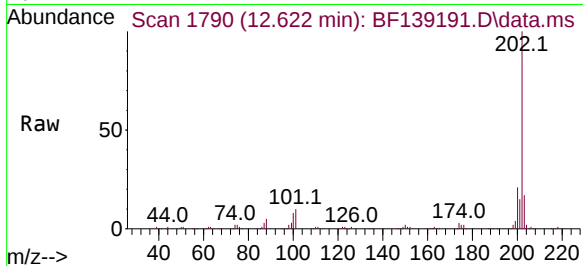




#75
Fluoranthene
Concen: 7.969 ng
RT: 12.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

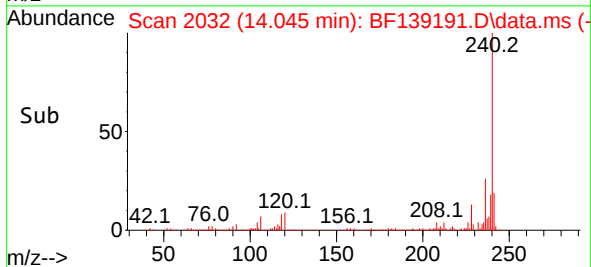
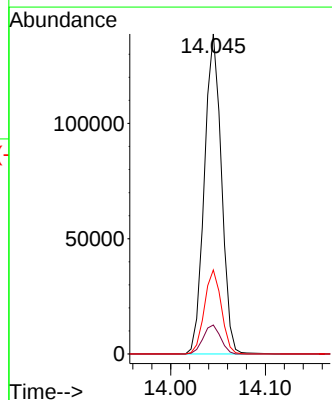
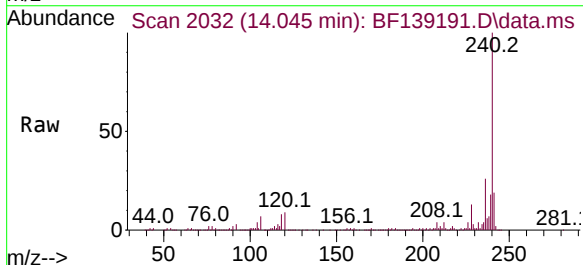
Instrument :
BNA_F
ClientSampleId :
UI-3

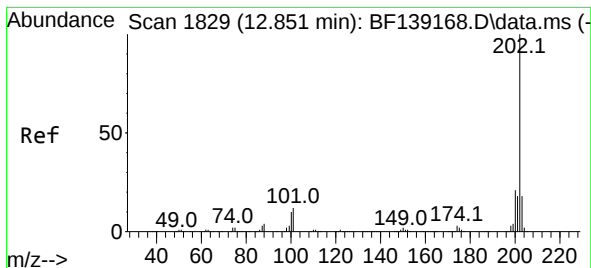
Tgt Ion:202 Resp: 96195
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.1
203 17.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:240 Resp: 173657
Ion Ratio Lower Upper
240 100
120 9.0 6.9 10.3
236 26.3 20.9 31.3





#78

Pyrene

Concen: 5.267 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

UI-3

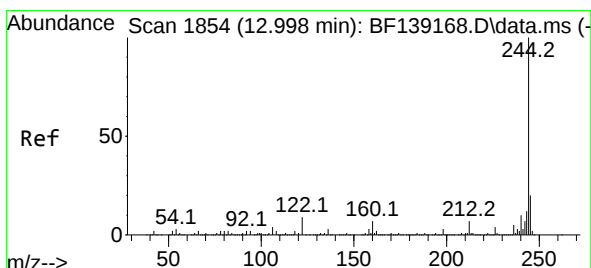
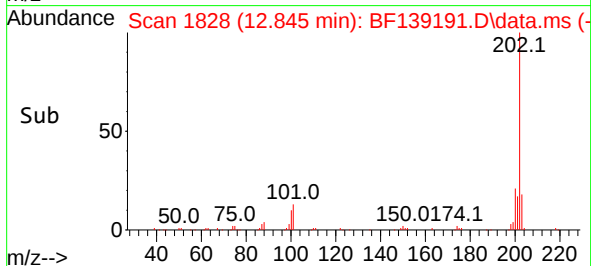
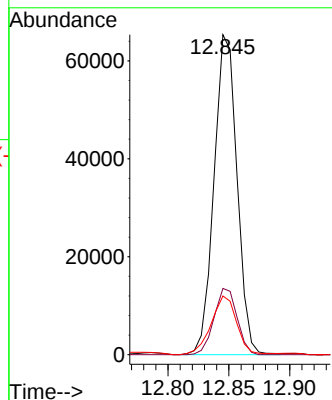
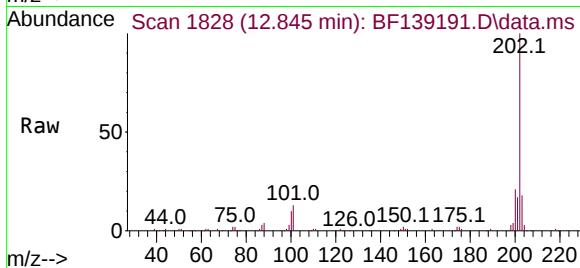
Tgt Ion:202 Resp: 85914

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 51.921 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

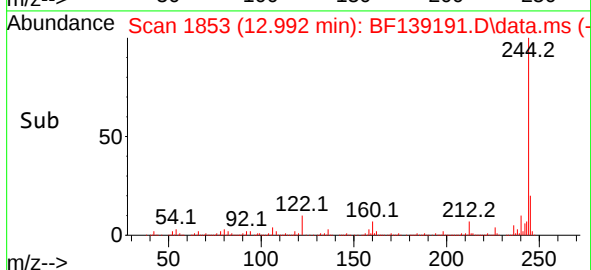
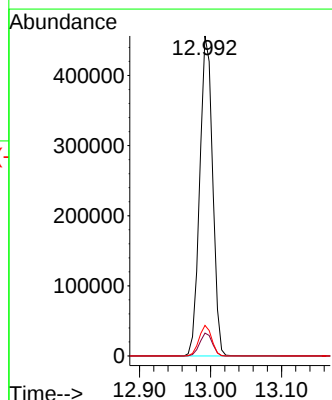
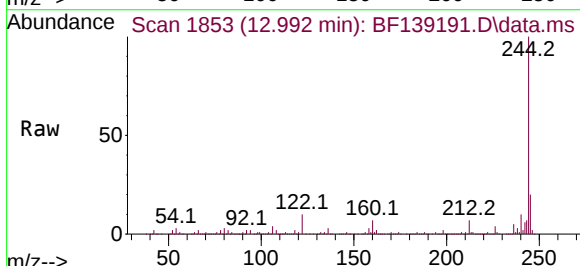
Tgt Ion:244 Resp: 577856

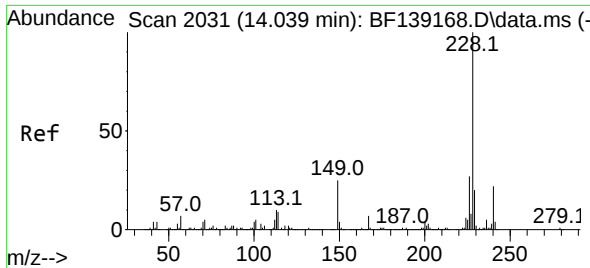
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.6 7.6 11.4

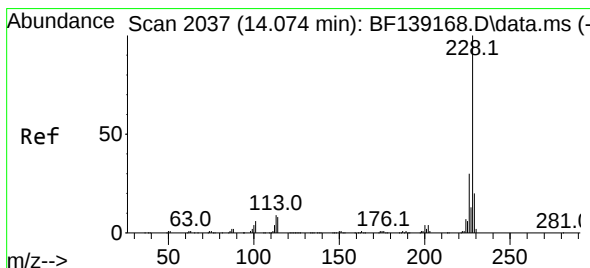
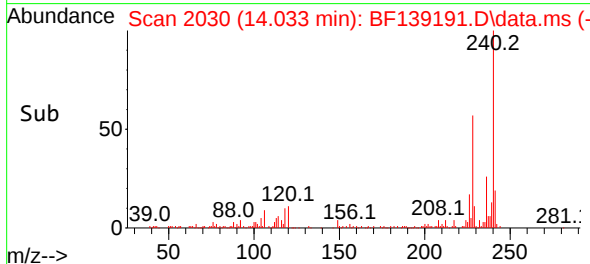
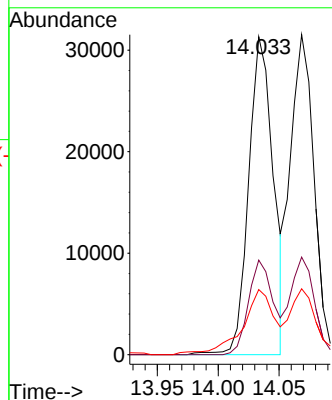
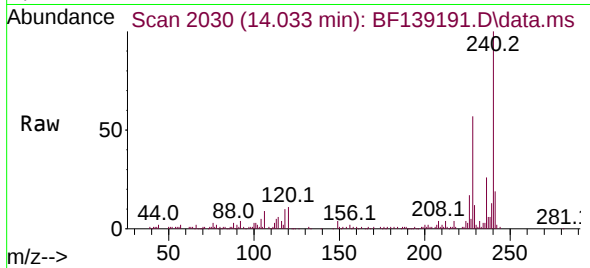




#81
Benzo(a)anthracene
Concen: 3.845 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

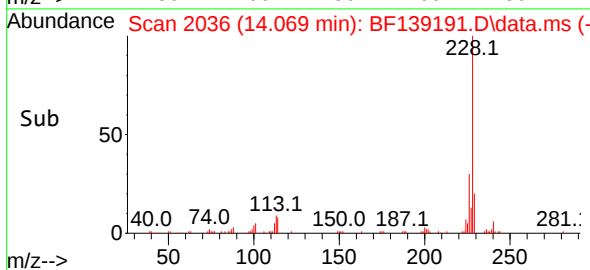
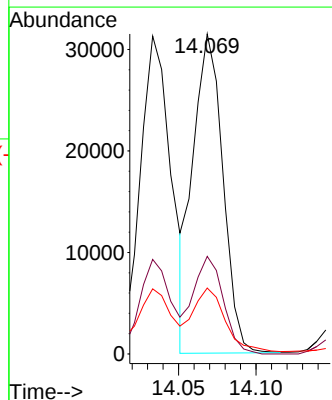
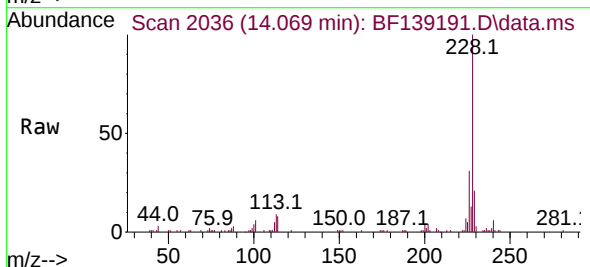
Instrument :
BNA_F
ClientSampleId :
UI-3

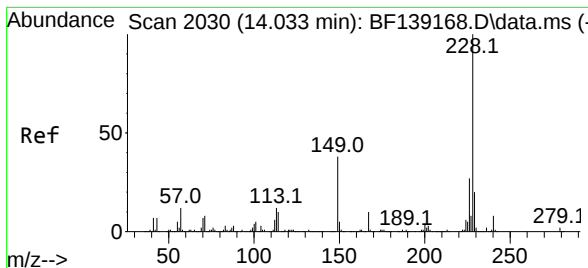
Tgt Ion:228 Resp: 44237
Ion Ratio Lower Upper
228 100
226 29.8 21.4 32.2
229 20.5 15.7 23.5



#83
Chrysene
Concen: 4.036 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF139191.D
Acq: 27 Aug 2024 17:21

Tgt Ion:228 Resp: 41888
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.6
229 20.6 15.8 23.6

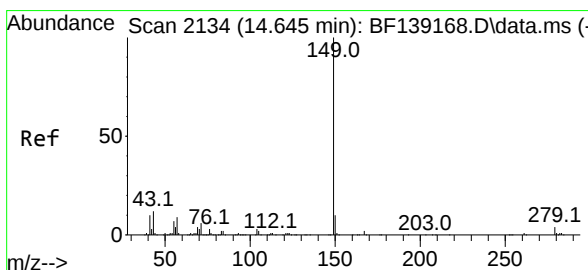
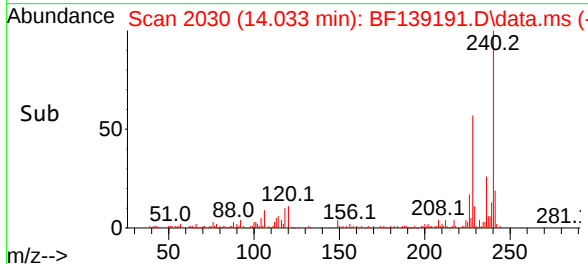
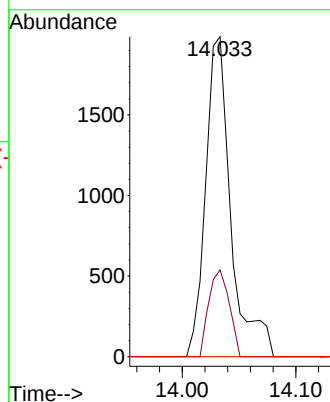
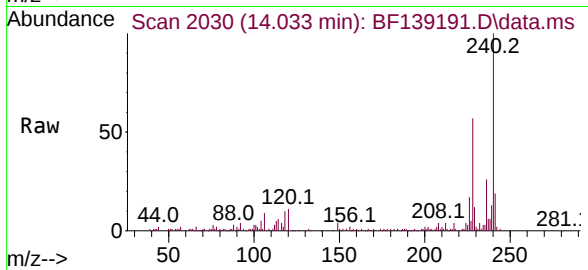




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.121 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. 0.000 min
 Lab File: BF139191.D
 Acq: 27 Aug 2024 17:21

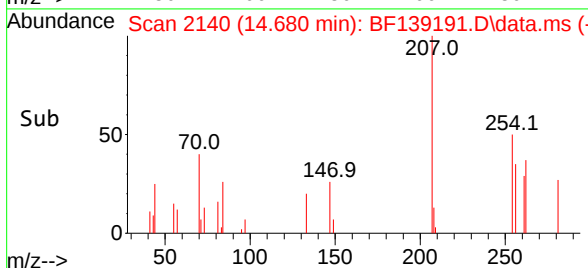
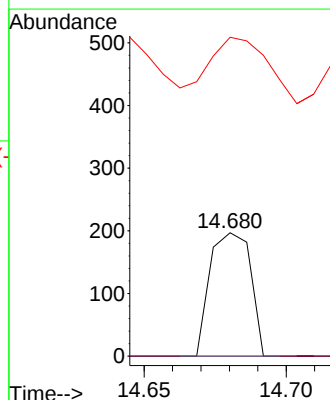
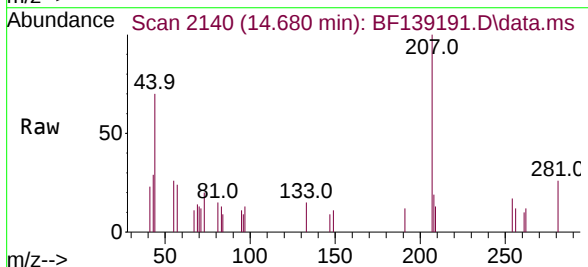
Instrument :
 BNA_F
 ClientSampleId :
 UI-3

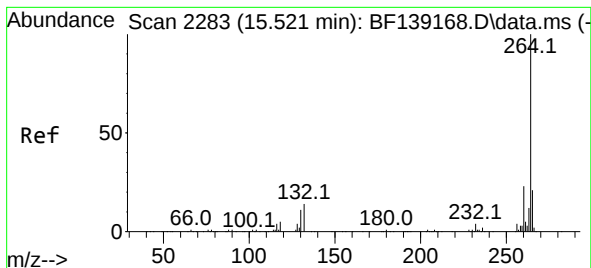
Tgt Ion:149 Resp: 3068
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.3 31.9
 279 0.0 3.4 5.0#



#85
 Di-n-octyl phthalate
 Concen: 8.973 ng
 RT: 14.680 min Scan# 2140
 Delta R.T. 0.035 min
 Lab File: BF139191.D
 Acq: 27 Aug 2024 17:21

Tgt Ion:149 Resp: 195
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 77.9 9.9 14.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

UI-3

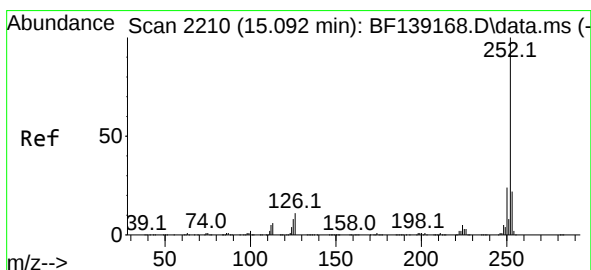
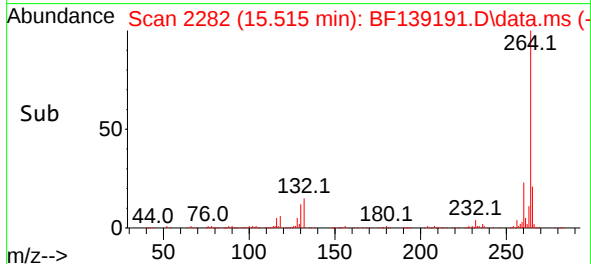
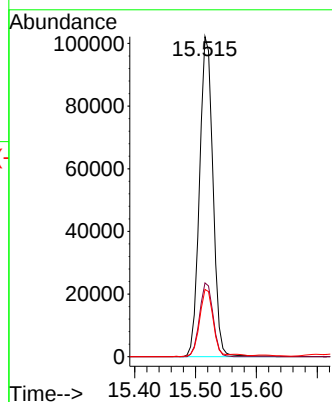
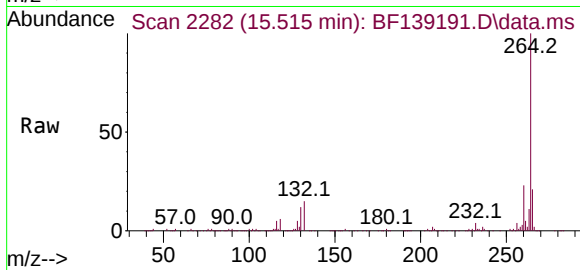
Tgt Ion:264 Resp: 155996

Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 21.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 7.336 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

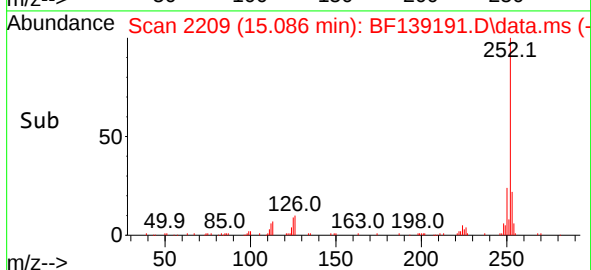
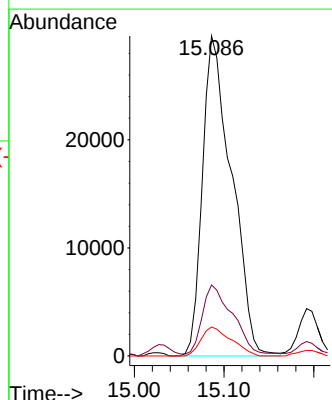
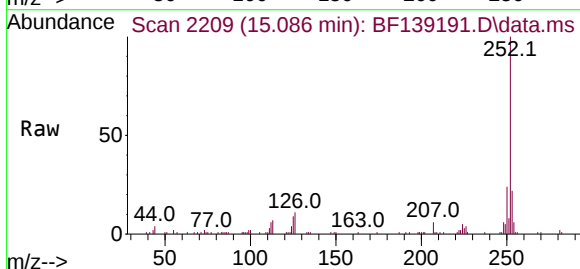
Tgt Ion:252 Resp: 66948

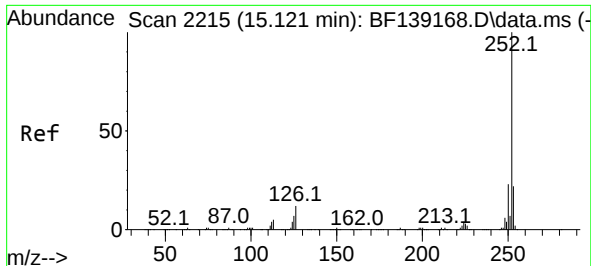
Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 9.1 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 8.115 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.035 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Instrument :

BNA_F

ClientSampleId :

UI-3

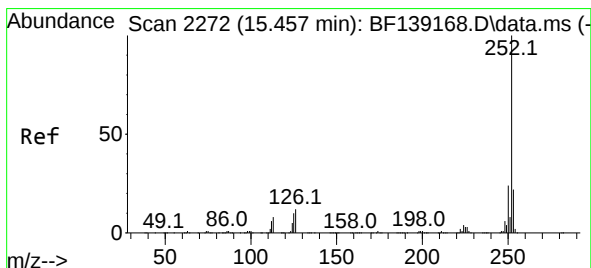
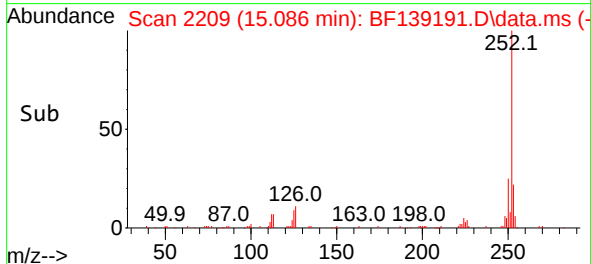
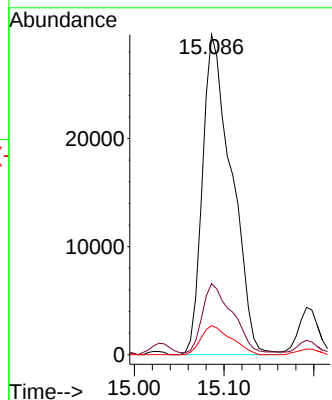
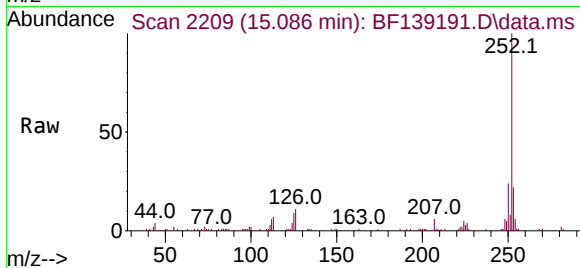
Tgt Ion:252 Resp: 66948

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 9.1 6.5 9.7



#90

Benzo(a)pyrene

Concen: 3.931 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.006 min

Lab File: BF139191.D

Acq: 27 Aug 2024 17:21

Tgt Ion:252 Resp: 30445

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 11.1 7.8 11.6

