

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134350.D
 Acq On : 18 Jul 2023 21:56
 Operator : CG\JU
 Sample : 03608-02RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 73742RE

Quant Time: Jul 19 01:42:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

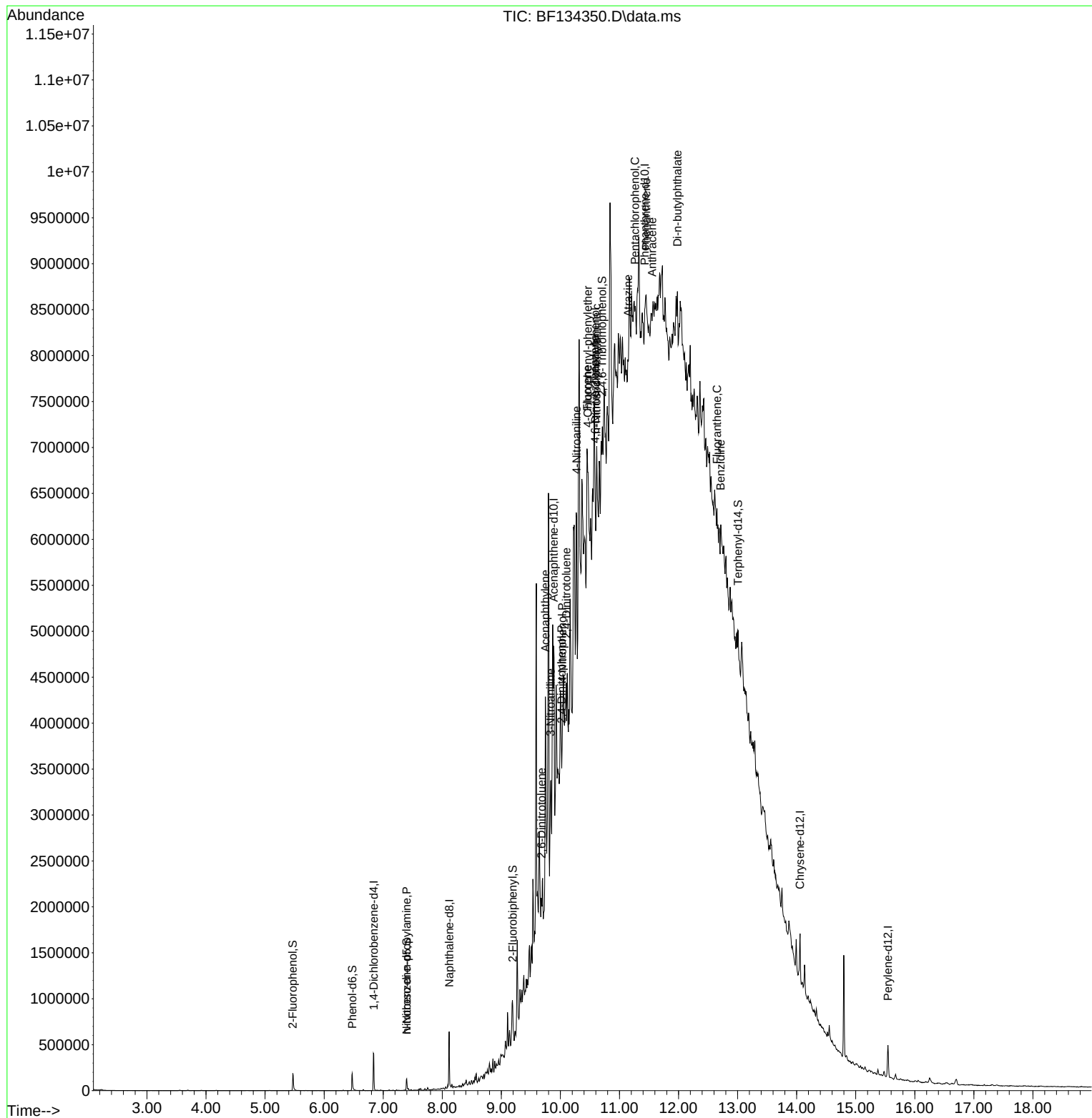
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	62120	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	233800	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	89686	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	123757	20.000	ng	# 0.05
76) Chrysene-d12	14.057	240	152435	20.000	ng	0.02
86) Perylene-d12	15.545	264	161847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	56776	15.289	ng	0.00
7) Phenol-d6	6.475	99	69421	15.201	ng	-0.01
23) Nitrobenzene-d5	7.398	82	44362	10.228	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	17296	15.381	ng	0.02
45) 2-Fluorobiphenyl	9.192	172	88116	14.284	ng	-0.01
79) Terphenyl-d14	13.004	244	79984	8.445	ng	0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.469	77	68	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	6633	2.290	ng	# 77
49) Acenaphthylene	9.745	152	32847	3.653	ng	# 1
51) 2,6-Dinitrotoluene	9.681	165	18859	13.449	ng	# 31
53) 3-Nitroaniline	9.834	138	36399	21.638	ng	# 13
54) 2,4-Dinitrophenol	10.022	184	768	4.766	ng	# 1
56) 4-Nitrophenol	10.033	139	5933	5.042	ng	# 1
57) 2,4-Dinitrotoluene	10.098	165	14346	7.747	ng	# 64
58) Fluorene	10.457	166	34972	5.513	ng	# 45
61) 4-Chlorophenyl-phenyle...	10.463	204	14770	4.831	ng	# 1
62) 4-Nitroaniline	10.275	138	12927	7.625	ng	82
63) Azobenzene	10.581	77	13730	2.140	ng	# 27
65) 4,6-Dinitro-2-methylph...	10.586	198	9518	14.107	ng	# 1
66) n-Nitrosodiphenylamine	10.610	169	51879	13.120	ng	# 56
69) Atrazine	11.145	200	3249	2.971	ng	# 1
70) Pentachlorophenol	11.263	266	7007	8.391	ng	# 36
71) Phenanthrene	11.451	178	157440	25.271	ng	# 68
72) Anthracene	11.551	178	33119	5.111	ng	# 1
74) Di-n-butylphthalate	11.980	149	104613	14.832	ng	# 62
75) Fluoranthene	12.651	202	16002	2.376	ng	# 1
77) Benzidine	12.710	184	14694	4.051	ng	# 1

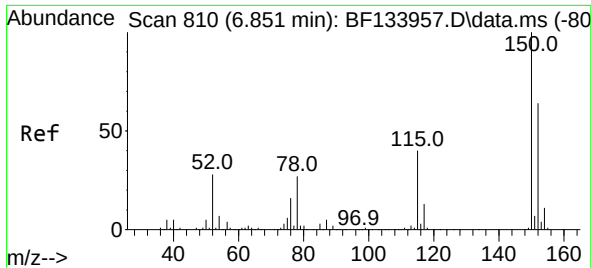
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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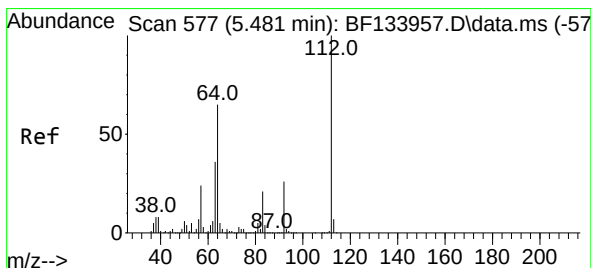
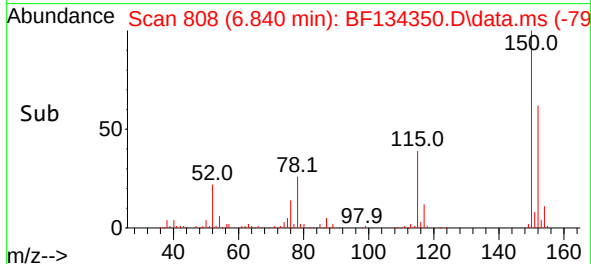
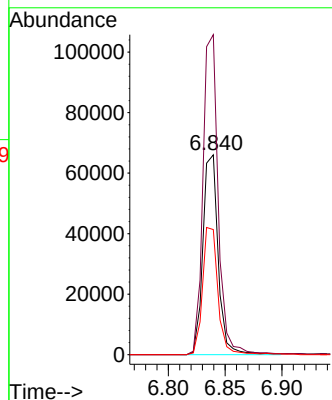
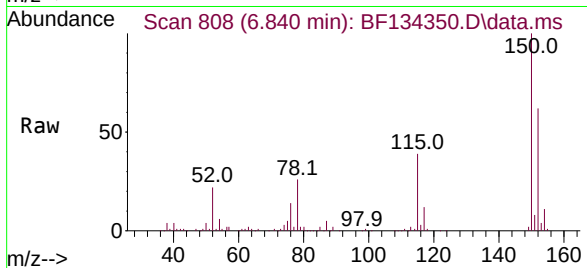




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

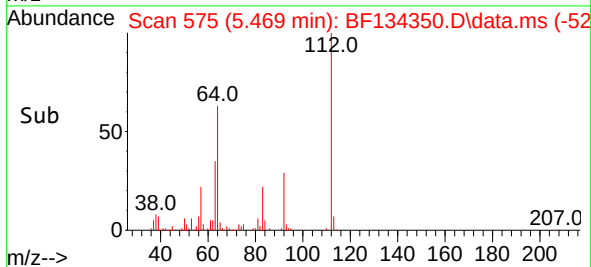
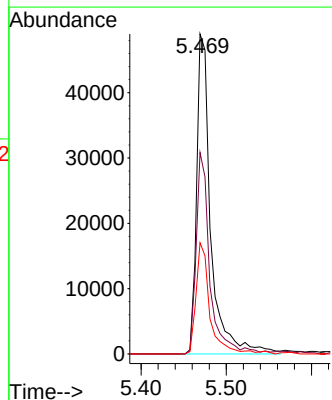
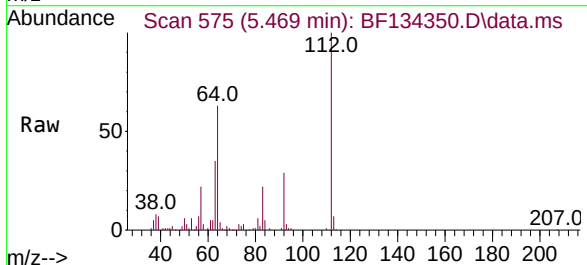
Instrument :
BNA_F
ClientSampleId :
73742RE

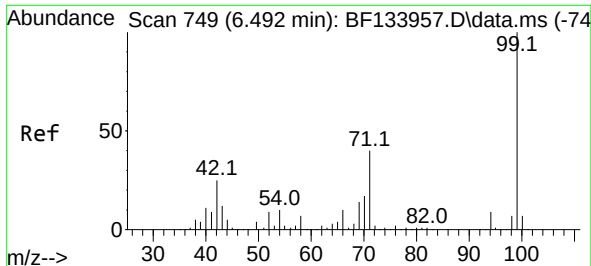
Tgt Ion:152 Resp: 62120
Ion Ratio Lower Upper
152 100
150 160.1 124.5 186.7
115 62.6 50.2 75.2



#5
2-Fluorophenol
Concen: 15.289 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Tgt Ion:112 Resp: 56776
Ion Ratio Lower Upper
112 100
64 62.9 52.1 78.1
63 34.8 28.6 42.8

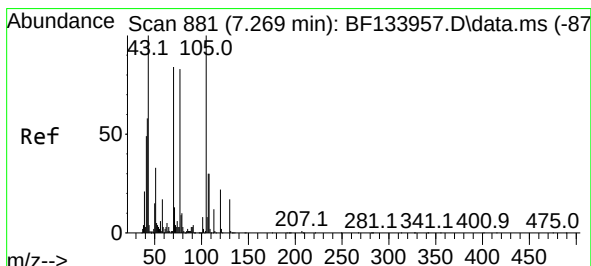
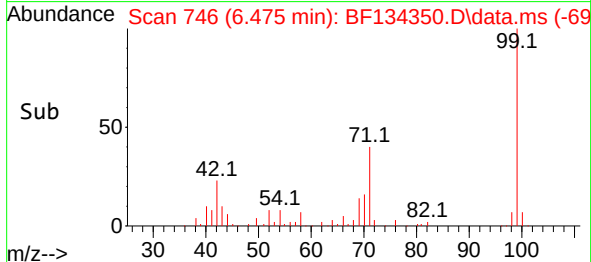
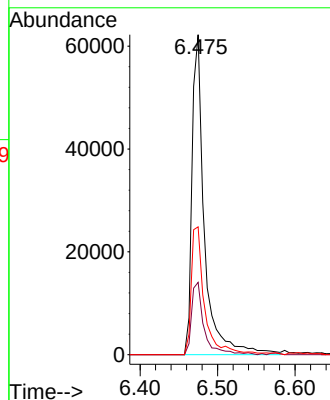
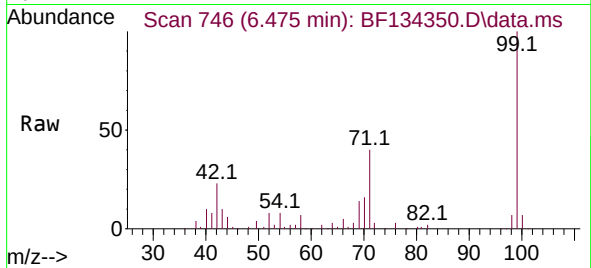




#7
Phenol-d6
Concen: 15.201 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

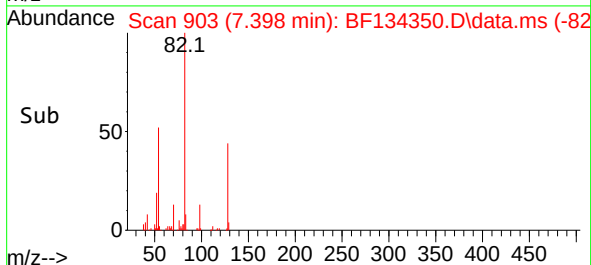
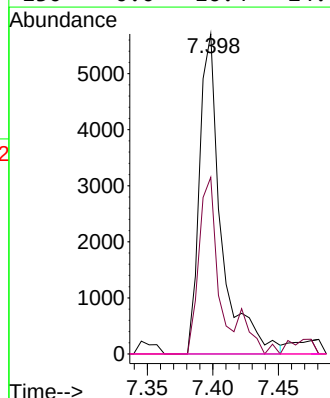
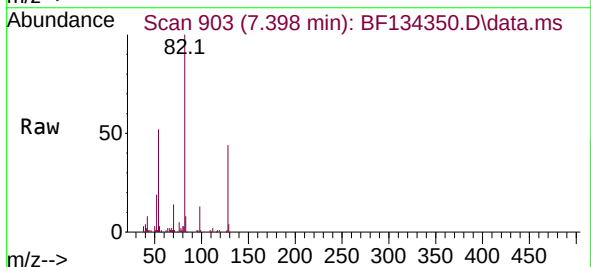
Instrument :
BNA_F
ClientSampleId :
73742RE

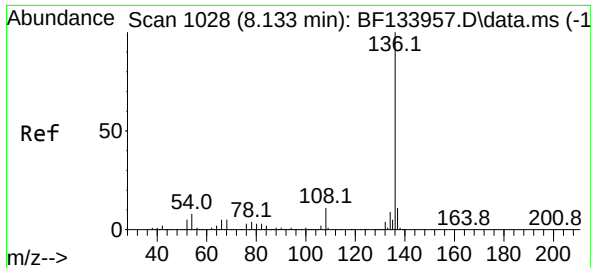
Tgt Ion: 99 Resp: 69421
Ion Ratio Lower Upper
99 100
42 22.6 19.8 29.6
71 39.9 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.290 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Tgt Ion: 70 Resp: 6633
Ion Ratio Lower Upper
70 100
42 55.2 54.7 82.1
101 0.0 7.7 11.5#
130 0.0 16.4 24.6#



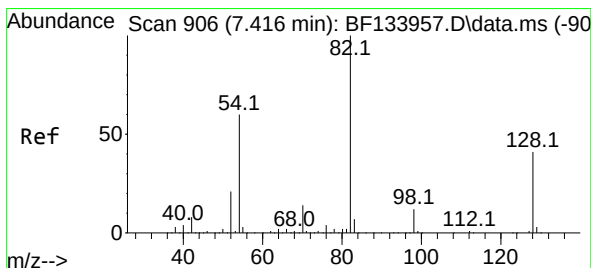
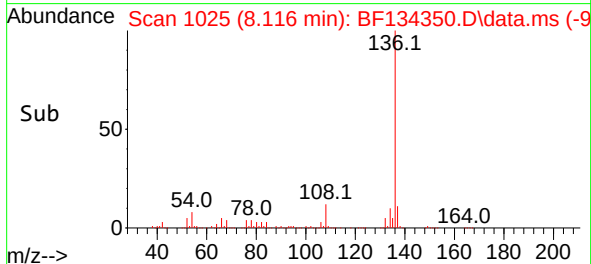
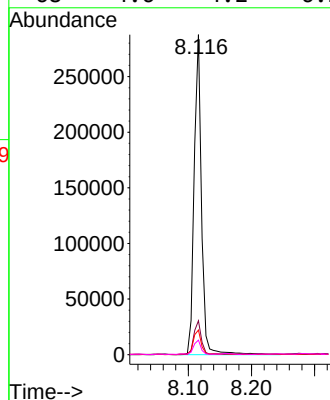
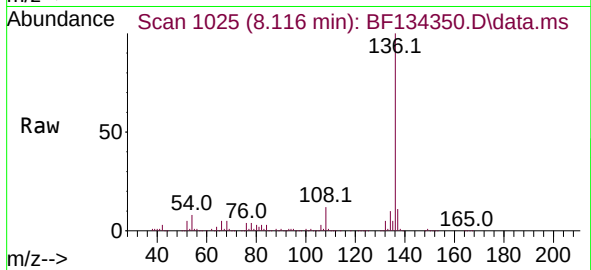


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Instrument :
BNA_F
ClientSampleId :
73742RE

Tgt Ion:136 Resp: 233800

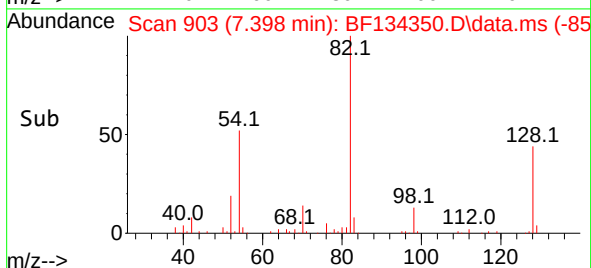
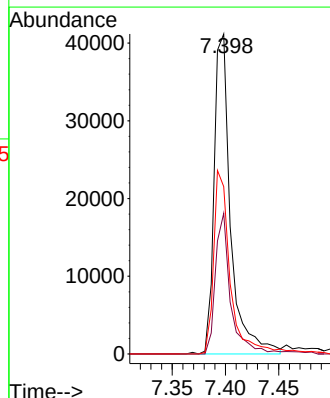
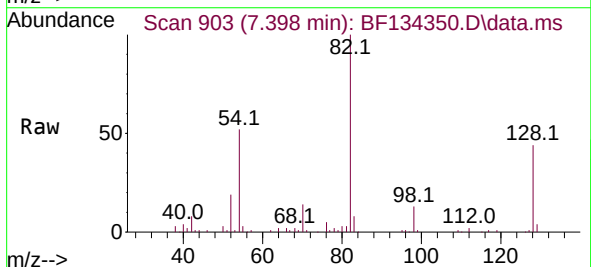
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	7.7	6.5	9.7
68	4.6	4.2	6.2

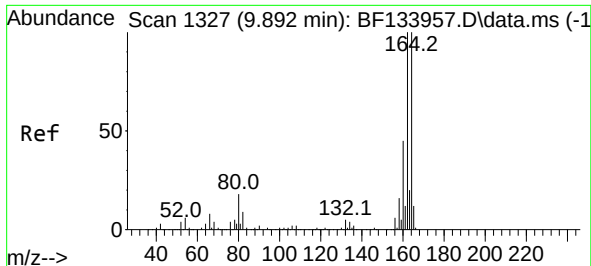


#23
Nitrobenzene-d5
Concen: 10.228 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Tgt Ion: 82 Resp: 44362

Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.5	48.7
54	52.3	48.2	72.2

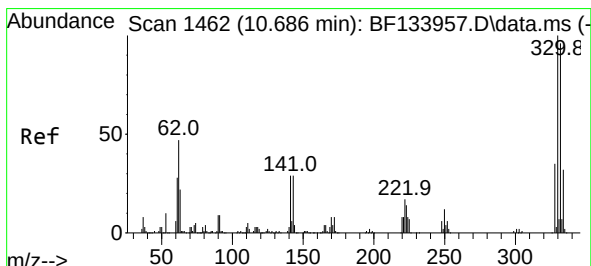
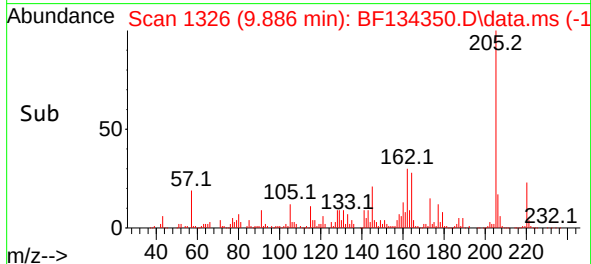
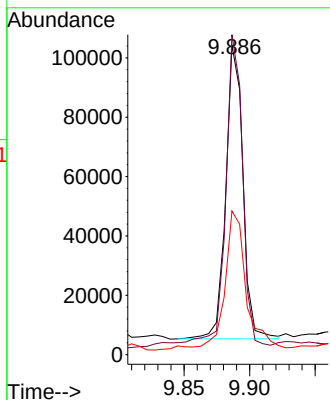
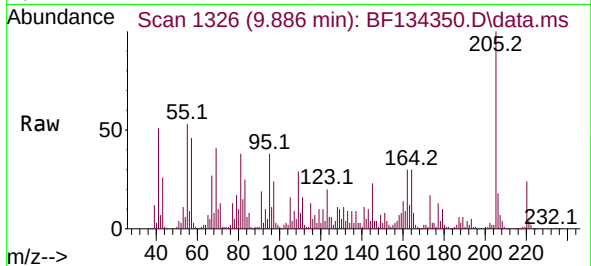




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

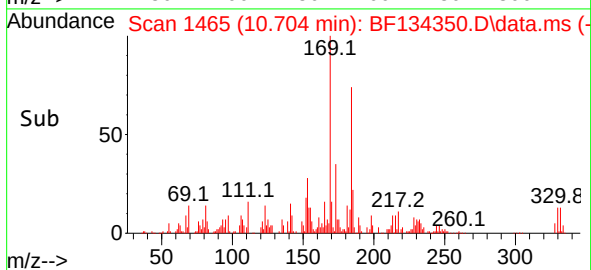
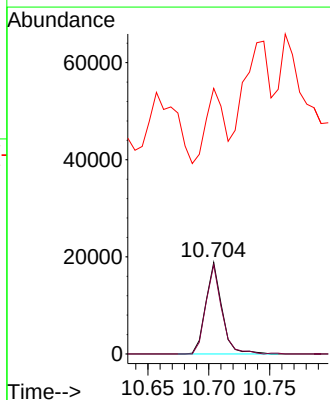
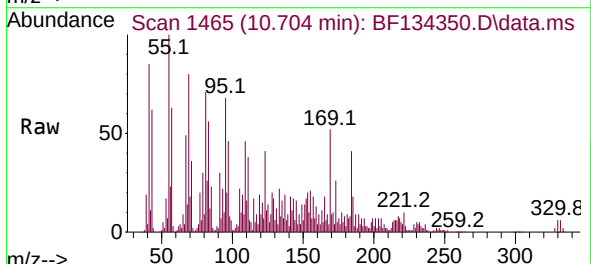
Instrument :
BNA_F
ClientSampleId :
73742RE

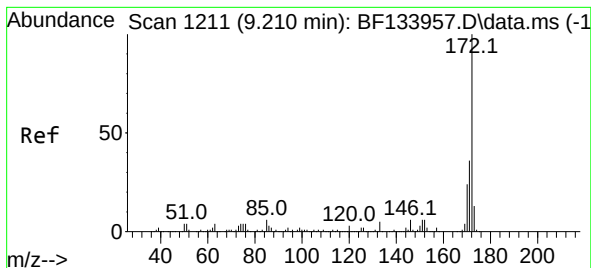
Tgt Ion:164 Resp: 89686
Ion Ratio Lower Upper
164 100
162 103.3 80.0 120.0
160 46.4 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 15.381 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.024 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Tgt Ion:330 Resp: 17296
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 87.8 26.3 39.5#





#45

2-Fluorobiphenyl

Concen: 14.284 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

Instrument :

BNA_F

ClientSampleId :

73742RE

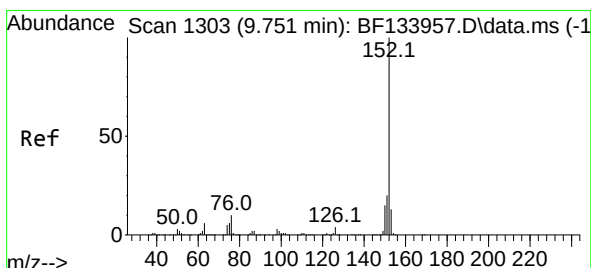
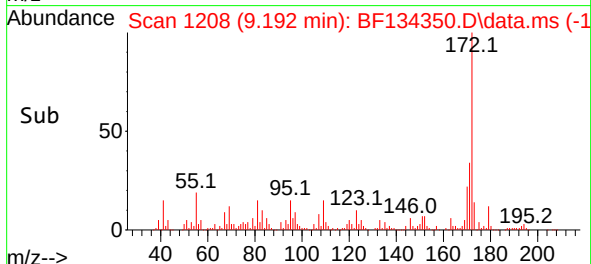
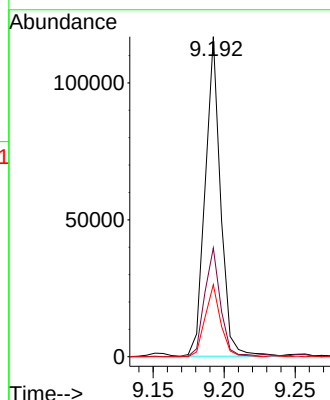
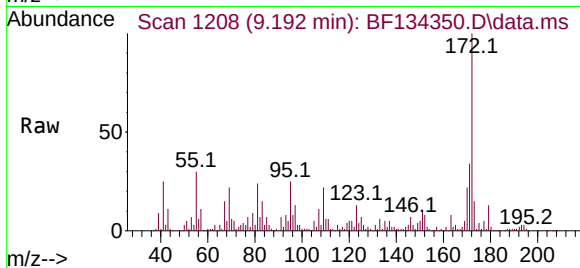
Tgt Ion:172 Resp: 88116

Ion Ratio Lower Upper

172 100

171 34.0 28.6 43.0

170 22.5 19.4 29.0



#49

Acenaphthylene

Concen: 3.653 ng

RT: 9.745 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

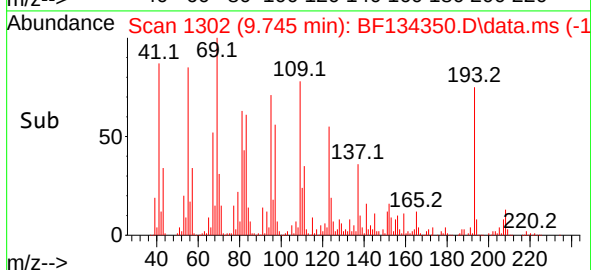
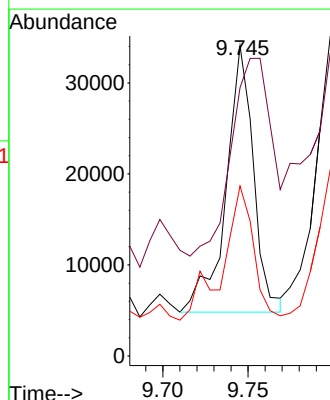
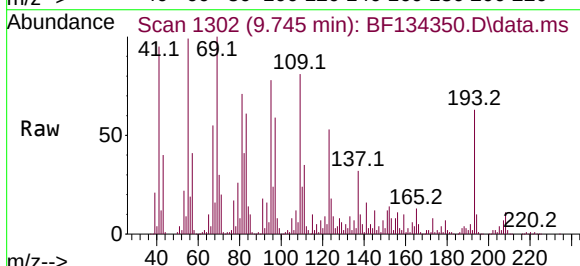
Tgt Ion:152 Resp: 32847

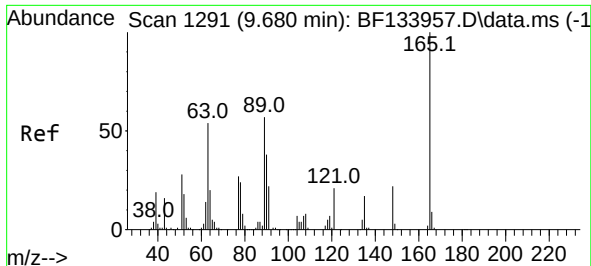
Ion Ratio Lower Upper

152 100

151 86.5 16.2 24.2#

153 54.8 10.8 16.2#





#51

2,6-Dinitrotoluene

Concen: 13.449 ng

RT: 9.681 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

Instrument :

BNA_F

ClientSampleId :

73742RE

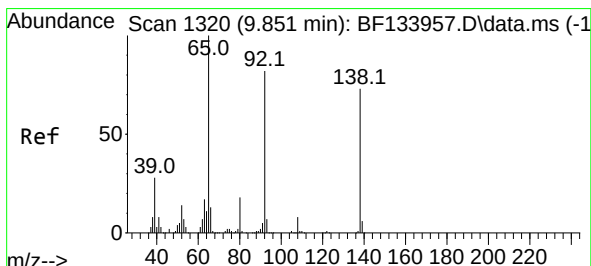
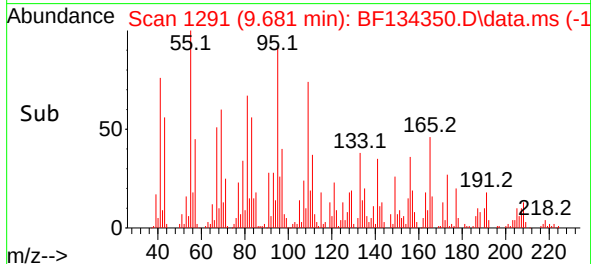
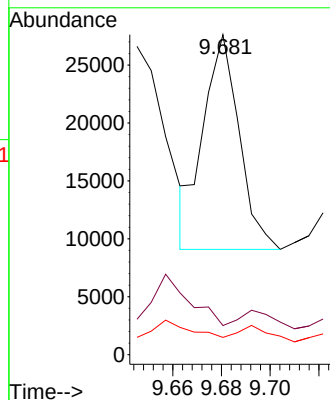
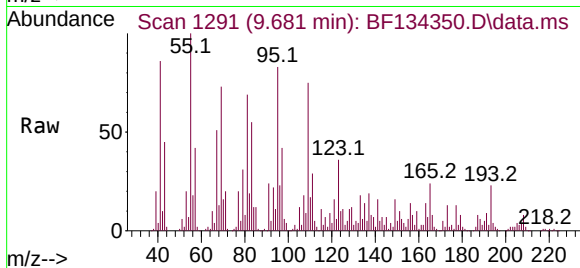
Tgt Ion:165 Resp: 18859

Ion Ratio Lower Upper

165 100

63 9.1 48.5 72.7#

89 5.4 45.5 68.3#



#53

3-Nitroaniline

Concen: 21.638 ng

RT: 9.834 min Scan# 1317

Delta R.T. -0.012 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

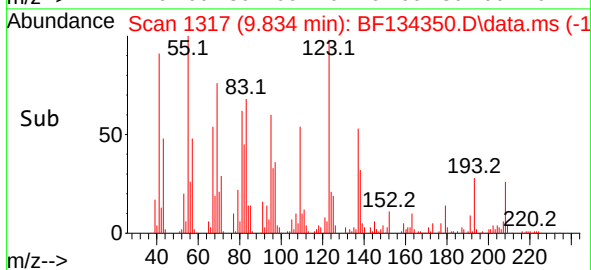
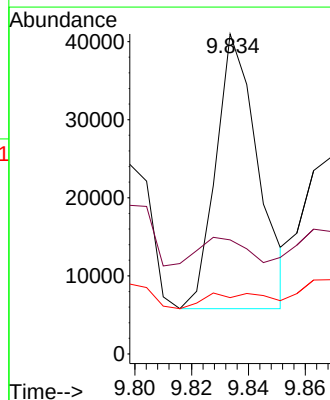
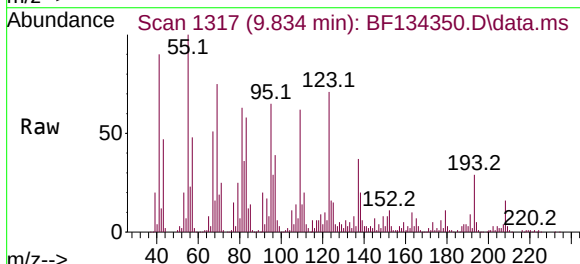
Tgt Ion:138 Resp: 36399

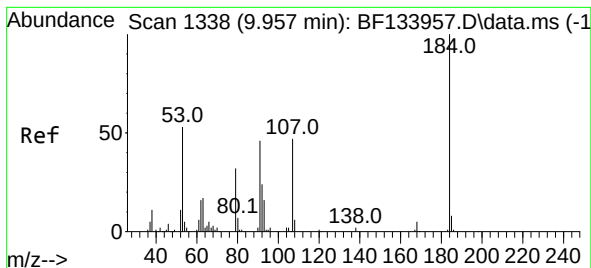
Ion Ratio Lower Upper

138 100

108 35.7 8.4 12.6#

92 17.6 90.1 135.1#





#54

2,4-Dinitrophenol

Concen: 4.766 ng

RT: 10.022 min Scan# 11

Delta R.T. 0.065 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

Instrument :

BNA_F

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73742RE

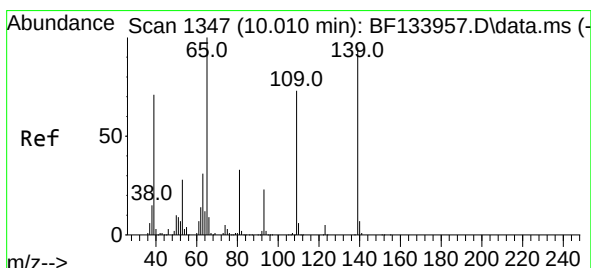
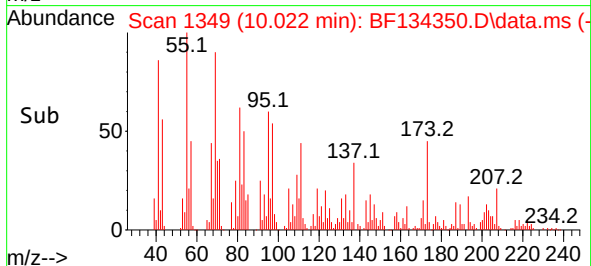
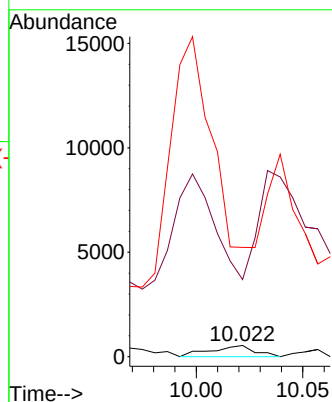
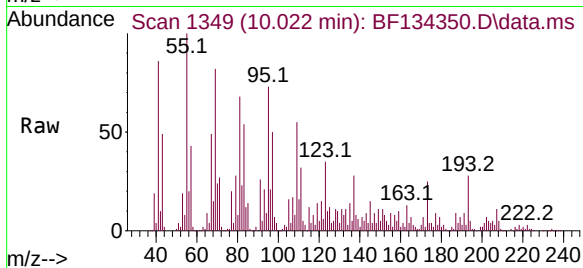
Tgt Ion:184 Resp: 768

Ion Ratio Lower Upper

184 100

63 691.4 56.9 85.3#

154 980.5 55.4 83.0#



#56

4-Nitrophenol

Concen: 5.042 ng

RT: 10.033 min Scan# 1351

Delta R.T. 0.024 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

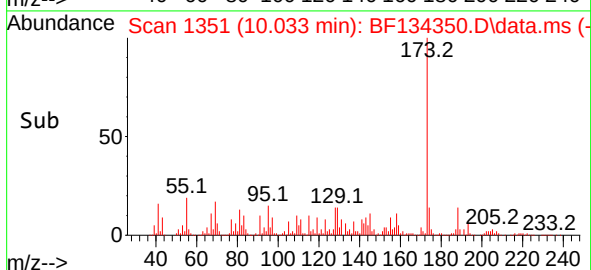
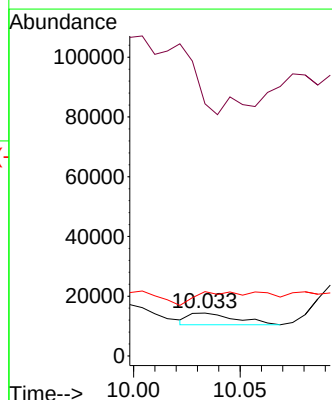
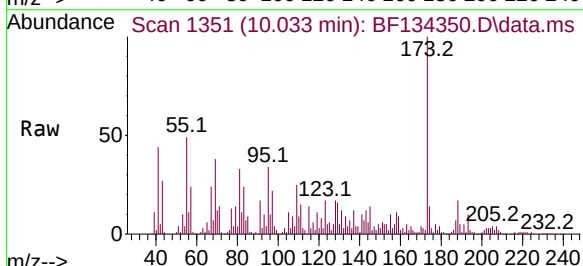
Tgt Ion:139 Resp: 5933

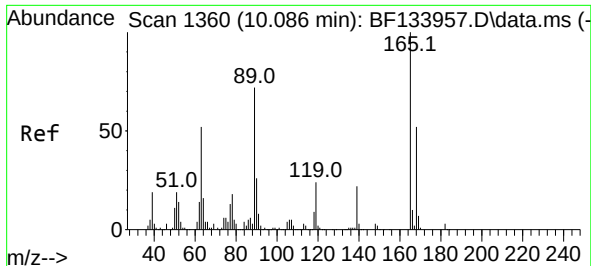
Ion Ratio Lower Upper

139 100

109 587.8 56.8 96.8#

65 150.1 86.1 126.1#

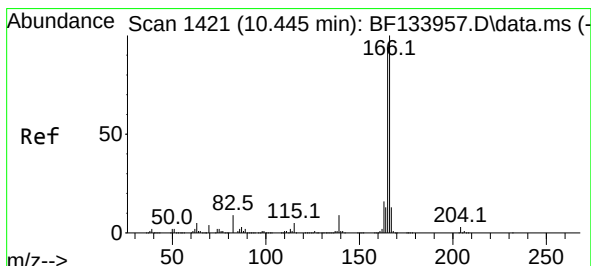
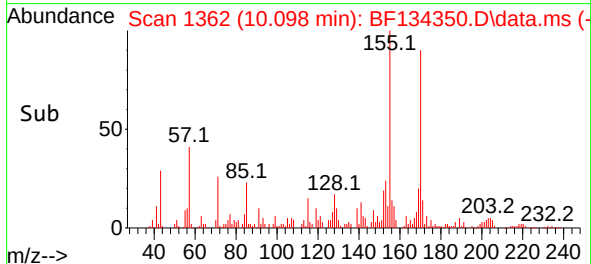
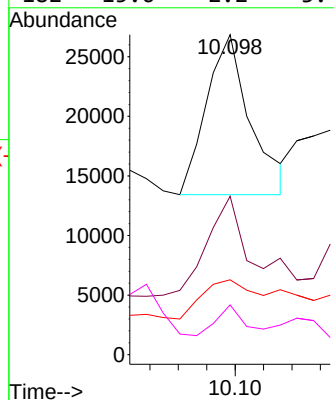
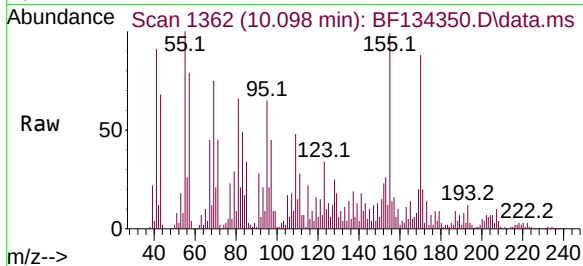




#57
2,4-Dinitrotoluene
Concen: 7.747 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

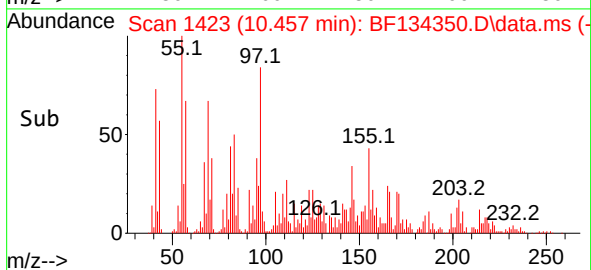
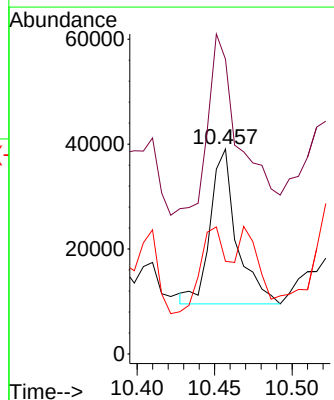
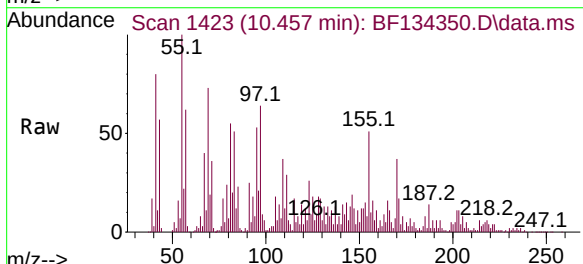
Instrument :
BNA_F
ClientSampleId :
73742RE

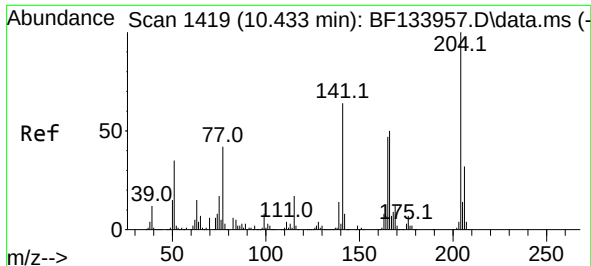
Tgt Ion:165 Resp: 14346
Ion Ratio Lower Upper
165 100
63 49.5 42.2 63.2
89 23.4 57.4 86.2#
182 15.6 2.2 3.4#



#58
Fluorene
Concen: 5.513 ng
RT: 10.457 min Scan# 1423
Delta R.T. 0.024 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Tgt Ion:166 Resp: 34972
Ion Ratio Lower Upper
166 100
165 143.8 75.0 112.4#
167 45.2 10.6 15.8#

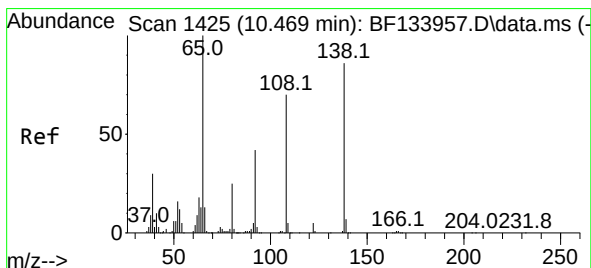
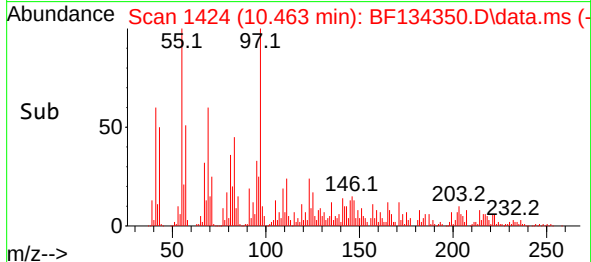
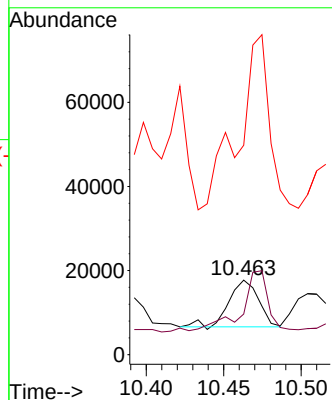
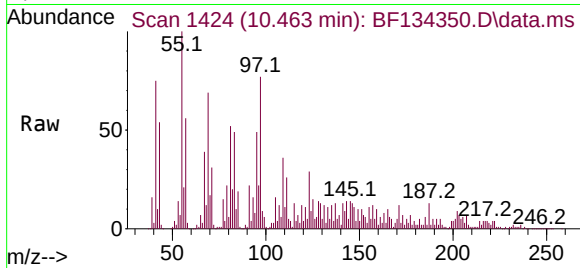




#61
4-Chlorophenyl-phenylether
Concen: 4.831 ng
RT: 10.463 min Scan# 1419
Delta R.T. 0.035 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

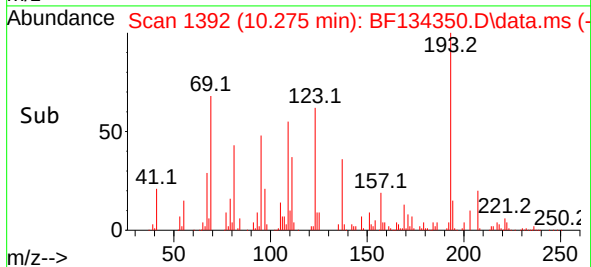
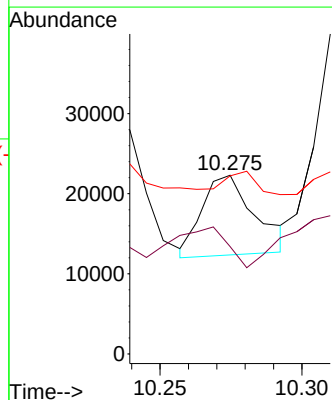
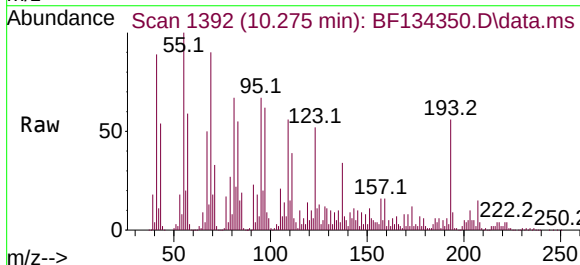
Instrument :
BNA_F
ClientSampleId :
73742RE

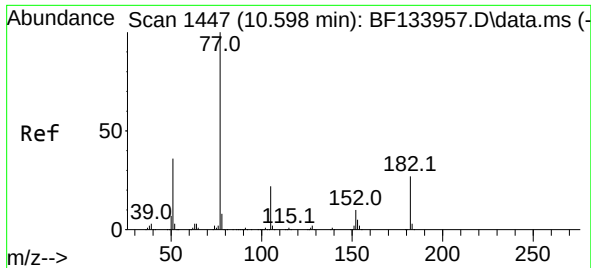
Tgt Ion:204 Resp: 14770
Ion Ratio Lower Upper
204 100
206 54.7 25.8 38.6#
141 281.0 51.5 77.3#



#62
4-Nitroaniline
Concen: 7.625 ng
RT: 10.275 min Scan# 1392
Delta R.T. -0.188 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Tgt Ion:138 Resp: 12927
Ion Ratio Lower Upper
138 100
92 60.1 29.7 69.7
108 99.7 62.1 102.1

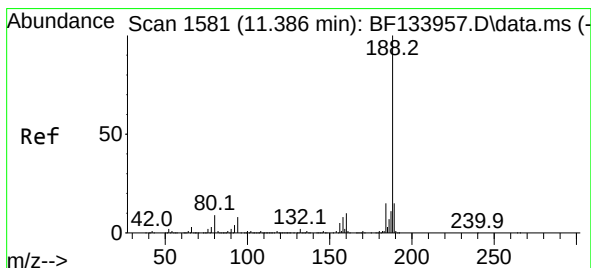
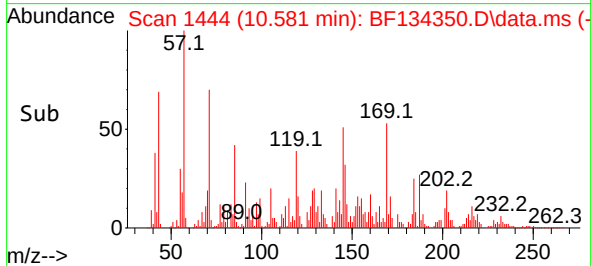
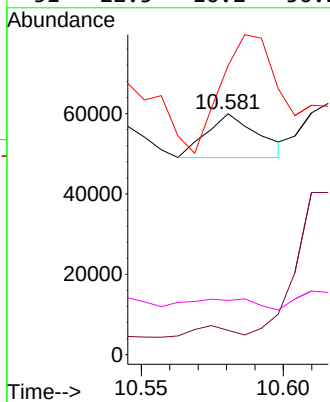
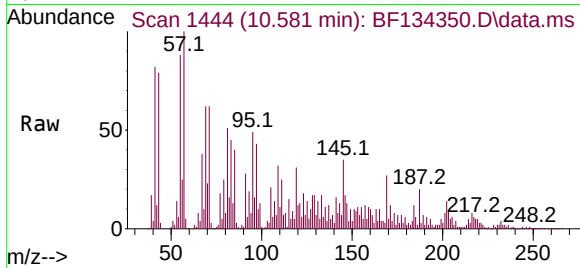




#63
 Azobenzene
 Concen: 2.140 ng
 RT: 10.581 min Scan# 1444
 Delta R.T. -0.006 min
 Lab File: BF134350.D
 Acq: 18 Jul 2023 21:56

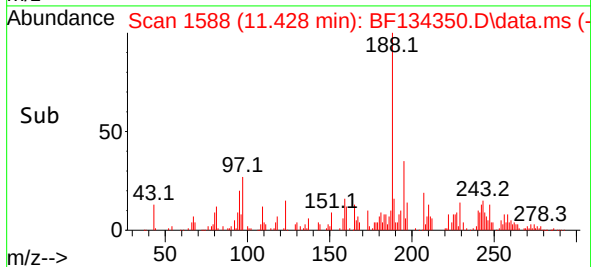
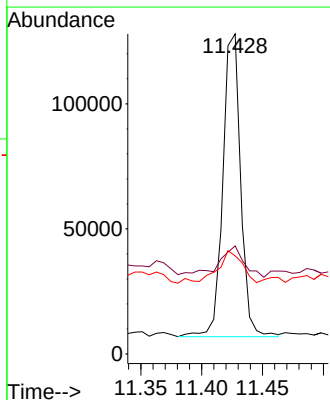
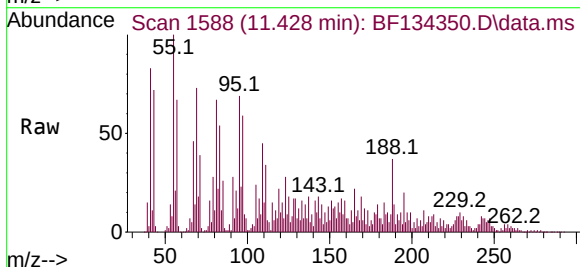
Instrument :
 BNA_F
 ClientSampleId :
 73742RE

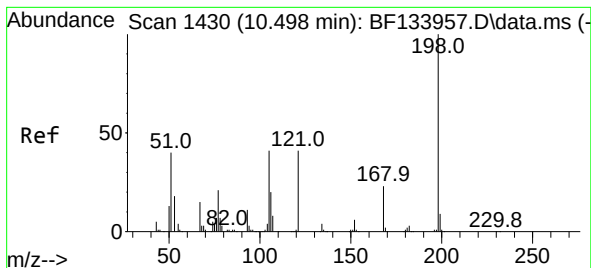
Tgt Ion: 77	Resp: 13730
Ion Ratio	Lower Upper
77 100	
182 10.1	6.8 46.8
105 120.0	2.3 42.3#
51 22.5	16.2 56.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.428 min Scan# 1588
 Delta R.T. 0.053 min
 Lab File: BF134350.D
 Acq: 18 Jul 2023 21:56

Tgt Ion:188	Resp:	123757	
Ion	Ratio	Lower	Upper
188	100		
94	33.8	6.4	9.6#
80	30.7	7.3	10.9#

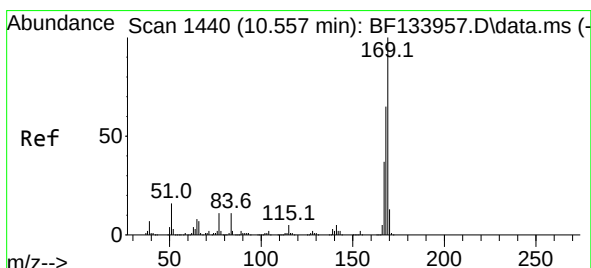
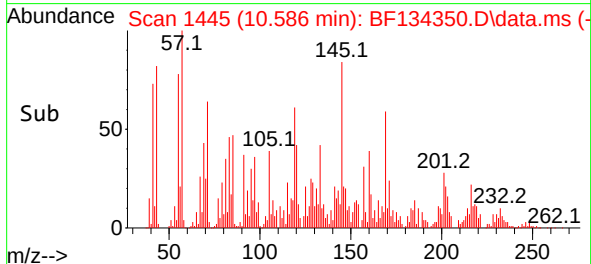
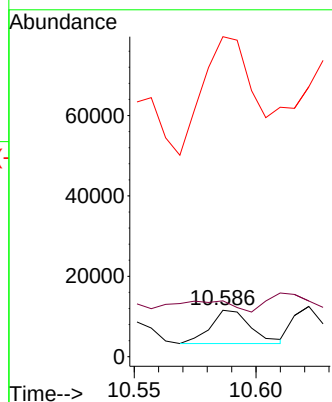
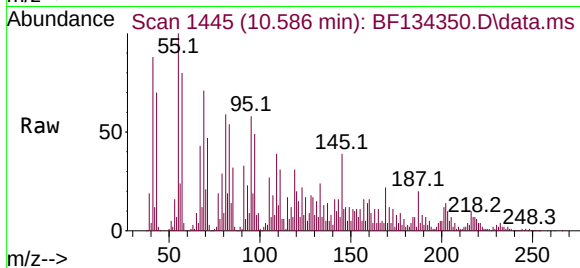




#65
4,6-Dinitro-2-methylphenol
Concen: 14.107 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.094 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

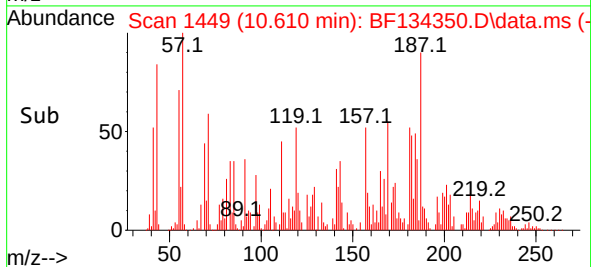
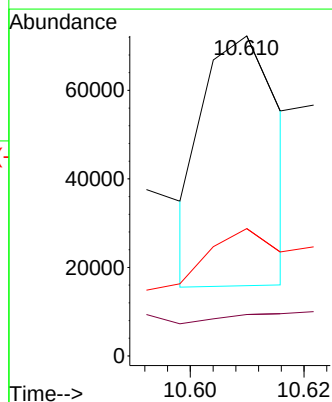
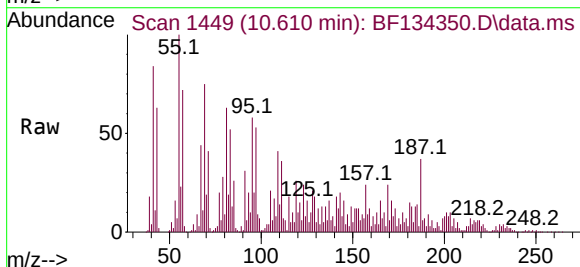
Instrument :
BNA_F
ClientSampleId :
73742RE

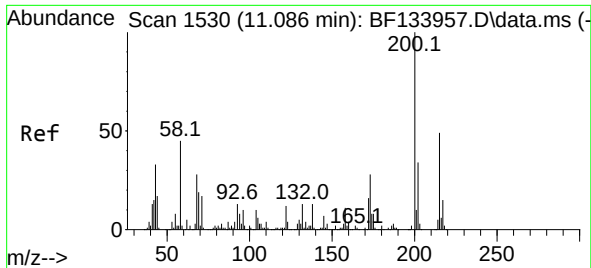
Tgt Ion:198 Resp: 9518
Ion Ratio Lower Upper
198 100
51 120.5 29.3 69.3#
105 690.1 22.4 62.4#



#66
n-Nitrosodiphenylamine
Concen: 13.120 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.065 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Tgt Ion:169 Resp: 51879
Ion Ratio Lower Upper
169 100
168 13.0 52.3 78.5#
167 39.8 29.4 44.0

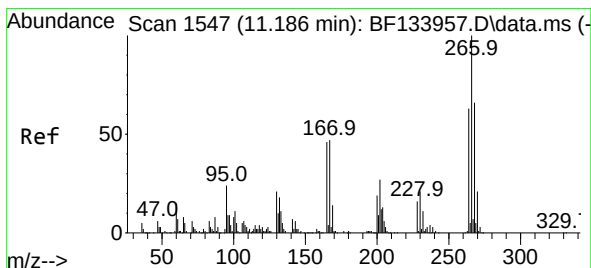
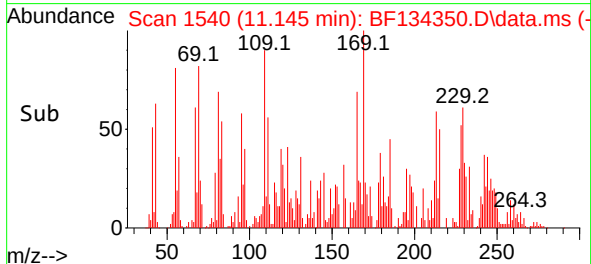
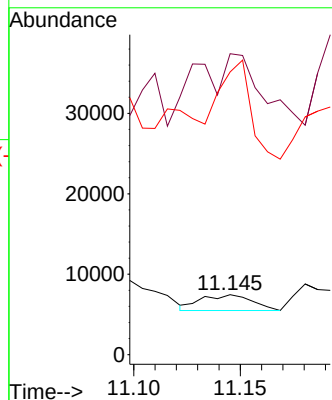
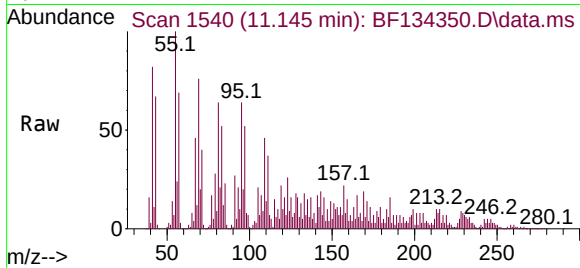




#69
Atrazine
Concen: 2.971 ng
RT: 11.145 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

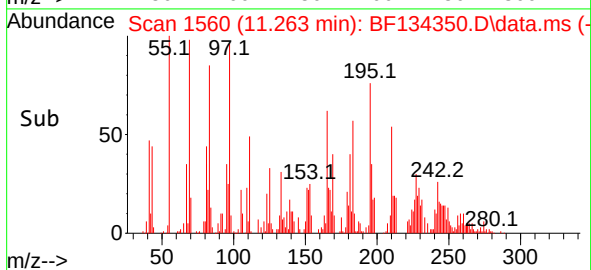
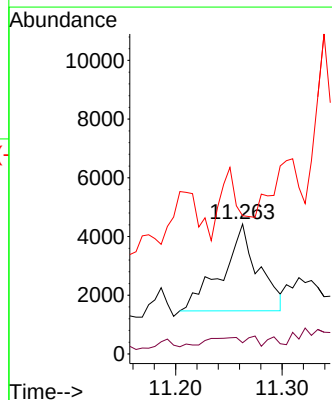
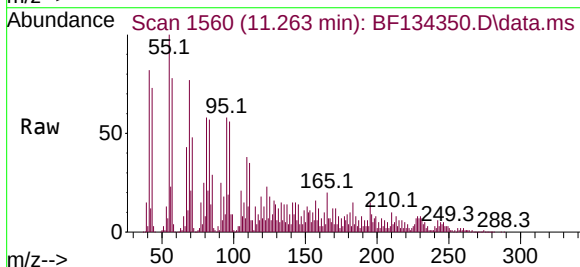
Instrument :
BNA_F
ClientSampleId :
73742RE

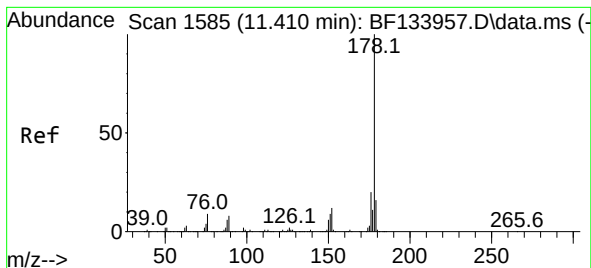
Tgt Ion:200 Resp: 3249
Ion Ratio Lower Upper
200 100
173 502.1 8.0 48.0#
215 471.5 29.3 69.3#



#70
Pentachlorophenol
Concen: 8.391 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.082 min
Lab File: BF134350.D
Acq: 18 Jul 2023 21:56

Tgt Ion:266 Resp: 7007
Ion Ratio Lower Upper
266 100
268 8.7 52.6 79.0#
264 106.4 50.6 76.0#





#71

Phenanthrene

Concen: 25.271 ng

RT: 11.451 min Scan# 11

Delta R.T. 0.047 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

Instrument :

BNA_F

ClientSampleId :

73742RE

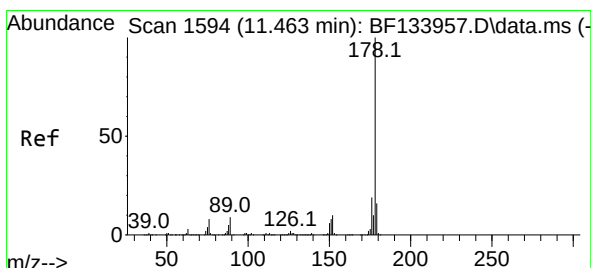
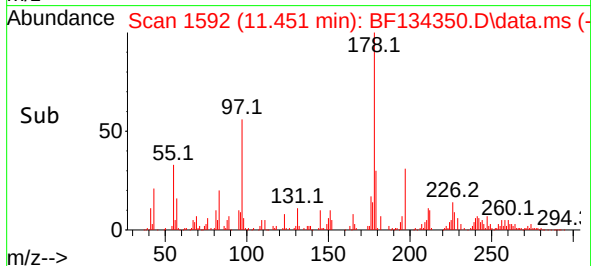
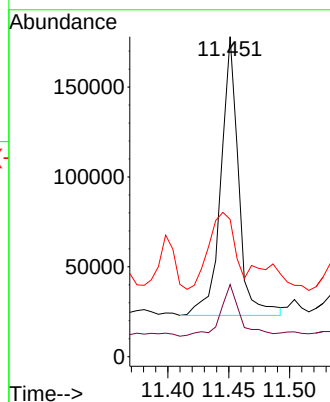
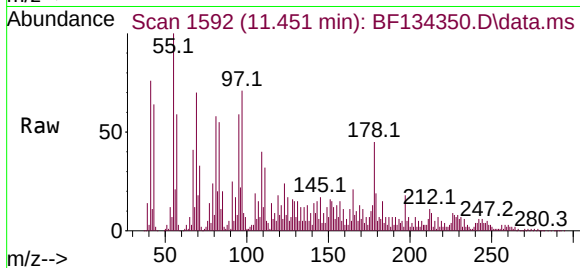
Tgt Ion:178 Resp: 157440

Ion Ratio Lower Upper

178 100

176 22.6 16.0 24.0

179 42.9 12.4 18.6#



#72

Anthracene

Concen: 5.111 ng

RT: 11.551 min Scan# 1609

Delta R.T. 0.094 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

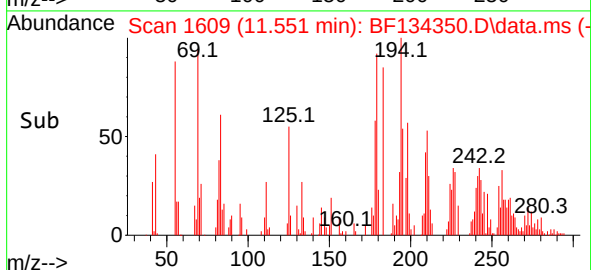
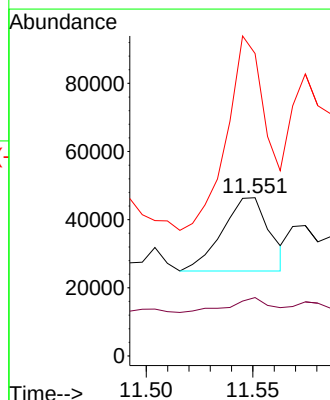
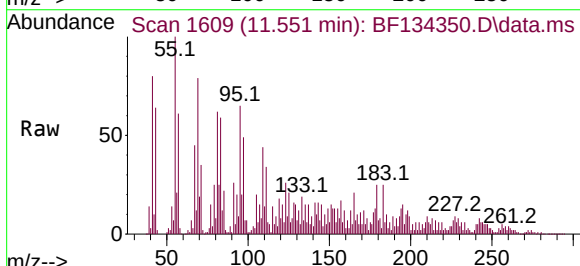
Tgt Ion:178 Resp: 33119

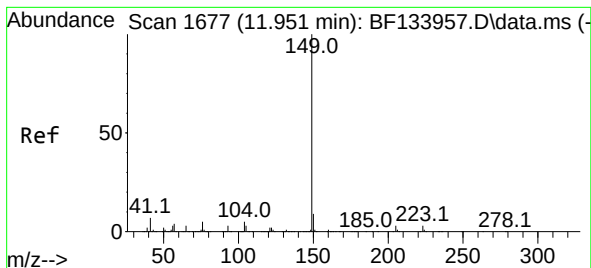
Ion Ratio Lower Upper

178 100

176 36.9 15.3 22.9#

179 191.2 12.4 18.6#





#74

Di-n-butylphthalate

Concen: 14.832 ng

RT: 11.980 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

Instrument :

BNA_F

ClientSampleId :

73742RE

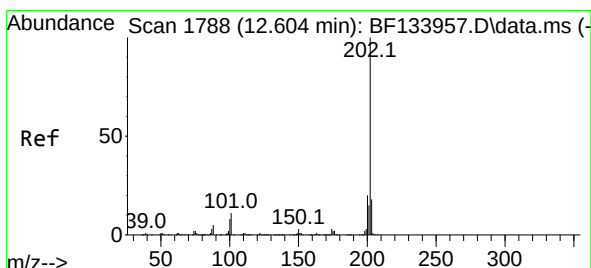
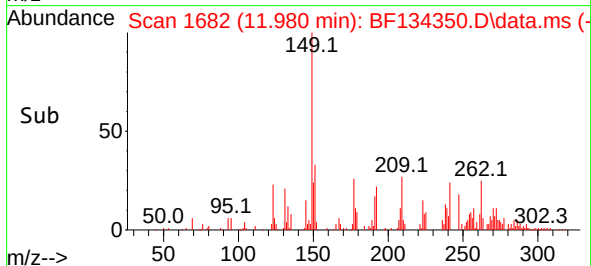
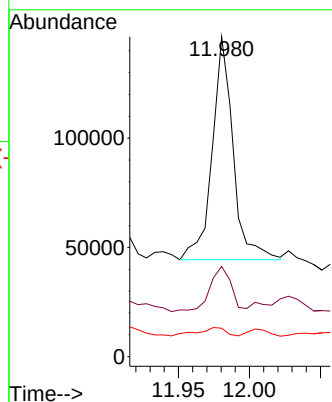
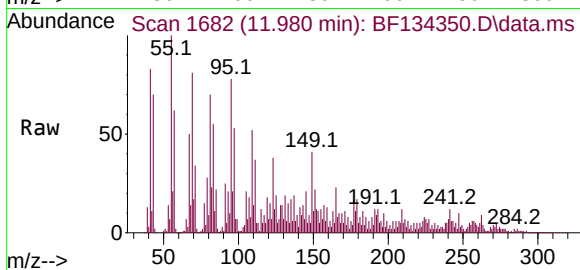
Tgt Ion:149 Resp: 104613

Ion Ratio Lower Upper

149 100

150 28.2 7.1 10.7#

104 8.9 4.0 6.0#



#75

Fluoranthene

Concen: 2.376 ng

RT: 12.651 min Scan# 1796

Delta R.T. 0.053 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

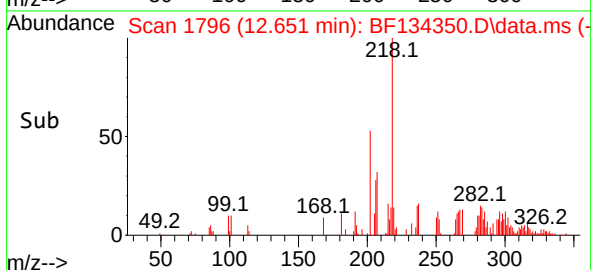
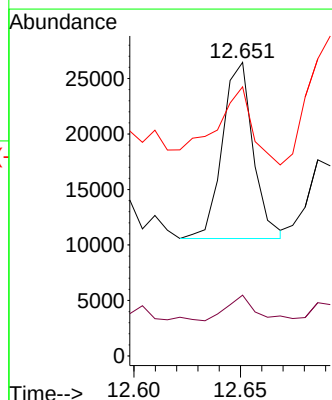
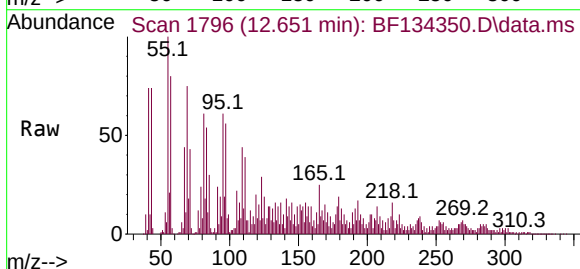
Tgt Ion:202 Resp: 16002

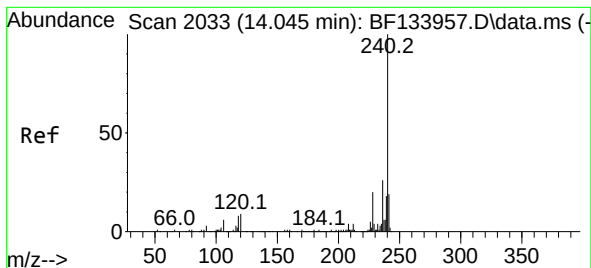
Ion Ratio Lower Upper

202 100

101 20.7 0.0 31.0

203 91.7 0.0 37.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.018 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

Instrument :

BNA_F

ClientSampleId :

73742RE

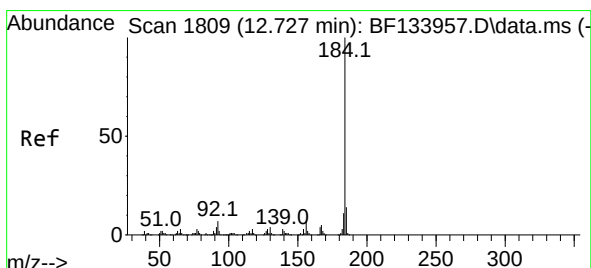
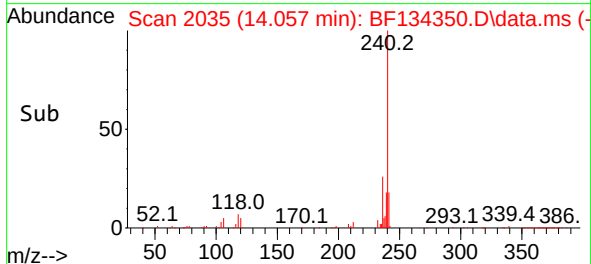
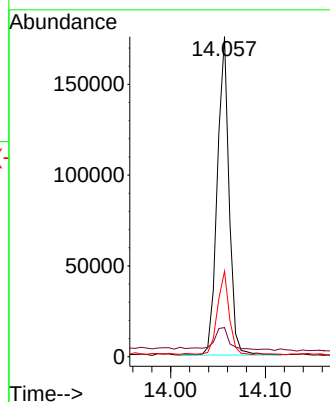
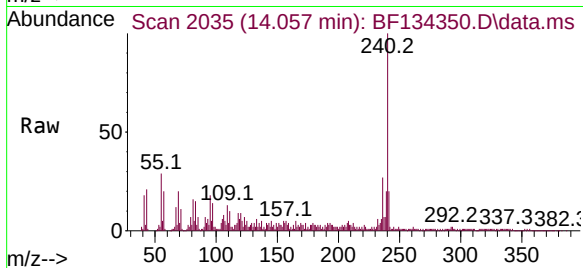
Tgt Ion:240 Resp: 152435

Ion Ratio Lower Upper

240 100

120 9.1 7.4 11.0

236 26.7 21.0 31.6



#77

Benzidine

Concen: 4.051 ng

RT: 12.710 min Scan# 1806

Delta R.T. -0.018 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

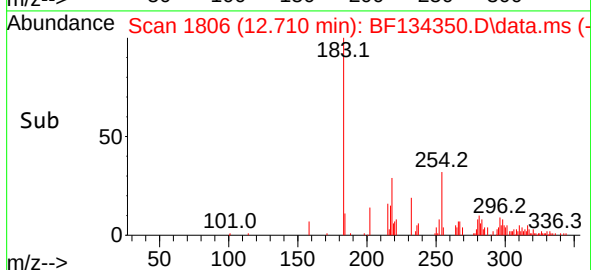
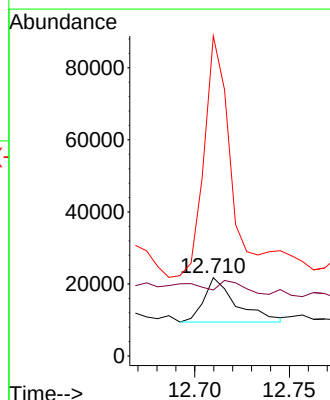
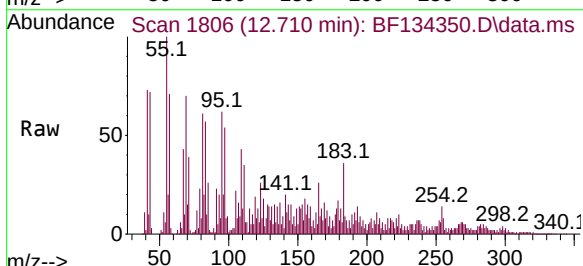
Tgt Ion:184 Resp: 14694

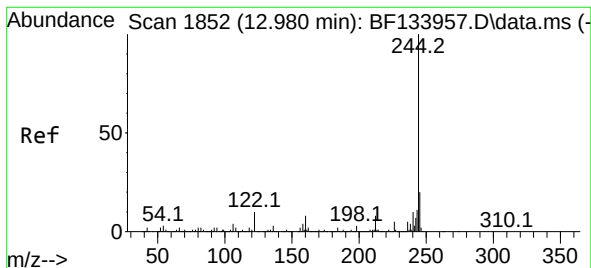
Ion Ratio Lower Upper

184 100

185 84.2 11.6 17.4#

183 409.1 8.8 13.2#





#79

Terphenyl-d14

Concen: 8.445 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.030 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

Instrument :

BNA_F

ClientSampleId :

73742RE

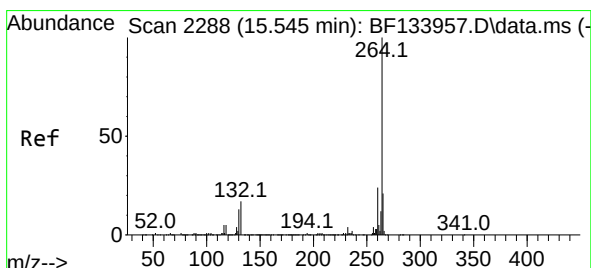
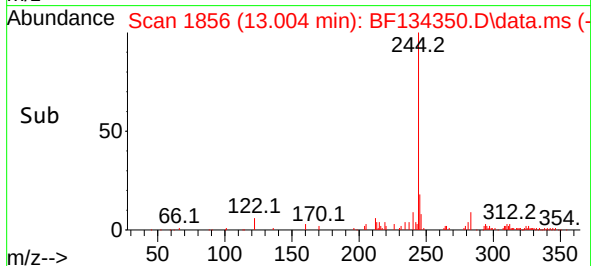
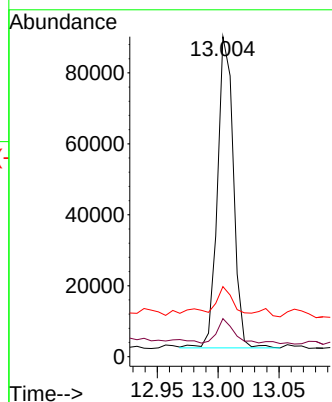
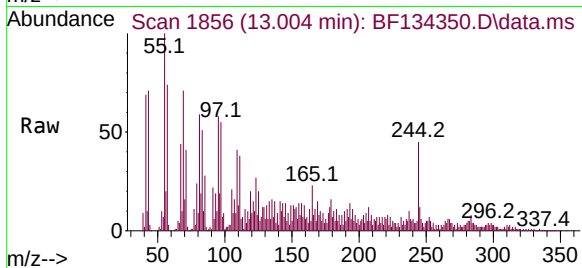
Tgt Ion:244 Resp: 79984

Ion Ratio Lower Upper

244 100

212 11.9 6.0 9.0#

122 21.9 8.3 12.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF134350.D

Acq: 18 Jul 2023 21:56

Tgt Ion:264 Resp: 161847

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.6 16.6 25.0

