

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135231.D
 Acq On : 13 Sep 2023 19:48
 Operator : CG\JU
 Sample : 04321-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2345

Quant Time: Sep 14 02:22:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

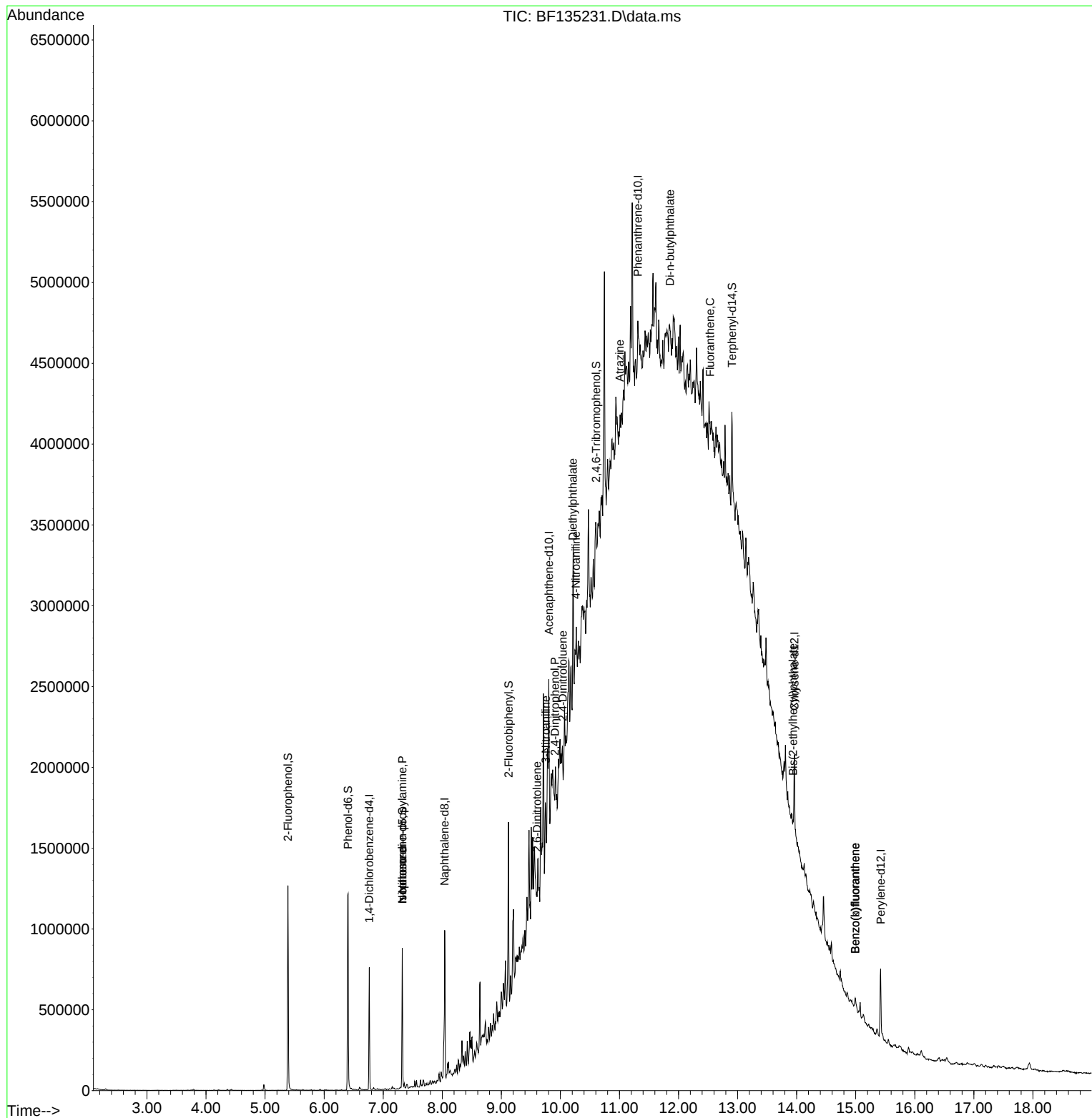
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	100146	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	346815	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	120307	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	155663	20.000	ng	# 0.02
76) Chrysene-d12	13.963	240	181350	20.000	ng	0.02
86) Perylene-d12	15.421	264	200085	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	320245	52.010	ng	0.00
7) Phenol-d6	6.404	99	405261	51.761	ng	0.00
23) Nitrobenzene-d5	7.322	82	227611	35.656	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	54080	45.234	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	321605	40.331	ng	0.00
79) Terphenyl-d14	12.904	244	219412	18.755	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	30522	6.294	ng	# 80
25) Isophorone	7.322	82	225338	19.224	ng	# 65
51) 2,6-Dinitrotoluene	9.604	165	4929	2.766	ng	# 23
53) 3-Nitroaniline	9.751	138	6637	3.173	ng	# 27
54) 2,4-Dinitrophenol	9.904	184	64	6.306	ng	# 1
57) 2,4-Dinitrotoluene	10.039	165	10091	4.524	ng	# 32
60) Diethylphthalate	10.210	149	16985	2.081	ng	# 51
62) 4-Nitroaniline	10.263	138	14535	7.229	ng	87
69) Atrazine	11.004	200	2944	2.322	ng	# 1
74) Di-n-butylphthalate	11.857	149	23876	2.941	ng	# 31
75) Fluoranthene	12.533	202	21310	2.778	ng	# 53
84) Bis(2-ethylhexyl)phtha...	13.939	149	14042	2.251	ng	# 80
88) Benzo(b)fluoranthene	14.992	252	28971	2.675	ng	# 59
89) Benzo(k)fluoranthene	14.992	252	28971	2.708	ng	# 59

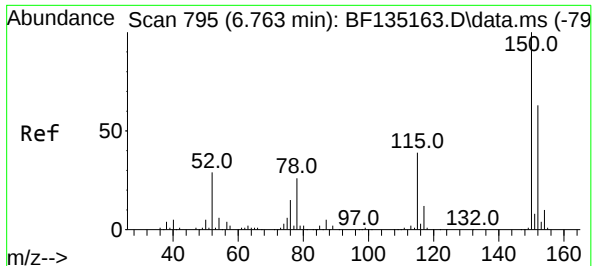
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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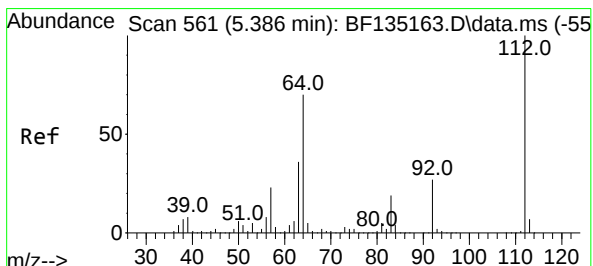
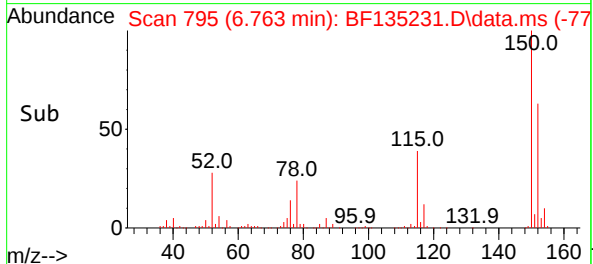
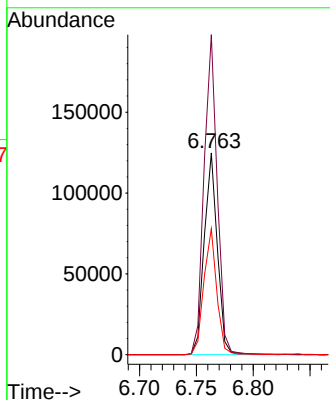
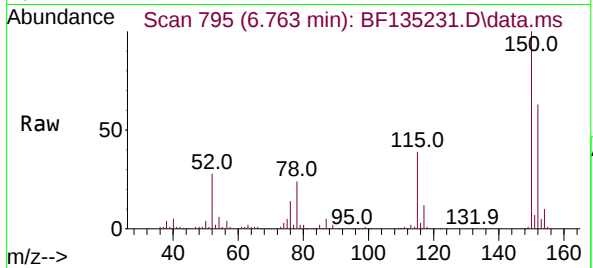




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.763 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135231.D
 Acq: 13 Sep 2023 19:48

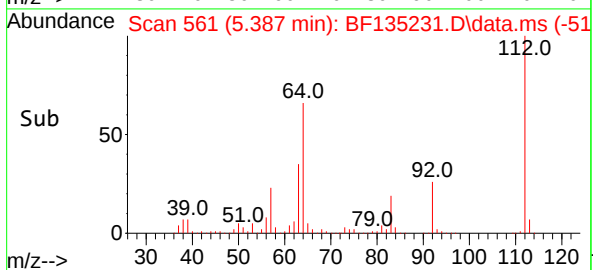
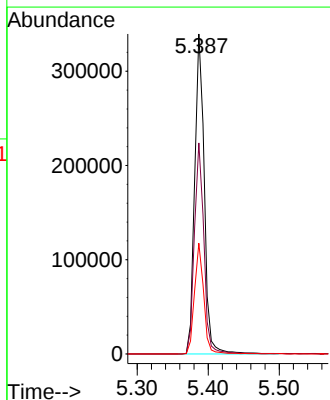
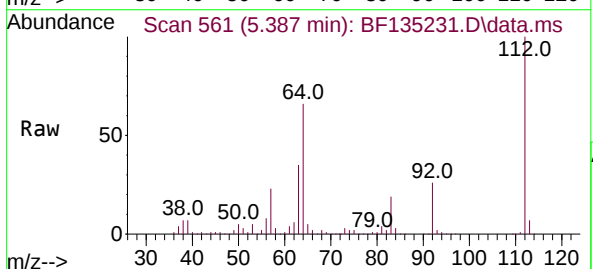
Instrument :
 BNA_F
 ClientSampleId :
 RT2345

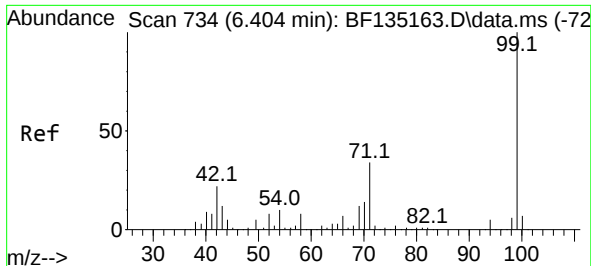
Tgt Ion:152 Resp: 100146
 Ion Ratio Lower Upper
 152 100
 150 158.6 127.8 191.6
 115 62.4 49.8 74.8



#5
 2-Fluorophenol
 Concen: 52.010 ng
 RT: 5.387 min Scan# 561
 Delta R.T. 0.000 min
 Lab File: BF135231.D
 Acq: 13 Sep 2023 19:48

Tgt Ion:112 Resp: 320245
 Ion Ratio Lower Upper
 112 100
 64 66.0 55.9 83.9
 63 34.6 29.0 43.6

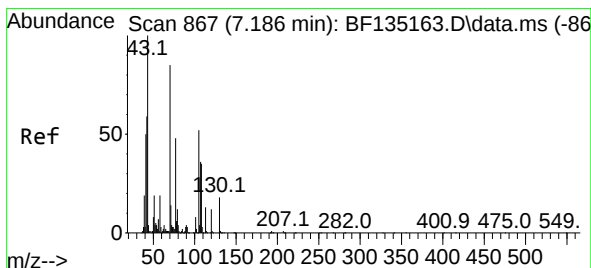
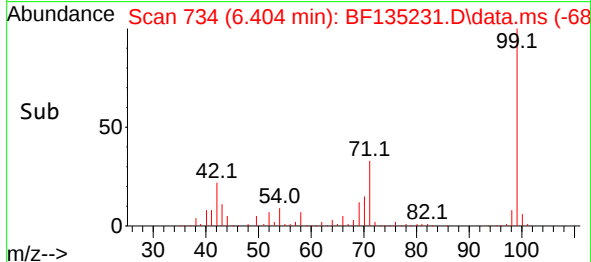
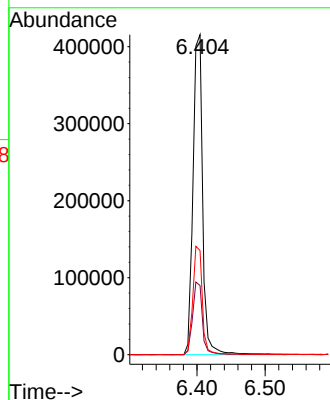
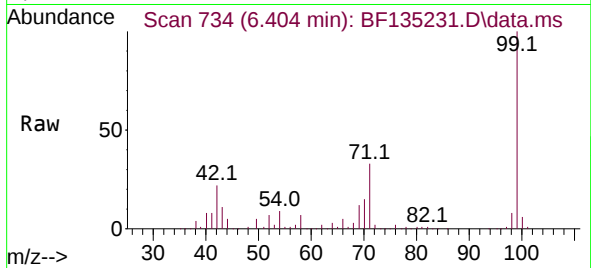




#7
Phenol-d6
Concen: 51.761 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135231.D
Acq: 13 Sep 2023 19:48

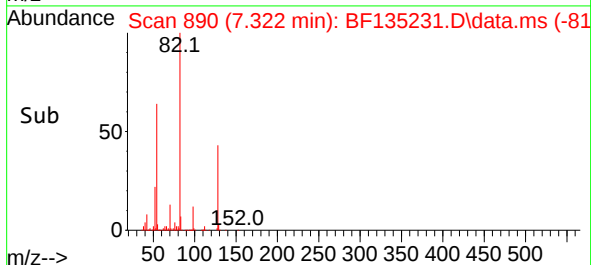
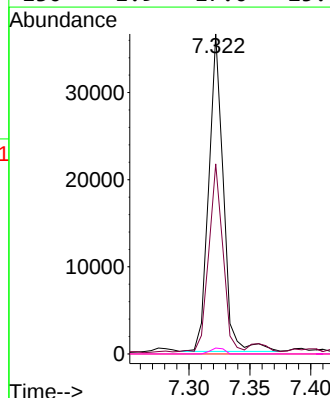
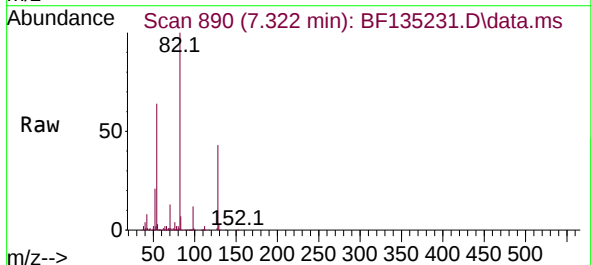
Instrument :
BNA_F
ClientSampleId :
RT2345

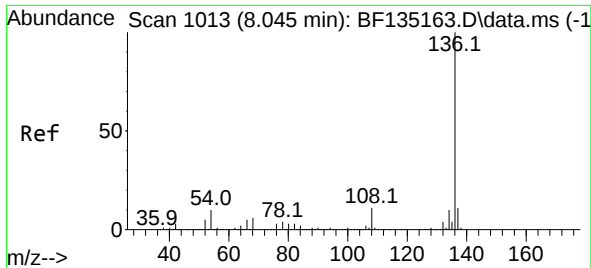
Tgt Ion: 99 Resp: 405261
Ion Ratio Lower Upper
99 100
42 21.6 17.9 26.9
71 32.6 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 6.294 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.136 min
Lab File: BF135231.D
Acq: 13 Sep 2023 19:48

Tgt Ion: 70 Resp: 30522
Ion Ratio Lower Upper
70 100
42 59.4 55.4 83.0
101 0.0 7.7 11.5#
130 1.9 17.0 25.6#

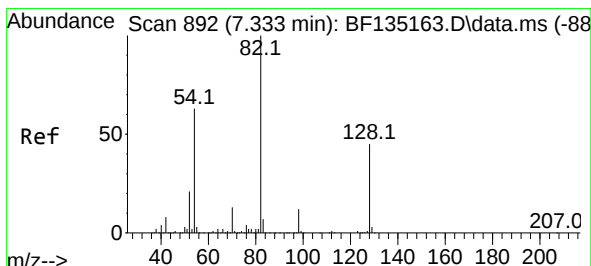
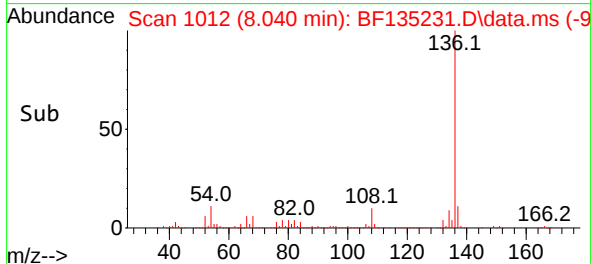
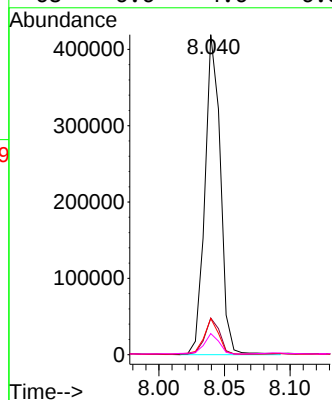
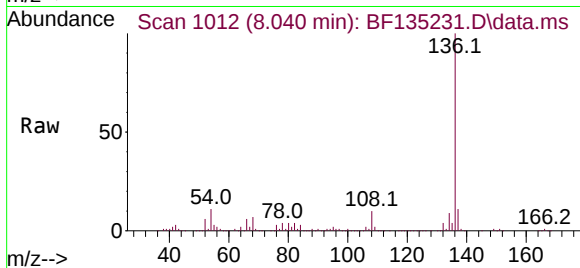




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135231.D
Acq: 13 Sep 2023 19:48

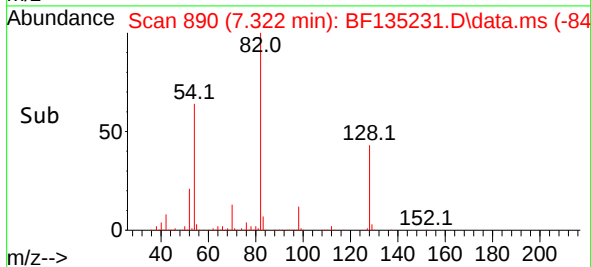
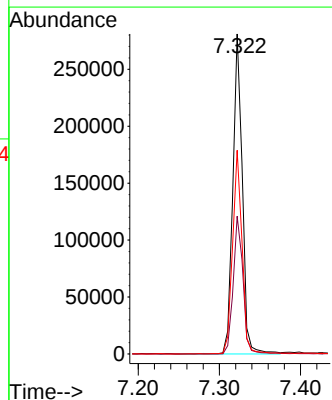
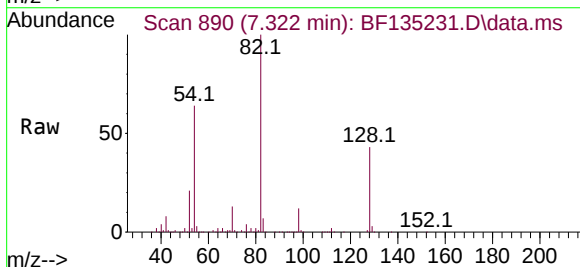
Instrument :
BNA_F
ClientSampleId :
RT2345

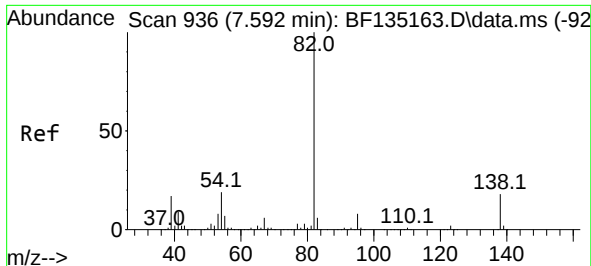
Tgt Ion:	136	Resp:	346815
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.8	13.2
54	11.3	7.7	11.5
68	6.6	4.6	6.8



#23
Nitrobenzene-d5
Concen: 35.656 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135231.D
Acq: 13 Sep 2023 19:48

Tgt Ion:	82	Resp:	227611
Ion Ratio	Lower	Upper	
82	100		
128	43.1	35.8	53.6
54	63.7	50.6	76.0

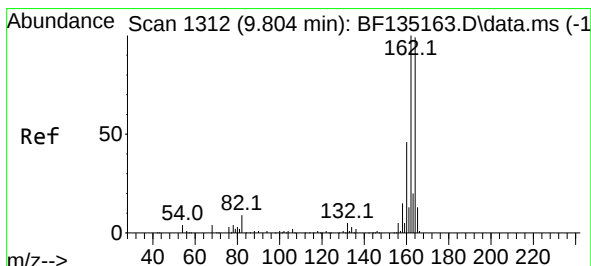
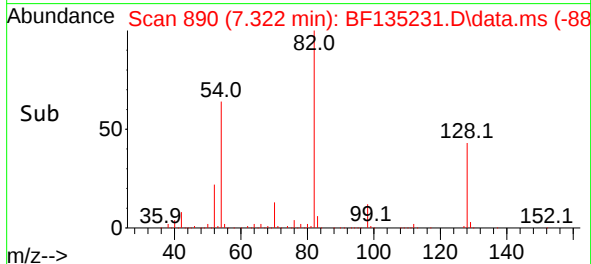
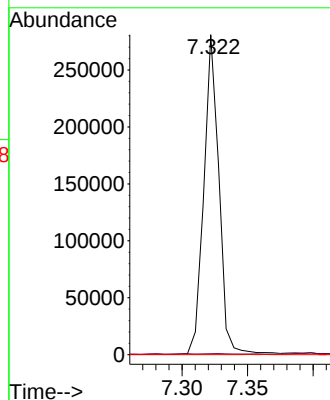
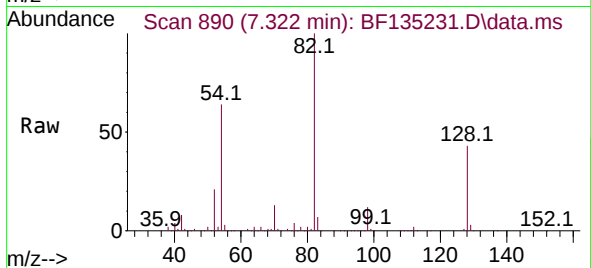




#25
Isophorone
Concen: 19.224 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.270 min
Lab File: BF135231.D
Acq: 13 Sep 2023 19:48

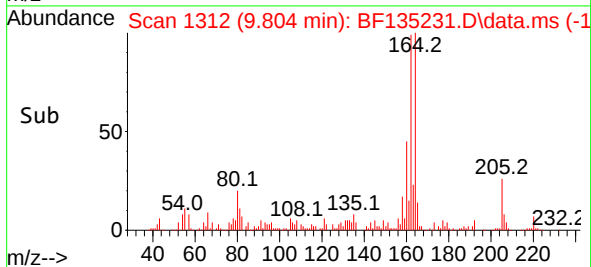
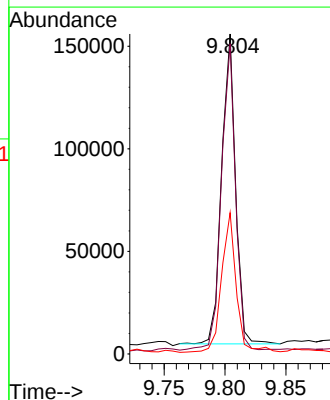
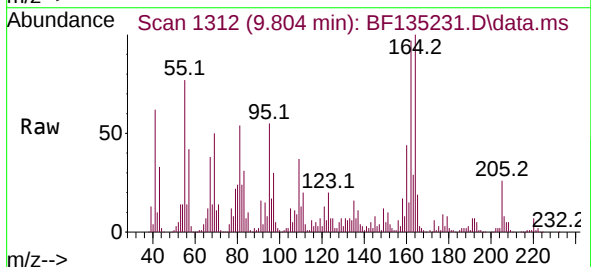
Instrument :
BNA_F
ClientSampleId :
RT2345

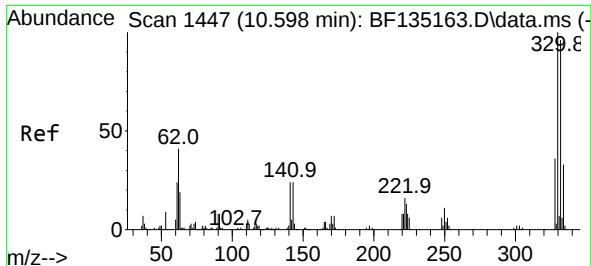
Tgt Ion: 82 Resp: 225338
Ion Ratio Lower Upper
82 100
95 0.3 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.000 min
Lab File: BF135231.D
Acq: 13 Sep 2023 19:48

Tgt Ion:164 Resp: 120307
Ion Ratio Lower Upper
164 100
162 97.0 81.0 121.4
160 44.2 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 45.234 ng

RT: 10.604 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

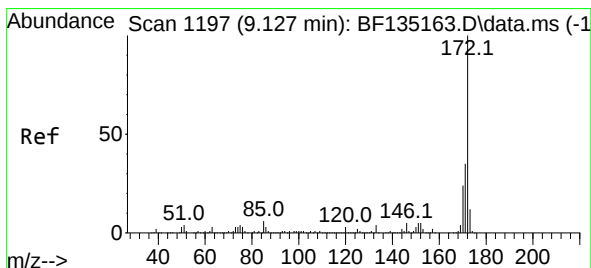
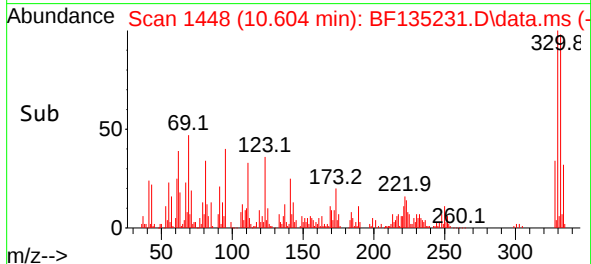
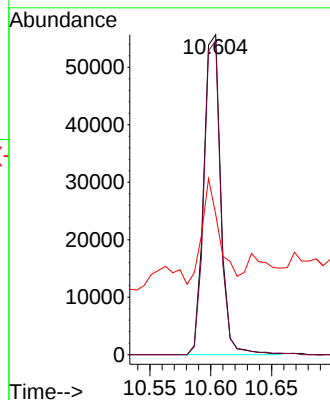
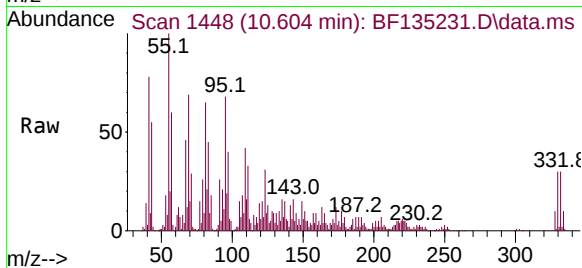
Tgt Ion:330 Resp: 54080

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 33.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 40.331 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

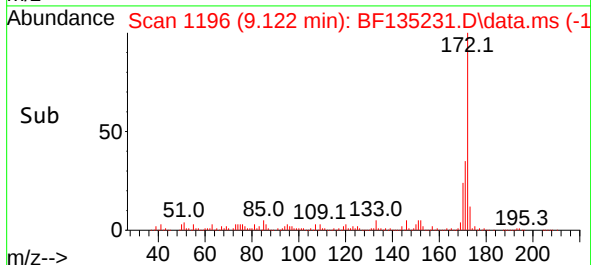
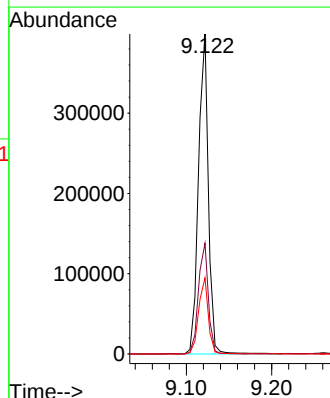
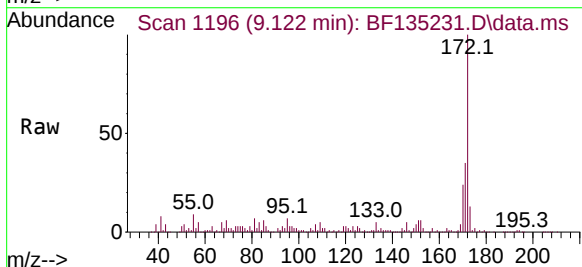
Tgt Ion:172 Resp: 321605

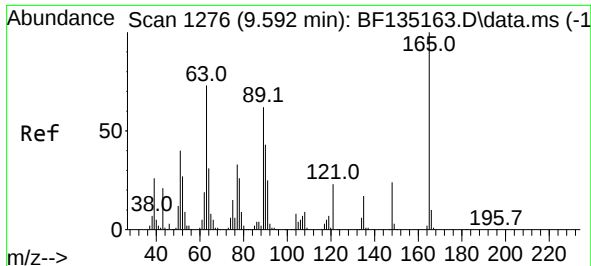
Ion Ratio Lower Upper

172 100

171 34.6 28.4 42.6

170 23.8 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 2.766 ng

RT: 9.604 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

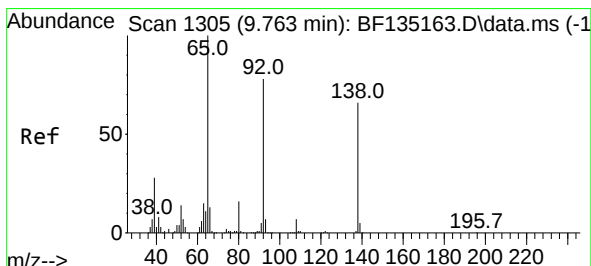
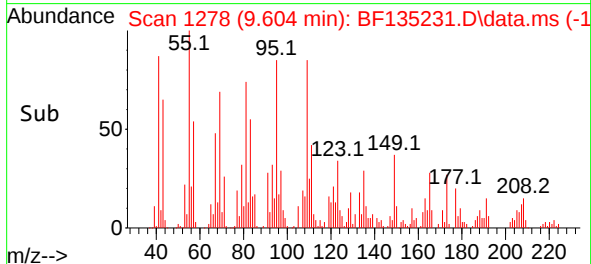
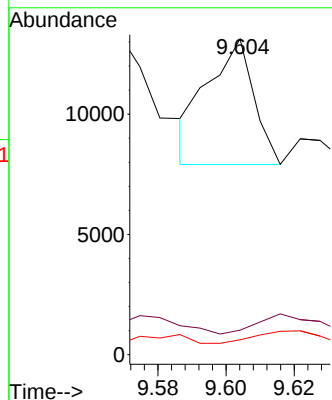
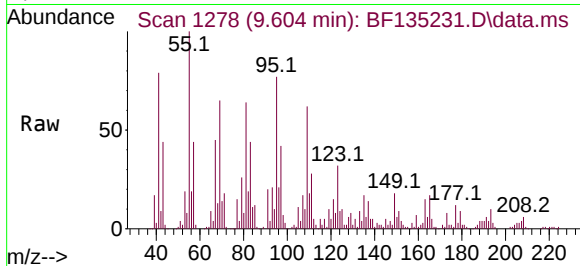
Tgt Ion:165 Resp: 4929

Ion Ratio Lower Upper

165 100

63 7.8 59.4 89.2#

89 4.7 49.8 74.8#



#53

3-Nitroaniline

Concen: 3.173 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.012 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

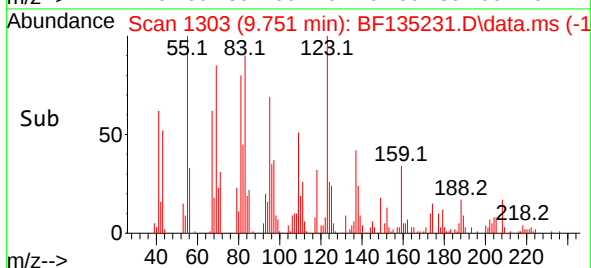
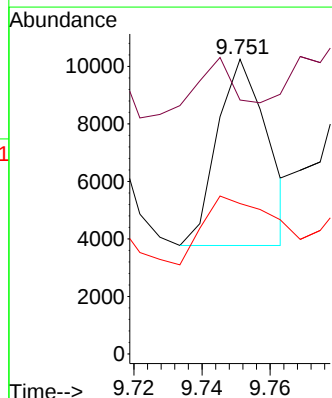
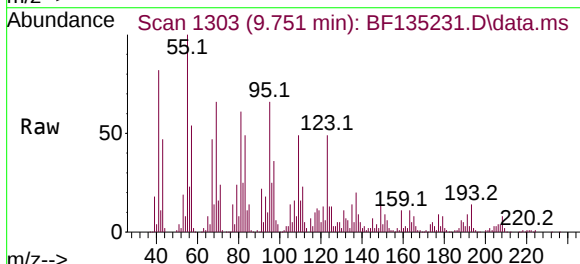
Tgt Ion:138 Resp: 6637

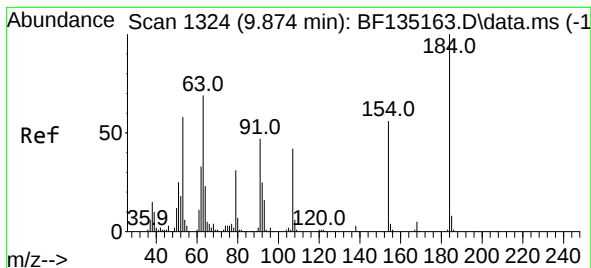
Ion Ratio Lower Upper

138 100

108 86.2 8.5 12.7#

92 51.0 95.4 143.0#





#54

2,4-Dinitrophenol

Concen: 6.306 ng

RT: 9.904 min Scan# 11

Delta R.T. 0.030 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

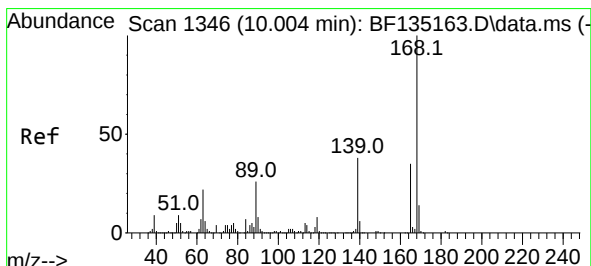
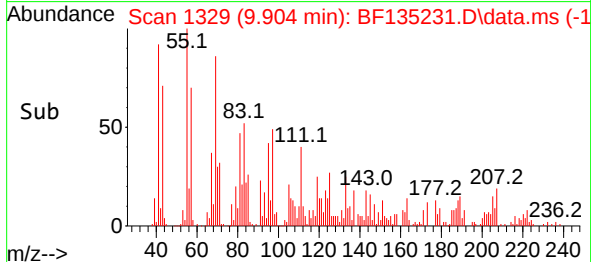
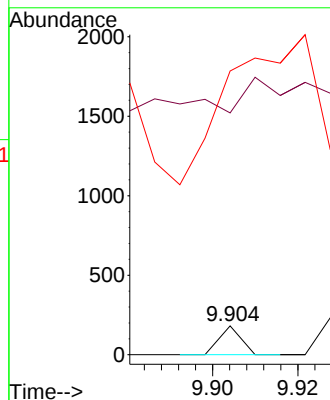
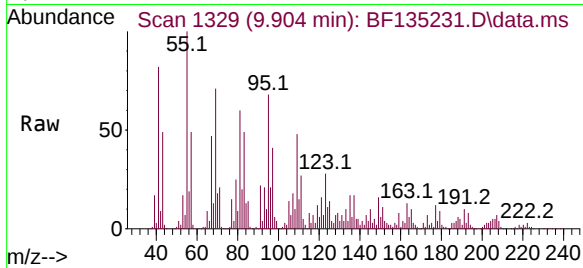
Tgt Ion:184 Resp: 64

Ion Ratio Lower Upper

184 100

63 835.7 55.1 82.7#

154 980.8 48.4 72.6#



#57

2,4-Dinitrotoluene

Concen: 4.524 ng

RT: 10.039 min Scan# 1352

Delta R.T. 0.036 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Tgt Ion:165 Resp: 10091

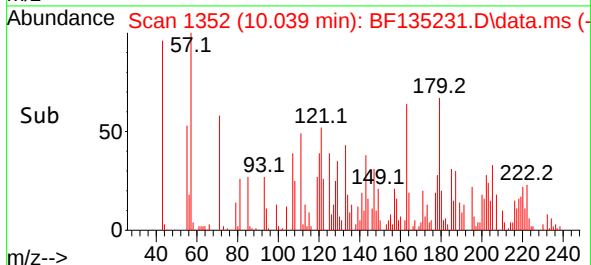
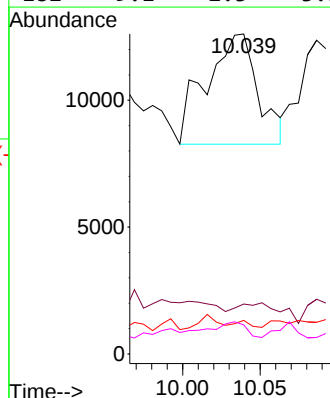
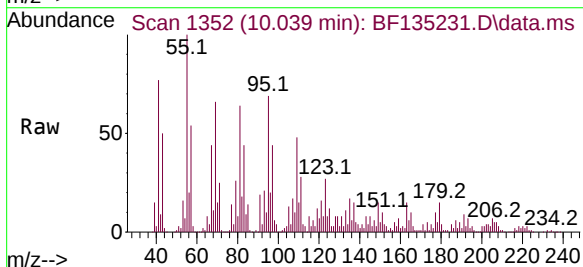
Ion Ratio Lower Upper

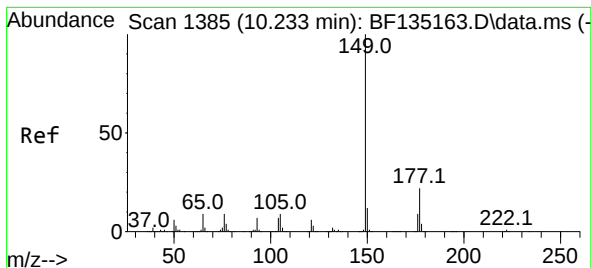
165 100

63 15.6 50.1 75.1#

89 10.5 59.3 88.9#

182 9.1 2.3 3.5#





#60

Diethylphthalate

Concen: 2.081 ng

RT: 10.210 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

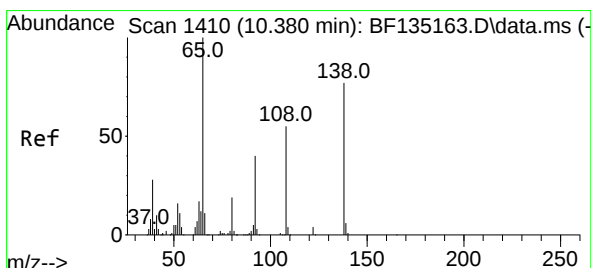
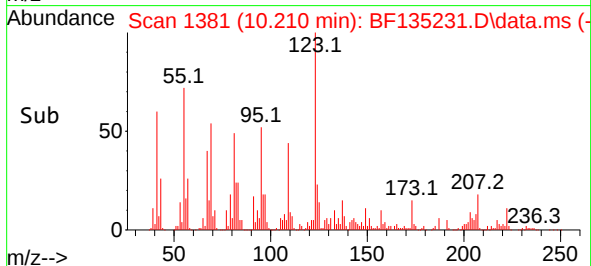
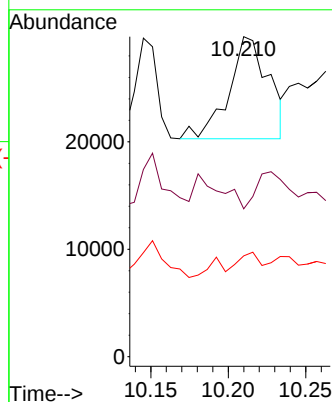
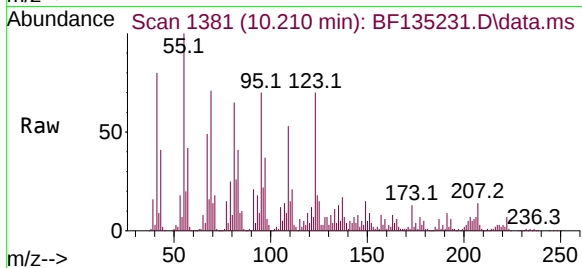
Tgt Ion:149 Resp: 16985

Ion Ratio Lower Upper

149 100

177 46.2 17.8 26.6#

150 31.5 10.0 15.0#



#62

4-Nitroaniline

Concen: 7.229 ng

RT: 10.263 min Scan# 1390

Delta R.T. -0.117 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

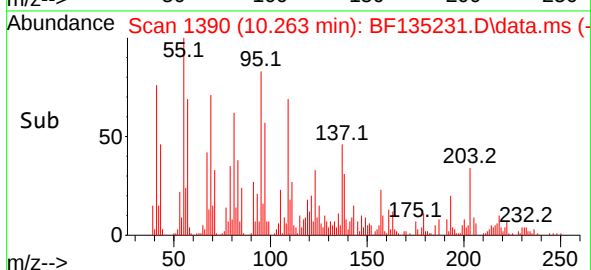
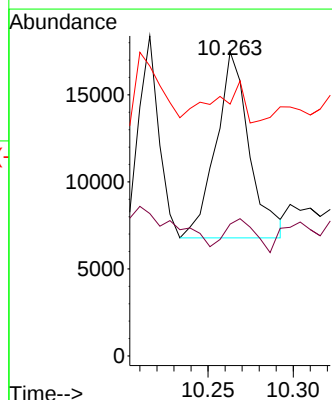
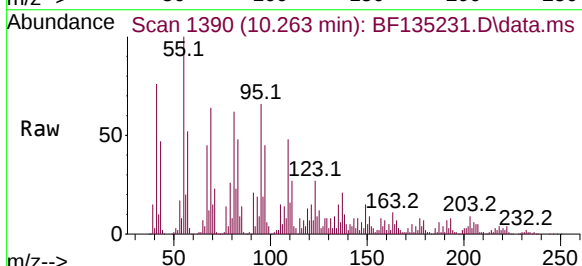
Tgt Ion:138 Resp: 14535

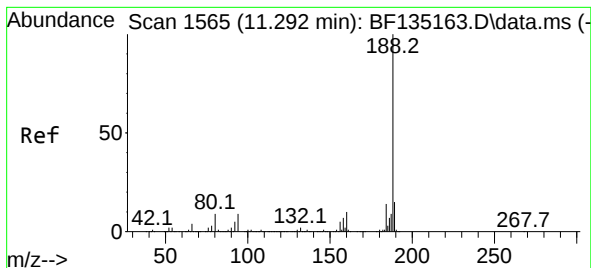
Ion Ratio Lower Upper

138 100

92 43.4 31.8 71.8

108 82.8 52.0 92.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

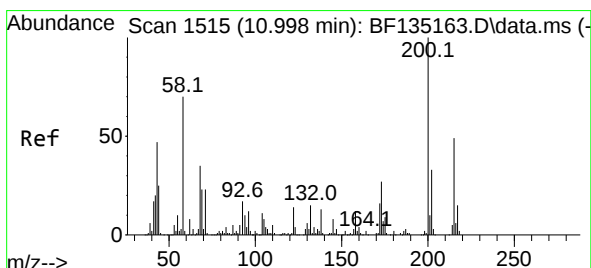
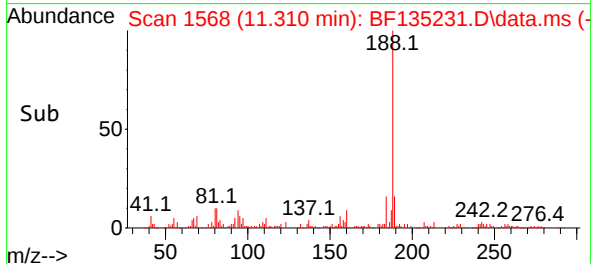
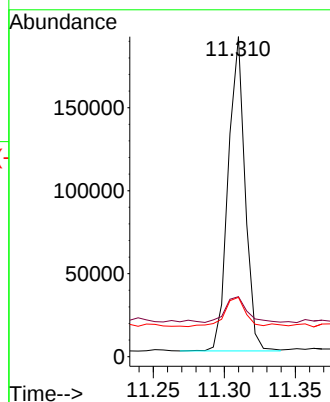
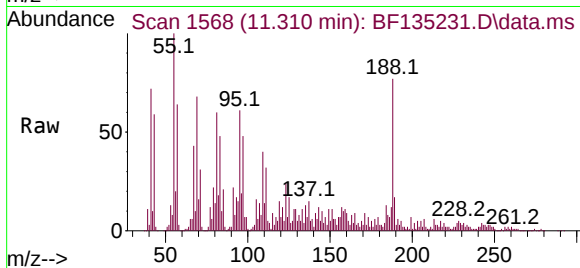
Tgt Ion:188 Resp: 155663

Ion Ratio Lower Upper

188 100

94 18.8 7.0 10.6#

80 18.5 7.5 11.3#



#69

Atrazine

Concen: 2.322 ng

RT: 11.004 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

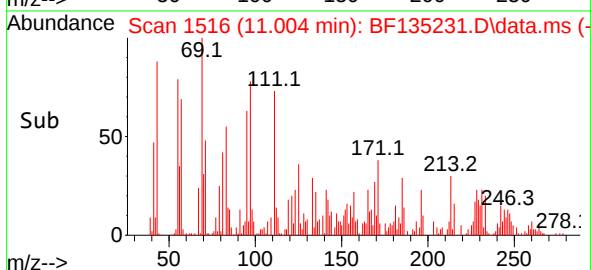
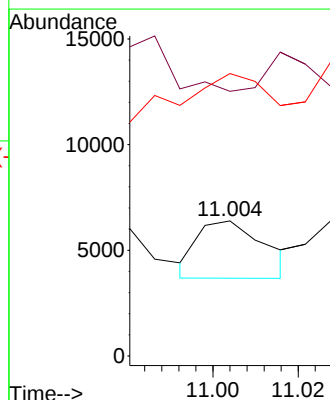
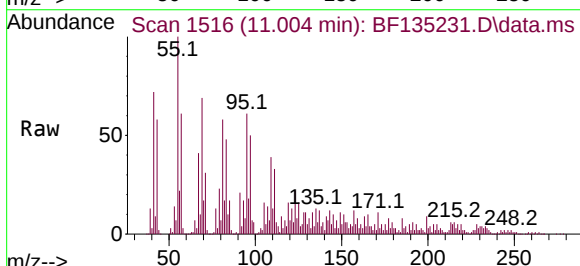
Tgt Ion:200 Resp: 2944

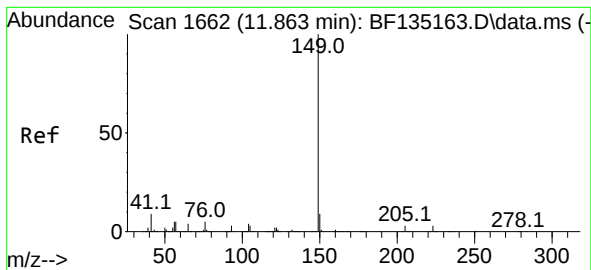
Ion Ratio Lower Upper

200 100

173 195.9 7.4 47.4#

215 209.0 28.6 68.6#





#74

Di-n-butylphthalate

Concen: 2.941 ng

RT: 11.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

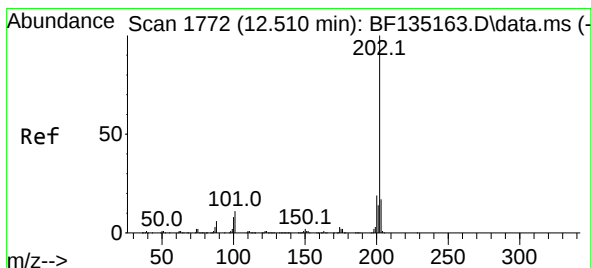
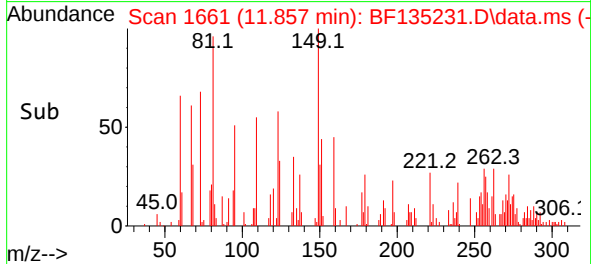
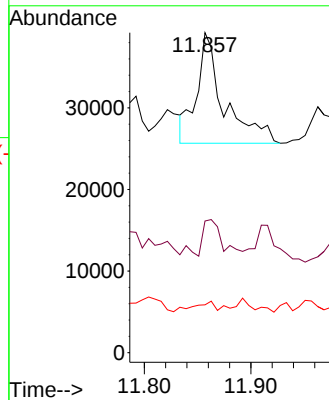
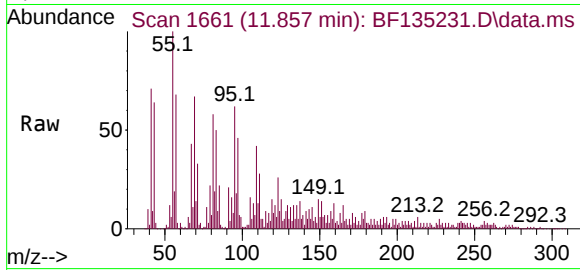
Tgt Ion:149 Resp: 23876

Ion Ratio Lower Upper

149 100

150 41.2 7.4 11.0#

104 14.9 3.6 5.4#



#75

Fluoranthene

Concen: 2.778 ng

RT: 12.533 min Scan# 1776

Delta R.T. 0.024 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

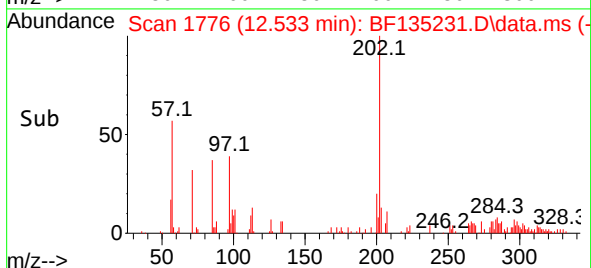
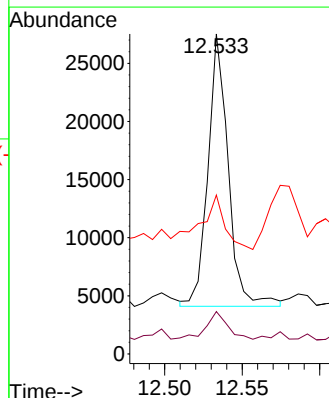
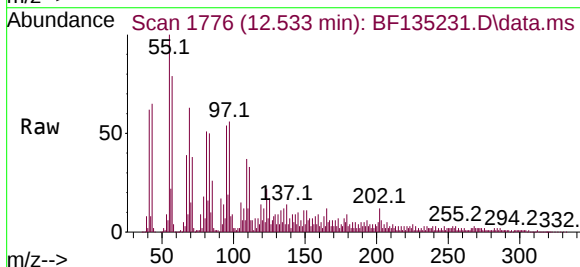
Tgt Ion:202 Resp: 21310

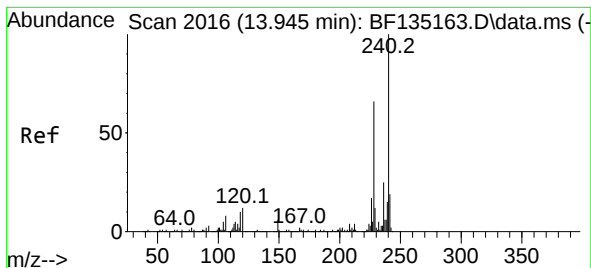
Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.3

203 49.7 0.0 37.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

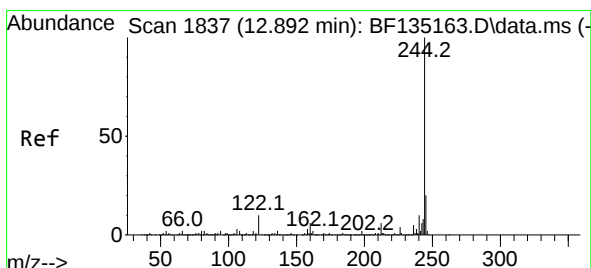
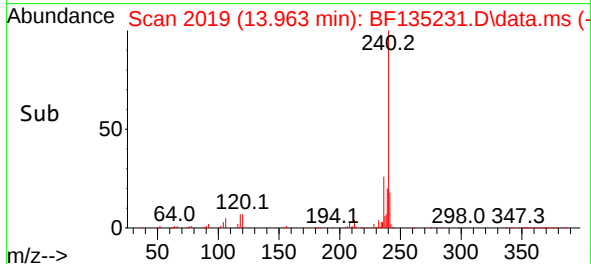
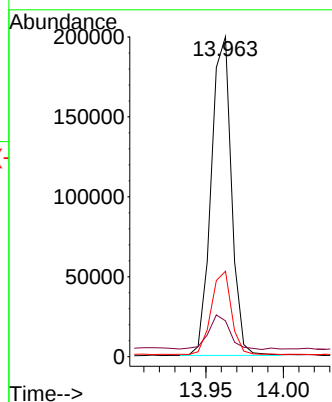
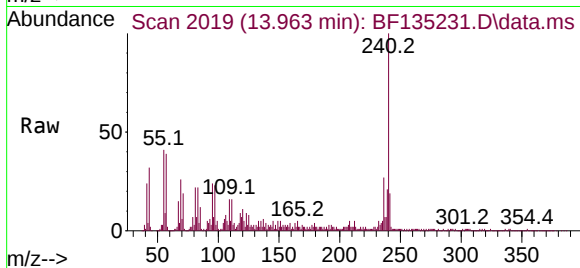
Tgt Ion:240 Resp: 181350

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

236 26.7 19.8 29.8



#79

Terphenyl-d14

Concen: 18.755 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.012 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

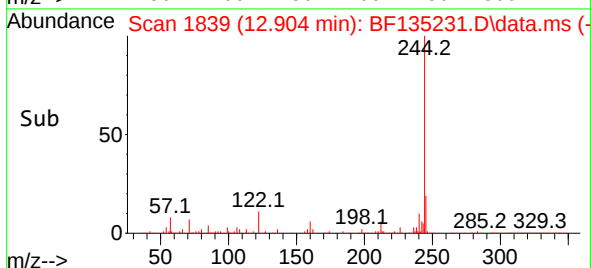
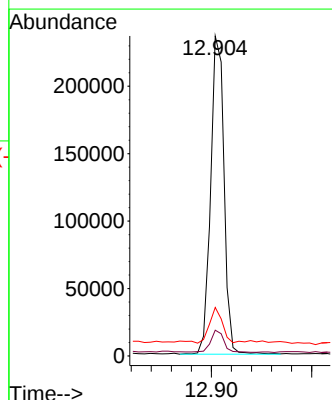
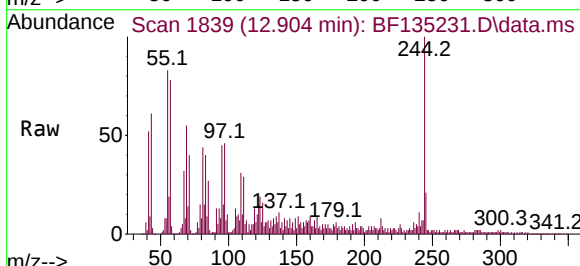
Tgt Ion:244 Resp: 219412

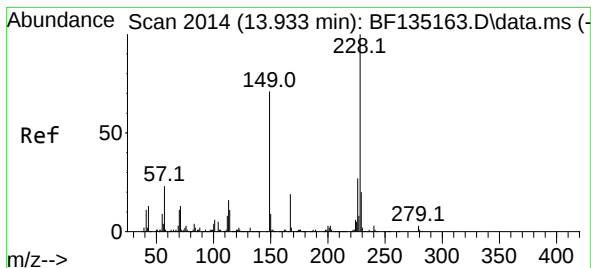
Ion Ratio Lower Upper

244 100

212 8.0 5.1 7.7#

122 15.1 7.9 11.9#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.251 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

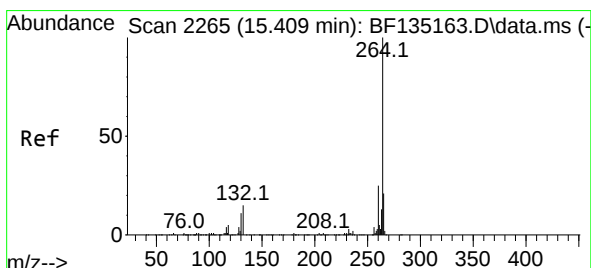
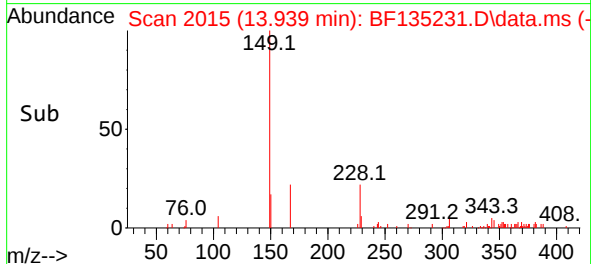
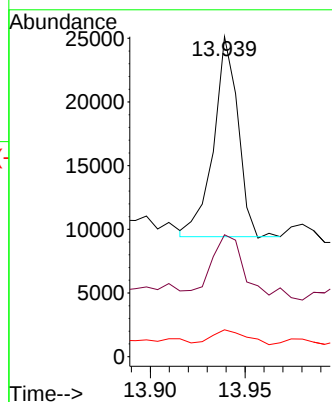
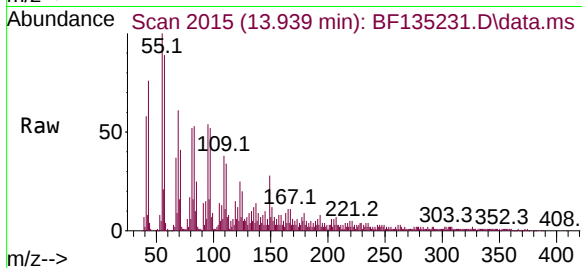
Tgt Ion:149 Resp: 14042

Ion Ratio Lower Upper

149 100

167 38.1 21.9 32.9#

279 8.4 3.3 4.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

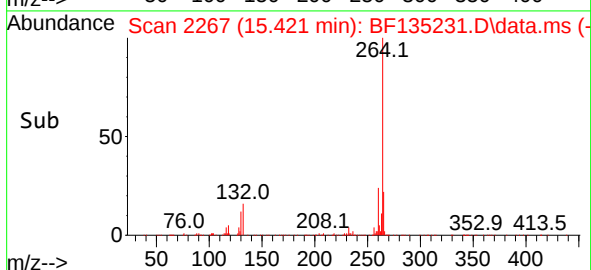
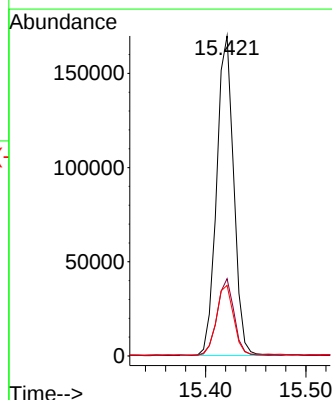
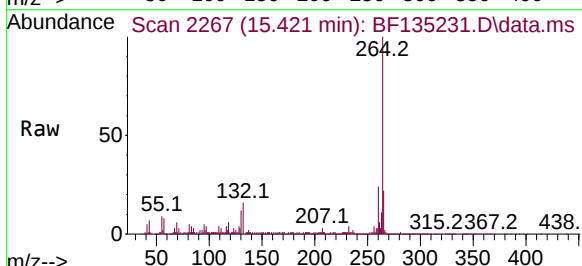
Tgt Ion:264 Resp: 200085

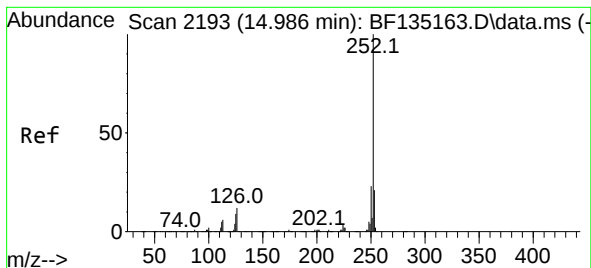
Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 22.0 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.675 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

RT2345

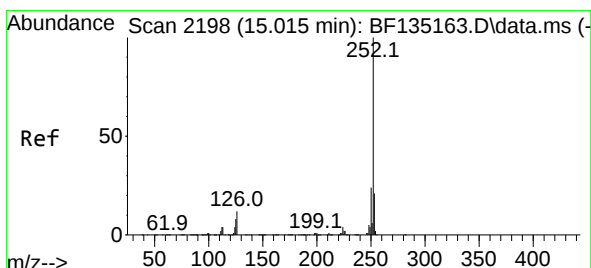
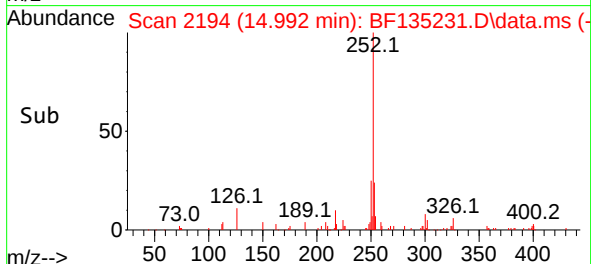
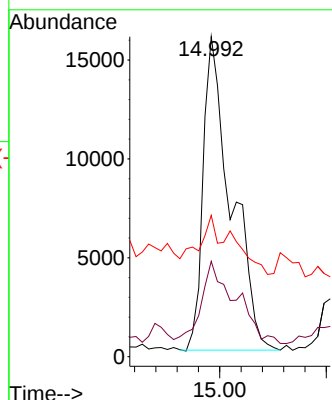
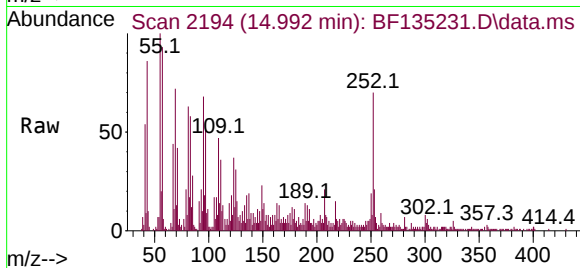
Tgt Ion:252 Resp: 28971

Ion Ratio Lower Upper

252 100

253 29.8 17.2 25.8#

125 44.1 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 2.708 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.023 min

Lab File: BF135231.D

Acq: 13 Sep 2023 19:48

Tgt Ion:252 Resp: 28971

Ion Ratio Lower Upper

252 100

253 29.8 17.4 26.0#

125 44.1 7.2 10.8#

