

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
 Data File : BF135614.D
 Acq On : 05 Oct 2023 22:53
 Operator : CG\JU
 Sample : 04686-01DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTEDL

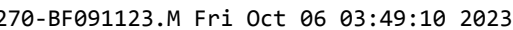
Quant Time: Oct 06 03:49:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

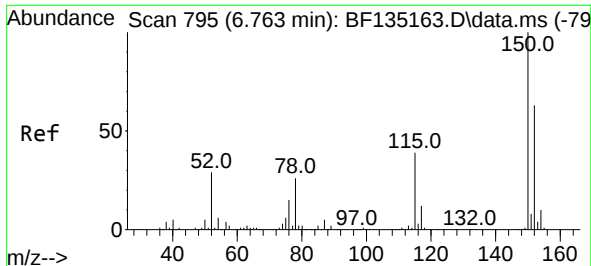
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	118052	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	403351	20.000	ng	# 0.00
39) Acenaphthene-d10	9.780	164	172610	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	275474	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	240380	20.000	ng	# 0.00
86) Perylene-d12	15.386	264	251723	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	65184	8.981	ng	0.01
7) Phenol-d6	6.392	99	82263	8.913	ng	0.00
23) Nitrobenzene-d5	7.304	82	50606	6.816	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	11963	6.974	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	87579	7.655	ng	0.00
79) Terphenyl-d14	12.857	244	73269	4.725	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.157	70	16034	2.805	ng	# 63
22) Acetophenone	7.128	105	35712	3.873	ng	# 38
27) 2,4-Dimethylphenol	7.663	122	12527	2.116	ng	# 1
31) Naphthalene	8.039	128	108451	5.534	ng	# 93
35) Caprolactam	8.475	113	8344	4.532	ng	# 1
37) 2-Methylnaphthalene	8.733	142	521331	39.574	ng	100
38) 1-Methylnaphthalene	8.833	142	309813	25.120	ng	98
46) 1,1'-Biphenyl	9.198	154	35225	2.656	ng	98
48) 2-Nitroaniline	9.369	65	8113	2.170	ng	# 50
51) 2,6-Dinitrotoluene	9.575	165	6890	2.695	ng	# 66
52) Acenaphthene	9.810	154	31881	3.374	ng	# 84
53) 3-Nitroaniline	9.751	138	6626	2.208	ng	# 21
54) 2,4-Dinitrophenol	9.886	184	526	6.582	ng	# 1
55) Dibenzofuran	9.986	168	36048	2.500	ng	# 1
56) 4-Nitrophenol	9.928	139	6513	3.415	ng	# 1
57) 2,4-Dinitrotoluene	9.986	165	15140	4.730	ng	# 69
58) Fluorene	10.328	166	58992	5.322	ng	# 89
62) 4-Nitroaniline	10.180	138	6554	2.272	ng	91
66) n-Nitrosodiphenylamine	10.439	169	120982	14.506	ng	# 50
71) Phenanthrene	11.292	178	149899	11.505	ng	# 95
75) Fluoranthene	12.486	202	27893	2.055	ng	92

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

Quant Time: Oct 06 03:49:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

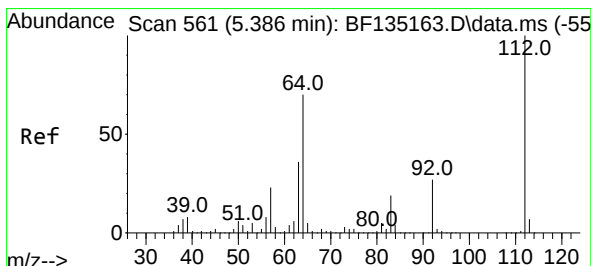
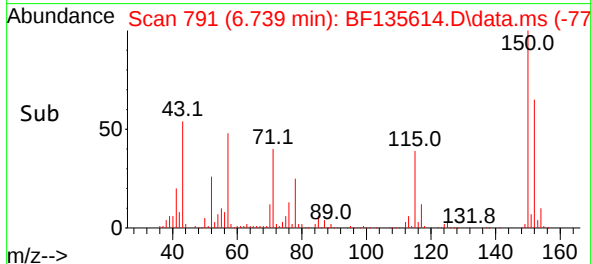
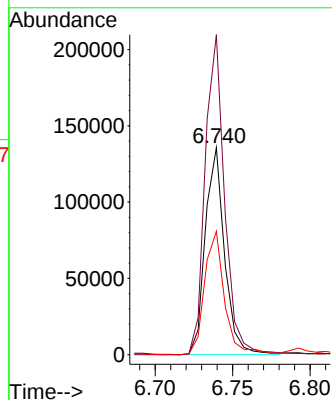
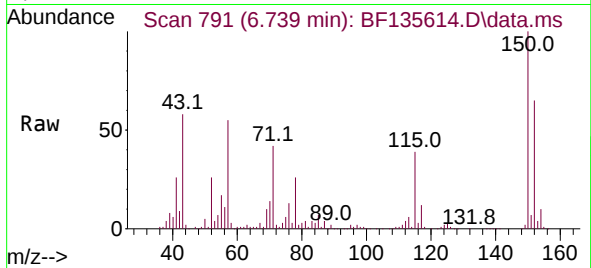




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

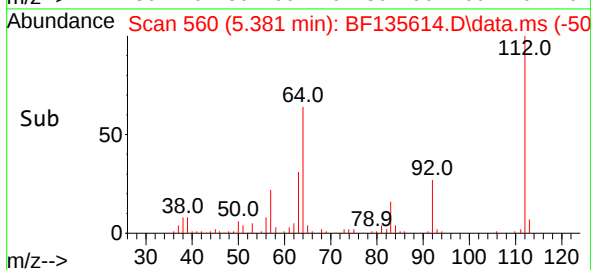
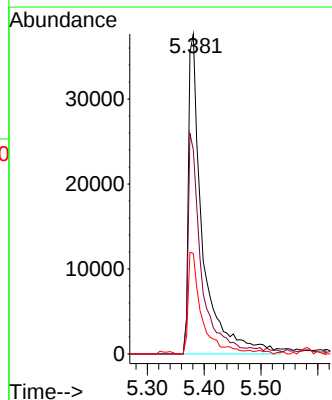
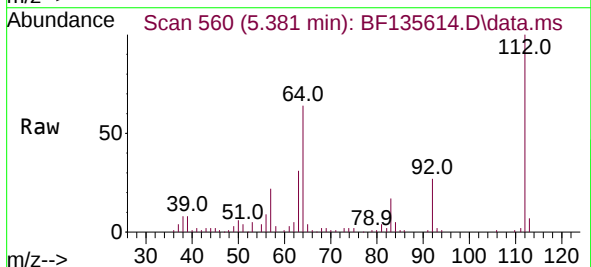
Instrument :
BNA_F
ClientSampleId :
WASTEDL

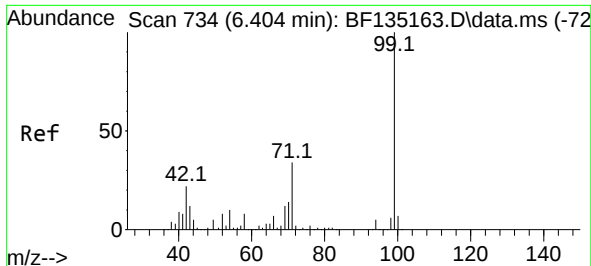
Tgt Ion:152 Resp: 118052
Ion Ratio Lower Upper
152 100
150 154.6 127.8 191.6
115 59.6 49.8 74.8



#5
2-Fluorophenol
Concen: 8.981 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:112 Resp: 65184
Ion Ratio Lower Upper
112 100
64 63.8 55.9 83.9
63 31.5 29.0 43.6

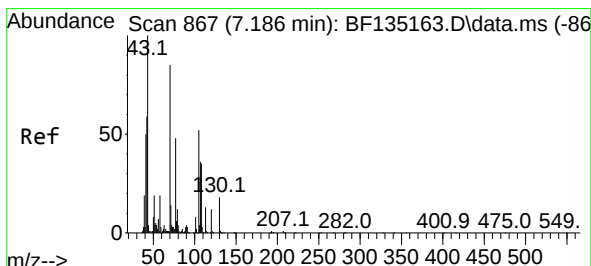
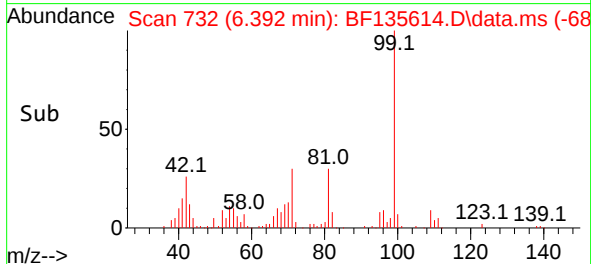
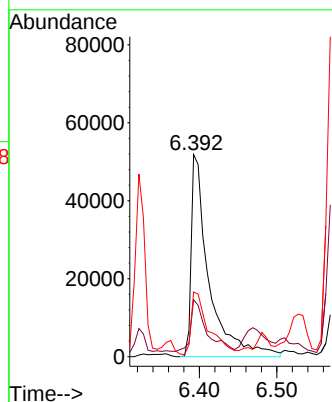
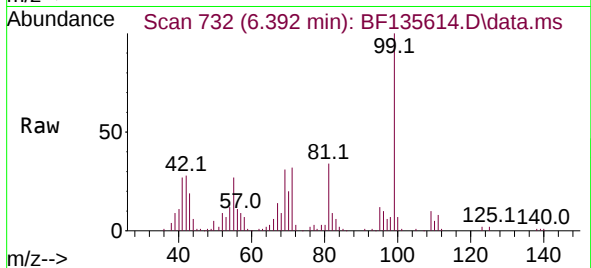




#7
Phenol-d6
Concen: 8.913 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

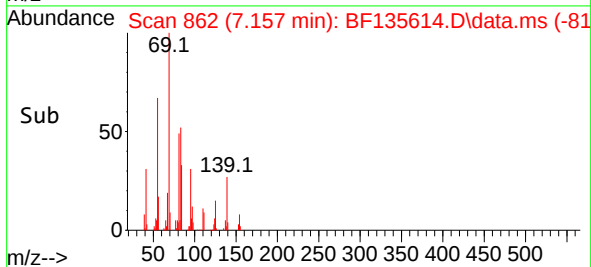
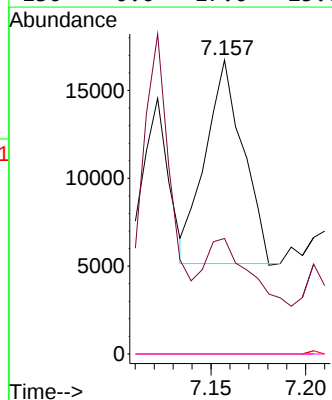
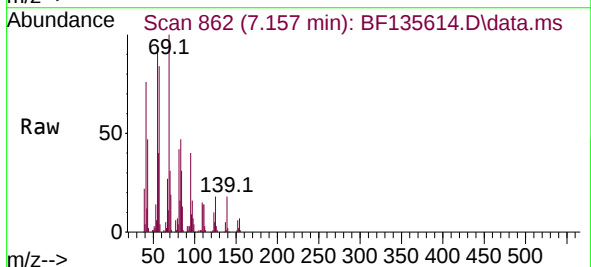
Instrument :
BNA_F
ClientSampleId :
WASTEDL

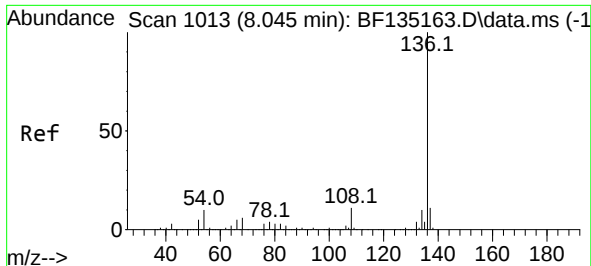
Tgt Ion: 99 Resp: 82263
Ion Ratio Lower Upper
99 100
42 28.2 17.9 26.9#
71 32.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.805 ng
RT: 7.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion: 70 Resp: 16034
Ion Ratio Lower Upper
70 100
42 39.3 55.4 83.0#
101 0.0 7.7 11.5#
130 0.0 17.0 25.6#

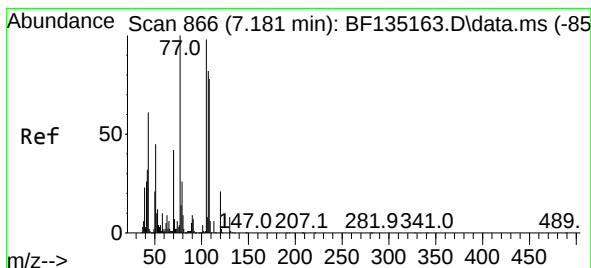
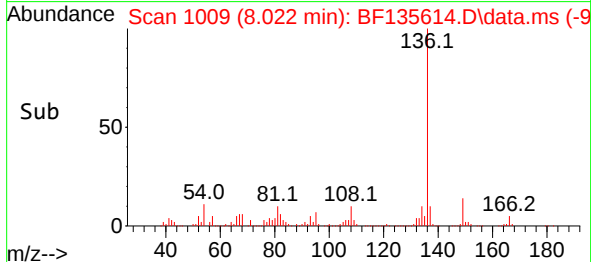
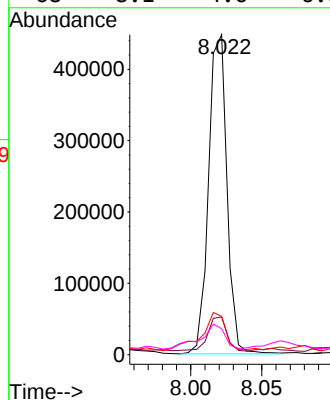
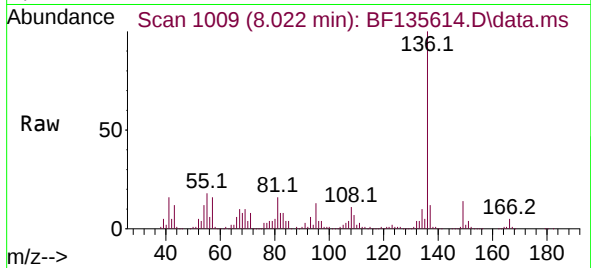




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

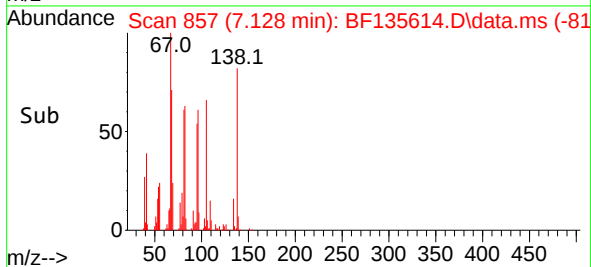
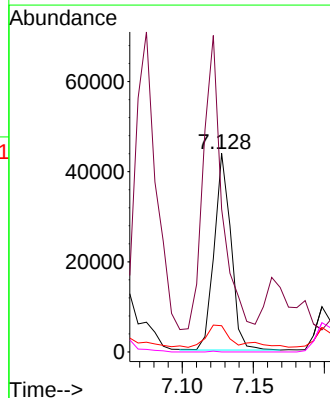
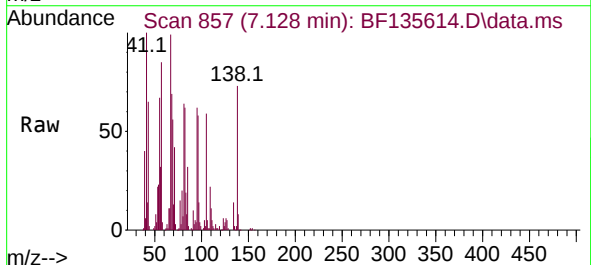
Instrument :
BNA_F
ClientSampleId :
WASTEDL

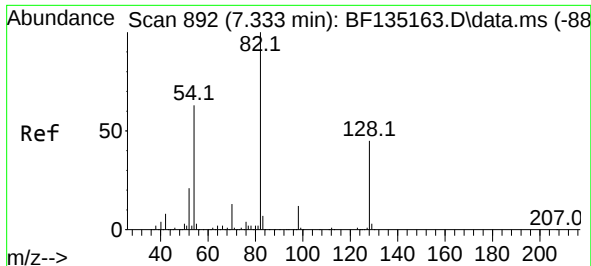
Tgt Ion:136 Resp: 403351
Ion Ratio Lower Upper
136 100
137 11.8 8.8 13.2
54 11.9 7.7 11.5#
68 8.1 4.6 6.8#



#22
Acetophenone
Concen: 3.873 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.023 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:105 Resp: 35712
Ion Ratio Lower Upper
105 100
71 72.0 5.8 8.6#
51 13.3 37.0 55.4#
120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 6.816 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

Instrument :

BNA_F

ClientSampleId :

WASTEDL

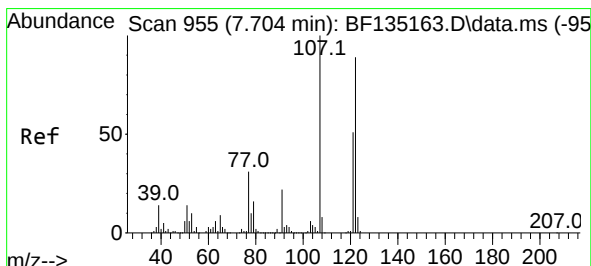
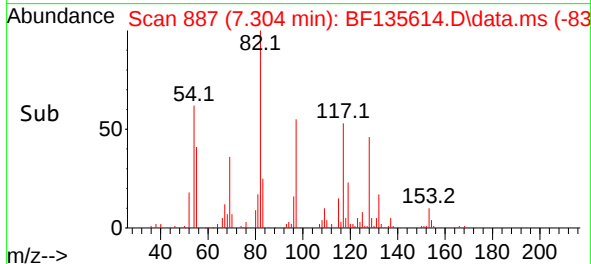
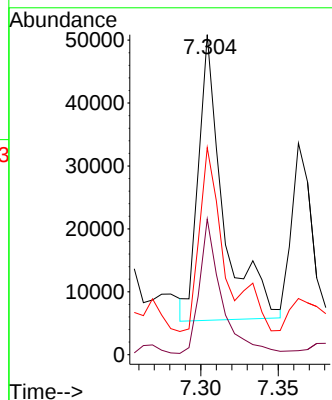
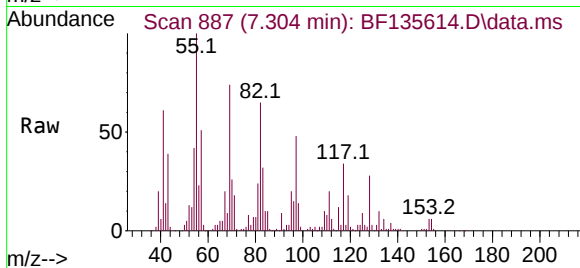
Tgt Ion: 82 Resp: 50606

Ion Ratio Lower Upper

82 100

128 42.4 35.8 53.6

54 64.7 50.6 76.0



#27

2,4-Dimethylphenol

Concen: 2.116 ng

RT: 7.663 min Scan# 948

Delta R.T. -0.018 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

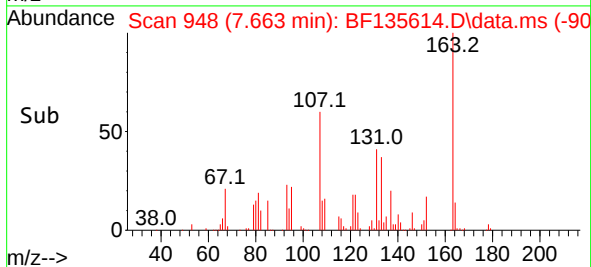
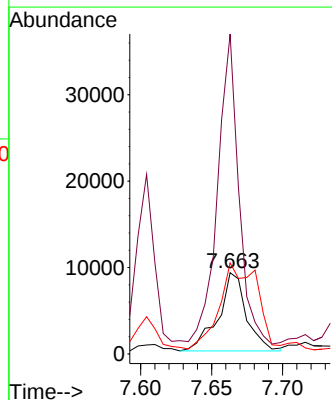
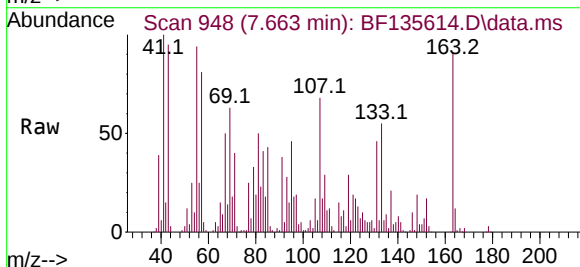
Tgt Ion: 122 Resp: 12527

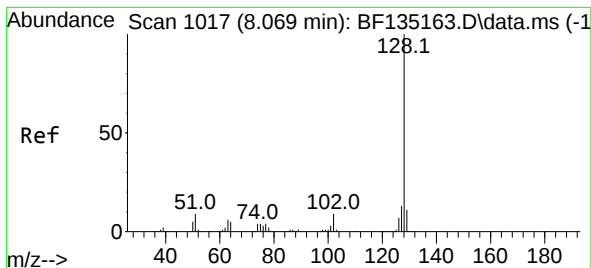
Ion Ratio Lower Upper

122 100

107 393.5 90.2 135.4#

121 112.0 46.3 69.5#





#31

Naphthalene

Concen: 5.534 ng

RT: 8.039 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

Instrument :

BNA_F

ClientSampleId :

WASTEDL

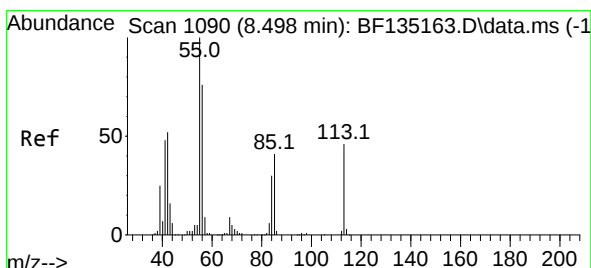
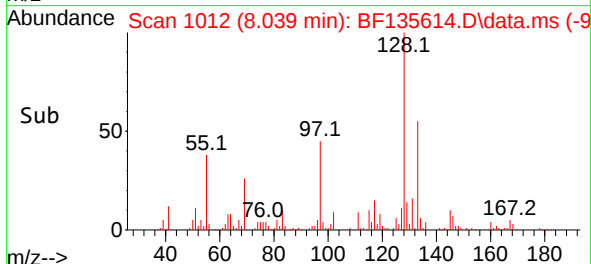
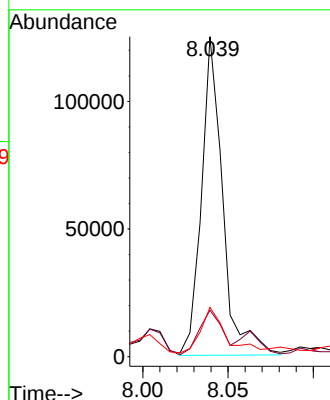
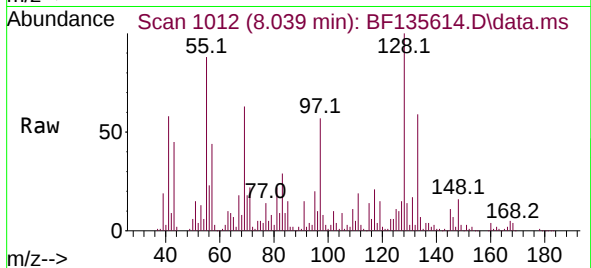
Tgt Ion:128 Resp: 108451

Ion Ratio Lower Upper

128 100

129 14.5 8.7 13.1#

127 15.4 10.7 16.1



#35

Caprolactam

Concen: 4.532 ng

RT: 8.475 min Scan# 1086

Delta R.T. 0.006 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

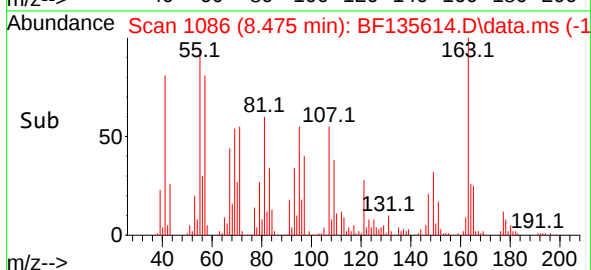
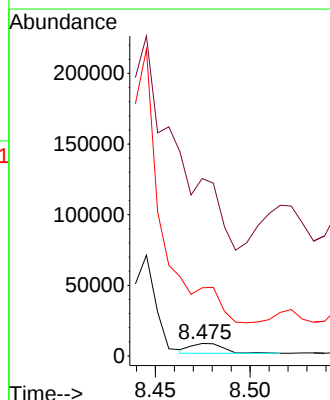
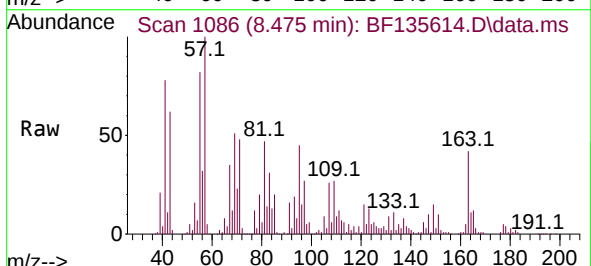
Tgt Ion:113 Resp: 8344

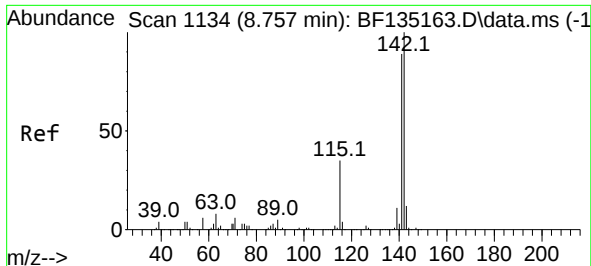
Ion Ratio Lower Upper

113 100

55 1420.5 199.3 239.3#

56 545.4 146.3 186.3#





#37

2-Methylnaphthalene

Concen: 39.574 ng

RT: 8.733 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

Instrument :

BNA_F

ClientSampleId :

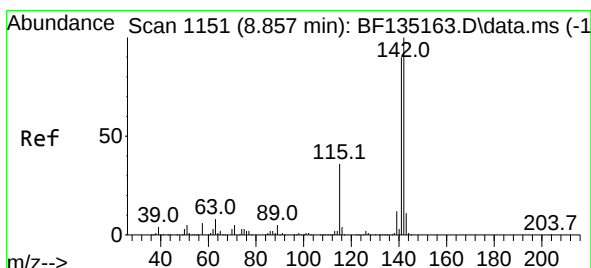
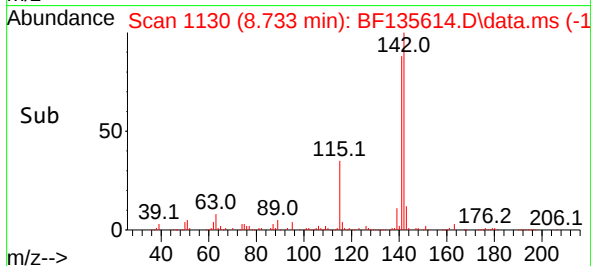
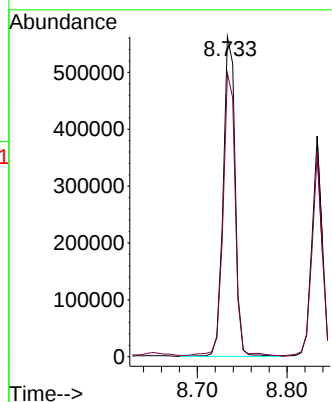
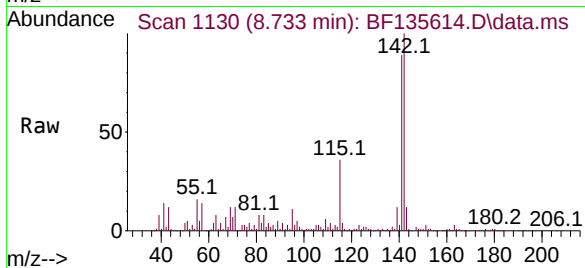
WASTEDL

Tgt Ion:142 Resp: 521331

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.6



#38

1-Methylnaphthalene

Concen: 25.120 ng

RT: 8.833 min Scan# 1147

Delta R.T. 0.006 min

Lab File: BF135614.D

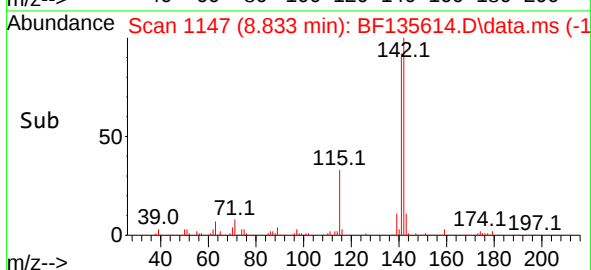
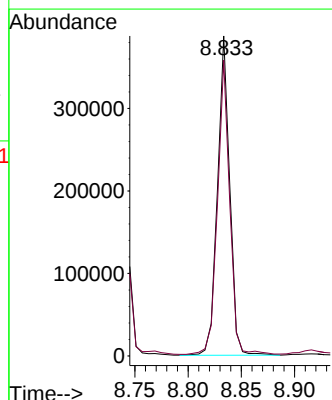
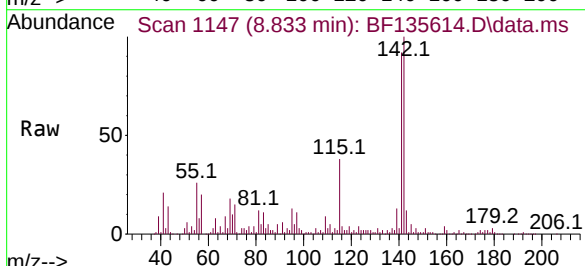
Acq: 05 Oct 2023 22:53

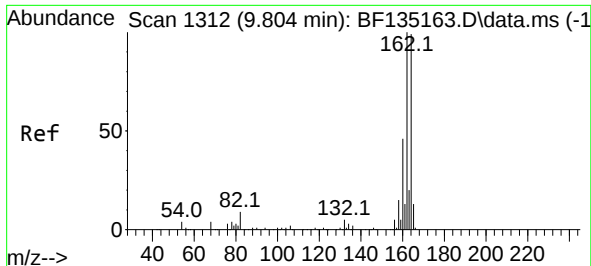
Tgt Ion:142 Resp: 309813

Ion Ratio Lower Upper

142 100

141 92.4 72.4 108.6

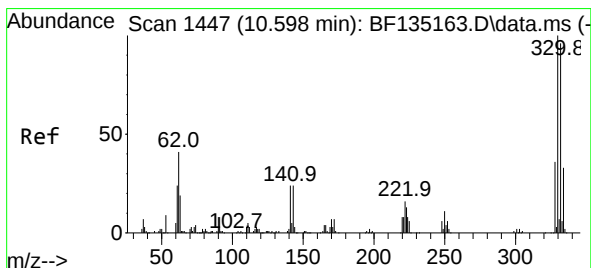
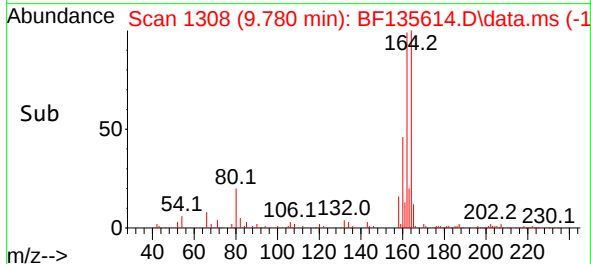
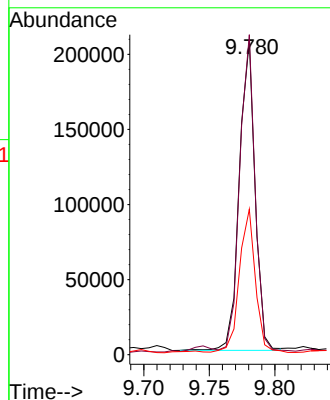
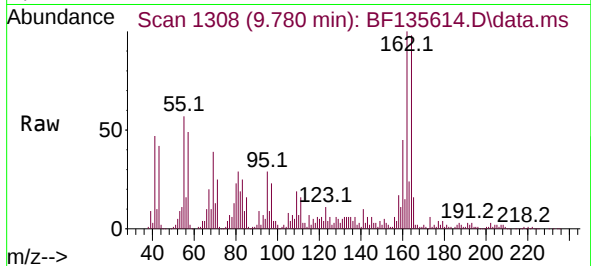




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

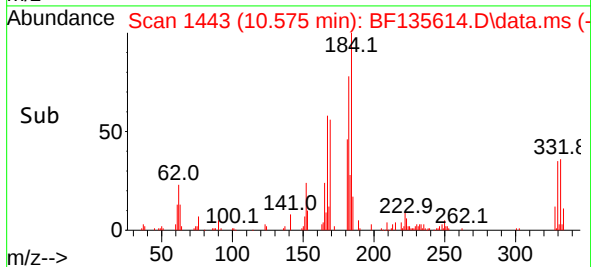
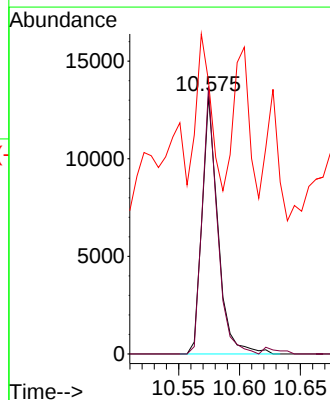
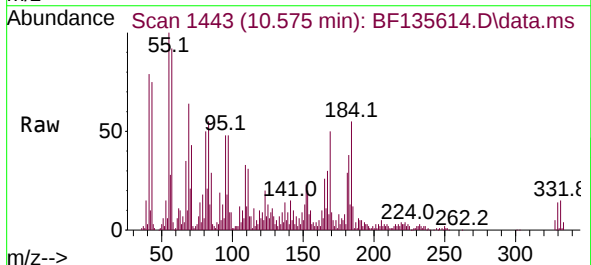
Instrument :
BNA_F
ClientSampleId :
WASTEDL

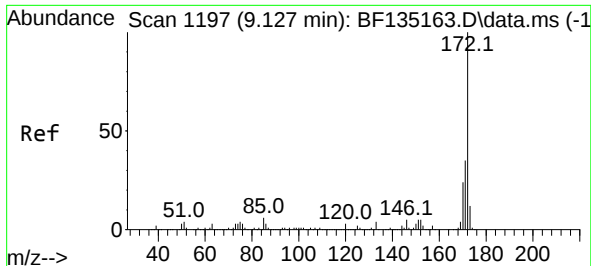
Tgt Ion:164 Resp: 172610
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.4
160 46.4 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 6.974 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:330 Resp: 11963
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 53.7 25.8 38.8#

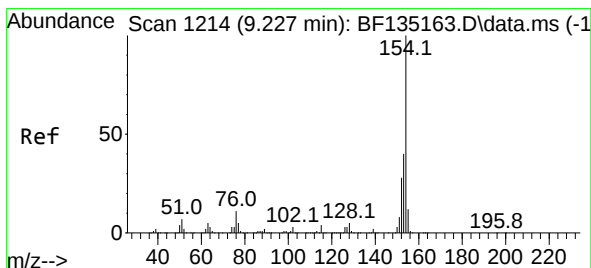
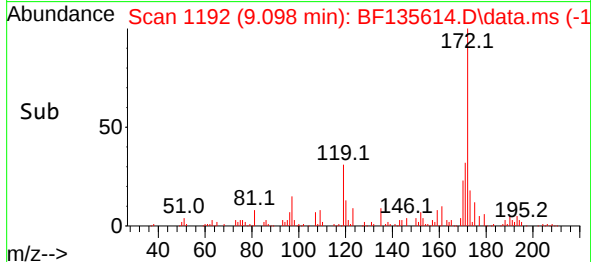
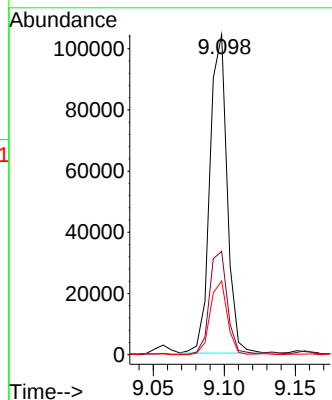
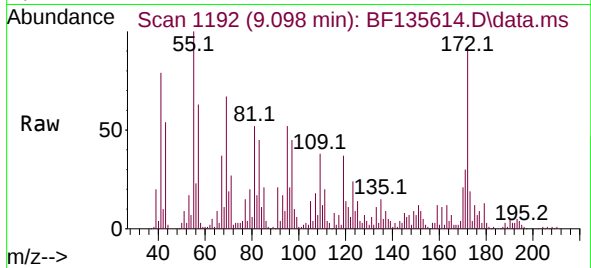




#45
2-Fluorobiphenyl
Concen: 7.655 ng
RT: 9.098 min Scan# 1197
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

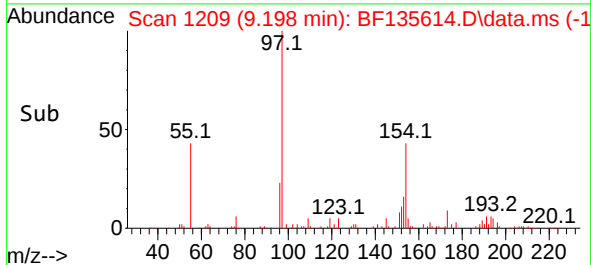
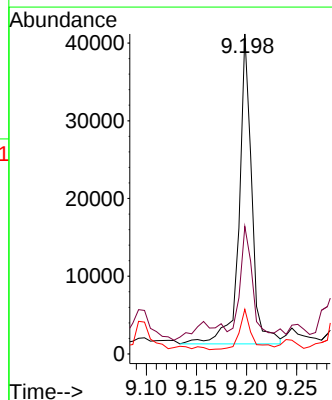
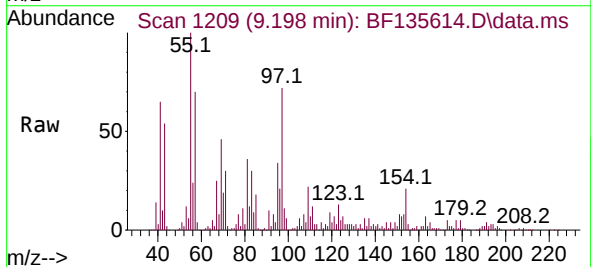
Instrument :
BNA_F
ClientSampleId :
WASTEDL

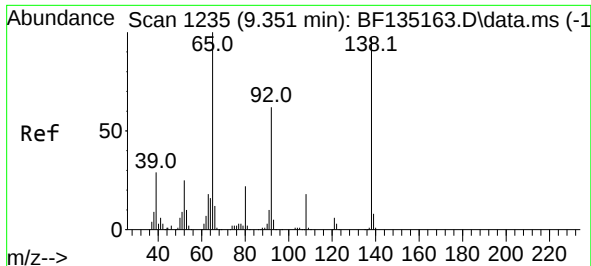
Tgt Ion:172 Resp: 87579
Ion Ratio Lower Upper
172 100
171 32.3 28.4 42.6
170 23.0 19.0 28.4



#46
1,1'-Biphenyl
Concen: 2.656 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:154 Resp: 35225
Ion Ratio Lower Upper
154 100
153 39.9 19.6 59.6
76 14.0 0.0 31.0

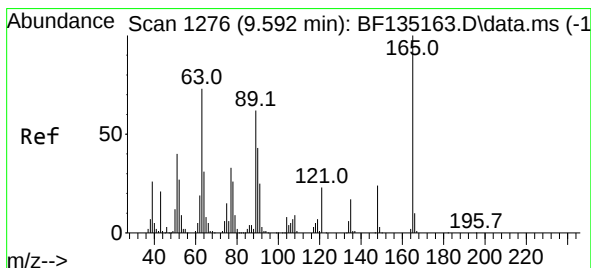
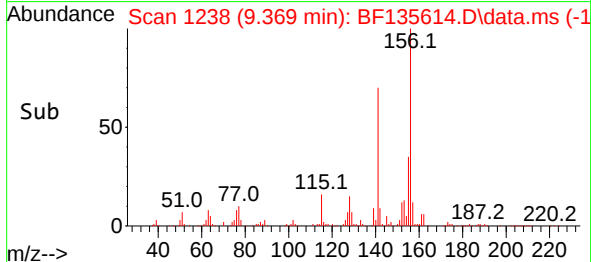
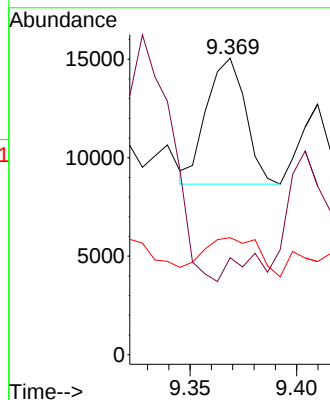
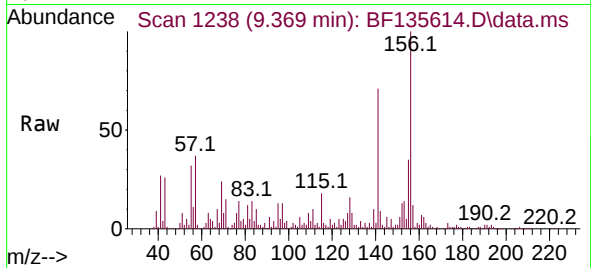




#48
2-Nitroaniline
Concen: 2.170 ng
RT: 9.369 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

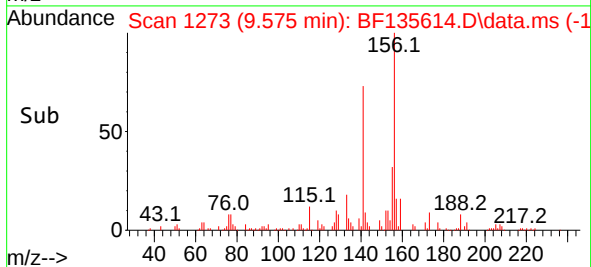
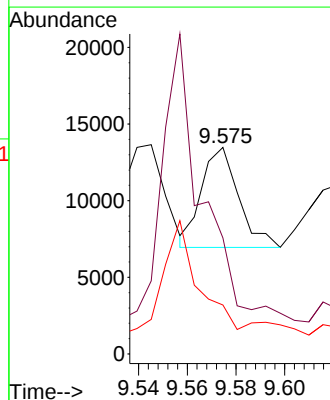
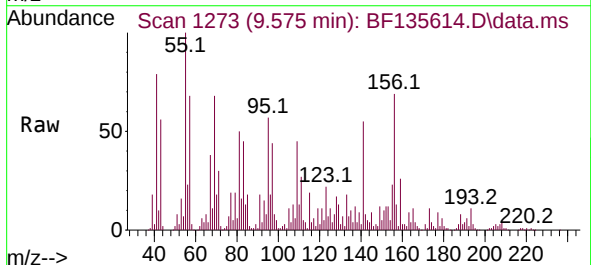
Instrument :
BNA_F
ClientSampleId :
WASTEDL

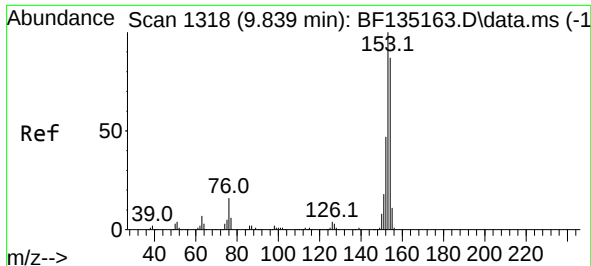
Tgt Ion: 65 Resp: 8113
Ion Ratio Lower Upper
65 100
92 32.7 49.4 74.0#
138 39.5 77.4 116.0#



#51
2,6-Dinitrotoluene
Concen: 2.695 ng
RT: 9.575 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:165 Resp: 6890
Ion Ratio Lower Upper
165 100
63 56.1 59.4 89.2#
89 23.7 49.8 74.8#

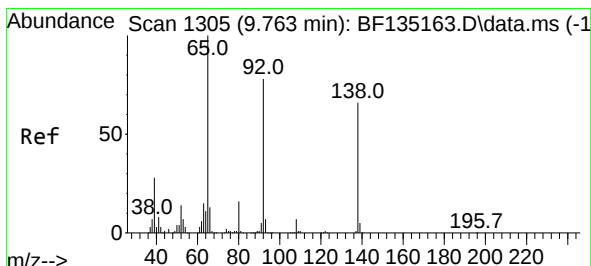
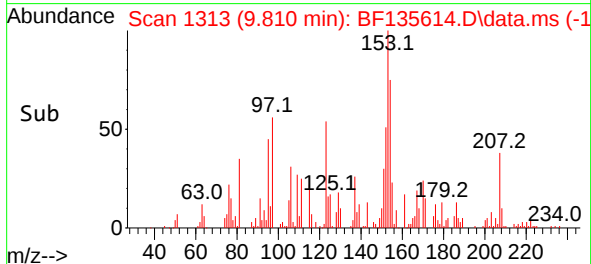
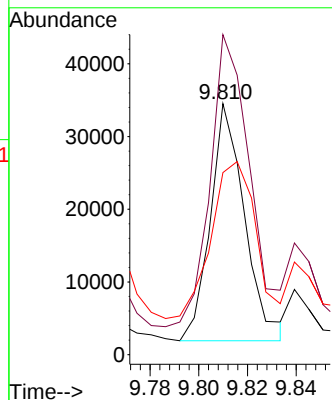
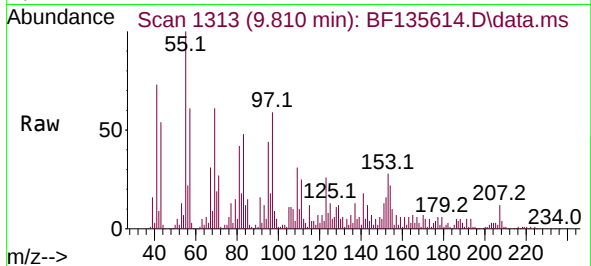




#52
Acenaphthene
Concen: 3.374 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

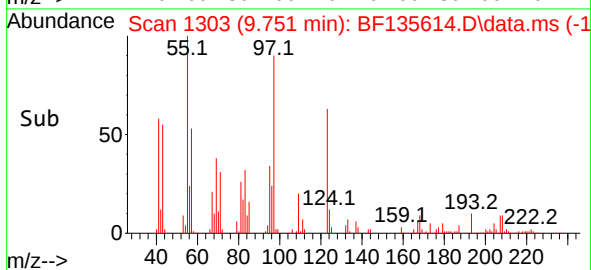
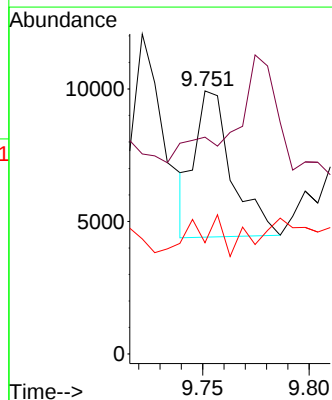
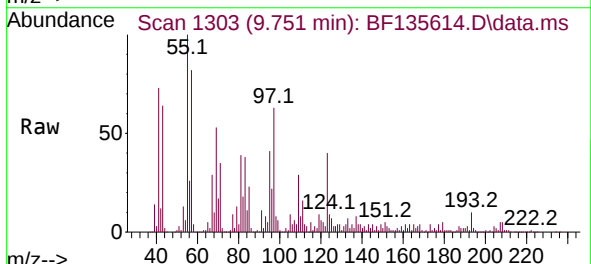
Instrument :
BNA_F
ClientSampleId :
WASTEDL

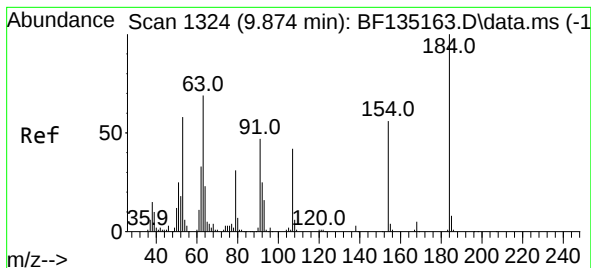
Tgt Ion:154 Resp: 31881
Ion Ratio Lower Upper
154 100
153 127.4 92.1 138.1
152 72.5 43.1 64.7#



#53
3-Nitroaniline
Concen: 2.208 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:138 Resp: 6626
Ion Ratio Lower Upper
138 100
108 82.4 8.5 12.7#
92 42.3 95.4 143.0#





#54

2,4-Dinitrophenol

Concen: 6.582 ng

RT: 9.886 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

Instrument :

BNA_F

ClientSampleId :

WASTEDL

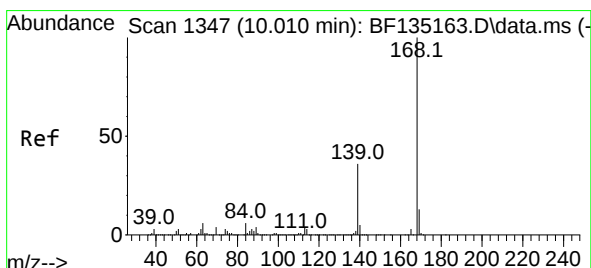
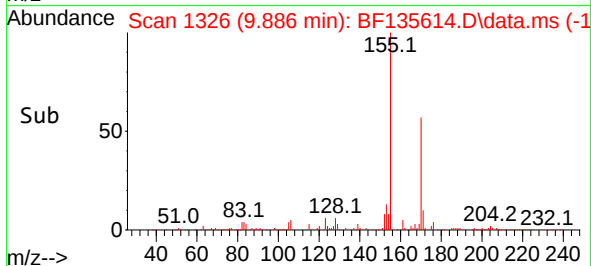
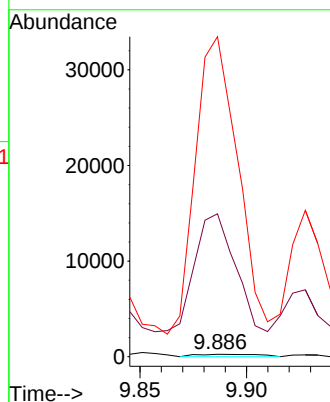
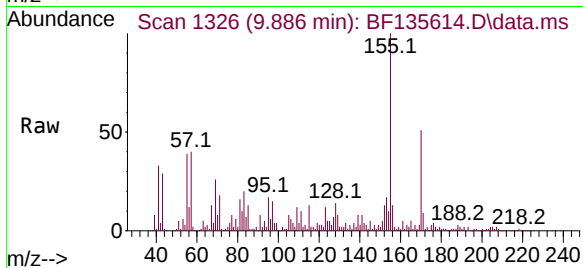
Tgt Ion:184 Resp: 526

Ion Ratio Lower Upper

184 100

63 5750.0 55.1 82.7#

154 12873.8 48.4 72.6#



#55

Dibenzofuran

Concen: 2.500 ng

RT: 9.986 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

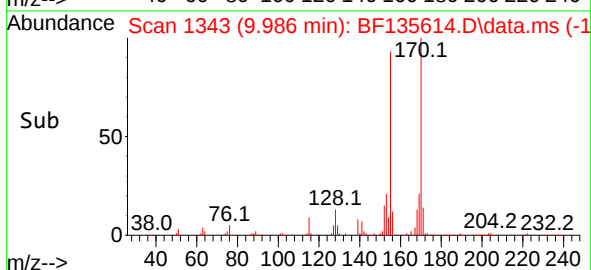
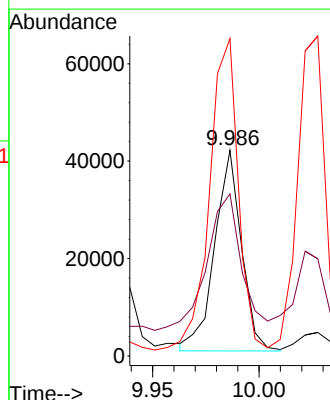
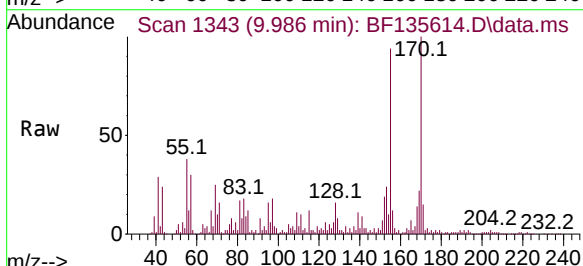
Tgt Ion:168 Resp: 36048

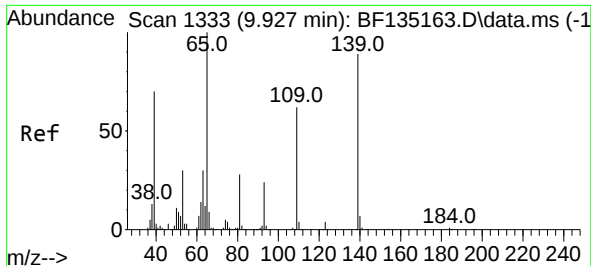
Ion Ratio Lower Upper

168 100

139 78.9 29.0 43.6#

169 154.3 10.4 15.6#

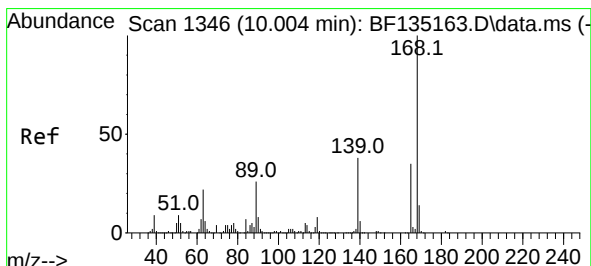
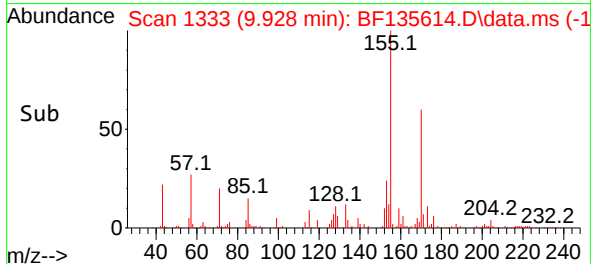
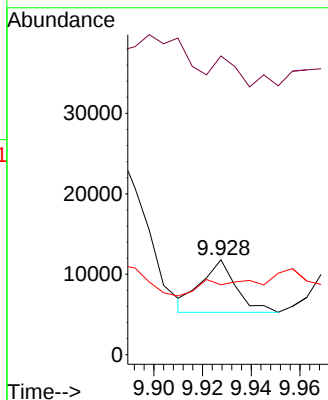
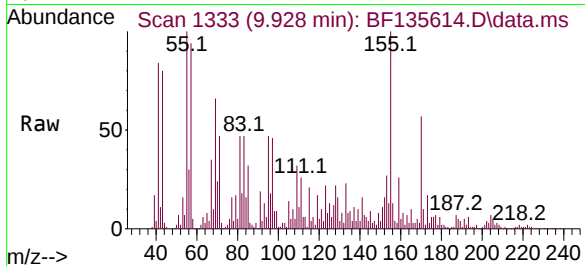




#56
4-Nitrophenol
Concen: 3.415 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

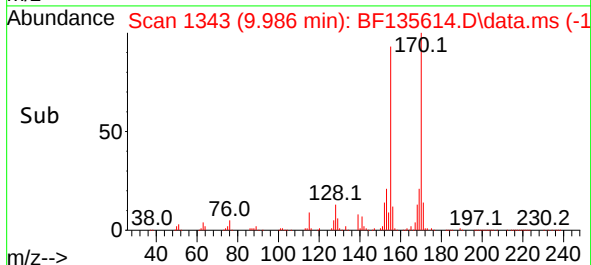
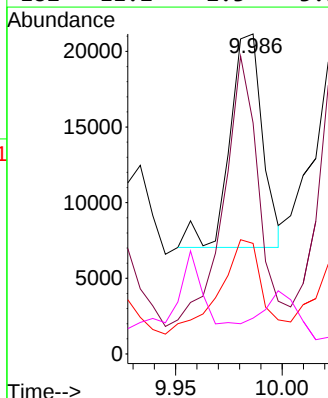
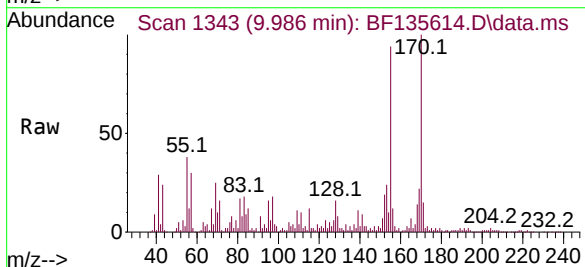
Instrument :
BNA_F
ClientSampleId :
WASTEDL

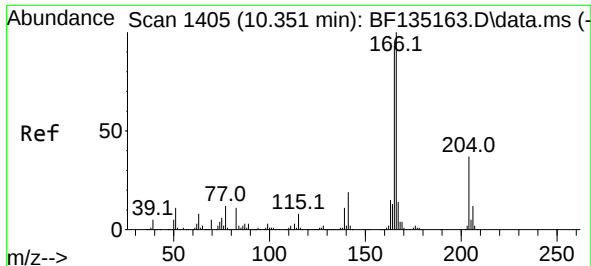
Tgt Ion:139 Resp: 6513
Ion Ratio Lower Upper
139 100
109 315.1 49.8 89.8#
65 73.7 92.7 132.7#



#57
2,4-Dinitrotoluene
Concen: 4.730 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:165 Resp: 15140
Ion Ratio Lower Upper
165 100
63 72.2 50.1 75.1
89 34.6 59.3 88.9#
182 11.2 2.3 3.5#

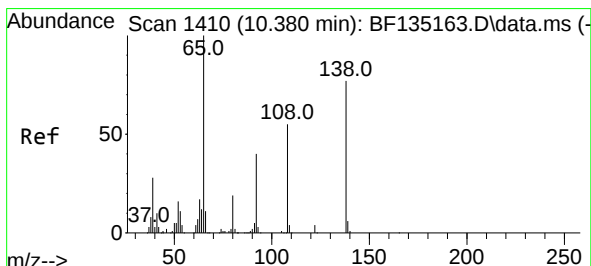
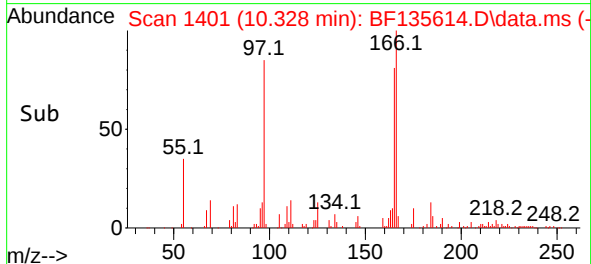
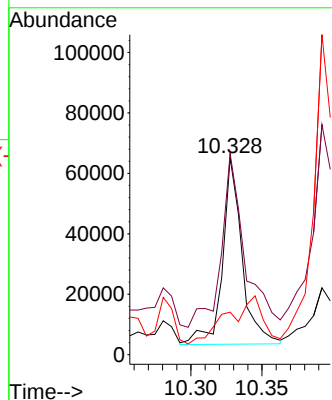
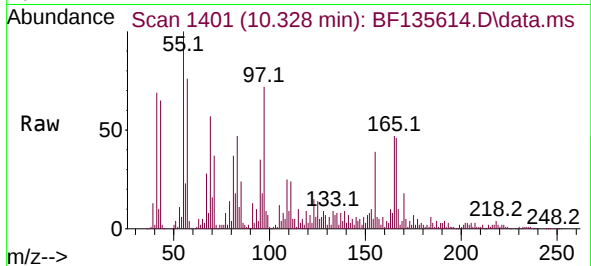




#58
Fluorene
Concen: 5.322 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

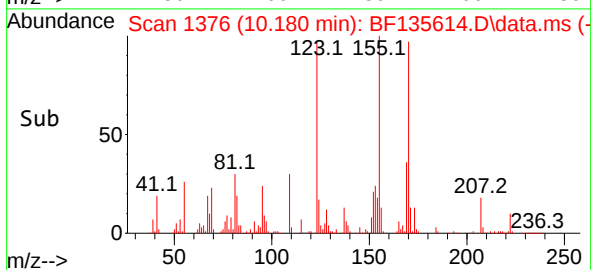
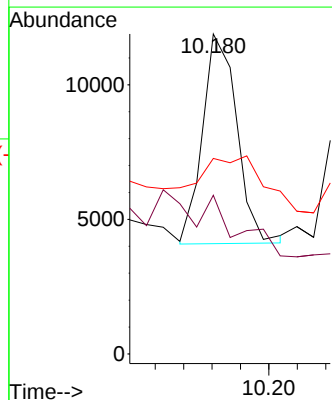
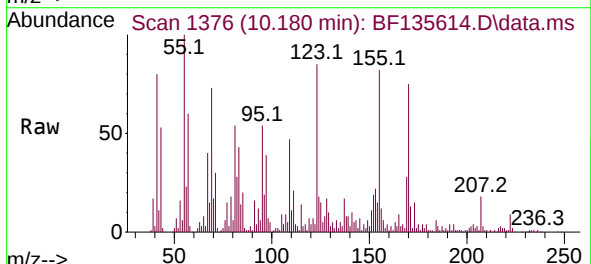
Instrument :
BNA_F
ClientSampleId :
WASTEDL

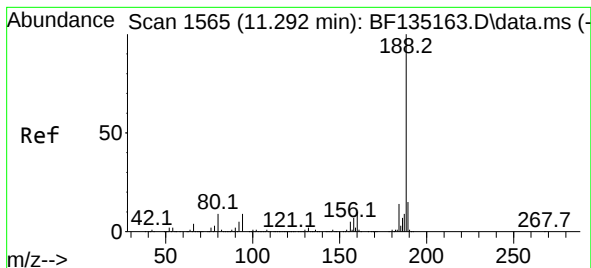
Tgt Ion:166 Resp: 58992
Ion Ratio Lower Upper
166 100
165 102.2 74.3 111.5
167 21.6 10.9 16.3#



#62
4-Nitroaniline
Concen: 2.272 ng
RT: 10.180 min Scan# 1376
Delta R.T. -0.182 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:138 Resp: 6554
Ion Ratio Lower Upper
138 100
92 49.6 31.8 71.8
108 61.1 52.0 92.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

Instrument :

BNA_F

ClientSampleId :

WASTEDL

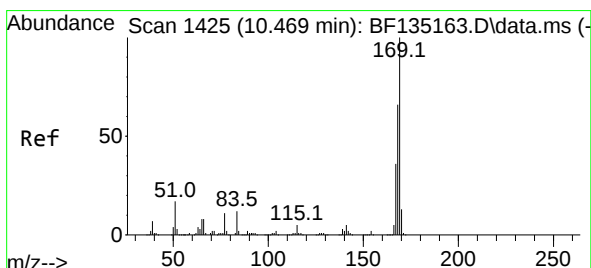
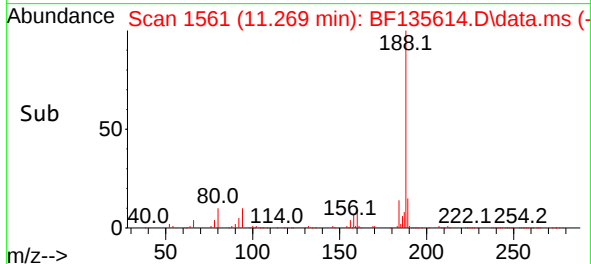
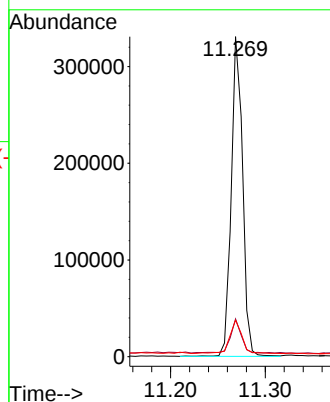
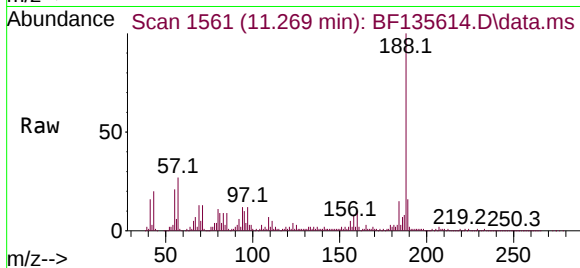
Tgt Ion:188 Resp: 275474

Ion Ratio Lower Upper

188 100

94 11.8 7.0 10.6#

80 11.5 7.5 11.3#



#66

n-Nitrosodiphenylamine

Concen: 14.506 ng

RT: 10.439 min Scan# 1420

Delta R.T. -0.006 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

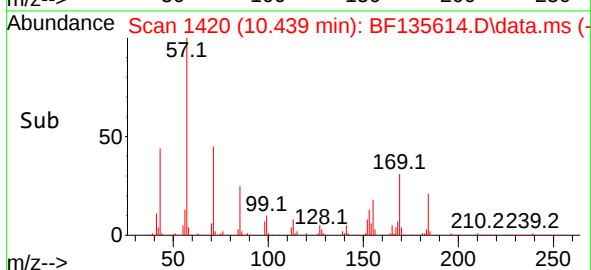
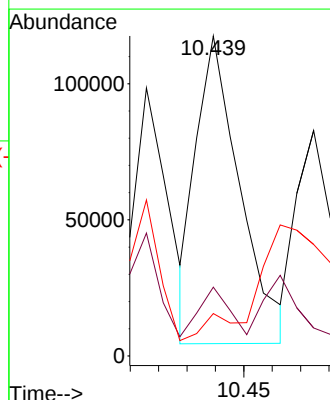
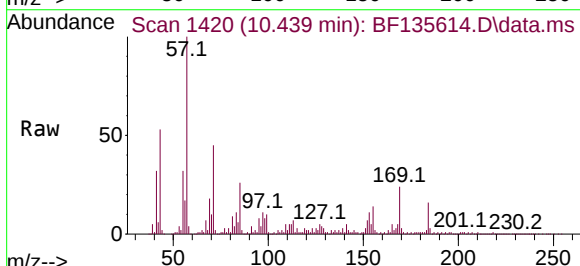
Tgt Ion:169 Resp: 120982

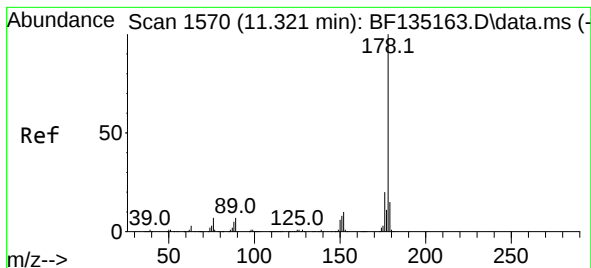
Ion Ratio Lower Upper

169 100

168 21.5 52.8 79.2#

167 13.2 29.0 43.6#





#71

Phenanthrene

Concen: 11.505 ng

RT: 11.292 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

Instrument :

BNA_F

ClientSampleId :

WASTEDL

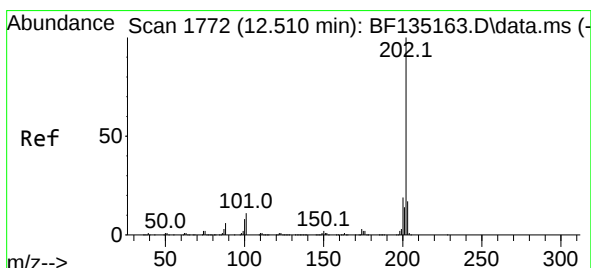
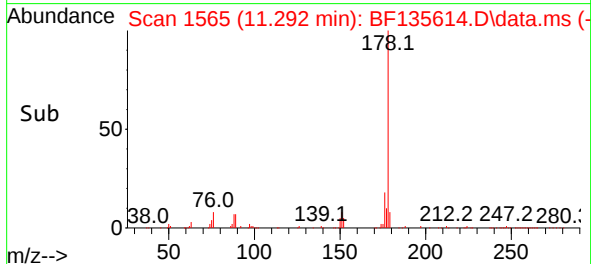
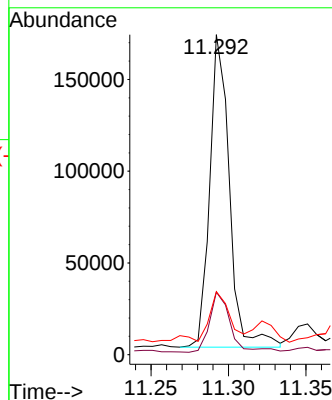
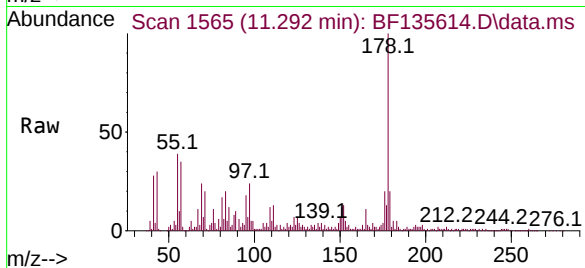
Tgt Ion:178 Resp: 149899

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 19.7 12.0 18.0#



#75

Fluoranthene

Concen: 2.055 ng

RT: 12.486 min Scan# 1768

Delta R.T. 0.000 min

Lab File: BF135614.D

Acq: 05 Oct 2023 22:53

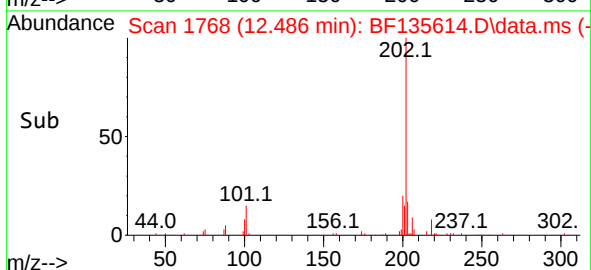
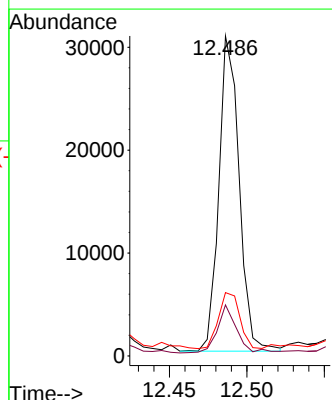
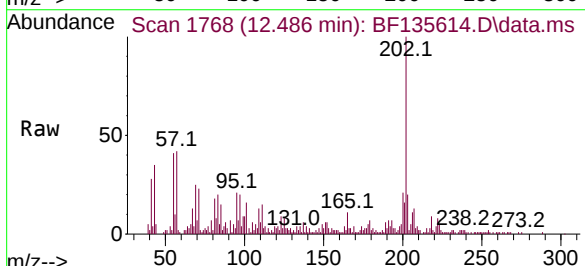
Tgt Ion:202 Resp: 27893

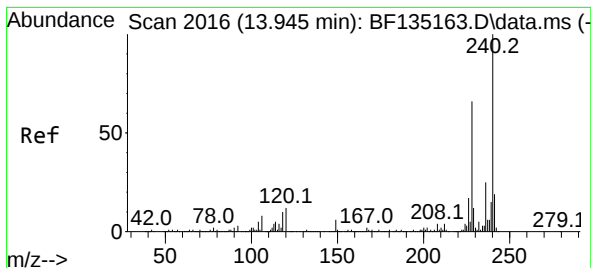
Ion Ratio Lower Upper

202 100

101 16.0 0.0 31.3

203 19.8 0.0 37.4

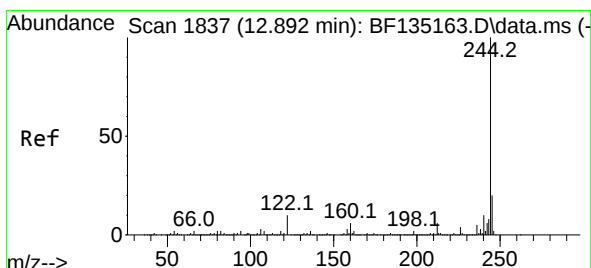
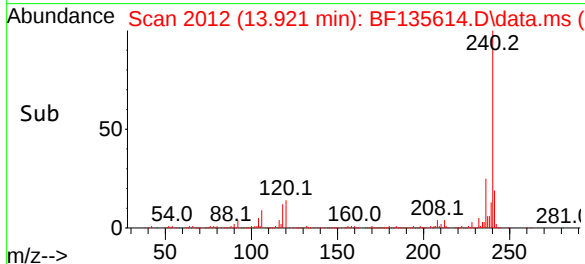
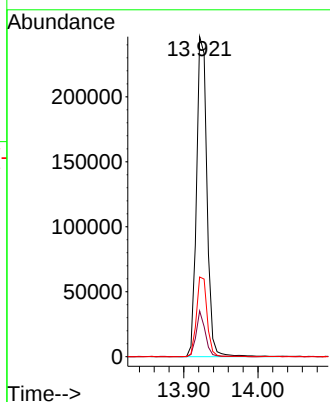
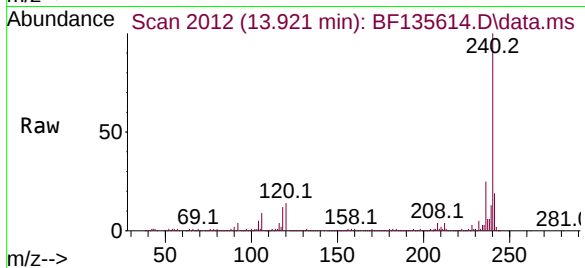




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

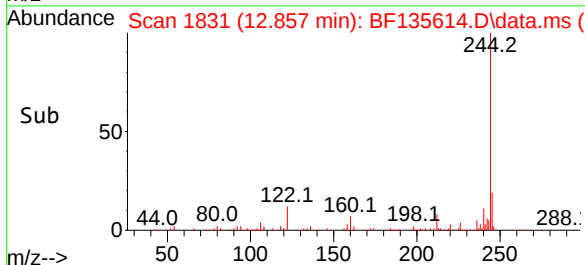
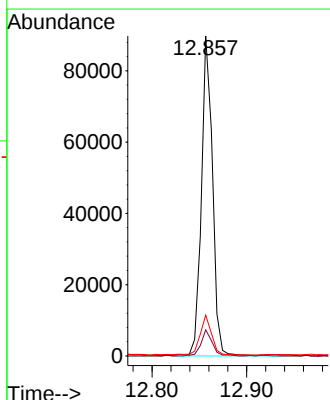
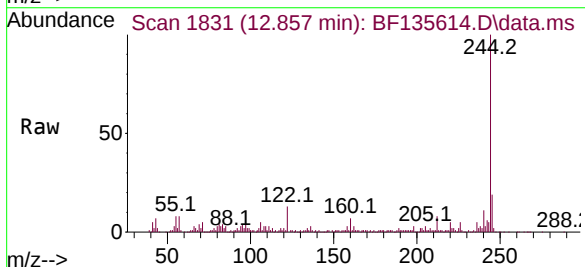
Instrument :
BNA_F
ClientSampleId :
WASTEDL

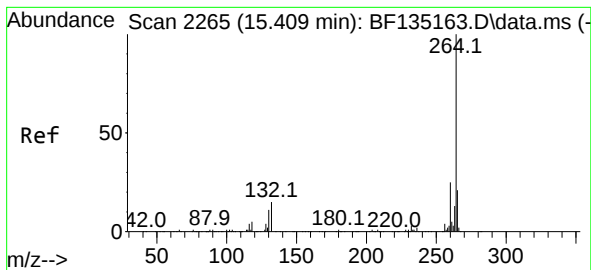
Tgt Ion:240 Resp: 240380
Ion Ratio Lower Upper
240 100
120 14.3 9.4 14.2#
236 24.9 19.8 29.8



#79
Terphenyl-d14
Concen: 4.725 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Tgt Ion:244 Resp: 73269
Ion Ratio Lower Upper
244 100
212 8.1 5.1 7.7#
122 12.7 7.9 11.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135614.D
Acq: 05 Oct 2023 22:53

Instrument :
BNA_F
ClientSampleId :
WASTEDL

Tgt Ion:264 Resp: 251723

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.8	29.6
265	21.3	17.0	25.4

