

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
 Data File : BF138702.D
 Acq On : 31 Jul 2024 15:00
 Operator : RC/JU
 Sample : P3376-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7-Full Waste Class

Quant Time: Jul 31 15:35:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

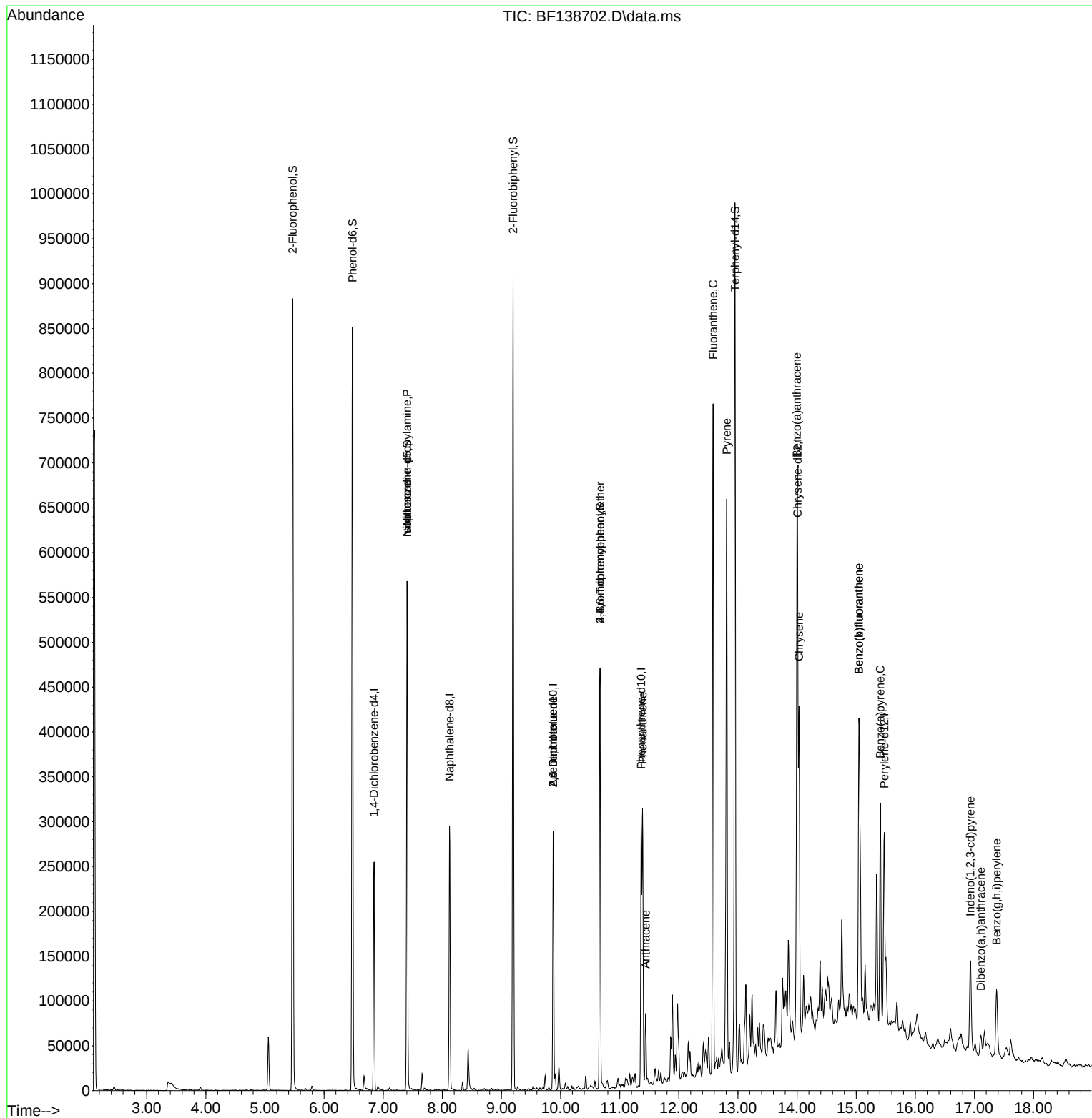
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	49589	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	176376	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	82548	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	150055	20.000	ng	0.00
76) Chrysene-d12	14.010	240	137697	20.000	ng	0.00
86) Perylene-d12	15.474	264	115512	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	291826	90.842	ng	0.00
7) Phenol-d6	6.481	99	364783	84.577	ng	0.00
23) Nitrobenzene-d5	7.404	82	236997	65.695	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	68037	100.620	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	372467	67.795	ng	0.00
79) Terphenyl-d14	12.951	244	455633	55.401	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.404	70	31031	11.912	ng	# 77
25) Isophorone	7.404	82	236995	38.473	ng	# 66
51) 2,6-Dinitrotoluene	9.875	165	10185	8.550	ng	# 21
57) 2,4-Dinitrotoluene	9.875	165	10185	6.702	ng	# 17
67) 4-Bromophenyl-phenylether	10.669	248	4615	2.841	ng	# 1
71) Phenanthrene	11.386	178	156022	20.193	ng	99
72) Anthracene	11.439	178	43833	5.759	ng	99
75) Fluoranthene	12.580	202	405635	56.234	ng	99
78) Pyrene	12.810	202	355032	27.385	ng	99
81) Benzo(a)anthracene	13.998	228	233708	24.647	ng	97
83) Chrysene	14.033	228	177286	20.724	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	67307	8.131	ng	95
88) Benzo(b)fluoranthene	15.045	252	287496	40.150	ng	99
89) Benzo(k)fluoranthene	15.045	252	287496	46.372	ng	99
90) Benzo(a)pyrene	15.409	252	139767	23.205	ng	97
91) Dibenzo(a,h)anthracene	17.109	278	14467	2.129	ng	93
92) Benzo(g,h,i)perylene	17.374	276	61952	8.786	ng	97

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

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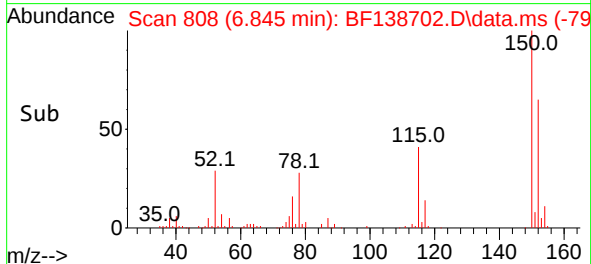
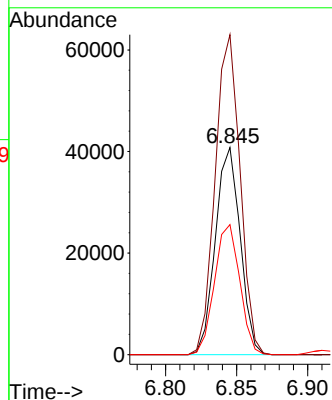
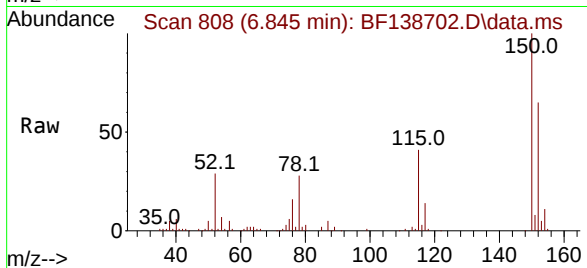




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 808
 Delta R.T. 0.000 min
 Lab File: BF138702.D
 Acq: 31 Jul 2024 15:00

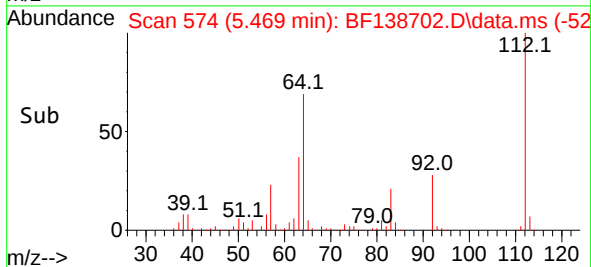
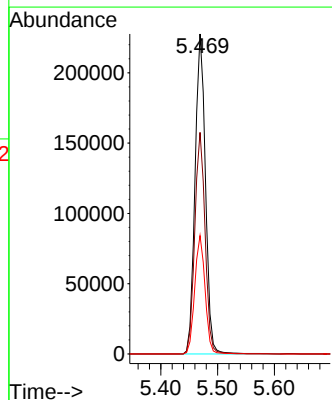
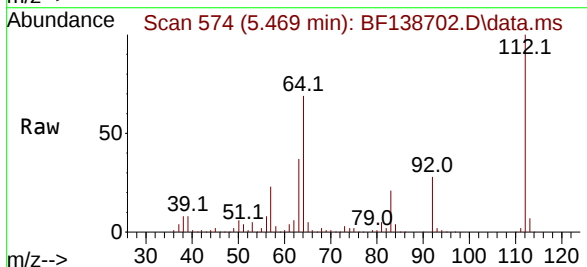
Instrument :
 BNA_F
 ClientSampleId :
 WC-7-Full Waste Class

Tgt Ion:152 Resp: 49589
 Ion Ratio Lower Upper
 152 100
 150 154.5 126.0 189.0
 115 62.8 51.7 77.5



#5
 2-Fluorophenol
 Concen: 90.842 ng
 RT: 5.469 min Scan# 574
 Delta R.T. -0.000 min
 Lab File: BF138702.D
 Acq: 31 Jul 2024 15:00

Tgt Ion:112 Resp: 291826
 Ion Ratio Lower Upper
 112 100
 64 69.2 54.2 81.4
 63 37.0 28.7 43.1

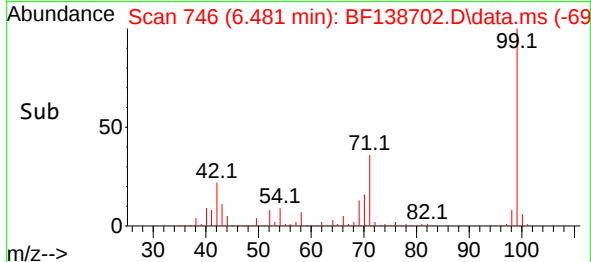
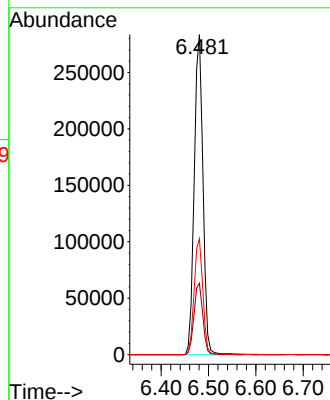
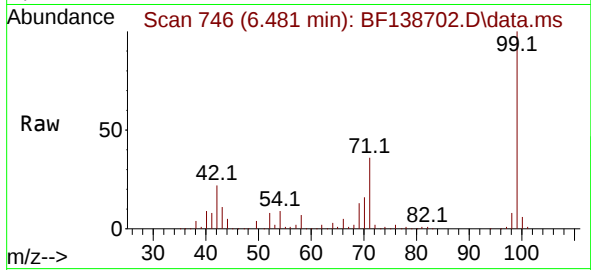




#7
Phenol-d6
Concen: 84.577 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

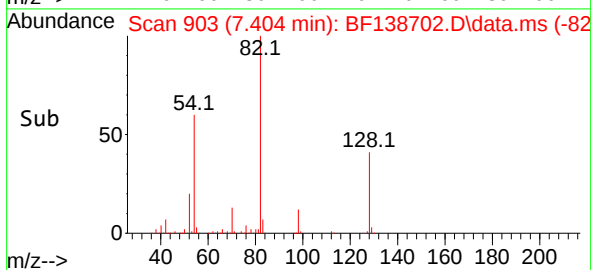
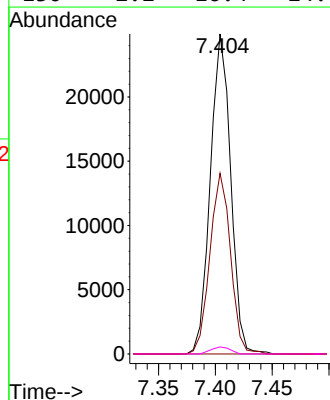
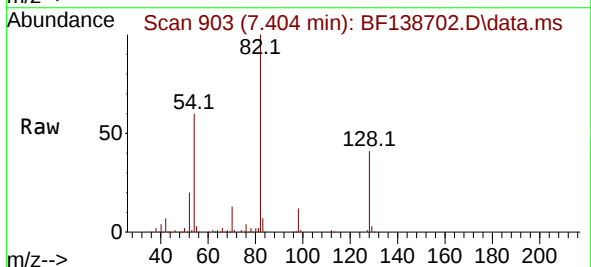
Instrument :
BNA_F
ClientSampleId :
WC-7-Full Waste Class

Tgt Ion: 99 Resp: 364783
Ion Ratio Lower Upper
99 100
42 22.3 17.4 26.0
71 36.2 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.912 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

Tgt Ion: 70 Resp: 31031
Ion Ratio Lower Upper
70 100
42 56.4 57.4 86.0#
101 0.0 7.5 11.3#
130 2.2 16.4 24.6#

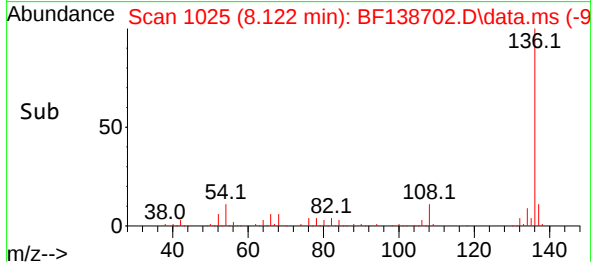
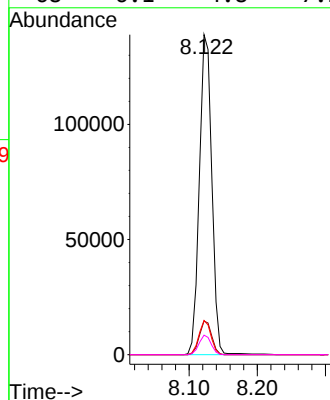
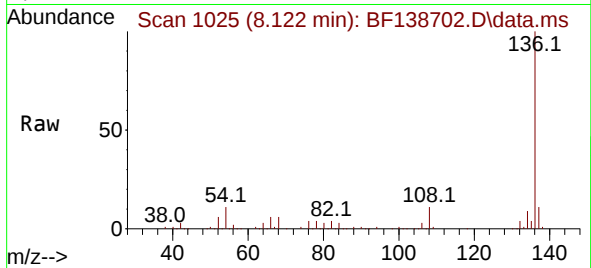




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

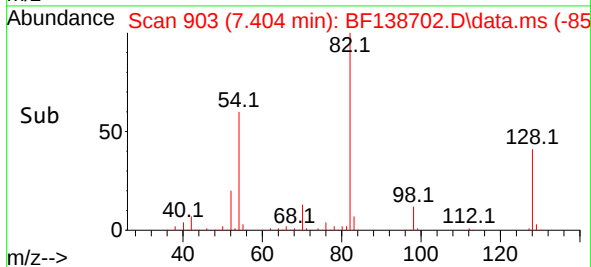
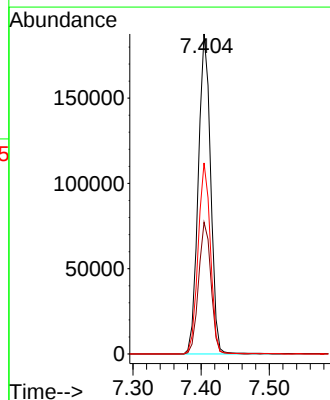
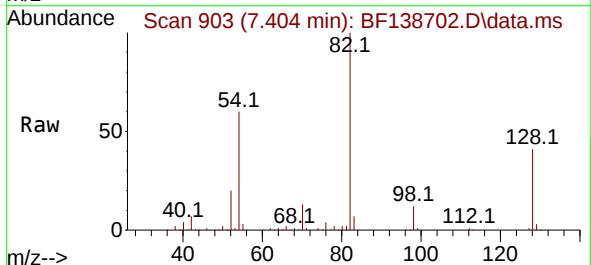
Instrument :
BNA_F
ClientSampleId :
WC-7-Full Waste Class

Tgt Ion:	136	Resp:	176376
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.7	8.6	12.8
68	6.1	4.8	7.2



#23
Nitrobenzene-d5
Concen: 65.695 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

Tgt Ion:	82	Resp:	236997
Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.8	49.2
54	59.7	48.3	72.5

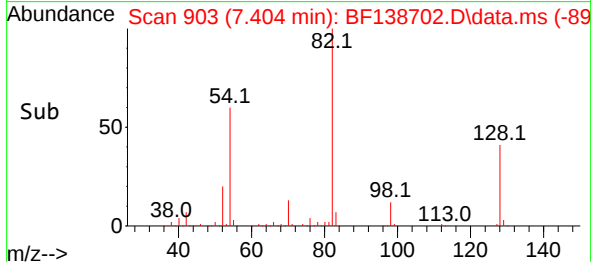
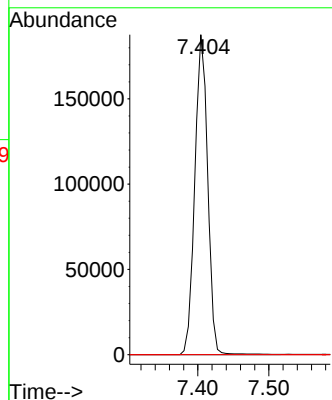
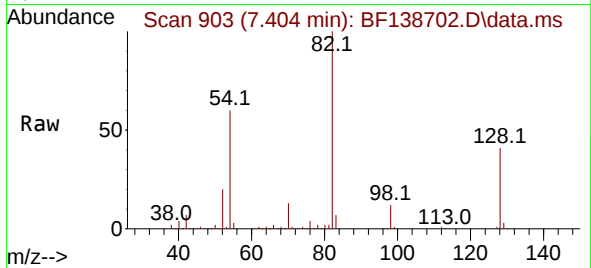




#25
Isophorone
Concen: 38.473 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

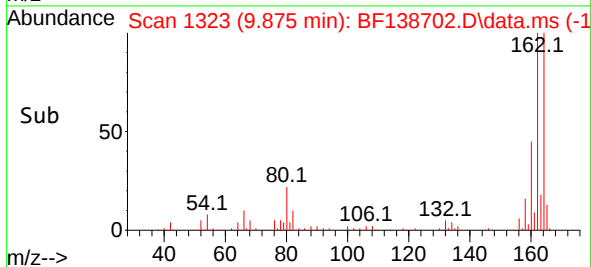
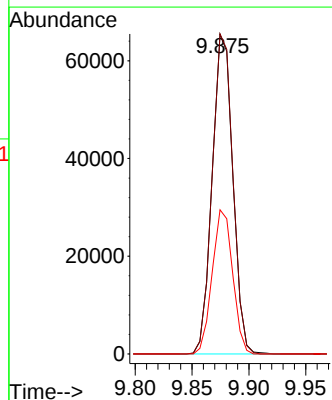
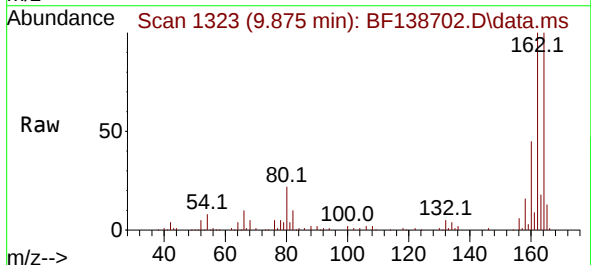
Instrument :
BNA_F
ClientSampleId :
WC-7-Full Waste Class

Tgt Ion: 82 Resp: 236995
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

Tgt Ion:164 Resp: 82548
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.0
160 45.1 35.1 52.7

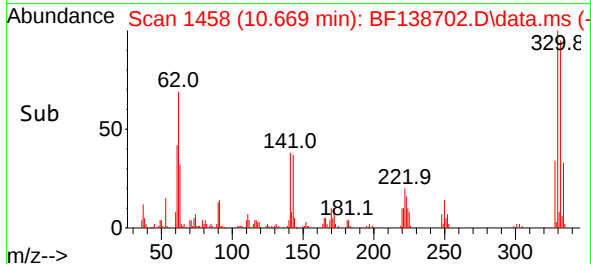
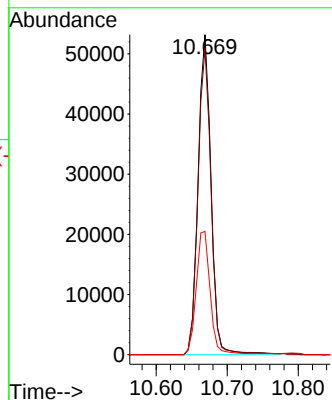
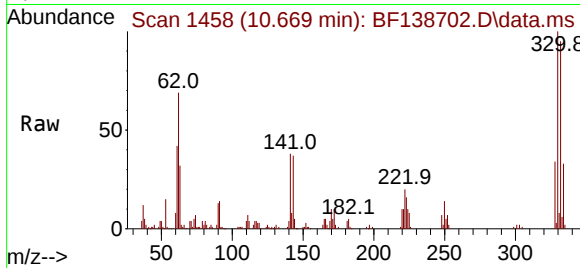




#42
2,4,6-Tribromophenol
Concen: 100.620 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

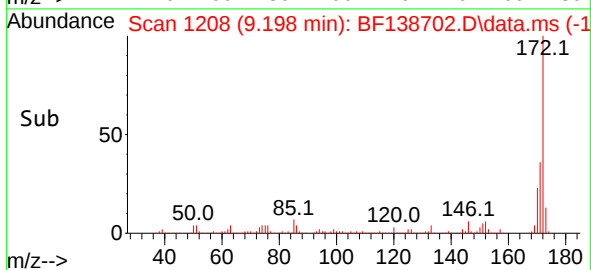
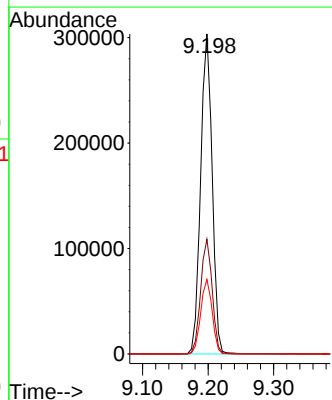
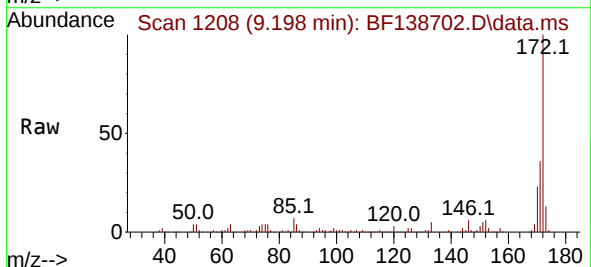
Instrument :
BNA_F
ClientSampleId :
WC-7-Full Waste Class

Tgt Ion:330 Resp: 68037
Ion Ratio Lower Upper
330 100
332 96.2 76.4 114.6
141 41.4 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 67.795 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

Tgt Ion:172 Resp: 372467
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.3 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.550 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

Instrument :

BNA_F

ClientSampleId :

WC-7-Full Waste Class

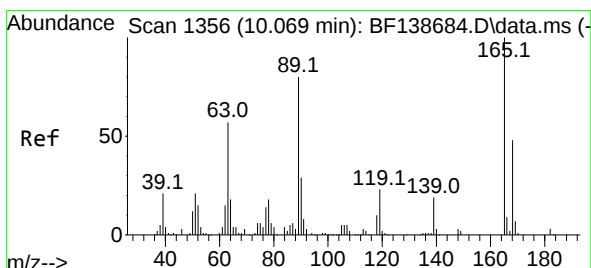
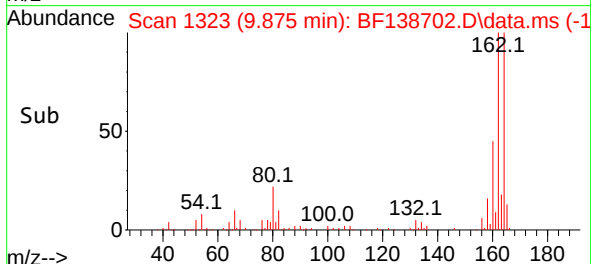
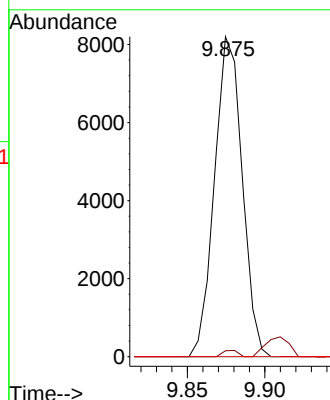
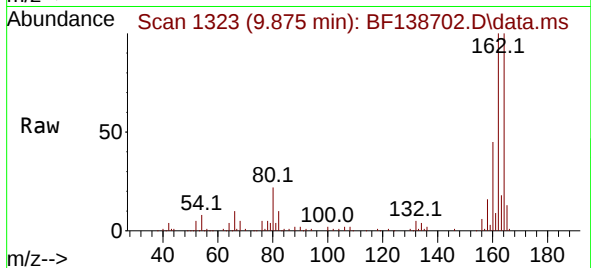
Tgt Ion:165 Resp: 10185

Ion Ratio Lower Upper

165 100

63 1.9 52.0 78.0#

89 0.0 47.0 70.6#



#57

2,4-Dinitrotoluene

Concen: 6.702 ng

RT: 9.875 min Scan# 1323

Delta R.T. -0.194 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

Tgt Ion:165 Resp: 10185

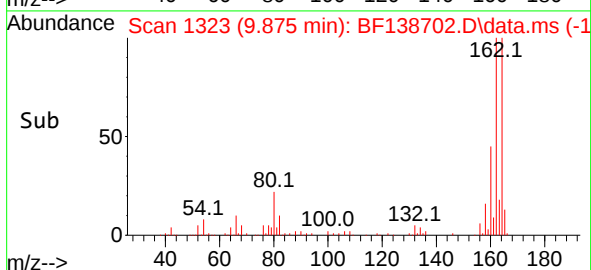
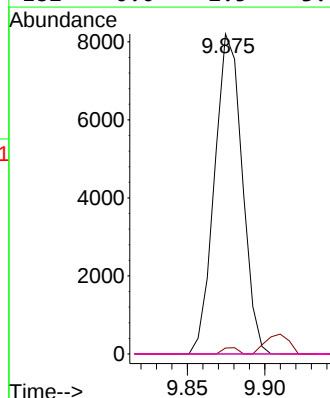
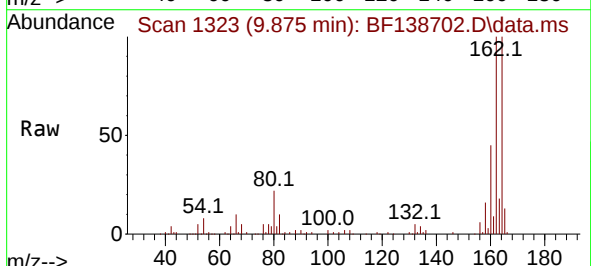
Ion Ratio Lower Upper

165 100

63 1.9 46.3 69.5#

89 0.0 64.2 96.4#

182 0.0 2.5 3.7#

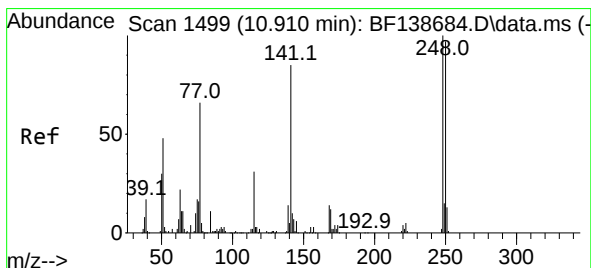
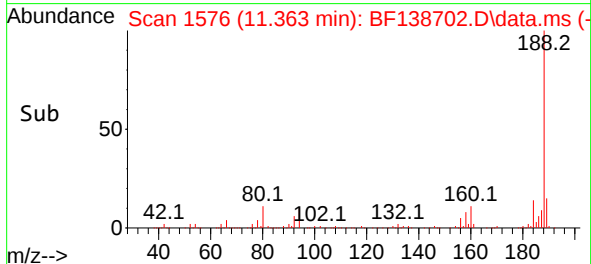
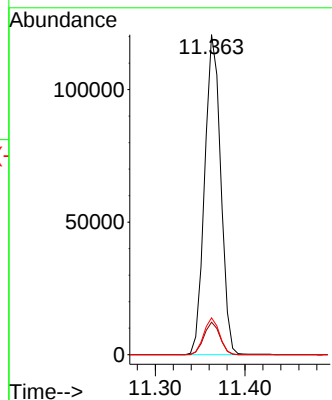
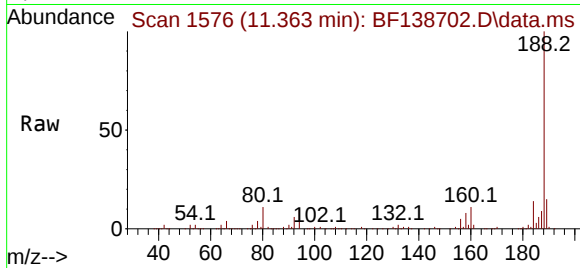




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

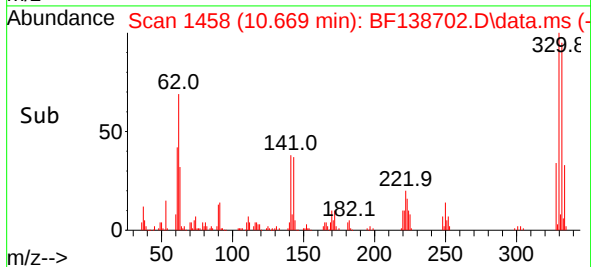
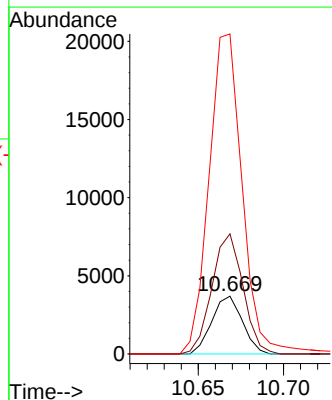
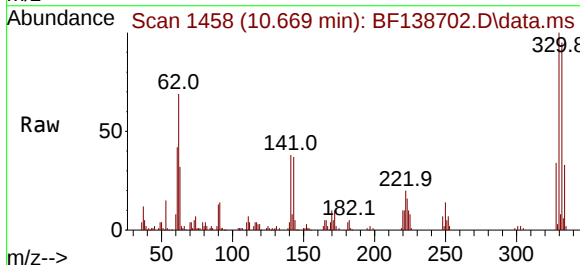
Instrument :
BNA_F
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WC-7-Full Waste Class

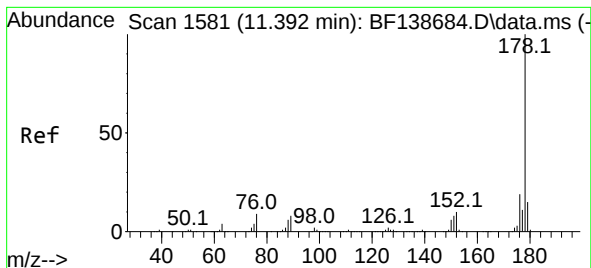
Tgt Ion:188 Resp: 150055
Ion Ratio Lower Upper
188 100
94 10.1 7.6 11.4
80 11.5 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 2.841 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.241 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

Tgt Ion:248 Resp: 4615
Ion Ratio Lower Upper
248 100
250 208.1 77.7 116.5#
141 554.2 68.0 102.0#





#71

Phenanthrene

Concen: 20.193 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

Instrument :

BNA_F

ClientSampleId :

WC-7-Full Waste Class

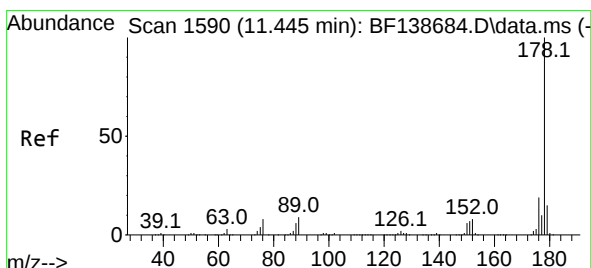
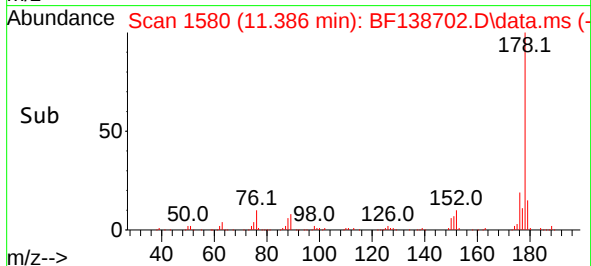
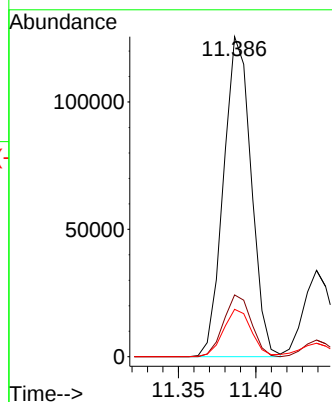
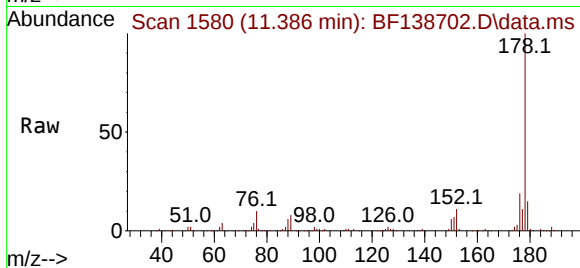
Tgt Ion:178 Resp: 156022

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 14.8 12.2 18.2



#72

Anthracene

Concen: 5.759 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

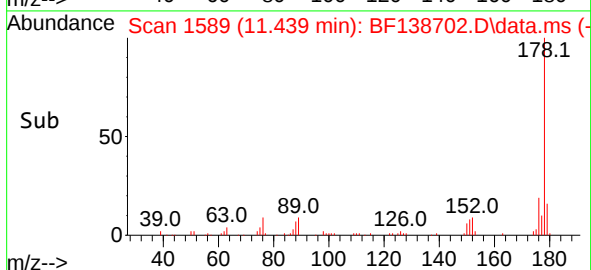
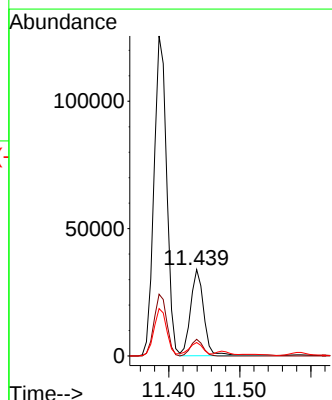
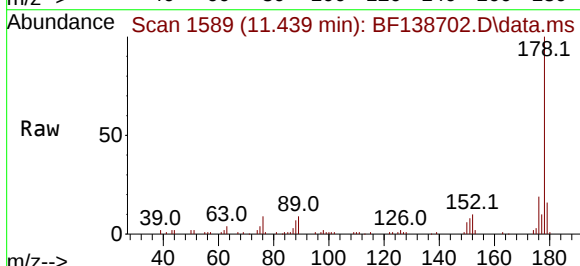
Tgt Ion:178 Resp: 43833

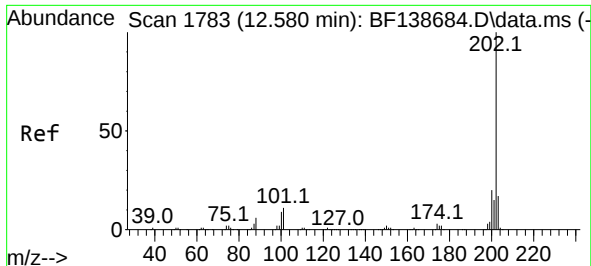
Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

179 15.6 12.4 18.6

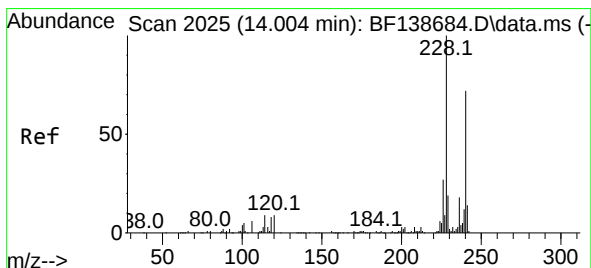
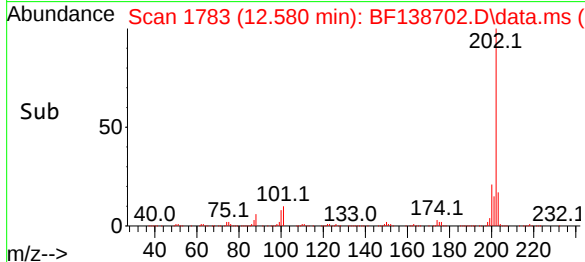
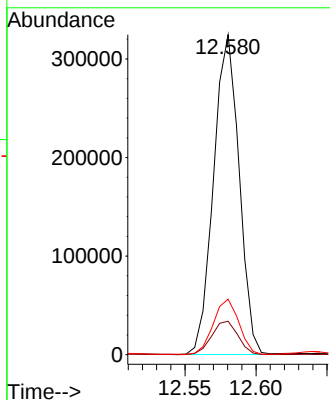
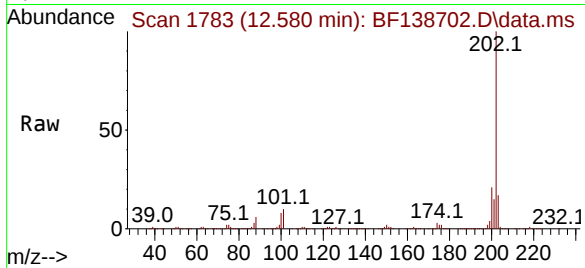




#75
Fluoranthene
Concen: 56.234 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

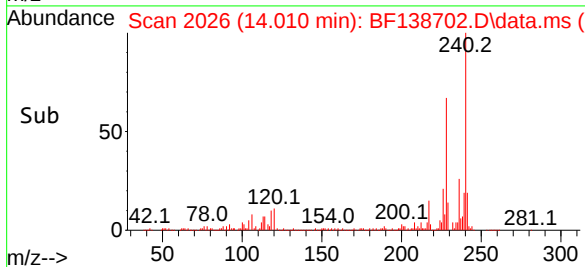
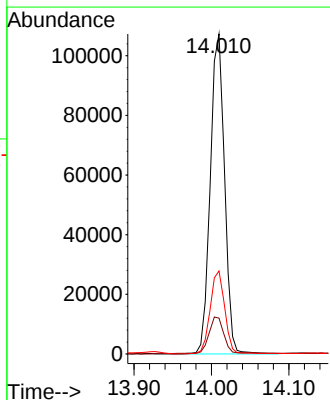
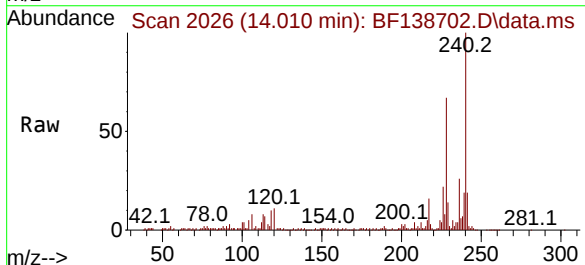
Instrument :
BNA_F
ClientSampleId :
WC-7-Full Waste Class

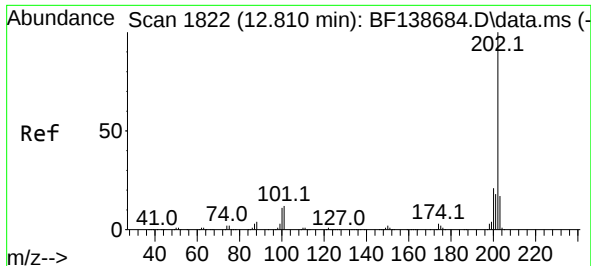
Tgt Ion:202 Resp: 405635
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.2
203 17.4 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

Tgt Ion:240 Resp: 137697
Ion Ratio Lower Upper
240 100
120 11.2 10.2 15.4
236 25.9 19.8 29.8

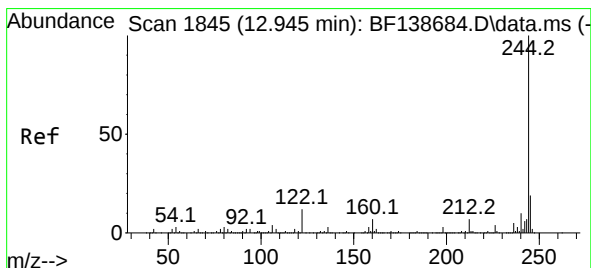
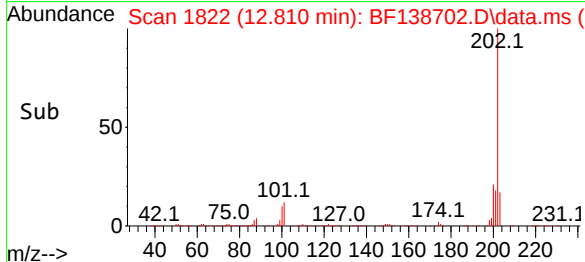
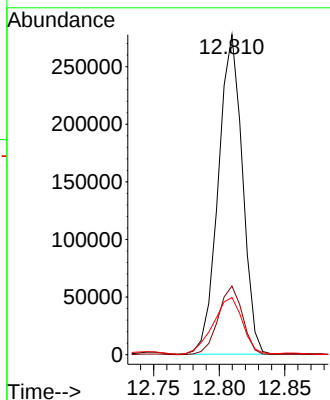
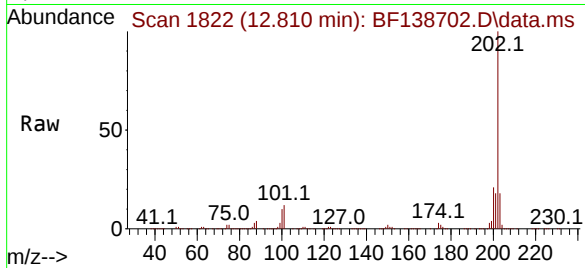




#78
Pyrene
Concen: 27.385 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

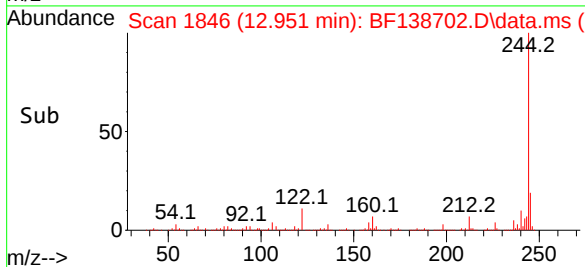
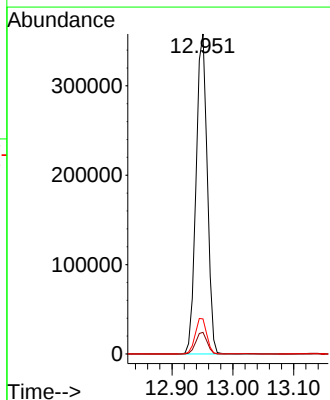
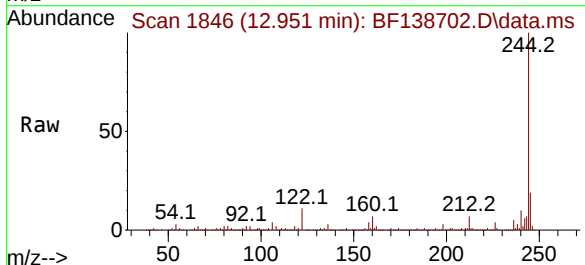
Instrument :
BNA_F
ClientSampleId :
WC-7-Full Waste Class

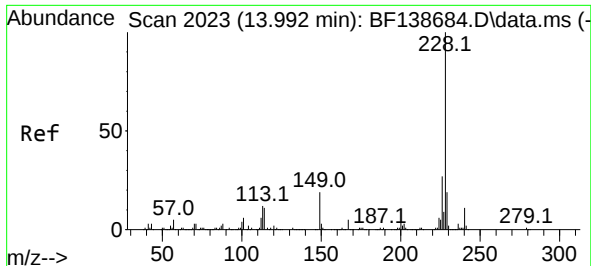
Tgt Ion:202 Resp: 355032
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 17.8 13.8 20.6



#79
Terphenyl-d14
Concen: 55.401 ng
RT: 12.951 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

Tgt Ion:244 Resp: 455633
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 11.0 9.6 14.4

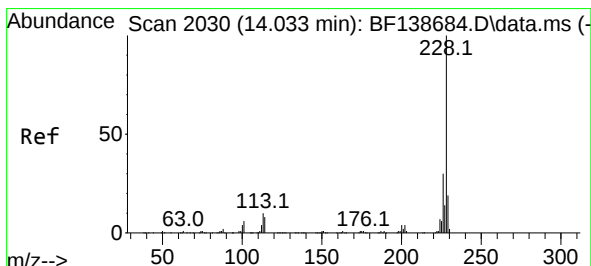
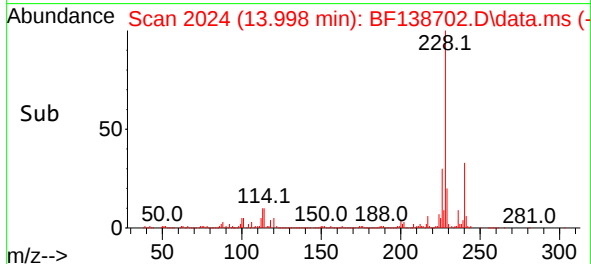
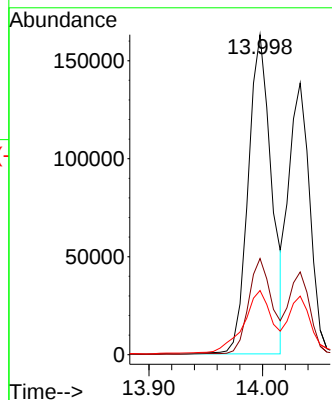
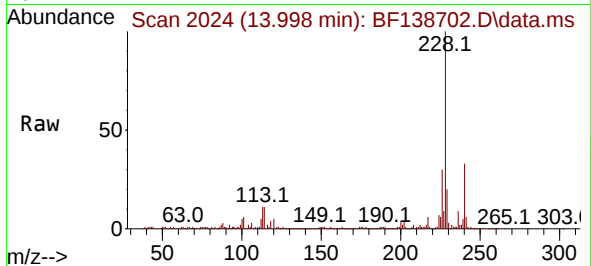




#81
Benzo(a)anthracene
Concen: 24.647 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

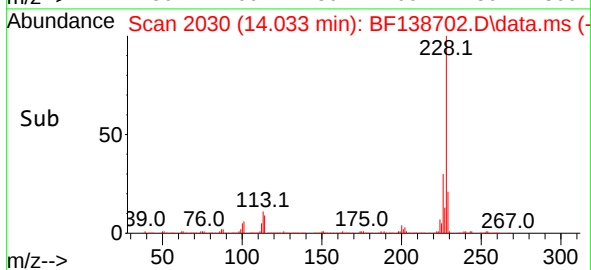
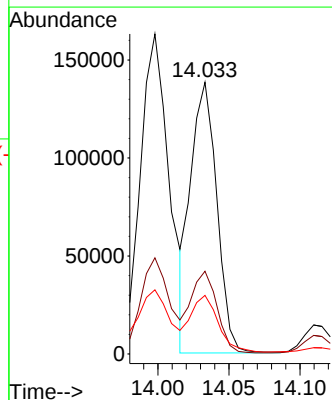
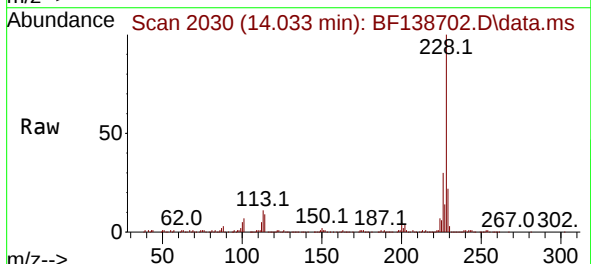
Instrument :
BNA_F
ClientSampleId :
WC-7-Full Waste Class

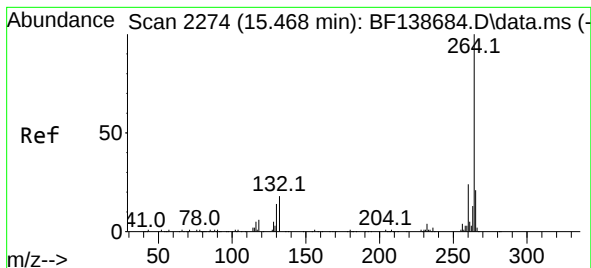
Tgt Ion:228 Resp: 233708
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 20.0 15.4 23.0



#83
Chrysene
Concen: 20.724 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138702.D
Acq: 31 Jul 2024 15:00

Tgt Ion:228 Resp: 177286
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 21.5 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

Instrument :

BNA_F

ClientSampleId :

WC-7-Full Waste Class

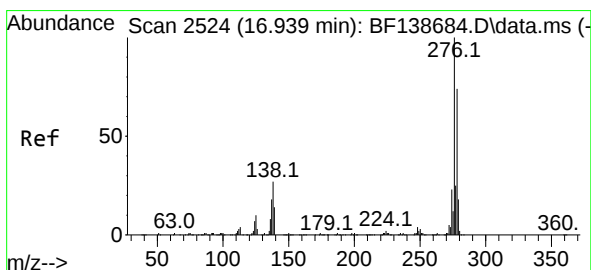
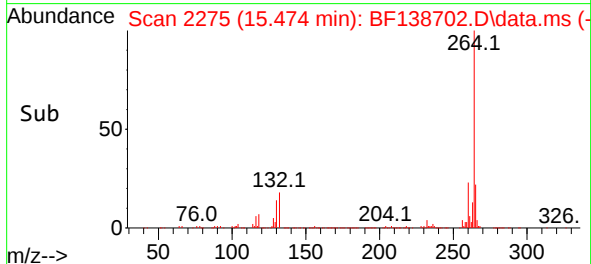
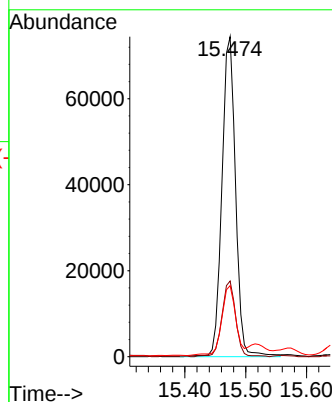
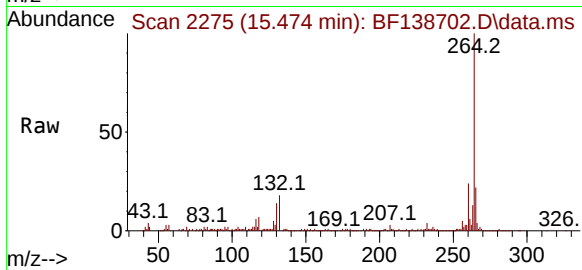
Tgt Ion:264 Resp: 115512

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.131 ng

RT: 16.933 min Scan# 2523

Delta R.T. -0.006 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

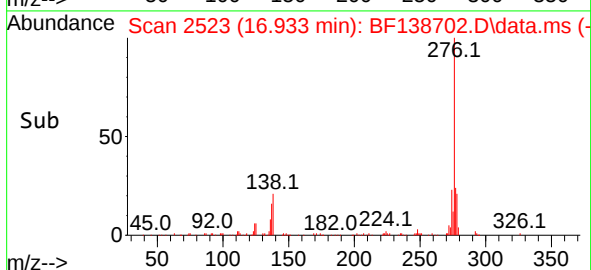
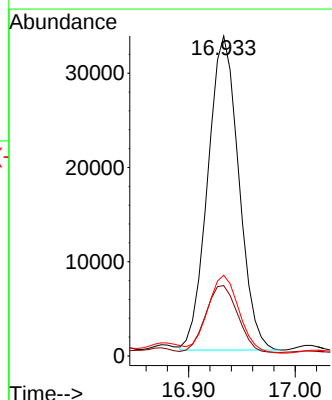
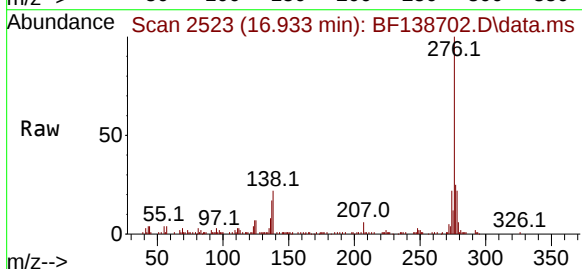
Tgt Ion:276 Resp: 67307

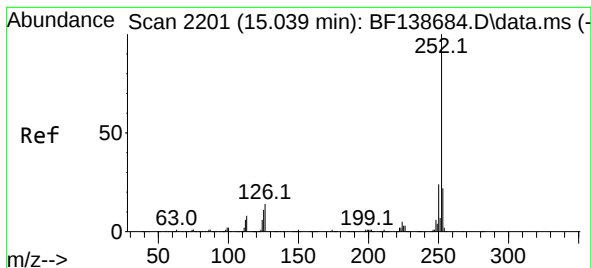
Ion Ratio Lower Upper

276 100

138 22.7 21.8 32.8

277 25.1 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 40.150 ng

RT: 15.045 min Scan# 2201

Delta R.T. 0.006 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

Instrument :

BNA_F

ClientSampleId :

WC-7-Full Waste Class

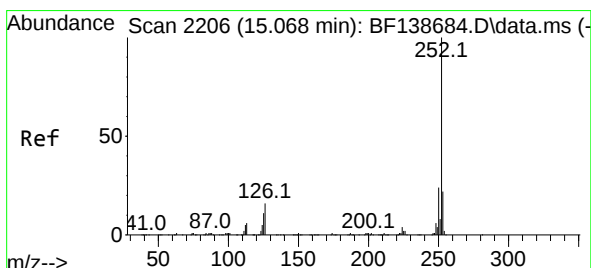
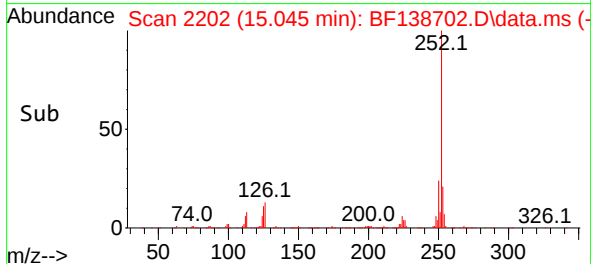
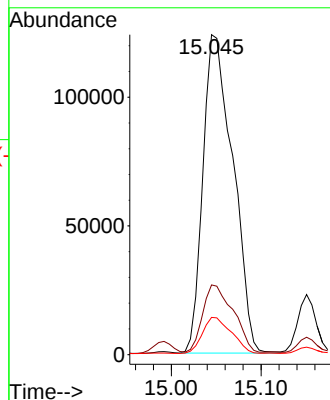
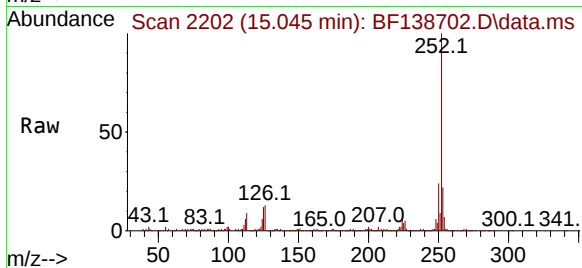
Tgt Ion:252 Resp: 287496

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 11.6 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 46.372 ng

RT: 15.045 min Scan# 2202

Delta R.T. -0.024 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

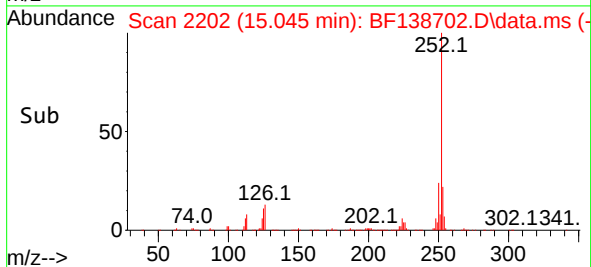
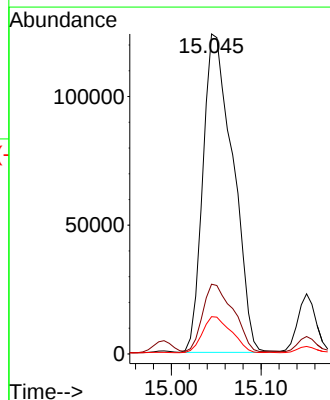
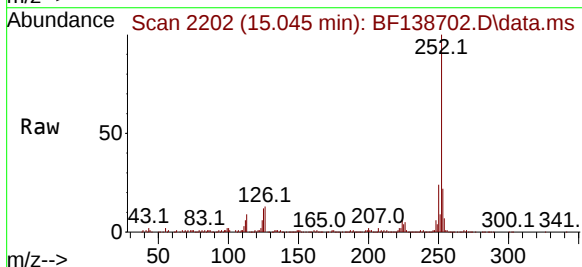
Tgt Ion:252 Resp: 287496

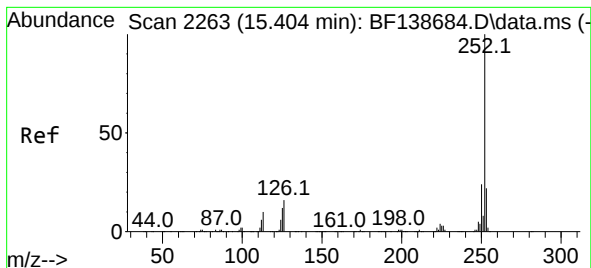
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 11.6 8.6 13.0





#90

Benzo(a)pyrene

Concen: 23.205 ng

RT: 15.409 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

Instrument :

BNA_F

ClientSampleId :

WC-7-Full Waste Class

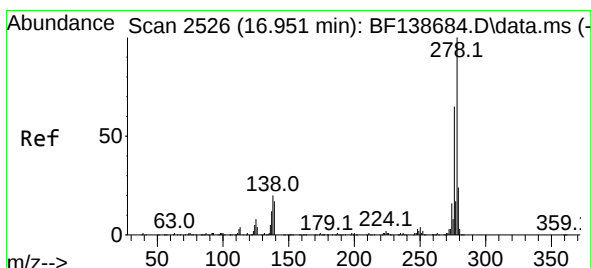
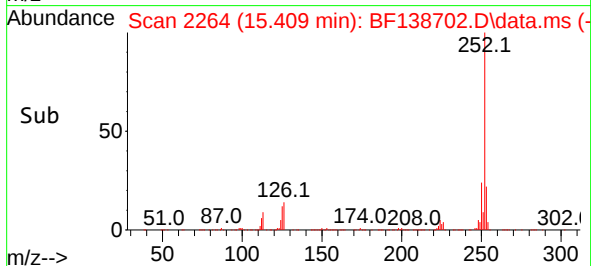
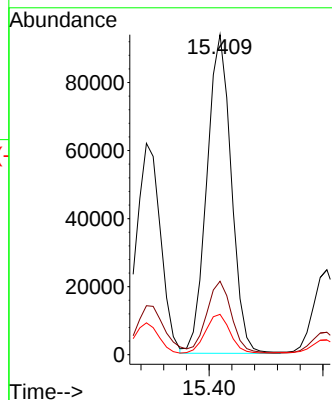
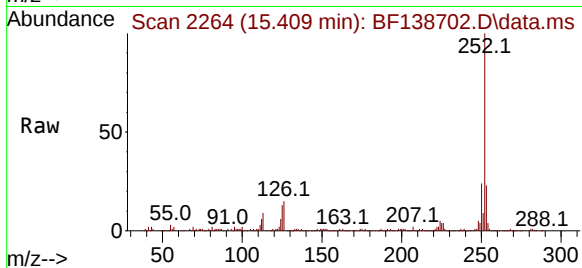
Tgt Ion:252 Resp: 139767

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 12.6 9.5 14.3



#91

Dibenzo(a,h)anthracene

Concen: 2.129 ng

RT: 17.109 min Scan# 2553

Delta R.T. 0.159 min

Lab File: BF138702.D

Acq: 31 Jul 2024 15:00

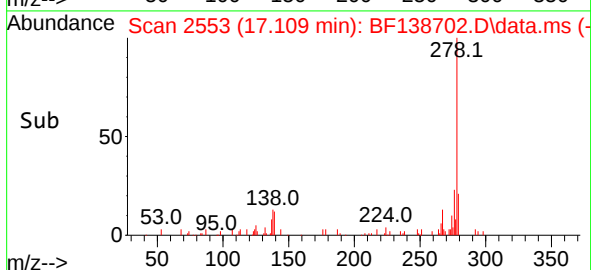
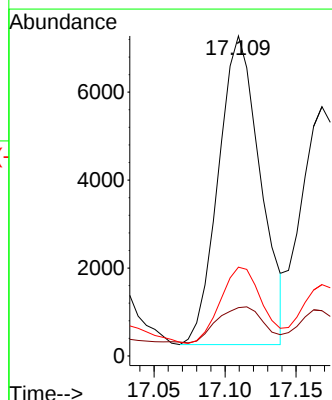
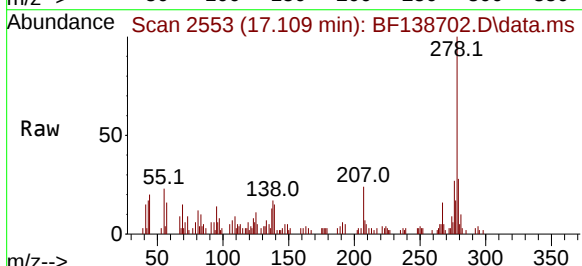
Tgt Ion:278 Resp: 14467

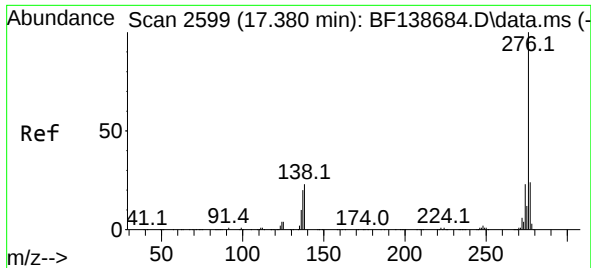
Ion Ratio Lower Upper

278 100

139 15.1 14.0 21.0

279 27.8 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 8.786 ng
 RT: 17.374 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF138702.D
 Acq: 31 Jul 2024 15:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-7-Full Waste Class

Tgt Ion:	276	Resp:	61952
Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	24.1	18.5	27.7

