

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
 Data File : BF138701.D
 Acq On : 31 Jul 2024 14:30
 Operator : RC/JU
 Sample : P3376-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6-Full Waste Class

Quant Time: Jul 31 14:57:59 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)

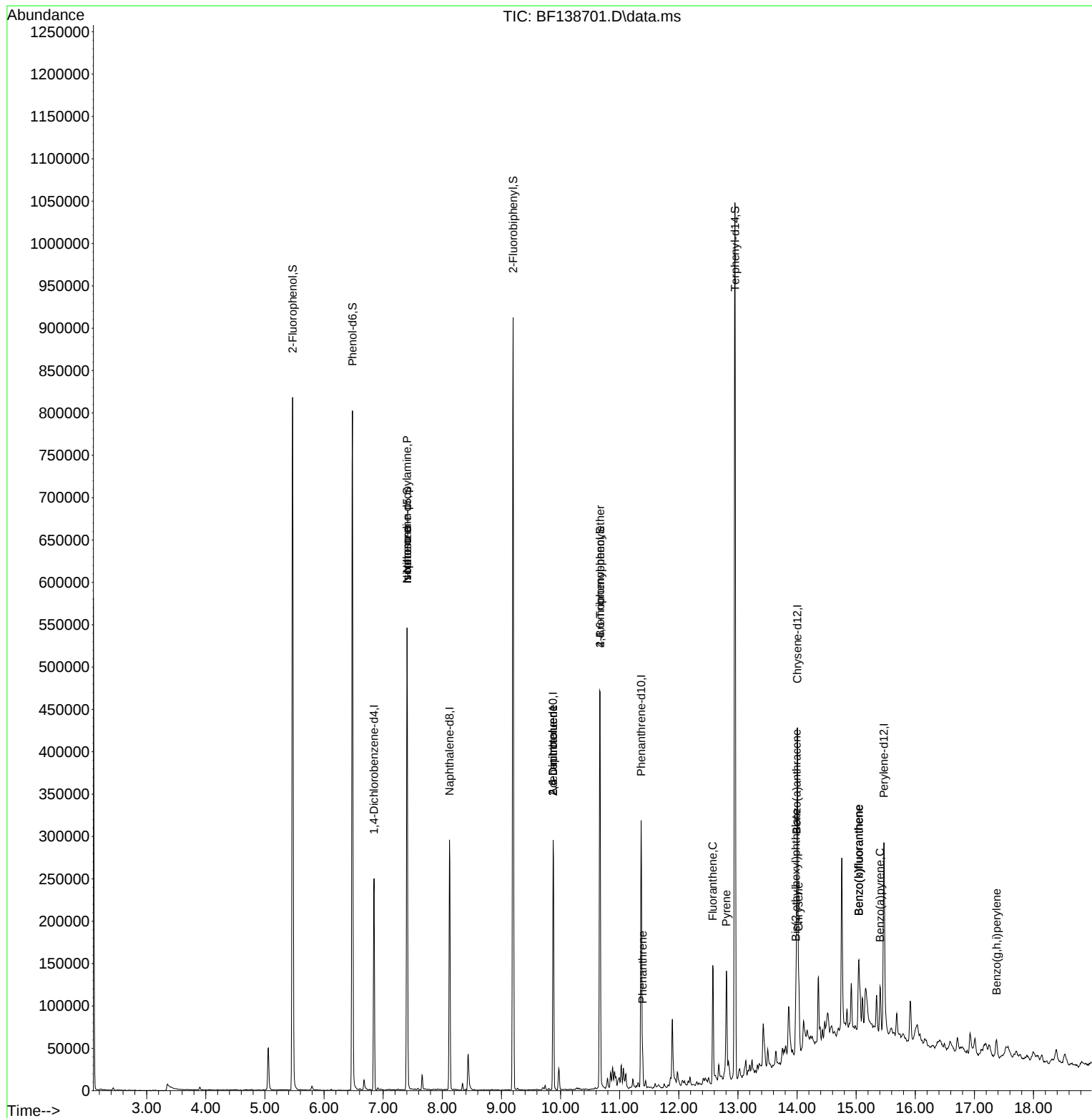
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	48467	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	174894	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	86048	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	154636	20.000	ng	0.00
76) Chrysene-d12	14.004	240	145183	20.000	ng	0.00
86) Perylene-d12	15.469	264	121102	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	275878	87.866	ng	0.00
7) Phenol-d6	6.481	99	346923	82.298	ng	0.00
23) Nitrobenzene-d5	7.404	82	224785	62.838	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	70307	99.748	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	377252	65.873	ng	0.00
79) Terphenyl-d14	12.951	244	482832	55.681	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	29805	11.706	ng	# 75
25) Isophorone	7.404	82	224784	36.800	ng	# 66
51) 2,6-Dinitrotoluene	9.875	165	11323	9.119	ng	# 21
57) 2,4-Dinitrotoluene	9.875	165	11323	7.147	ng	# 17
67) 4-Bromophenyl-phenylether	10.669	248	4852	2.898	ng	# 1
71) Phenanthrene	11.386	178	20446	2.568	ng	99
75) Fluoranthene	12.575	202	75602	10.170	ng	99
78) Pyrene	12.804	202	70835	5.182	ng	98
81) Benzo(a)anthracene	13.992	228	42509	4.252	ng	95
83) Chrysene	14.027	228	41661	4.619	ng	96
84) Bis(2-ethylhexyl)phtha...	13.980	149	16338	2.549	ng	# 99
88) Benzo(b)fluoranthene	15.045	252	67628	9.008	ng	96
89) Benzo(k)fluoranthene	15.045	252	67628	10.405	ng	96
90) Benzo(a)pyrene	15.404	252	29424	4.660	ng	93
92) Benzo(g,h,i)perylene	17.374	276	17057	2.307	ng	99

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

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Quant Time: Jul 31 14:57:59 2024
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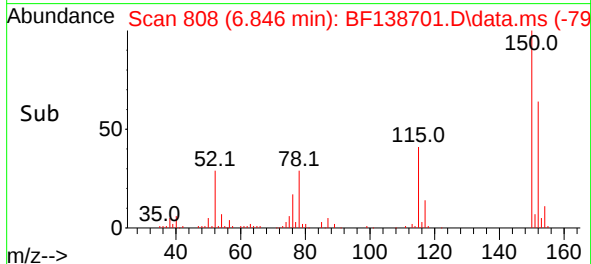
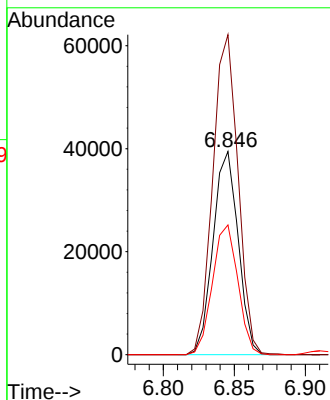
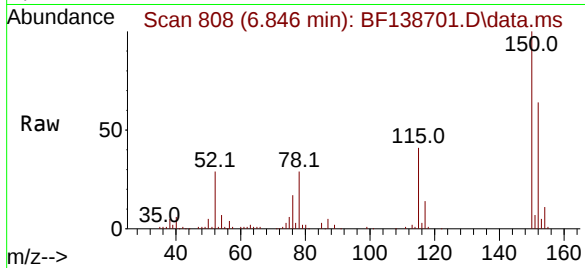




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

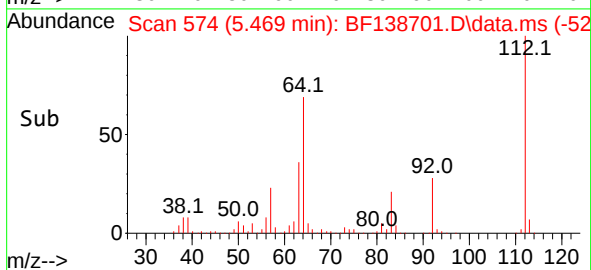
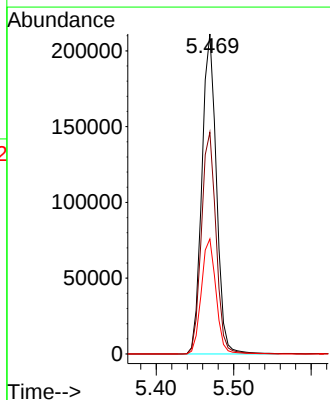
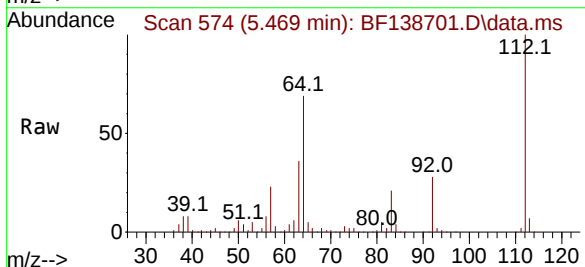
Instrument :
BNA_F
ClientSampleId :
WC-6-Full Waste Class

Tgt Ion:152 Resp: 48467
Ion Ratio Lower Upper
152 100
150 157.4 126.0 189.0
115 63.9 51.7 77.5



#5
2-Fluorophenol
Concen: 87.866 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

Tgt Ion:112 Resp: 275878
Ion Ratio Lower Upper
112 100
64 69.3 54.2 81.4
63 36.0 28.7 43.1

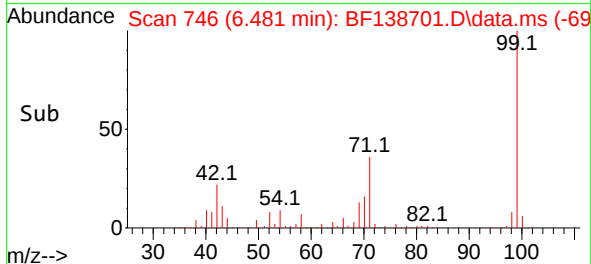
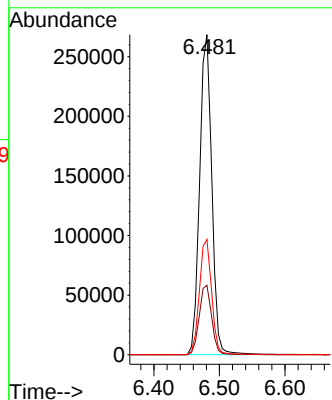
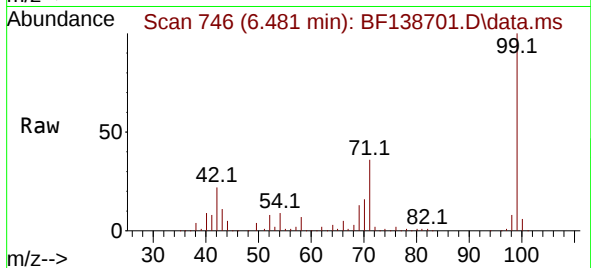




#7
Phenol-d6
Concen: 82.298 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

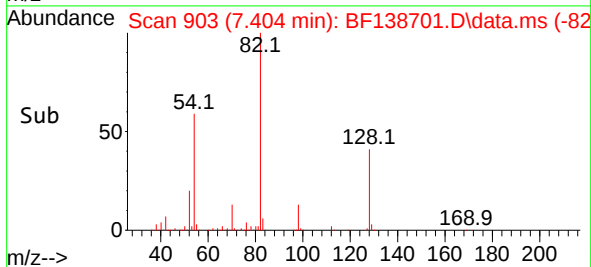
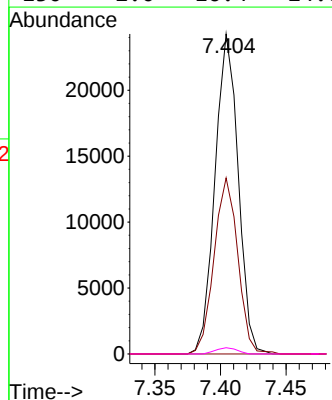
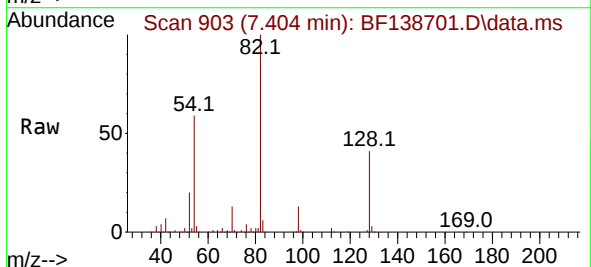
Instrument :
BNA_F
ClientSampleId :
WC-6-Full Waste Class

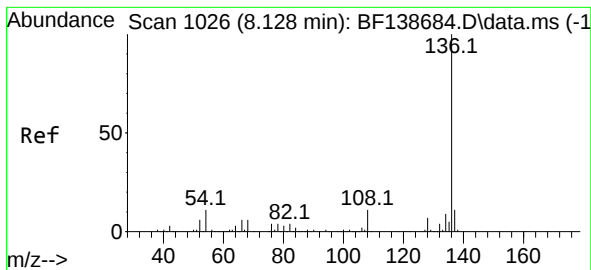
Tgt Ion: 99 Resp: 346923
Ion Ratio Lower Upper
99 100
42 21.7 17.4 26.0
71 36.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.706 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

Tgt Ion: 70 Resp: 29805
Ion Ratio Lower Upper
70 100
42 55.0 57.4 86.0#
101 0.0 7.5 11.3#
130 2.0 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

Instrument :

BNA_F

ClientSampleId :

WC-6-Full Waste Class

Tgt Ion:136 Resp: 174894

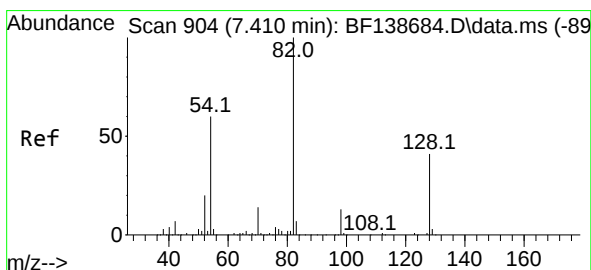
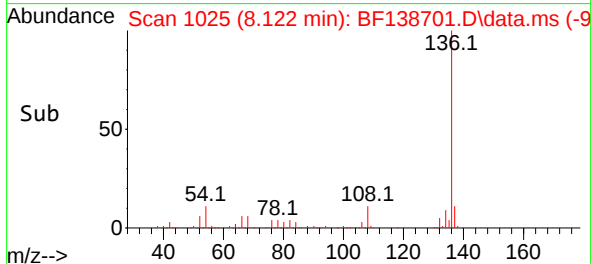
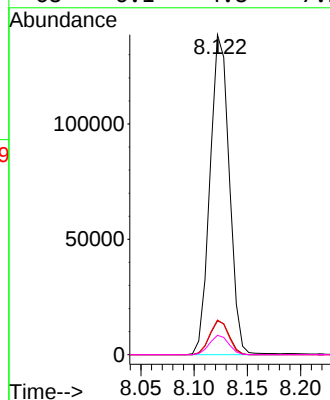
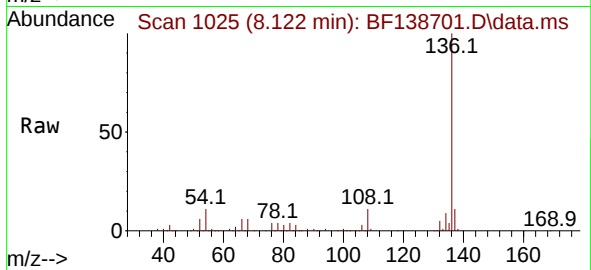
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 10.8 8.6 12.8

68 6.1 4.8 7.2



#23

Nitrobenzene-d5

Concen: 62.838 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

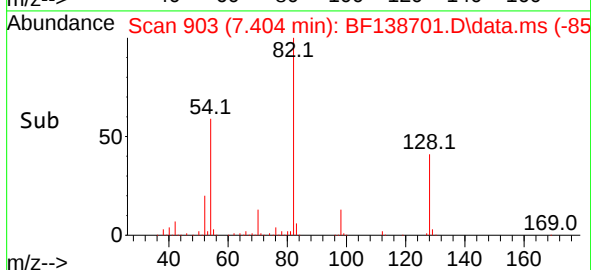
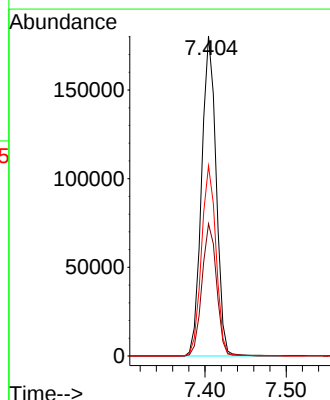
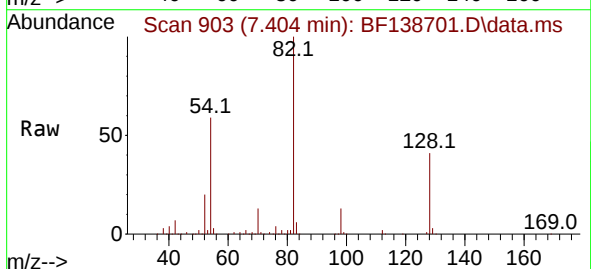
Tgt Ion: 82 Resp: 224785

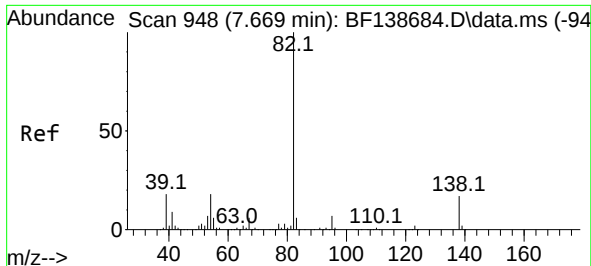
Ion Ratio Lower Upper

82 100

128 41.3 32.8 49.2

54 59.4 48.3 72.5

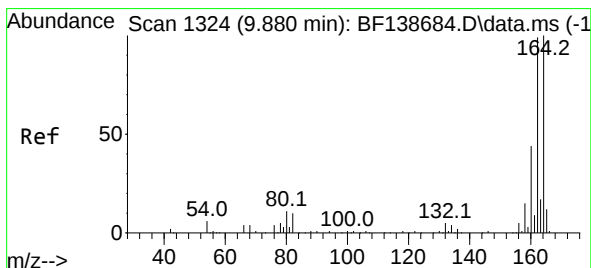
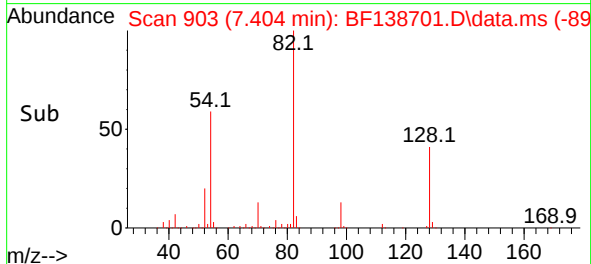
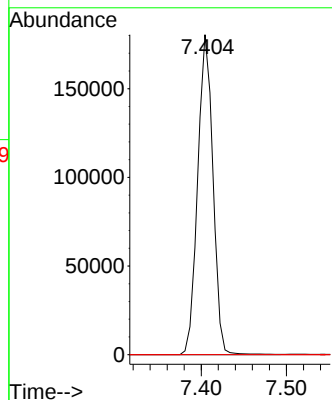
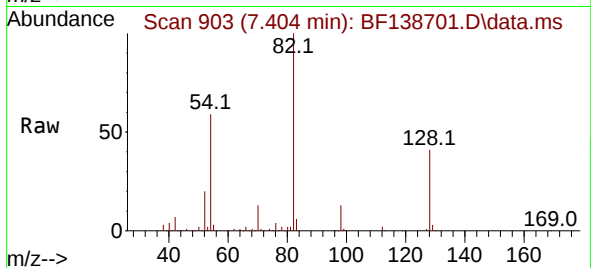




#25
Isophorone
Concen: 36.800 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

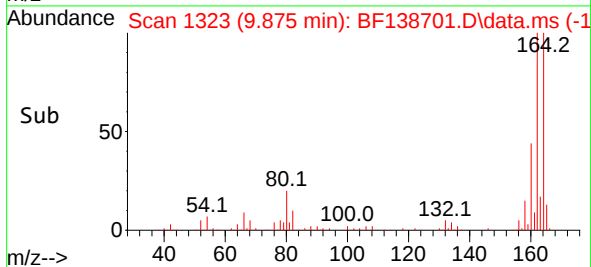
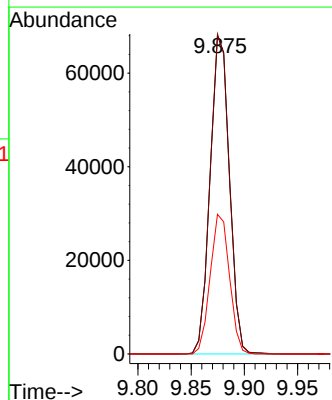
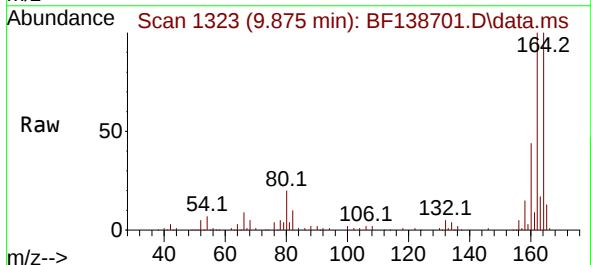
Instrument :
BNA_F
ClientSampleId :
WC-6-Full Waste Class

Tgt Ion: 82 Resp: 224784
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: BF138701.D
Acq: 31 Jul 2024 14:30

Tgt Ion: 164 Resp: 86048
Ion Ratio Lower Upper
164 100
162 100.5 79.4 119.0
160 43.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 99.748 ng

RT: 10.669 min Scan# 1458

Delta R.T. 0.000 min

Lab File: BF138701.D

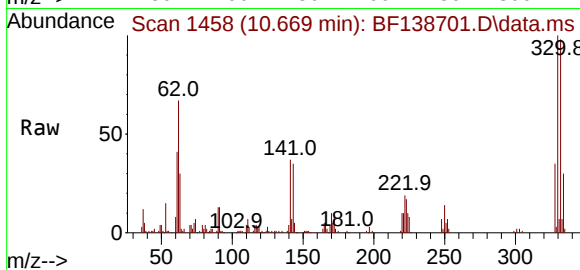
Acq: 31 Jul 2024 14:30

Instrument :

BNA_F

ClientSampleId :

WC-6-Full Waste Class



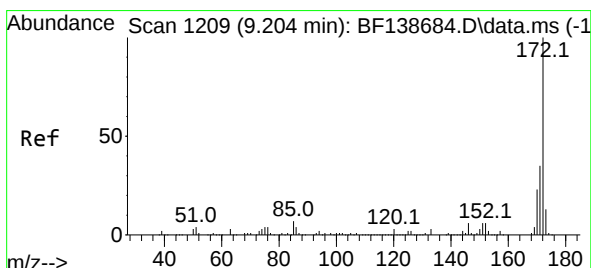
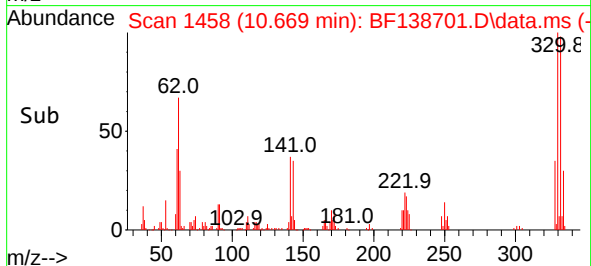
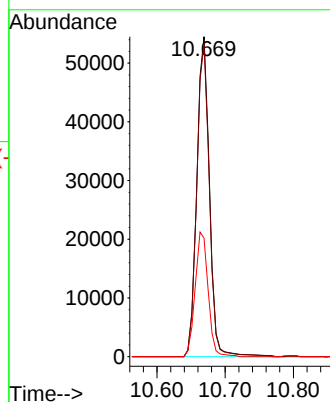
Tgt Ion:330 Resp: 70307

Ion Ratio Lower Upper

330 100

332 97.4 76.4 114.6

141 39.7 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 65.873 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

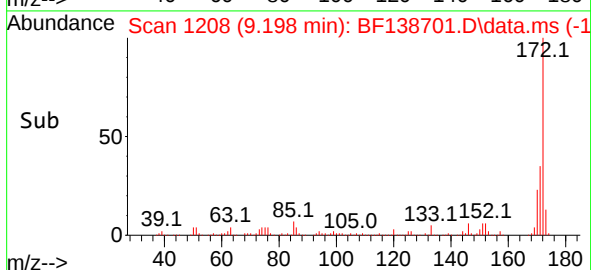
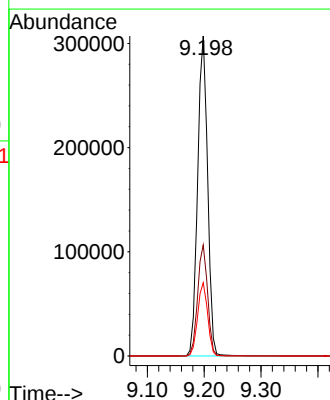
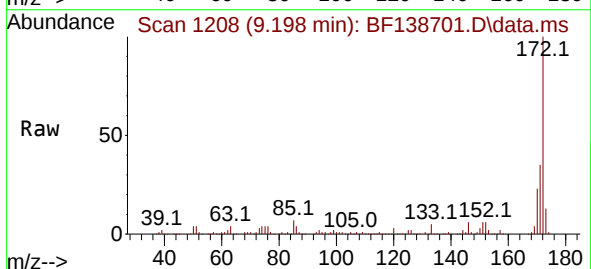
Tgt Ion:172 Resp: 377252

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 22.9 18.8 28.2

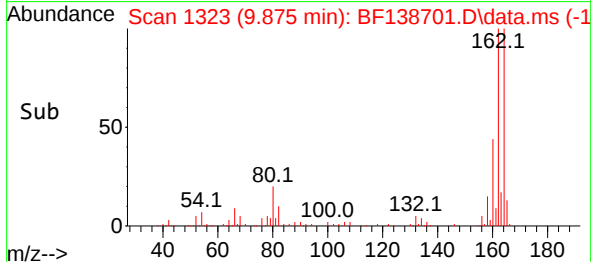
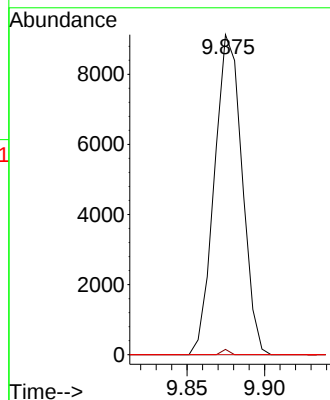
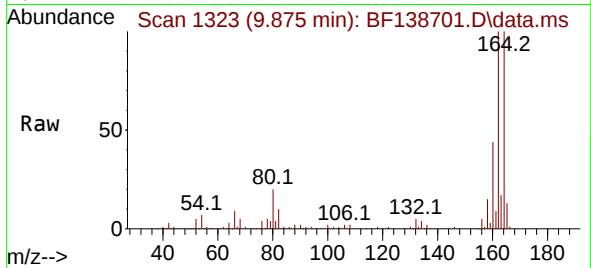




#51
2,6-Dinitrotoluene
Concen: 9.119 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

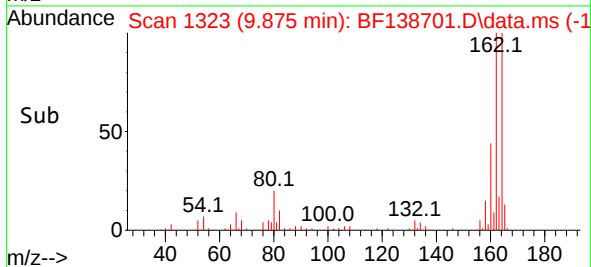
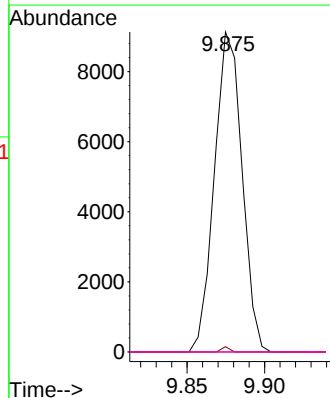
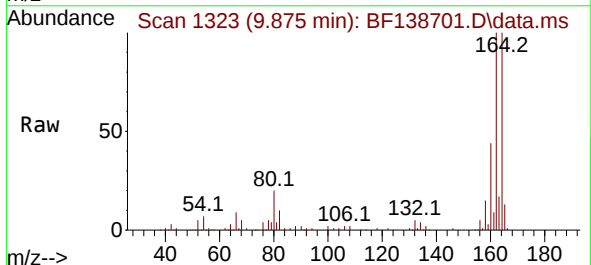
Instrument :
BNA_F
ClientSampleId :
WC-6-Full Waste Class

Tgt Ion:165 Resp: 11323
Ion Ratio Lower Upper
165 100
63 1.7 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.147 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

Tgt Ion:165 Resp: 11323
Ion Ratio Lower Upper
165 100
63 1.7 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# 1

Delta R.T. -0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

Instrument :

BNA_F

ClientSampleId :

WC-6-Full Waste Class

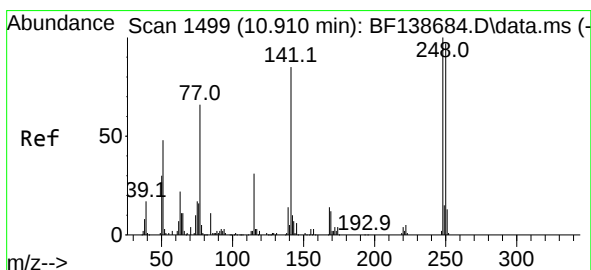
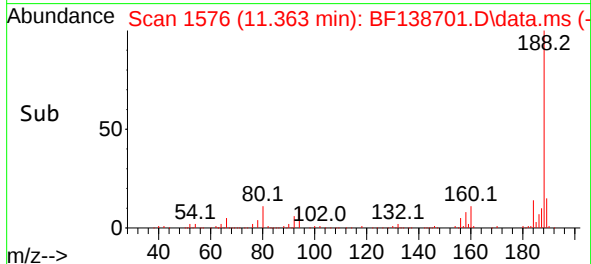
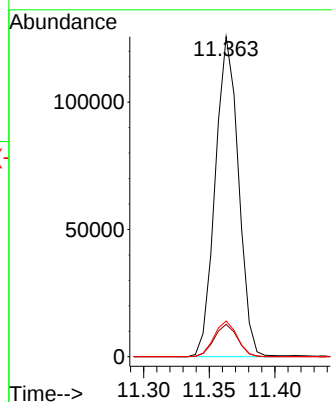
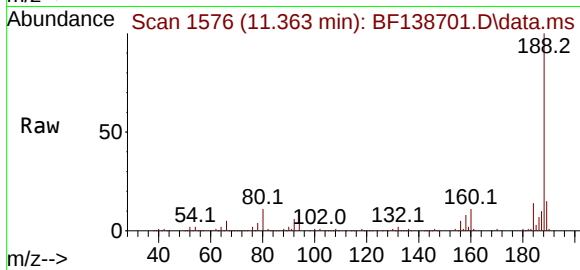
Tgt Ion:188 Resp: 154636

Ion Ratio Lower Upper

188 100

94 10.1 7.6 11.4

80 11.2 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.898 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

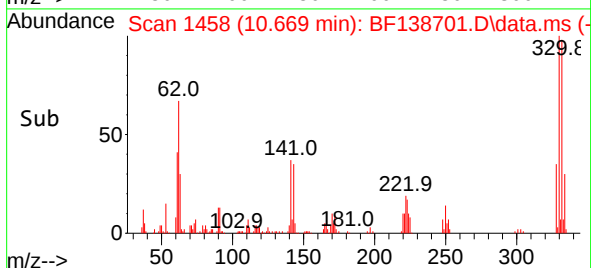
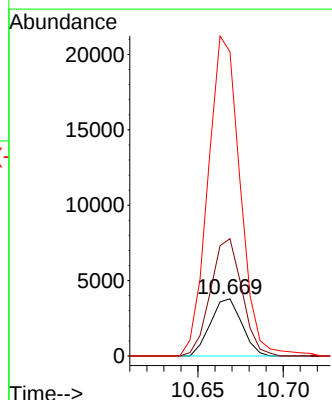
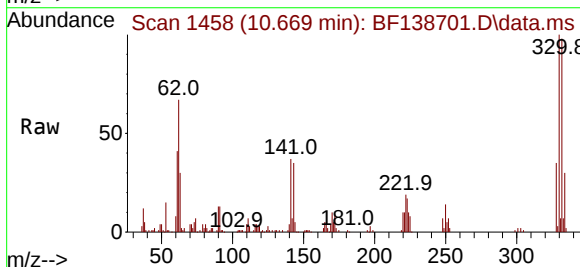
Tgt Ion:248 Resp: 4852

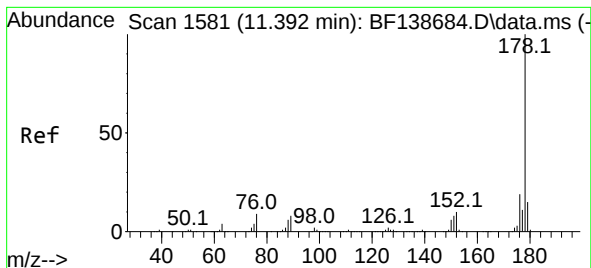
Ion Ratio Lower Upper

248 100

250 205.3 77.7 116.5#

141 532.7 68.0 102.0#





#71

Phenanthrene

Concen: 2.568 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

Instrument :

BNA_F

ClientSampleId :

WC-6-Full Waste Class

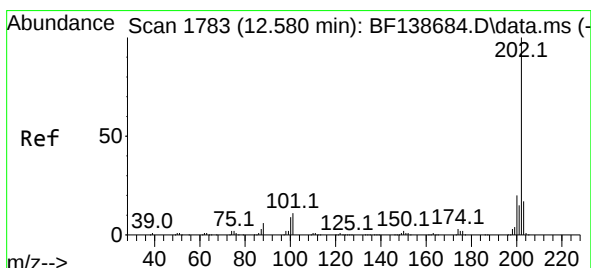
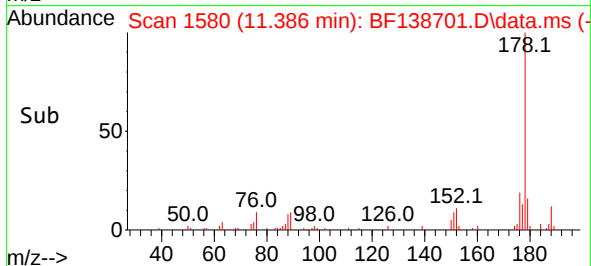
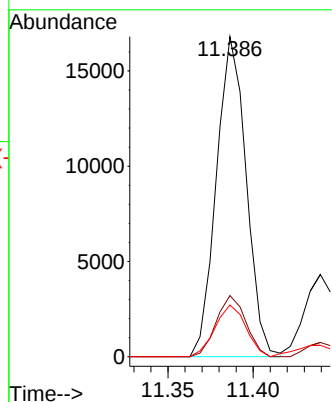
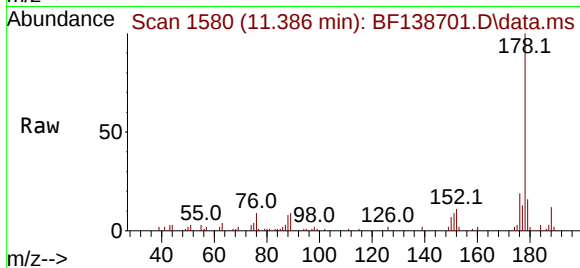
Tgt Ion:178 Resp: 20446

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 16.1 12.2 18.2



#75

Fluoranthene

Concen: 10.170 ng

RT: 12.575 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

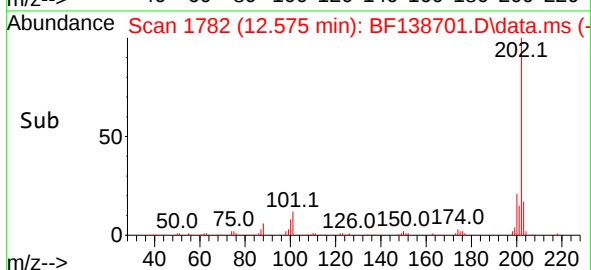
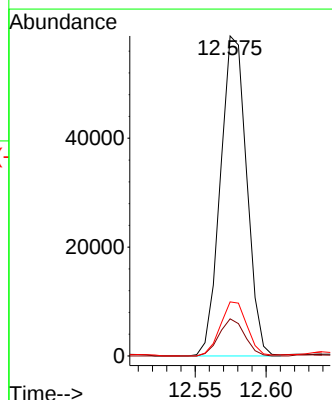
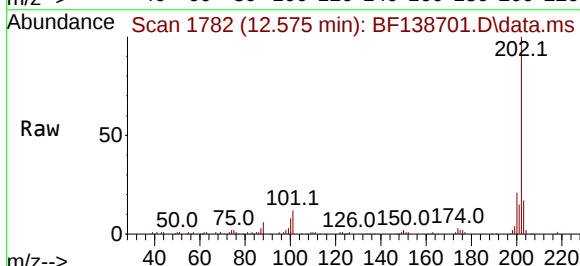
Tgt Ion:202 Resp: 75602

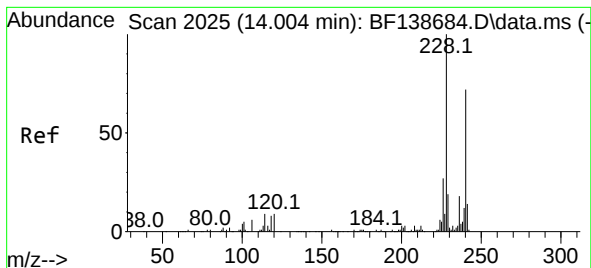
Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.2

203 16.9 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

Instrument :

BNA_F

ClientSampleId :

WC-6-Full Waste Class

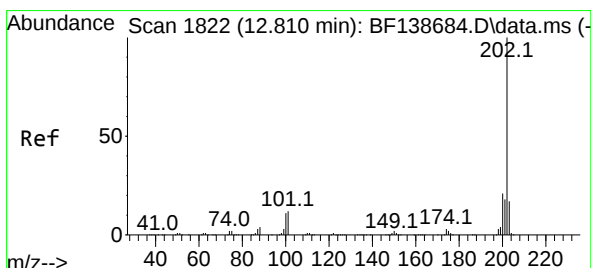
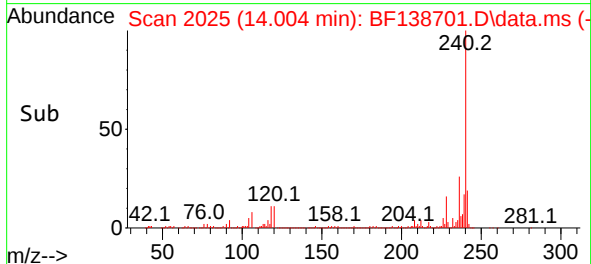
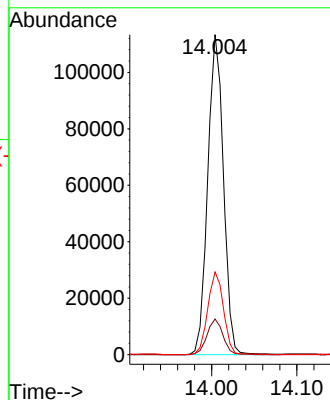
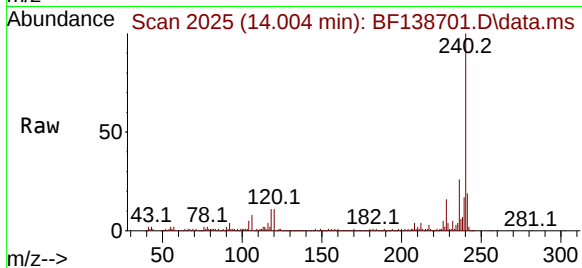
Tgt Ion:240 Resp: 145183

Ion Ratio Lower Upper

240 100

120 11.2 10.2 15.4

236 25.9 19.8 29.8



#78

Pyrene

Concen: 5.182 ng

RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

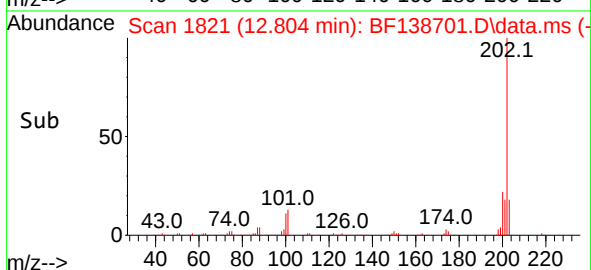
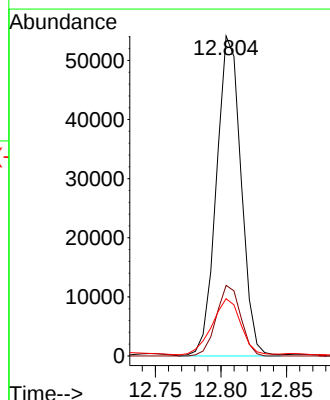
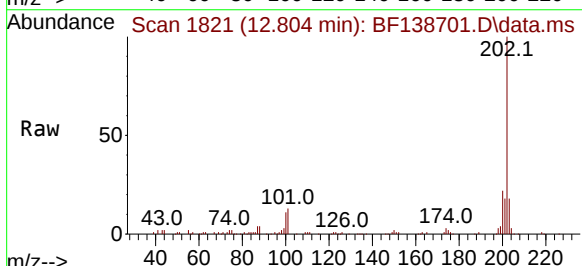
Tgt Ion:202 Resp: 70835

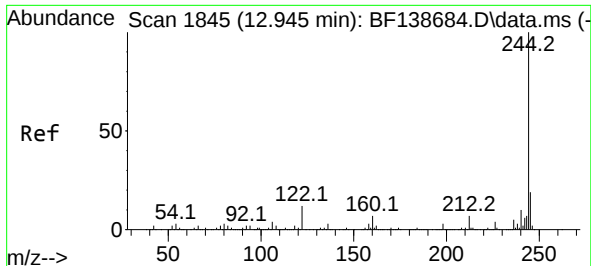
Ion Ratio Lower Upper

202 100

200 22.1 16.8 25.2

203 17.9 13.8 20.6

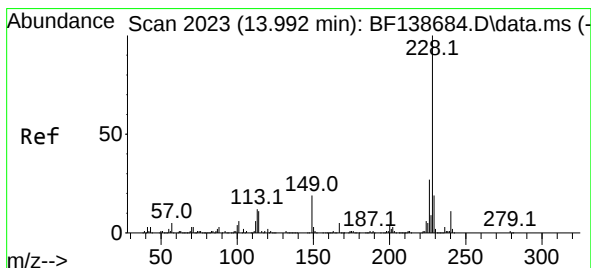
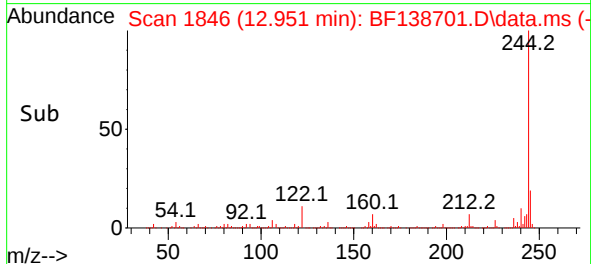
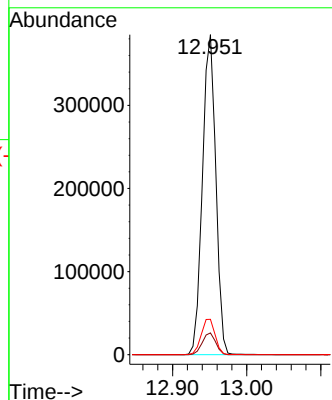
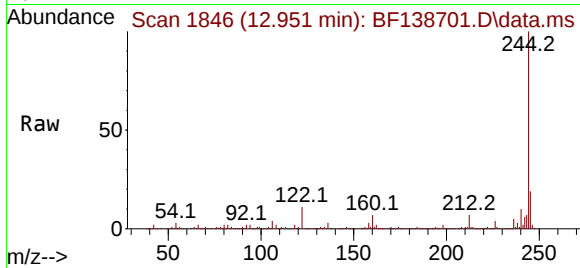




#79
 Terphenyl-d14
 Concen: 55.681 ng
 RT: 12.951 min Scan# 1846
 Delta R.T. 0.006 min
 Lab File: BF138701.D
 Acq: 31 Jul 2024 14:30

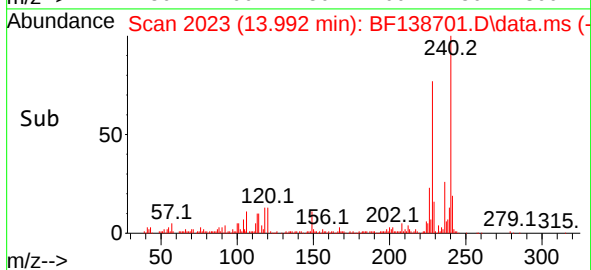
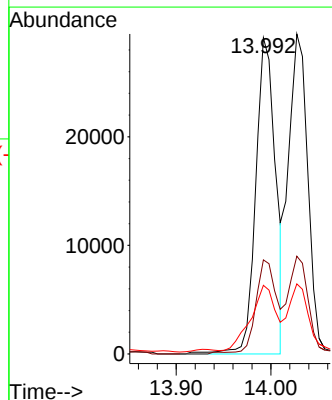
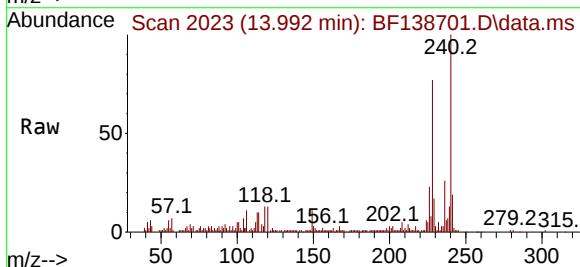
Instrument :
 BNA_F
 ClientSampleId :
 WC-6-Full Waste Class

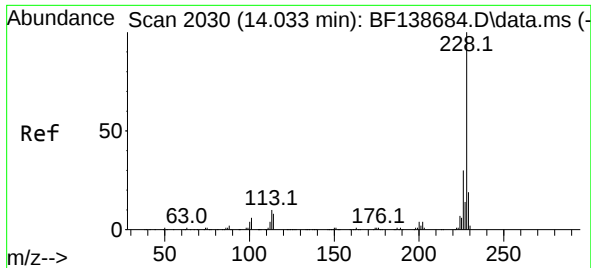
Tgt Ion:244 Resp: 482832
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.1 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 4.252 ng
 RT: 13.992 min Scan# 2023
 Delta R.T. 0.000 min
 Lab File: BF138701.D
 Acq: 31 Jul 2024 14:30

Tgt Ion:228 Resp: 42509
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.1 33.1
 229 21.7 15.4 23.0





#83

Chrysene

Concen: 4.619 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

Instrument :

BNA_F

ClientSampleId :

WC-6-Full Waste Class

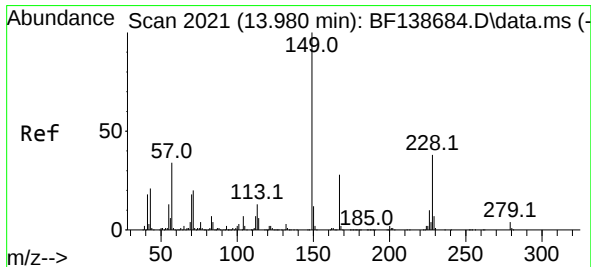
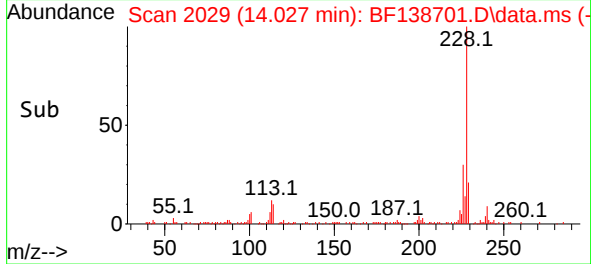
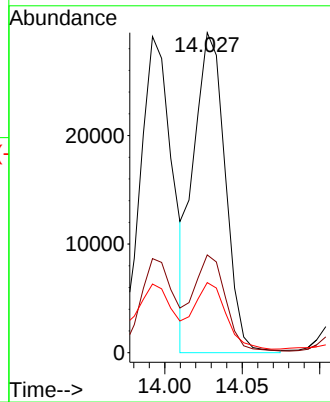
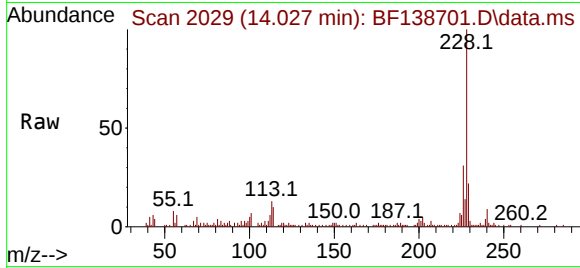
Tgt Ion:228 Resp: 41661

Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

229 21.9 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.549 ng

RT: 13.980 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

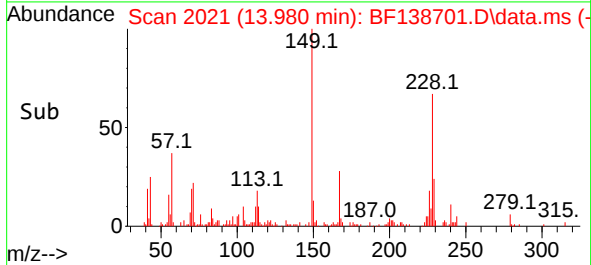
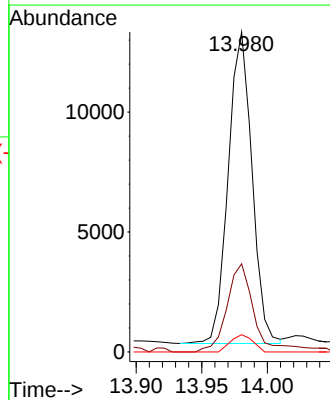
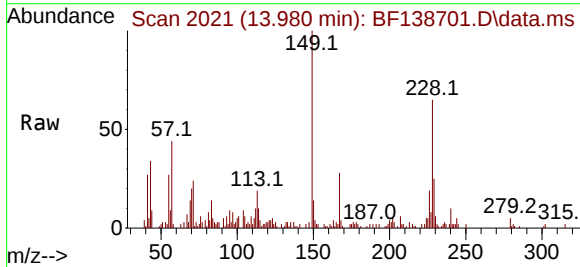
Tgt Ion:149 Resp: 16338

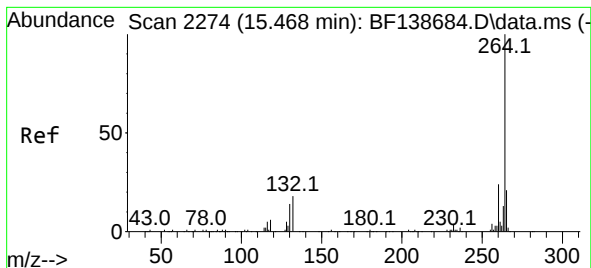
Ion Ratio Lower Upper

149 100

167 27.5 22.2 33.4

279 5.4 3.4 5.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.469 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

Instrument :

BNA_F

ClientSampleId :

WC-6-Full Waste Class

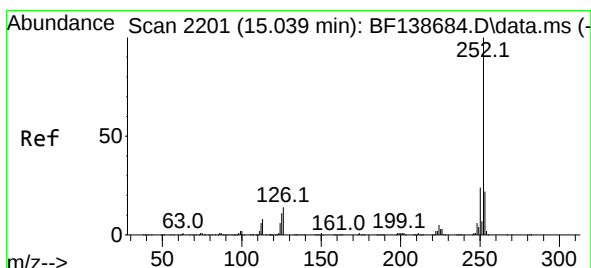
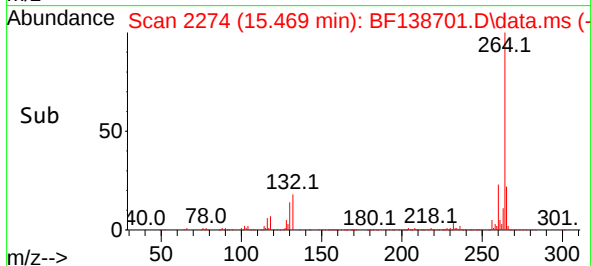
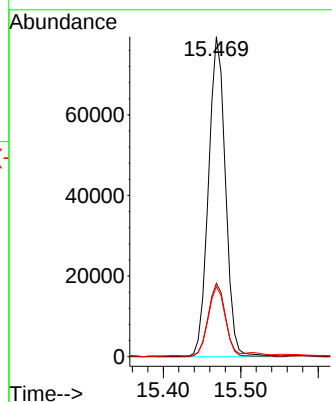
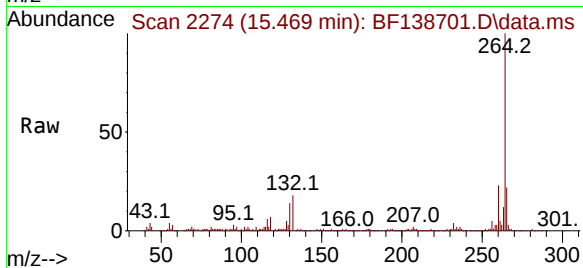
Tgt Ion:264 Resp: 121102

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 21.9 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 9.008 ng

RT: 15.045 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF138701.D

Acq: 31 Jul 2024 14:30

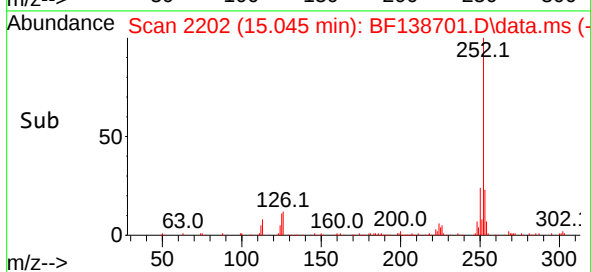
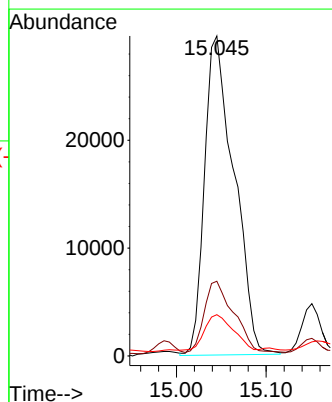
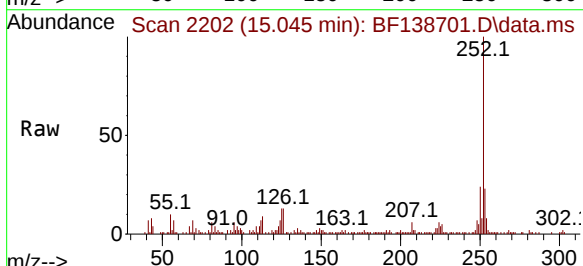
Tgt Ion:252 Resp: 67628

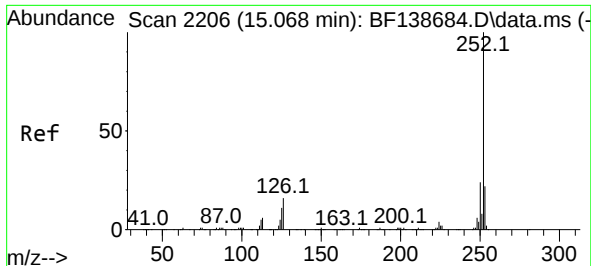
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 12.9 8.9 13.3

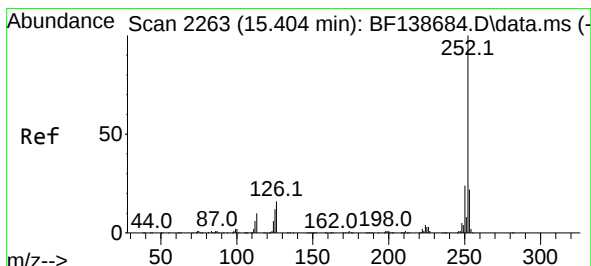
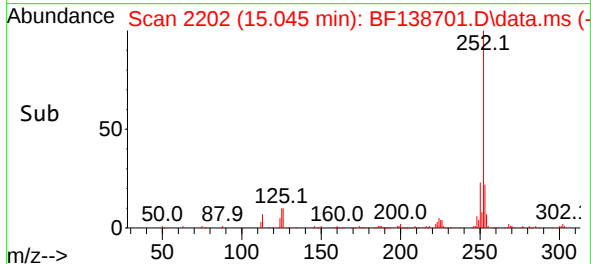
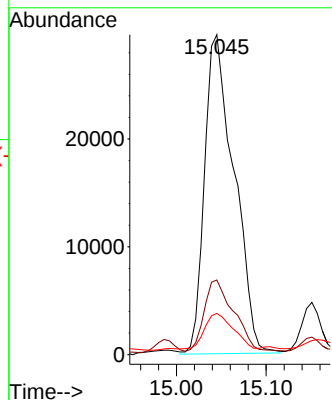
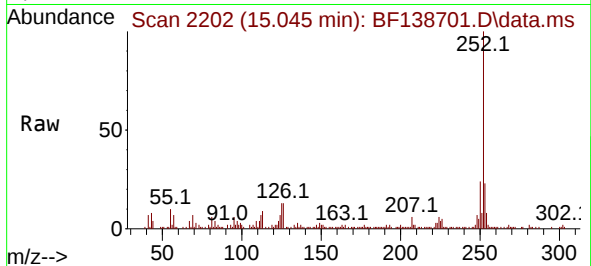




#89
Benzo(k)fluoranthene
Concen: 10.405 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

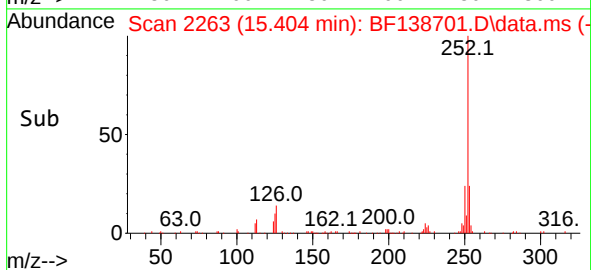
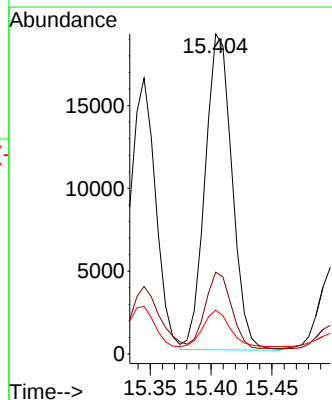
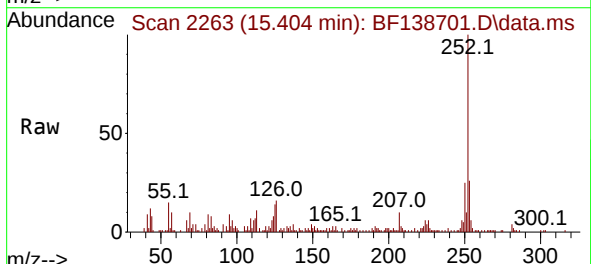
Instrument :
BNA_F
ClientSampleId :
WC-6-Full Waste Class

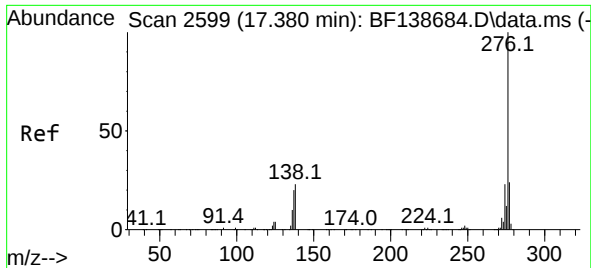
Tgt Ion:252 Resp: 67628
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 12.9 8.6 13.0



#90
Benzo(a)pyrene
Concen: 4.660 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138701.D
Acq: 31 Jul 2024 14:30

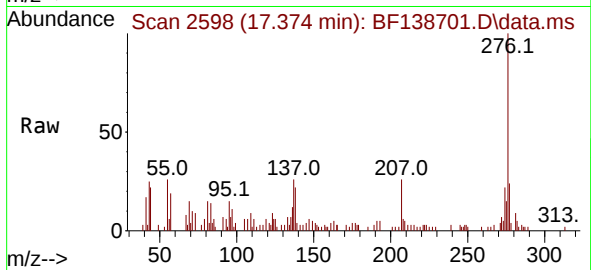
Tgt Ion:252 Resp: 29424
Ion Ratio Lower Upper
252 100
253 25.5 17.3 25.9
125 13.7 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 2.307 ng
 RT: 17.374 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF138701.D
 Acq: 31 Jul 2024 14:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-6-Full Waste Class



Tgt Ion:	276	Resp:	17057
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.4
138	22.2	18.5	27.7

