

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
 Data File : BF138703.D
 Acq On : 31 Jul 2024 15:30
 Operator : RC/JU
 Sample : P3387-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-Full Waste Class

Quant Time: Jul 31 15:59:13 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)

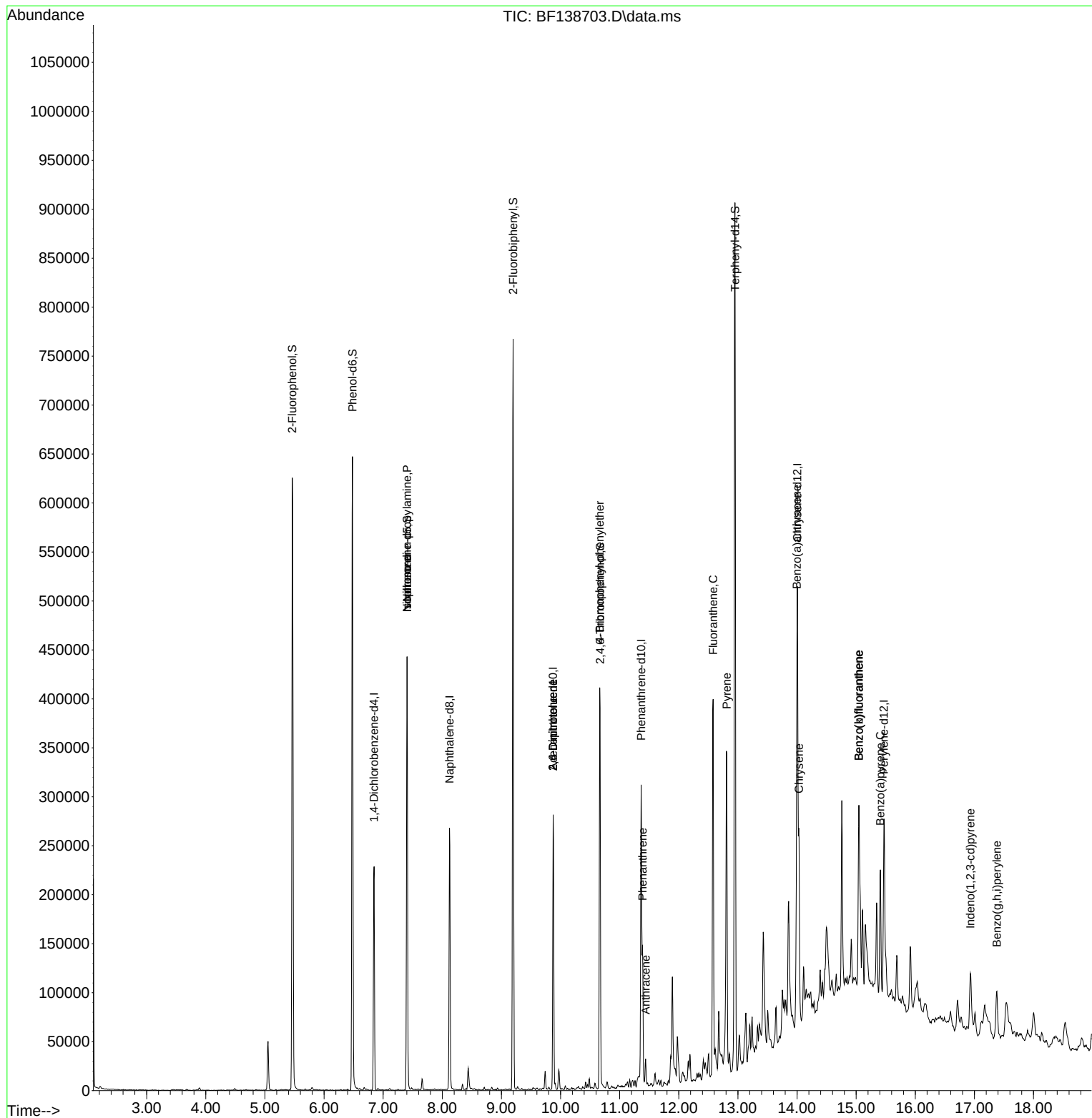
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	44556	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	158716	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	79114	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	148733	20.000	ng	0.00
76) Chrysene-d12	14.004	240	133422	20.000	ng	0.00
86) Perylene-d12	15.469	264	98514	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	216270	74.927	ng	0.00
7) Phenol-d6	6.481	99	281340	72.598	ng	0.00
23) Nitrobenzene-d5	7.404	82	181802	56.003	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	58688	90.561	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	314483	59.725	ng	0.00
79) Terphenyl-d14	12.951	244	427060	53.590	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	23825	10.179	ng	# 78
25) Isophorone	7.404	82	181800	32.797	ng	# 66
51) 2,6-Dinitrotoluene	9.875	165	10484	9.183	ng	# 21
57) 2,4-Dinitrotoluene	9.875	165	10484	7.198	ng	# 17
67) 4-Bromophenyl-phenylether	10.663	248	4165	2.586	ng	# 1
71) Phenanthrene	11.386	178	69943	9.133	ng	100
72) Anthracene	11.439	178	16171	2.143	ng	97
75) Fluoranthene	12.580	202	212081	29.663	ng	98
78) Pyrene	12.810	202	186656	14.859	ng	100
81) Benzo(a)anthracene	13.998	228	116958	12.730	ng	95
83) Chrysene	14.033	228	92666	11.179	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	39137	5.544	ng	# 94
88) Benzo(b)fluoranthene	15.045	252	154899	25.365	ng	99
89) Benzo(k)fluoranthene	15.045	252	154899	29.296	ng	98
90) Benzo(a)pyrene	15.410	252	69765	13.581	ng	99
92) Benzo(g,h,i)perylene	17.380	276	40184	6.682	ng	98

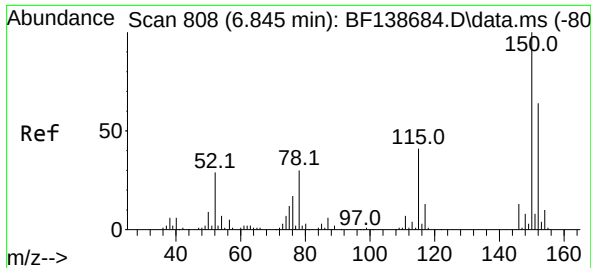
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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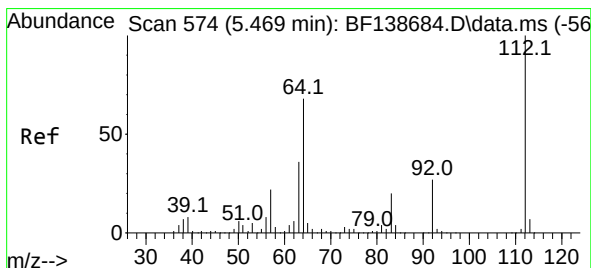
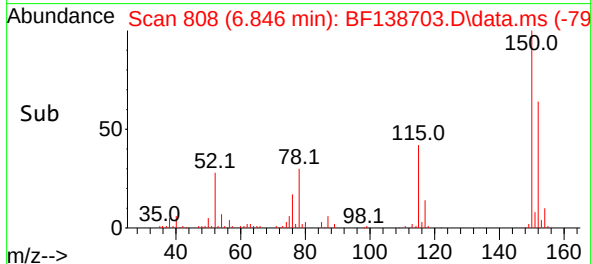
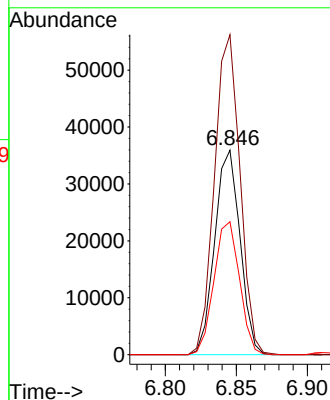
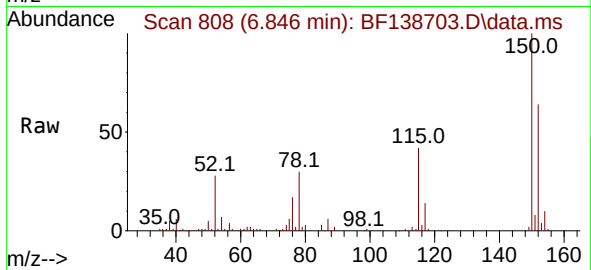




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

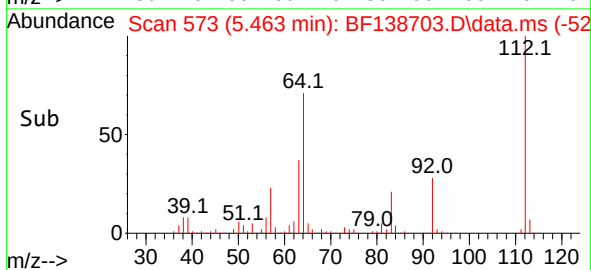
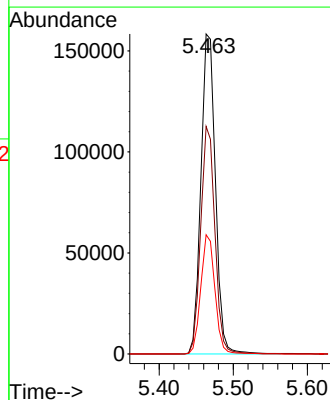
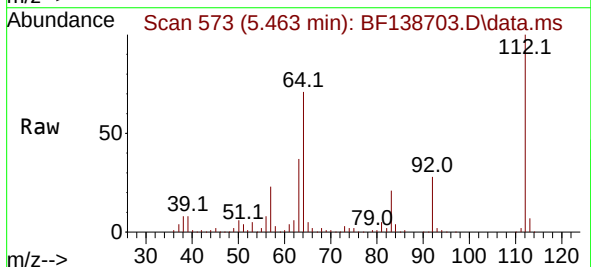
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

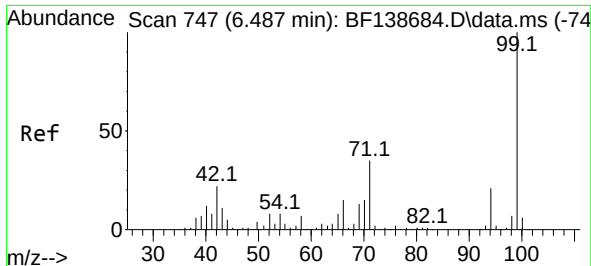
Tgt Ion:152 Resp: 44556
Ion Ratio Lower Upper
152 100
150 156.5 126.0 189.0
115 65.0 51.7 77.5



#5
2-Fluorophenol
Concen: 74.927 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:112 Resp: 216270
Ion Ratio Lower Upper
112 100
64 71.1 54.2 81.4
63 37.2 28.7 43.1

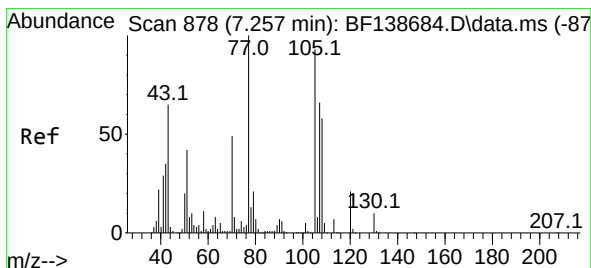
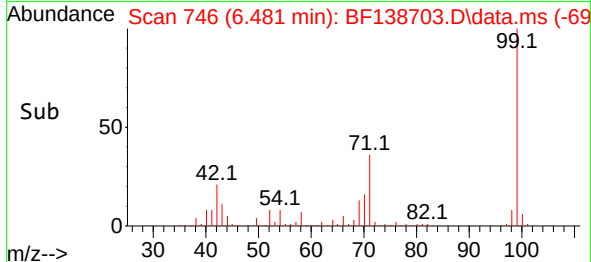
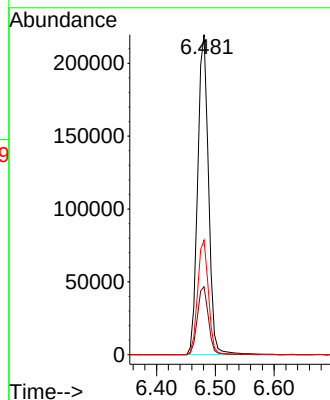
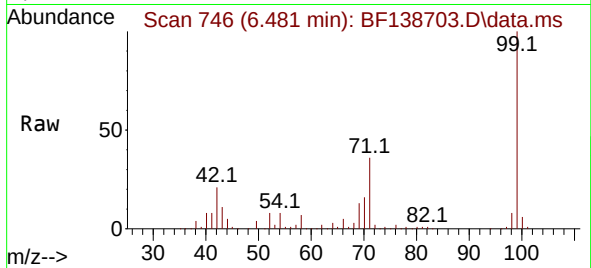




#7
Phenol-d6
Concen: 72.598 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

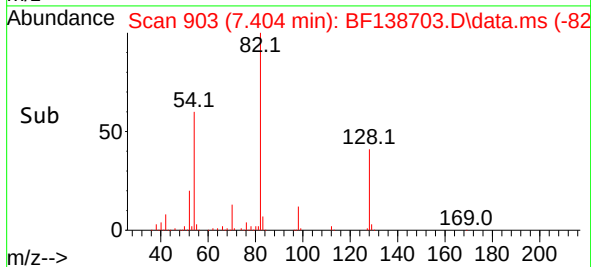
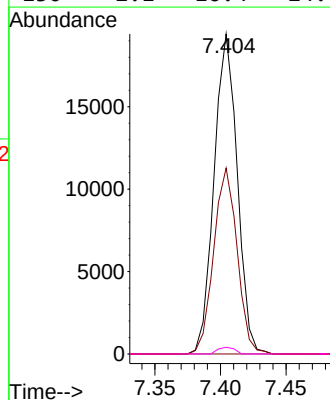
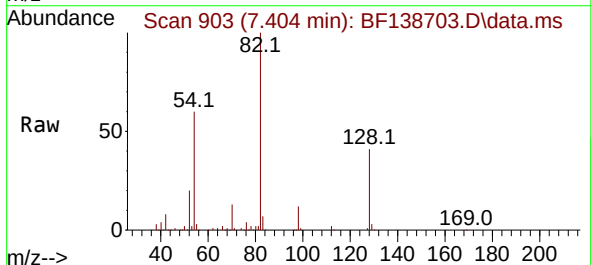
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

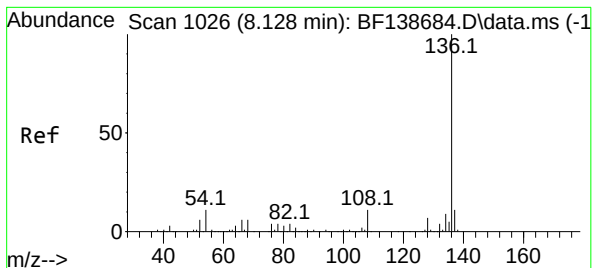
Tgt Ion: 99 Resp: 281340
Ion Ratio Lower Upper
99 100
42 21.3 17.4 26.0
71 35.8 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 10.179 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion: 70 Resp: 23825
Ion Ratio Lower Upper
70 100
42 58.1 57.4 86.0
101 0.0 7.5 11.3#
130 2.1 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: BF138703.D

Acq: 31 Jul 2024 15:30

Instrument :

BNA_F

ClientSampleId :

WC-9-Full Waste Class

Tgt Ion:136 Resp: 158716

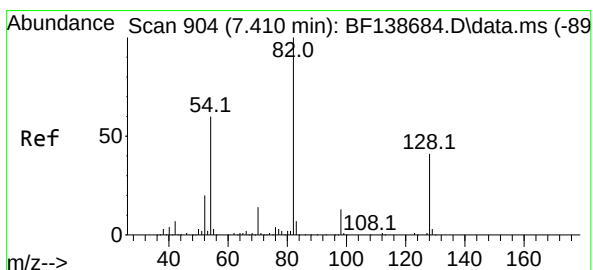
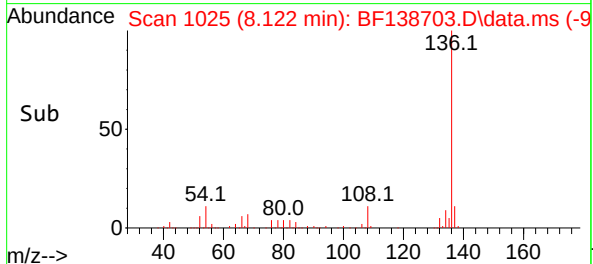
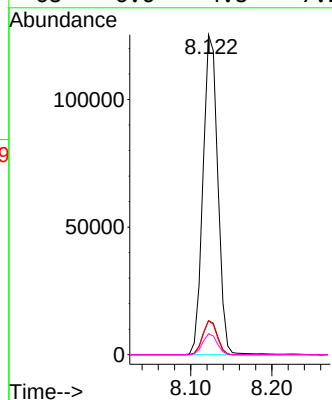
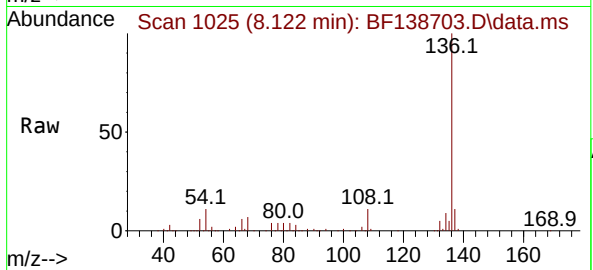
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 10.7 8.6 12.8

68 6.6 4.8 7.2



#23

Nitrobenzene-d5

Concen: 56.003 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

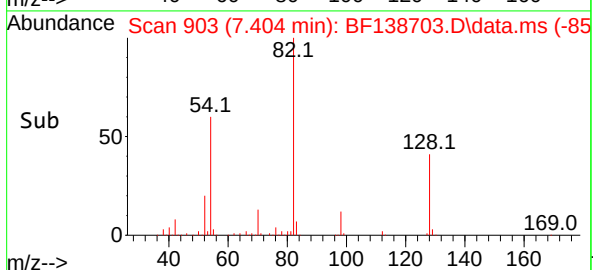
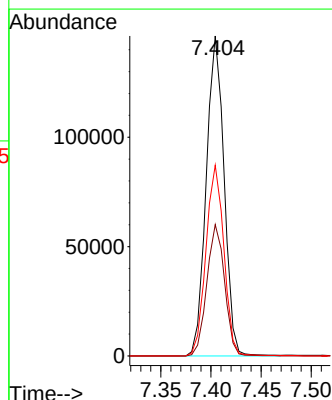
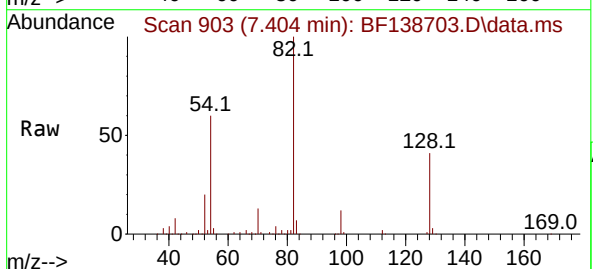
Tgt Ion: 82 Resp: 181802

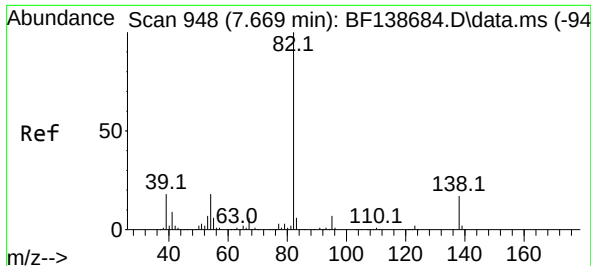
Ion Ratio Lower Upper

82 100

128 41.0 32.8 49.2

54 59.6 48.3 72.5

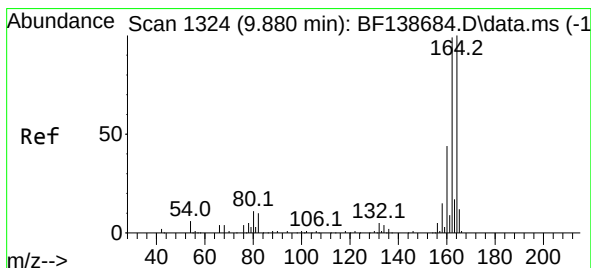
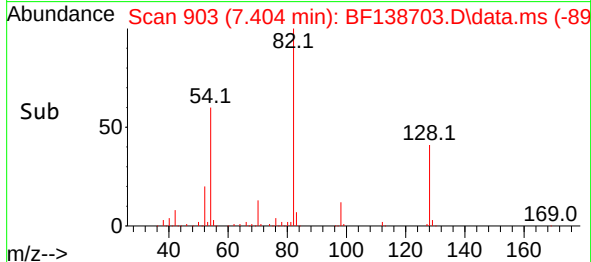
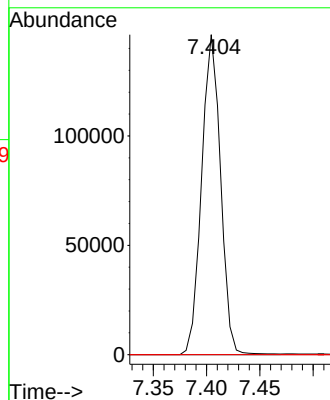
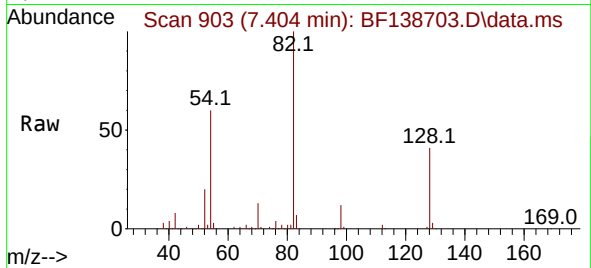




#25
Isophorone
Concen: 32.797 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

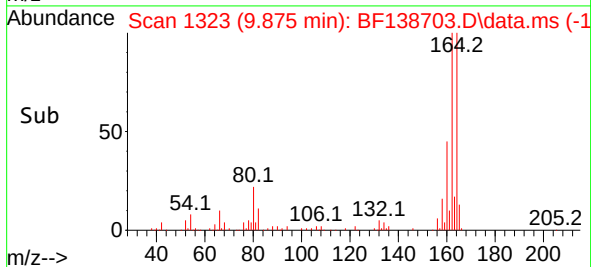
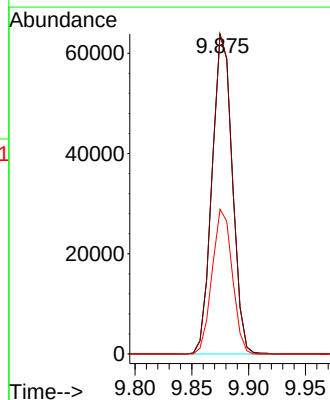
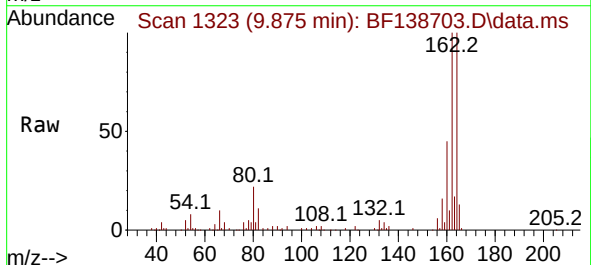
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

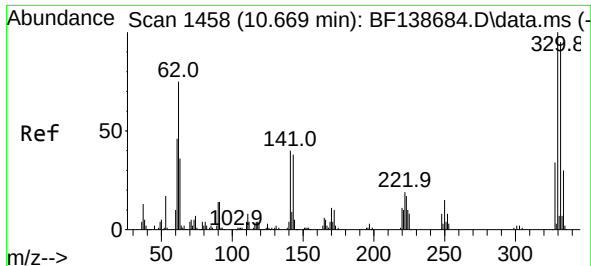
Tgt Ion: 82 Resp: 181800
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:164 Resp: 79114
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.0
160 45.3 35.1 52.7

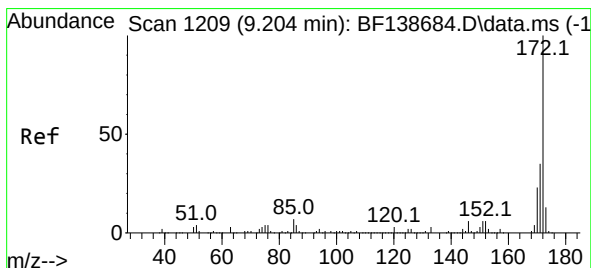
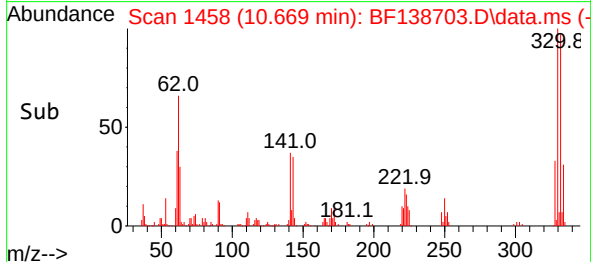
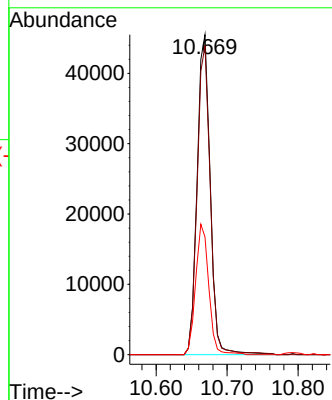
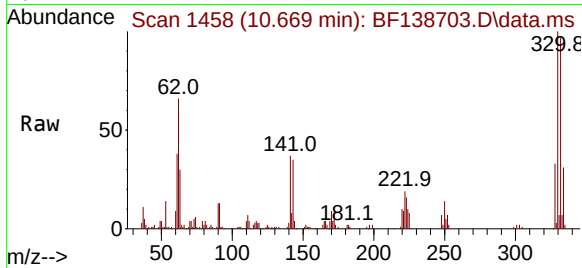




#42
2,4,6-Tribromophenol
Concen: 90.561 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

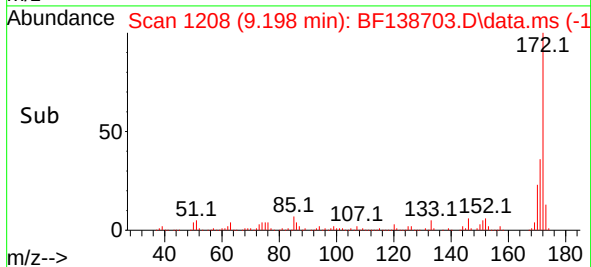
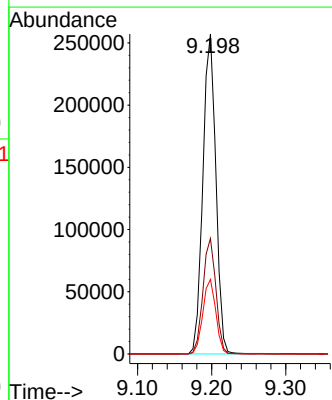
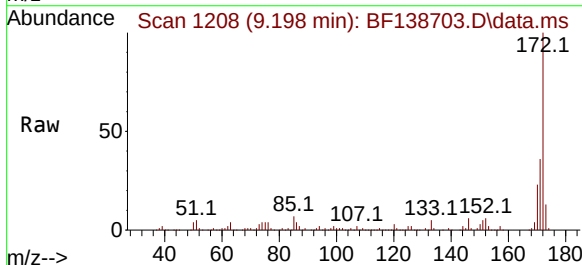
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

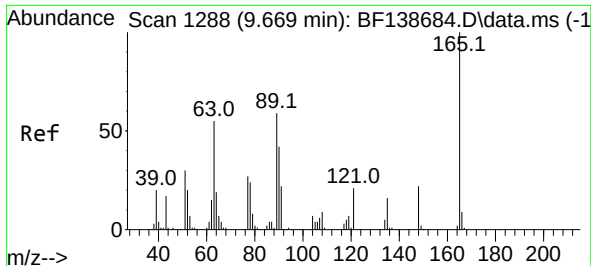
Tgt Ion:330 Resp: 58688
Ion Ratio Lower Upper
330 100
332 95.7 76.4 114.6
141 40.7 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 59.725 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:172 Resp: 314483
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.3 18.8 28.2

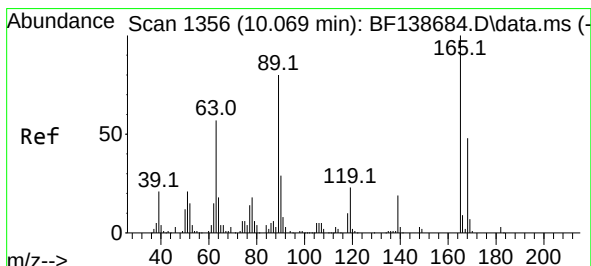
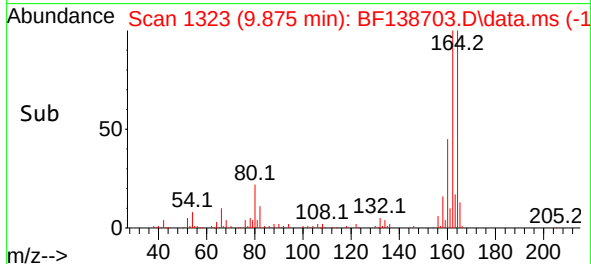
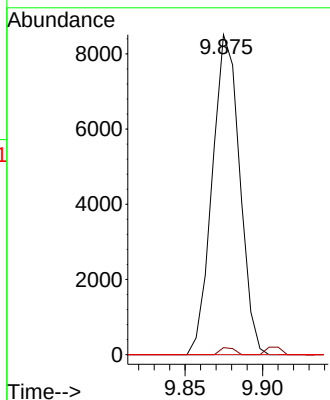
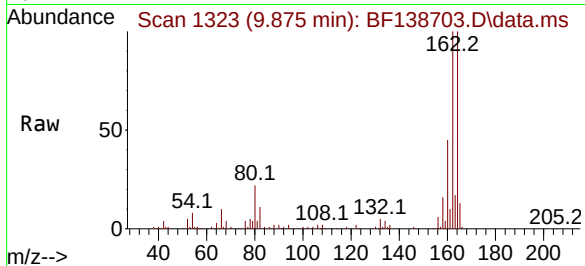




#51
2,6-Dinitrotoluene
Concen: 9.183 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

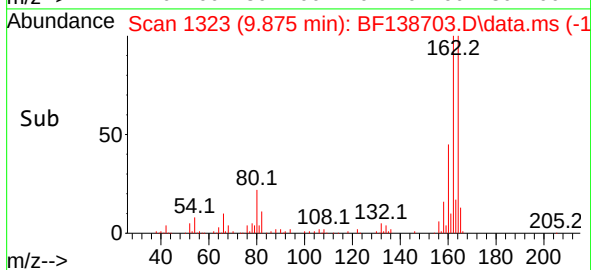
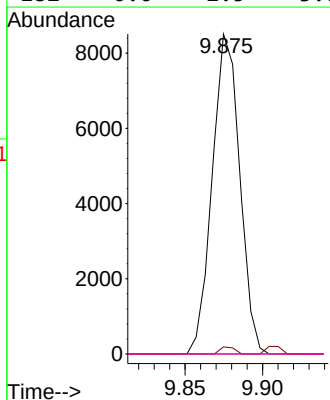
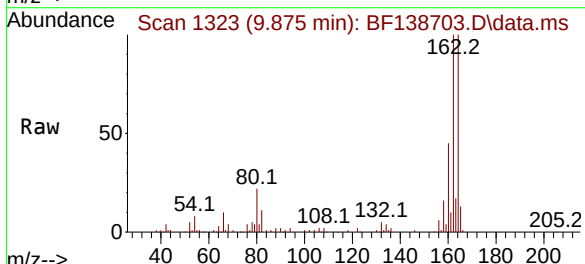
Instrument :
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ClientSampleId :
WC-9-Full Waste Class

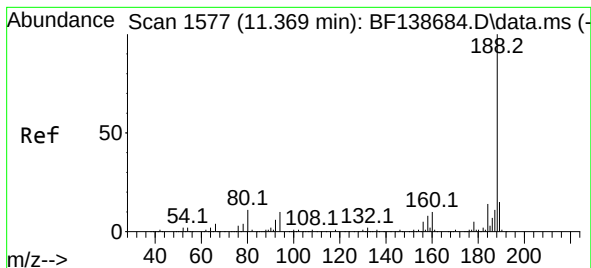
Tgt Ion:165 Resp: 10484
Ion Ratio Lower Upper
165 100
63 2.2 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.198 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:165 Resp: 10484
Ion Ratio Lower Upper
165 100
63 2.2 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: BF138703.D

Acq: 31 Jul 2024 15:30

Instrument :

BNA_F

ClientSampleId :

WC-9-Full Waste Class

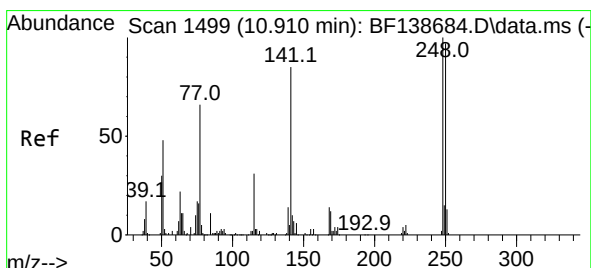
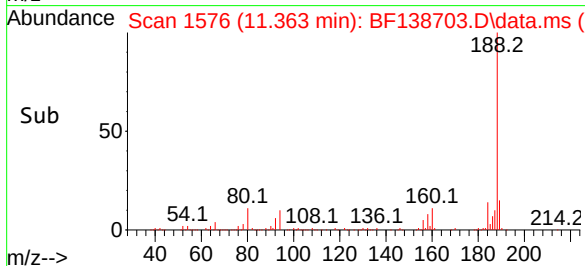
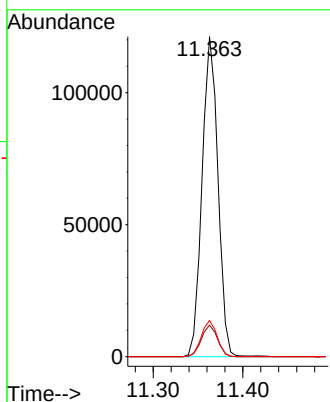
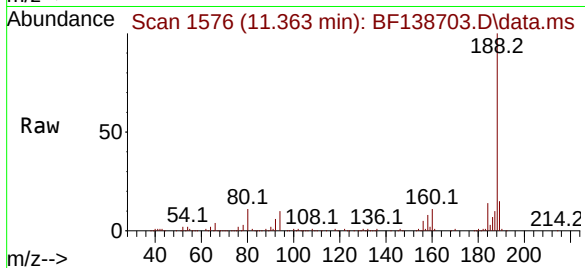
Tgt Ion:188 Resp: 148733

Ion Ratio Lower Upper

188 100

94 9.8 7.6 11.4

80 11.3 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.586 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

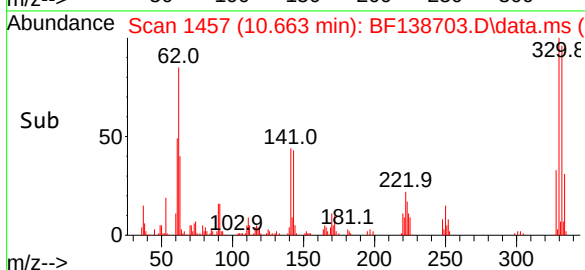
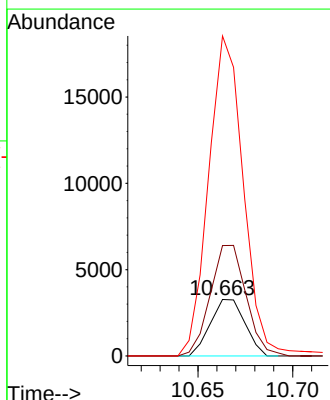
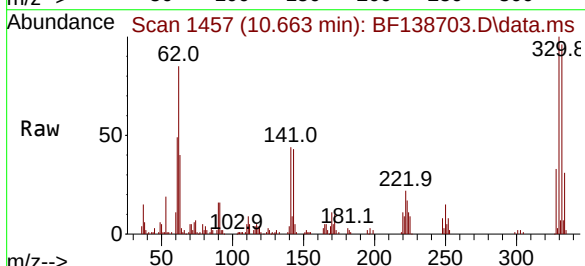
Tgt Ion:248 Resp: 4165

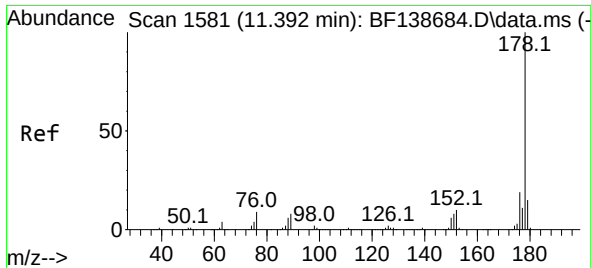
Ion Ratio Lower Upper

248 100

250 195.5 77.7 116.5#

141 566.7 68.0 102.0#

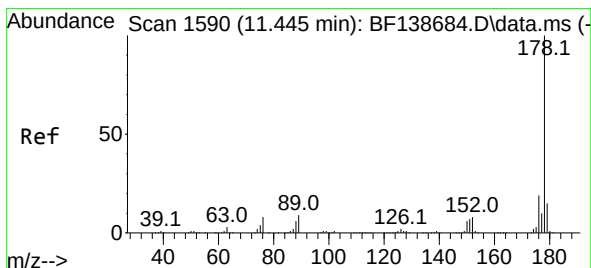
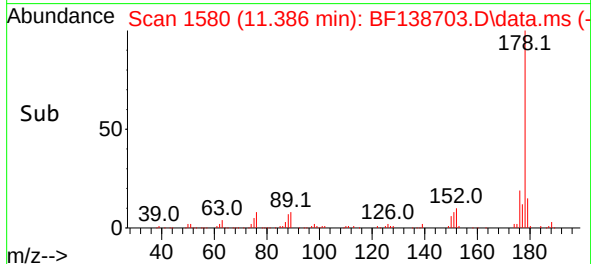
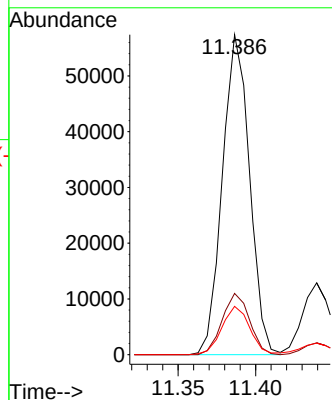
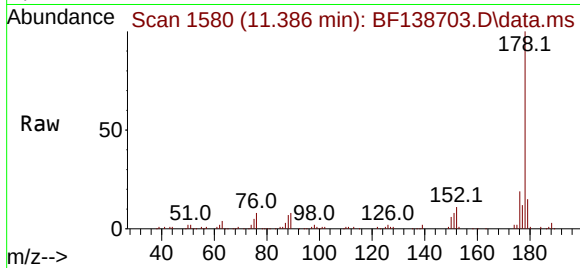




#71
Phenanthrene
Concen: 9.133 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

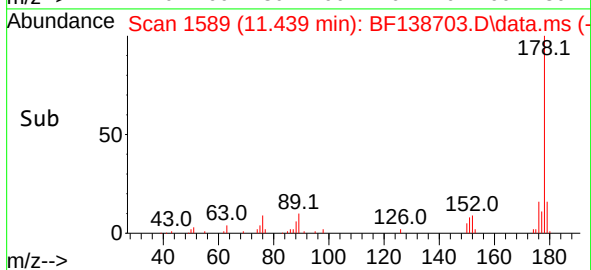
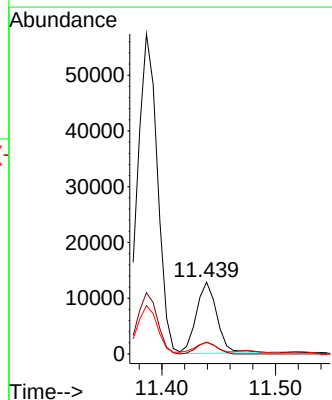
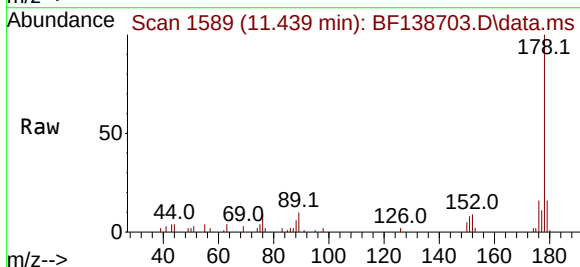
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

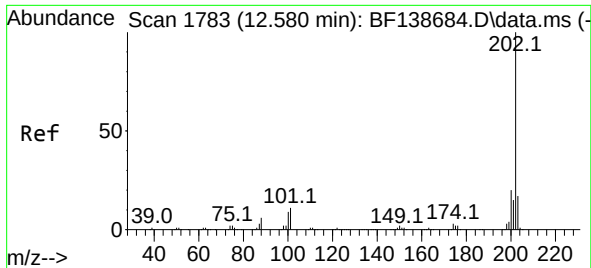
Tgt Ion:178 Resp: 69943
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.1 12.2 18.2



#72
Anthracene
Concen: 2.143 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:178 Resp: 16171
Ion Ratio Lower Upper
178 100
176 16.5 14.9 22.3
179 16.0 12.4 18.6

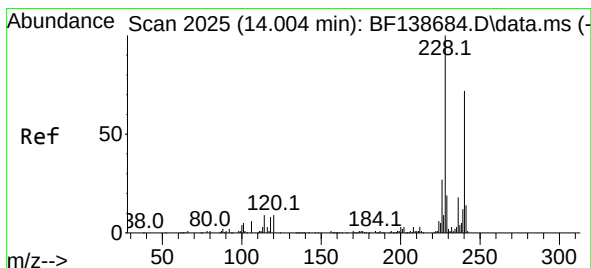
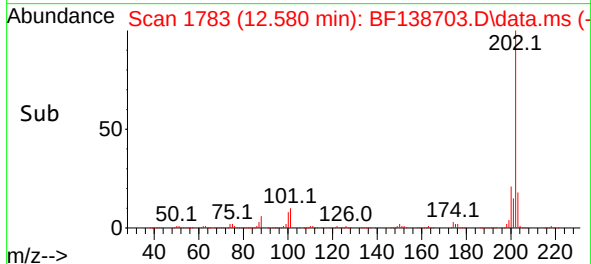
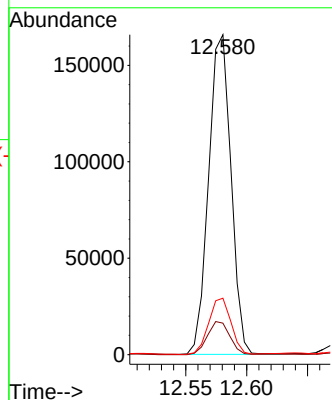
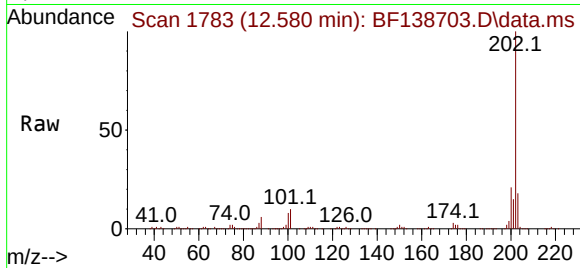




#75
Fluoranthene
Concen: 29.663 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

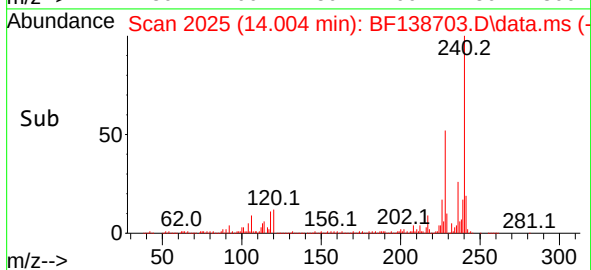
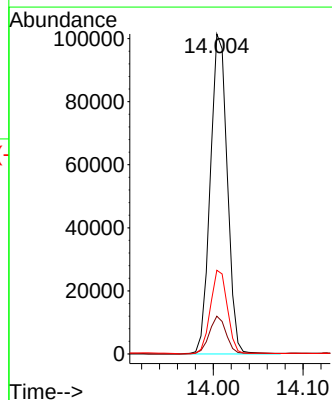
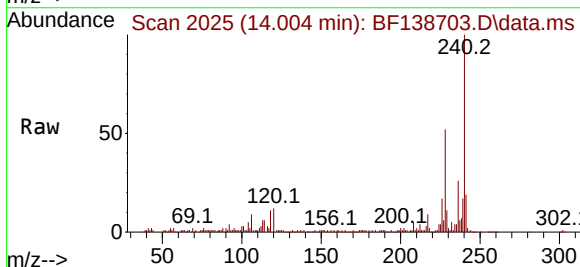
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

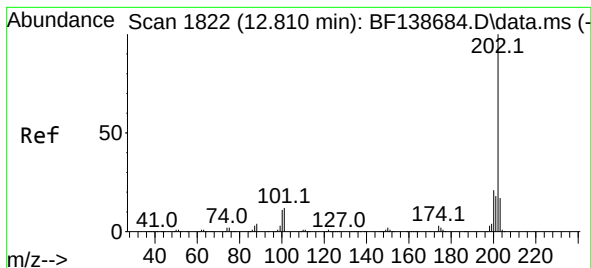
Tgt Ion:202 Resp: 212081
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.2
203 17.6 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:240 Resp: 133422
Ion Ratio Lower Upper
240 100
120 11.8 10.2 15.4
236 26.2 19.8 29.8





#78

Pyrene

Concen: 14.859 ng

RT: 12.810 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Instrument :

BNA_F

ClientSampleId :

WC-9-Full Waste Class

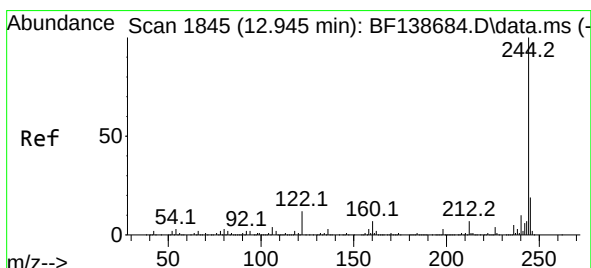
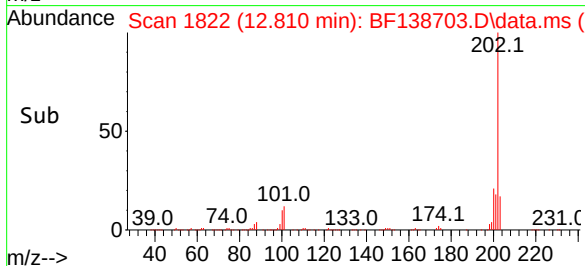
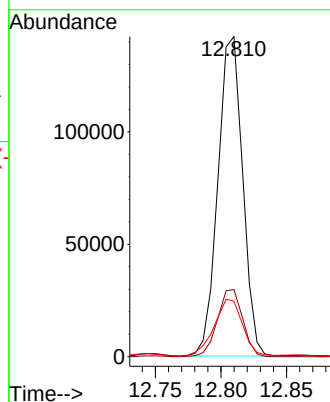
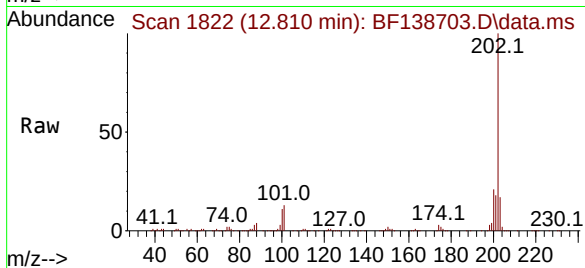
Tgt Ion:202 Resp: 186656

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.4 13.8 20.6



#79

Terphenyl-d14

Concen: 53.590 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

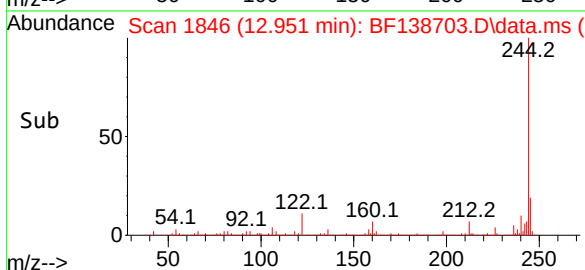
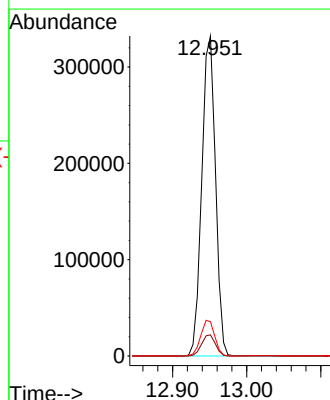
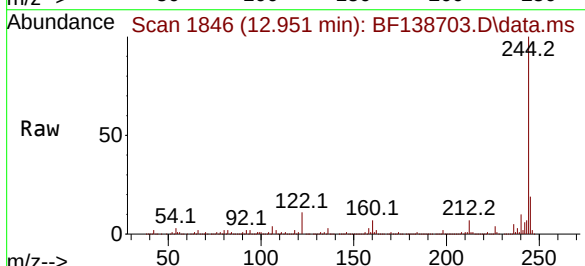
Tgt Ion:244 Resp: 427060

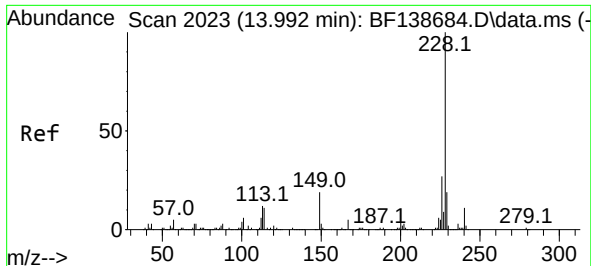
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.7 9.6 14.4

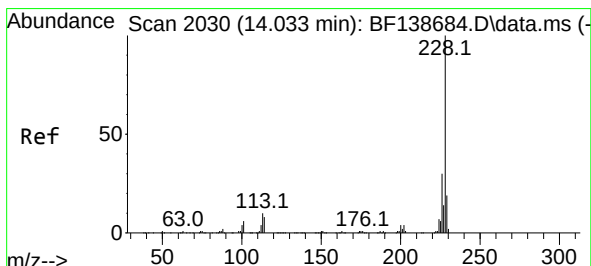
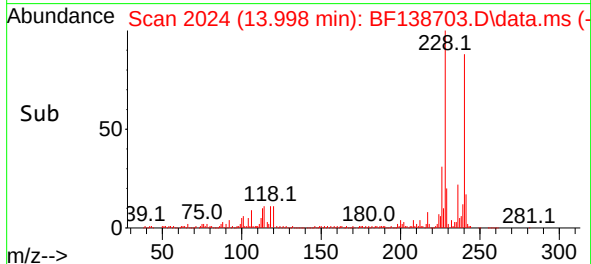
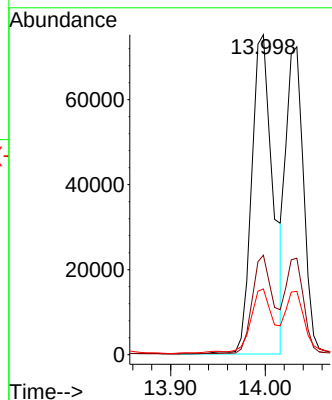
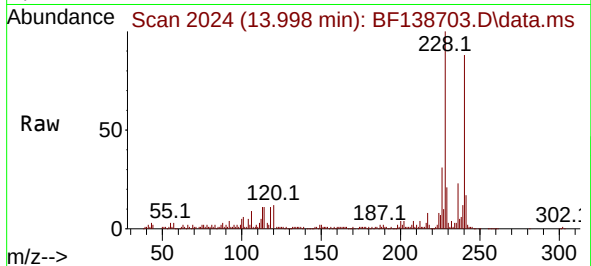




#81
Benzo(a)anthracene
Concen: 12.730 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

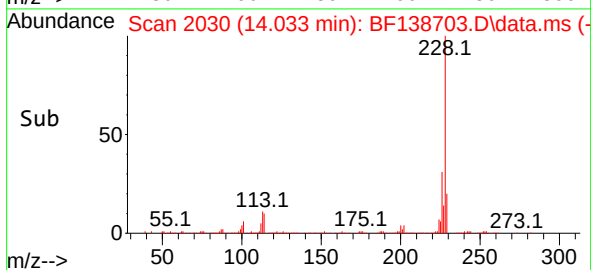
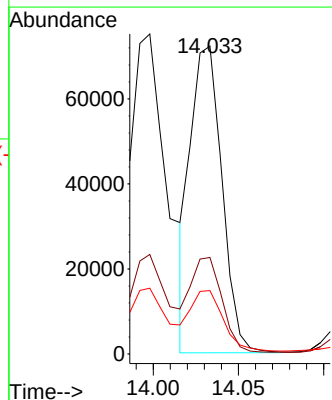
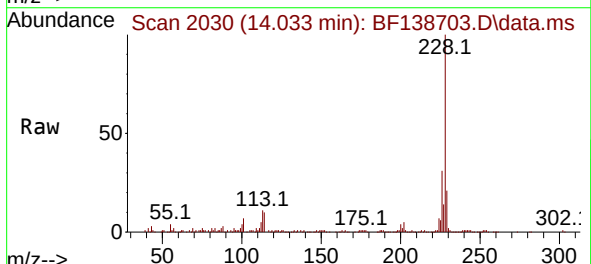
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

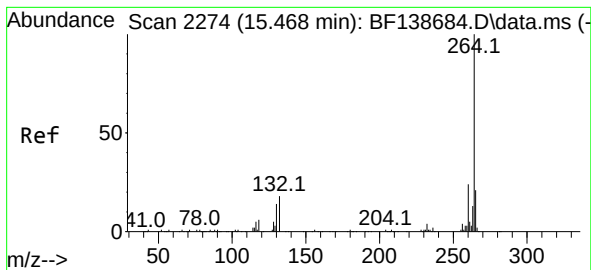
Tgt Ion:228 Resp: 116958
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 20.5 15.4 23.0



#83
Chrysene
Concen: 11.179 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:228 Resp: 92666
Ion Ratio Lower Upper
228 100
226 31.4 23.7 35.5
229 20.6 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.469 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Instrument :

BNA_F

ClientSampleId :

WC-9-Full Waste Class

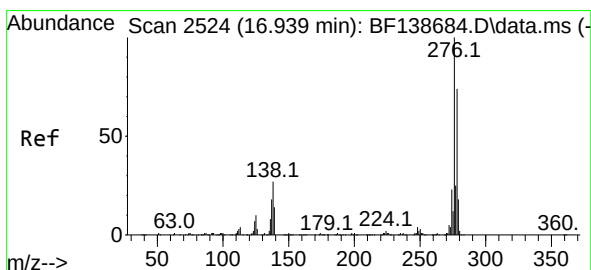
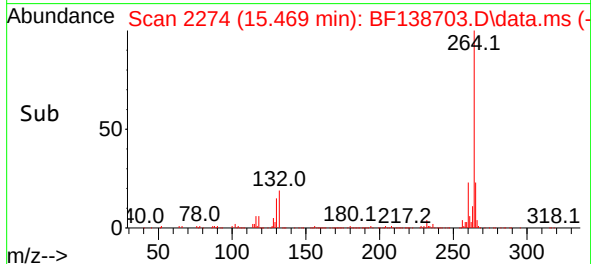
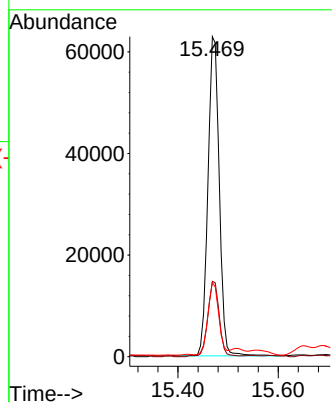
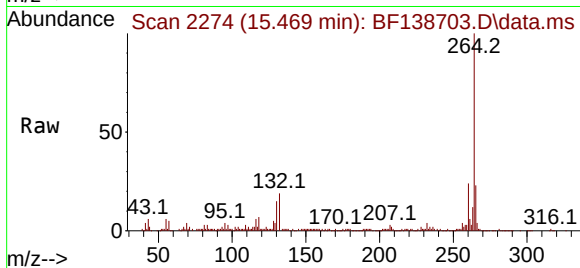
Tgt Ion:264 Resp: 98514

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 23.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.544 ng

RT: 16.933 min Scan# 2523

Delta R.T. -0.006 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

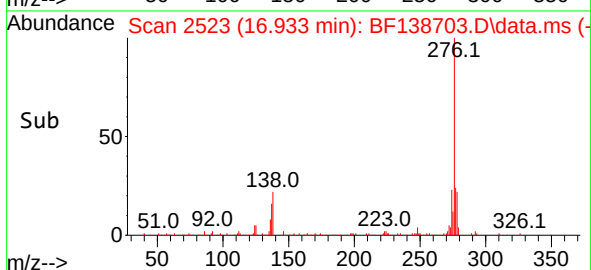
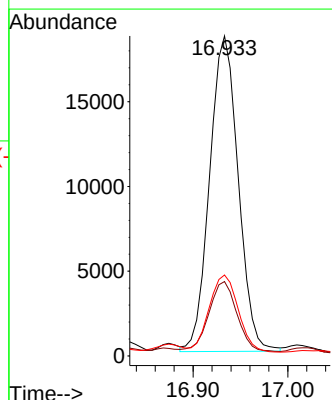
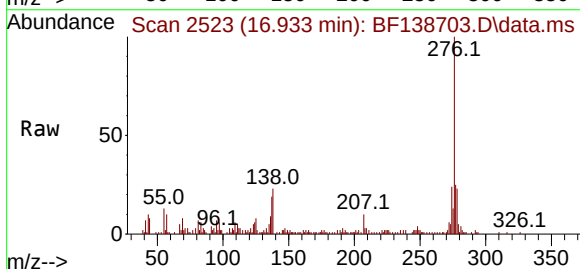
Tgt Ion:276 Resp: 39137

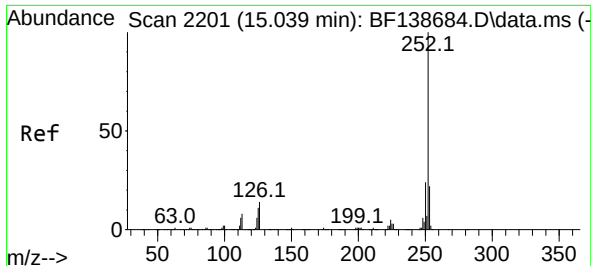
Ion Ratio Lower Upper

276 100

138 21.7 21.8 32.8#

277 24.8 20.6 30.8

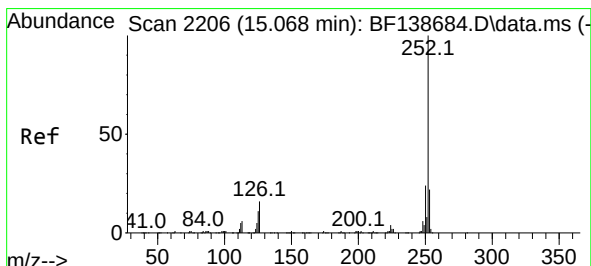
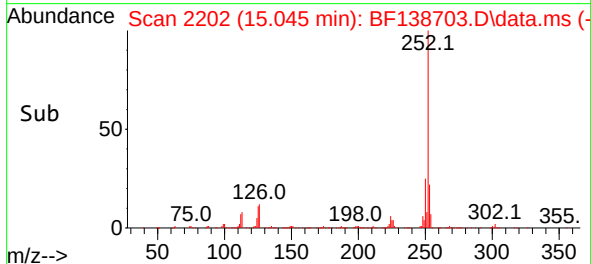
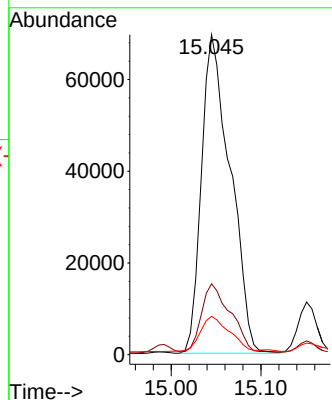
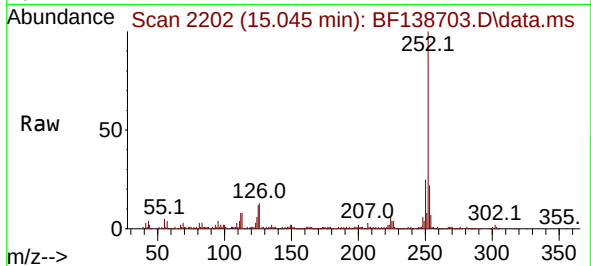




#88
Benzo(b)fluoranthene
Concen: 25.365 ng
RT: 15.045 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

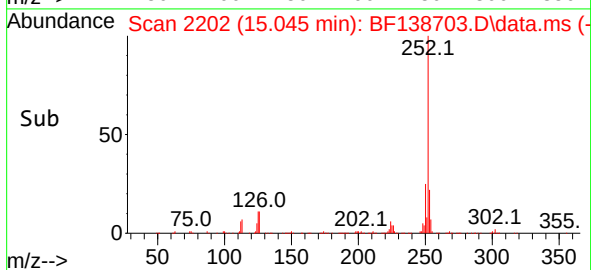
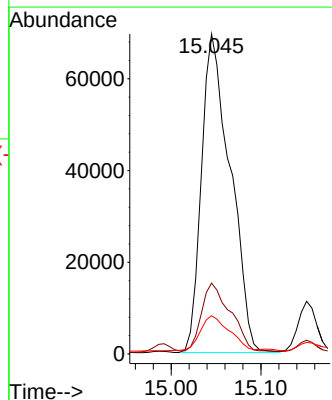
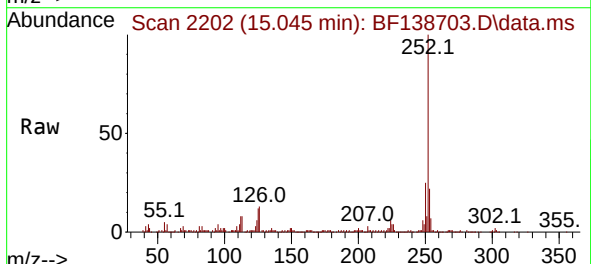
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

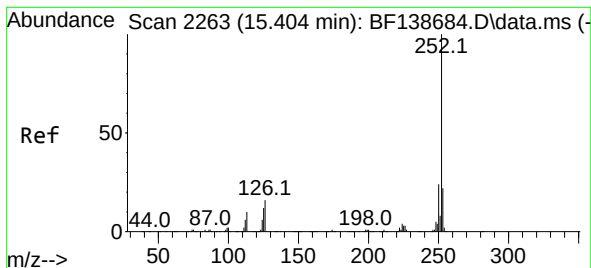
Tgt Ion:252 Resp: 154899
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 12.0 8.9 13.3



#89
Benzo(k)fluoranthene
Concen: 29.296 ng
RT: 15.045 min Scan# 2202
Delta R.T. -0.023 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:252 Resp: 154899
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 12.0 8.6 13.0





#90

Benzo(a)pyrene

Concen: 13.581 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Instrument :

BNA_F

ClientSampleId :

WC-9-Full Waste Class

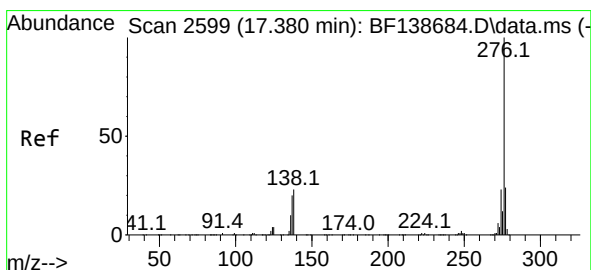
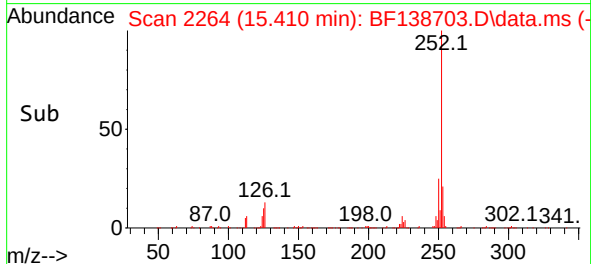
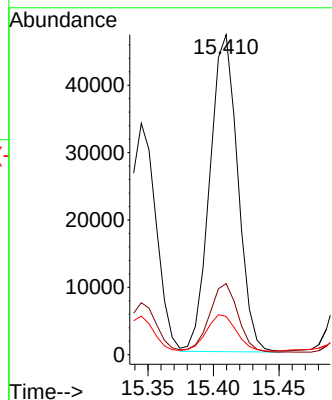
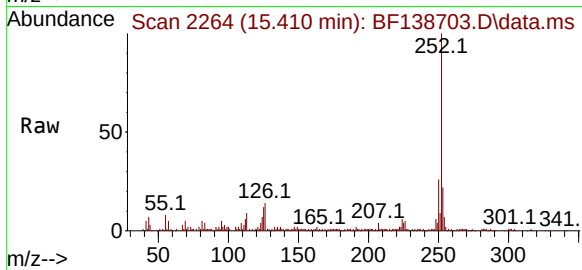
Tgt Ion:252 Resp: 69765

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 12.0 9.5 14.3



#92

Benzo(g,h,i)perylene

Concen: 6.682 ng

RT: 17.380 min Scan# 2599

Delta R.T. 0.000 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Tgt Ion:276 Resp: 40184

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.4

138 24.5 18.5 27.7

