

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138553.D
 Acq On : 12 Jul 2024 18:36
 Operator : CG\JU
 Sample : P3186-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Jul 12 23:13:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

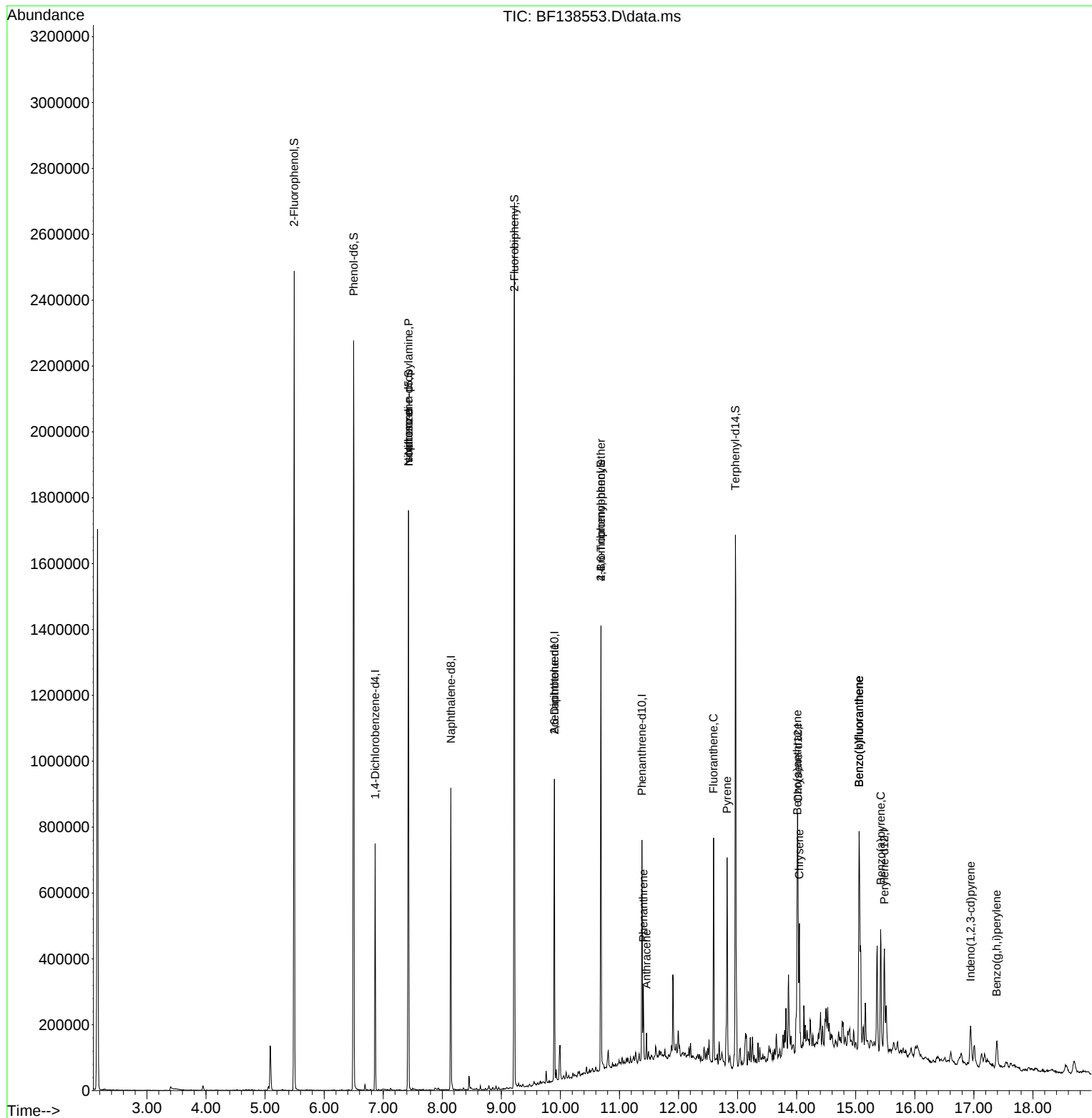
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	88399	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	339793	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	172145	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	219057	20.000	ng	0.00
76) Chrysene-d12	14.021	240	168713	20.000	ng	0.00
86) Perylene-d12	15.486	264	137046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	567927	101.750	ng	0.00
7) Phenol-d6	6.498	99	753670	101.502	ng	0.00
23) Nitrobenzene-d5	7.428	82	488861	70.637	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	136707	84.971	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	798528	72.498	ng	0.00
79) Terphenyl-d14	12.963	244	535445	51.703	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	64370	14.030	ng	# 75
25) Isophorone	7.428	82	488856	41.132	ng	# 67
51) 2,6-Dinitrotoluene	9.898	165	22796	8.895	ng	# 24
67) 4-Bromophenyl-phenylether	10.686	248	9433	4.190	ng	# 1
71) Phenanthrene	11.404	178	66682	6.025	ng	98
72) Anthracene	11.457	178	28447	2.589	ng	99
75) Fluoranthene	12.592	202	241728	21.406	ng	97
78) Pyrene	12.822	202	246238	14.377	ng	99
81) Benzo(a)anthracene	14.010	228	153573	13.566	ng	92
83) Chrysene	14.045	228	170074	15.881	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	78830	8.563	ng	95
88) Benzo(b)fluoranthene	15.057	252	460765	59.700	ng	99
89) Benzo(k)fluoranthene	15.057	252	460765	61.212	ng	99
90) Benzo(a)pyrene	15.421	252	167856	24.758	ng	99
92) Benzo(g,h,i)perylene	17.386	276	65513	8.205	ng	97

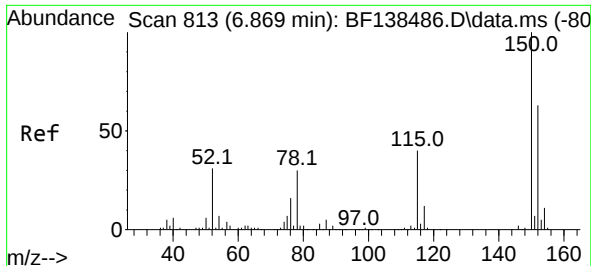
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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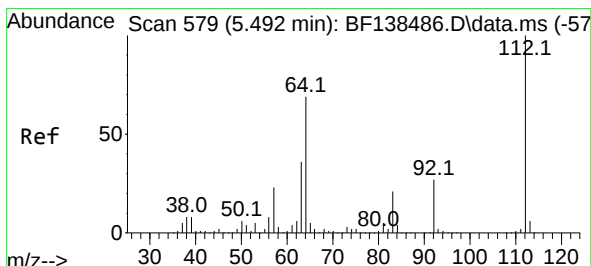
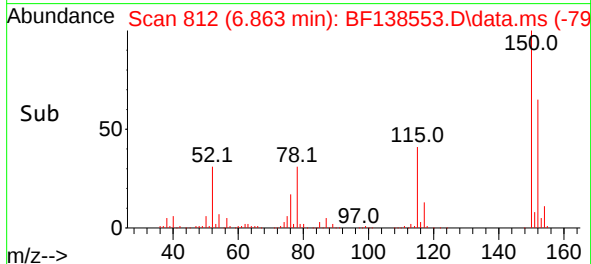
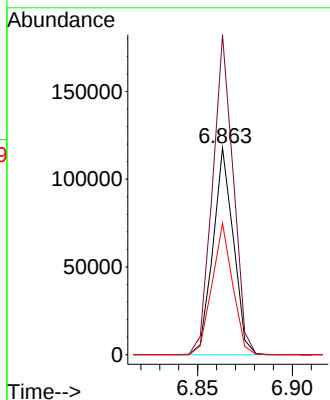
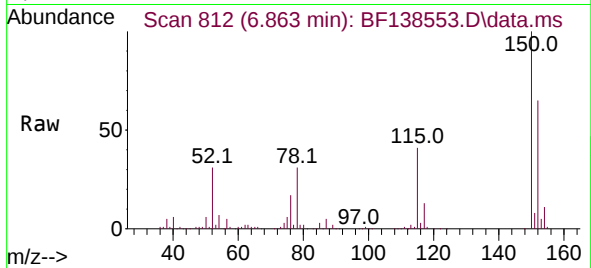




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

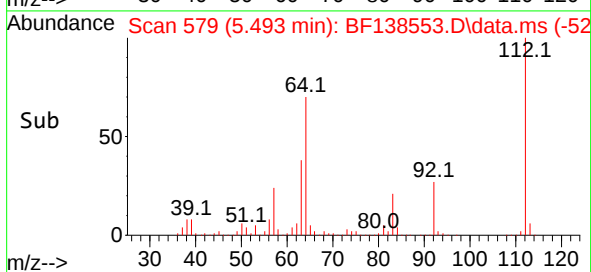
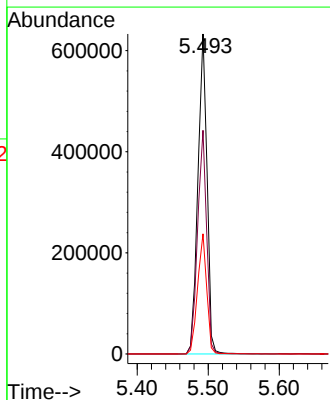
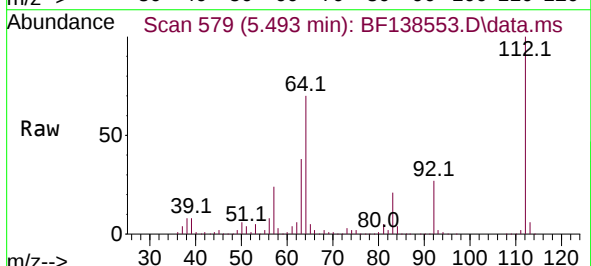
Instrument :
BNA_F
ClientSampleId :
WC-4

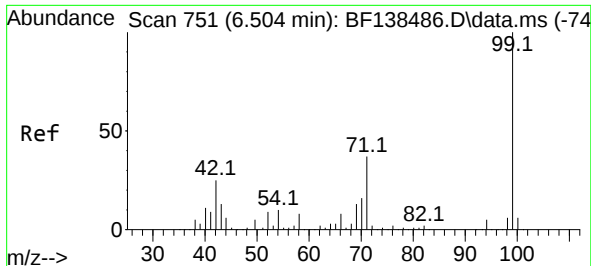
Tgt Ion:152 Resp: 88399
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.4
115 63.5 50.3 75.5



#5
2-Fluorophenol
Concen: 101.750 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:112 Resp: 567927
Ion Ratio Lower Upper
112 100
64 69.9 55.1 82.7
63 37.5 29.0 43.6

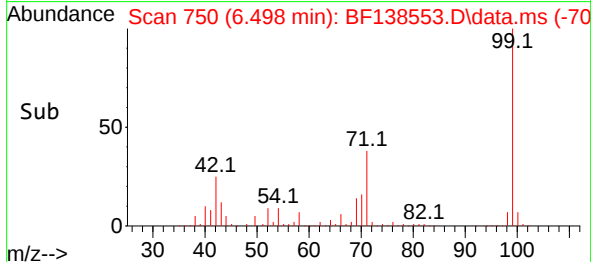
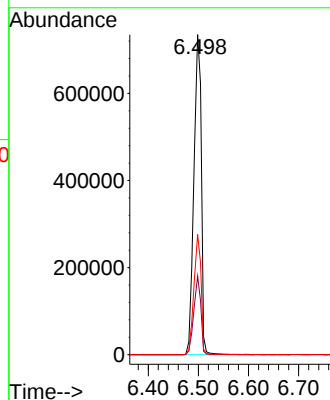
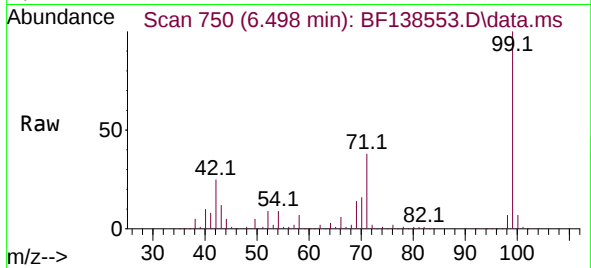




#7
Phenol-d6
Concen: 101.502 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

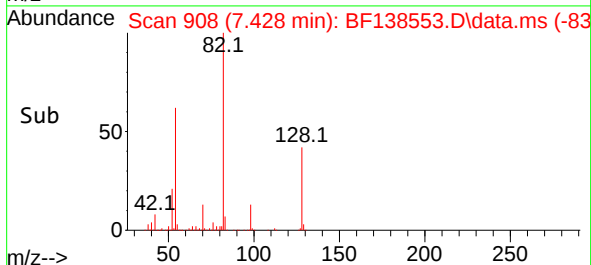
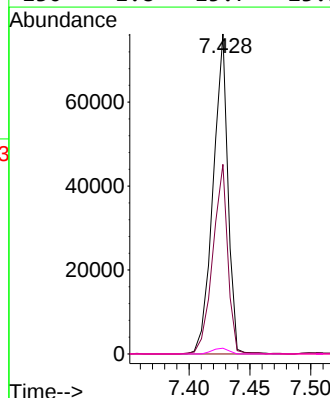
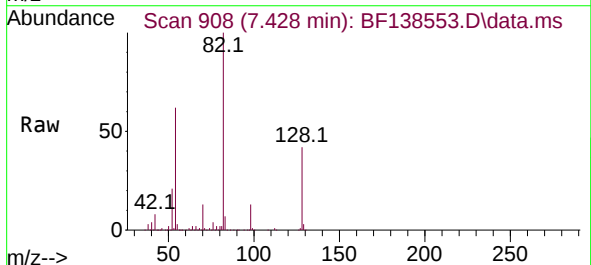
Instrument :
BNA_F
ClientSampleId :
WC-4

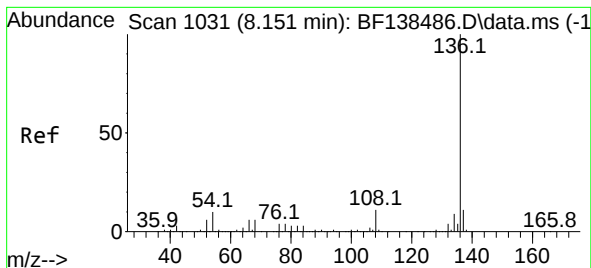
Tgt Ion: 99 Resp: 753670
Ion Ratio Lower Upper
99 100
42 24.6 19.7 29.5
71 37.6 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.030 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion: 70 Resp: 64370
Ion Ratio Lower Upper
70 100
42 59.2 62.4 93.6#
101 0.0 7.2 10.8#
130 1.8 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

Tgt Ion:136 Resp: 339793

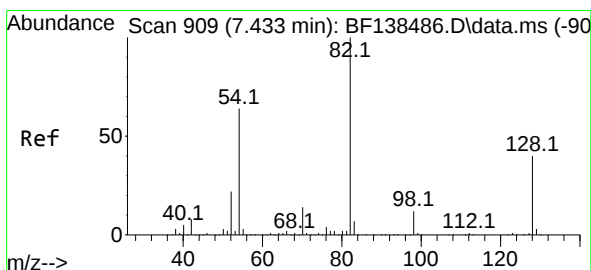
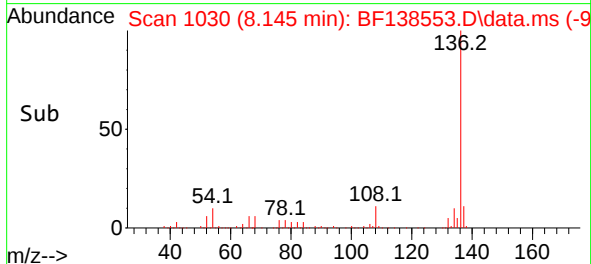
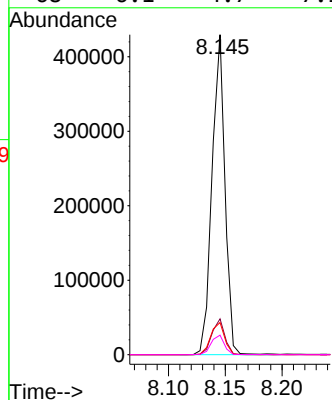
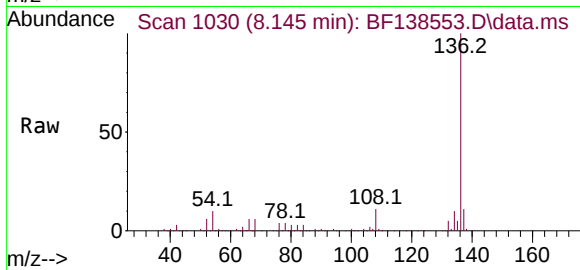
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.1 8.1 12.1

68 6.1 4.7 7.1



#23

Nitrobenzene-d5

Concen: 70.637 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

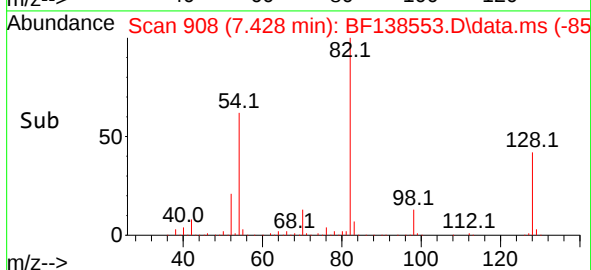
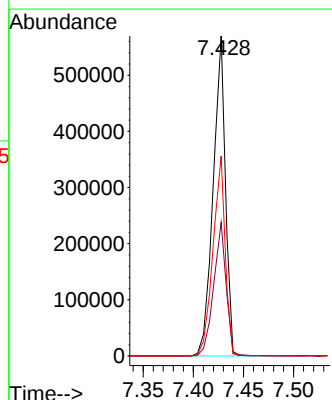
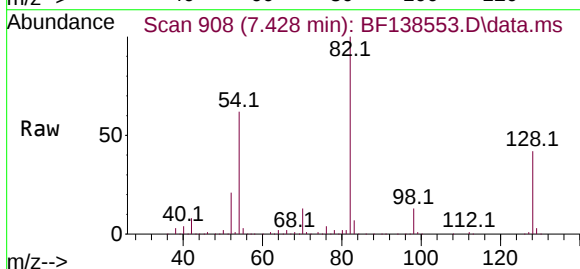
Tgt Ion: 82 Resp: 488861

Ion Ratio Lower Upper

82 100

128 41.8 32.3 48.5

54 62.5 51.4 77.0

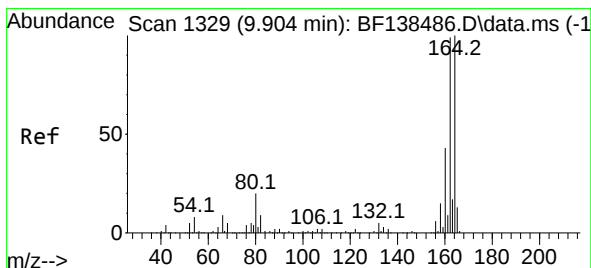
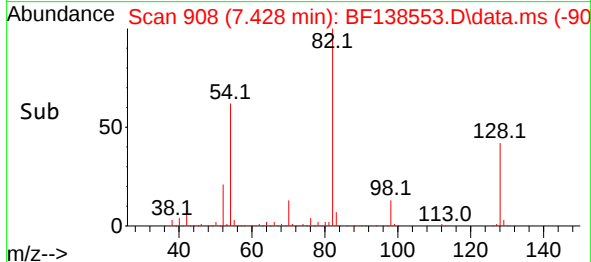
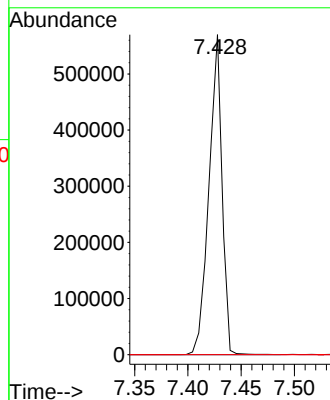
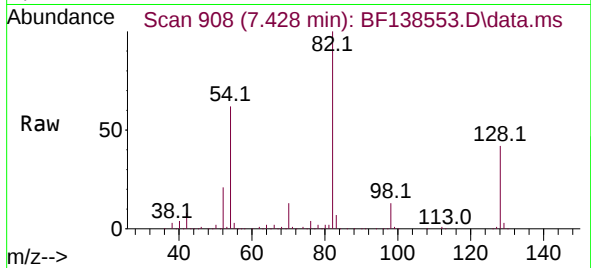




#25
Isophorone
Concen: 41.132 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

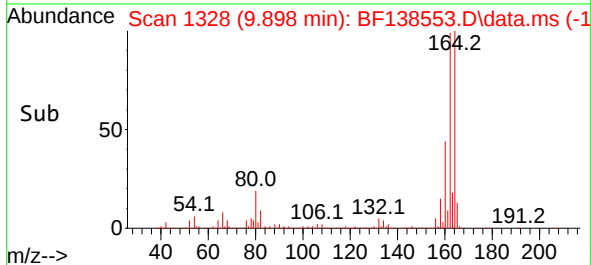
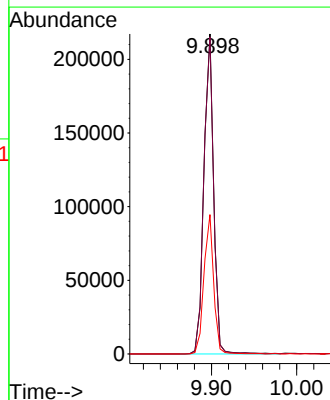
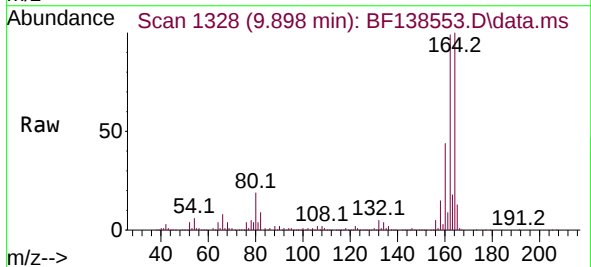
Instrument :
BNA_F
ClientSampleId :
WC-4

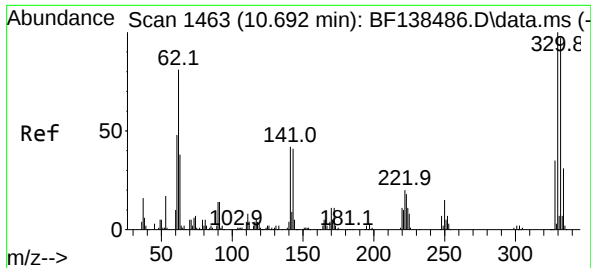
Tgt Ion: 82 Resp: 488856
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

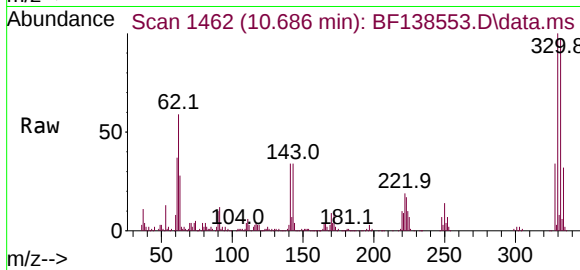
Tgt Ion:164 Resp: 172145
Ion Ratio Lower Upper
164 100
162 99.1 79.0 118.6
160 43.6 34.4 51.6



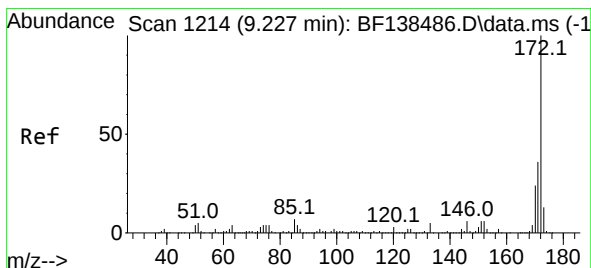
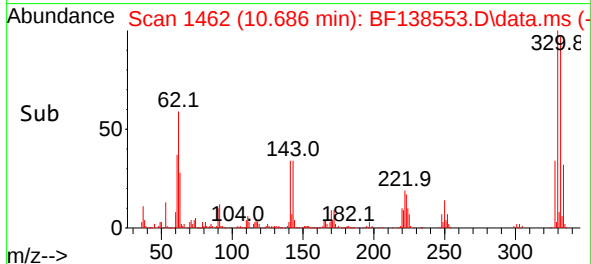
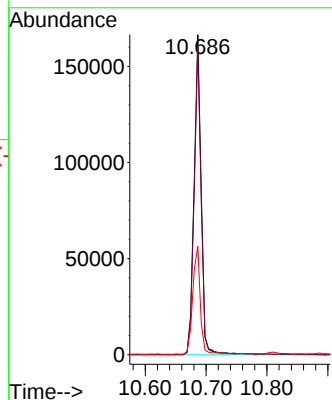


#42
2,4,6-Tribromophenol
Concen: 84.971 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Instrument :
BNA_F
ClientSampleId :
WC-4

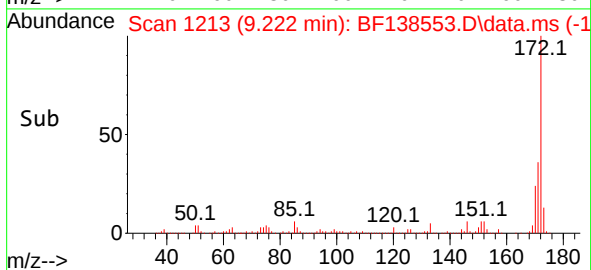
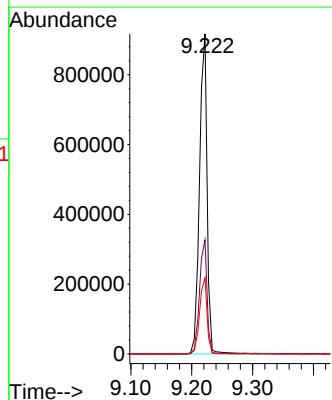
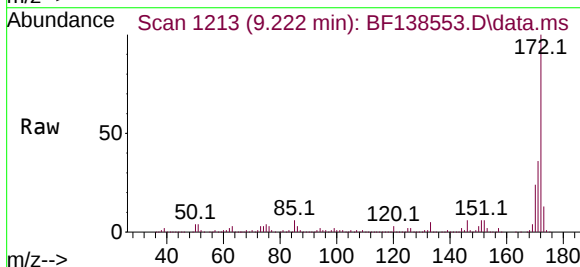


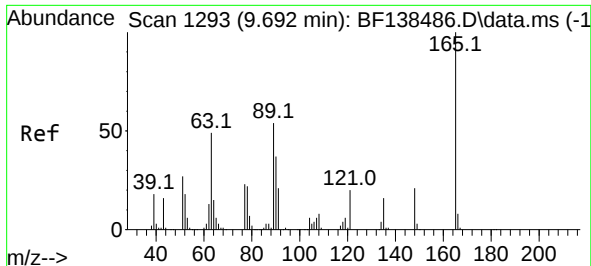
Tgt Ion: 330 Resp: 136707
Ion Ratio Lower Upper
330 100
332 93.7 76.8 115.2
141 35.7 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 72.498 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion: 172 Resp: 798528
Ion Ratio Lower Upper
172 100
171 35.7 28.9 43.3
170 23.8 18.9 28.3

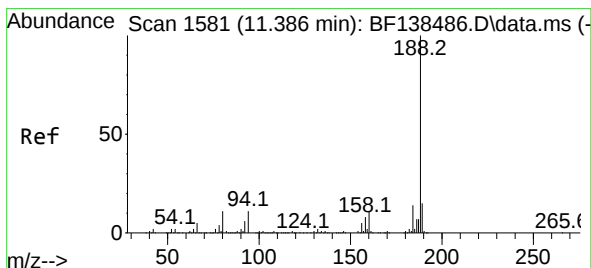
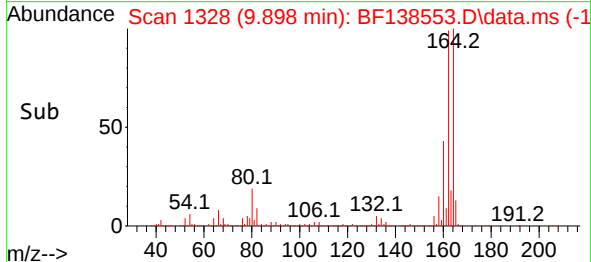
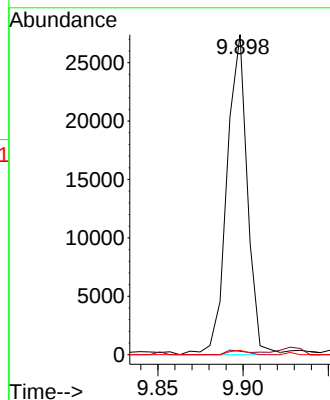
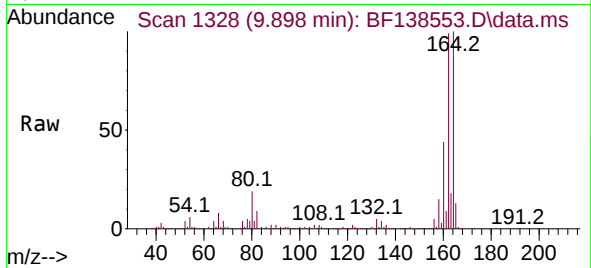




#51
2,6-Dinitrotoluene
Concen: 8.895 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

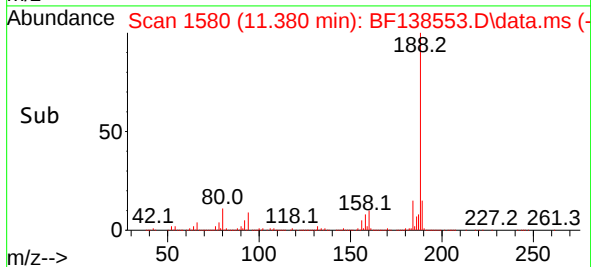
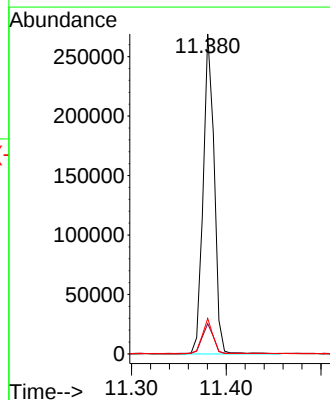
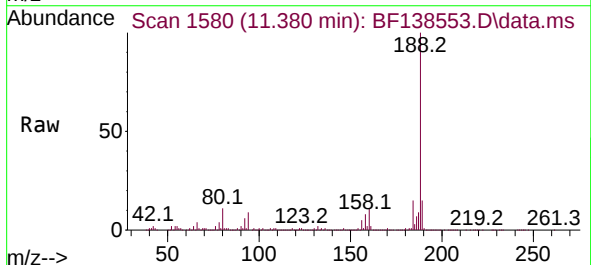
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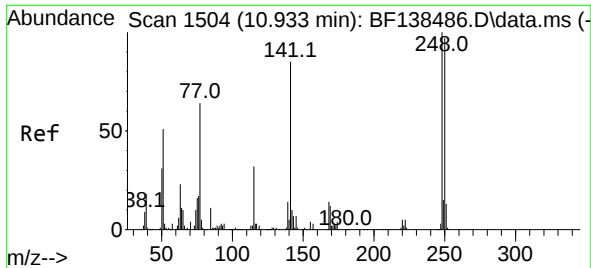
Tgt Ion:165 Resp: 22796
Ion Ratio Lower Upper
165 100
63 1.0 48.1 72.1#
89 1.4 43.0 64.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:188 Resp: 219057
Ion Ratio Lower Upper
188 100
94 9.4 8.7 13.1
80 11.1 9.0 13.4

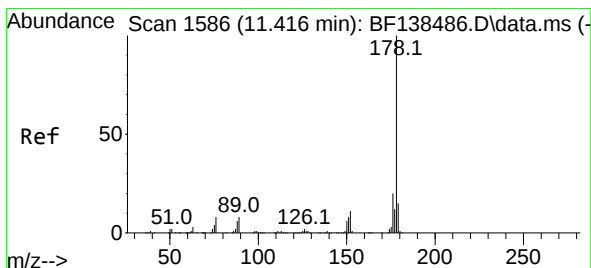
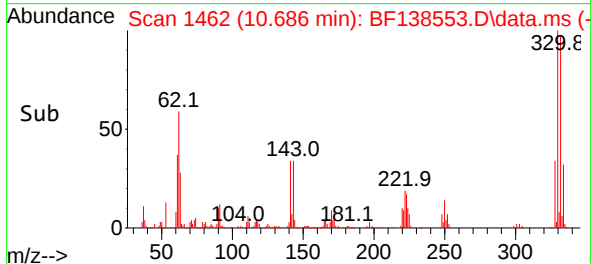
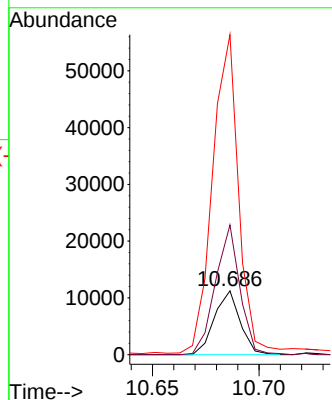
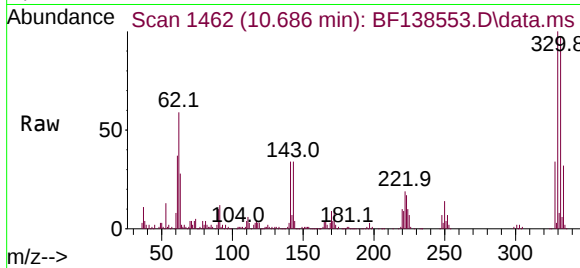




#67
4-Bromophenyl-phenylether
Concen: 4.190 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

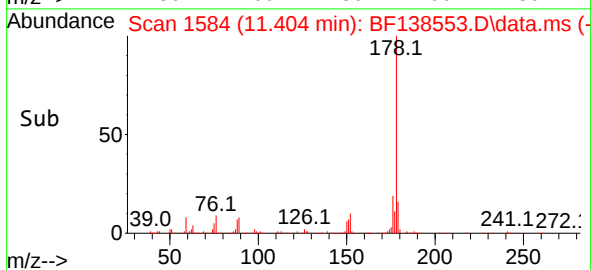
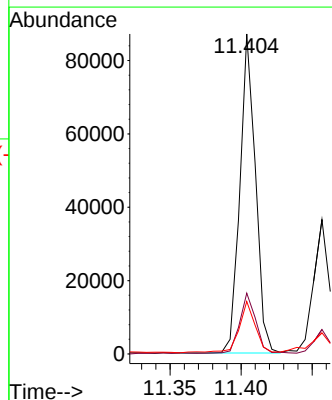
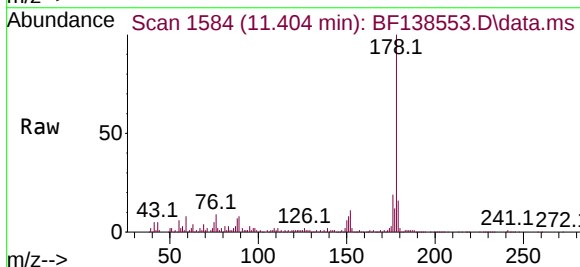
Instrument :
BNA_F
ClientSampleId :
WC-4

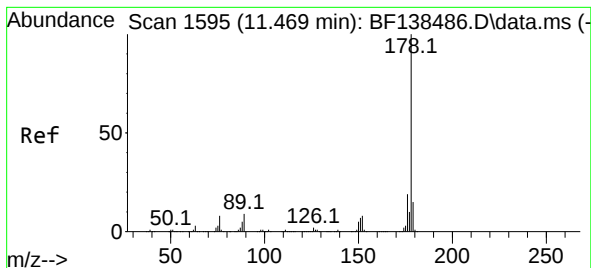
Tgt Ion:248 Resp: 9433
Ion Ratio Lower Upper
248 100
250 203.3 77.9 116.9#
141 501.3 67.7 101.5#



#71
Phenanthrene
Concen: 6.025 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:178 Resp: 66682
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 16.4 12.2 18.2





#72

Anthracene

Concen: 2.589 ng

RT: 11.457 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

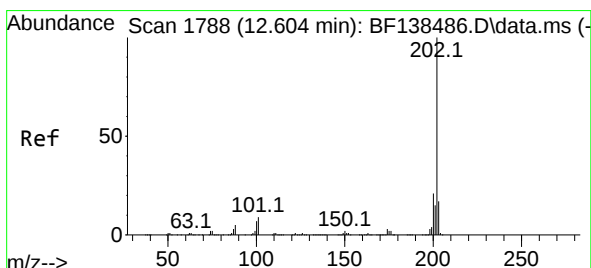
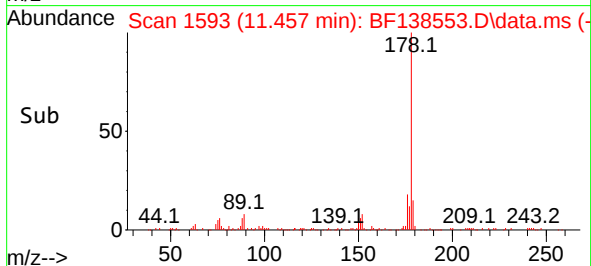
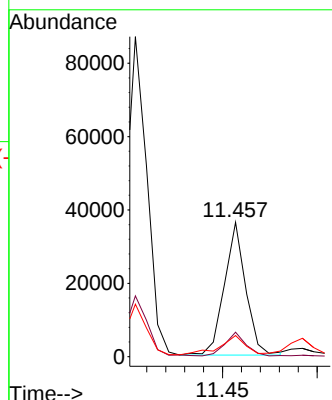
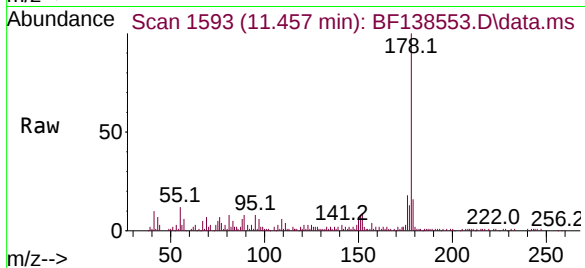
Tgt Ion:178 Resp: 28447

Ion Ratio Lower Upper

178 100

176 18.2 14.8 22.2

179 15.7 12.2 18.4



#75

Fluoranthene

Concen: 21.406 ng

RT: 12.592 min Scan# 1786

Delta R.T. -0.012 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

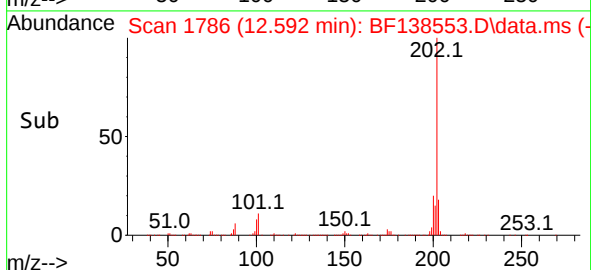
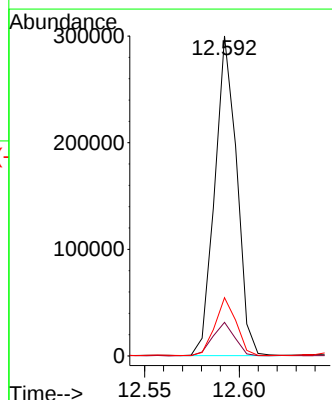
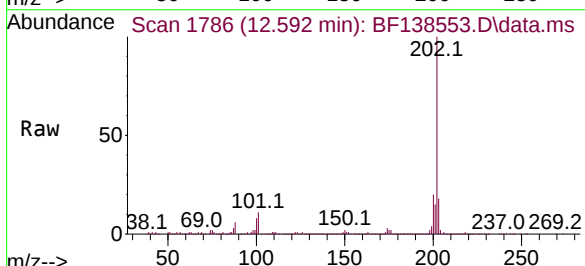
Tgt Ion:202 Resp: 241728

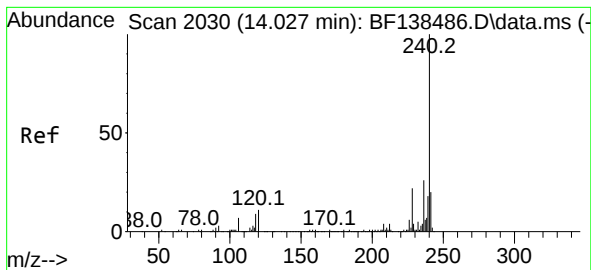
Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.2

203 18.2 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

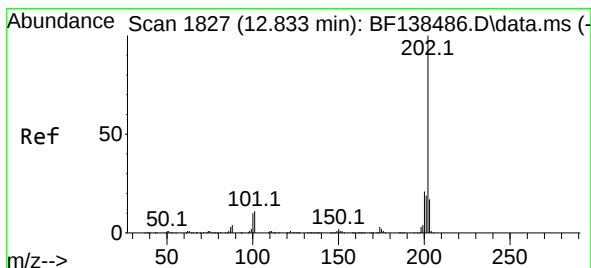
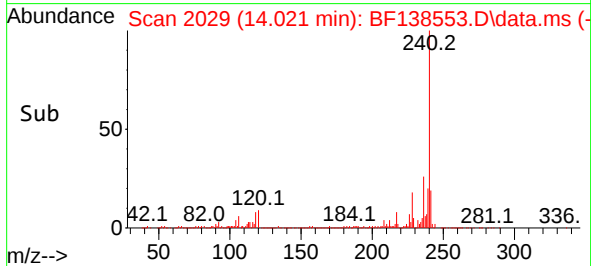
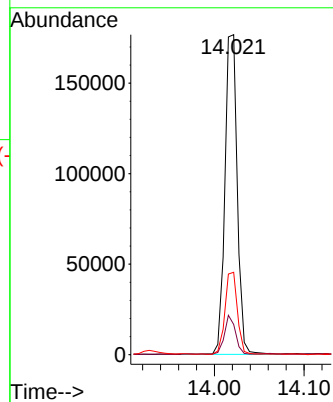
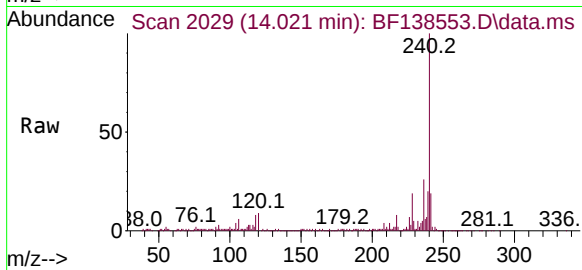
Tgt Ion:240 Resp: 168713

Ion Ratio Lower Upper

240 100

120 9.4 8.6 12.8

236 25.7 21.0 31.6



#78

Pyrene

Concen: 14.377 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

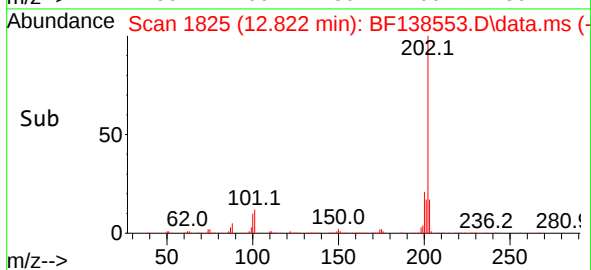
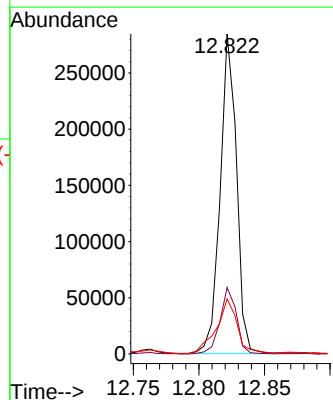
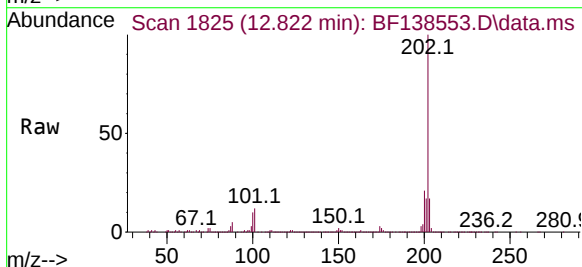
Tgt Ion:202 Resp: 246238

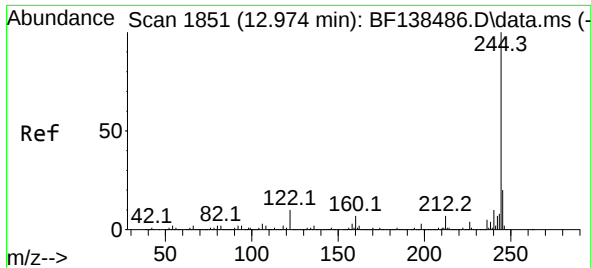
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 17.2 13.7 20.5

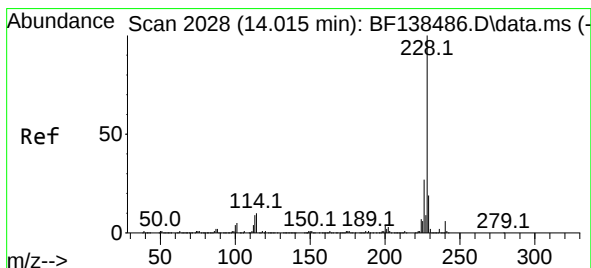
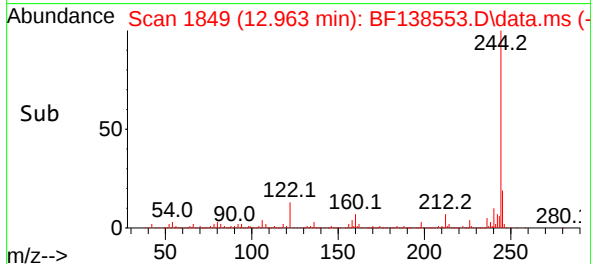
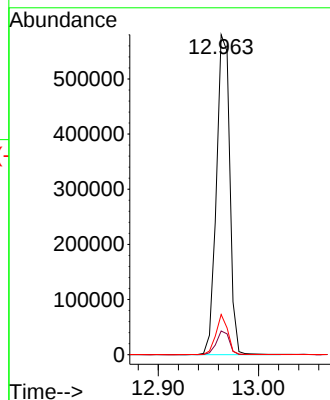
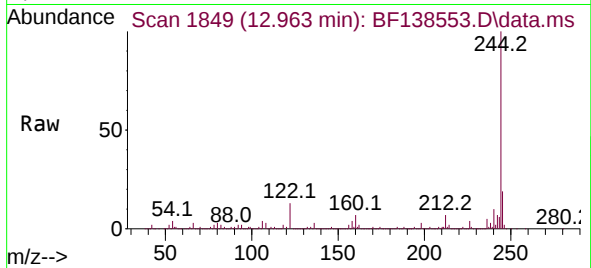




#79
Terphenyl-d14
Concen: 51.703 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

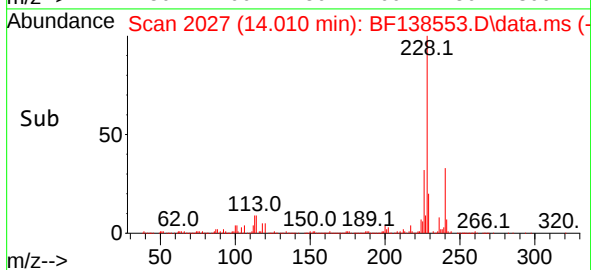
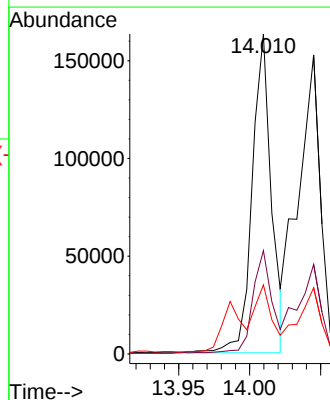
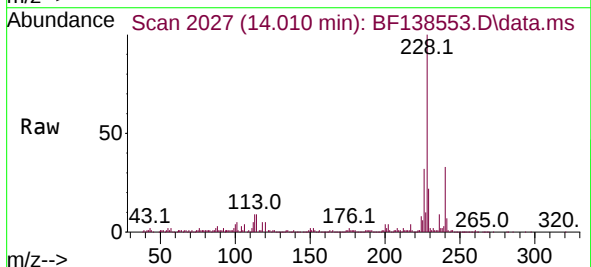
Instrument :
BNA_F
ClientSampleId :
WC-4

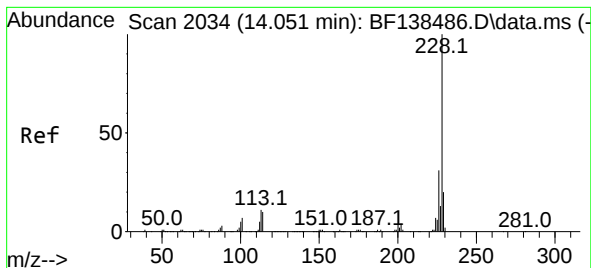
Tgt Ion:244 Resp: 535445
Ion Ratio Lower Upper
244 100
212 7.4 5.5 8.3
122 12.5 7.8 11.8#



#81
Benzo(a)anthracene
Concen: 13.566 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:228 Resp: 153573
Ion Ratio Lower Upper
228 100
226 32.3 21.9 32.9
229 21.6 15.5 23.3





#83

Chrysene

Concen: 15.881 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

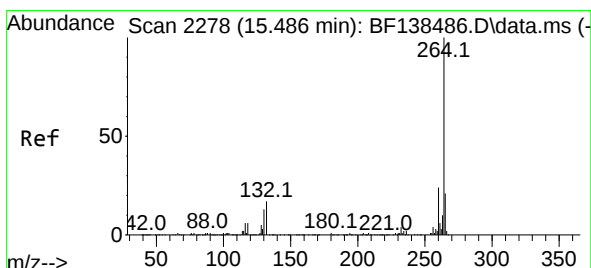
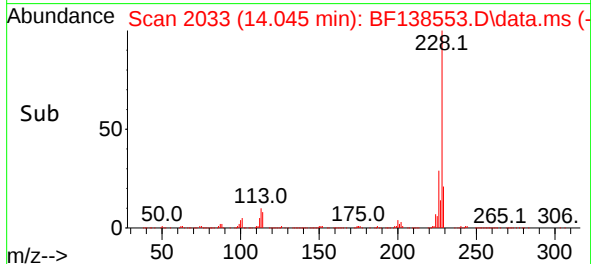
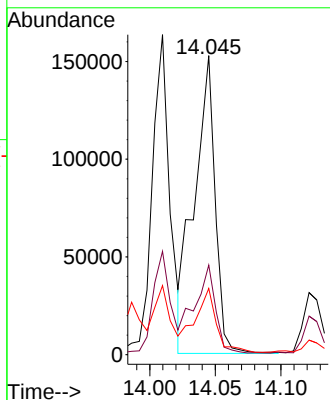
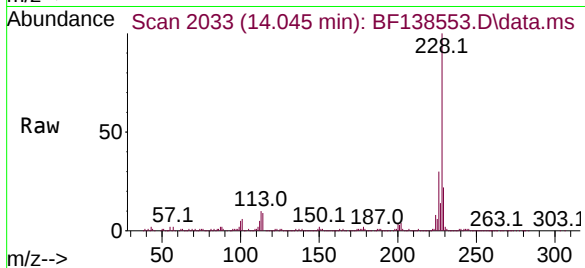
Tgt Ion:228 Resp: 170074

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 22.2 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.000 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

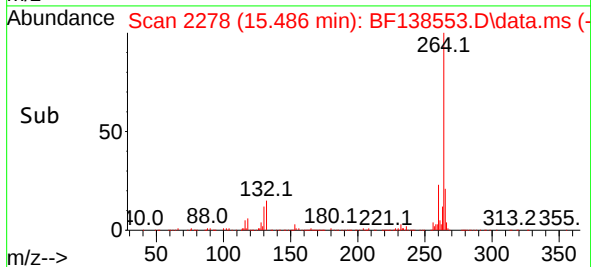
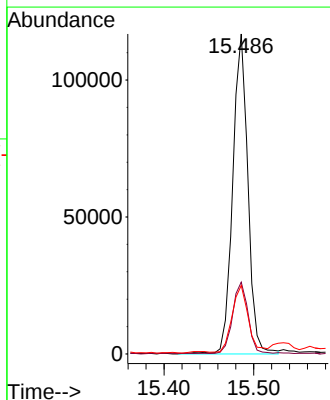
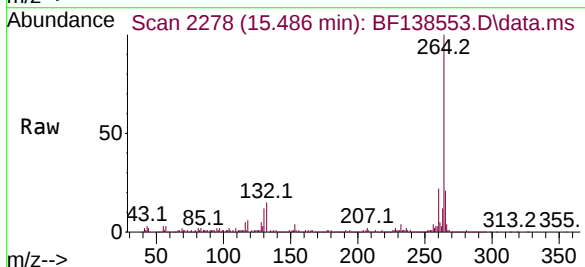
Tgt Ion:264 Resp: 137046

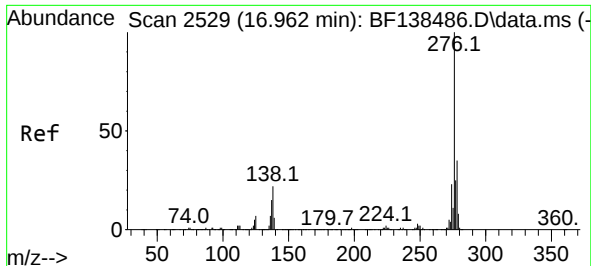
Ion Ratio Lower Upper

264 100

260 22.5 19.0 28.6

265 21.4 17.0 25.4

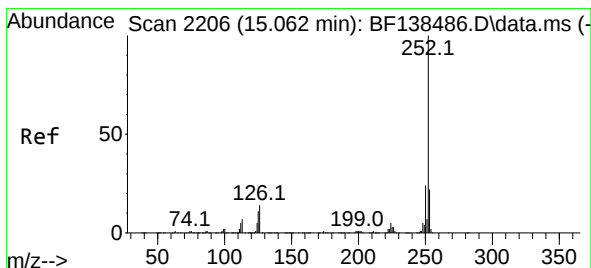
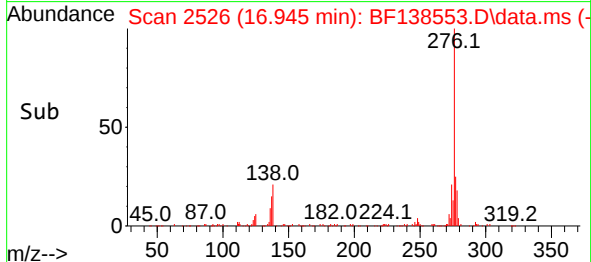
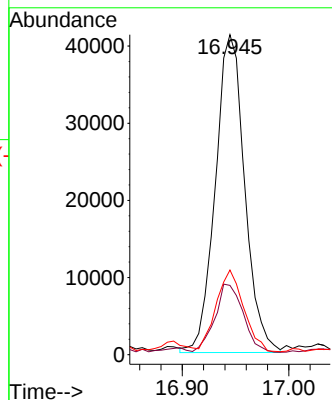
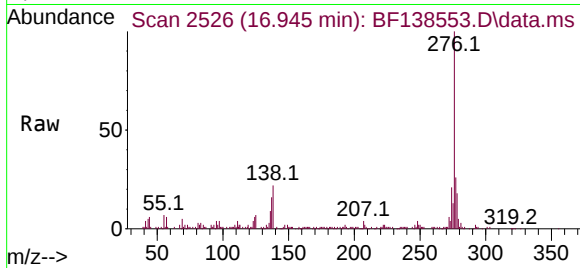




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.563 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

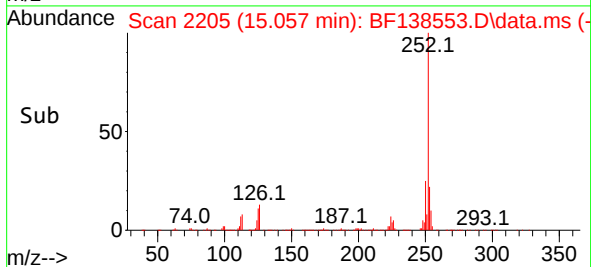
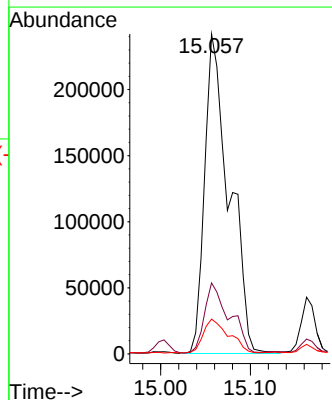
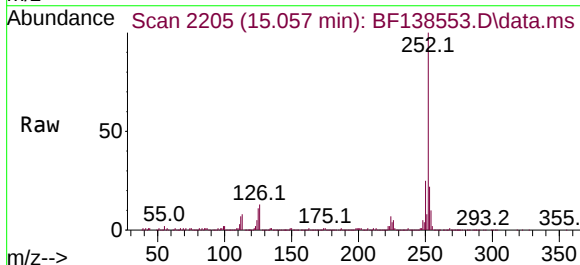
Instrument :
BNA_F
ClientSampleId :
WC-4

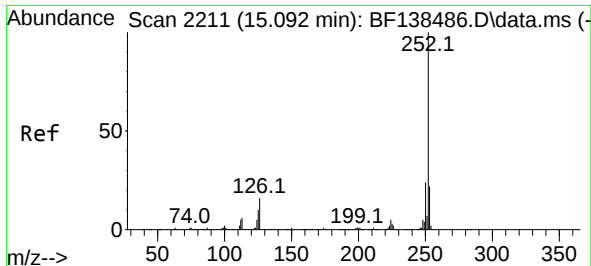
Tgt Ion:276 Resp: 78830
Ion Ratio Lower Upper
276 100
138 20.9 19.6 29.4
277 24.1 20.5 30.7



#88
Benzo(b)fluoranthene
Concen: 59.700 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF138553.D
Acq: 12 Jul 2024 18:36

Tgt Ion:252 Resp: 460765
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 10.9 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 61.212 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4

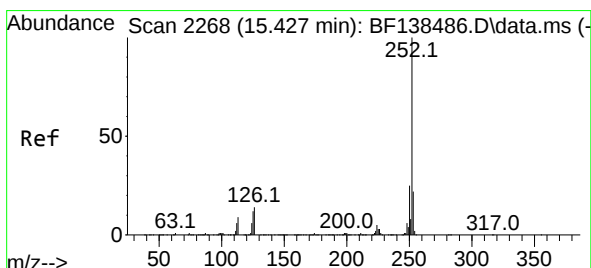
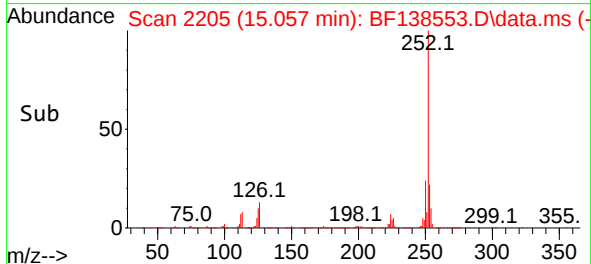
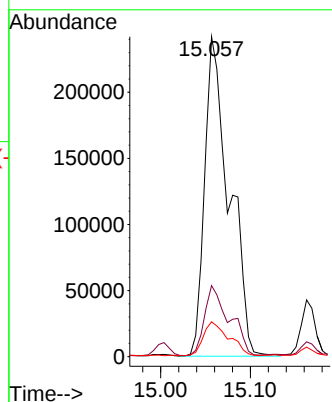
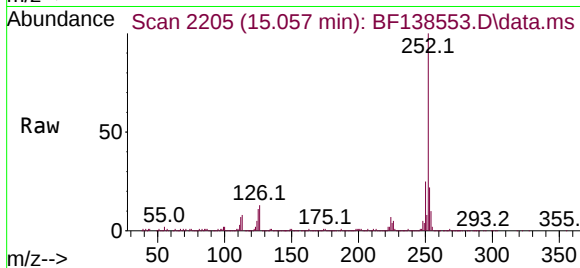
Tgt Ion:252 Resp: 460765

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 10.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 24.758 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.006 min

Lab File: BF138553.D

Acq: 12 Jul 2024 18:36

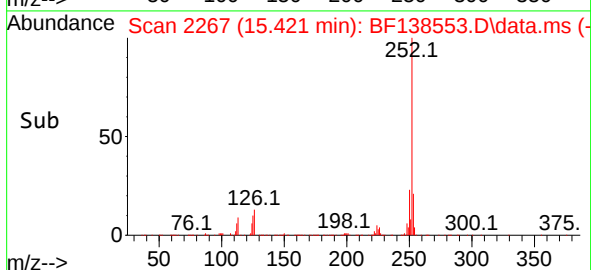
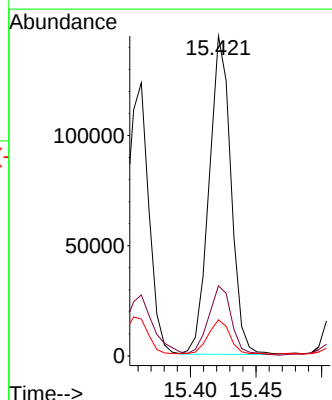
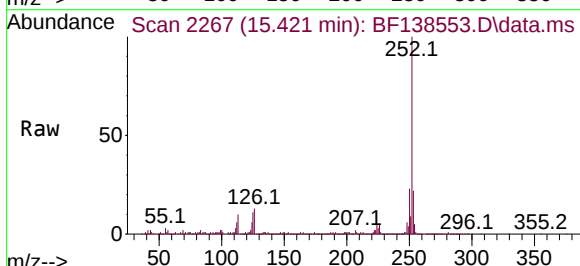
Tgt Ion:252 Resp: 167856

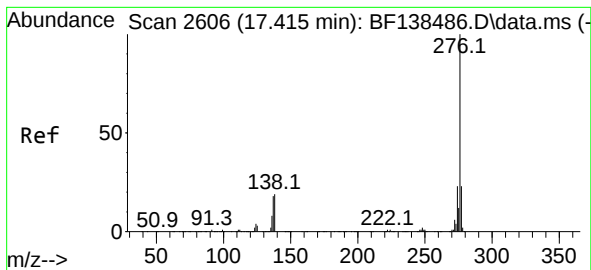
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 11.3 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 8.205 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF138553.D

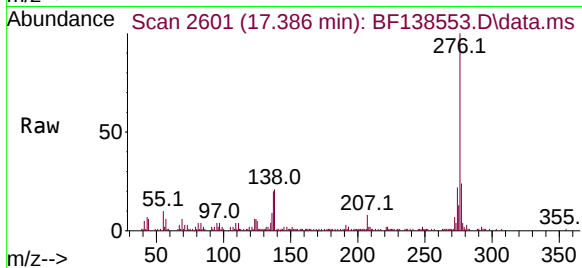
Acq: 12 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

WC-4



Tgt Ion:276 Resp: 65513

Ion Ratio Lower Upper

276 100

277 23.6 18.0 27.0

138 20.9 15.5 23.3

