

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138346.D
 Acq On : 25 Jun 2024 21:08
 Operator : CG\JU
 Sample : P3008-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-WS-6-21-24

Quant Time: Jun 26 01:02:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

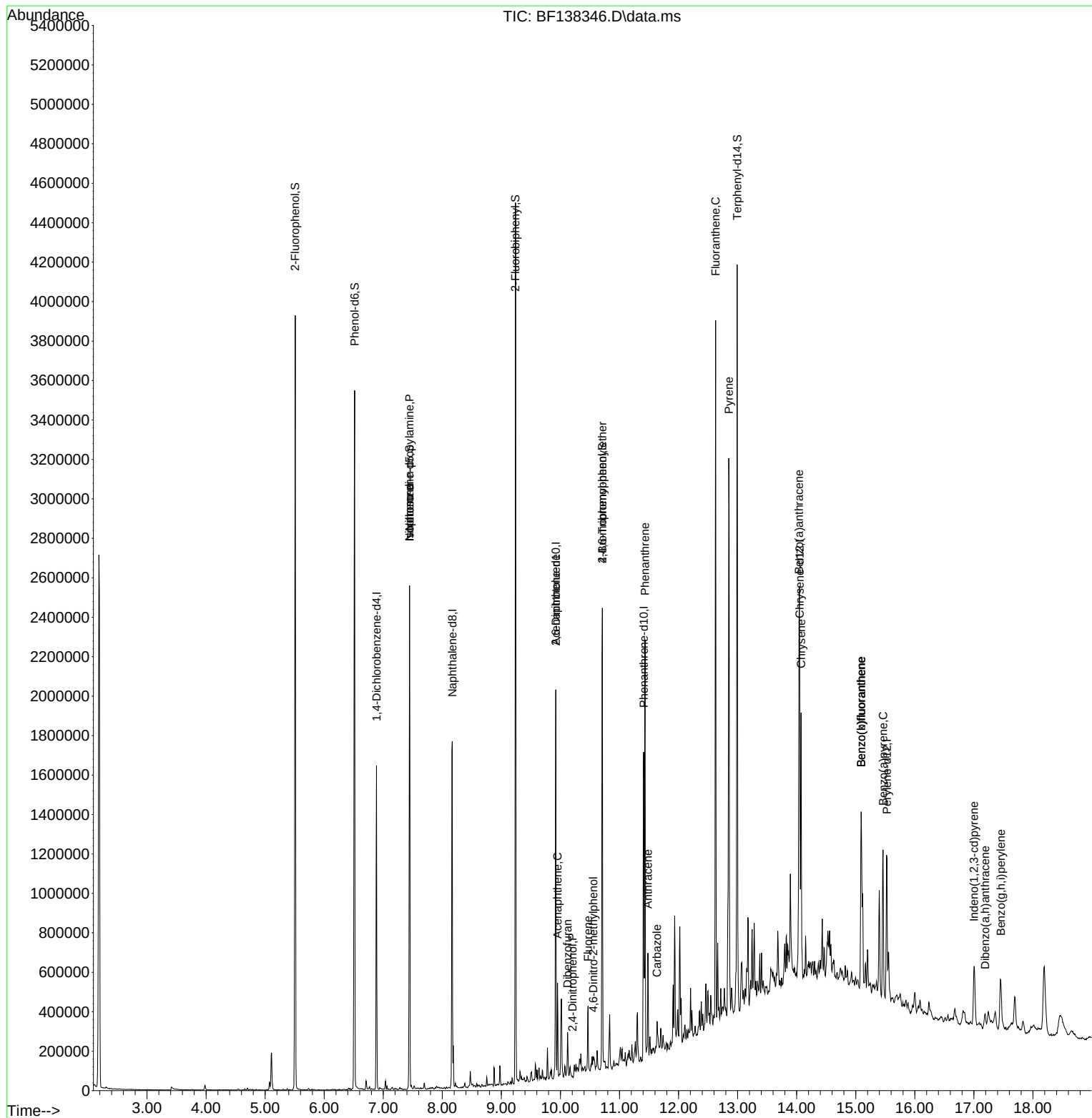
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	227277	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	806005	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	371073	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	596944	20.000	ng	0.00
76) Chrysene-d12	14.051	240	426082	20.000	ng	0.00
86) Perylene-d12	15.527	264	358373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1105955	81.402	ng	0.00
7) Phenol-d6	6.516	99	1298270	75.358	ng	0.00
23) Nitrobenzene-d5	7.445	82	795350	57.447	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	307025	83.112	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1283223	54.990	ng	-0.01
79) Terphenyl-d14	12.992	244	1299142	48.292	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	104785	10.261	ng	# 76
25) Isophorone	7.445	82	789657	31.532	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	49506	10.037	ng	# 25
52) Acenaphthene	9.951	154	87715	4.263	ng	99
54) 2,4-Dinitrophenol	10.204	184	227	4.329	ng	# 62
55) Dibenzofuran	10.122	168	71401	2.482	ng	99
58) Fluorene	10.469	166	87777	3.881	ng	98
65) 4,6-Dinitro-2-methylph...	10.557	198	55	6.950	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	18907	2.811	ng	# 1
71) Phenanthrene	11.433	178	735225	24.905	ng	97
72) Anthracene	11.480	178	192548	6.569	ng	97
73) Carbazole	11.633	167	60951	2.267	ng	98
75) Fluoranthene	12.627	202	1232920	40.957	ng	99
78) Pyrene	12.851	202	1230829	33.490	ng	98
81) Benzo(a)anthracene	14.039	228	549995	20.120	ng	98
83) Chrysene	14.074	228	477274	18.318	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	227921	9.756	ng	96
88) Benzo(b)fluoranthene	15.092	252	699831	33.114	ng	97
89) Benzo(k)fluoranthene	15.092	252	699831	33.789	ng	98
90) Benzo(a)pyrene	15.462	252	377041	20.767	ng	98
91) Dibenzo(a,h)anthracene	17.192	278	49145	2.563	ng	95
92) Benzo(g,h,i)perylene	17.456	276	233270	11.759	ng	99

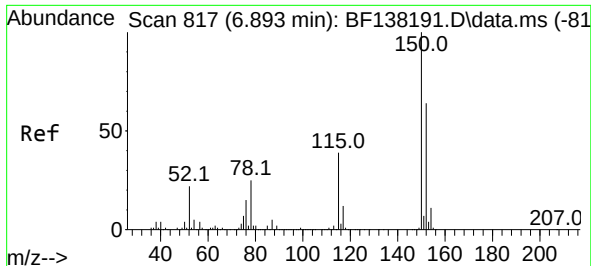
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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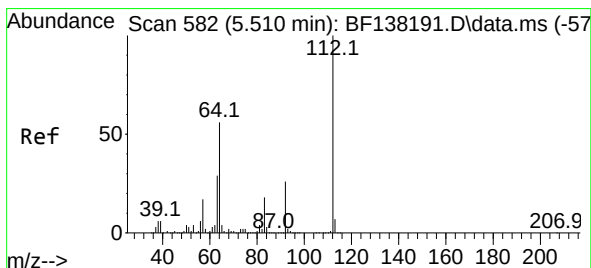
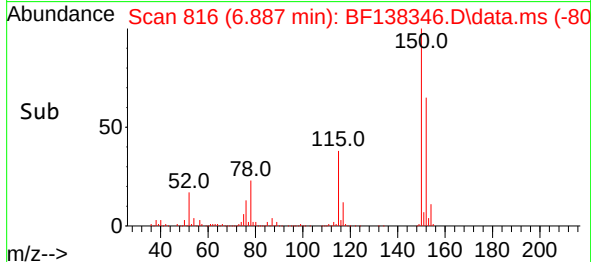
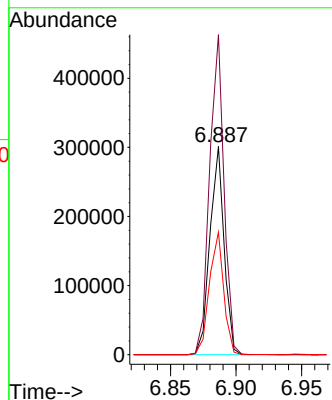
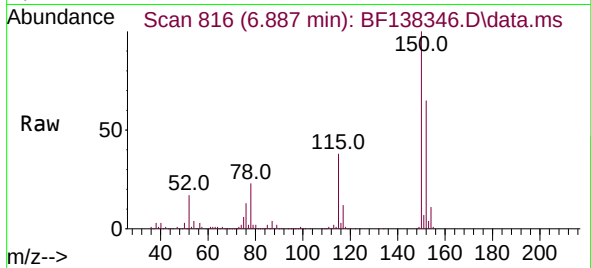




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

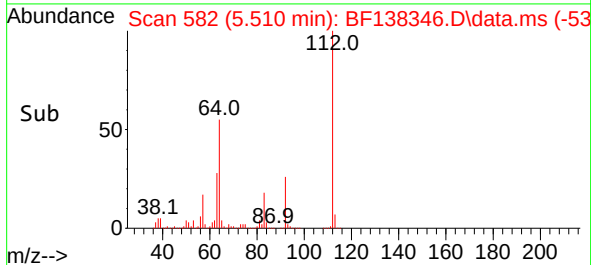
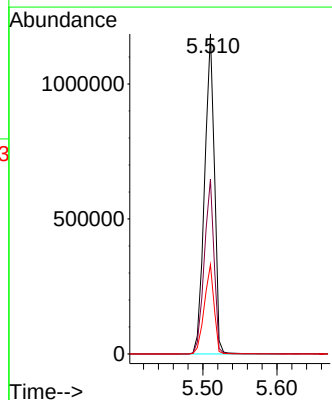
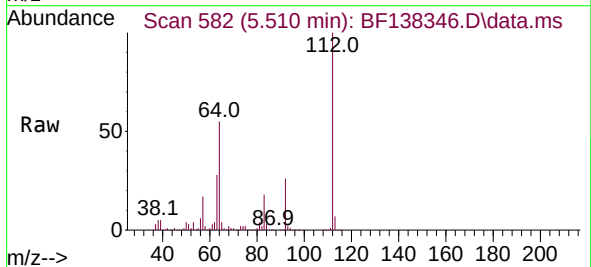
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

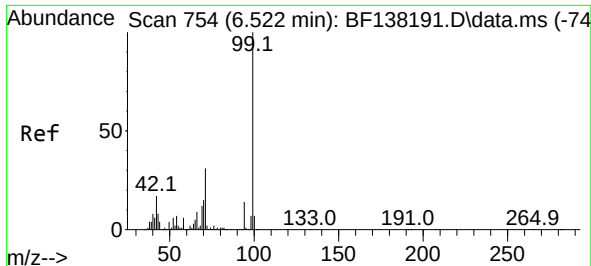
Tgt Ion:152 Resp: 227277
Ion Ratio Lower Upper
152 100
150 153.7 125.0 187.4
115 58.9 48.4 72.6



#5
2-Fluorophenol
Concen: 81.402 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:112 Resp: 1105955
Ion Ratio Lower Upper
112 100
64 54.6 45.2 67.8
63 27.9 22.9 34.3

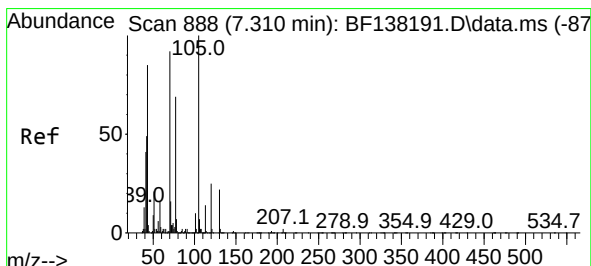
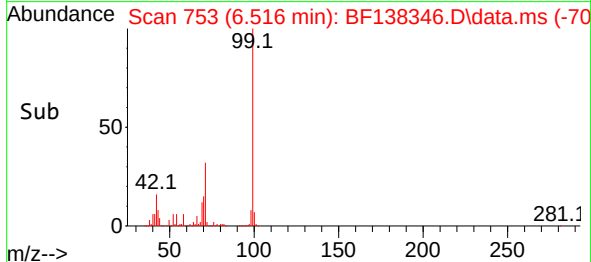
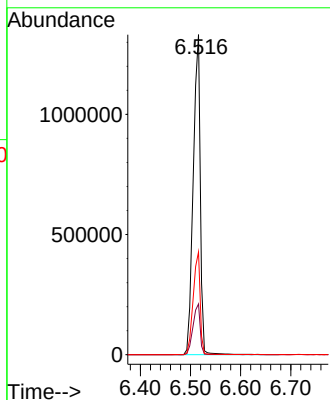
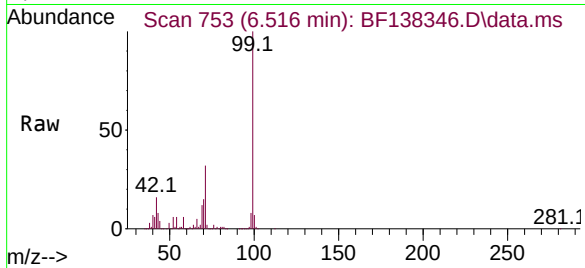




#7
Phenol-d6
Concen: 75.358 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

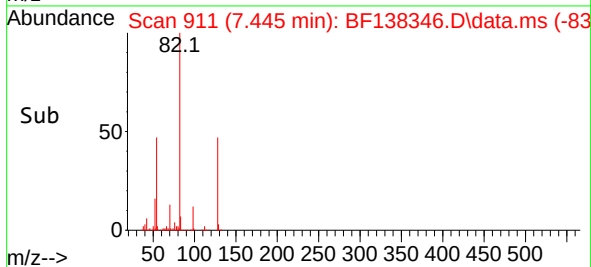
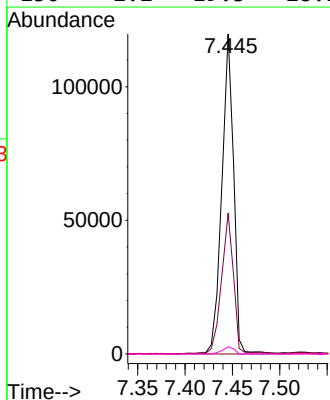
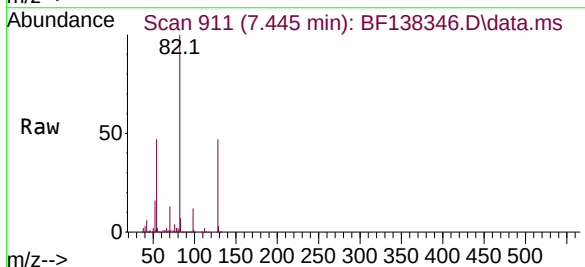
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

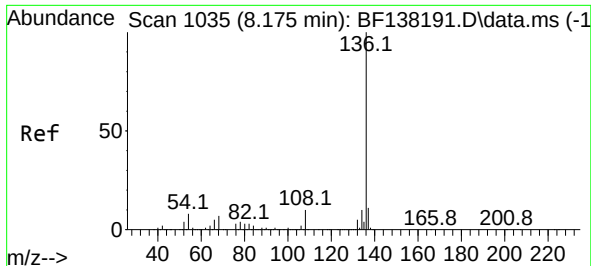
Tgt Ion: 99 Resp: 1298270
Ion Ratio Lower Upper
99 100
42 15.9 13.7 20.5
71 32.1 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.261 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion: 70 Resp: 104785
Ion Ratio Lower Upper
70 100
42 44.0 42.8 64.2
101 0.0 8.4 12.6#
130 2.2 19.3 28.9#

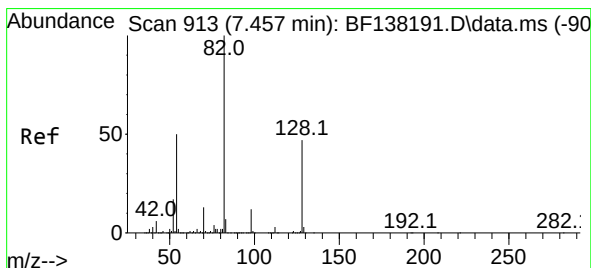
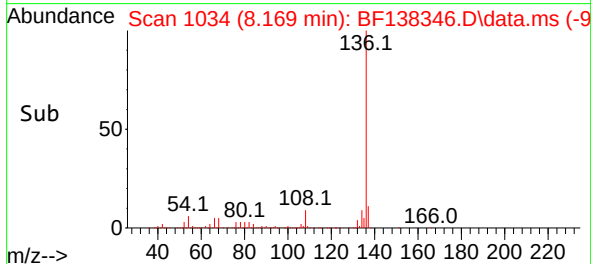
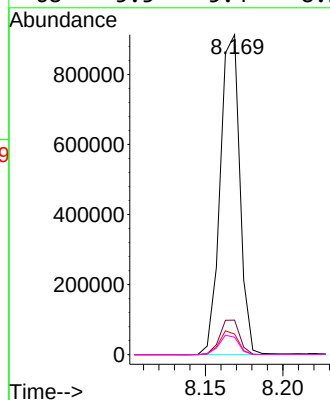
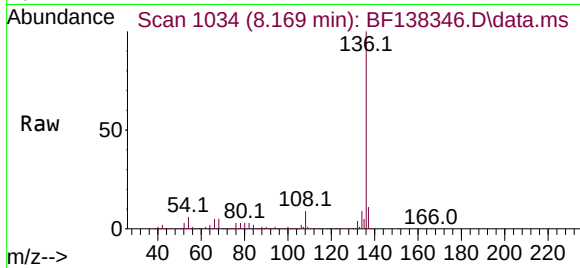




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

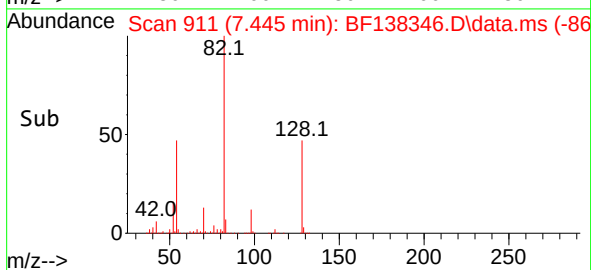
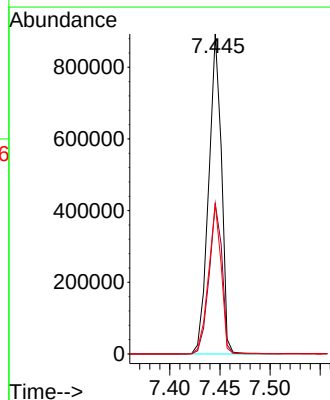
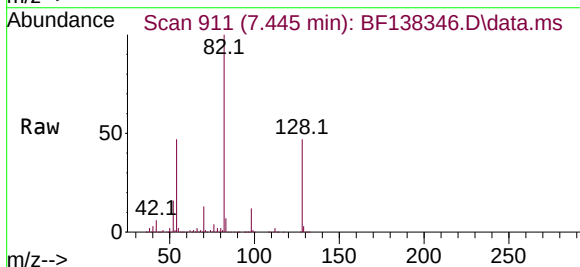
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

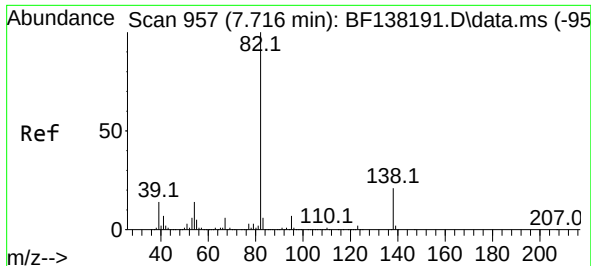
Tgt Ion:136 Resp: 806005
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.4 6.6 10.0#
68 5.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 57.447 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion: 82 Resp: 795350
Ion Ratio Lower Upper
82 100
128 47.0 37.2 55.8
54 47.0 39.8 59.6

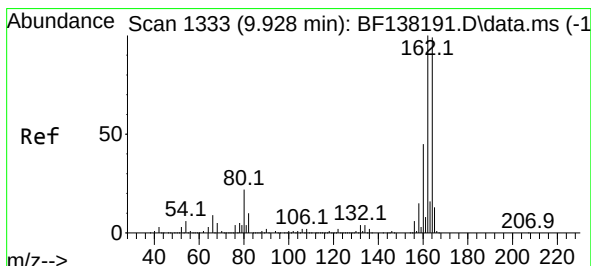
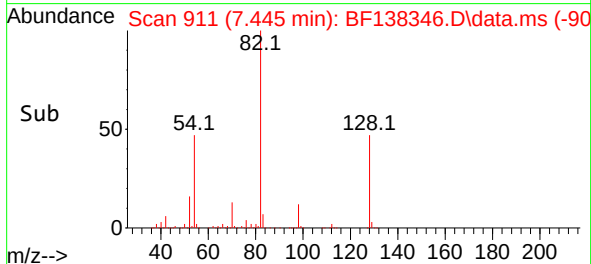
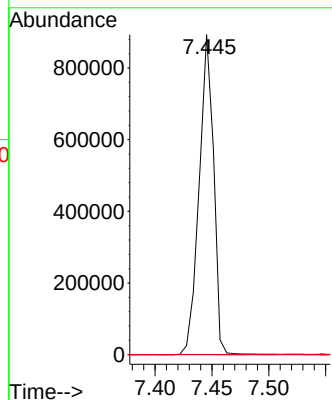
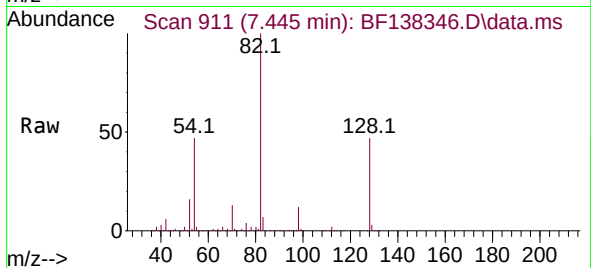




#25
Isophorone
Concen: 31.532 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

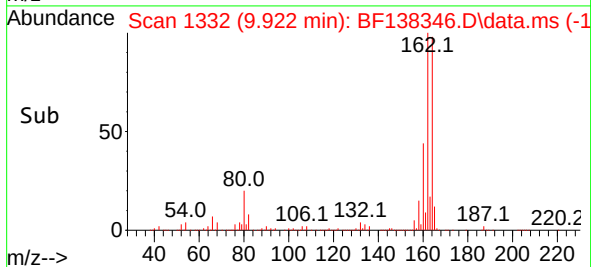
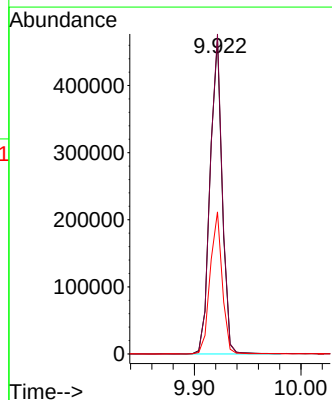
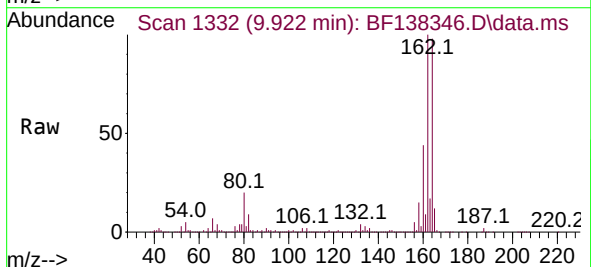
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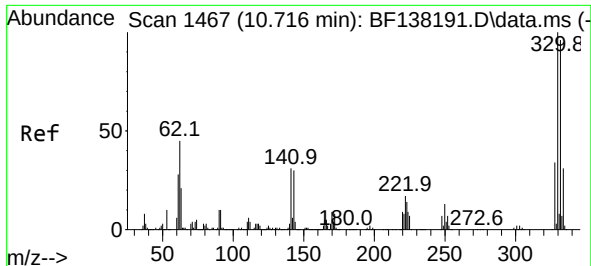
Tgt Ion: 82 Resp: 789657
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion: 164 Resp: 371073
Ion Ratio Lower Upper
164 100
162 101.6 80.6 121.0
160 45.1 36.3 54.5

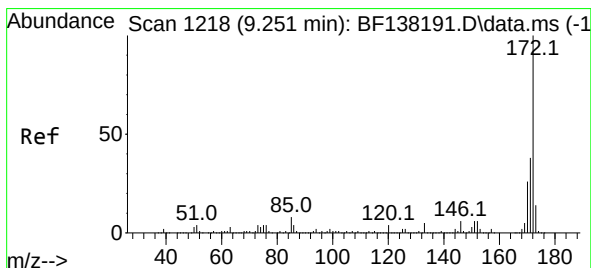
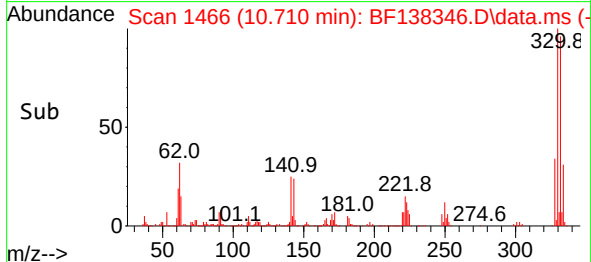
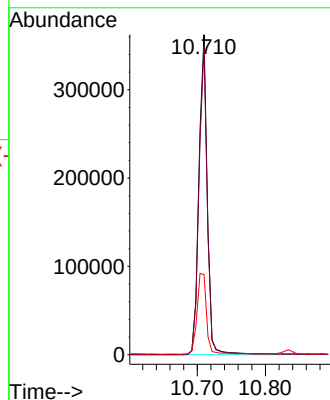
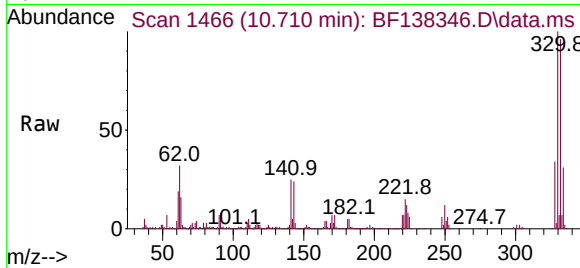




#42
2,4,6-Tribromophenol
Concen: 83.112 ng
RT: 10.710 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

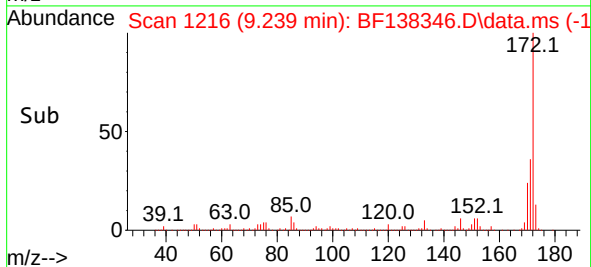
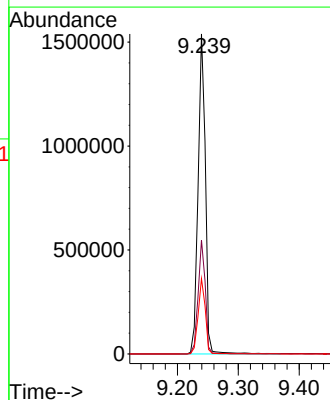
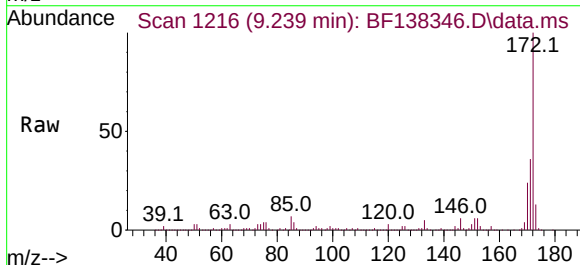
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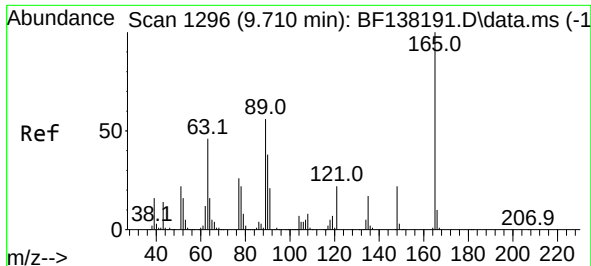
Tgt Ion:330 Resp: 307025
Ion Ratio Lower Upper
330 100
332 95.3 76.6 115.0
141 28.7 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 54.990 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:172 Resp: 1283223
Ion Ratio Lower Upper
172 100
171 35.6 30.3 45.5
170 23.6 20.6 30.8





#51

2,6-Dinitrotoluene

Concen: 10.037 ng

RT: 9.922 min Scan# 1332

Delta R.T. 0.212 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

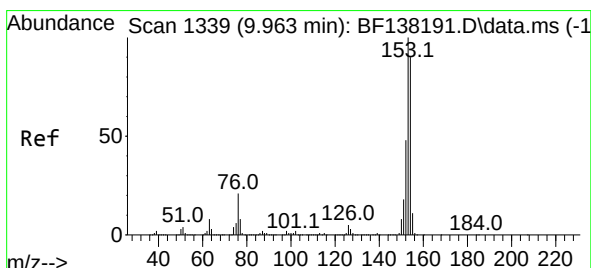
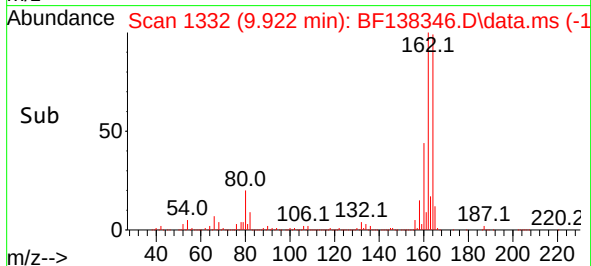
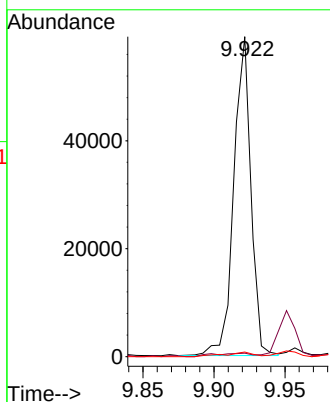
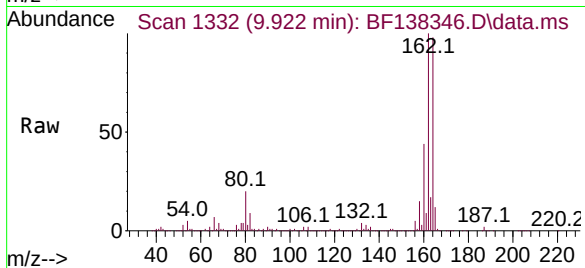
Tgt Ion:165 Resp: 49506

Ion Ratio Lower Upper

165 100

63 1.1 43.7 65.5#

89 1.5 44.9 67.3#



#52

Acenaphthene

Concen: 4.263 ng

RT: 9.951 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

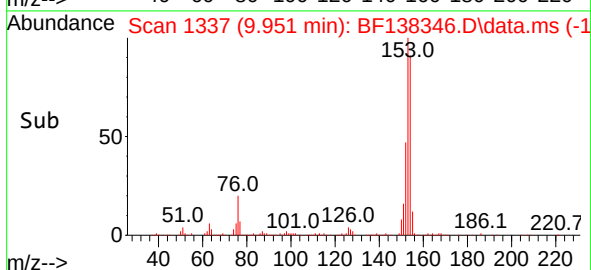
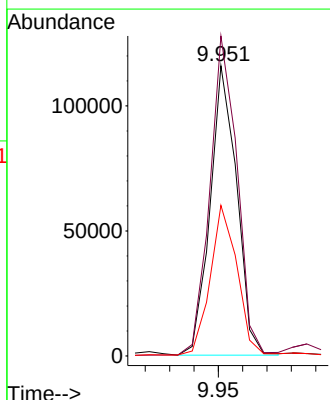
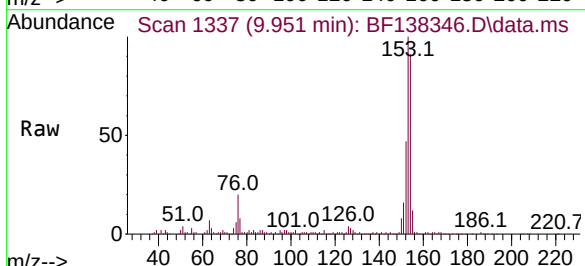
Tgt Ion:154 Resp: 87715

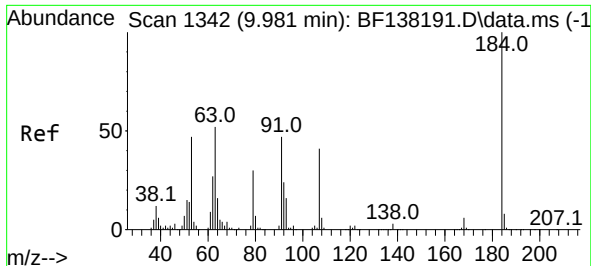
Ion Ratio Lower Upper

154 100

153 110.2 89.1 133.7

152 51.9 42.4 63.6

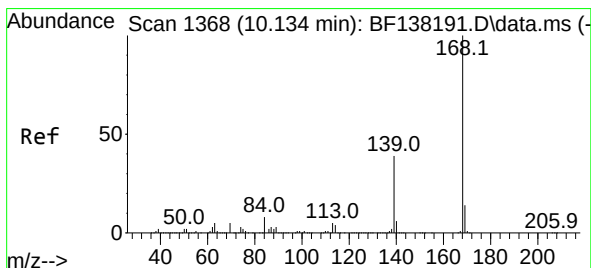
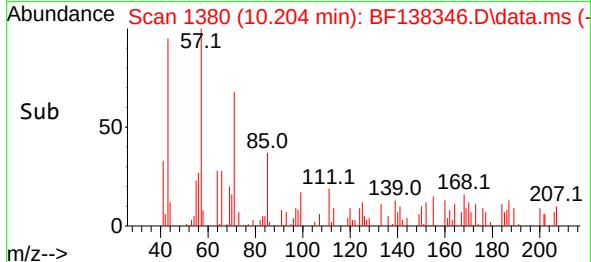
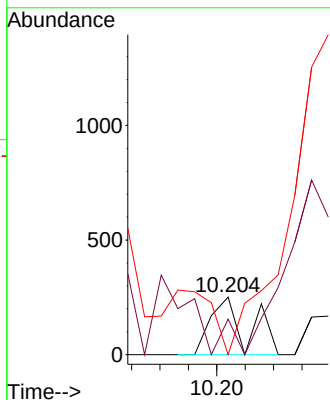
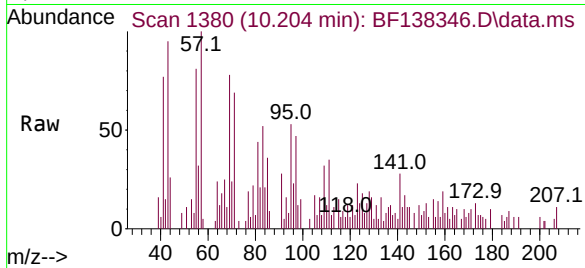




#54
2,4-Dinitrophenol
Concen: 4.329 ng
RT: 10.204 min Scan# 1380
Delta R.T. 0.223 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

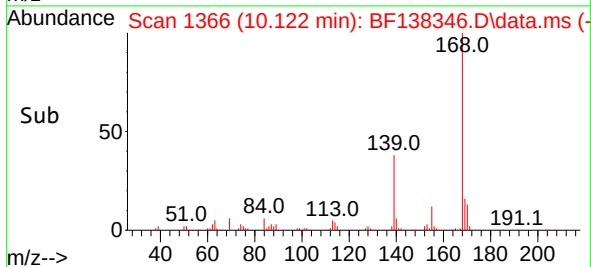
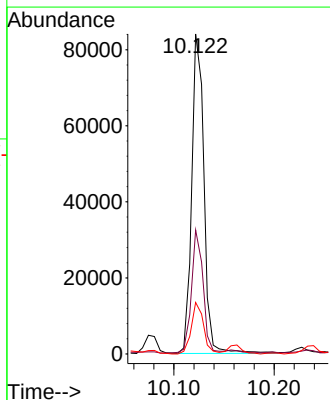
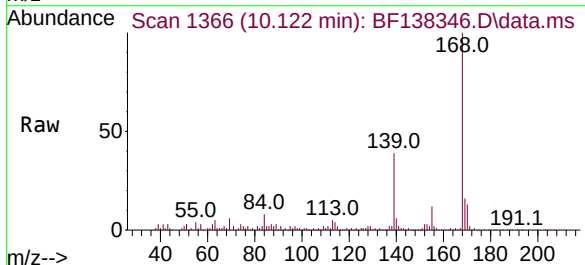
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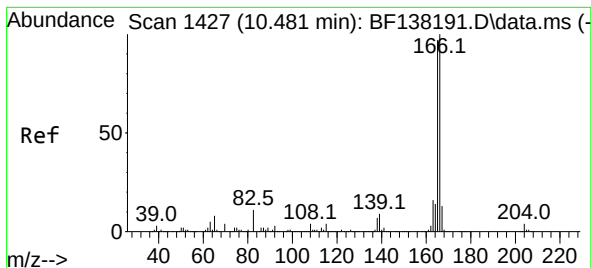
Tgt Ion:184 Resp: 227
Ion Ratio Lower Upper
184 100
63 61.8 49.2 73.8
154 0.0 46.7 70.1#



#55
Dibenzofuran
Concen: 2.482 ng
RT: 10.122 min Scan# 1366
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:168 Resp: 71401
Ion Ratio Lower Upper
168 100
139 38.8 31.0 46.4
169 16.1 11.4 17.0





#58

Fluorene

Concen: 3.881 ng

RT: 10.469 min Scan# 1425

Delta R.T. -0.012 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

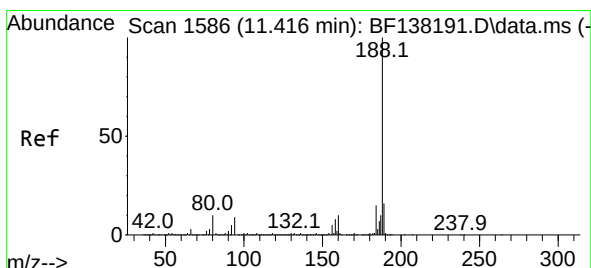
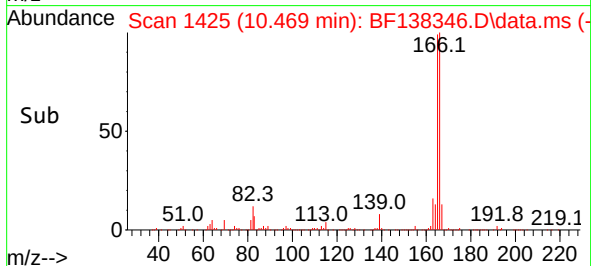
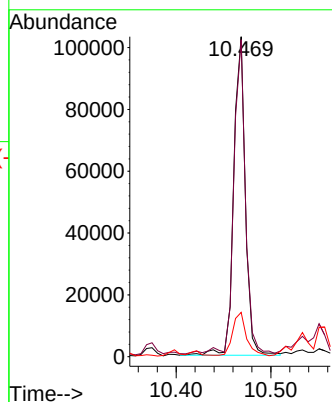
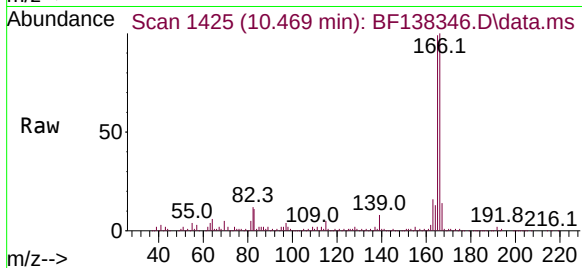
Tgt Ion:166 Resp: 87777

Ion Ratio Lower Upper

166 100

165 99.1 77.9 116.9

167 13.9 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

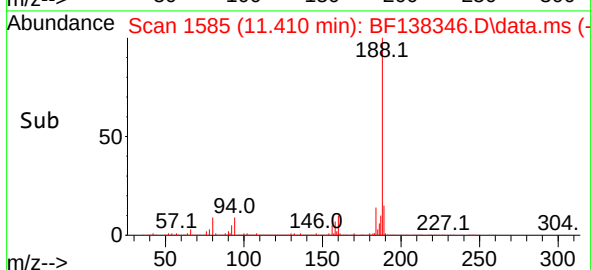
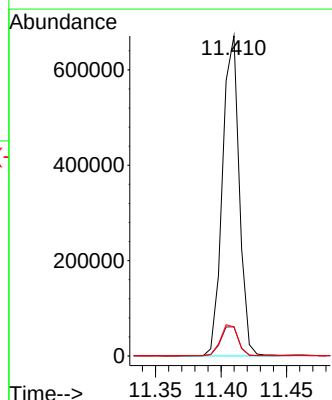
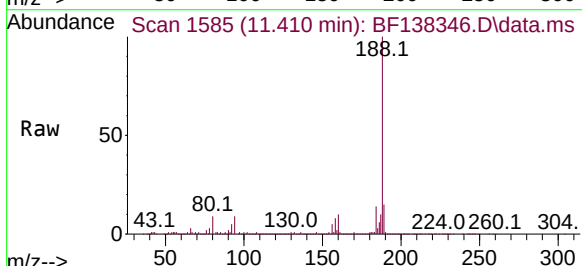
Tgt Ion:188 Resp: 596944

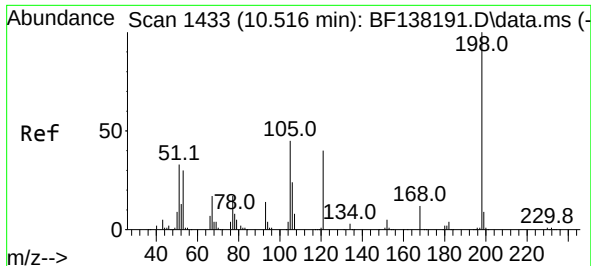
Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

80 9.1 8.1 12.1

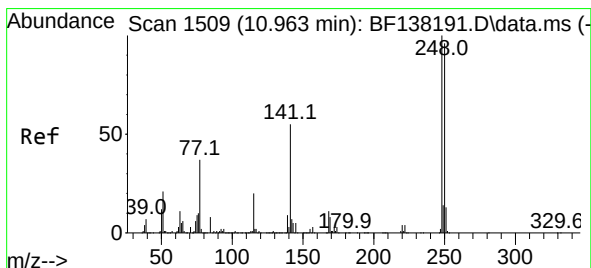
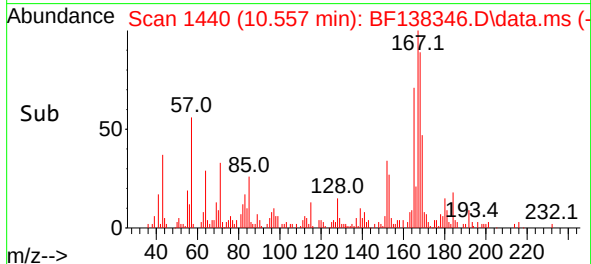
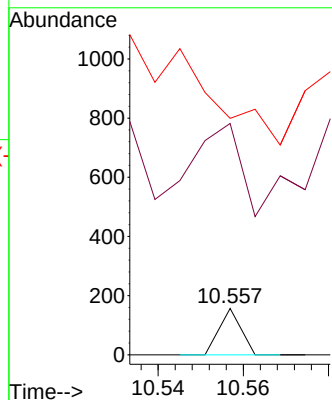
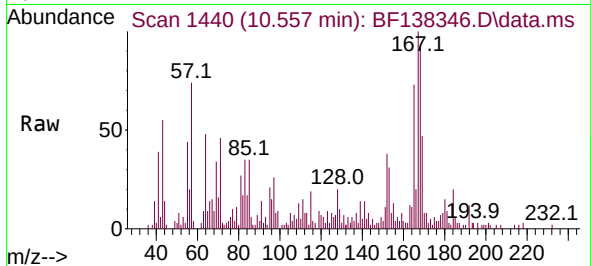




#65
4,6-Dinitro-2-methylphenol
Concen: 6.950 ng
RT: 10.557 min Scan# 1433
Delta R.T. 0.041 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

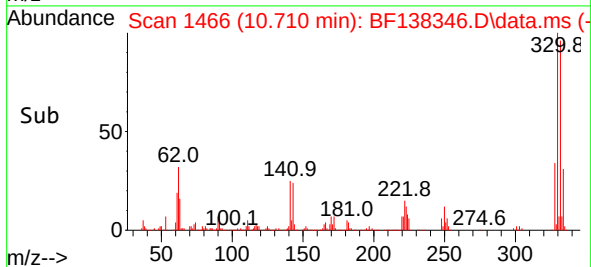
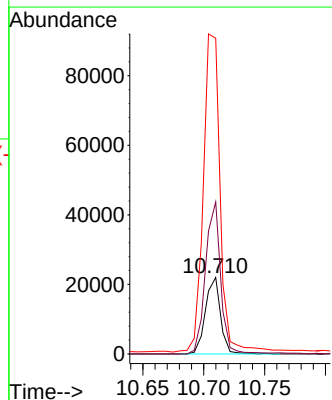
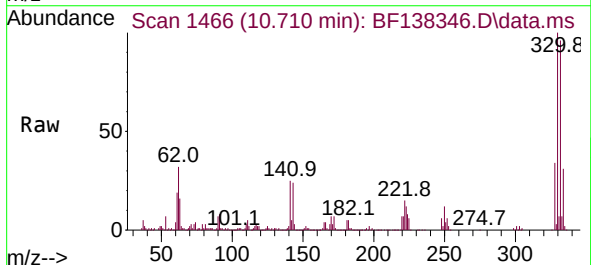
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

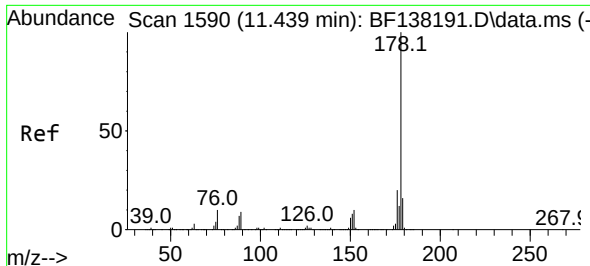
Tgt Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 498.1 26.9 66.9#
105 508.9 26.0 66.0#



#67
4-Bromophenyl-phenylether
Concen: 2.811 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:248 Resp: 18907
Ion Ratio Lower Upper
248 100
250 198.8 77.2 115.8#
141 412.7 44.1 66.1#

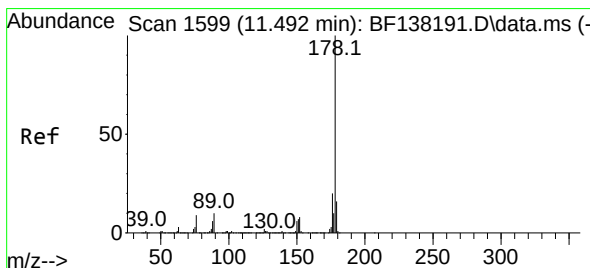
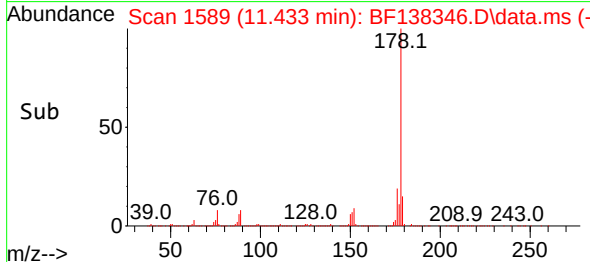
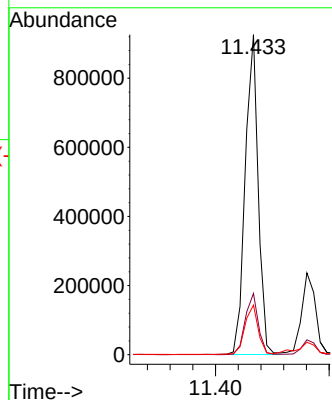
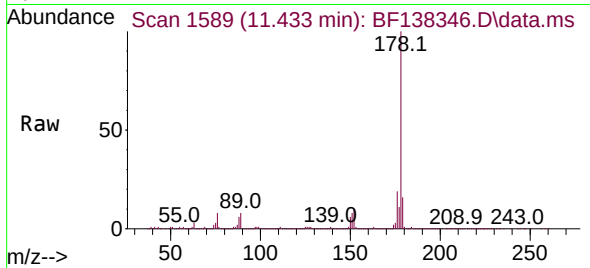




#71
Phenanthrene
Concen: 24.905 ng
RT: 11.433 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

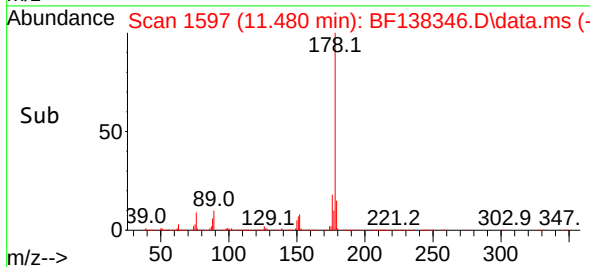
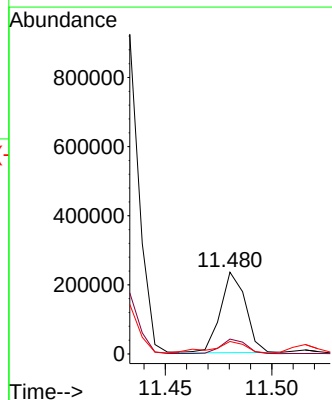
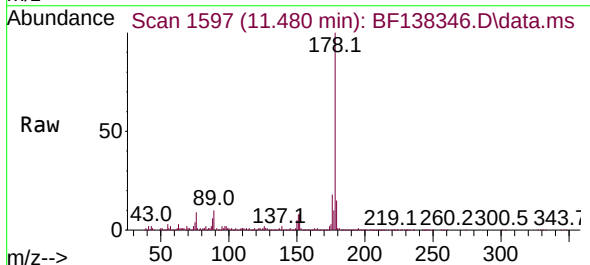
Instrument :
BNA_F
ClientSampleId :
WC-WS-6-21-24

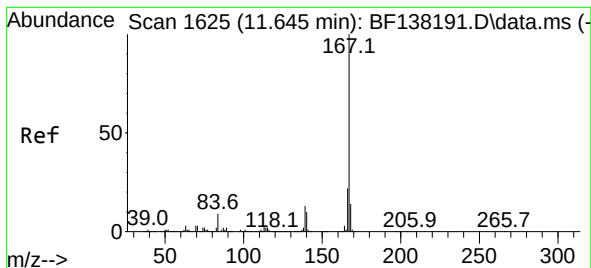
Tgt Ion:178 Resp: 735225
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.5 13.1 19.7



#72
Anthracene
Concen: 6.569 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF138346.D
Acq: 25 Jun 2024 21:08

Tgt Ion:178 Resp: 192548
Ion Ratio Lower Upper
178 100
176 18.1 15.7 23.5
179 15.4 13.0 19.6





#73

Carbazole

Concen: 2.267 ng

RT: 11.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

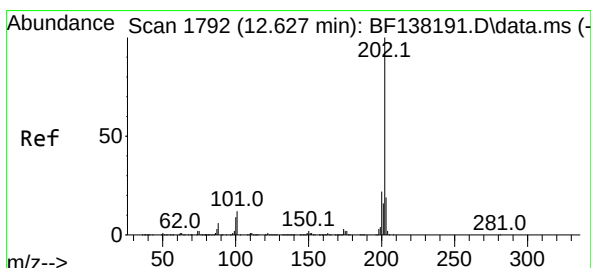
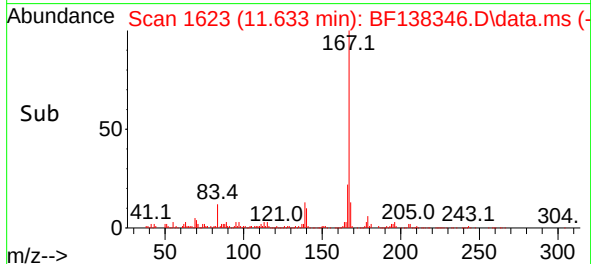
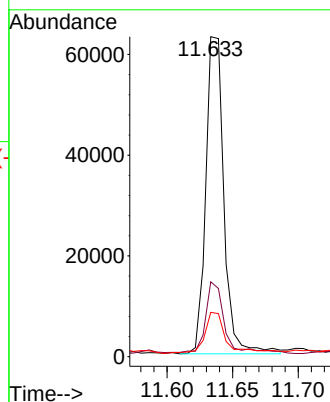
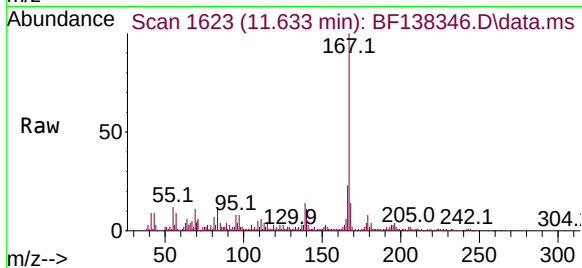
Tgt Ion:167 Resp: 60951

Ion Ratio Lower Upper

167 100

166 23.4 18.0 27.0

139 13.9 10.6 16.0



#75

Fluoranthene

Concen: 40.957 ng

RT: 12.627 min Scan# 1792

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

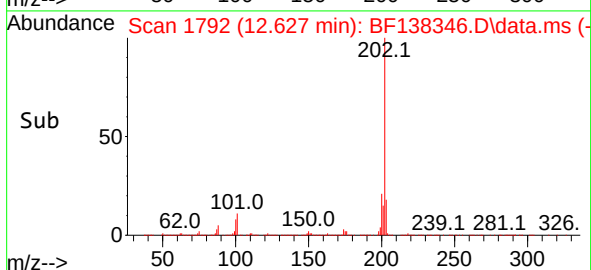
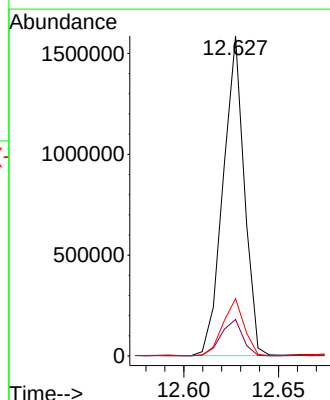
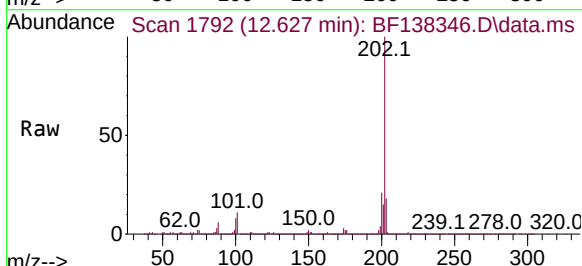
Tgt Ion:202 Resp: 1232920

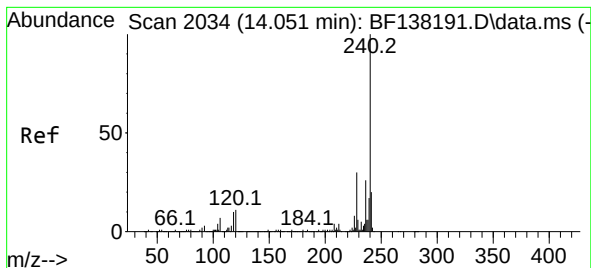
Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.8

203 17.9 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

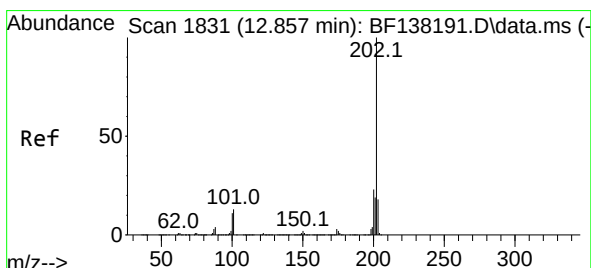
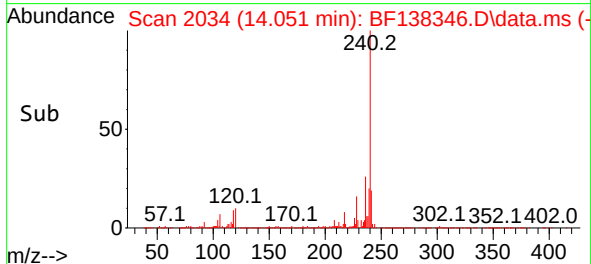
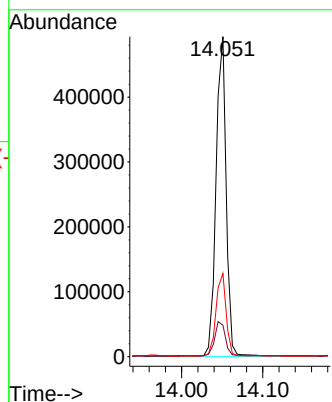
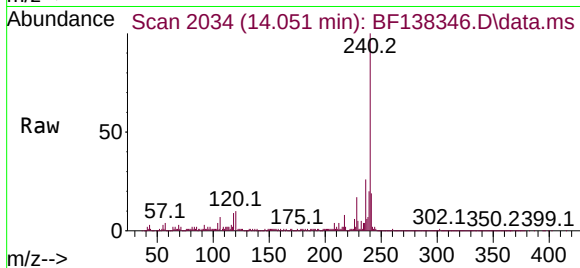
Tgt Ion:240 Resp: 426082

Ion Ratio Lower Upper

240 100

120 9.8 9.2 13.8

236 26.0 21.0 31.6



#78

Pyrene

Concen: 33.490 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

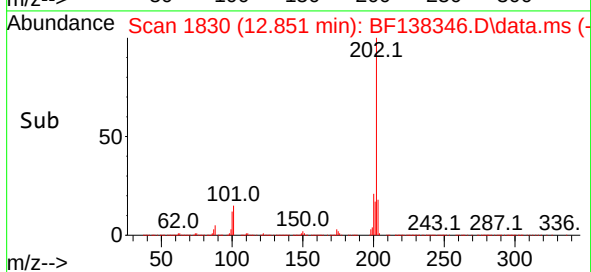
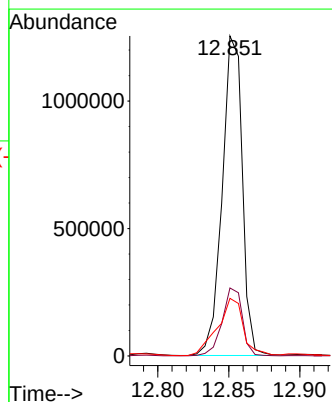
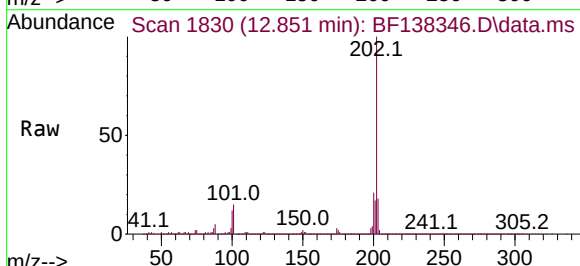
Tgt Ion:202 Resp: 1230829

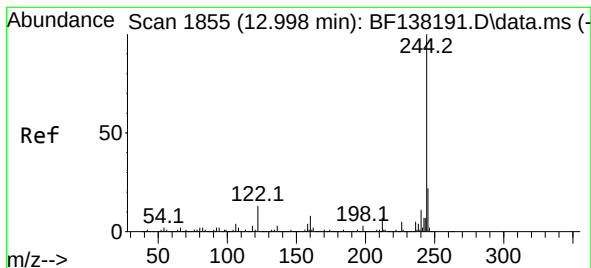
Ion Ratio Lower Upper

202 100

200 21.2 18.0 27.0

203 18.0 14.7 22.1





#79

Terphenyl-d14

Concen: 48.292 ng

RT: 12.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

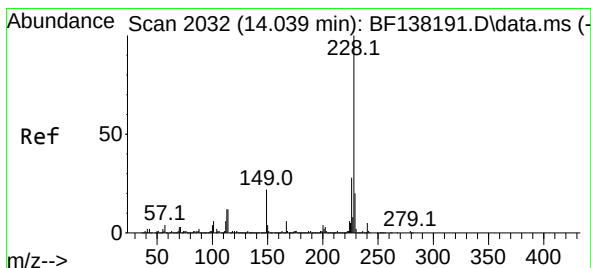
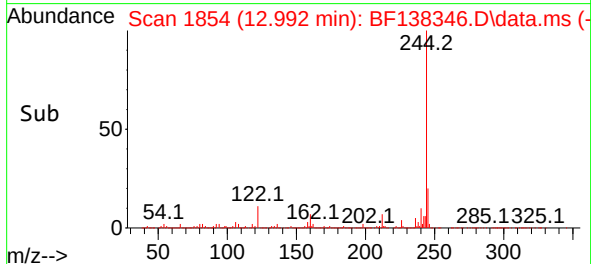
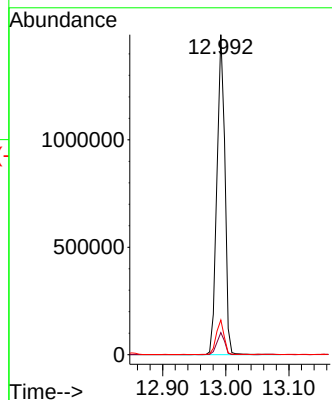
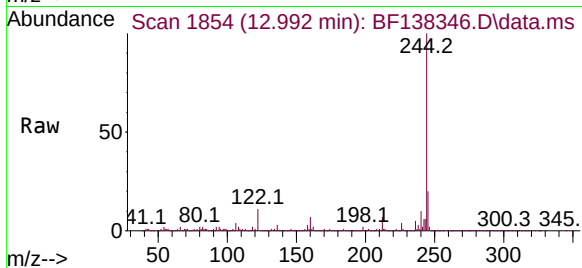
Tgt Ion:244 Resp: 1299142

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 10.8 10.6 15.8



#81

Benzo(a)anthracene

Concen: 20.120 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

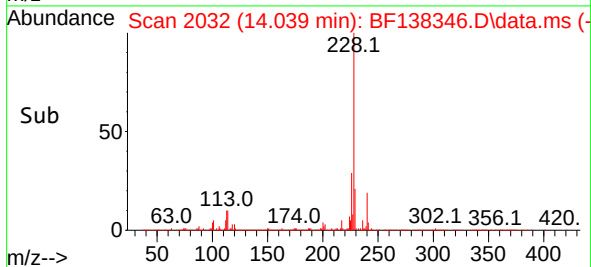
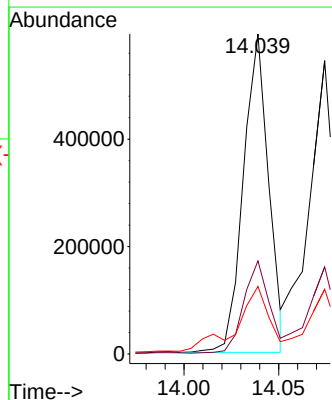
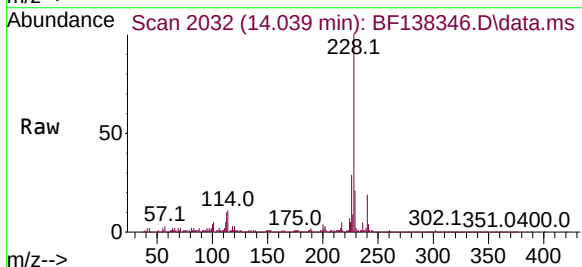
Tgt Ion:228 Resp: 549995

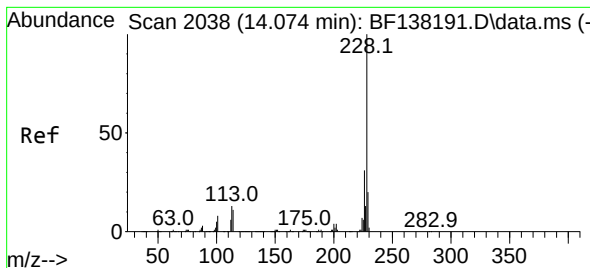
Ion Ratio Lower Upper

228 100

226 29.1 22.5 33.7

229 21.1 16.3 24.5





#83

Chrysene

Concen: 18.318 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

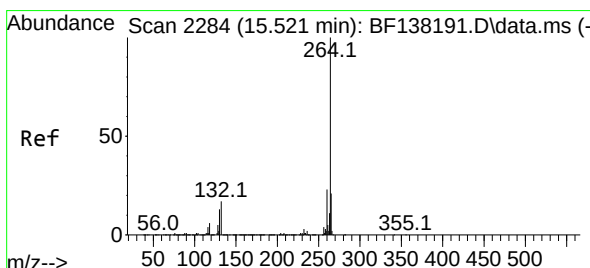
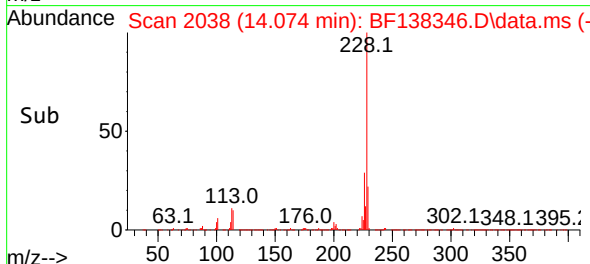
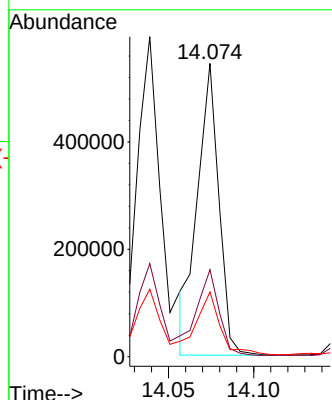
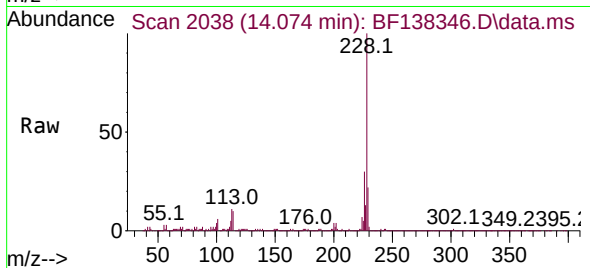
Tgt Ion:228 Resp: 477274

Ion Ratio Lower Upper

228 100

226 29.7 24.5 36.7

229 22.1 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

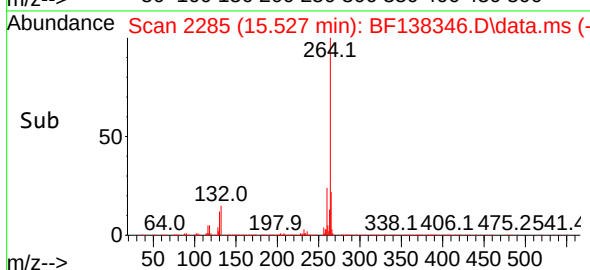
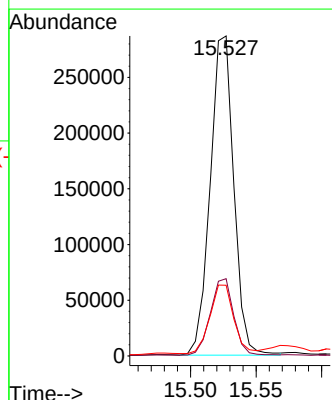
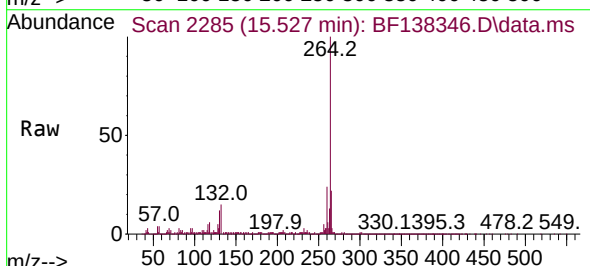
Tgt Ion:264 Resp: 358373

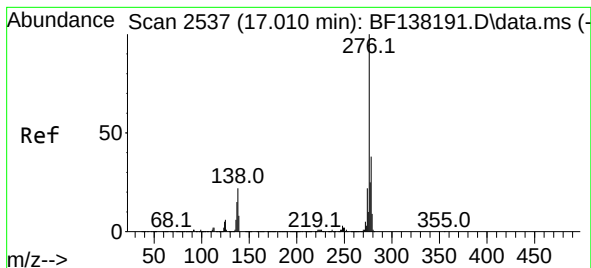
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.1 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.756 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

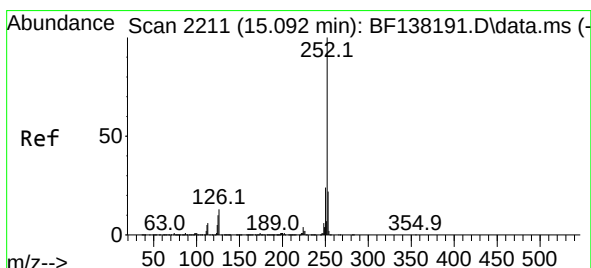
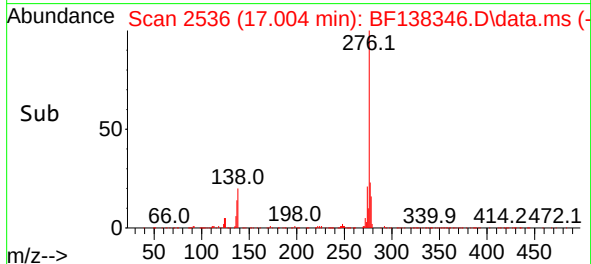
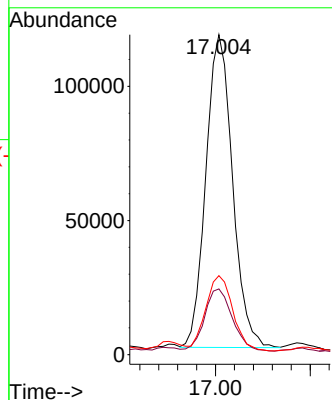
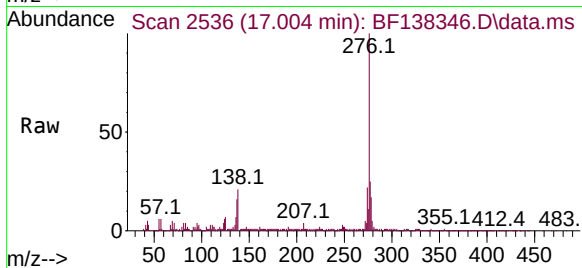
Tgt Ion:276 Resp: 227921

Ion Ratio Lower Upper

276 100

138 21.2 19.3 28.9

277 24.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 33.114 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

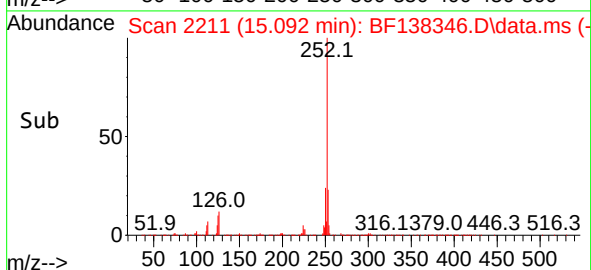
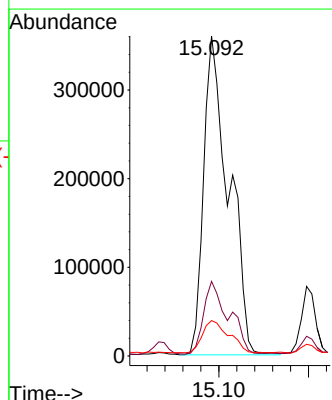
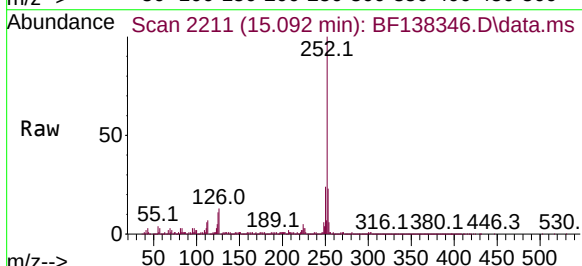
Tgt Ion:252 Resp: 699831

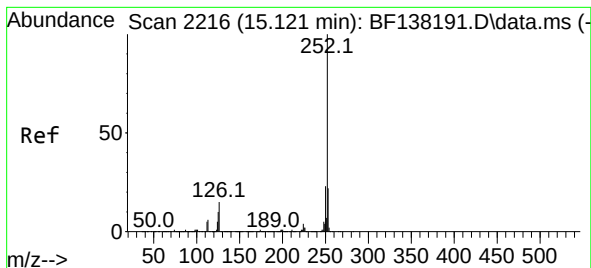
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 11.1 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 33.789 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

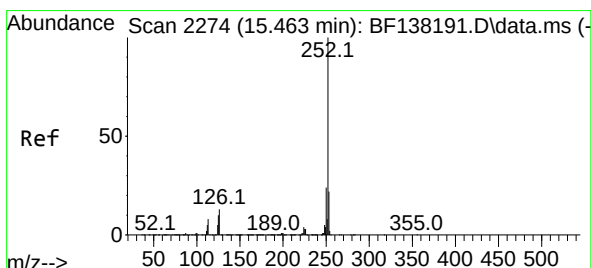
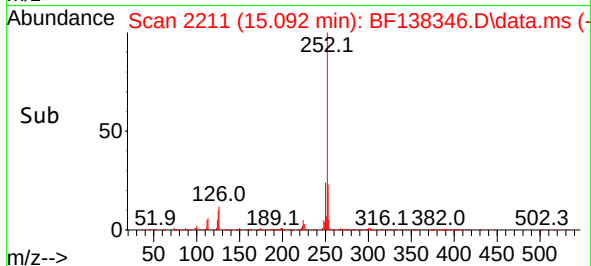
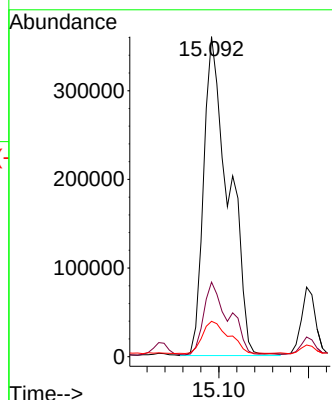
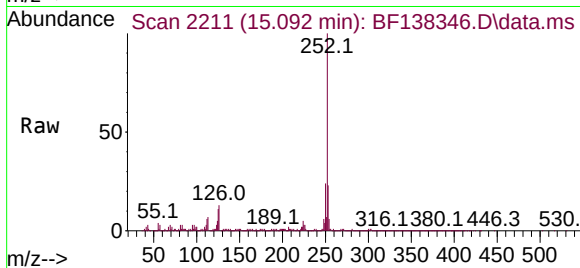
Tgt Ion:252 Resp: 699831

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 11.1 8.0 12.0



#90

Benzo(a)pyrene

Concen: 20.767 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

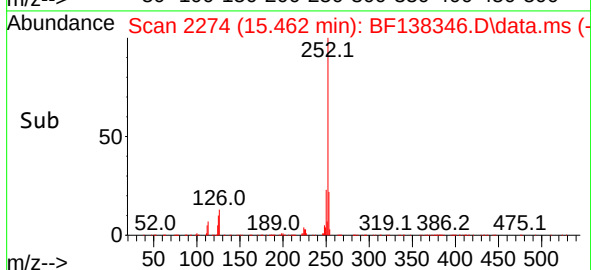
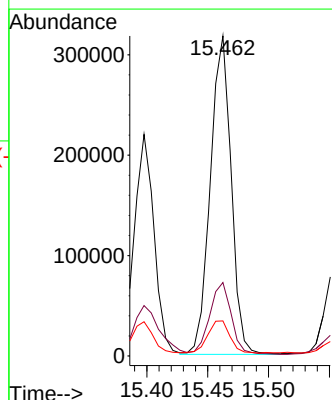
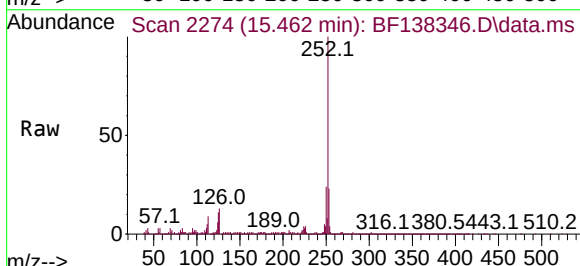
Tgt Ion:252 Resp: 377041

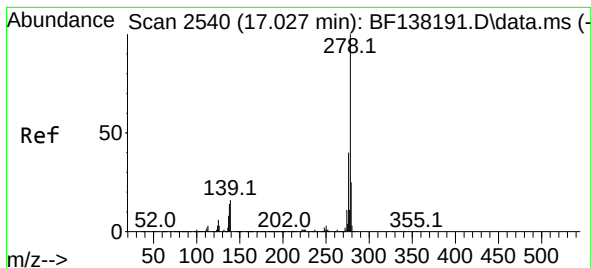
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.0 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 2.563 ng

RT: 17.192 min Scan# 2568

Delta R.T. 0.165 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Instrument :

BNA_F

ClientSampleId :

WC-WS-6-21-24

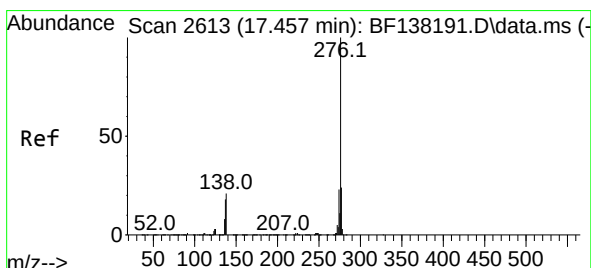
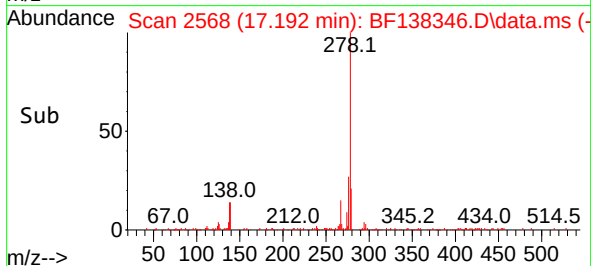
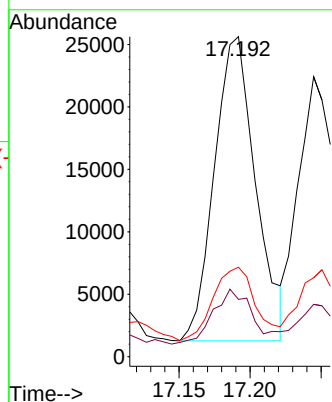
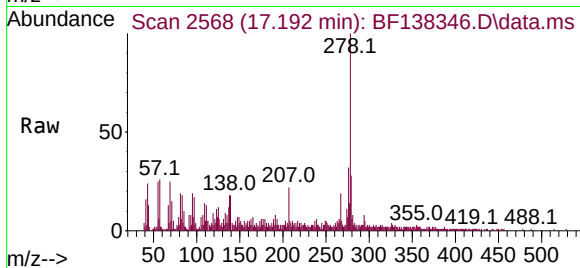
Tgt Ion:278 Resp: 49145

Ion Ratio Lower Upper

278 100

139 17.9 12.9 19.3

279 28.0 19.9 29.9



#92

Benzo(g,h,i)perylene

Concen: 11.759 ng

RT: 17.456 min Scan# 2613

Delta R.T. -0.000 min

Lab File: BF138346.D

Acq: 25 Jun 2024 21:08

Tgt Ion:276 Resp: 233270

Ion Ratio Lower Upper

276 100

277 23.5 19.5 29.3

138 20.3 16.6 24.8

