

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138342.D
 Acq On : 25 Jun 2024 19:08
 Operator : CG\JU
 Sample : P3021-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-008

Quant Time: Jun 26 01:01:45 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

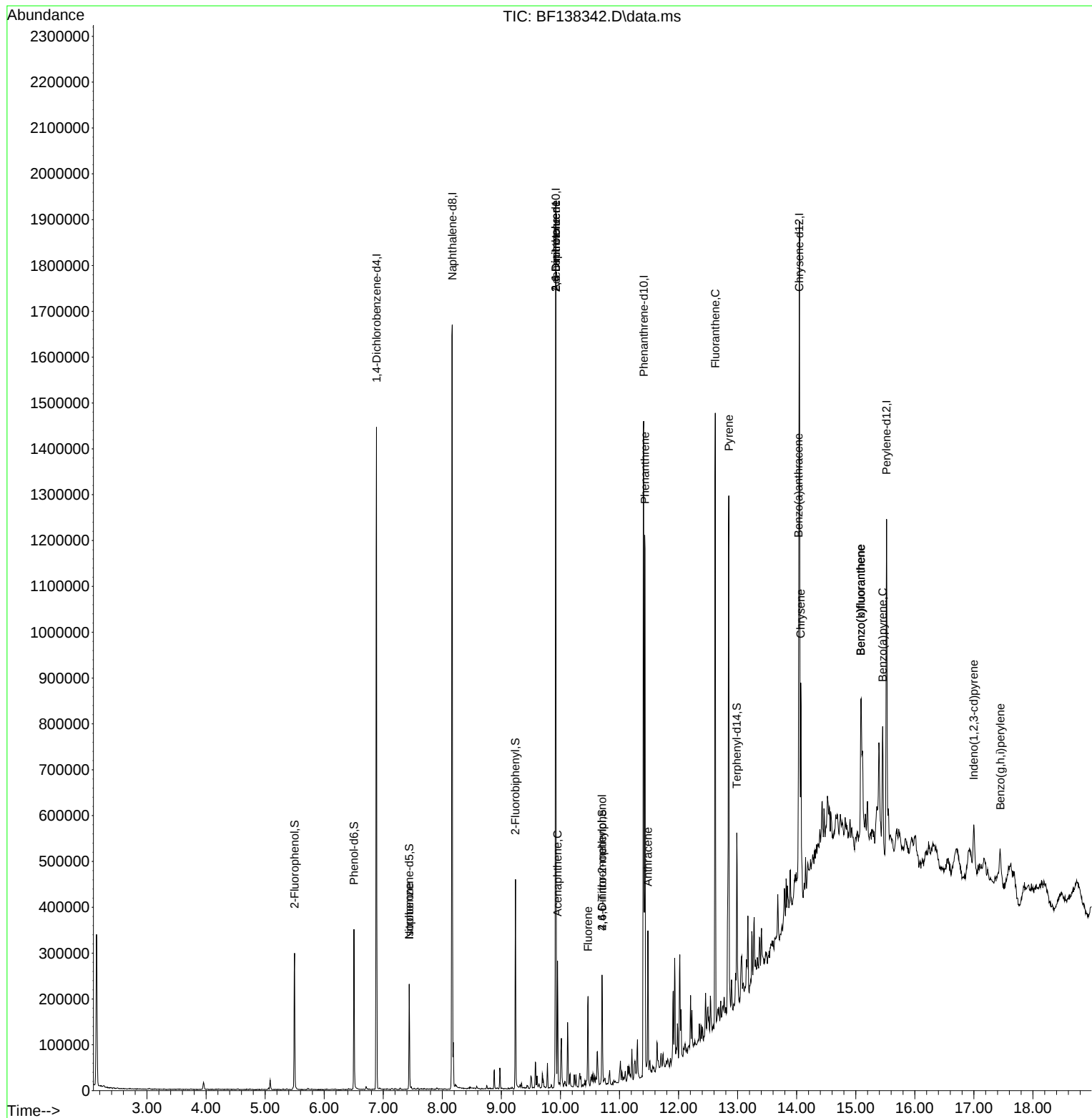
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	208736	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	769472	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	372355	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	565569	20.000	ng	0.00
76) Chrysene-d12	14.045	240	401041	20.000	ng	0.00
86) Perylene-d12	15.521	264	339143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	86194	6.908	ng	-0.01
7) Phenol-d6	6.504	99	106376	6.723	ng	-0.02
23) Nitrobenzene-d5	7.439	82	62638	4.739	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	21763	5.871	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	131565	5.619	ng	-0.01
79) Terphenyl-d14	12.986	244	128281	5.066	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.439	82	61617	2.577	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	48542	9.808	ng	# 25
52) Acenaphthene	9.951	154	48589	2.353	ng	95
57) 2,4-Dinitrotoluene	9.922	165	48542	7.952	ng	# 31
58) Fluorene	10.469	166	53754	2.369	ng	99
65) 4,6-Dinitro-2-methylph...	10.704	198	91	6.961	ng	# 1
71) Phenanthrene	11.433	178	447821	16.011	ng	97
72) Anthracene	11.480	178	109194	3.932	ng	98
75) Fluoranthene	12.621	202	529768	18.575	ng	97
78) Pyrene	12.851	202	466656	13.490	ng	98
81) Benzo(a)anthracene	14.033	228	211019	8.202	ng	98
83) Chrysene	14.068	228	185685	7.572	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	74850	3.386	ng	96
88) Benzo(b)fluoranthene	15.086	252	252953	12.648	ng	# 95
89) Benzo(k)fluoranthene	15.086	252	252953	12.906	ng	# 96
90) Benzo(a)pyrene	15.457	252	130481	7.594	ng	# 97
92) Benzo(g,h,i)perylene	17.451	276	67286	3.584	ng	97

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

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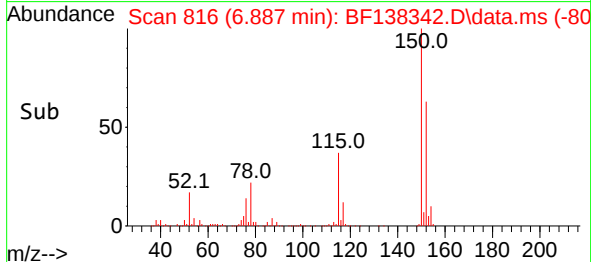
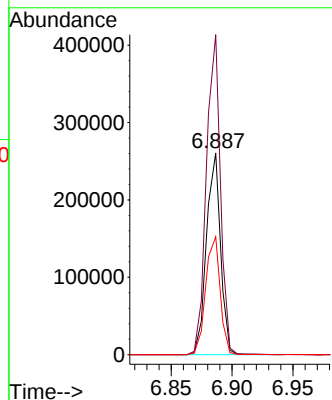
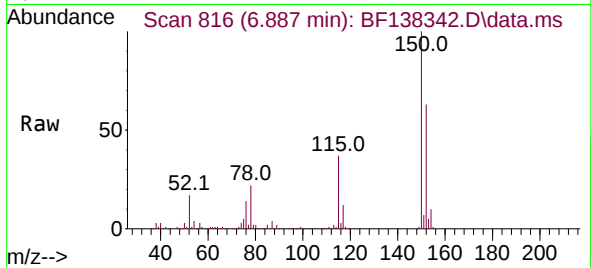




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

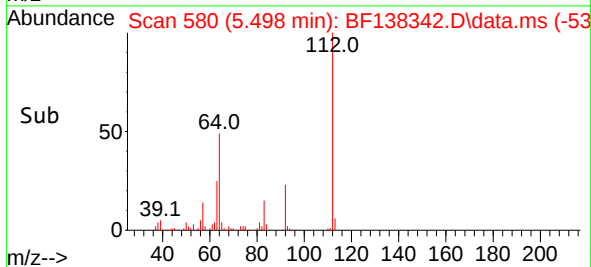
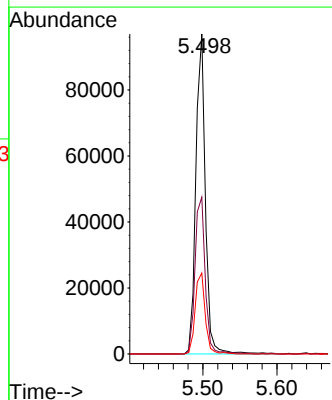
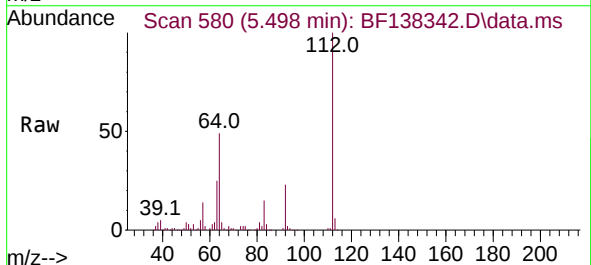
Instrument :
BNA_F
ClientSampleId :
ARS20-008

Tgt Ion:152 Resp: 208736
Ion Ratio Lower Upper
152 100
150 158.6 125.0 187.4
115 58.4 48.4 72.6



#5
2-Fluorophenol
Concen: 6.908 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:112 Resp: 86194
Ion Ratio Lower Upper
112 100
64 49.0 45.2 67.8
63 25.3 22.9 34.3





#7

Phenol-d6

Concen: 6.723 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

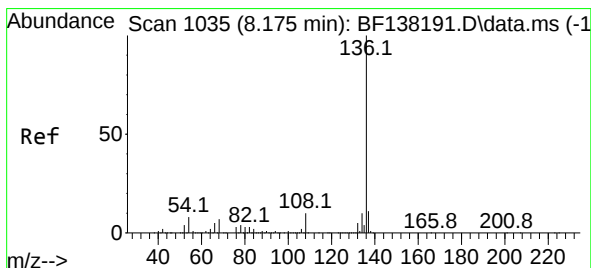
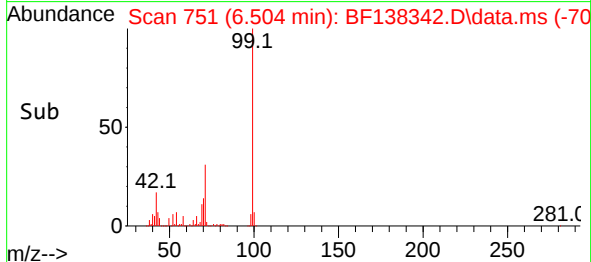
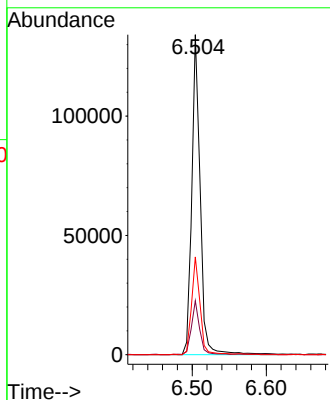
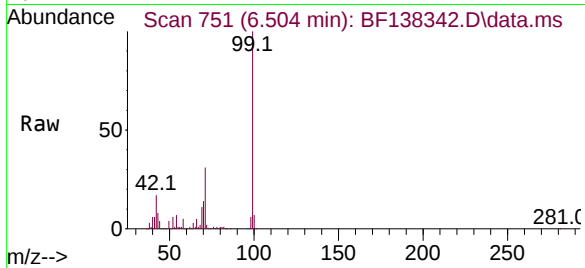
Tgt Ion: 99 Resp: 106376

Ion Ratio Lower Upper

99 100

42 16.8 13.7 20.5

71 30.5 25.0 37.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Tgt Ion: 136 Resp: 769472

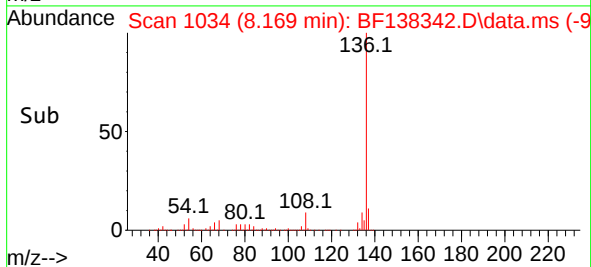
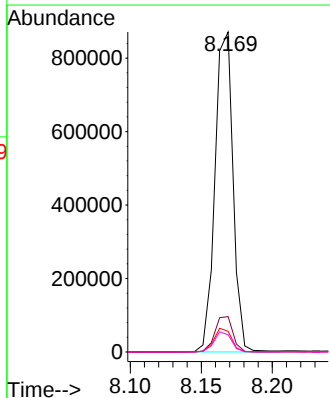
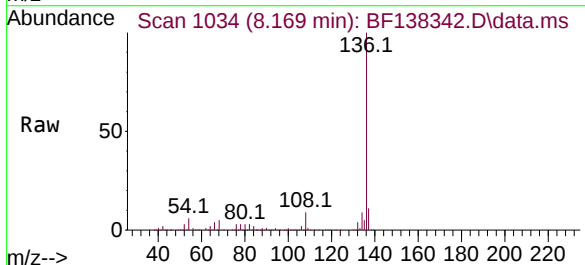
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.5 6.6 10.0#

68 5.4 5.4 8.2#





#23

Nitrobenzene-d5

Concen: 4.739 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.018 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

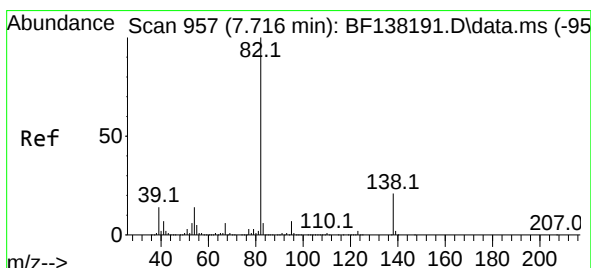
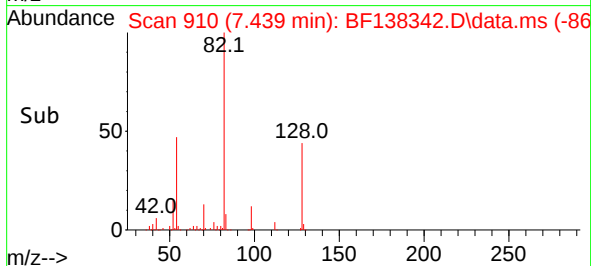
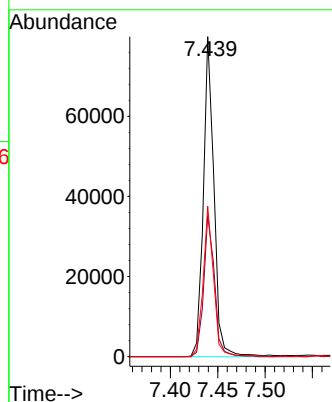
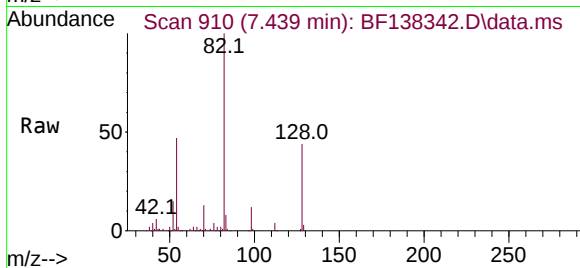
Tgt Ion: 82 Resp: 62638

Ion Ratio Lower Upper

82 100

128 44.1 37.2 55.8

54 47.0 39.8 59.6



#25

Isophorone

Concen: 2.577 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.277 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

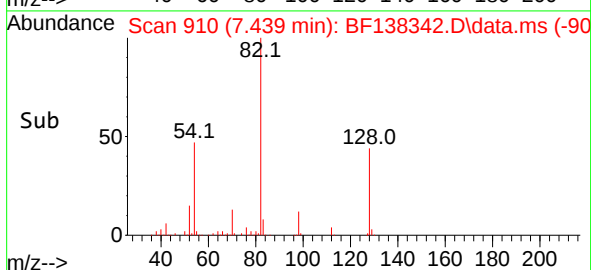
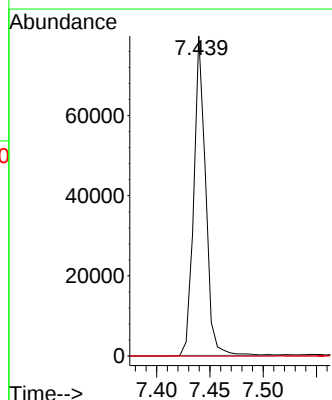
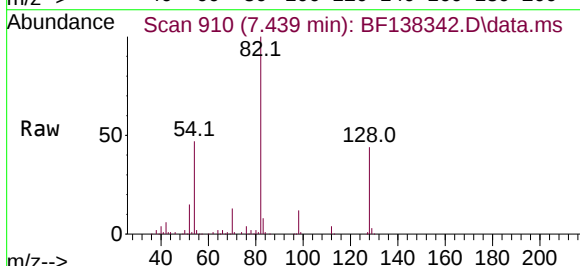
Tgt Ion: 82 Resp: 61617

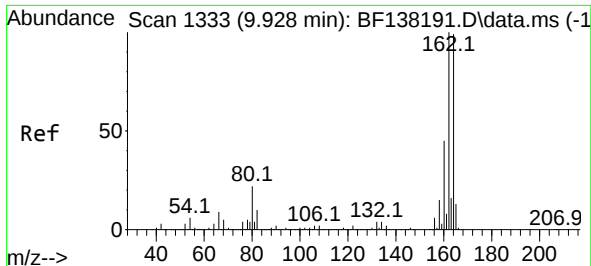
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 16.4 24.6#

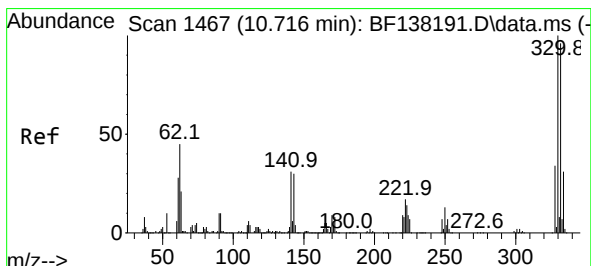
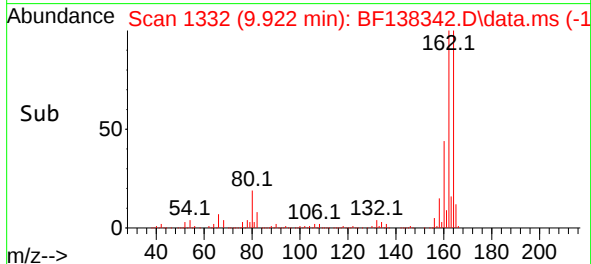
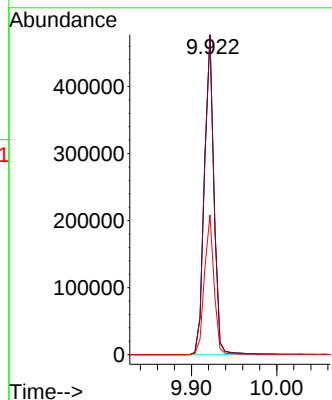
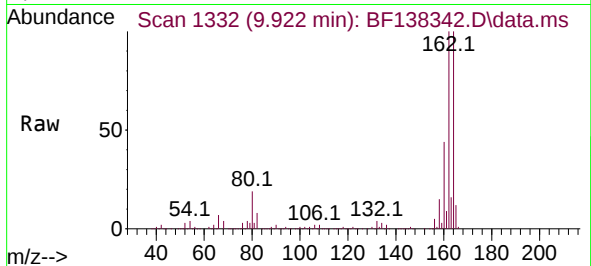




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

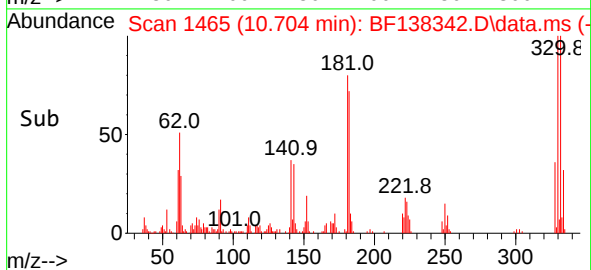
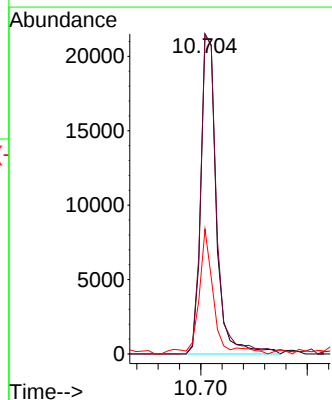
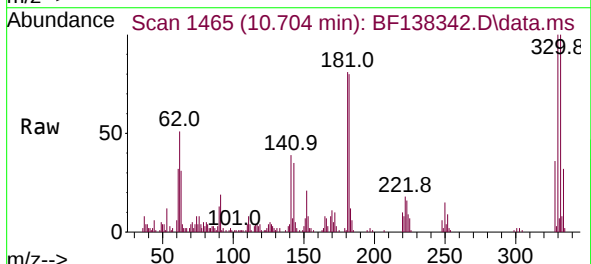
Instrument :
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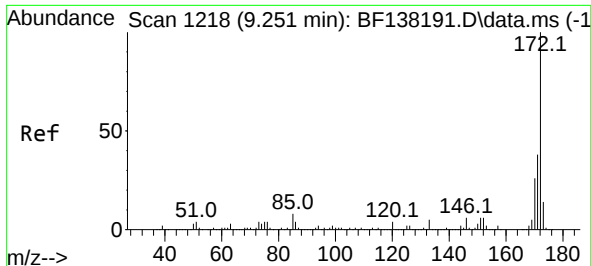
Tgt Ion:164 Resp: 372355
Ion Ratio Lower Upper
164 100
162 99.8 80.6 121.0
160 43.6 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 5.871 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:330 Resp: 21763
Ion Ratio Lower Upper
330 100
332 103.5 76.6 115.0
141 37.0 23.9 35.9#





#45

2-Fluorobiphenyl

Concen: 5.619 ng

RT: 9.239 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

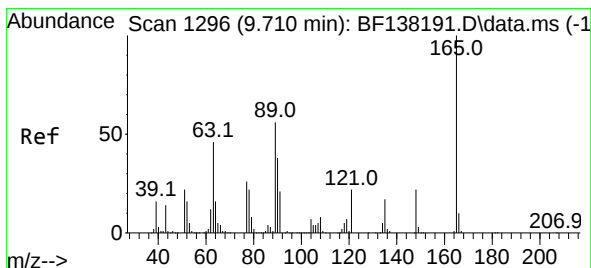
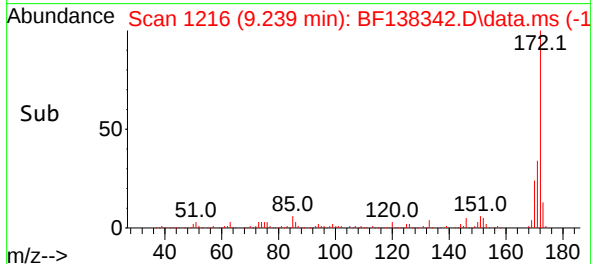
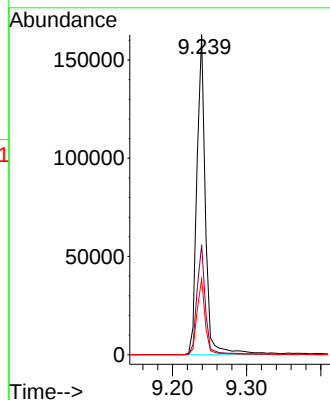
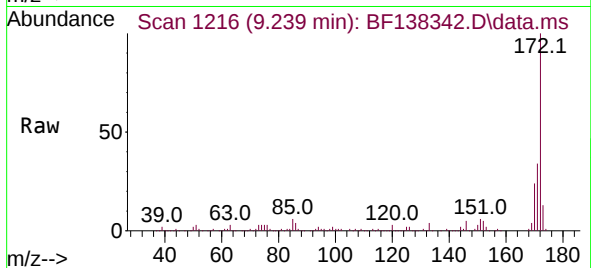
Tgt Ion:172 Resp: 131565

Ion Ratio Lower Upper

172 100

171 34.3 30.3 45.5

170 23.6 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 9.808 ng

RT: 9.922 min Scan# 1332

Delta R.T. 0.212 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

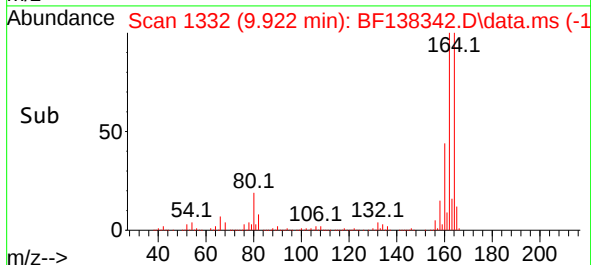
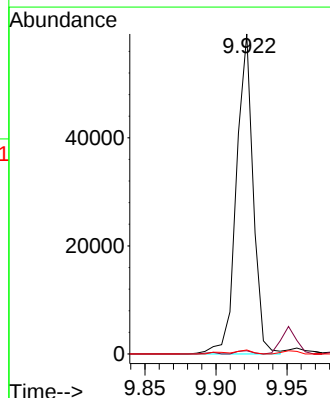
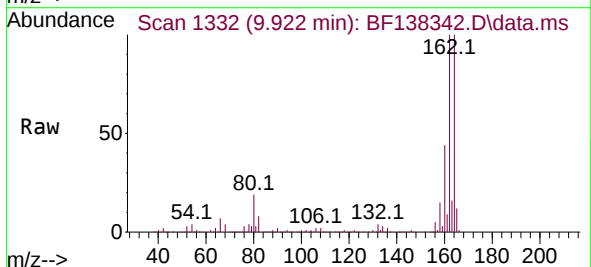
Tgt Ion:165 Resp: 48542

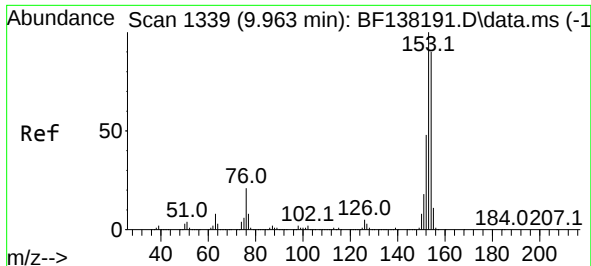
Ion Ratio Lower Upper

165 100

63 1.0 43.7 65.5#

89 1.2 44.9 67.3#

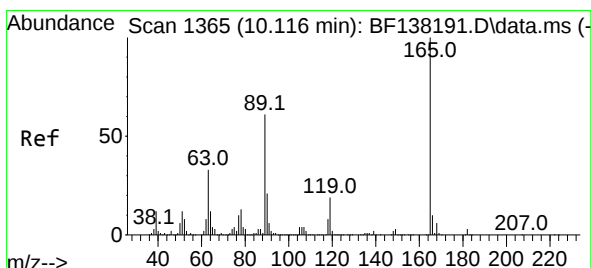
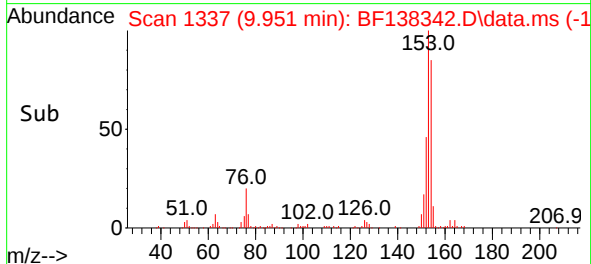
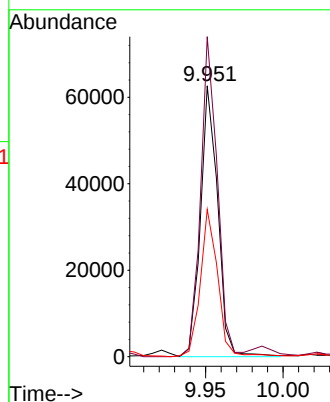
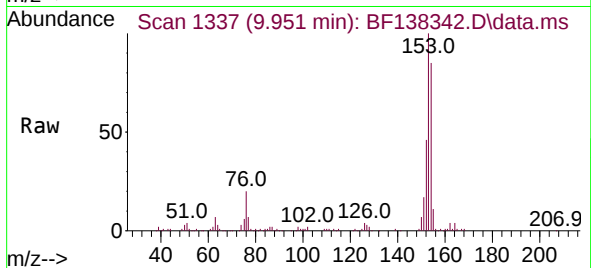




#52
Acenaphthene
Concen: 2.353 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

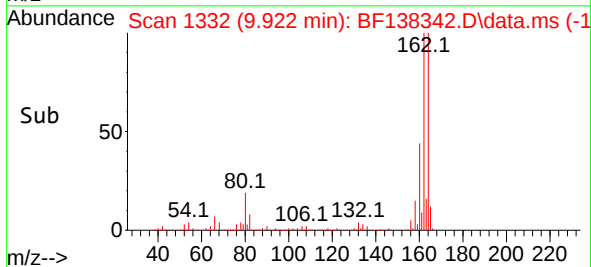
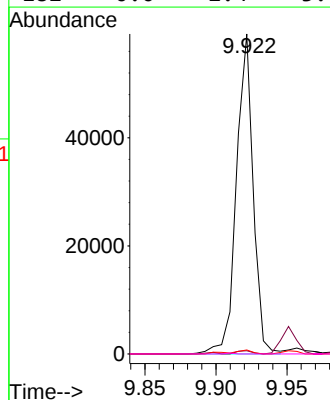
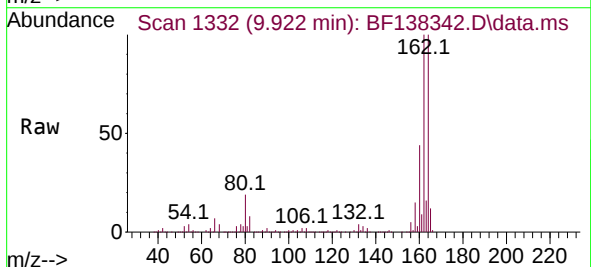
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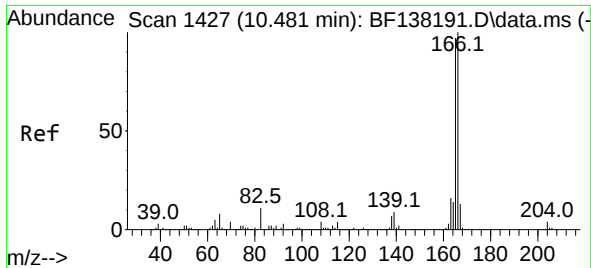
Tgt Ion:154 Resp: 48589
Ion Ratio Lower Upper
154 100
153 118.1 89.1 133.7
152 54.3 42.4 63.6



#57
2,4-Dinitrotoluene
Concen: 7.952 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.194 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:165 Resp: 48542
Ion Ratio Lower Upper
165 100
63 1.0 26.6 39.8#
89 1.2 48.7 73.1#
182 0.0 2.4 3.6#

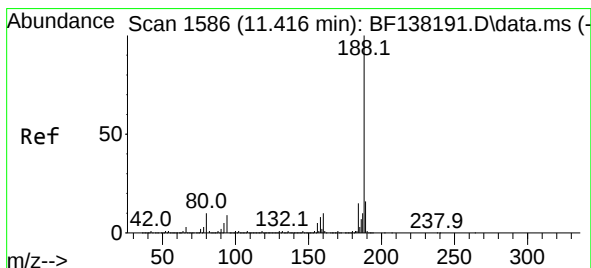
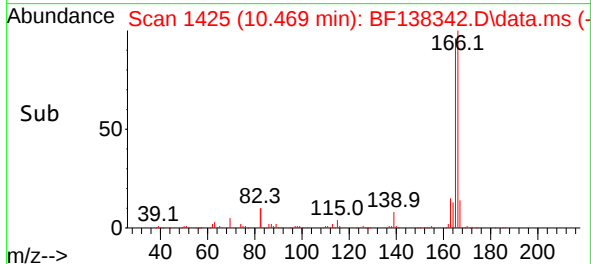
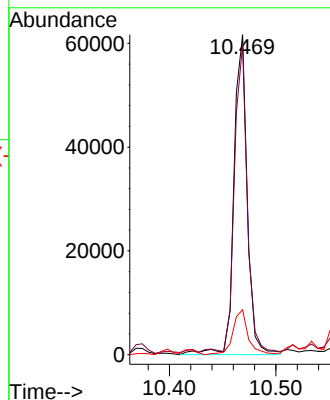
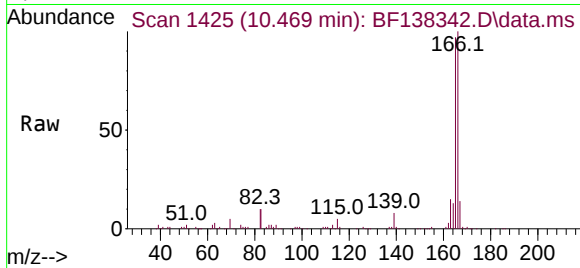




#58
 Fluorene
 Concen: 2.369 ng
 RT: 10.469 min Scan# 1425
 Delta R.T. -0.012 min
 Lab File: BF138342.D
 Acq: 25 Jun 2024 19:08

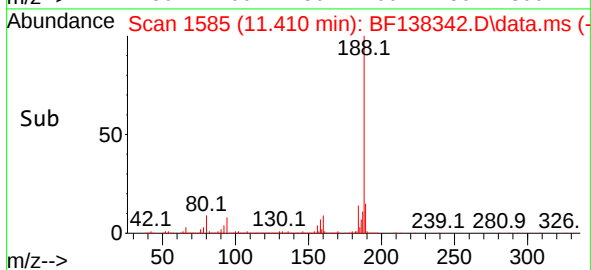
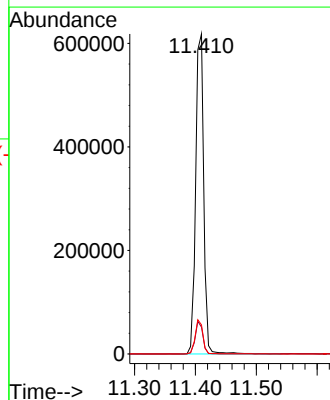
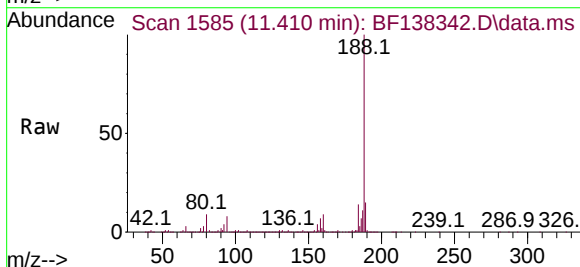
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-008

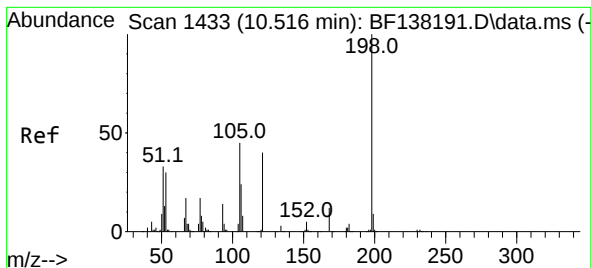
Tgt Ion:166 Resp: 53754
 Ion Ratio Lower Upper
 166 100
 165 96.8 77.9 116.9
 167 14.1 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF138342.D
 Acq: 25 Jun 2024 19:08

Tgt Ion:188 Resp: 565569
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.6 11.4
 80 9.1 8.1 12.1

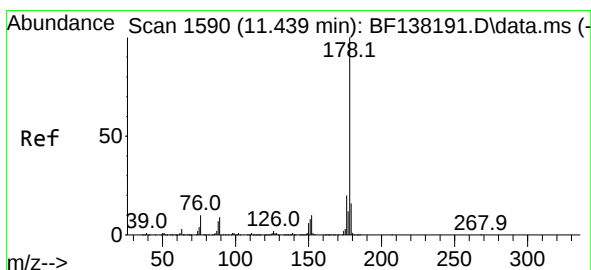
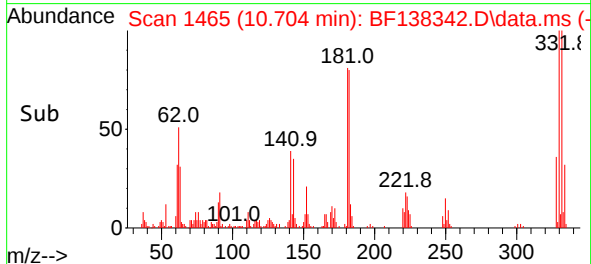
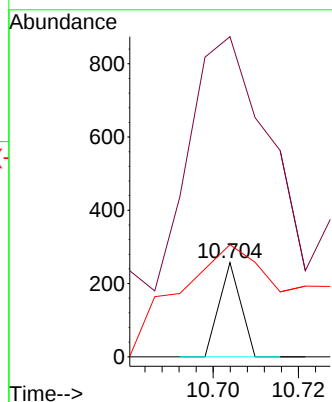
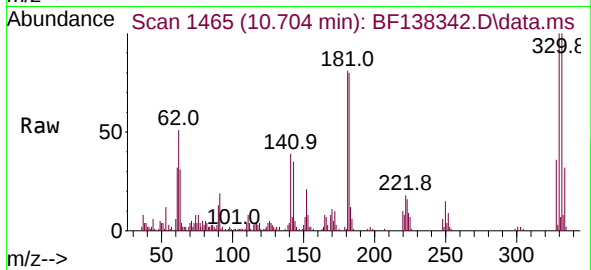




#65
4,6-Dinitro-2-methylphenol
Concen: 6.961 ng
RT: 10.704 min Scan# 1433
Delta R.T. 0.188 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

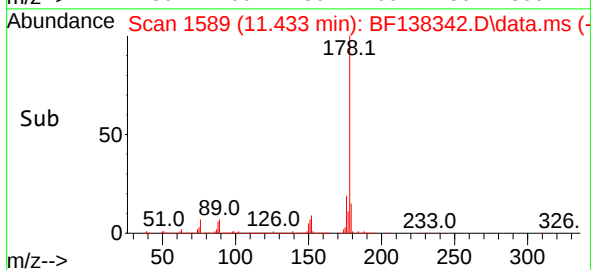
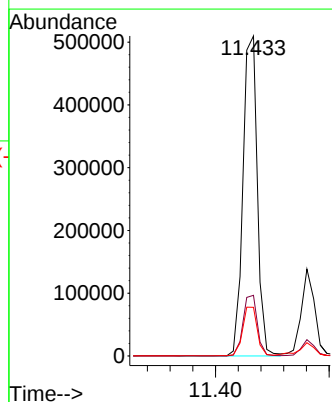
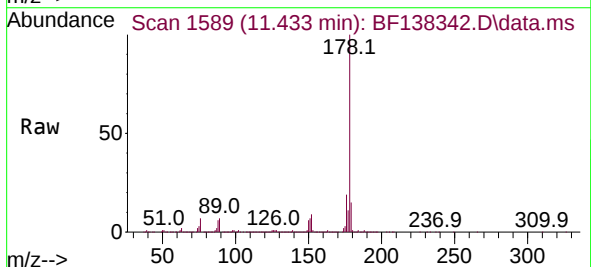
Instrument :
BNA_F
ClientSampleId :
ARS20-008

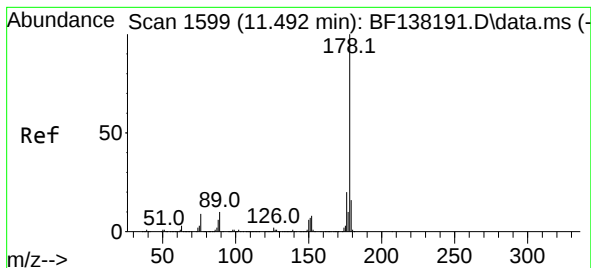
Tgt Ion:198 Resp: 91
Ion Ratio Lower Upper
198 100
51 340.1 26.9 66.9#
105 119.1 26.0 66.0#



#71
Phenanthrene
Concen: 16.011 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:178 Resp: 447821
Ion Ratio Lower Upper
178 100
176 18.9 16.4 24.6
179 15.2 13.1 19.7





#72

Anthracene

Concen: 3.932 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

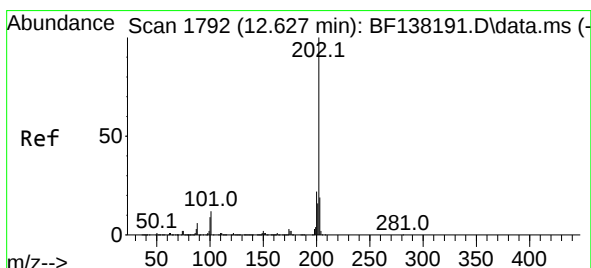
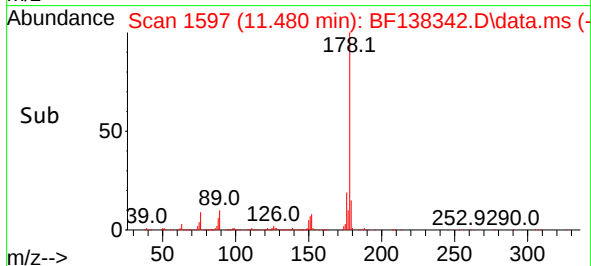
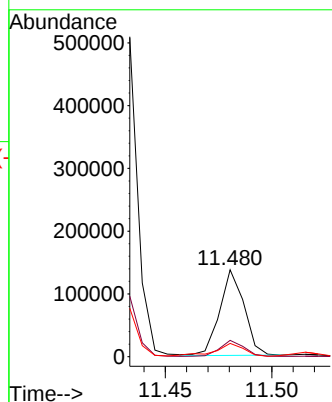
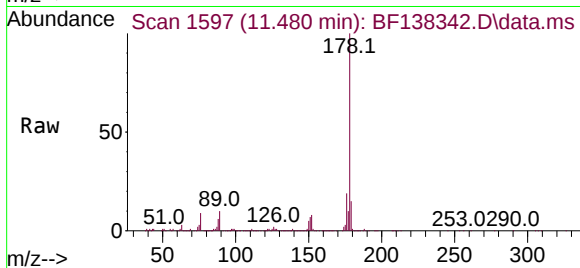
Tgt Ion:178 Resp: 109194

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

179 15.4 13.0 19.6



#75

Fluoranthene

Concen: 18.575 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

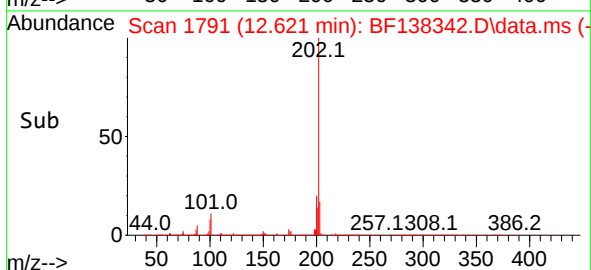
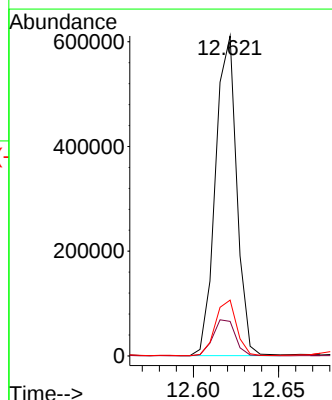
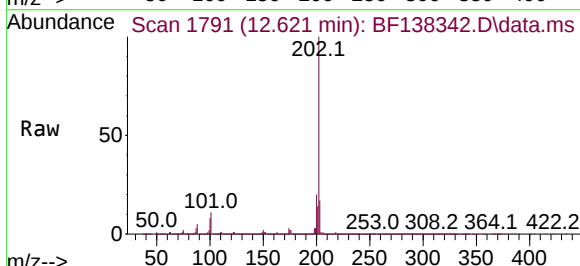
Tgt Ion:202 Resp: 529768

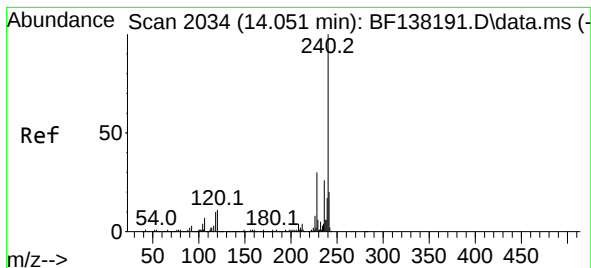
Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.8

203 17.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

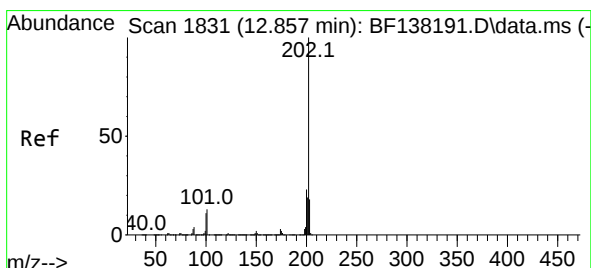
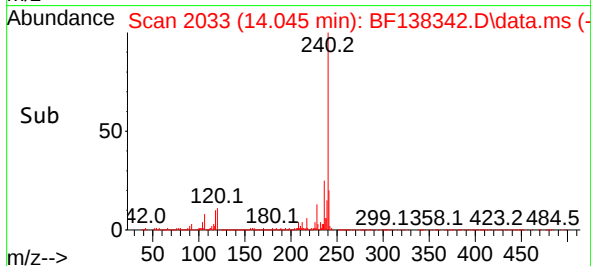
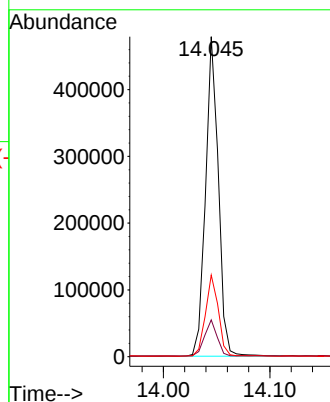
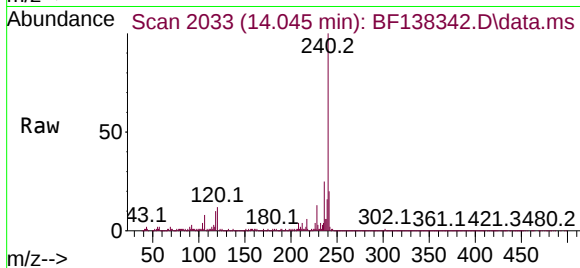
Tgt Ion:240 Resp: 401041

Ion Ratio Lower Upper

240 100

120 11.5 9.2 13.8

236 25.5 21.0 31.6



#78

Pyrene

Concen: 13.490 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

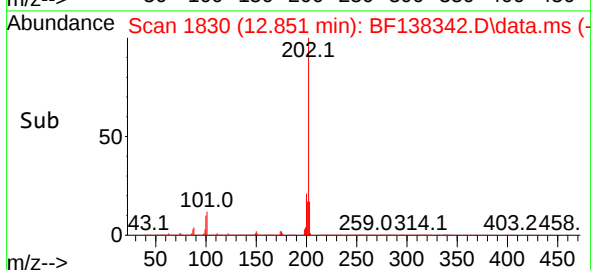
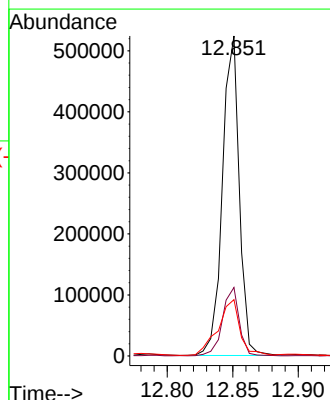
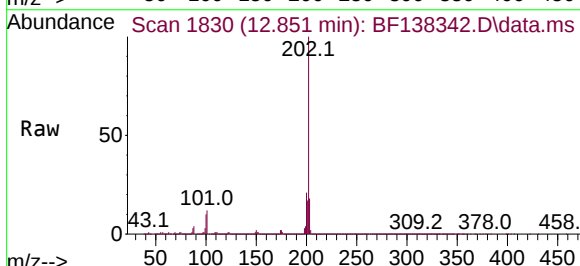
Tgt Ion:202 Resp: 466656

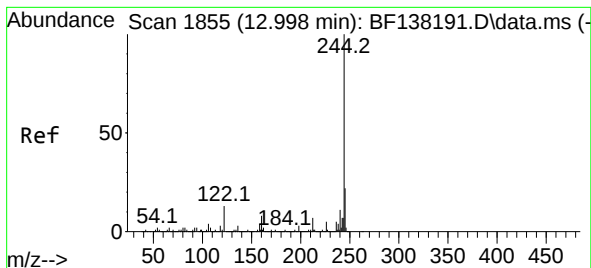
Ion Ratio Lower Upper

202 100

200 21.4 18.0 27.0

203 17.6 14.7 22.1





#79

Terphenyl-d14

Concen: 5.066 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

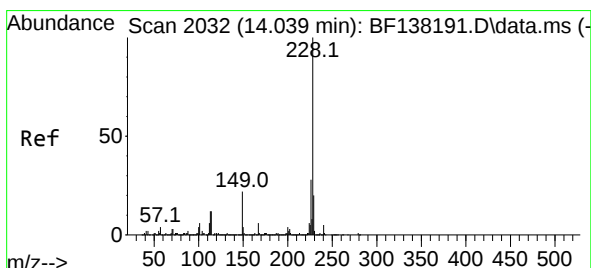
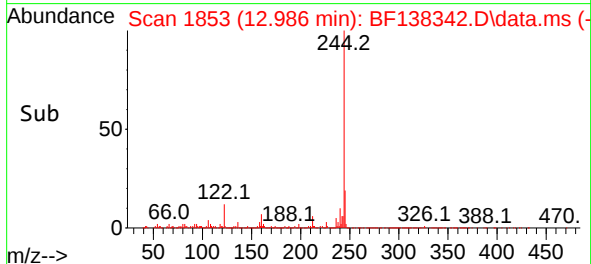
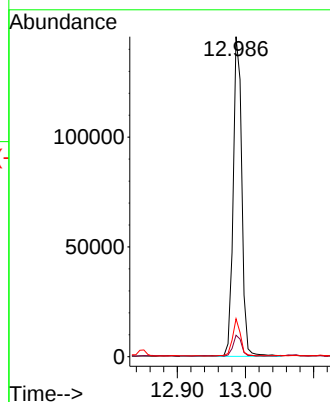
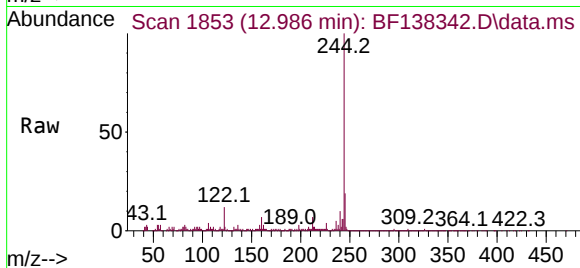
Tgt Ion:244 Resp: 128281

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 11.8 10.6 15.8



#81

Benzo(a)anthracene

Concen: 8.202 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

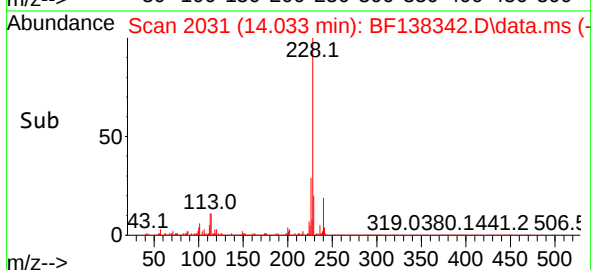
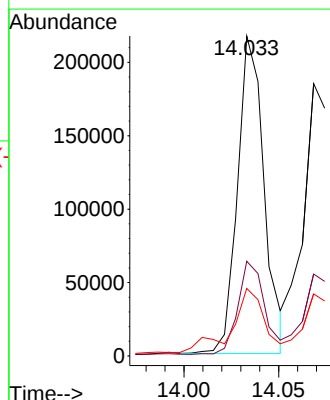
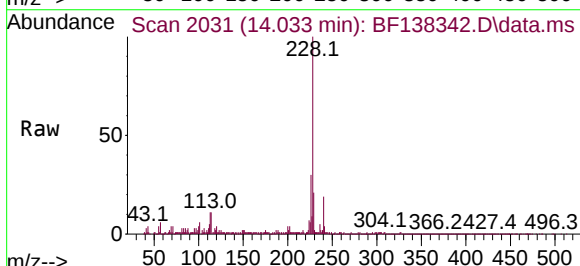
Tgt Ion:228 Resp: 211019

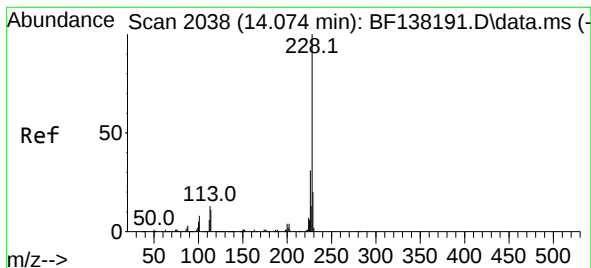
Ion Ratio Lower Upper

228 100

226 29.6 22.5 33.7

229 21.1 16.3 24.5





#83

Chrysene

Concen: 7.572 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

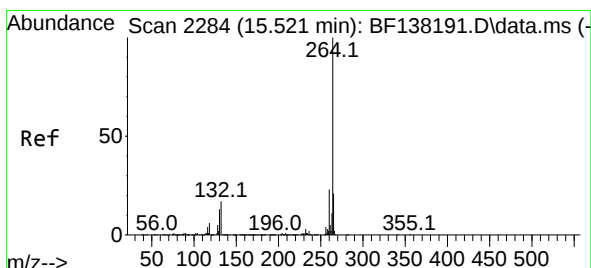
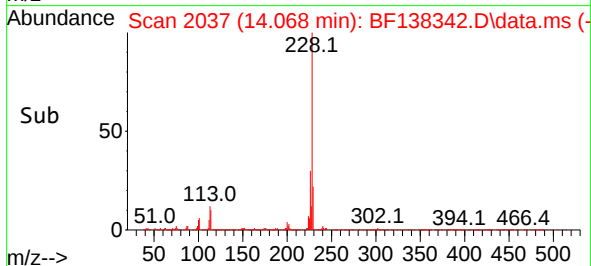
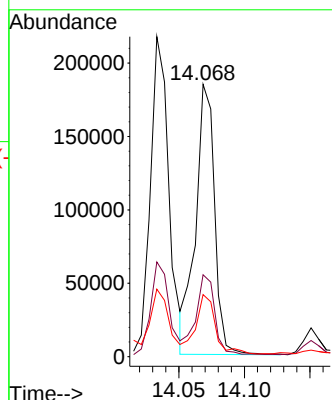
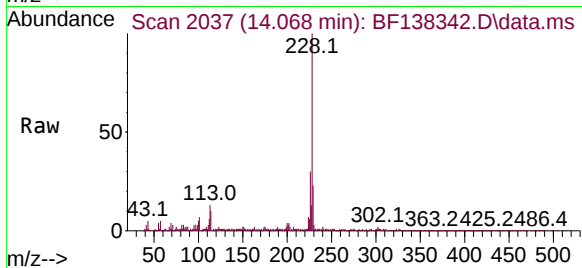
Tgt Ion:228 Resp: 185685

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

229 22.8 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2284

Delta R.T. -0.000 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

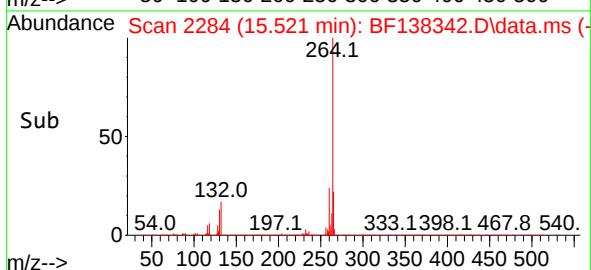
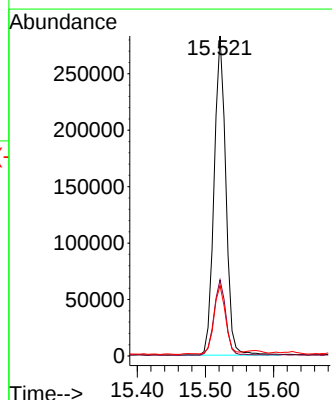
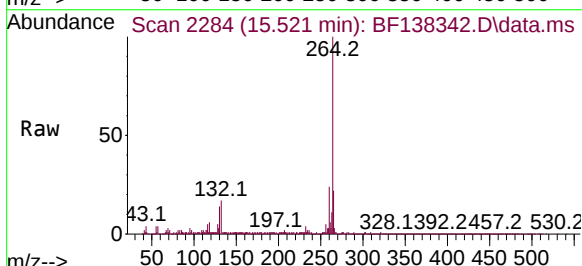
Tgt Ion:264 Resp: 339143

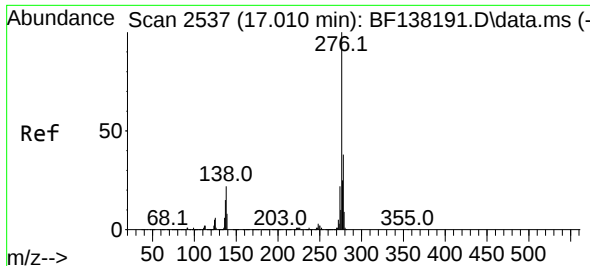
Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.0 17.0 25.6

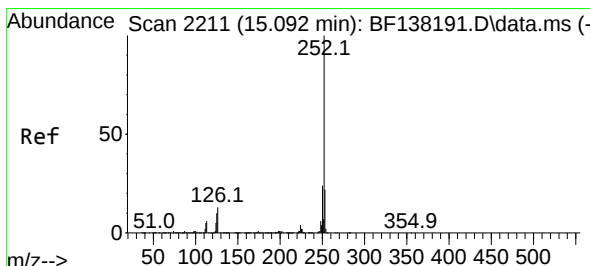
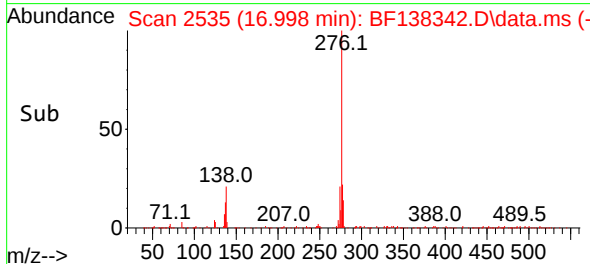
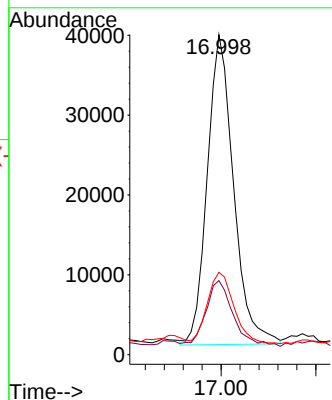
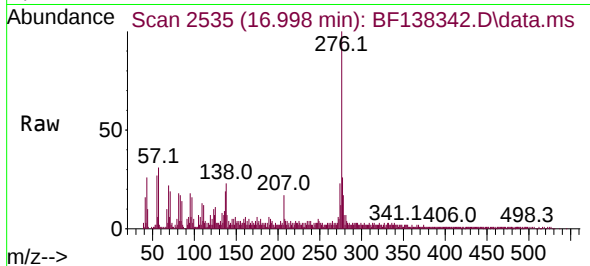




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.386 ng
RT: 16.998 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

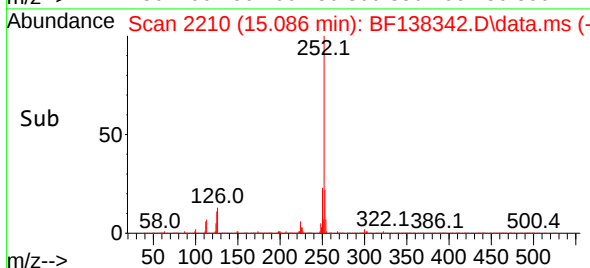
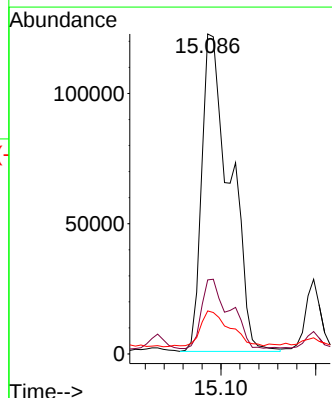
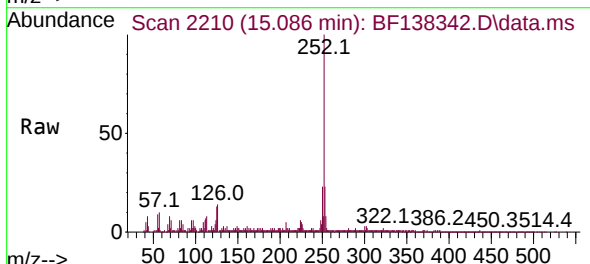
Instrument :
BNA_F
ClientSampleId :
ARS20-008

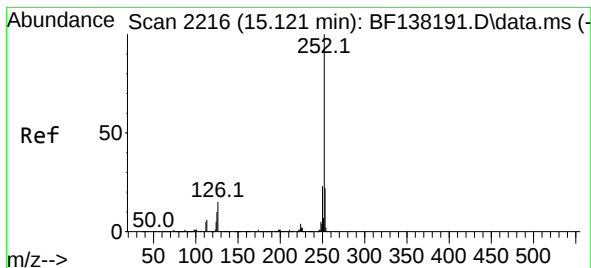
Tgt Ion:276 Resp: 74850
Ion Ratio Lower Upper
276 100
138 22.1 19.3 28.9
277 23.3 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 12.648 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF138342.D
Acq: 25 Jun 2024 19:08

Tgt Ion:252 Resp: 252953
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 13.4 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 12.906 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008

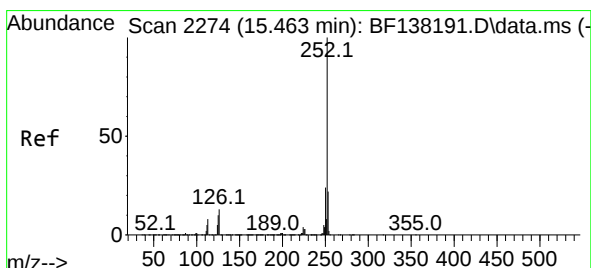
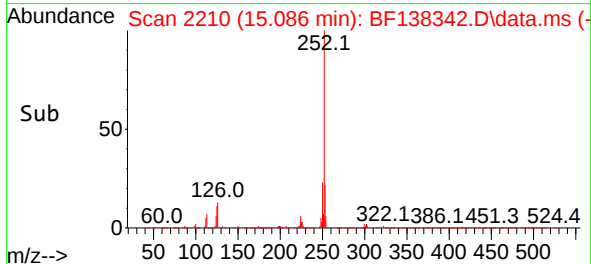
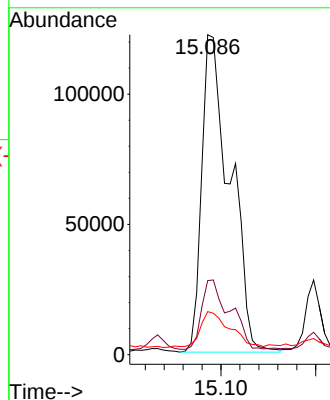
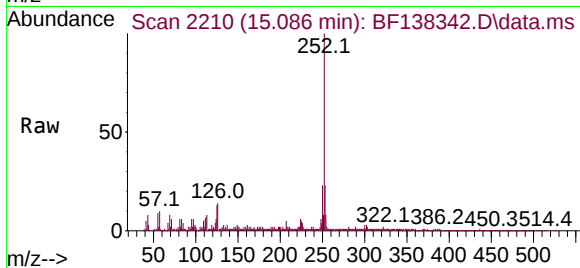
Tgt Ion:252 Resp: 252953

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 13.4 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 7.594 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138342.D

Acq: 25 Jun 2024 19:08

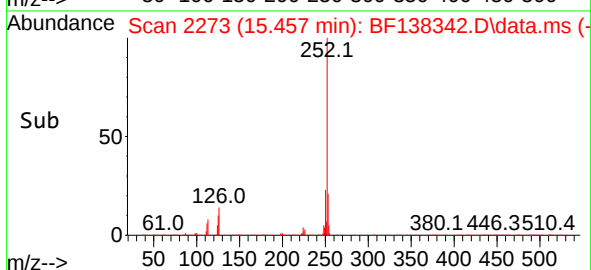
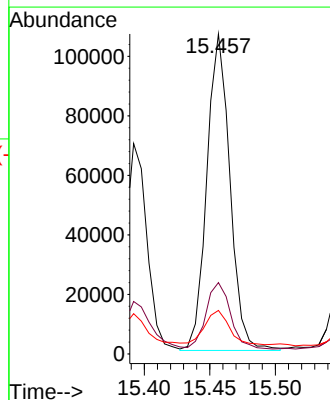
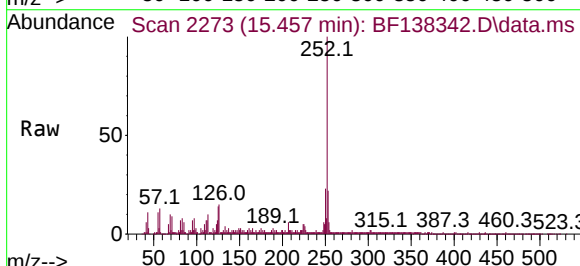
Tgt Ion:252 Resp: 130481

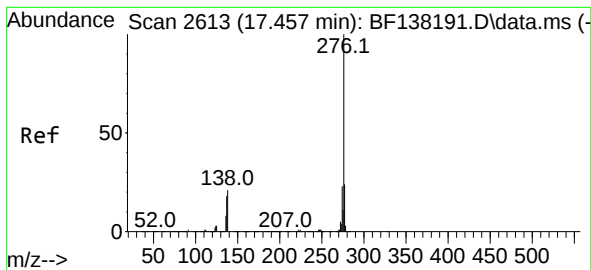
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 13.6 8.2 12.2#





#92

Benzo(g,h,i)perylene

Concen: 3.584 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138342.D

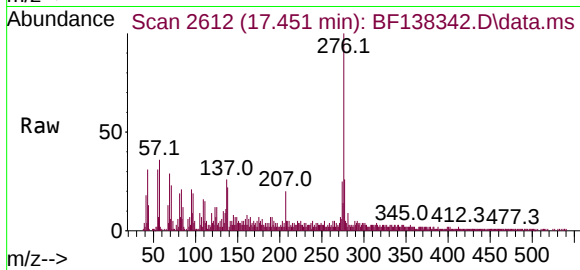
Acq: 25 Jun 2024 19:08

Instrument :

BNA_F

ClientSampleId :

ARS20-008



Tgt Ion:276 Resp: 67286

Ion Ratio Lower Upper

276 100

277 26.0 19.5 29.3

138 22.5 16.6 24.8

