

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138343.D
 Acq On : 25 Jun 2024 19:39
 Operator : CG\JU
 Sample : P3021-04 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0018

Quant Time: Jun 26 01:02:04 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)

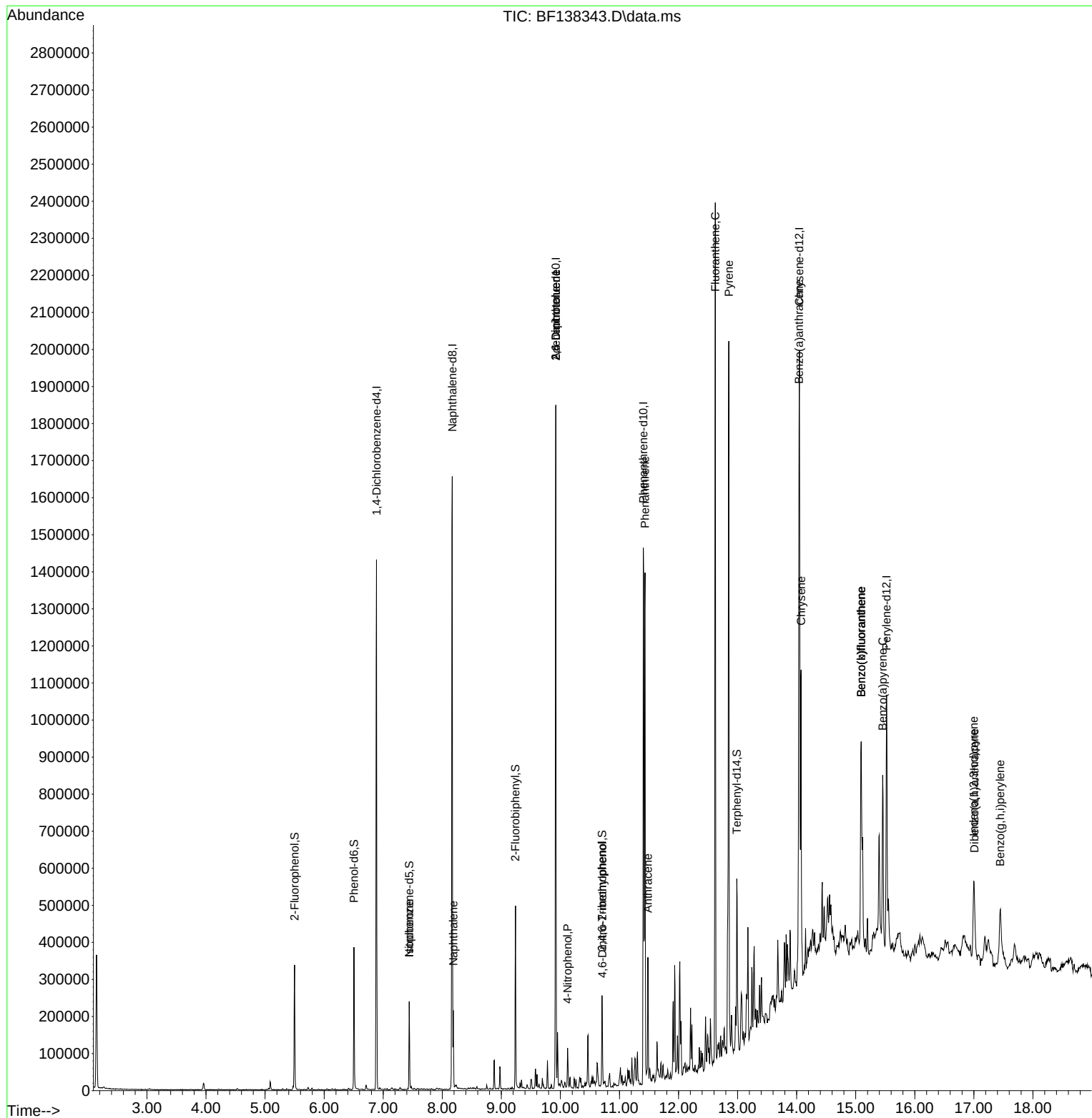
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	208026	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	740886	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	359443	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	564426	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	415456	20.000	ng	0.00
86) Perylene-d12	15.521	264	328279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	94386	7.590	ng	-0.01
7) Phenol-d6	6.504	99	114687	7.273	ng	-0.02
23) Nitrobenzene-d5	7.440	82	66044	5.190	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	23916	6.684	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	140067	6.196	ng	-0.01
79) Terphenyl-d14	12.986	244	160105	6.104	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.440	82	64462	2.800	ng	# 62
31) Naphthalene	8.187	128	73763	2.013	ng	98
51) 2,6-Dinitrotoluene	9.922	165	47378	9.916	ng	# 25
56) 4-Nitrophenol	10.122	139	12164	3.016	ng	# 11
57) 2,4-Dinitrotoluene	9.922	165	47378	8.040	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.710	198	58	6.952	ng	# 22
71) Phenanthrene	11.433	178	529374	18.965	ng	97
72) Anthracene	11.480	178	116814	4.215	ng	98
75) Fluoranthene	12.622	202	836643	29.394	ng	99
78) Pyrene	12.851	202	751515	20.971	ng	98
81) Benzo(a)anthracene	14.039	228	383942	14.405	ng	98
83) Chrysene	14.074	228	343189	13.508	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	139354	6.512	ng	95
88) Benzo(b)fluoranthene	15.092	252	424012	21.903	ng	98
89) Benzo(k)fluoranthene	15.092	252	424012	22.349	ng	98
90) Benzo(a)pyrene	15.457	252	211929	12.743	ng	# 96
91) Dibenzo(a,h)anthracene	17.010	278	36493	2.078	ng	# 90
92) Benzo(g,h,i)perylene	17.445	276	120046	6.606	ng	99

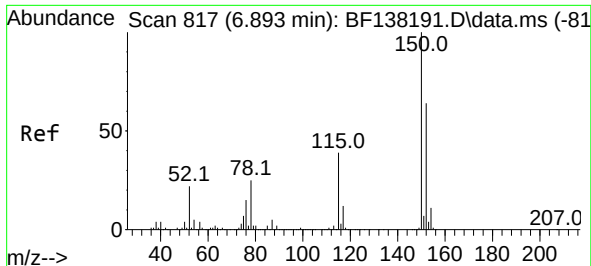
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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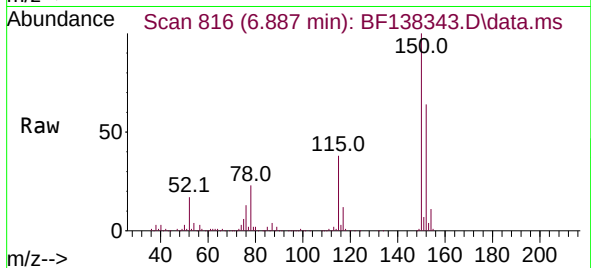
Quant Time: Jun 26 01:02:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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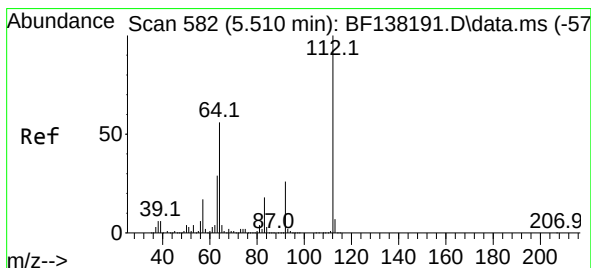
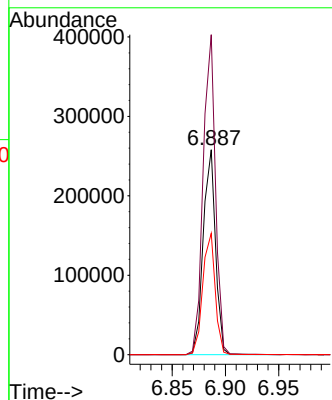
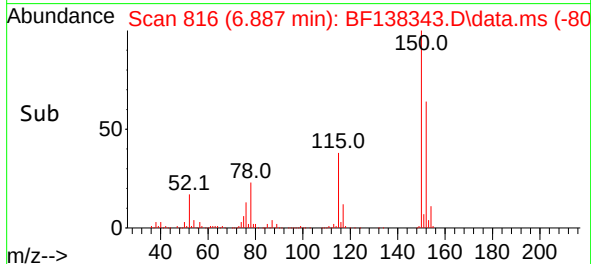


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

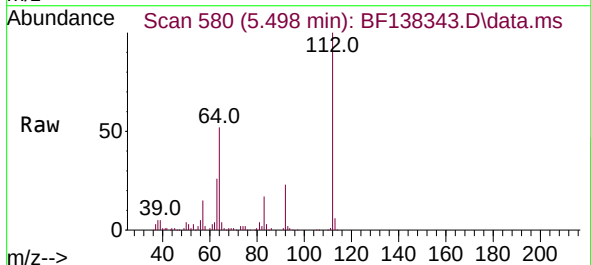
Instrument :
BNA_F
ClientSampleId :
ARS20-0018



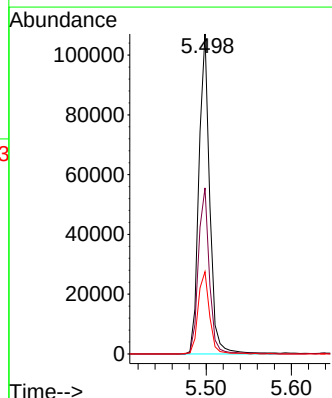
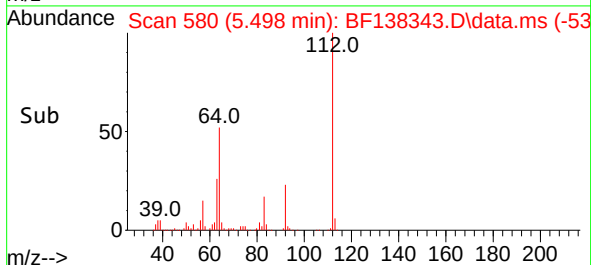
Tgt Ion:152 Resp: 208026
Ion Ratio Lower Upper
152 100
150 156.1 125.0 187.4
115 59.2 48.4 72.6

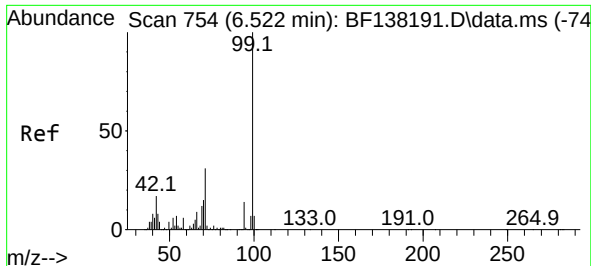


#5
2-Fluorophenol
Concen: 7.590 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39



Tgt Ion:112 Resp: 94386
Ion Ratio Lower Upper
112 100
64 51.9 45.2 67.8
63 25.7 22.9 34.3





#7

Phenol-d6

Concen: 7.273 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF138343.D

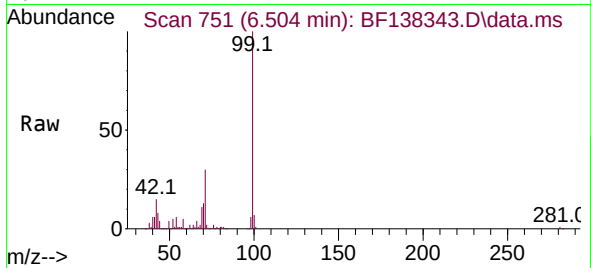
Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018



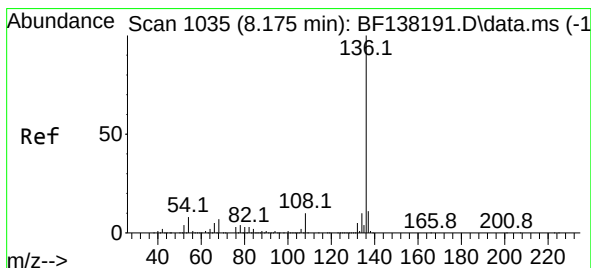
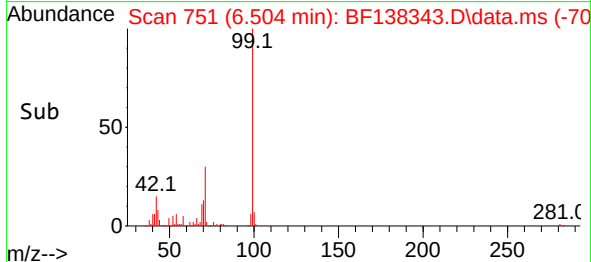
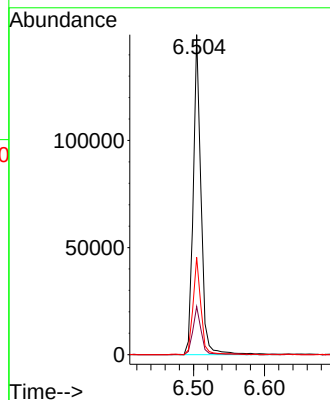
Tgt Ion: 99 Resp: 114687

Ion Ratio Lower Upper

99 100

42 15.0 13.7 20.5

71 30.4 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: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion: 136 Resp: 740886

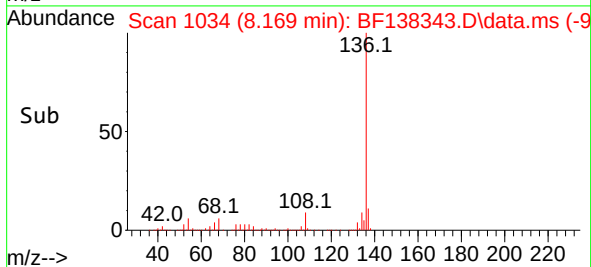
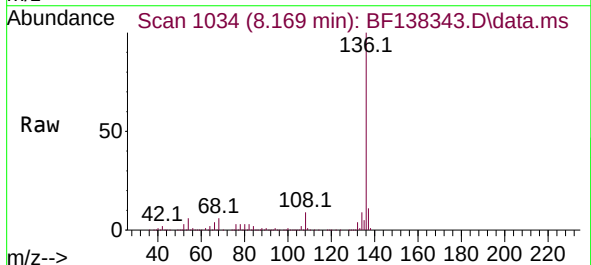
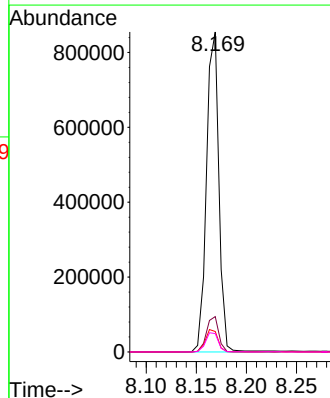
Ion Ratio Lower Upper

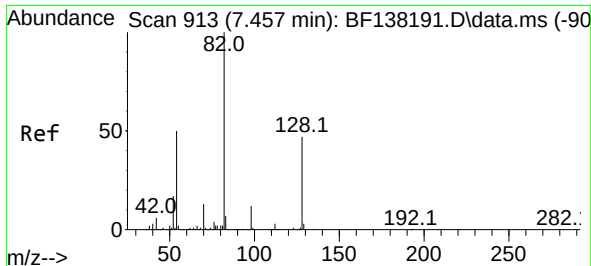
136 100

137 11.1 9.1 13.7

54 6.4 6.6 10.0#

68 5.8 5.4 8.2

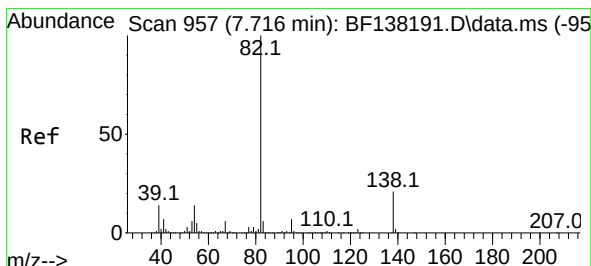
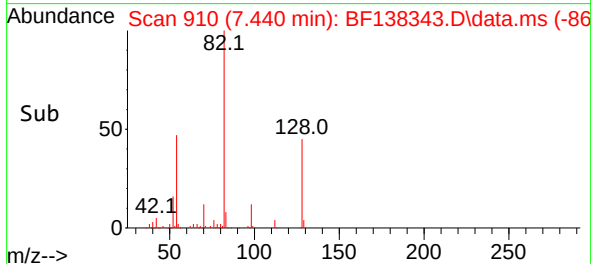
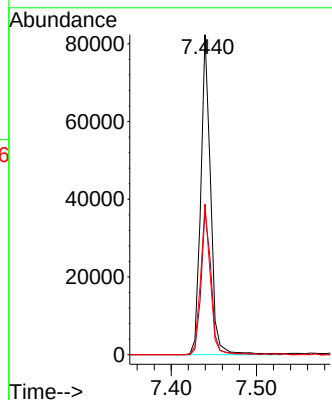
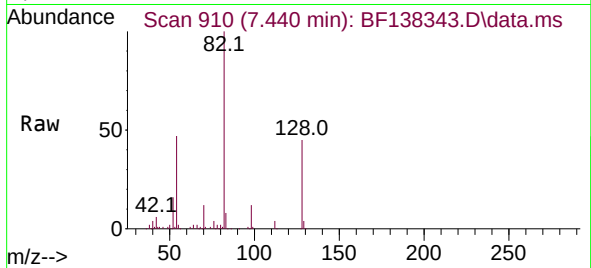




#23
Nitrobenzene-d5
Concen: 5.190 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

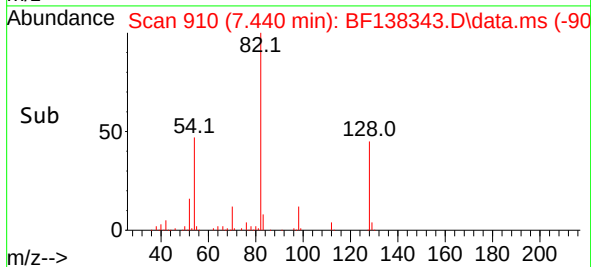
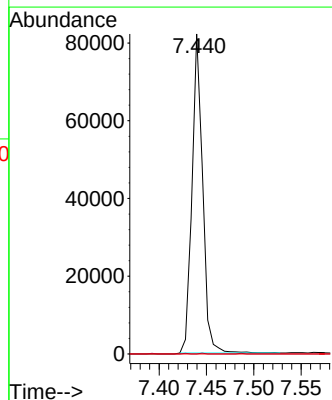
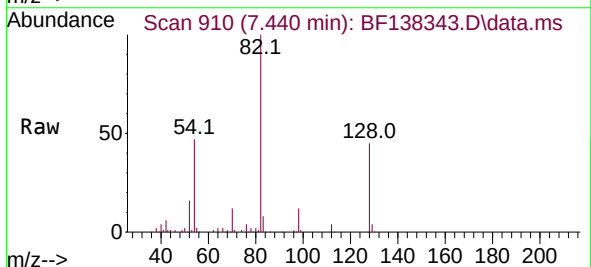
Instrument :
BNA_F
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ARS20-0018

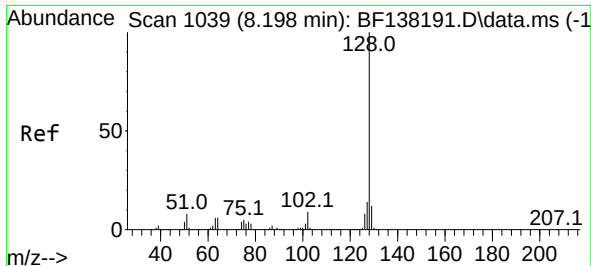
Tgt Ion: 82 Resp: 66044
Ion Ratio Lower Upper
82 100
128 44.9 37.2 55.8
54 47.1 39.8 59.6



#25
Isophorone
Concen: 2.800 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.276 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

Tgt Ion: 82 Resp: 64462
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#

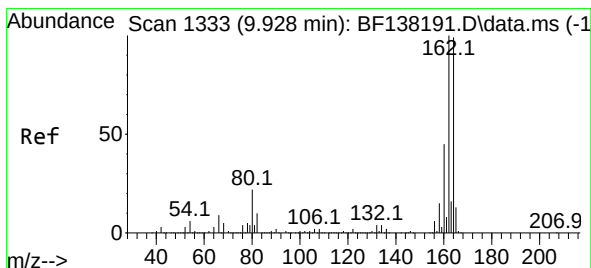
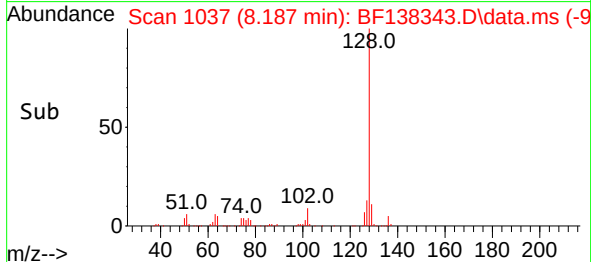
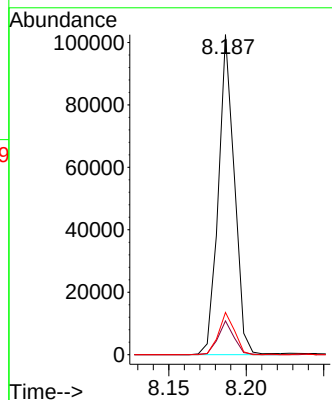
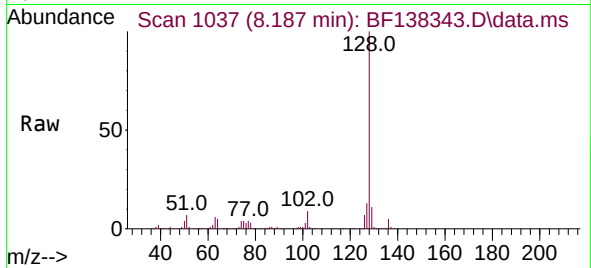




#31
Naphthalene
Concen: 2.013 ng
RT: 8.187 min Scan# 1039
Delta R.T. -0.012 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

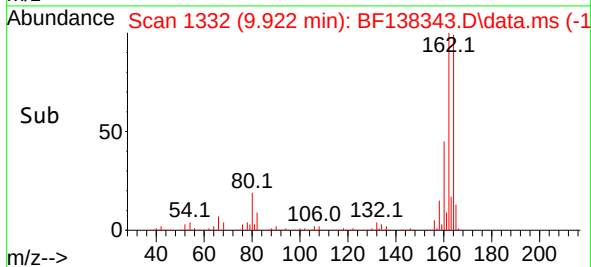
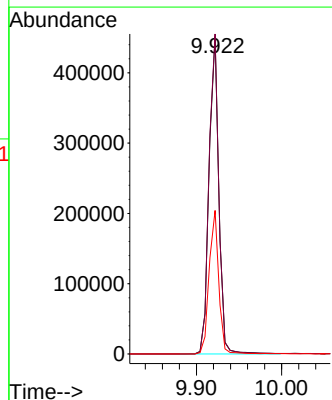
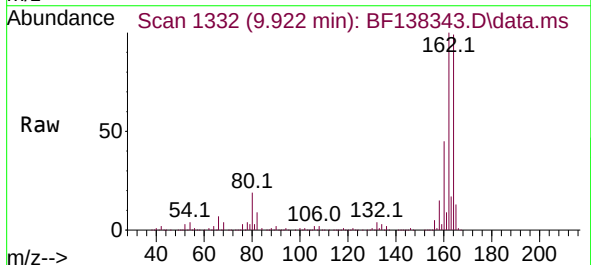
Instrument :
BNA_F
ClientSampleId :
ARS20-0018

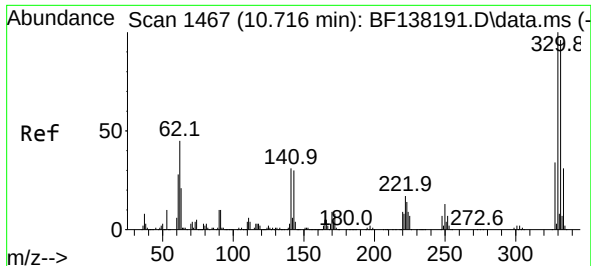
Tgt Ion:128 Resp: 73763
Ion Ratio Lower Upper
128 100
129 10.6 9.5 14.3
127 13.2 11.0 16.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

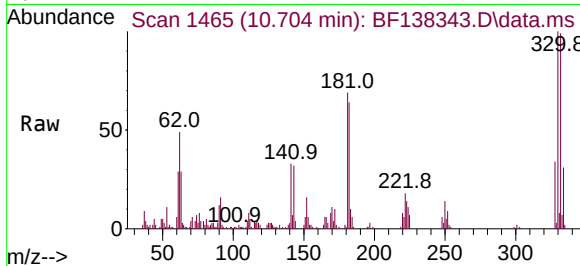
Tgt Ion:164 Resp: 359443
Ion Ratio Lower Upper
164 100
162 100.9 80.6 121.0
160 45.3 36.3 54.5



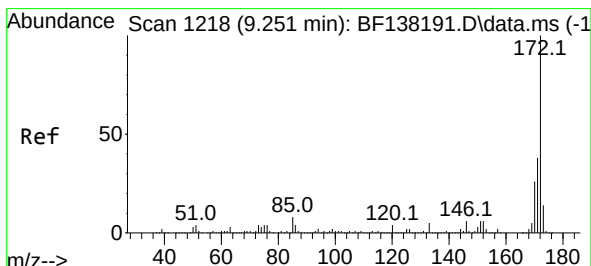
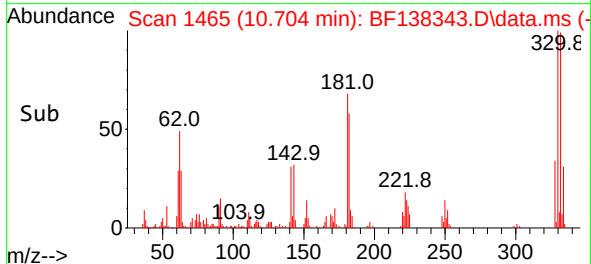
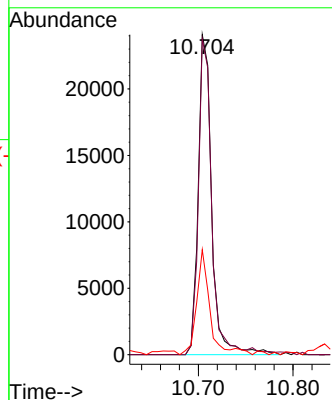


#42
2,4,6-Tribromophenol
Concen: 6.684 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

Instrument :
BNA_F
ClientSampleId :
ARS20-0018

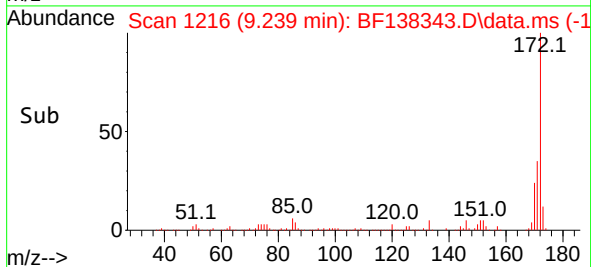
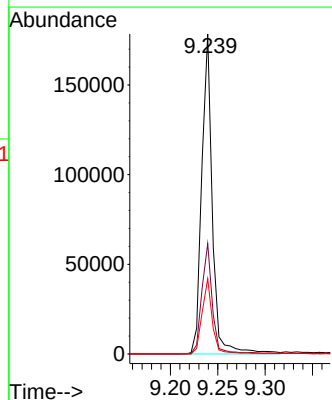
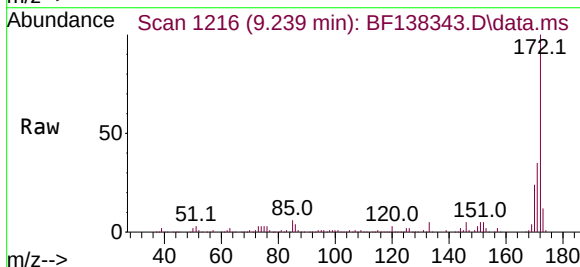


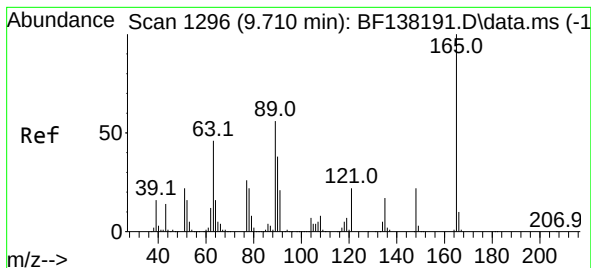
Tgt Ion: 330 Resp: 23916
Ion Ratio Lower Upper
330 100
332 98.7 76.6 115.0
141 30.2 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 6.196 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

Tgt Ion: 172 Resp: 140067
Ion Ratio Lower Upper
172 100
171 34.5 30.3 45.5
170 23.5 20.6 30.8





#51

2,6-Dinitrotoluene

Concen: 9.916 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

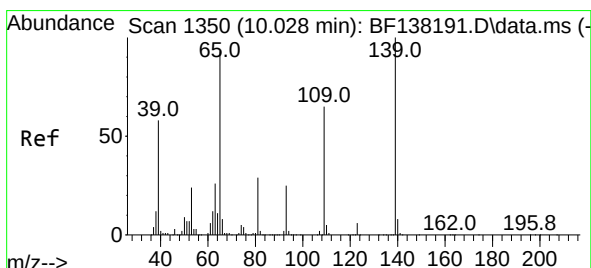
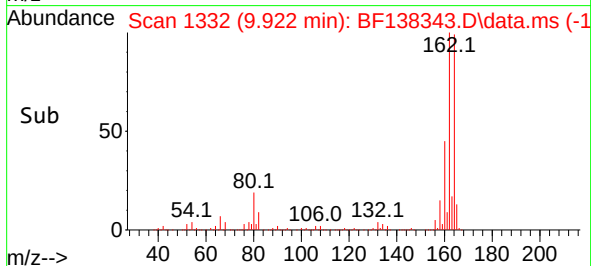
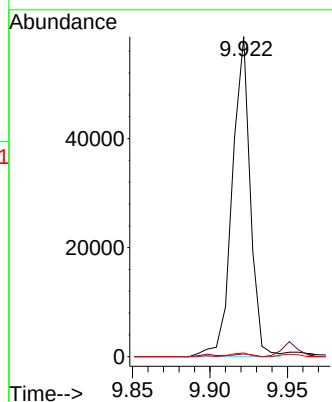
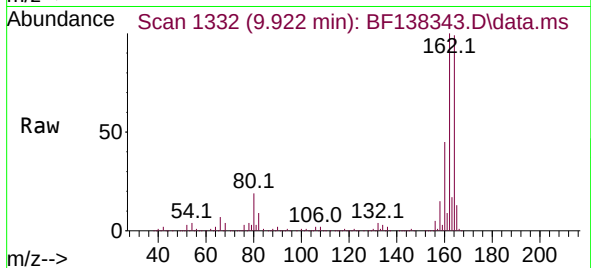
Tgt Ion:165 Resp: 47378

Ion Ratio Lower Upper

165 100

63 0.8 43.7 65.5#

89 1.1 44.9 67.3#



#56

4-Nitrophenol

Concen: 3.016 ng

RT: 10.122 min Scan# 1366

Delta R.T. 0.094 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

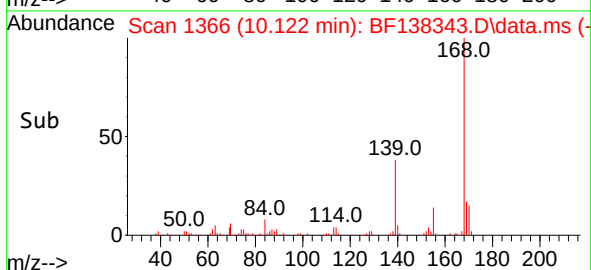
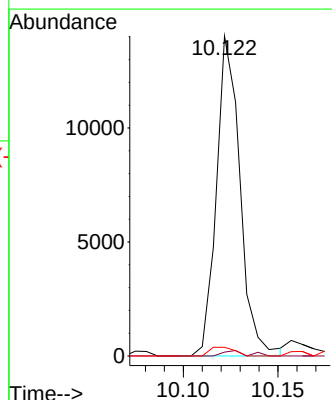
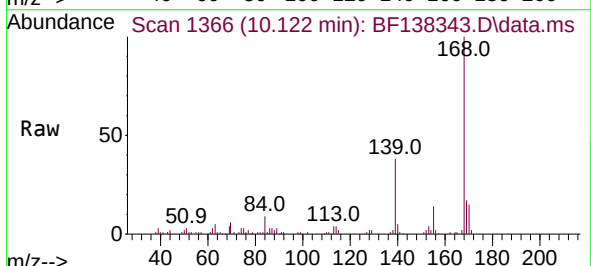
Tgt Ion:139 Resp: 12164

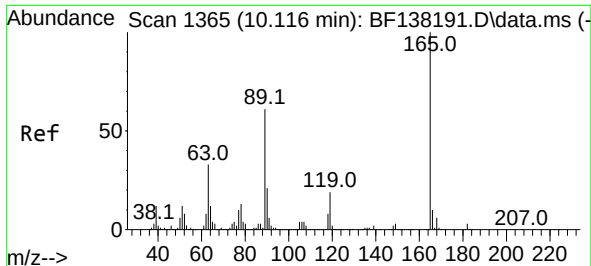
Ion Ratio Lower Upper

139 100

109 1.2 44.6 84.6#

65 2.7 73.1 113.1#

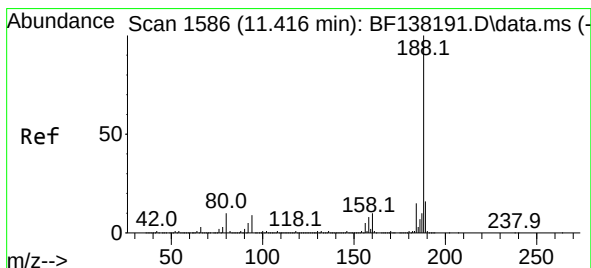
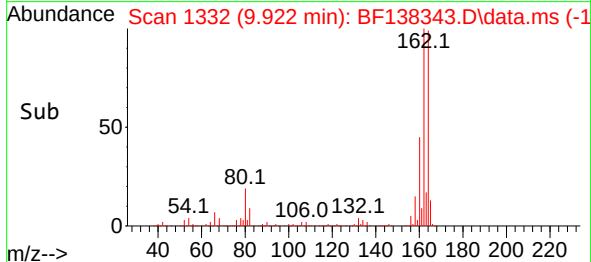
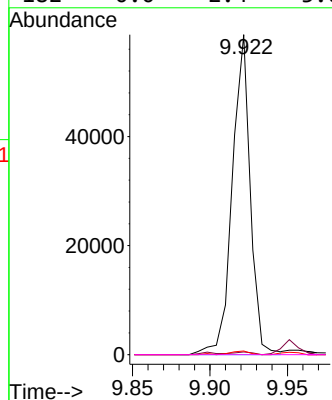
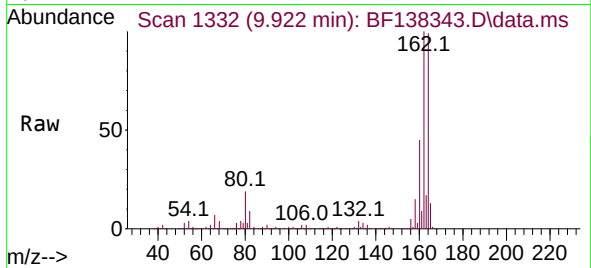




#57
2,4-Dinitrotoluene
Concen: 8.040 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

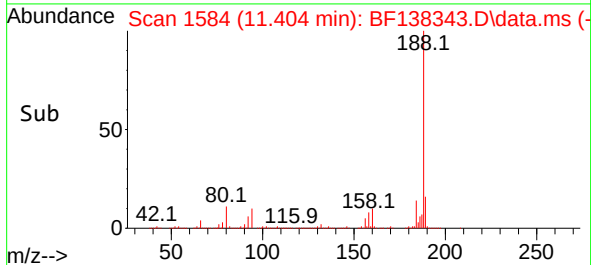
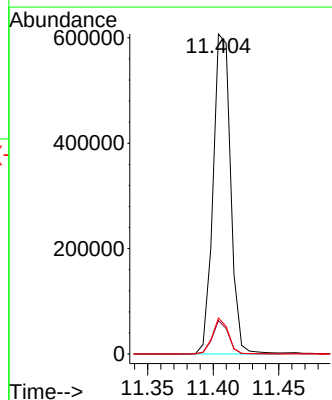
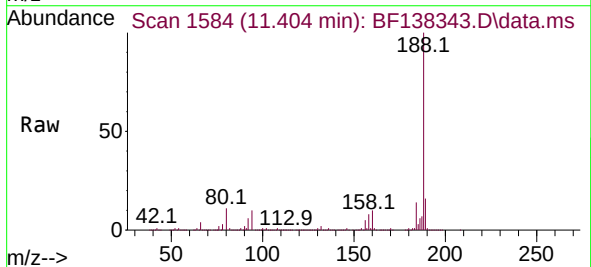
Instrument :
BNA_F
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ARS20-0018

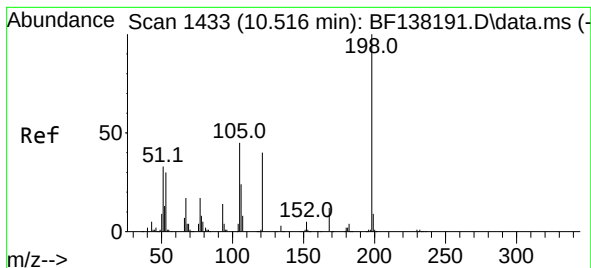
Tgt Ion:165 Resp: 47378
Ion Ratio Lower Upper
165 100
63 0.8 26.6 39.8#
89 1.1 48.7 73.1#
182 0.0 2.4 3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

Tgt Ion:188 Resp: 564426
Ion Ratio Lower Upper
188 100
94 10.5 7.6 11.4
80 11.2 8.1 12.1

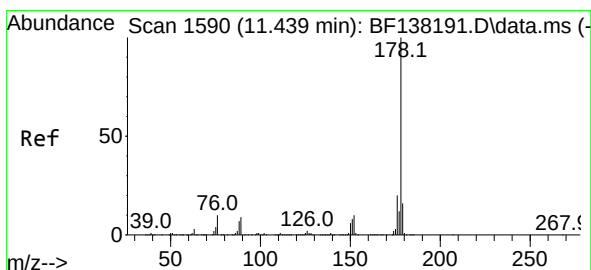
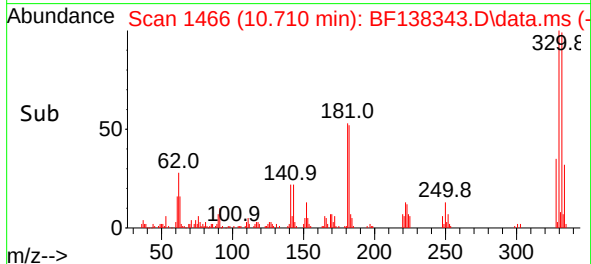
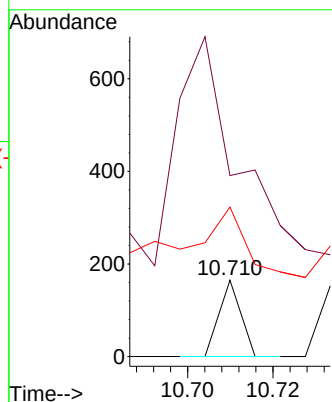
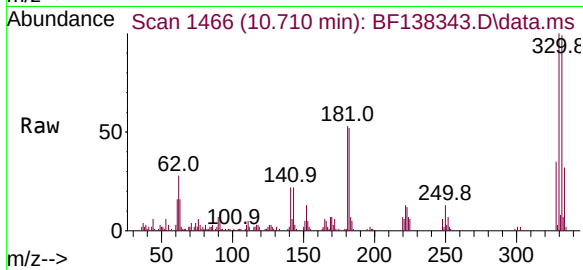




#65
4,6-Dinitro-2-methylphenol
Concen: 6.952 ng
RT: 10.710 min Scan# 1433
Delta R.T. 0.194 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

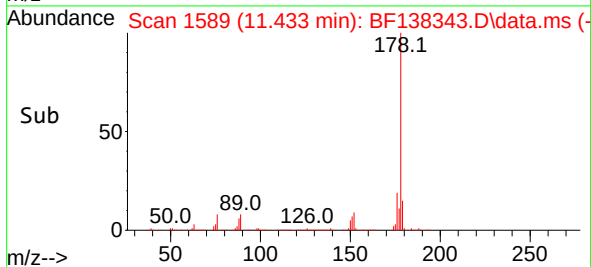
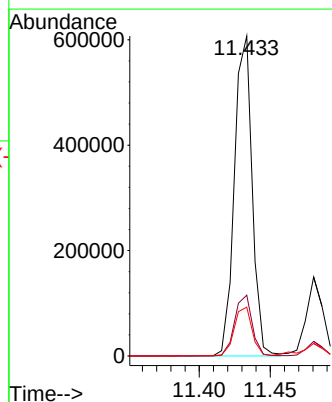
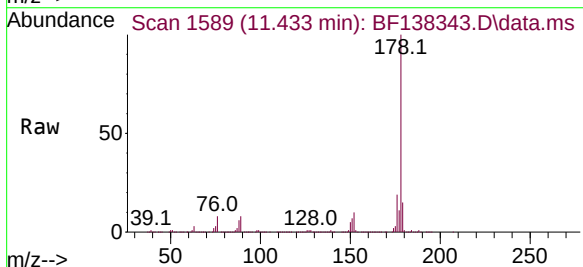
Instrument :
BNA_F
ClientSampleId :
ARS20-0018

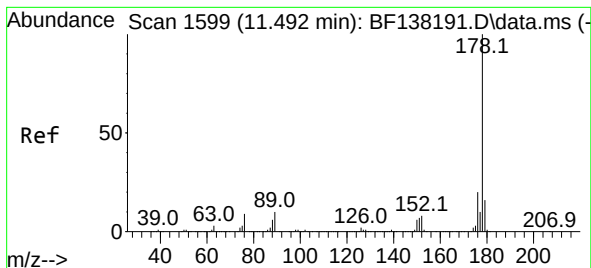
Tgt Ion:198 Resp: 58
Ion Ratio Lower Upper
198 100
51 107.4 26.9 66.9#
105 88.7 26.0 66.0#



#71
Phenanthrene
Concen: 18.965 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

Tgt Ion:178 Resp: 529374
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 15.3 13.1 19.7





#72

Anthracene

Concen: 4.215 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

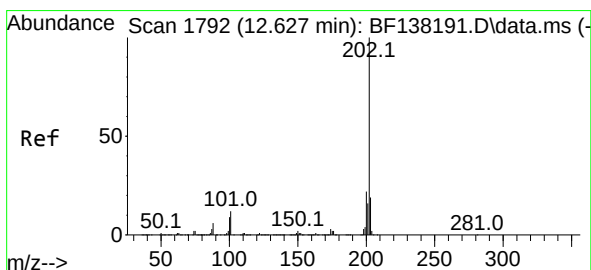
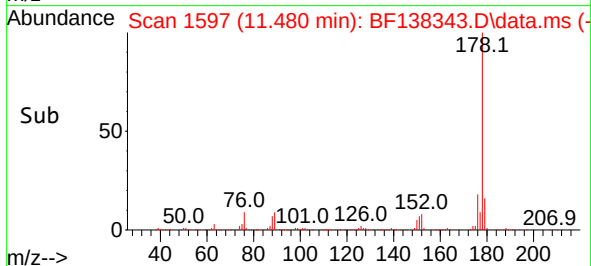
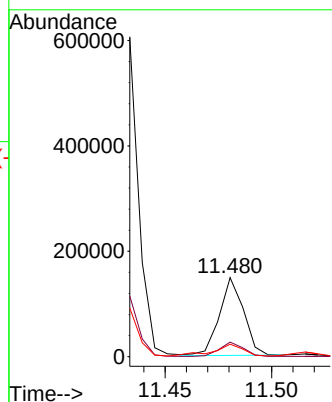
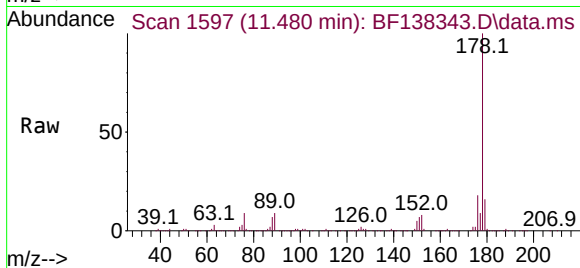
Tgt Ion:178 Resp: 116814

Ion Ratio Lower Upper

178 100

176 18.4 15.7 23.5

179 15.8 13.0 19.6



#75

Fluoranthene

Concen: 29.394 ng

RT: 12.622 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

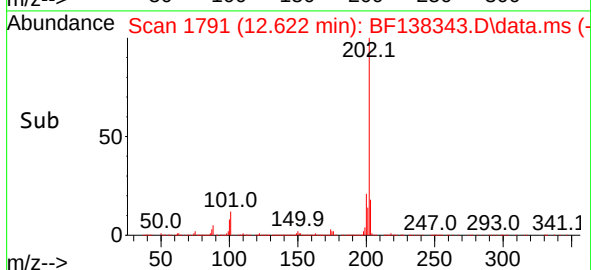
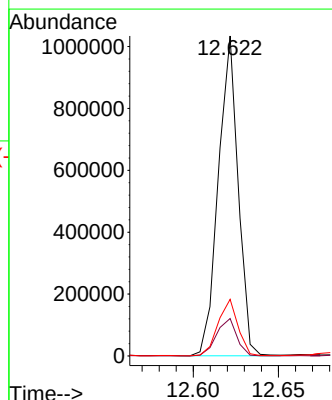
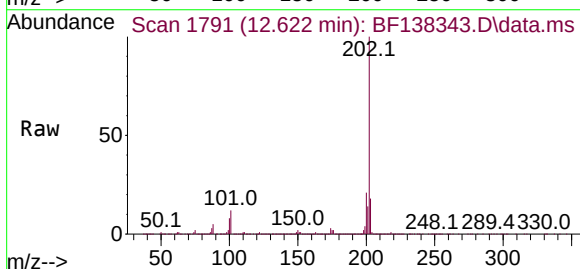
Tgt Ion:202 Resp: 836643

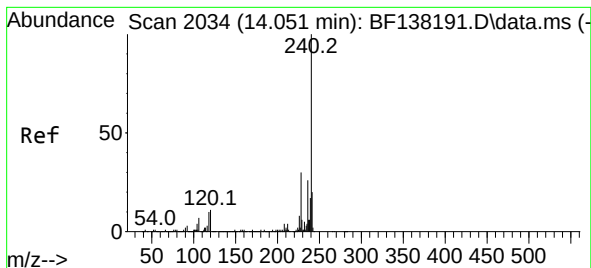
Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.8

203 17.7 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: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

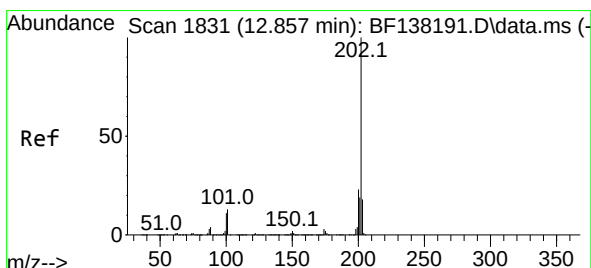
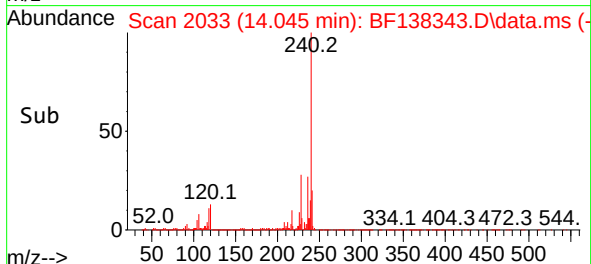
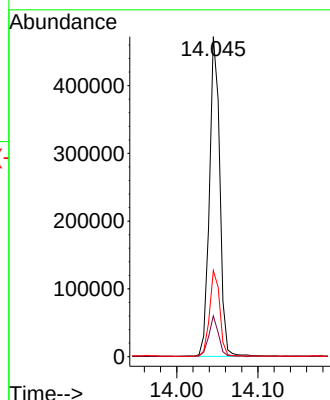
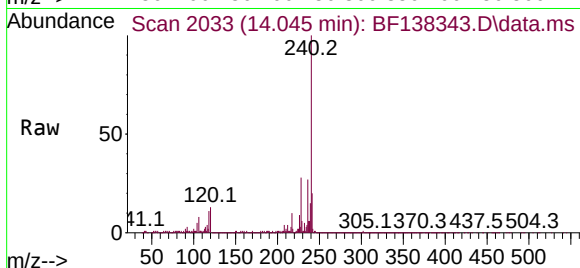
Tgt Ion:240 Resp: 415456

Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

236 26.9 21.0 31.6



#78

Pyrene

Concen: 20.971 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

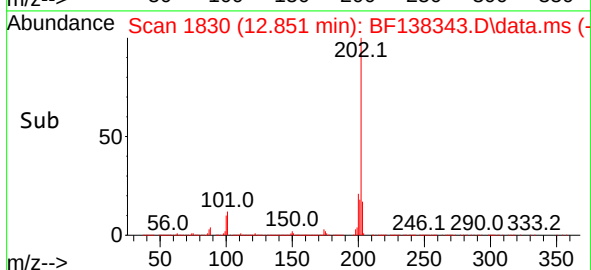
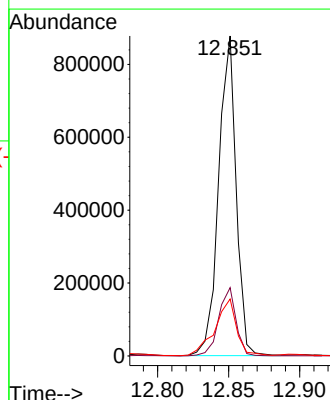
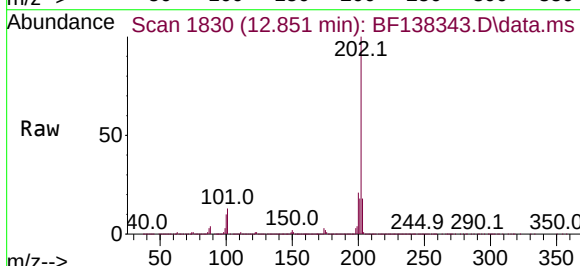
Tgt Ion:202 Resp: 751515

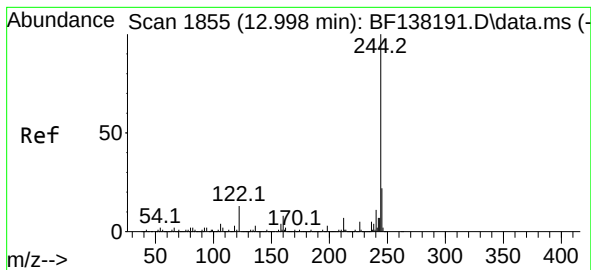
Ion Ratio Lower Upper

202 100

200 21.3 18.0 27.0

203 17.8 14.7 22.1





#79

Terphenyl-d14

Concen: 6.104 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

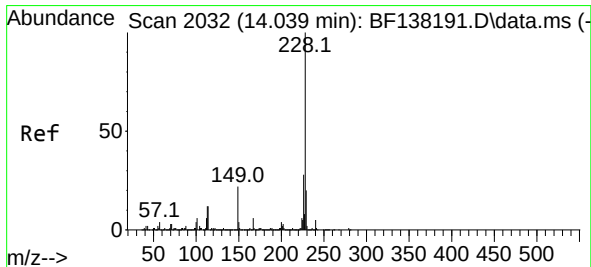
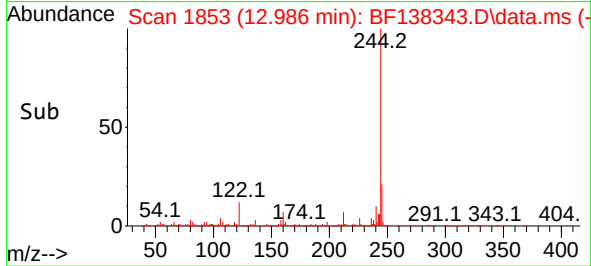
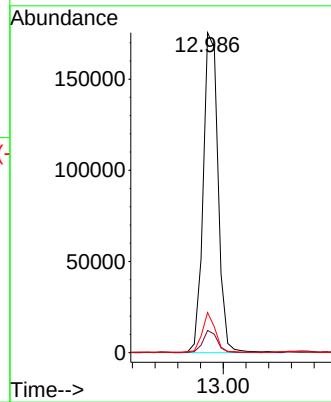
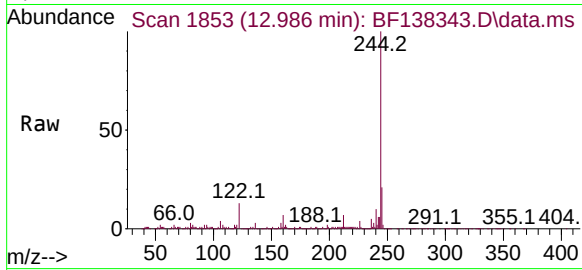
Tgt Ion:244 Resp: 160105

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 12.5 10.6 15.8



#81

Benzo(a)anthracene

Concen: 14.405 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

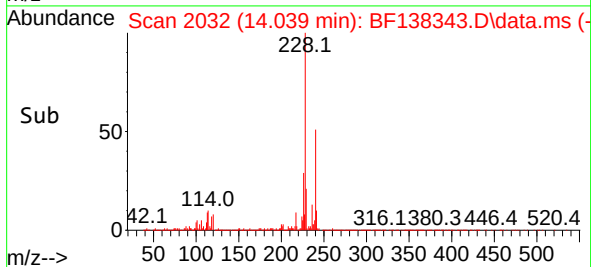
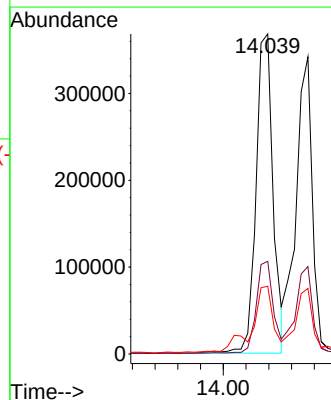
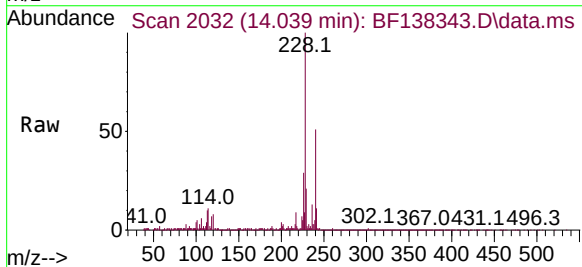
Tgt Ion:228 Resp: 383942

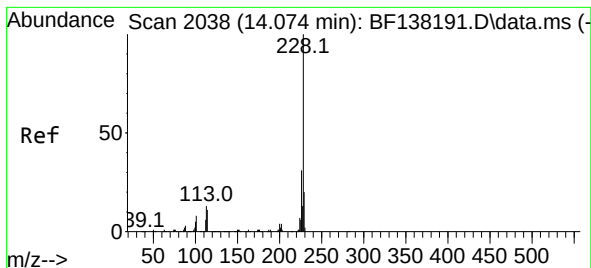
Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

229 21.1 16.3 24.5





#83

Chrysene

Concen: 13.508 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

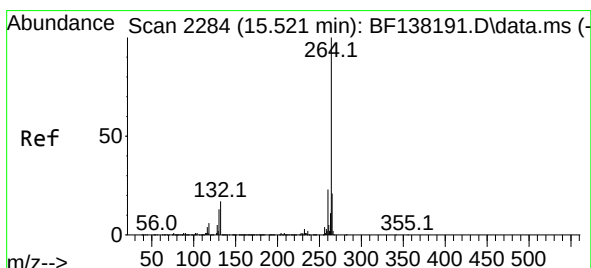
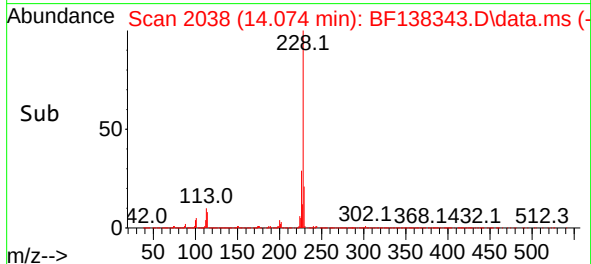
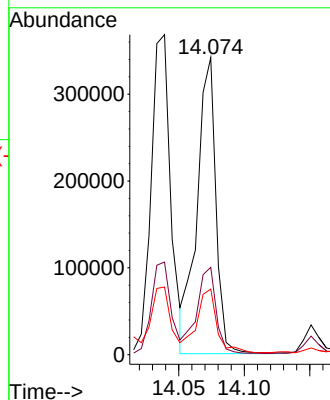
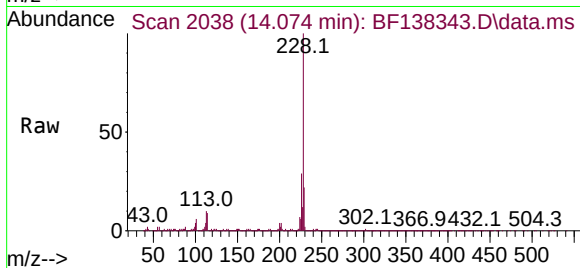
Tgt Ion:228 Resp: 343189

Ion Ratio Lower Upper

228 100

226 29.4 24.5 36.7

229 22.1 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: BF138343.D

Acq: 25 Jun 2024 19:39

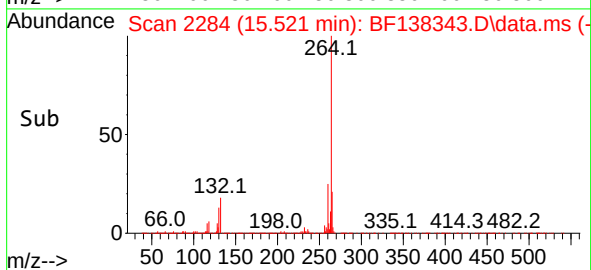
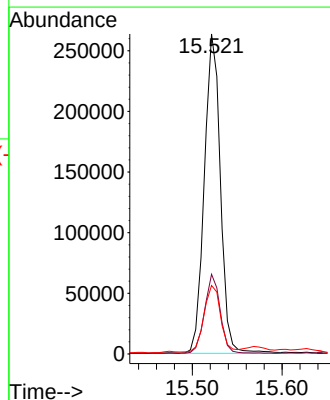
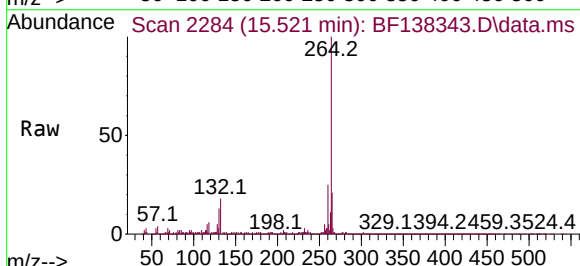
Tgt Ion:264 Resp: 328279

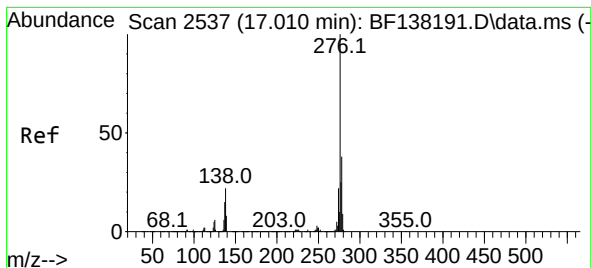
Ion Ratio Lower Upper

264 100

260 24.9 18.7 28.1

265 21.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.512 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

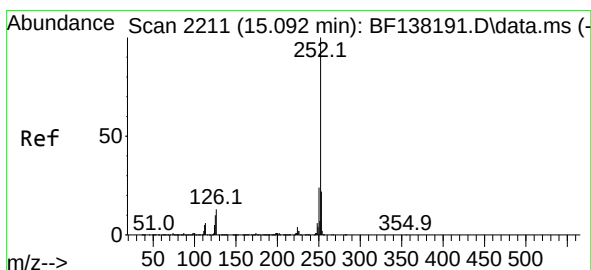
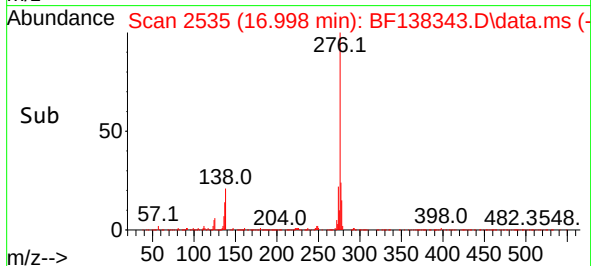
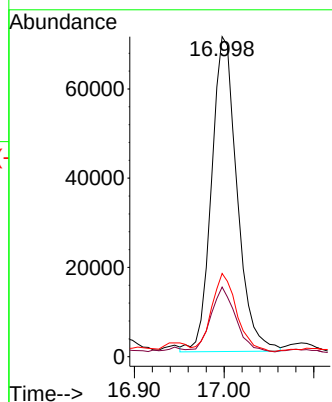
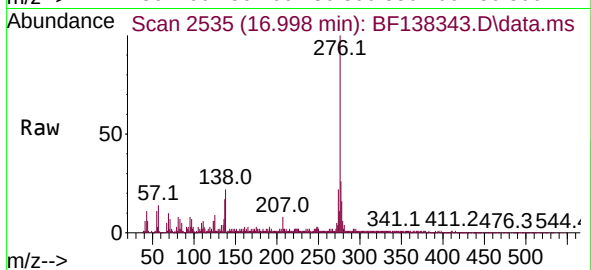
Tgt Ion:276 Resp: 139354

Ion Ratio Lower Upper

276 100

138 20.4 19.3 28.9

277 24.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 21.903 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

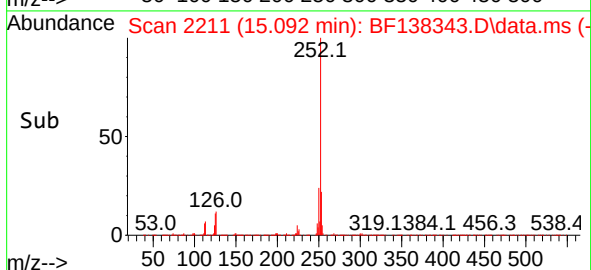
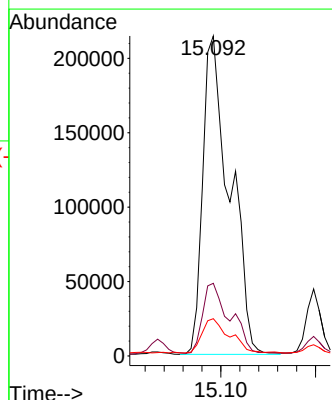
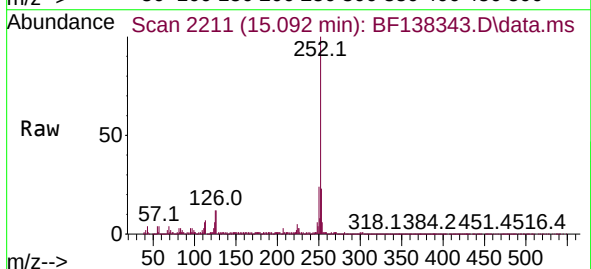
Tgt Ion:252 Resp: 424012

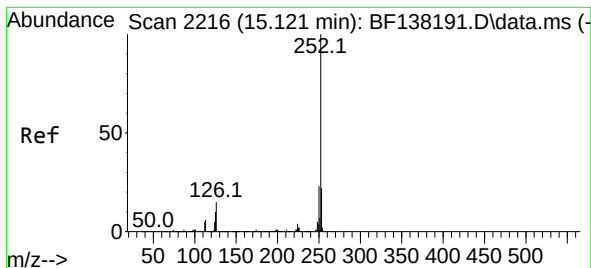
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 11.6 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 22.349 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

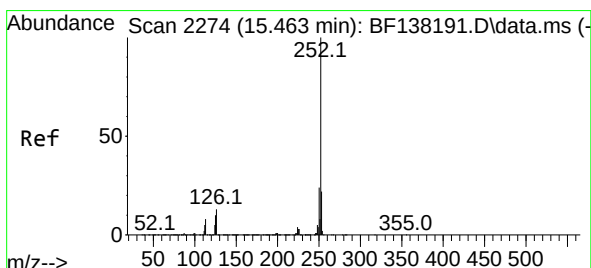
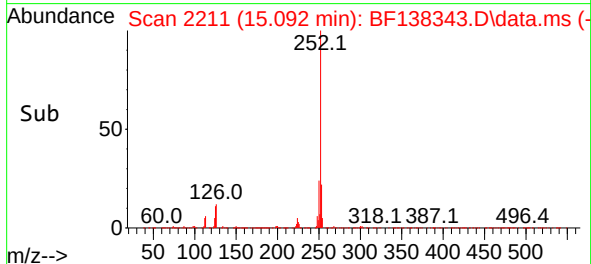
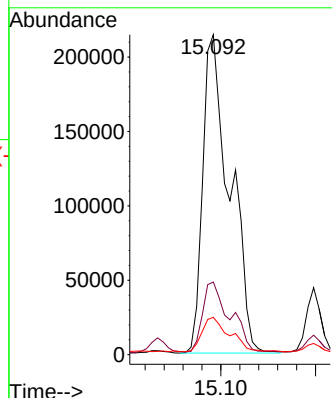
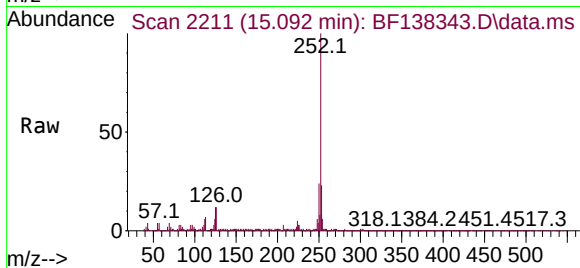
Tgt Ion:252 Resp: 424012

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 11.6 8.0 12.0



#90

Benzo(a)pyrene

Concen: 12.743 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

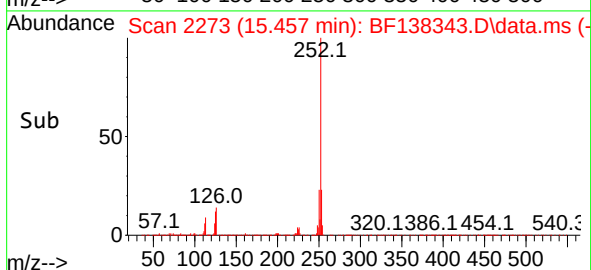
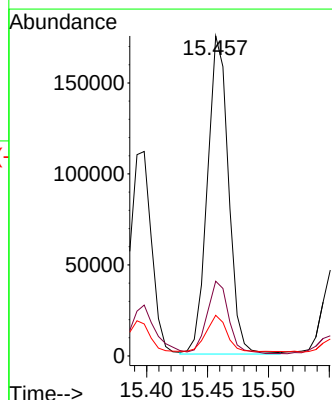
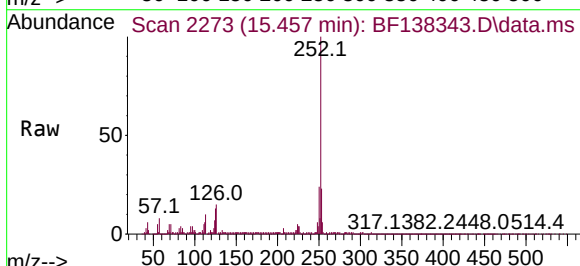
Tgt Ion:252 Resp: 211929

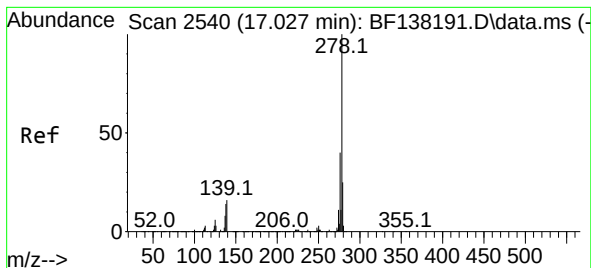
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 12.7 8.2 12.2#





#91

Dibenzo(a,h)anthracene

Concen: 2.078 ng

RT: 17.010 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

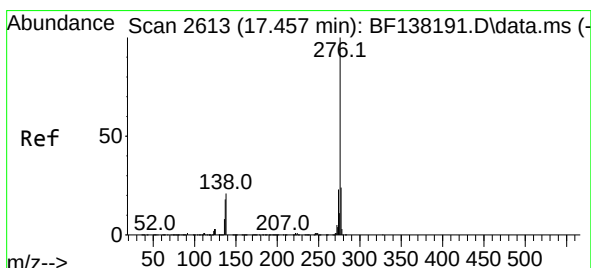
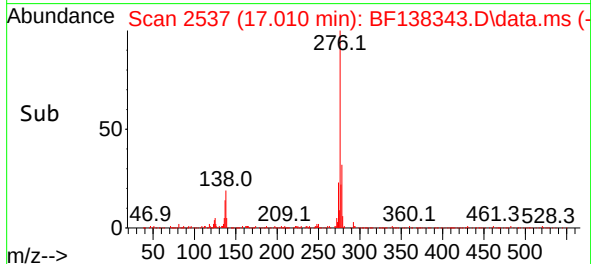
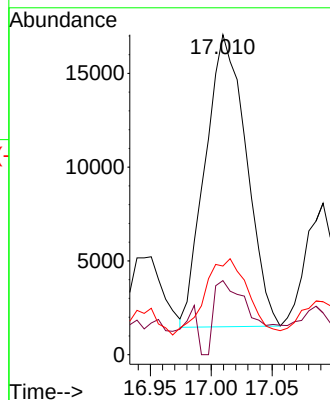
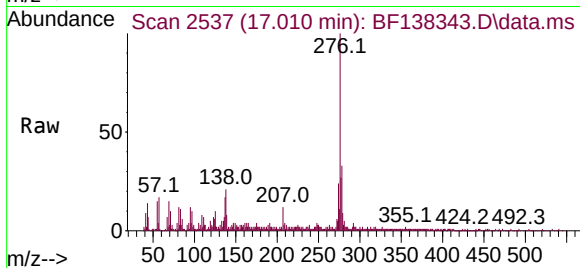
Tgt Ion:278 Resp: 36493

Ion Ratio Lower Upper

278 100

139 23.1 12.9 19.3#

279 27.7 19.9 29.9



#92

Benzo(g,h,i)perylene

Concen: 6.606 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:276 Resp: 120046

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 21.3 16.6 24.8

