

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138344.D
 Acq On : 25 Jun 2024 20:08
 Operator : CG\JU
 Sample : P3021-10 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0015

Quant Time: Jun 26 01:02:22 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)

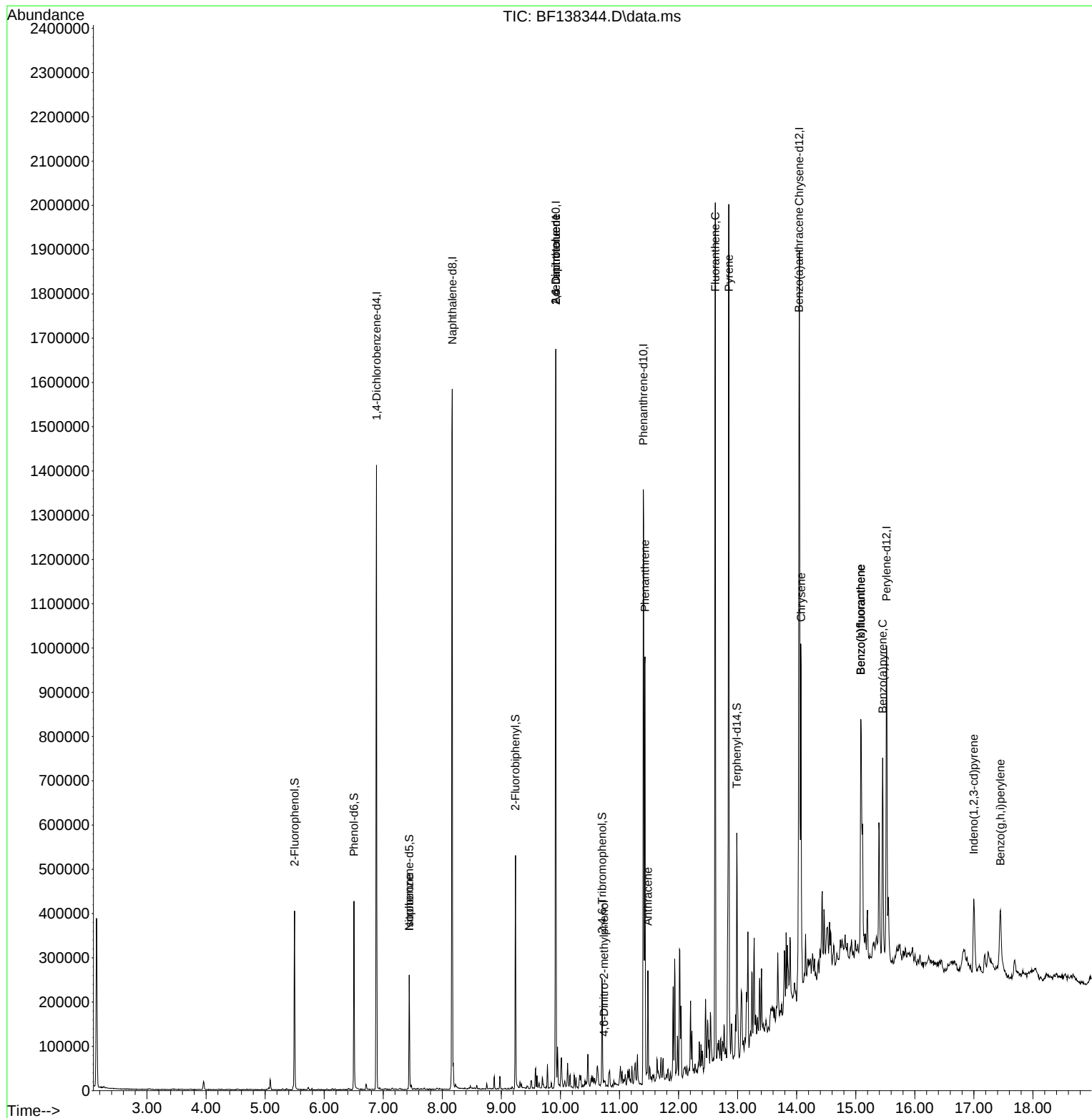
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	203257	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	713796	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	329097	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	531329	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	412707	20.000	ng	0.00
86) Perylene-d12	15.521	264	334390	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	110330	9.080	ng	-0.01
7) Phenol-d6	6.504	99	129952	8.434	ng	-0.02
23) Nitrobenzene-d5	7.439	82	72978	5.952	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	25842	7.888	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	154185	7.450	ng	-0.01
79) Terphenyl-d14	12.986	244	167032	6.410	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.439	82	71366	3.218	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	43356	9.911	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	43356	8.036	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.739	198	114	6.970	ng	# 1
71) Phenanthrene	11.433	178	370380	14.096	ng	97
72) Anthracene	11.480	178	83814	3.213	ng	99
75) Fluoranthene	12.621	202	727646	27.157	ng	97
78) Pyrene	12.851	202	738279	20.739	ng	97
81) Benzo(a)anthracene	14.039	228	350695	13.245	ng	98
83) Chrysene	14.074	228	318390	12.616	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	121091	5.555	ng	96
88) Benzo(b)fluoranthene	15.086	252	408306	20.706	ng	96
89) Benzo(k)fluoranthene	15.086	252	408306	21.128	ng	97
90) Benzo(a)pyrene	15.457	252	214151	12.641	ng	96
92) Benzo(g,h,i)perylene	17.451	276	118416	6.397	ng	99

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
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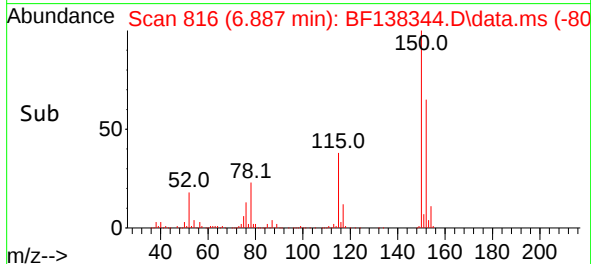
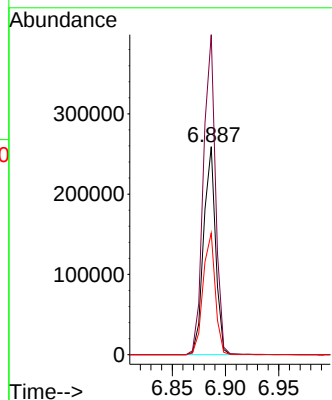
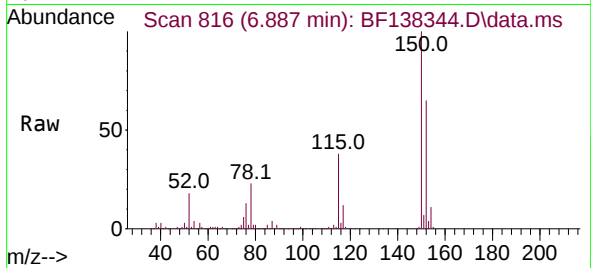




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

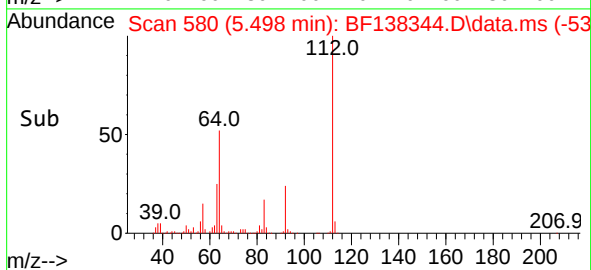
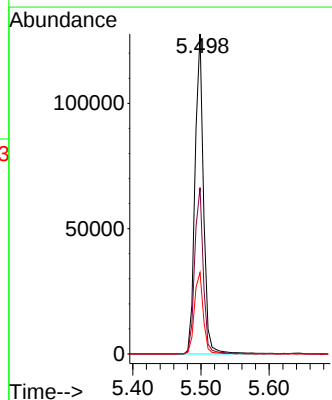
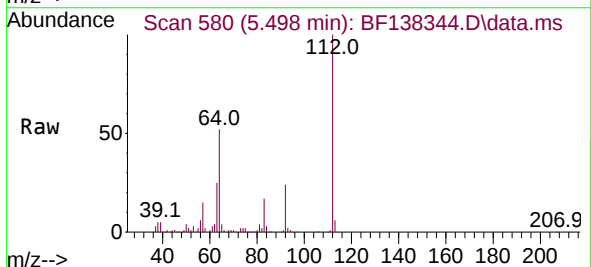
Instrument :
BNA_F
ClientSampleId :
ARS20-0015

Tgt Ion:152 Resp: 203257
Ion Ratio Lower Upper
152 100
150 153.8 125.0 187.4
115 58.5 48.4 72.6



#5
2-Fluorophenol
Concen: 9.080 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

Tgt Ion:112 Resp: 110330
Ion Ratio Lower Upper
112 100
64 52.0 45.2 67.8
63 25.4 22.9 34.3





#7

Phenol-d6

Concen: 8.434 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF138344.D

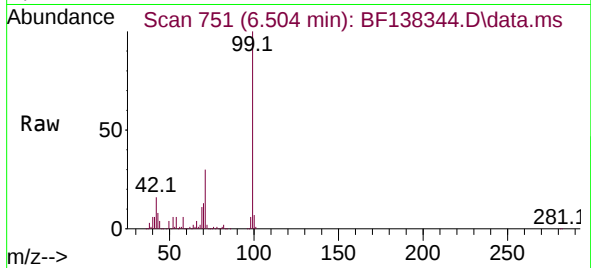
Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015



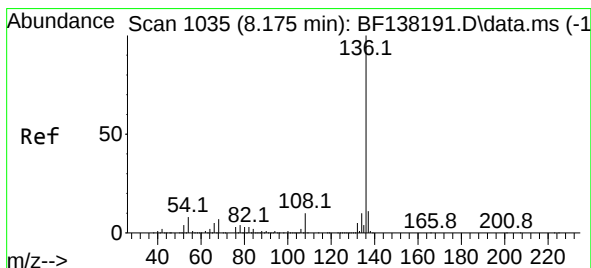
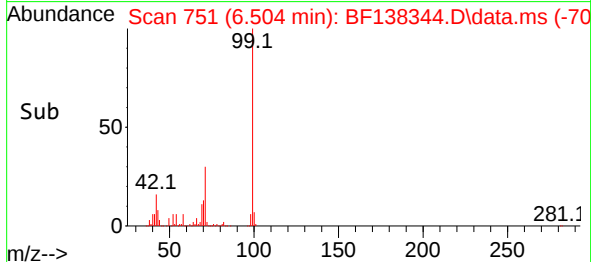
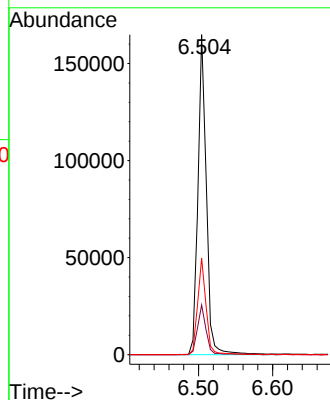
Tgt Ion: 99 Resp: 129952

Ion Ratio Lower Upper

99 100

42 15.6 13.7 20.5

71 30.2 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: BF138344.D

Acq: 25 Jun 2024 20:08

Tgt Ion: 136 Resp: 713796

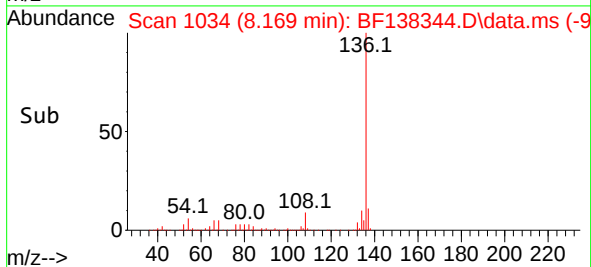
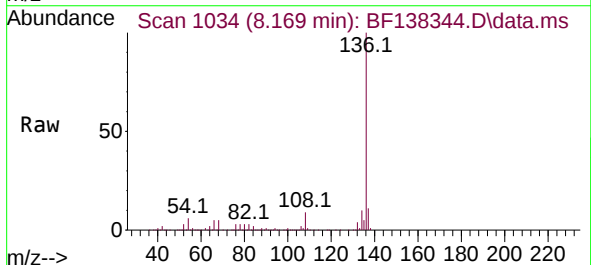
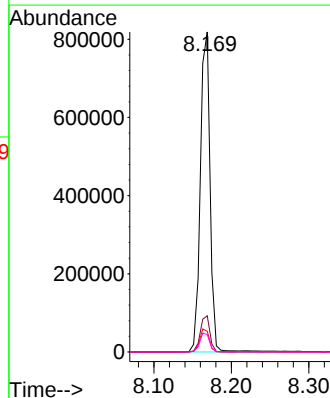
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.4 6.6 10.0

68 5.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 5.952 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.018 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

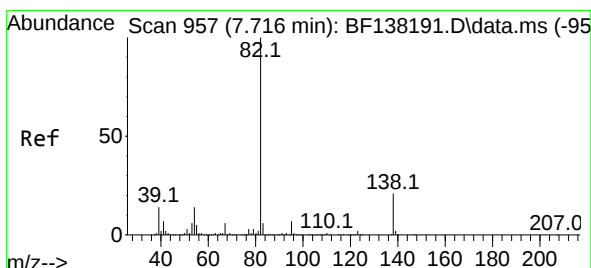
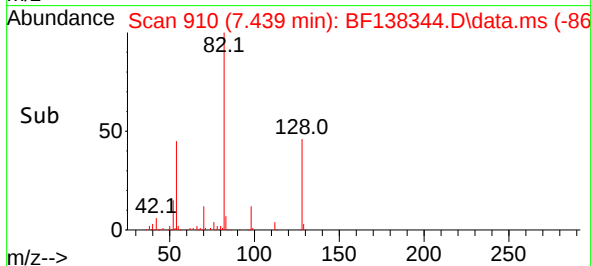
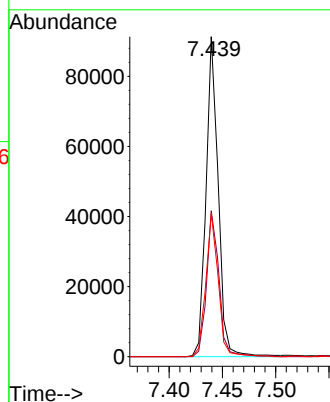
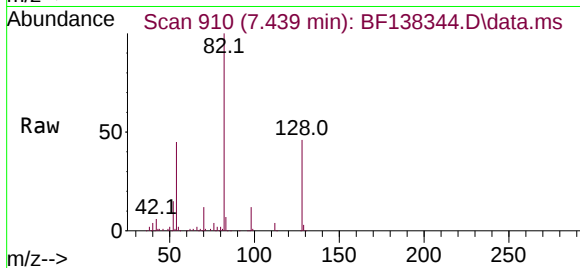
Tgt Ion: 82 Resp: 72978

Ion Ratio Lower Upper

82 100

128 45.6 37.2 55.8

54 44.8 39.8 59.6



#25

Isophorone

Concen: 3.218 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.277 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

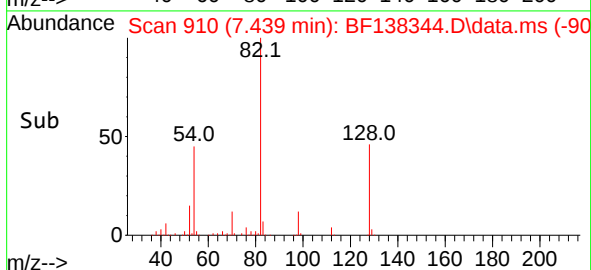
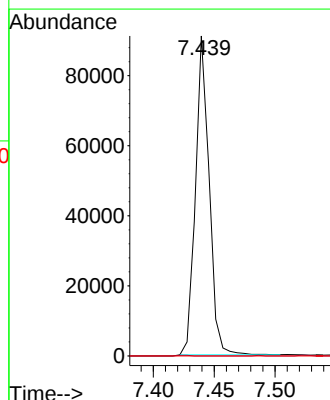
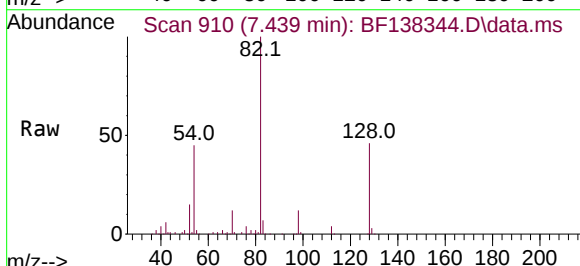
Tgt Ion: 82 Resp: 71366

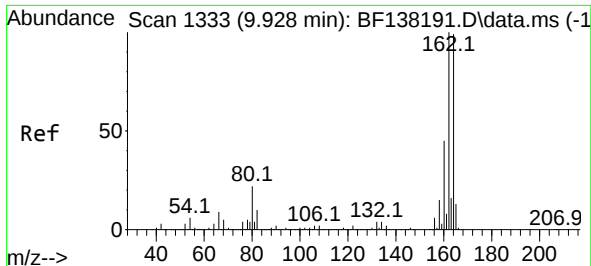
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

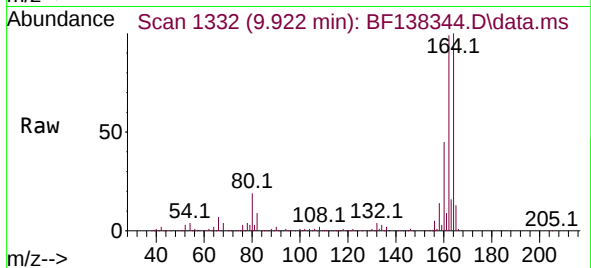
138 0.0 16.4 24.6#



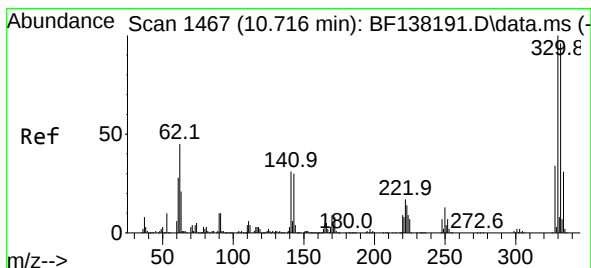
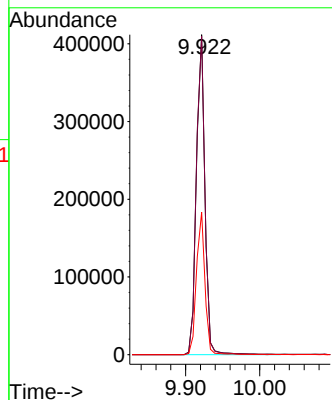
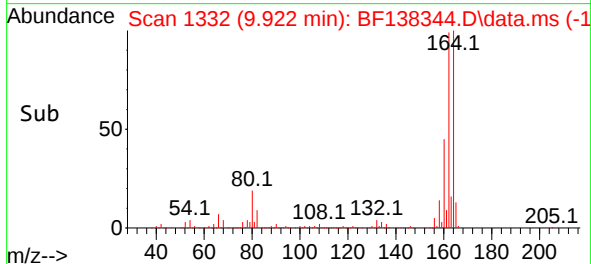


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

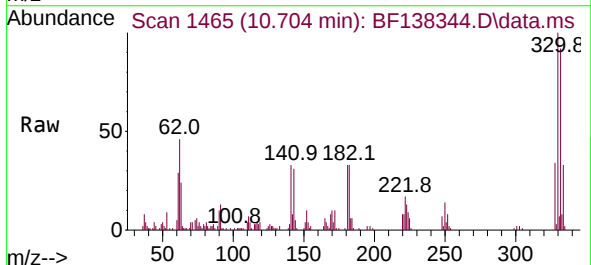
Instrument :
BNA_F
ClientSampleId :
ARS20-0015



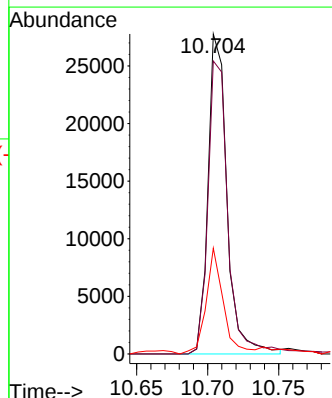
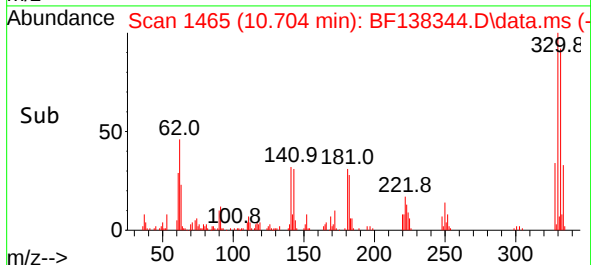
Tgt Ion:164 Resp: 329097
Ion Ratio Lower Upper
164 100
162 99.5 80.6 121.0
160 44.5 36.3 54.5

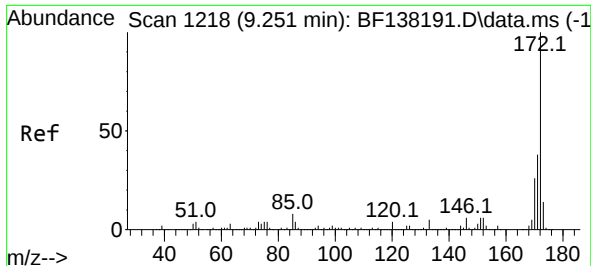


#42
2,4,6-Tribromophenol
Concen: 7.888 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08



Tgt Ion:330 Resp: 25842
Ion Ratio Lower Upper
330 100
332 97.8 76.6 115.0
141 30.0 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 7.450 ng

RT: 9.239 min Scan# 1332

Delta R.T. -0.012 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

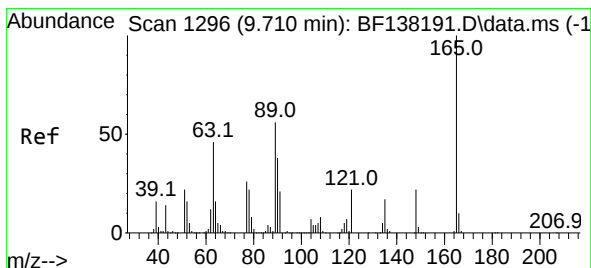
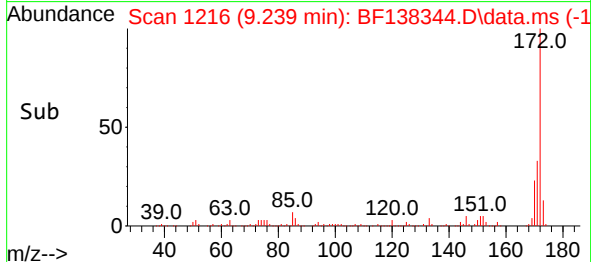
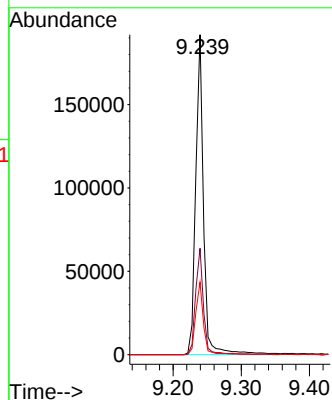
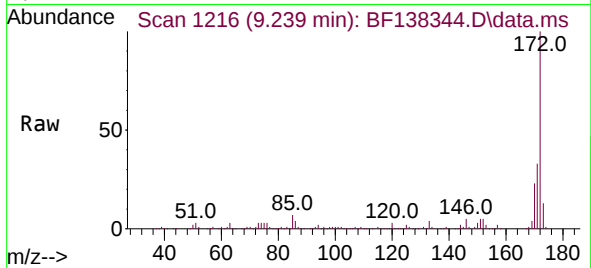
Tgt Ion:172 Resp: 154185

Ion Ratio Lower Upper

172 100

171 33.2 30.3 45.5

170 22.6 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 9.911 ng

RT: 9.922 min Scan# 1332

Delta R.T. 0.212 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

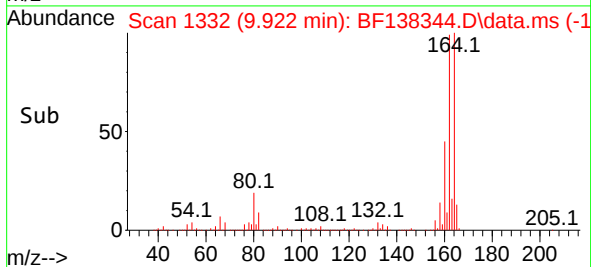
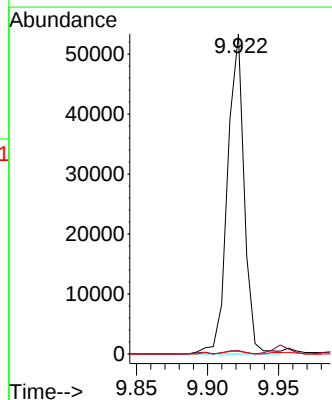
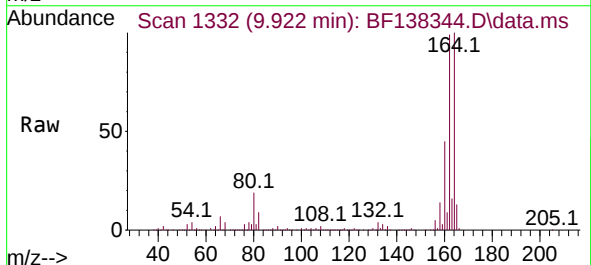
Tgt Ion:165 Resp: 43356

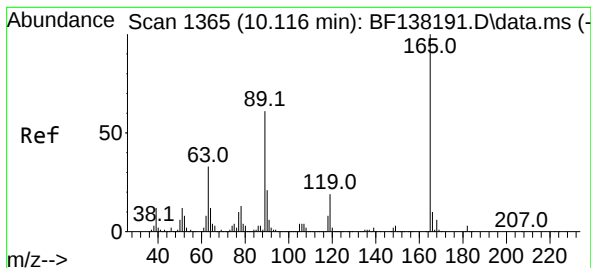
Ion Ratio Lower Upper

165 100

63 1.0 43.7 65.5#

89 0.9 44.9 67.3#

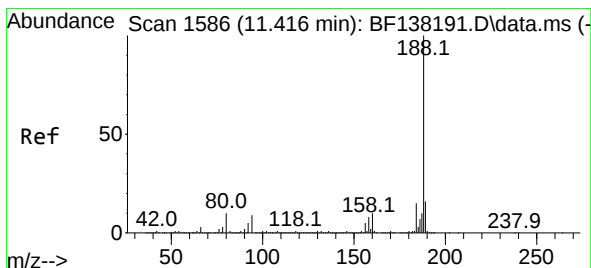
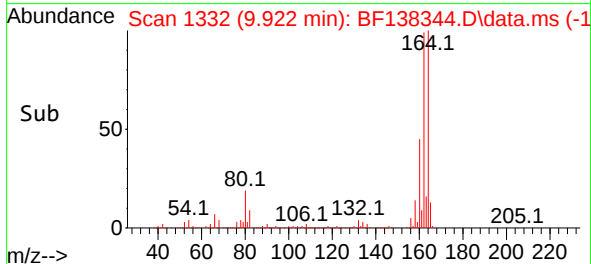
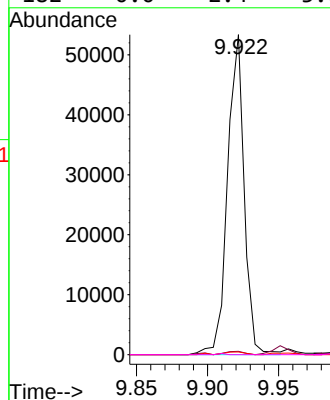
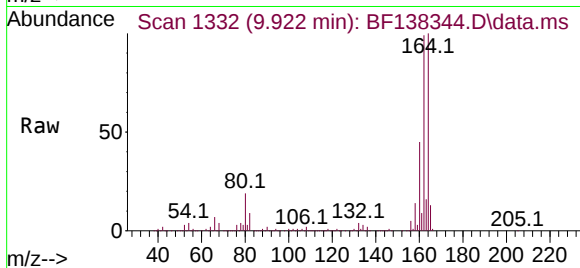




#57
2,4-Dinitrotoluene
Concen: 8.036 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

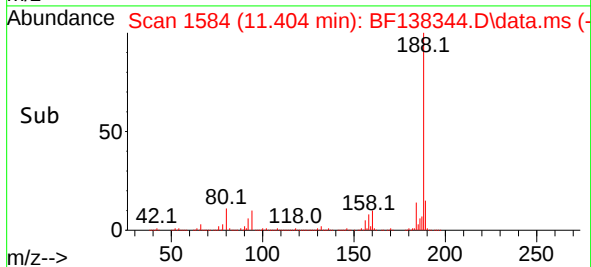
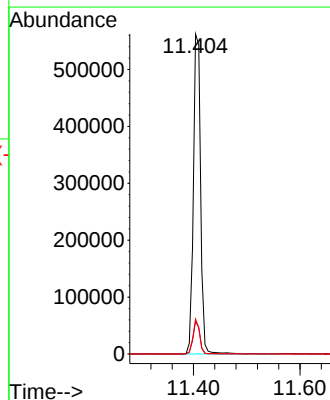
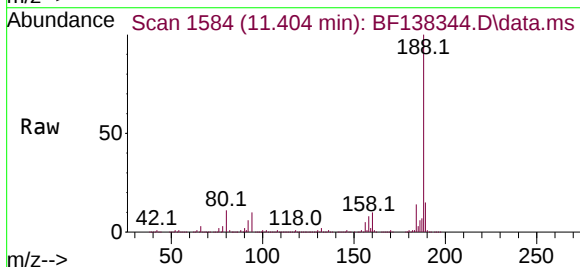
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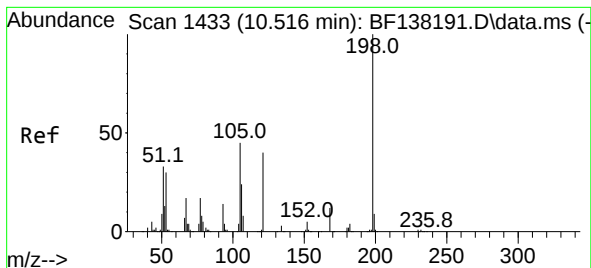
Tgt Ion:165 Resp: 43356
Ion Ratio Lower Upper
165 100
63 1.0 26.6 39.8#
89 0.9 48.7 73.1#
182 0.0 2.4 3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

Tgt Ion:188 Resp: 531329
Ion Ratio Lower Upper
188 100
94 10.2 7.6 11.4
80 11.0 8.1 12.1

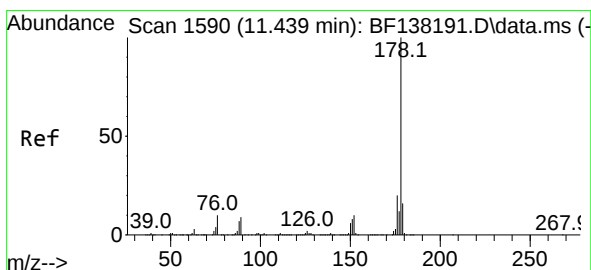
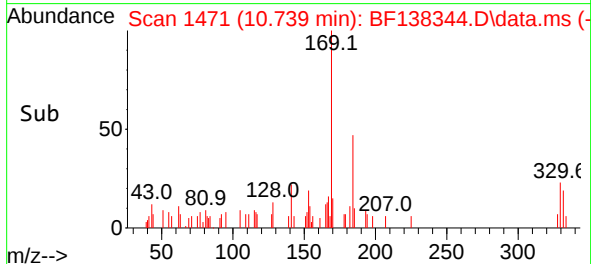
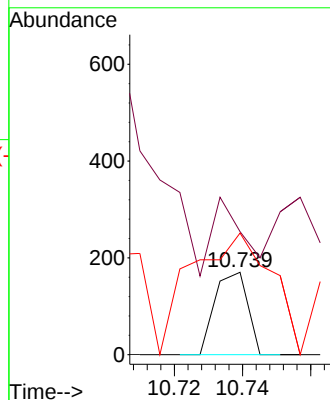
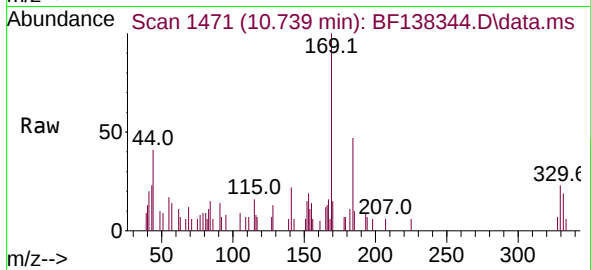




#65
4,6-Dinitro-2-methylphenol
Concen: 6.970 ng
RT: 10.739 min Scan# 1433
Delta R.T. 0.223 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

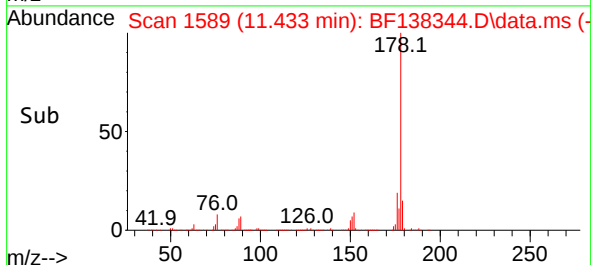
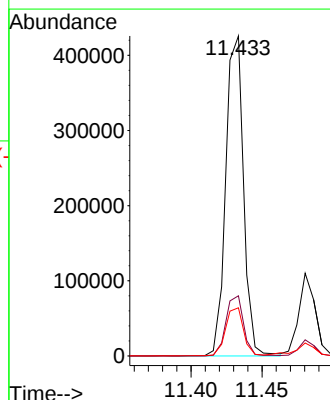
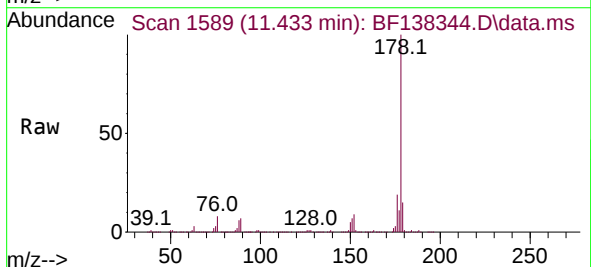
Instrument :
BNA_F
ClientSampleId :
ARS20-0015

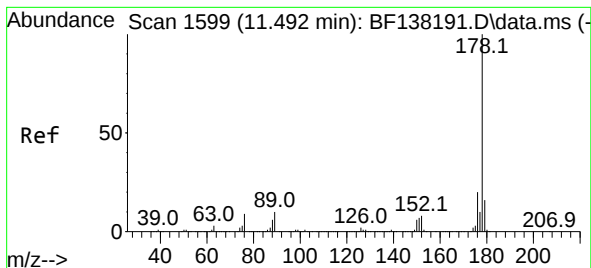
Tgt Ion:198 Resp: 114
Ion Ratio Lower Upper
198 100
51 149.4 26.9 66.9#
105 147.6 26.0 66.0#



#71
Phenanthrene
Concen: 14.096 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

Tgt Ion:178 Resp: 370380
Ion Ratio Lower Upper
178 100
176 18.8 16.4 24.6
179 15.1 13.1 19.7





#72

Anthracene

Concen: 3.213 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

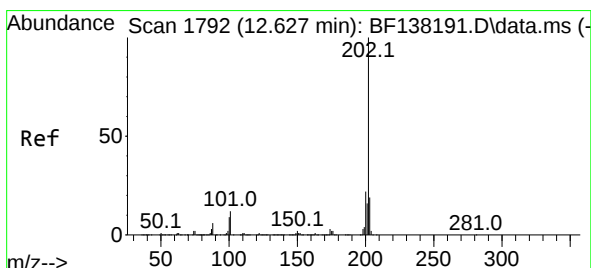
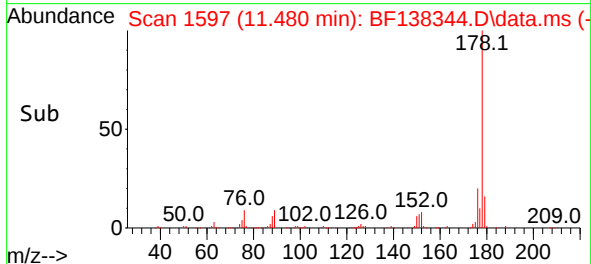
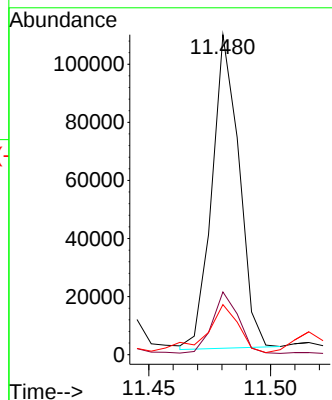
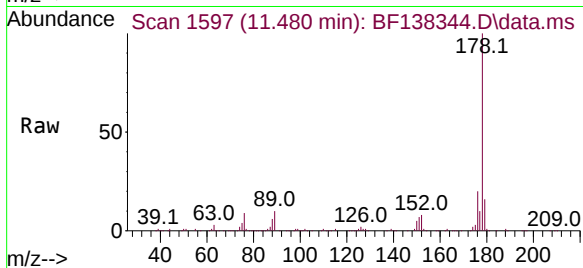
Tgt Ion:178 Resp: 83814

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.6 13.0 19.6



#75

Fluoranthene

Concen: 27.157 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

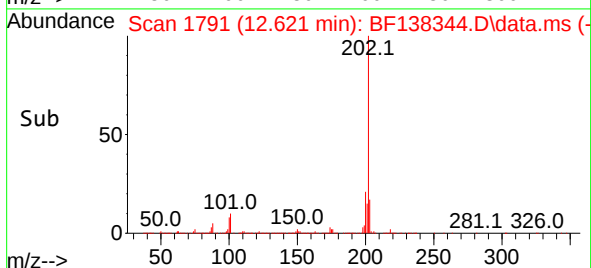
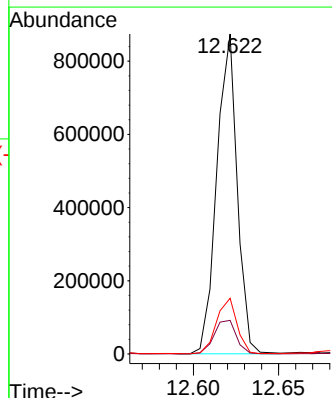
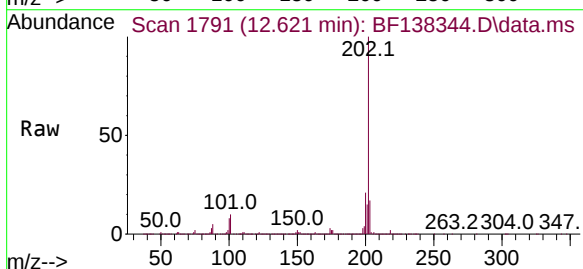
Tgt Ion:202 Resp: 727646

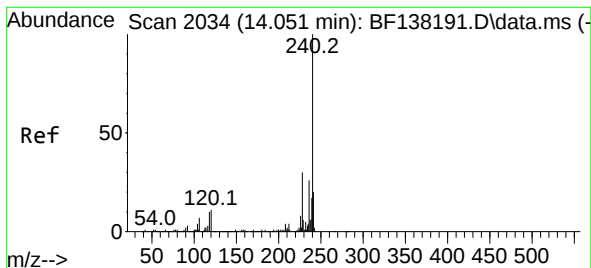
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.8

203 17.4 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: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

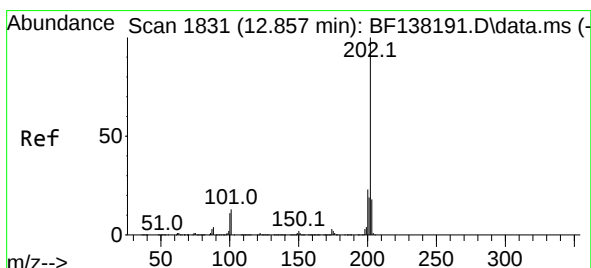
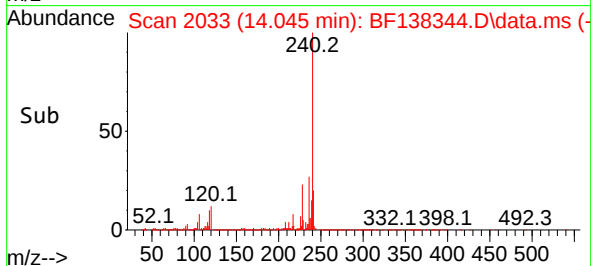
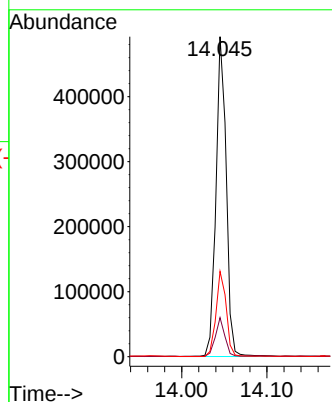
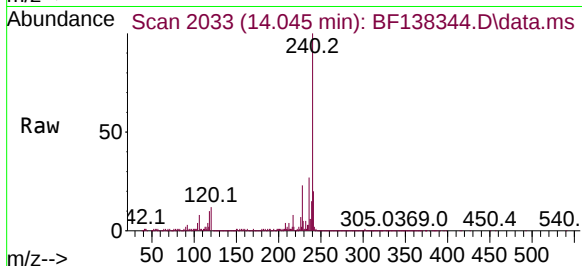
Tgt Ion:240 Resp: 412707

Ion Ratio Lower Upper

240 100

120 12.2 9.2 13.8

236 26.6 21.0 31.6



#78

Pyrene

Concen: 20.739 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

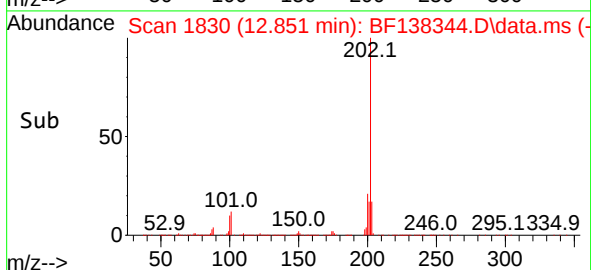
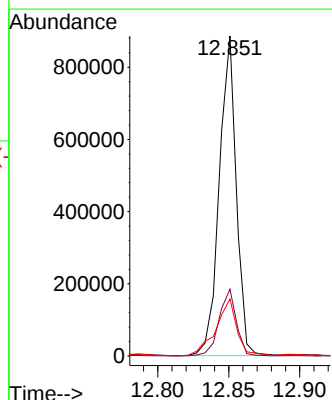
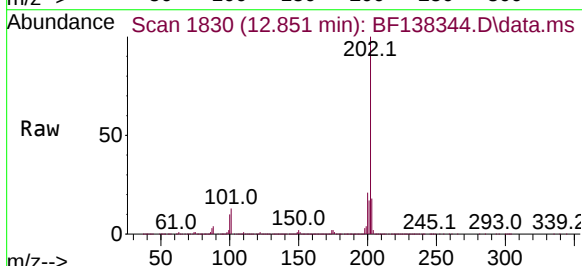
Tgt Ion:202 Resp: 738279

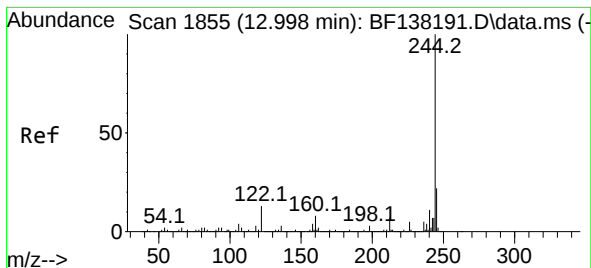
Ion Ratio Lower Upper

202 100

200 20.8 18.0 27.0

203 17.8 14.7 22.1





#79

Terphenyl-d14

Concen: 6.410 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

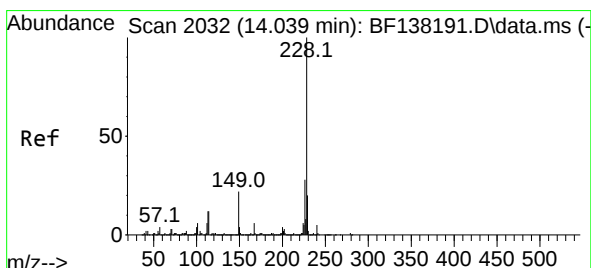
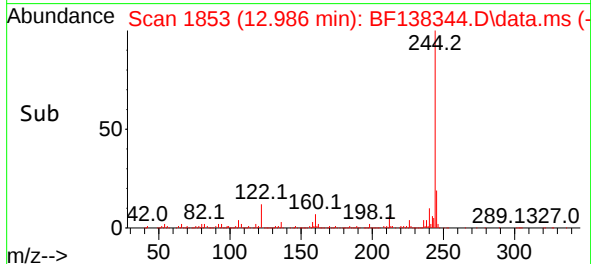
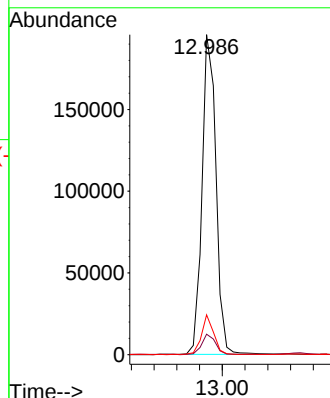
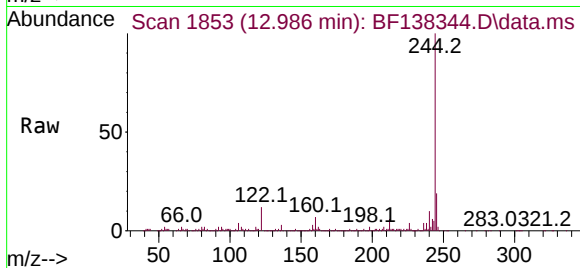
Tgt Ion:244 Resp: 167032

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

122 12.4 10.6 15.8



#81

Benzo(a)anthracene

Concen: 13.245 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

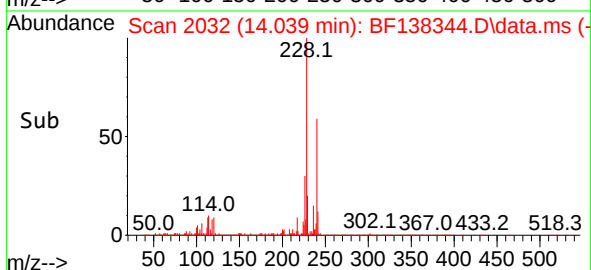
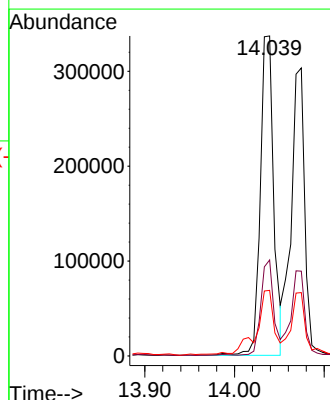
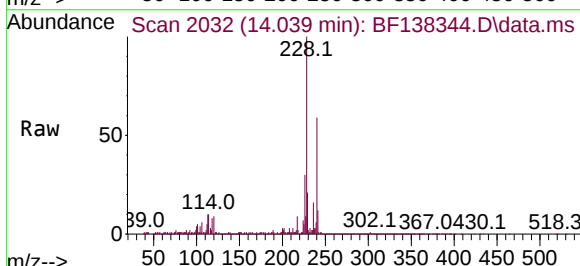
Tgt Ion:228 Resp: 350695

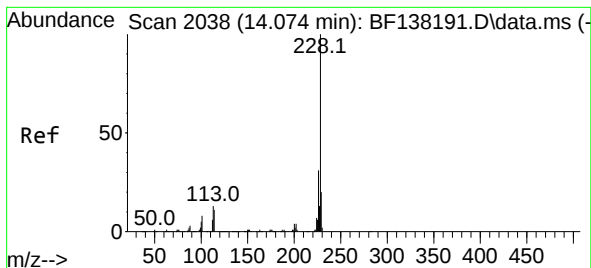
Ion Ratio Lower Upper

228 100

226 30.0 22.5 33.7

229 20.5 16.3 24.5





#83

Chrysene

Concen: 12.616 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

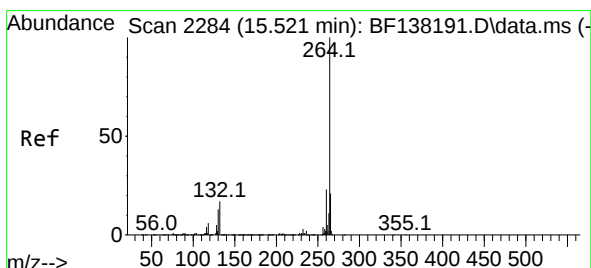
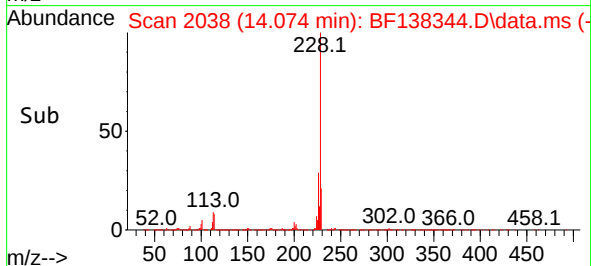
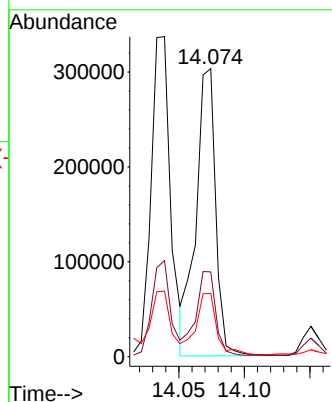
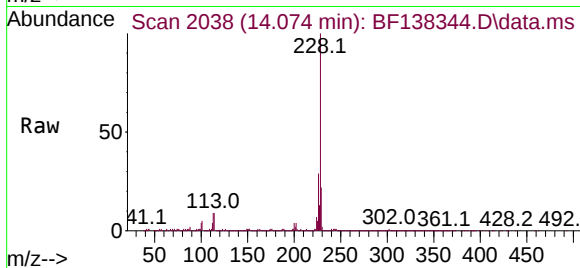
Tgt Ion:228 Resp: 318390

Ion Ratio Lower Upper

228 100

226 29.5 24.5 36.7

229 22.0 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: BF138344.D

Acq: 25 Jun 2024 20:08

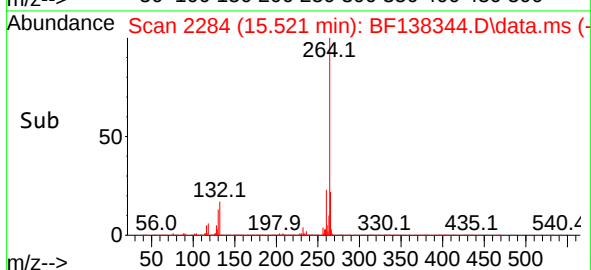
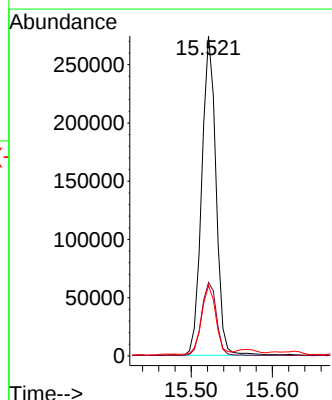
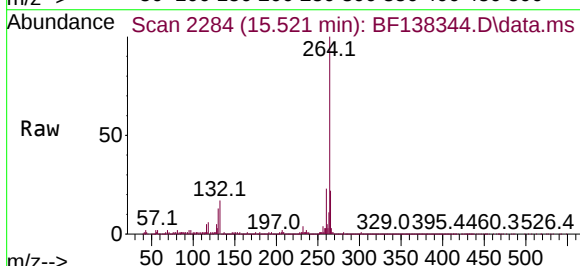
Tgt Ion:264 Resp: 334390

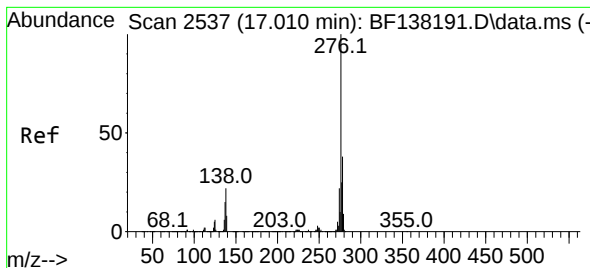
Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 22.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.555 ng

RT: 16.998 min Scan# 2110

Delta R.T. -0.012 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

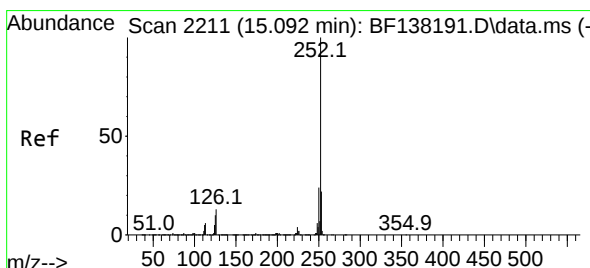
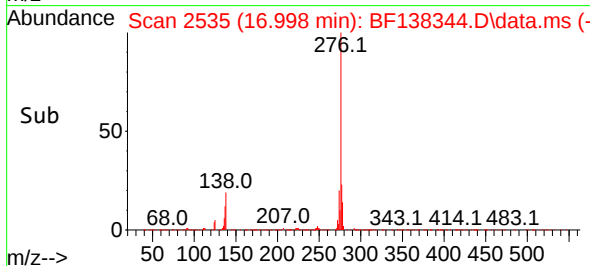
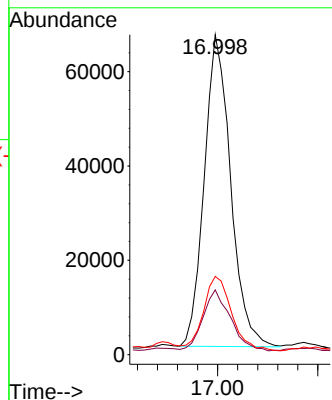
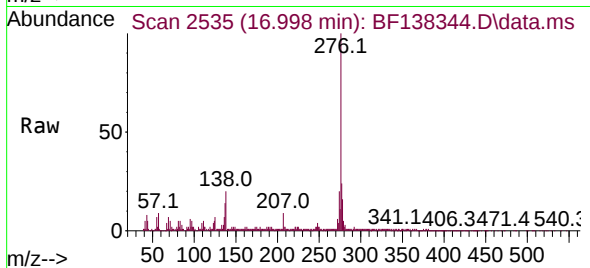
Tgt Ion:276 Resp: 121091

Ion Ratio Lower Upper

276 100

138 20.8 19.3 28.9

277 25.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 20.706 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

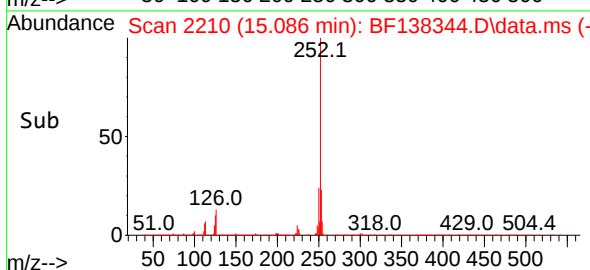
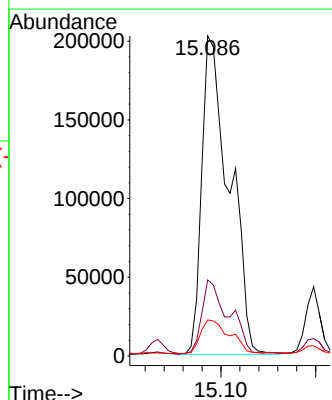
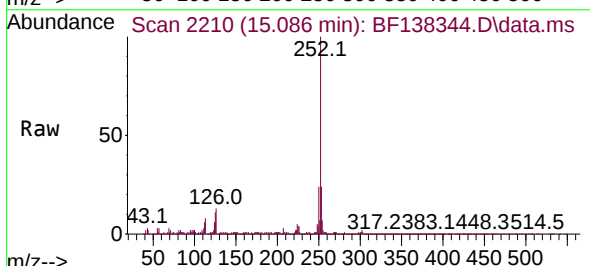
Tgt Ion:252 Resp: 408306

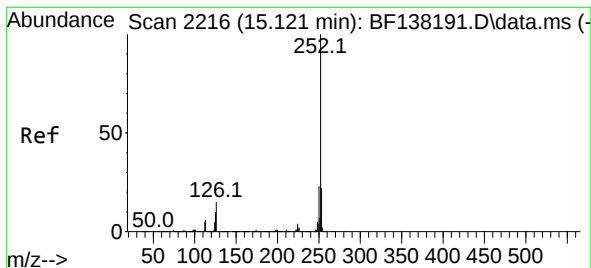
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 11.2 7.8 11.8





#89

Benzo(k)fluoranthene

Concen: 21.128 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

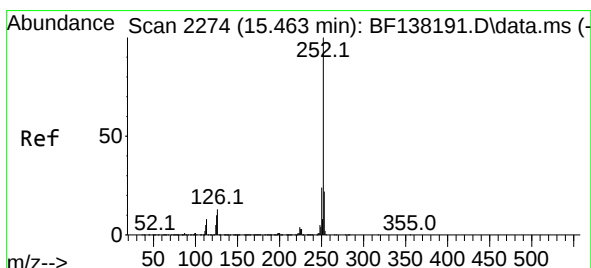
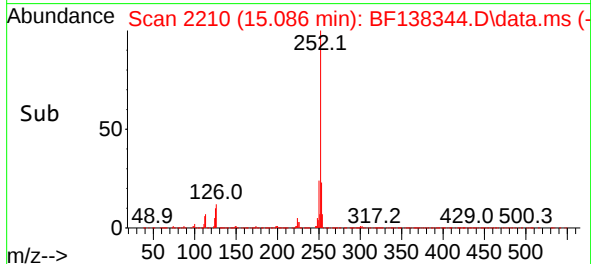
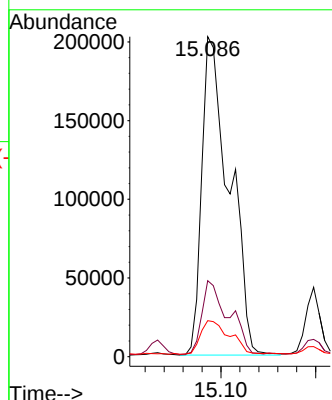
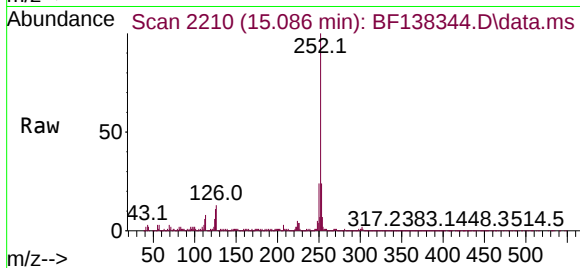
Tgt Ion:252 Resp: 408306

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 11.2 8.0 12.0



#90

Benzo(a)pyrene

Concen: 12.641 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

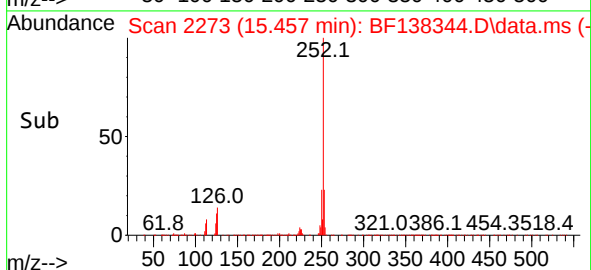
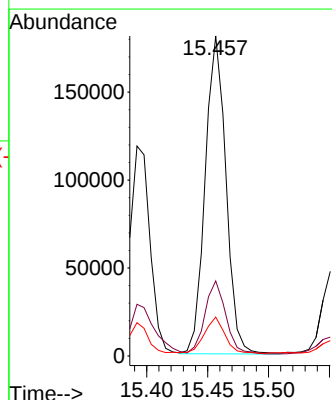
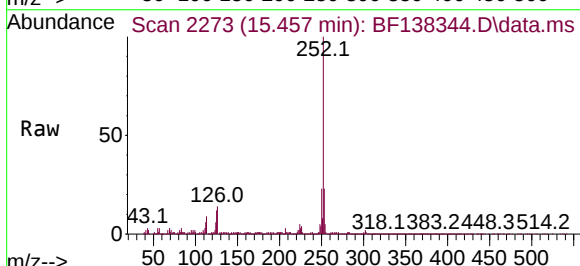
Tgt Ion:252 Resp: 214151

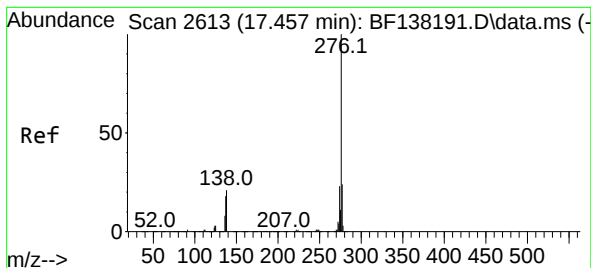
Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 12.1 8.2 12.2





#92

Benzo(g,h,i)perylene

Concen: 6.397 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138344.D

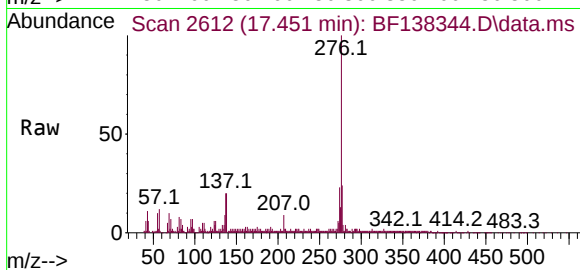
Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015



Tgt Ion:276 Resp: 118416

Ion Ratio Lower Upper

276 100

277 24.0 19.5 29.3

138 19.9 16.6 24.8

