

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138345.D
 Acq On : 25 Jun 2024 20:38
 Operator : CG\JU
 Sample : P3021-07 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-006

Quant Time: Jun 26 01:02:41 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)

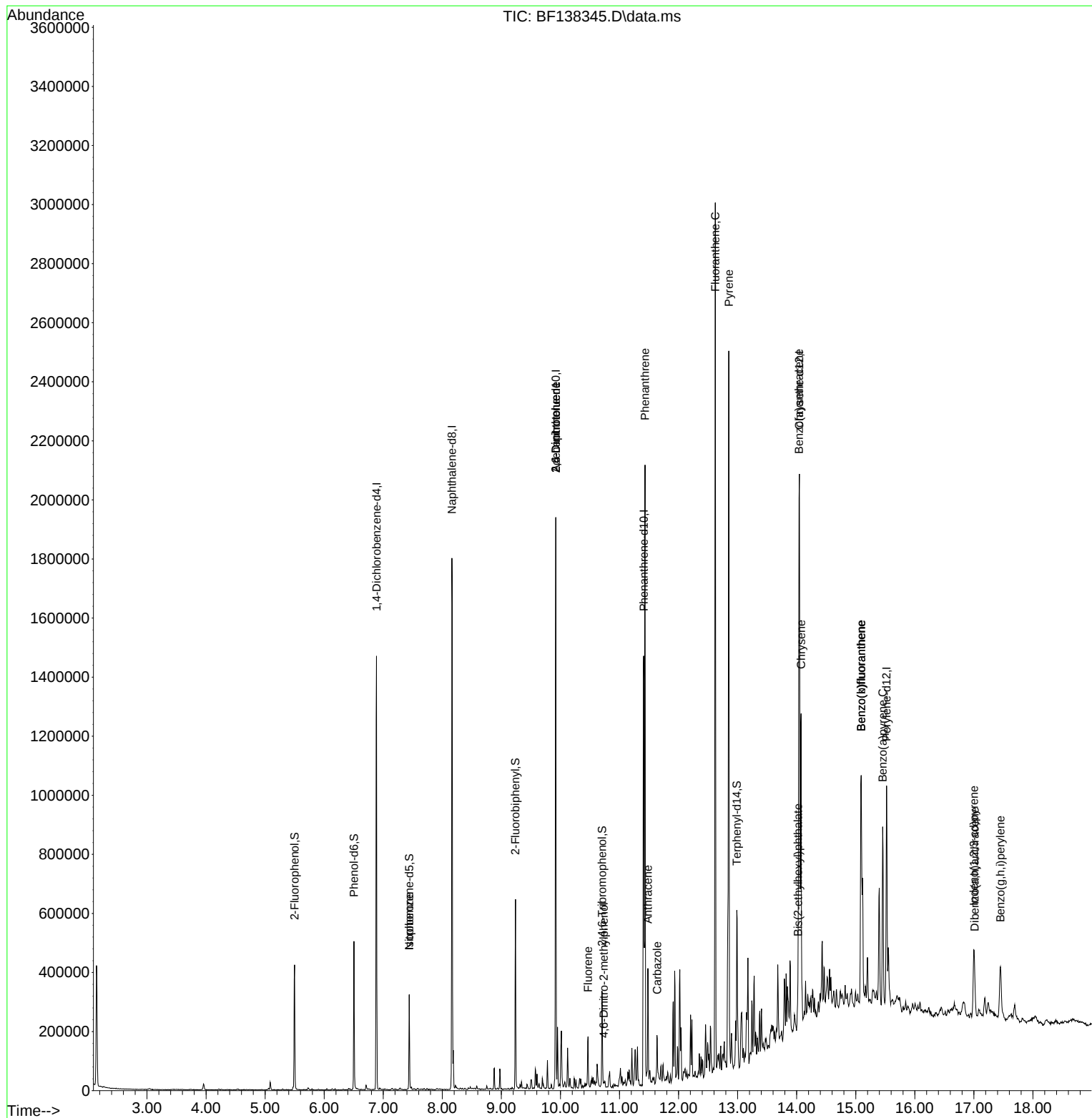
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	216617	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	801197	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	373042	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	575569	20.000	ng	0.00
76) Chrysene-d12	14.045	240	413835	20.000	ng	0.00
86) Perylene-d12	15.521	264	335202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	124881	9.644	ng	-0.01
7) Phenol-d6	6.504	99	150302	9.154	ng	-0.02
23) Nitrobenzene-d5	7.439	82	86431	6.280	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	30860	8.310	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	187450	7.990	ng	-0.01
79) Terphenyl-d14	12.986	244	187412	7.173	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.439	82	86430	3.472	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	49700	10.023	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	49700	8.126	ng	# 31
58) Fluorene	10.469	166	47697	2.098	ng	97
65) 4,6-Dinitro-2-methylph...	10.733	198	278	7.015	ng	# 44
71) Phenanthrene	11.433	178	752367	26.432	ng	97
72) Anthracene	11.480	178	139329	4.930	ng	97
73) Carbazole	11.639	167	67117	2.589	ng	97
75) Fluoranthene	12.621	202	1069691	36.854	ng	99
78) Pyrene	12.851	202	920572	25.789	ng	98
81) Benzo(a)anthracene	14.039	228	492266	18.541	ng	98
83) Chrysene	14.074	228	440468	17.405	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	22986	2.035	ng	94
87) Indeno(1,2,3-cd)pyrene	17.004	276	176021	8.055	ng	95
88) Benzo(b)fluoranthene	15.092	252	609994	30.859	ng	98
89) Benzo(k)fluoranthene	15.092	252	609994	31.488	ng	98
90) Benzo(a)pyrene	15.457	252	288141	16.967	ng	97
91) Dibenzo(a,h)anthracene	17.015	278	46282	2.580	ng	92
92) Benzo(g,h,i)perylene	17.451	276	158866	8.562	ng	97

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

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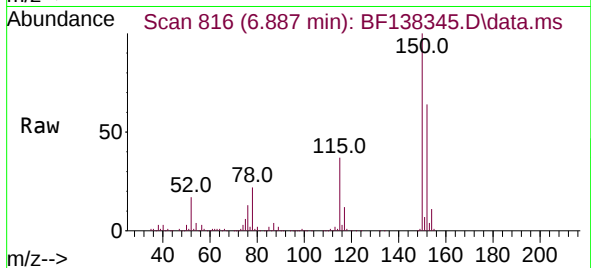
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
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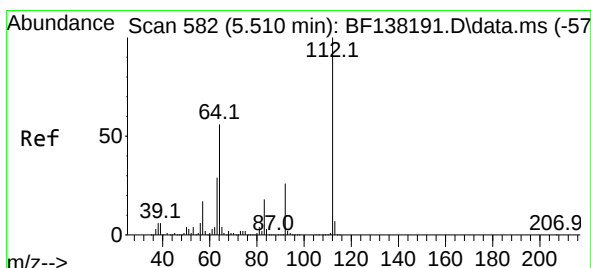
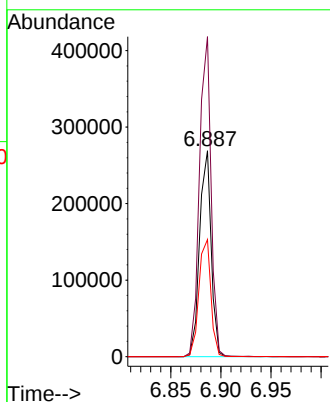
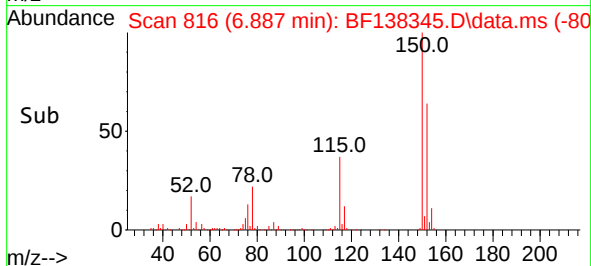


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

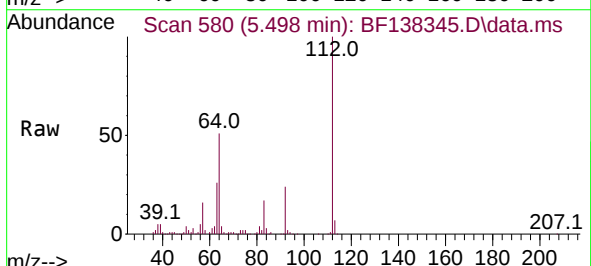
Instrument :
BNA_F
ClientSampleId :
ARS20-006



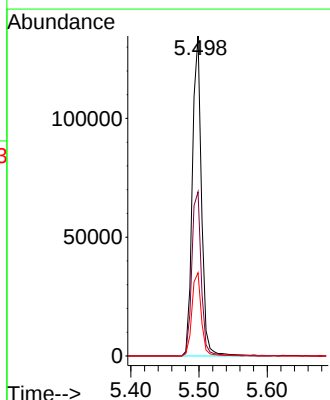
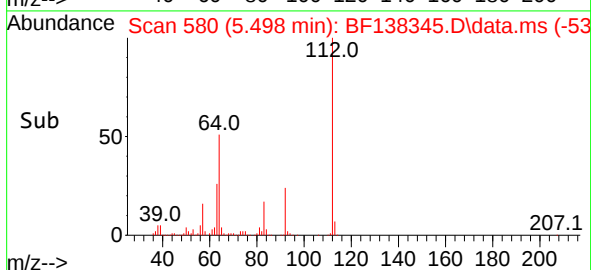
Tgt Ion:152 Resp: 216617
Ion Ratio Lower Upper
152 100
150 155.4 125.0 187.4
115 56.9 48.4 72.6



#5
2-Fluorophenol
Concen: 9.644 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38



Tgt Ion:112 Resp: 124881
Ion Ratio Lower Upper
112 100
64 51.3 45.2 67.8
63 26.0 22.9 34.3

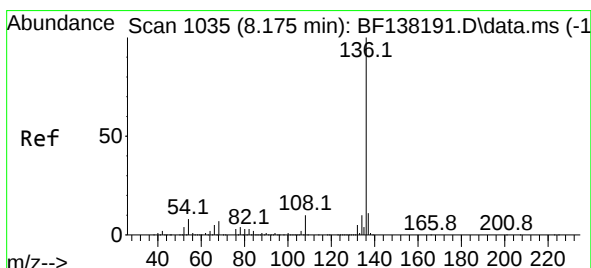
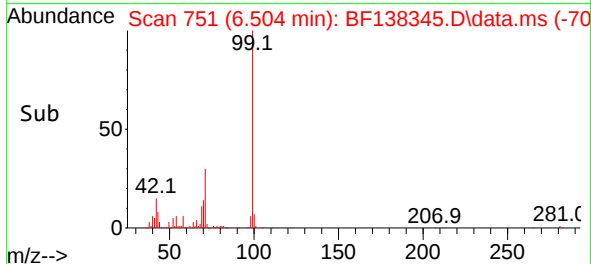
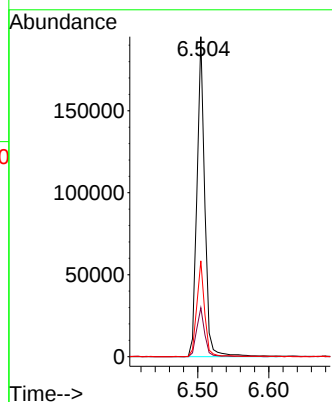
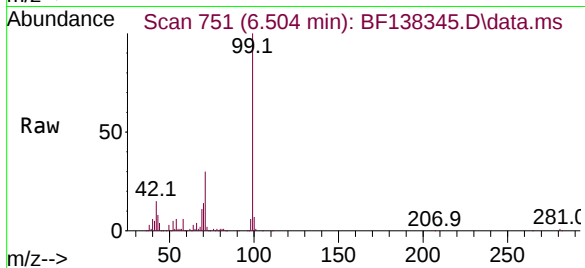




#7
Phenol-d6
Concen: 9.154 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

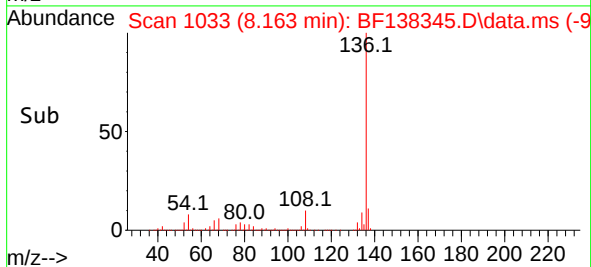
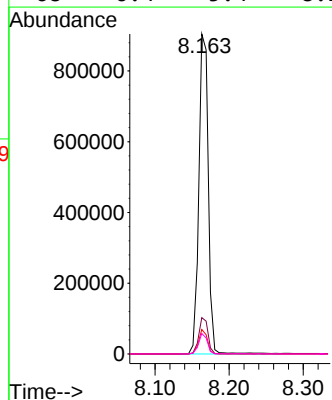
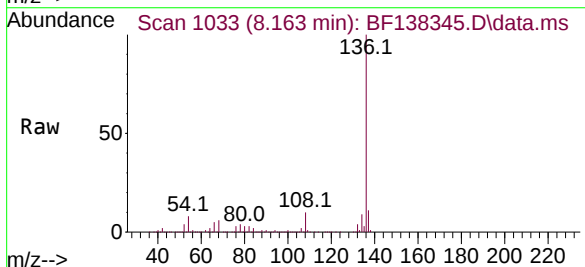
Instrument :
BNA_F
ClientSampleId :
ARS20-006

Tgt Ion: 99 Resp: 150302
Ion Ratio Lower Upper
99 100
42 15.3 13.7 20.5
71 29.9 25.0 37.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Tgt Ion:136 Resp: 801197
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.6 6.6 10.0
68 6.4 5.4 8.2

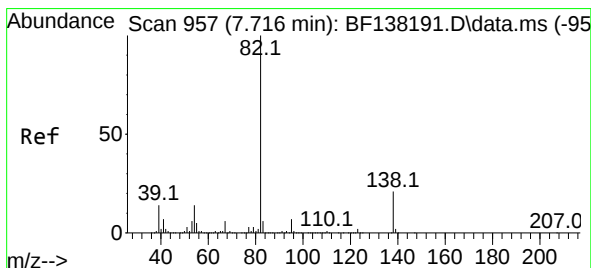
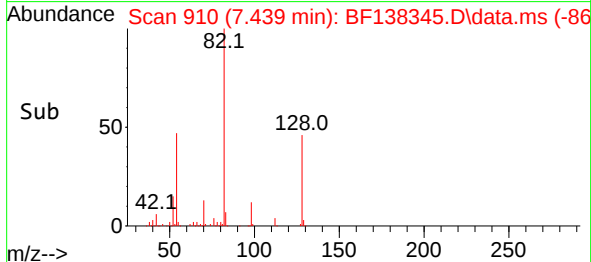
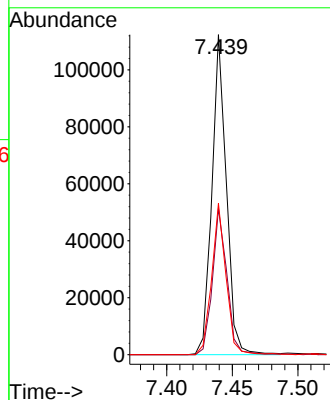
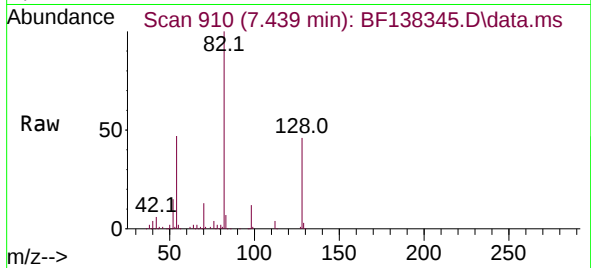




#23
Nitrobenzene-d5
Concen: 6.280 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

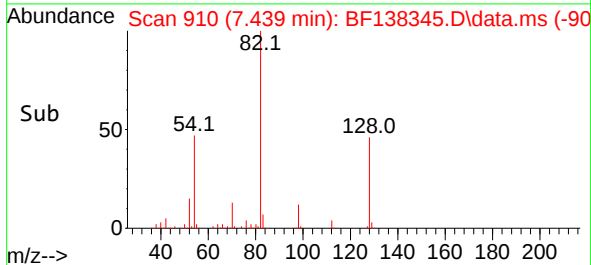
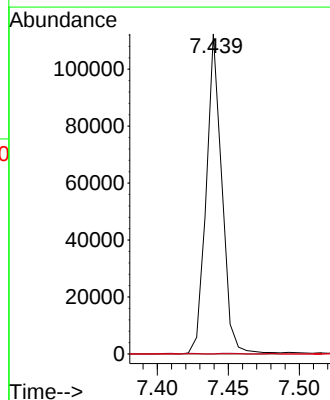
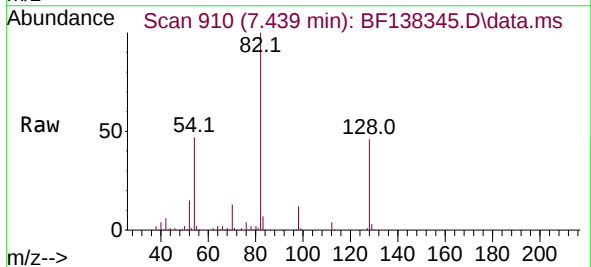
Instrument :
BNA_F
ClientSampleId :
ARS20-006

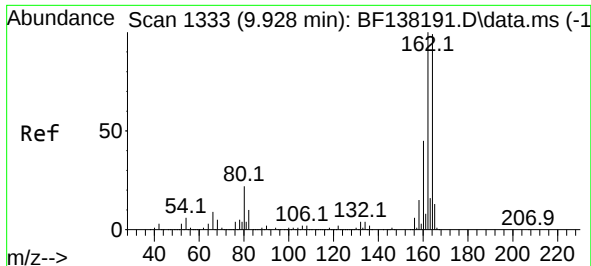
Tgt Ion: 82 Resp: 86431
Ion Ratio Lower Upper
82 100
128 45.7 37.2 55.8
54 47.3 39.8 59.6



#25
Isophorone
Concen: 3.472 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.277 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Tgt Ion: 82 Resp: 86430
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#

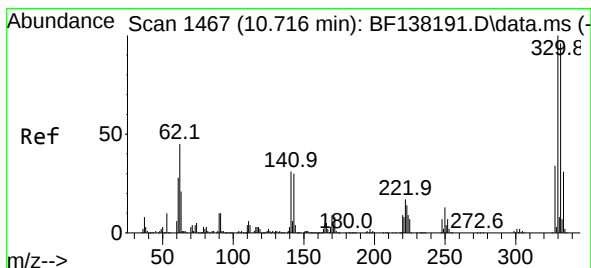
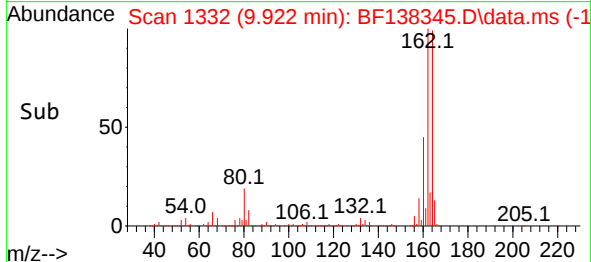
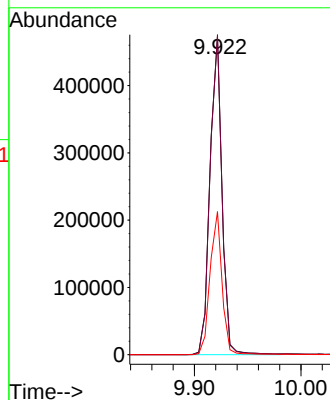
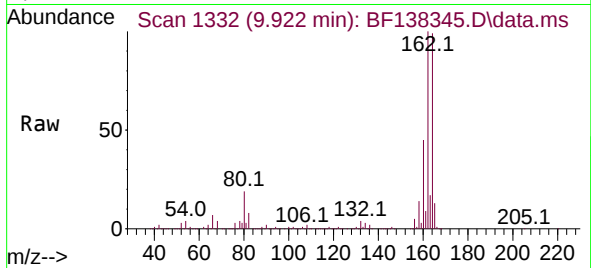




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

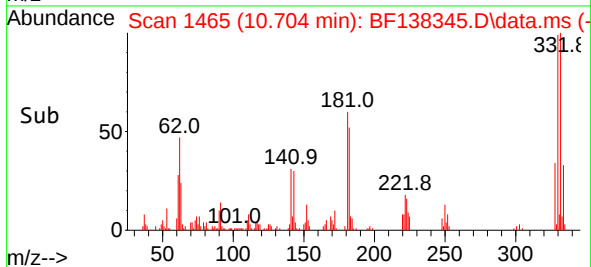
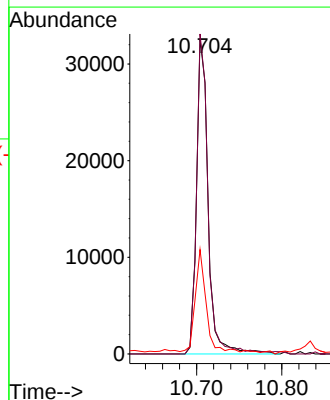
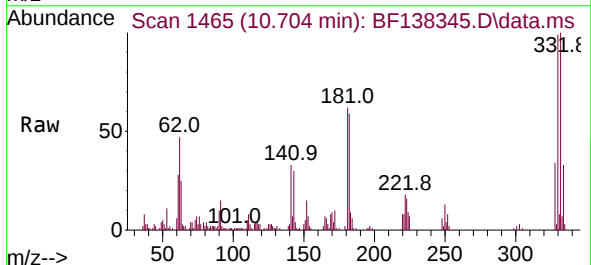
Instrument :
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ClientSampleId :
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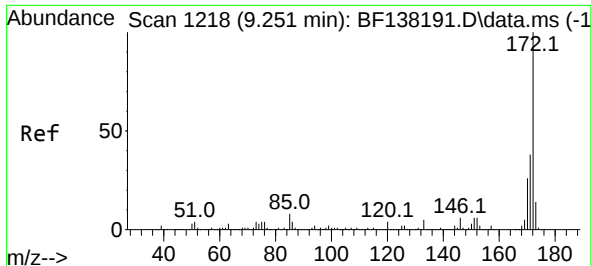
Tgt Ion:164 Resp: 373042
Ion Ratio Lower Upper
164 100
162 100.5 80.6 121.0
160 44.9 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 8.310 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Tgt Ion:330 Resp: 30860
Ion Ratio Lower Upper
330 100
332 100.1 76.6 115.0
141 29.6 23.9 35.9

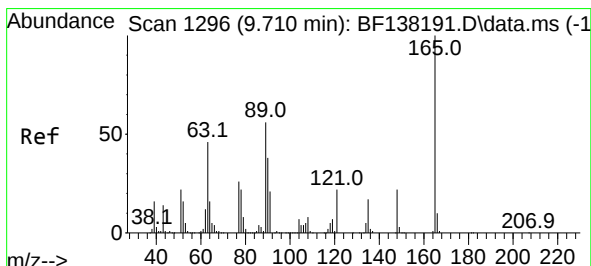
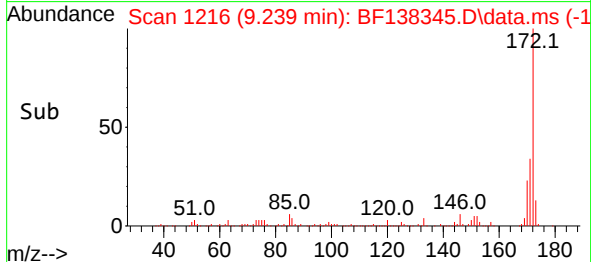
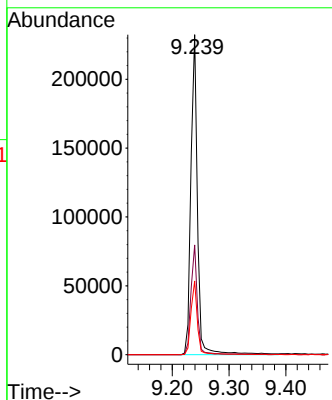
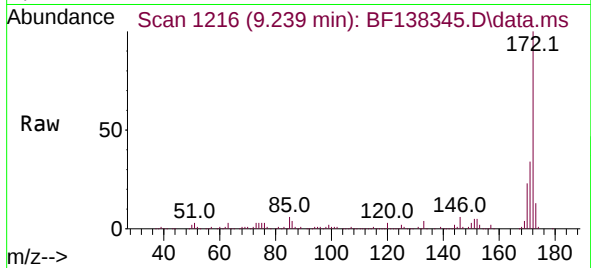




#45
2-Fluorobiphenyl
Concen: 7.990 ng
RT: 9.239 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

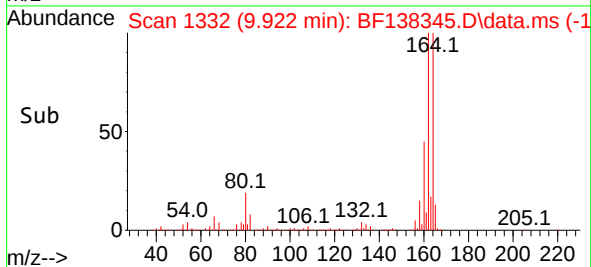
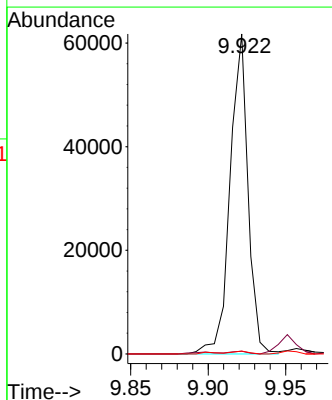
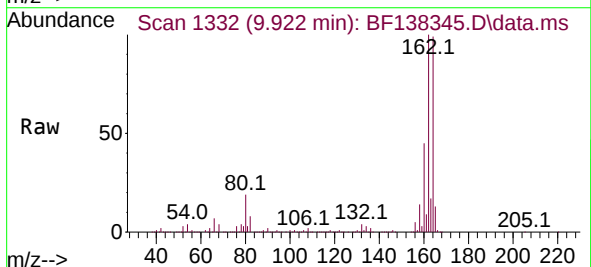
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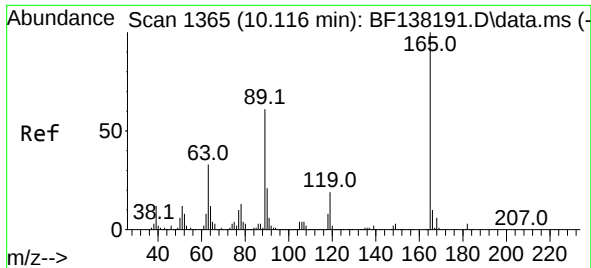
Tgt Ion:172 Resp: 187450
Ion Ratio Lower Upper
172 100
171 34.3 30.3 45.5
170 23.0 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 10.023 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.212 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Tgt Ion:165 Resp: 49700
Ion Ratio Lower Upper
165 100
63 0.9 43.7 65.5#
89 0.9 44.9 67.3#

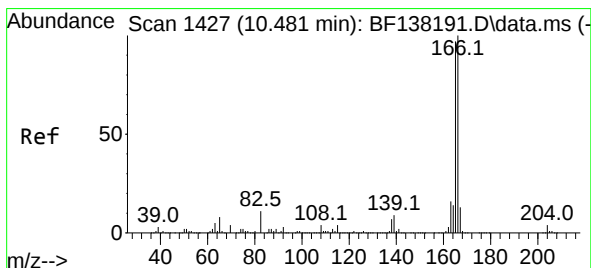
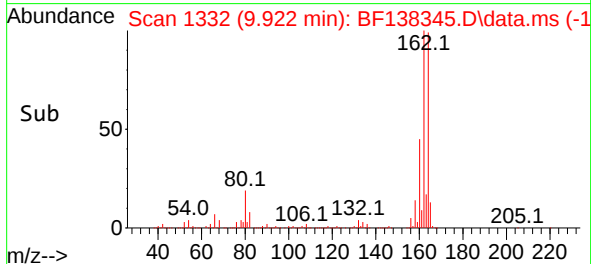
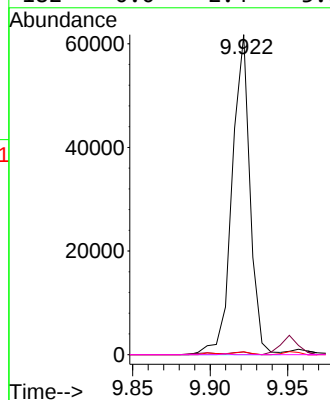
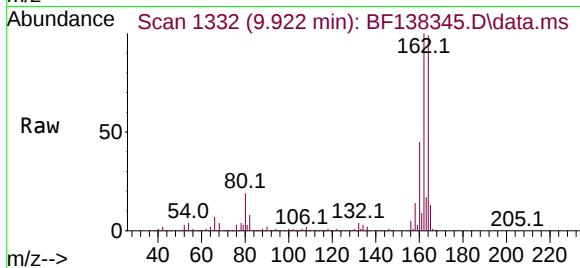




#57
2,4-Dinitrotoluene
Concen: 8.126 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

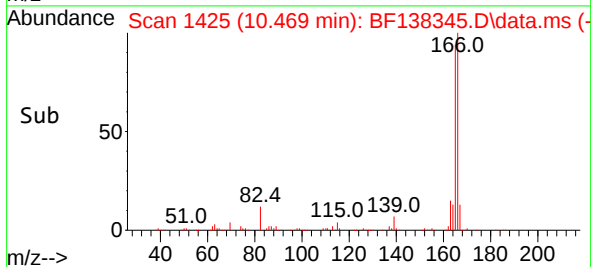
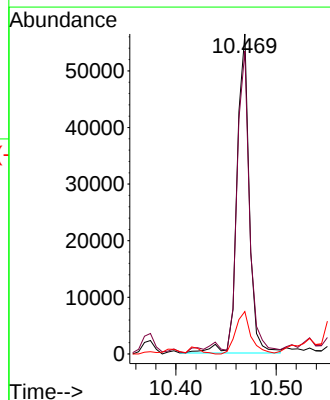
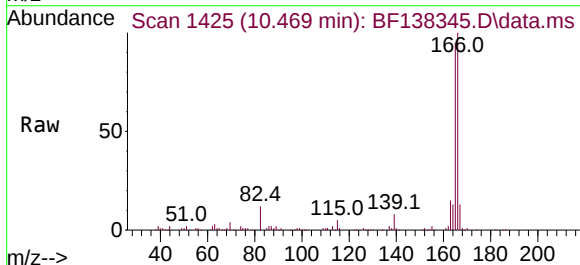
Instrument :
BNA_F
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Tgt Ion:165 Resp: 49700
Ion Ratio Lower Upper
165 100
63 0.9 26.6 39.8#
89 0.9 48.7 73.1#
182 0.0 2.4 3.6#



#58
Fluorene
Concen: 2.098 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF138345.D
Acq: 25 Jun 2024 20:38

Tgt Ion:166 Resp: 47697
Ion Ratio Lower Upper
166 100
165 94.6 77.9 116.9
167 13.3 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

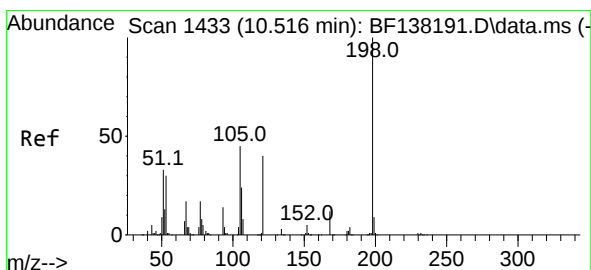
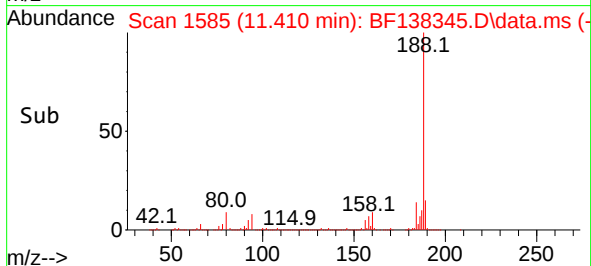
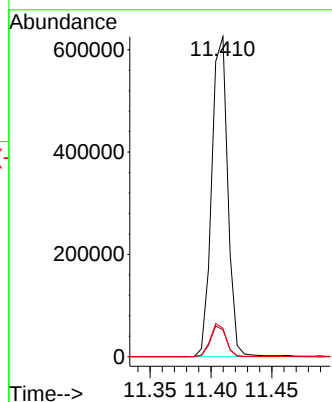
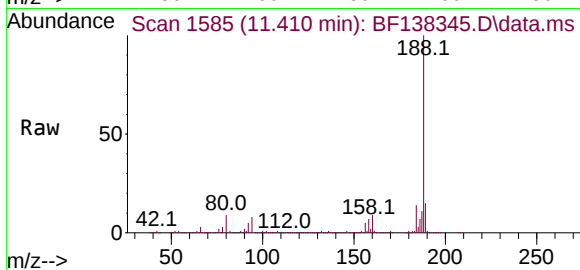
Tgt Ion:188 Resp: 575569

Ion Ratio Lower Upper

188 100

94 8.4 7.6 11.4

80 8.9 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.015 ng

RT: 10.733 min Scan# 1470

Delta R.T. 0.217 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

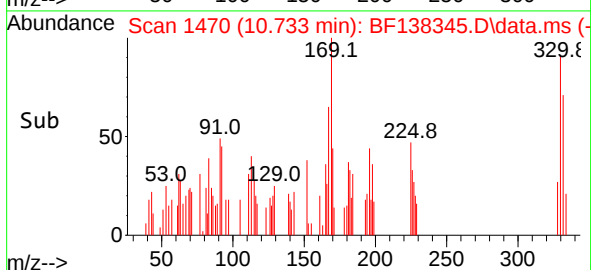
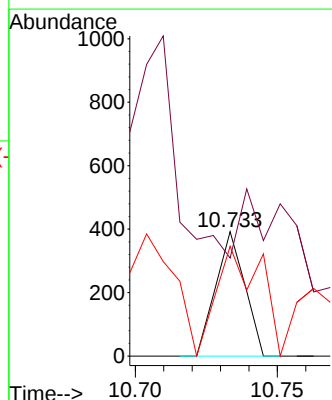
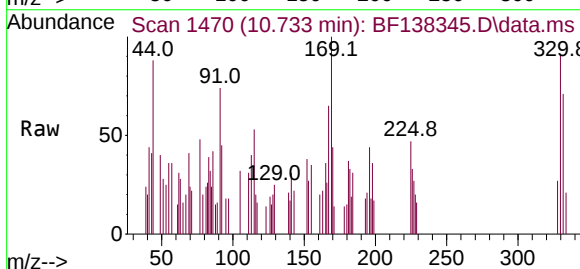
Tgt Ion:198 Resp: 278

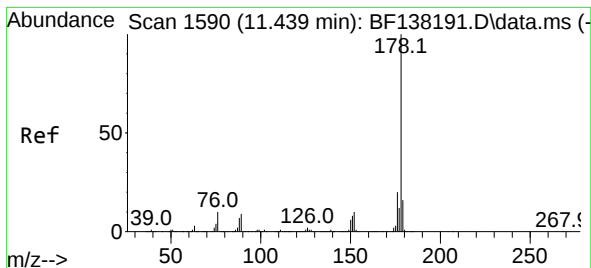
Ion Ratio Lower Upper

198 100

51 78.8 26.9 66.9#

105 88.3 26.0 66.0#





#71

Phenanthrene

Concen: 26.432 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

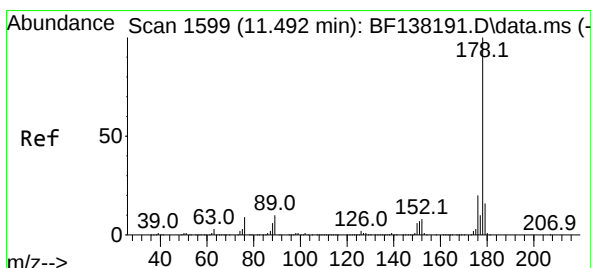
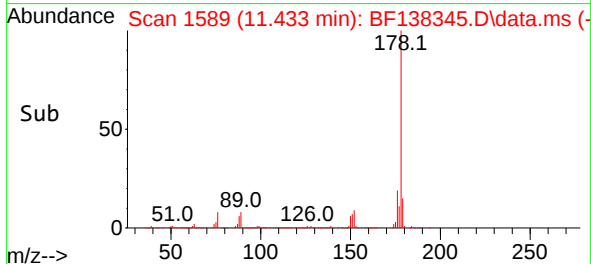
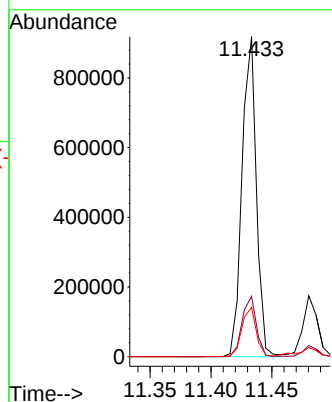
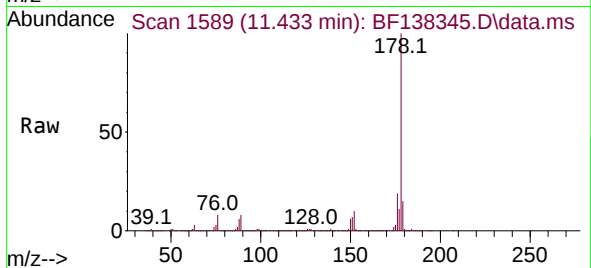
Tgt Ion:178 Resp: 752367

Ion Ratio Lower Upper

178 100

176 18.8 16.4 24.6

179 15.4 13.1 19.7



#72

Anthracene

Concen: 4.930 ng

RT: 11.480 min Scan# 1597

Delta R.T. -0.012 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

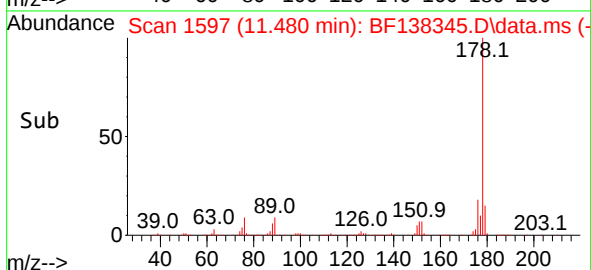
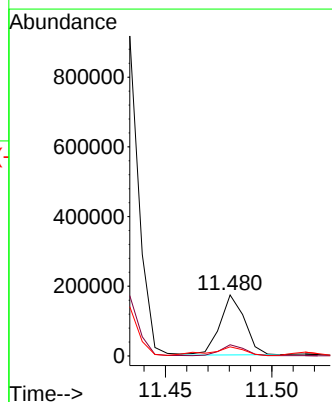
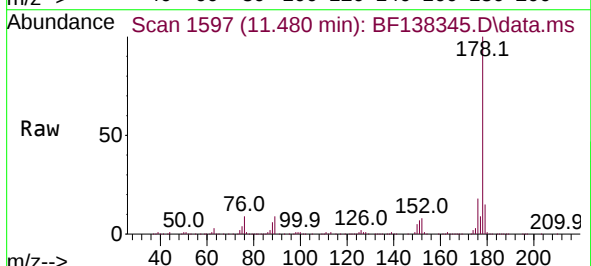
Tgt Ion:178 Resp: 139329

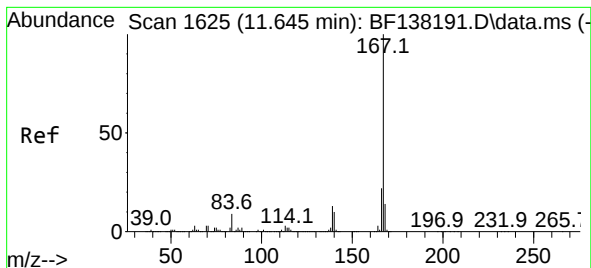
Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

179 15.0 13.0 19.6





#73

Carbazole

Concen: 2.589 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

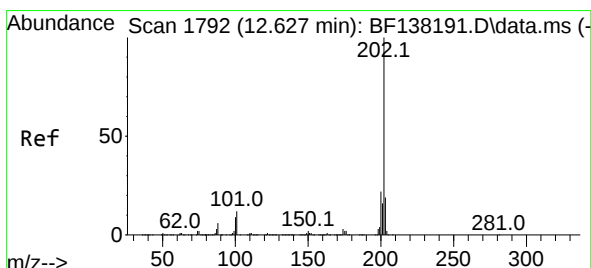
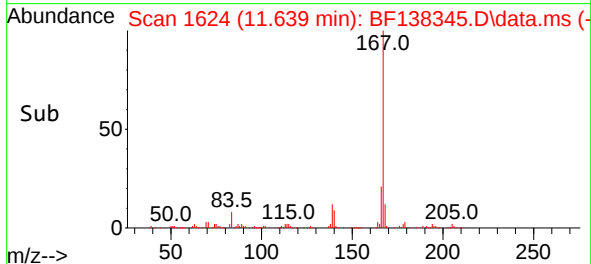
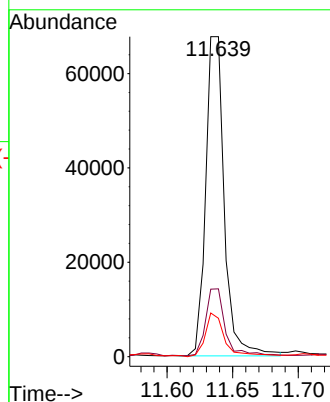
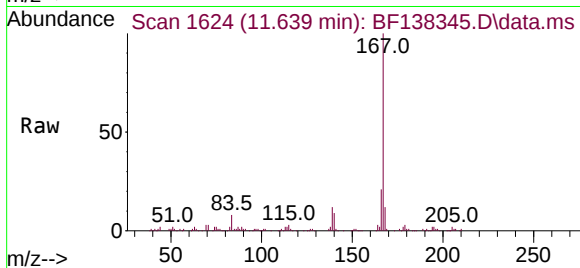
Tgt Ion:167 Resp: 67117

Ion Ratio Lower Upper

167 100

166 21.2 18.0 27.0

139 12.0 10.6 16.0



#75

Fluoranthene

Concen: 36.854 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

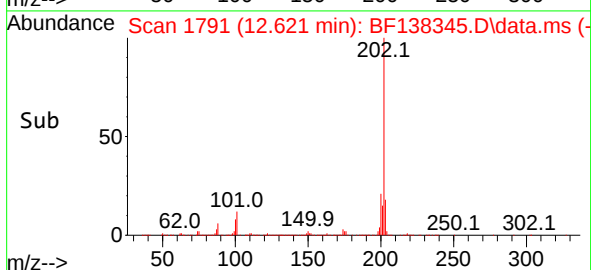
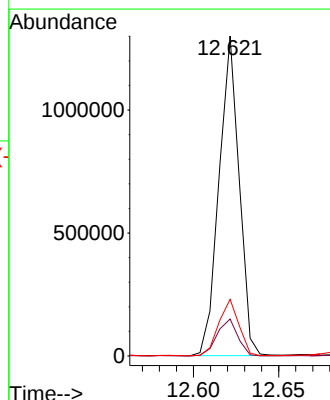
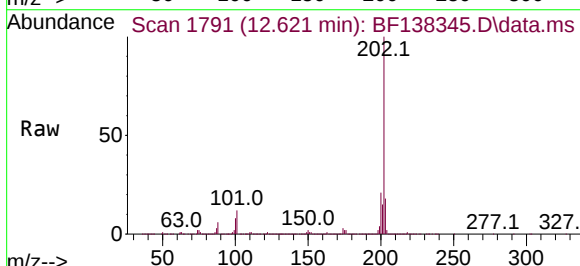
Tgt Ion:202 Resp: 1069691

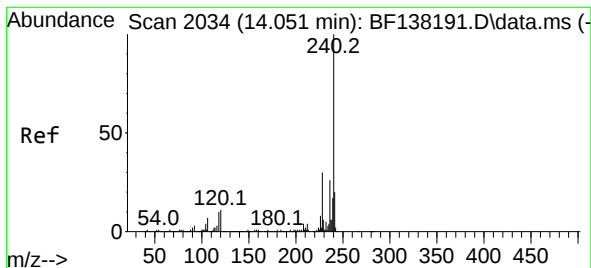
Ion Ratio Lower Upper

202 100

101 11.6 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: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

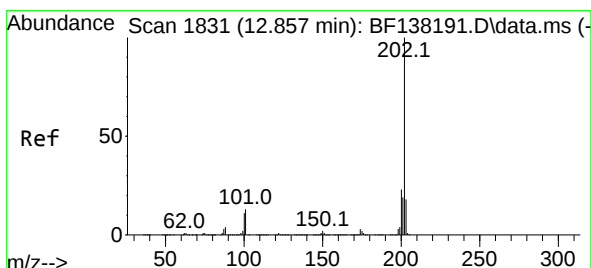
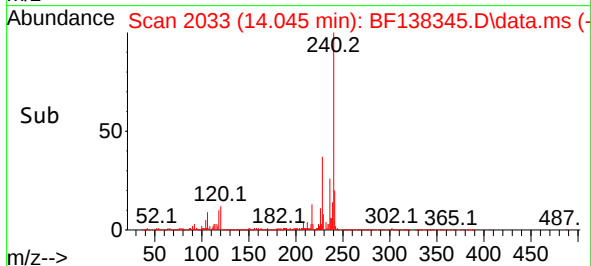
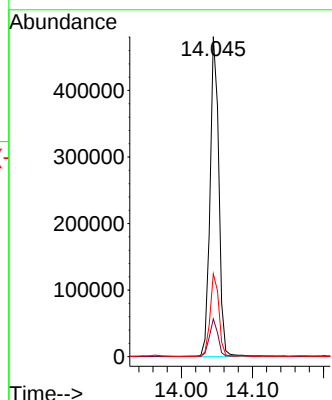
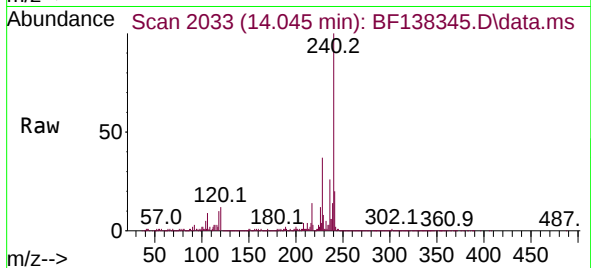
Tgt Ion:240 Resp: 413835

Ion Ratio Lower Upper

240 100

120 11.8 9.2 13.8

236 25.9 21.0 31.6



#78

Pyrene

Concen: 25.789 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

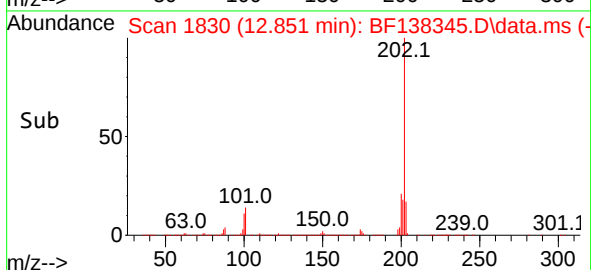
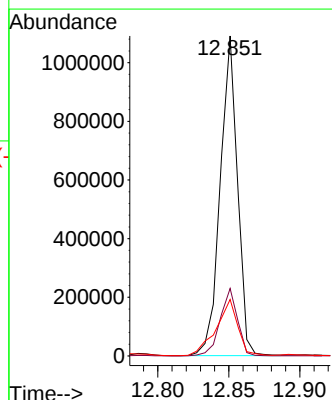
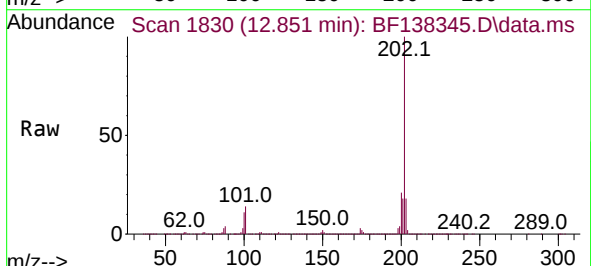
Tgt Ion:202 Resp: 920572

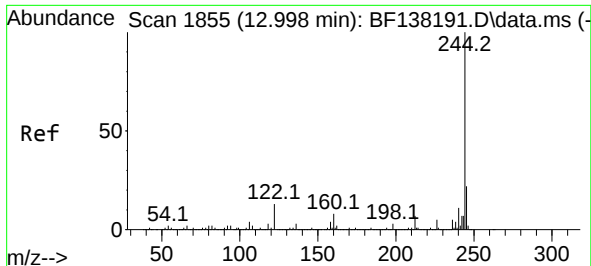
Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

203 17.7 14.7 22.1

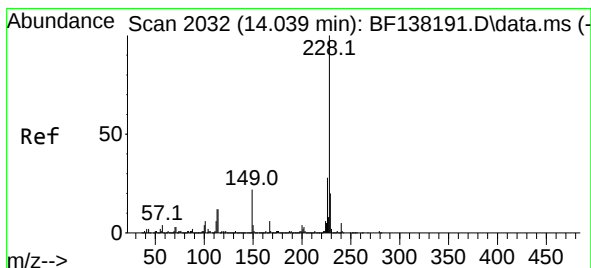
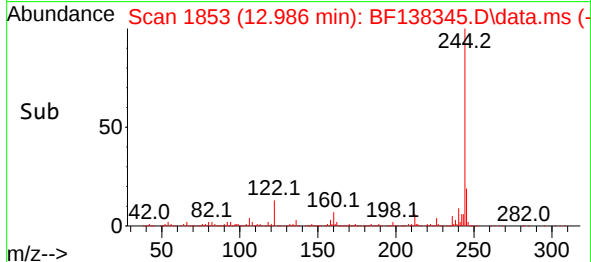
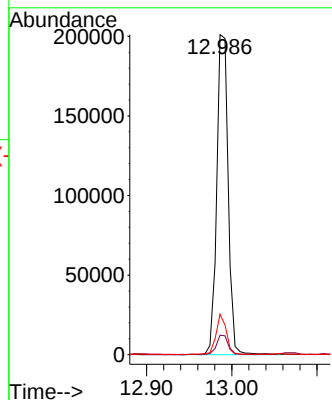
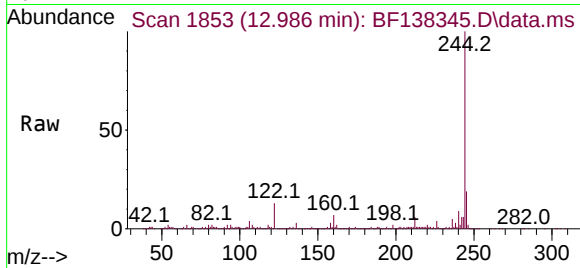




#79
 Terphenyl-d14
 Concen: 7.173 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.012 min
 Lab File: BF138345.D
 Acq: 25 Jun 2024 20:38

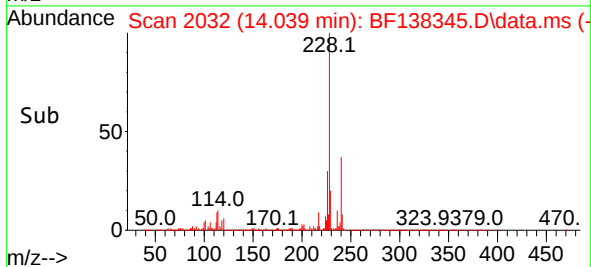
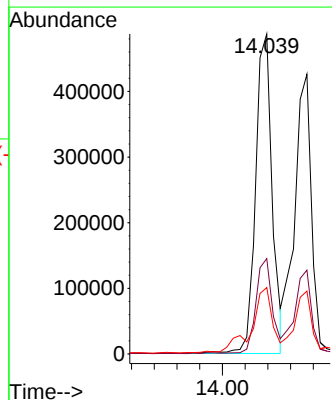
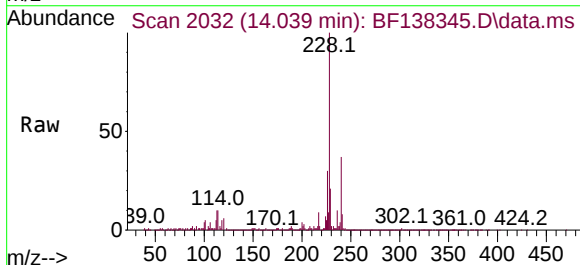
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-006

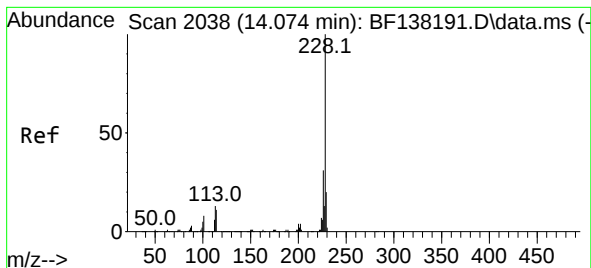
Tgt Ion:244 Resp: 187412
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.9 8.9
 122 12.6 10.6 15.8



#81
 Benzo(a)anthracene
 Concen: 18.541 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF138345.D
 Acq: 25 Jun 2024 20:38

Tgt Ion:228 Resp: 492266
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.5 33.7
 229 20.7 16.3 24.5





#83

Chrysene

Concen: 17.405 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

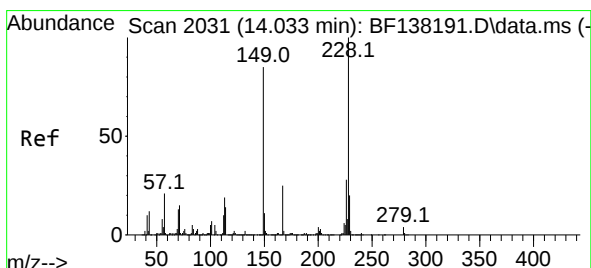
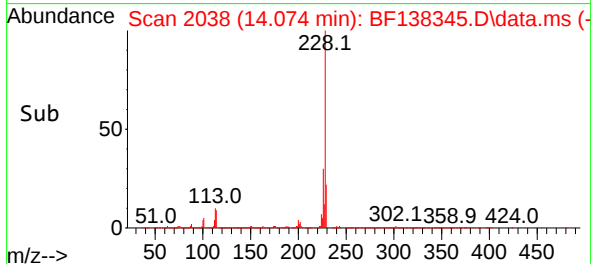
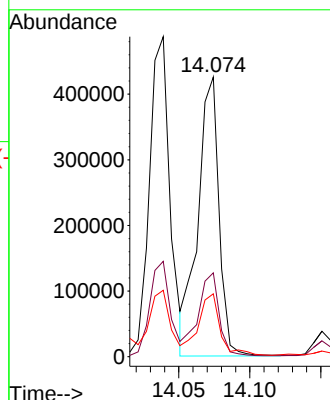
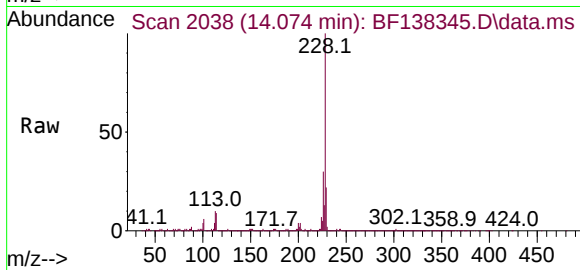
Tgt Ion:228 Resp: 440468

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 22.5 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.035 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.012 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

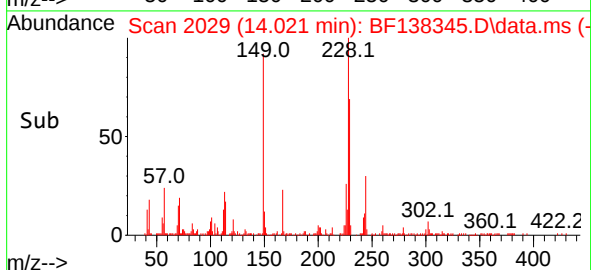
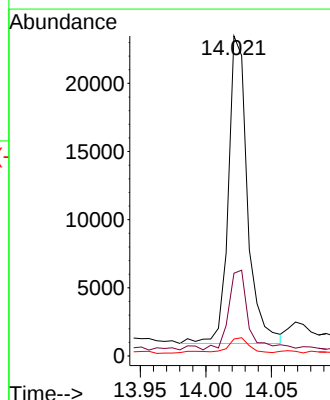
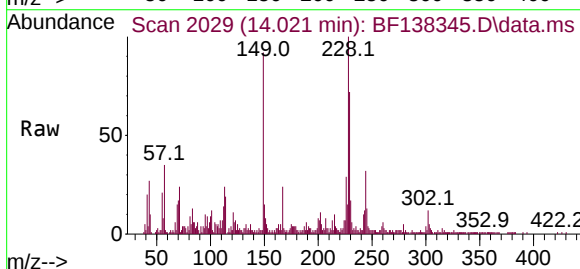
Tgt Ion:149 Resp: 22986

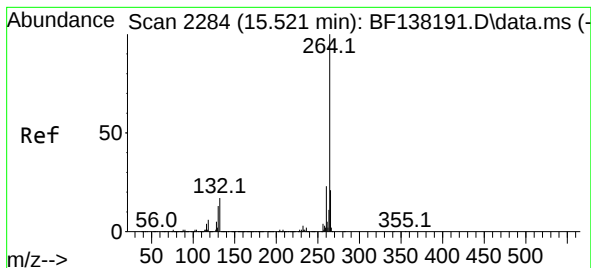
Ion Ratio Lower Upper

149 100

167 25.9 23.5 35.3

279 5.3 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

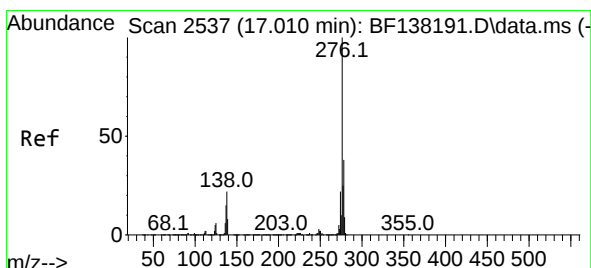
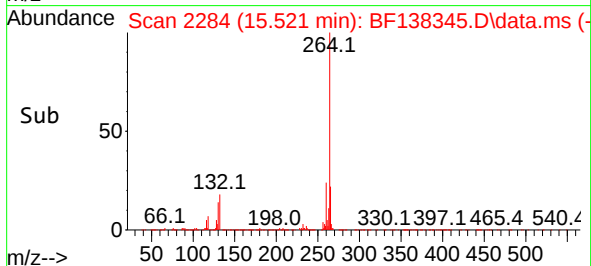
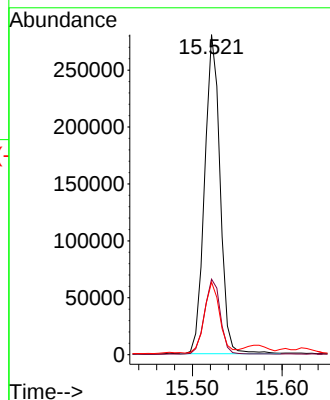
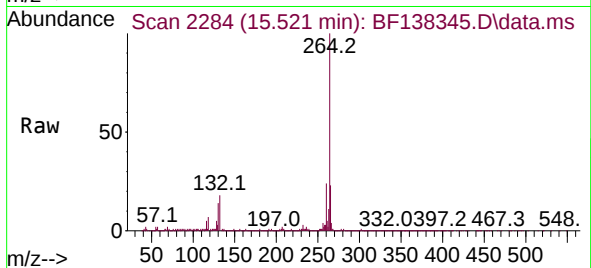
Tgt Ion:264 Resp: 335202

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.7 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.055 ng

RT: 17.004 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

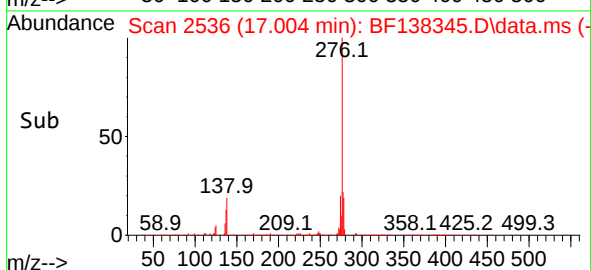
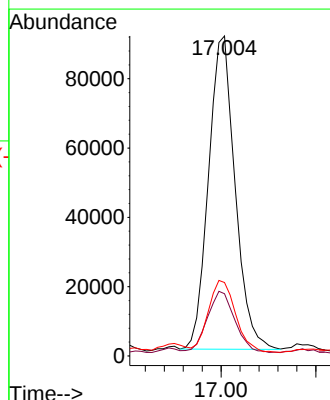
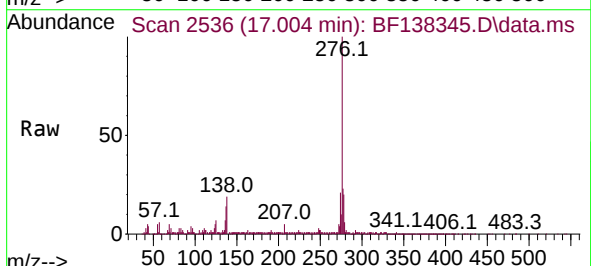
Tgt Ion:276 Resp: 176021

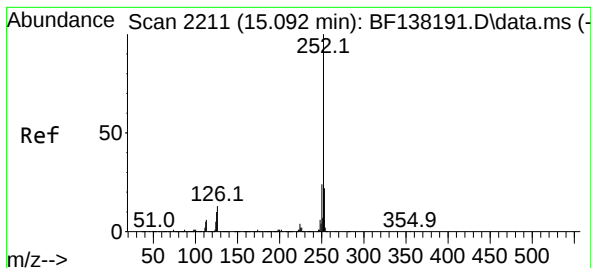
Ion Ratio Lower Upper

276 100

138 20.4 19.3 28.9

277 23.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 30.859 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNF

ClientSampleId :

ARS20-006

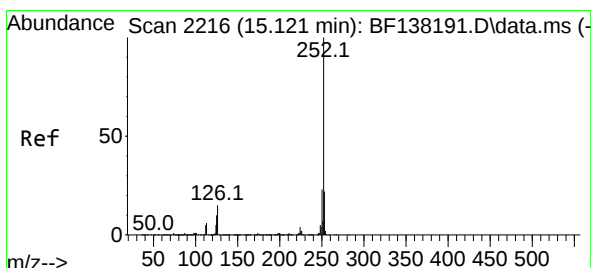
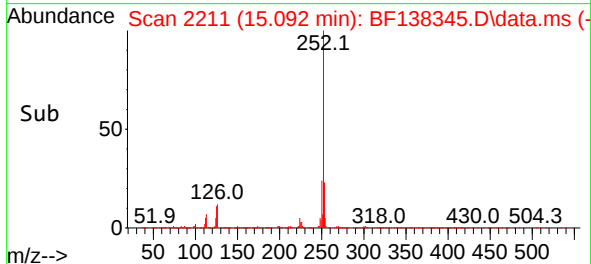
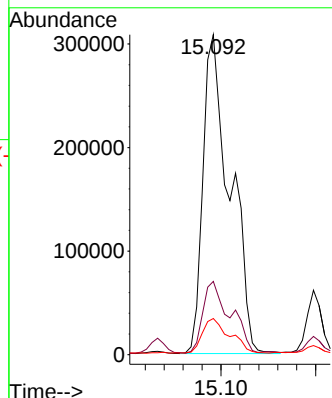
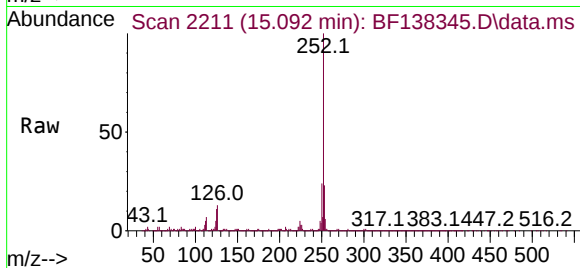
Tgt Ion:252 Resp: 609994

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.3 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 31.488 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.030 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

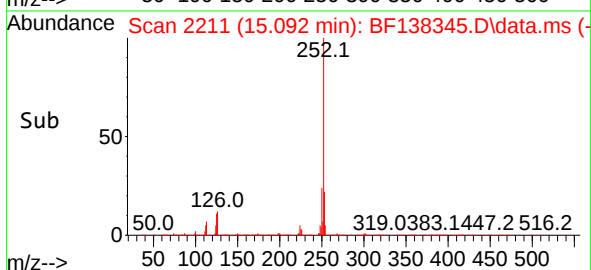
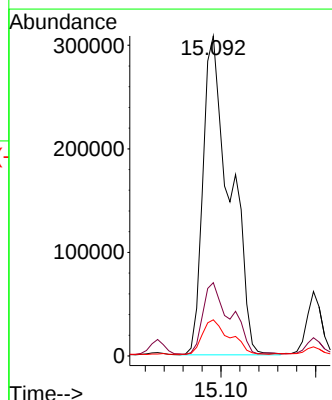
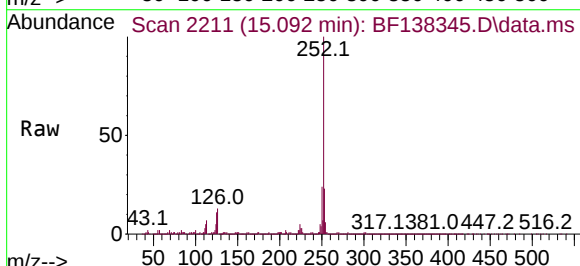
Tgt Ion:252 Resp: 609994

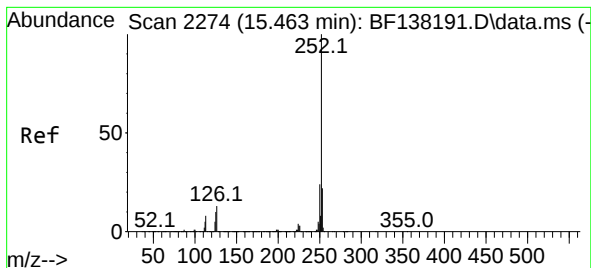
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 11.3 8.0 12.0





#90

Benzo(a)pyrene

Concen: 16.967 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

Instrument :

BNA_F

ClientSampleId :

ARS20-006

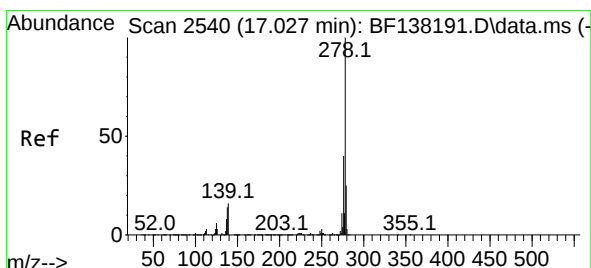
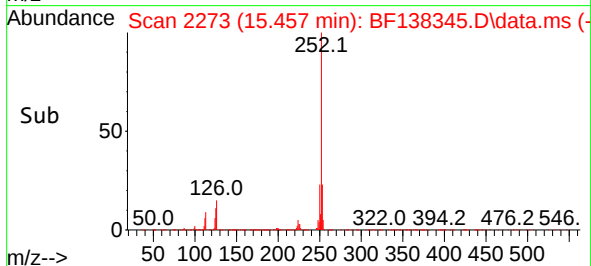
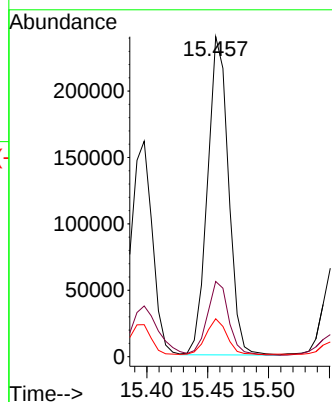
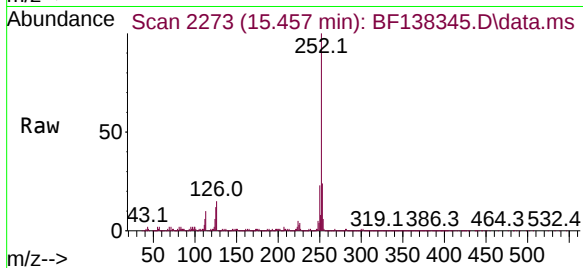
Tgt Ion:252 Resp: 288141

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 11.8 8.2 12.2



#91

Dibenzo(a,h)anthracene

Concen: 2.580 ng

RT: 17.015 min Scan# 2538

Delta R.T. -0.012 min

Lab File: BF138345.D

Acq: 25 Jun 2024 20:38

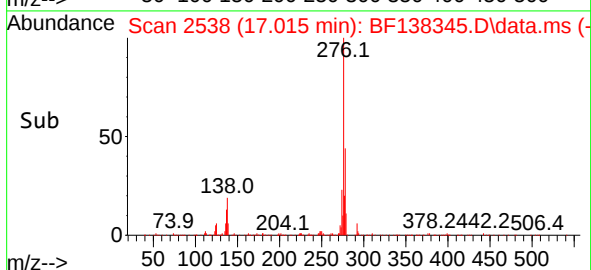
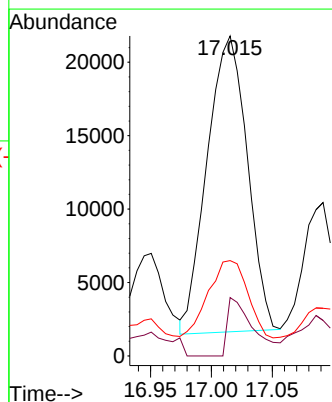
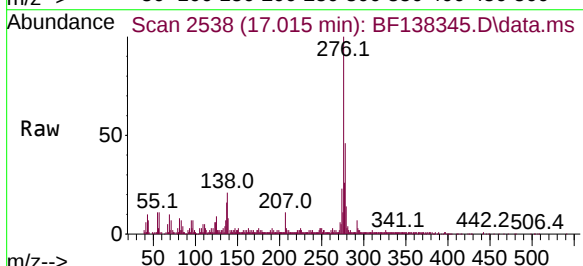
Tgt Ion:278 Resp: 46282

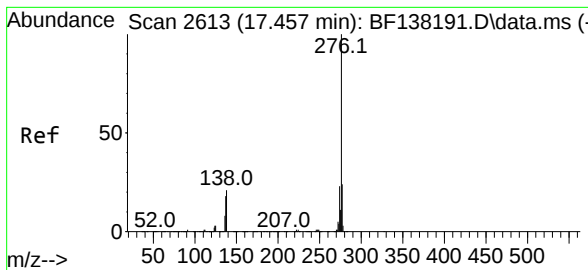
Ion Ratio Lower Upper

278 100

139 18.2 12.9 19.3

279 29.8 19.9 29.9





#92
 Benzo(g,h,i)perylene
 Concen: 8.562 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF138345.D
 Acq: 25 Jun 2024 20:38

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-006

Tgt Ion:	276	Resp:	158866
Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.5	29.3
138	23.6	16.6	24.8

