

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120622\
 Data File : BG055908.D
 Acq On : 6 Dec 2022 18:05
 Operator : CG/JU
 Sample : N5884-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522MSD

Quant Time: Dec 07 05:11:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 05:04:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

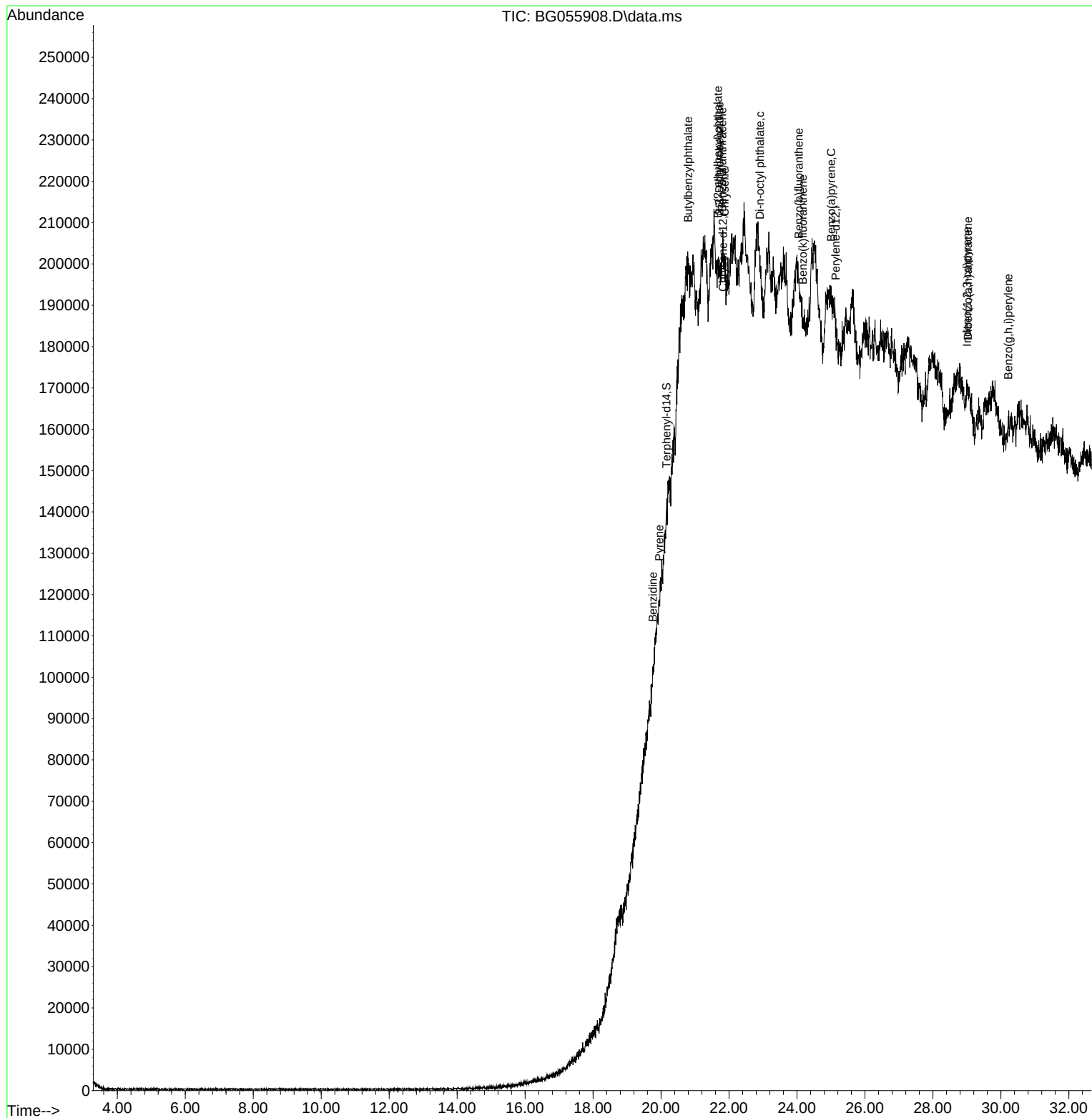
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-8.16
21) Naphthalene-d8	0.000	136	0	0.000	ng	-10.99
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-14.80
64) Phenanthrene-d10	0.000	188	0	0.000	ng	-17.55
76) Chrysene-d12	21.818	240	92	20.000	ng	#-0.01
86) Perylene-d12	25.138	264	166	20.000	ng	#-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0	0.000	ng	
7) Phenol-d6	0.000	99	0	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0	0.000	ng	
79) Terphenyl-d14	20.155	244	268	58.265	ng	0.03
Target Compounds						
						Qvalue
77) Benzidine	19.756	184	301	141.423	ng	# 1
78) Pyrene	19.950	202	531	85.270	ng	# 1
80) Butylbenzylphthalate	20.796	149	485	198.946	ng	# 56
81) Benzo(a)anthracene	21.801	228	945	149.134	ng	# 2
82) 3,3'-Dichlorobenzidine	21.712	252	187	83.986	ng	# 64
83) Chrysene	21.871	228	839	139.083	ng	# 5
84) Bis(2-ethylhexyl)phtha...	21.671	149	907	258.881	ng	# 60
85) Di-n-octyl phthalate	22.905	149	934	155.778	ng	# 1
87) Indeno(1,2,3-cd)pyrene	29.004	276	171	12.574	ng	# 1
88) Benzo(b)fluoranthene	24.051	252	108	9.990	ng	# 1
89) Benzo(k)fluoranthene	24.168	252	925	85.837	ng	# 1
90) Benzo(a)pyrene	25.003	252	344	37.081	ng	# 1
91) Dibenzo(a,h)anthracene	29.027	278	213	19.167	ng	# 1
92) Benzo(g,h,i)perylene	30.214	276	138	12.321	ng	# 17

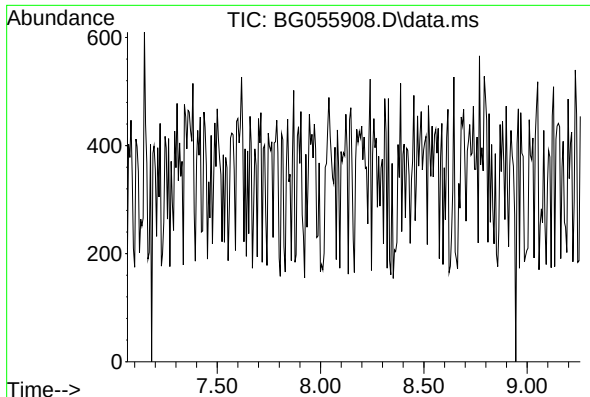
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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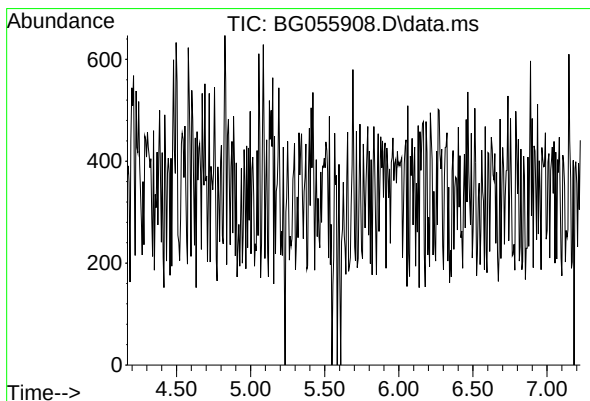
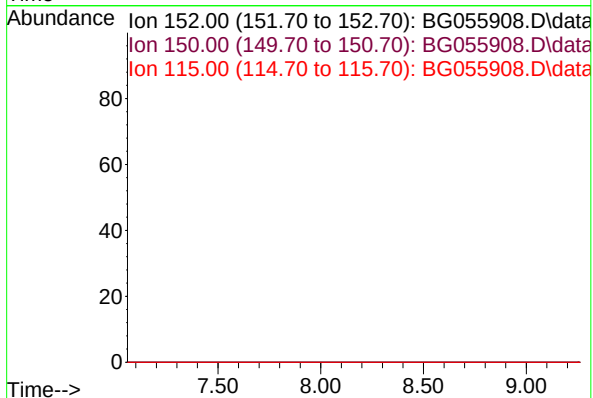




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 8.16 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

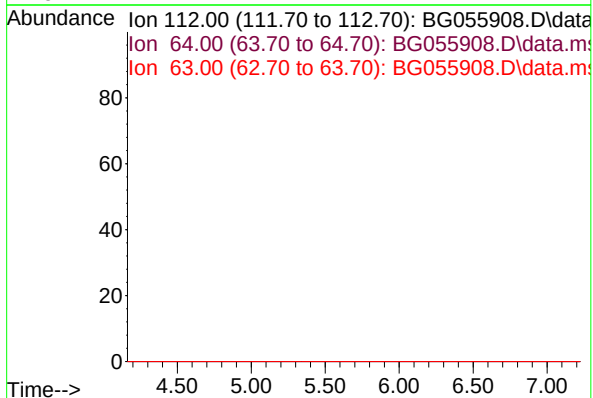
Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522MSD

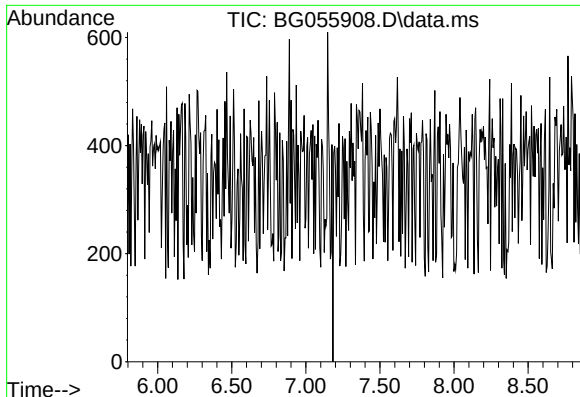
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 153.8
 115 58.7



#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.69 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 63.3
 63 34.4

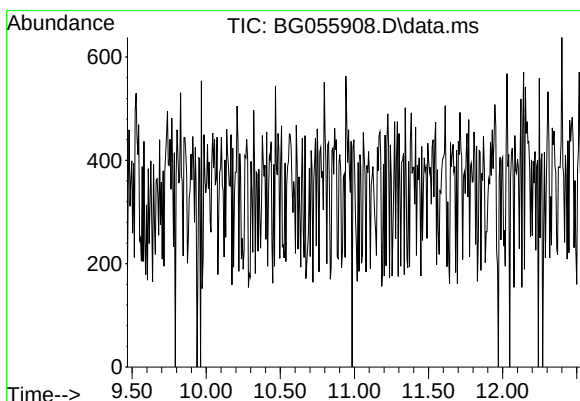
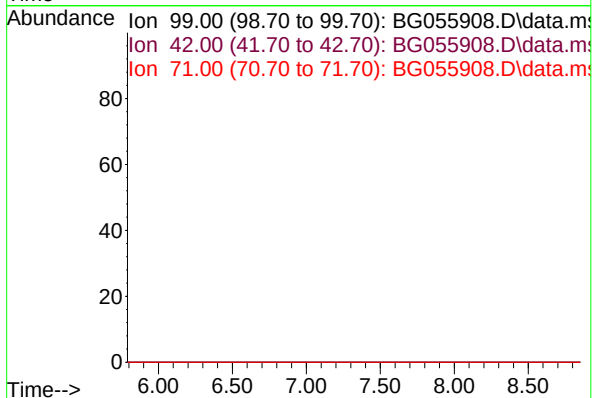




#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 7.32 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

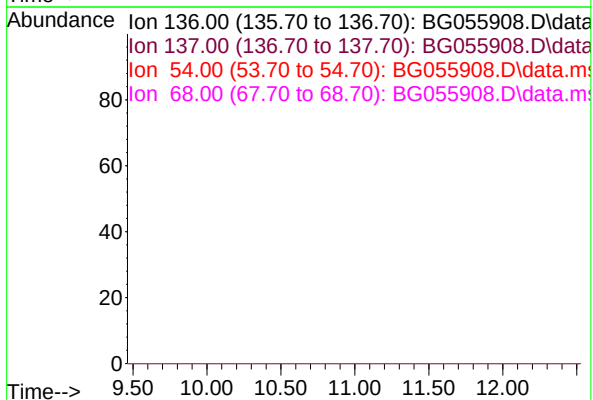
Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522MSD

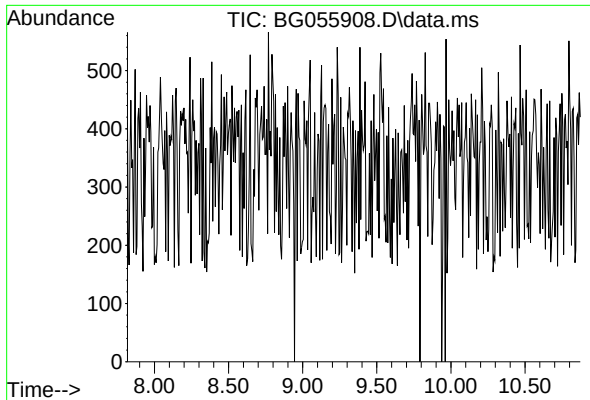
Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 22.5
 71 36.3



#21
 Naphthalene-d8
 Concen: 0.000 ng
 Expected RT: 10.99 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Tgt Ion: 136
 Sig Exp Ratio
 136 100
 137 11.3
 54 9.7
 68 6.2



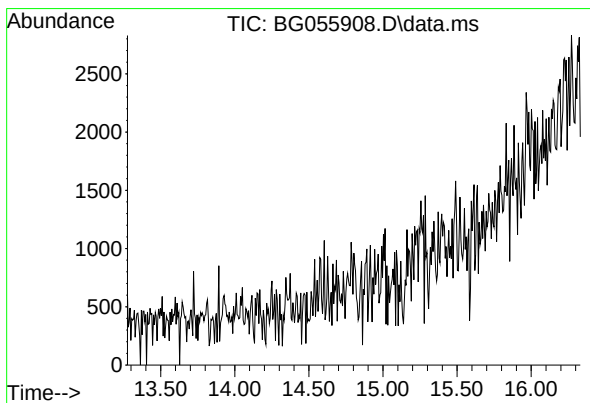
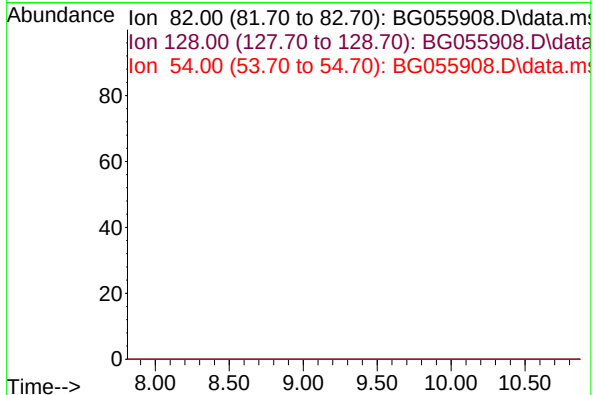


#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.34 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522MSD

Tgt Ion: 82

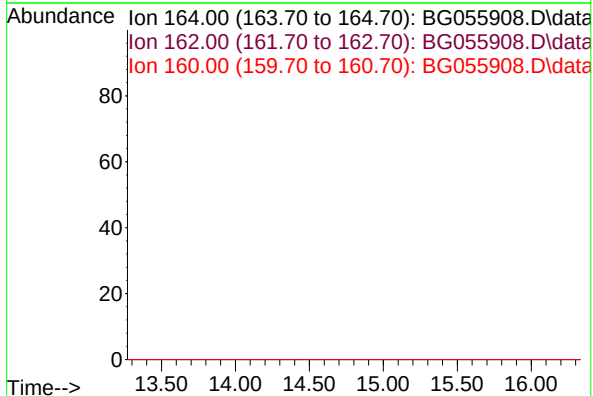
Sig	Exp Ratio
82	100
128	42.6
54	59.1

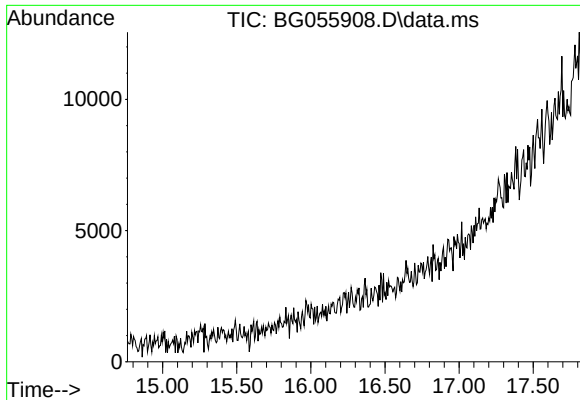


#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.80 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Tgt Ion: 164

Sig	Exp Ratio
164	100
162	101.4
160	43.5



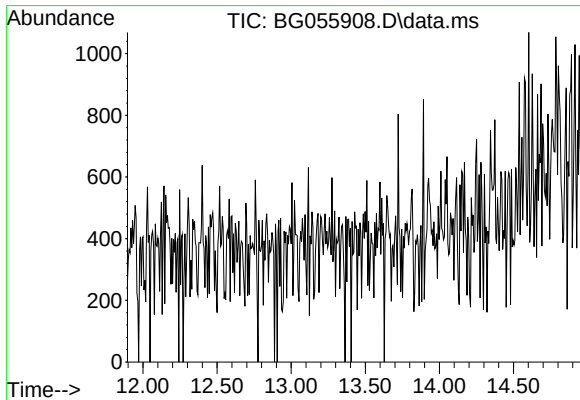
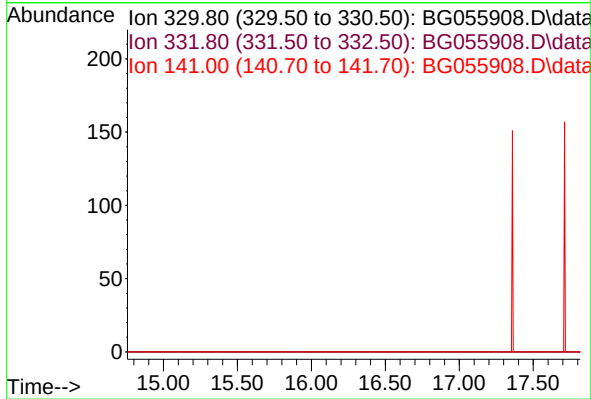


#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 16.29 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522MSD

Tgt Ion: 330

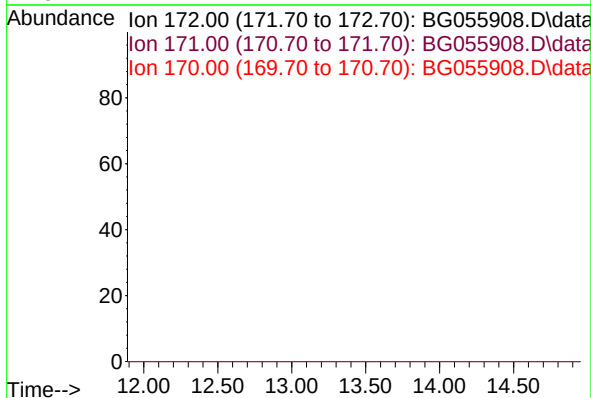
Sig	Exp Ratio
330	100
332	97.3
141	29.9

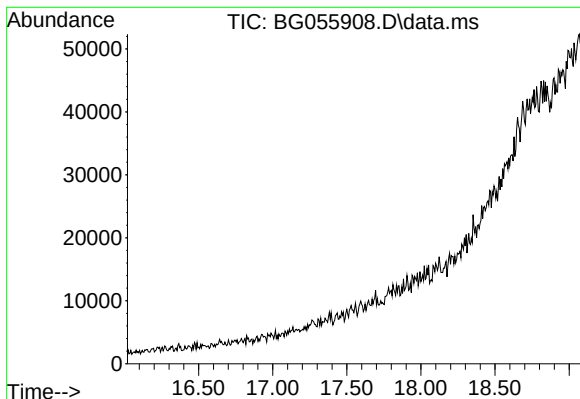


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.42 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	37.2
170	25.3



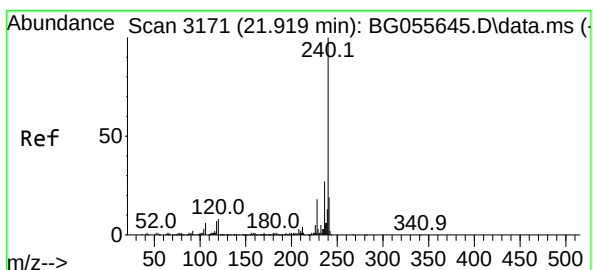
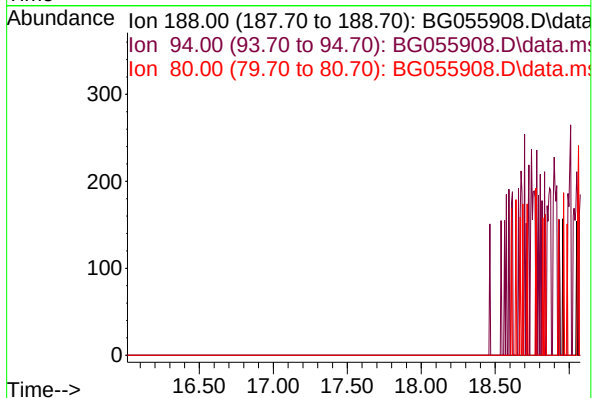


#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.55 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522MSD

Tgt Ion: 188

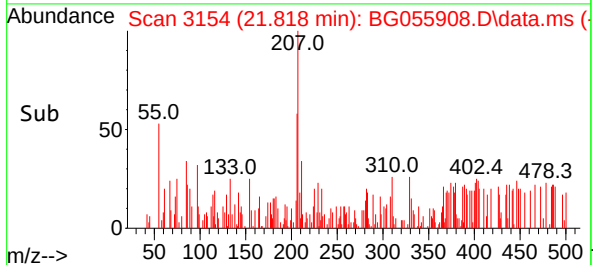
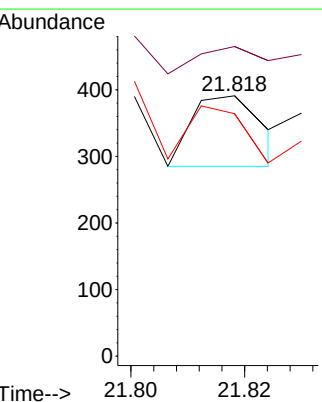
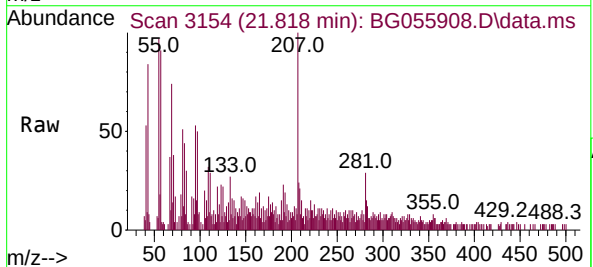
Sig	Exp Ratio
188	100
94	6.8
80	8.3

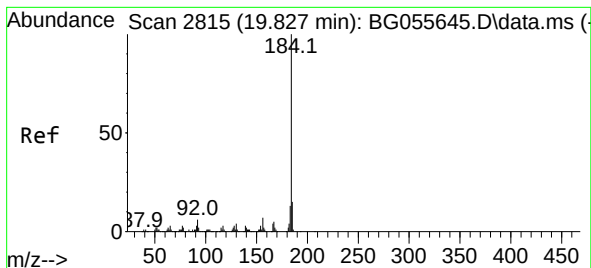


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.818 min Scan# 3154
 Delta R.T. -0.010 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Tgt Ion: 240 Resp: 92

Ion	Ratio	Lower	Upper
240	100		
120	118.9	6.3	9.5#
236	93.1	21.9	32.9#





#77

Benzidine

Concen: 141.423 ng

RT: 19.756 min Scan# 2815

Delta R.T. 0.002 min

Lab File: BG055908.D

Acq: 6 Dec 2022 18:05

Instrument :

BNA_G

ClientSampleId :

EO-3-120522MSD

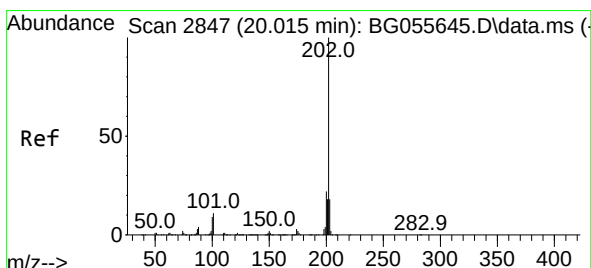
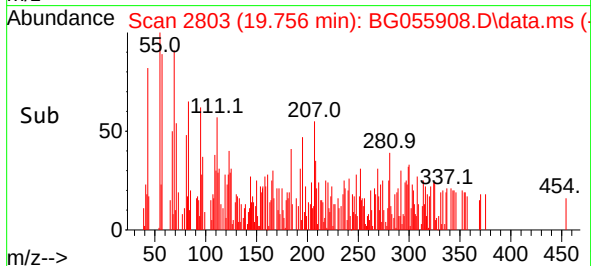
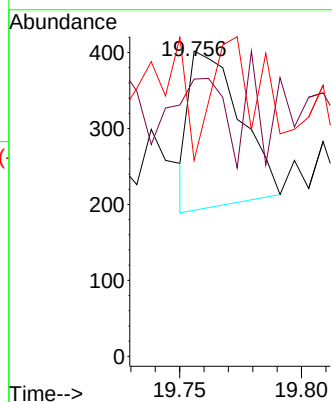
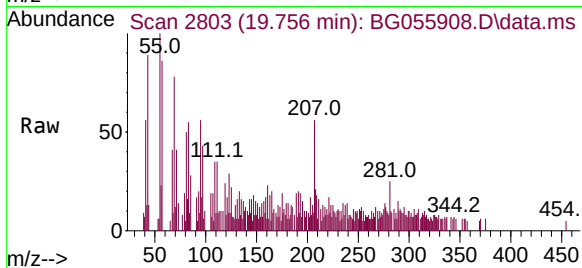
Tgt Ion:184 Resp: 301

Ion Ratio Lower Upper

184 100

185 90.8 11.8 17.8#

183 64.2 10.6 15.8#



#78

Pyrene

Concen: 85.270 ng

RT: 19.950 min Scan# 2836

Delta R.T. 0.002 min

Lab File: BG055908.D

Acq: 6 Dec 2022 18:05

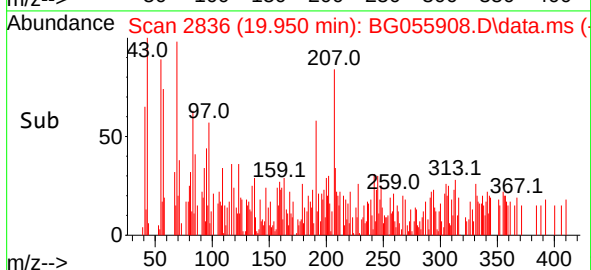
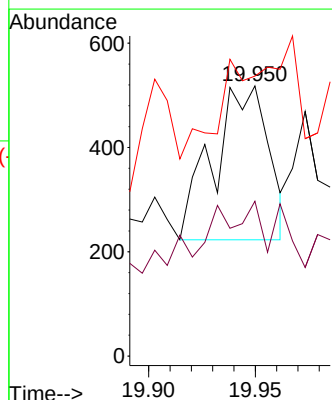
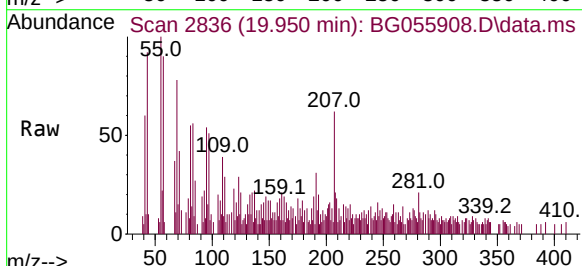
Tgt Ion:202 Resp: 531

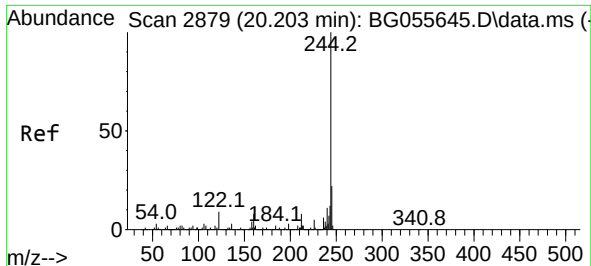
Ion Ratio Lower Upper

202 100

200 57.3 17.8 26.6#

203 103.7 14.4 21.6#

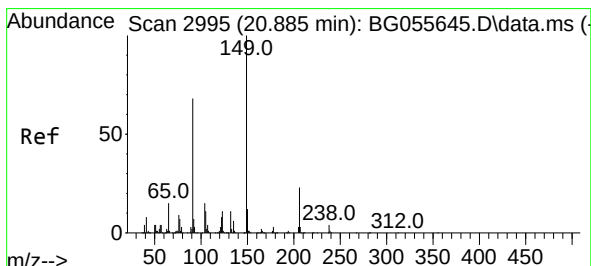
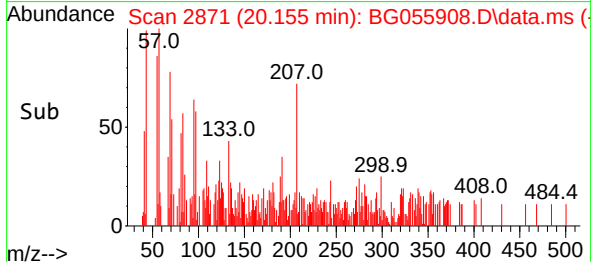
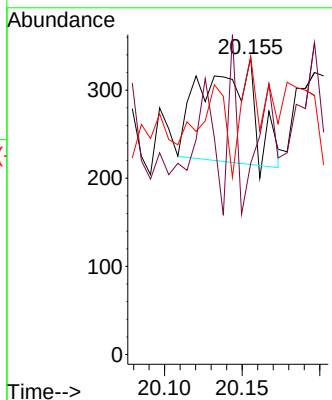
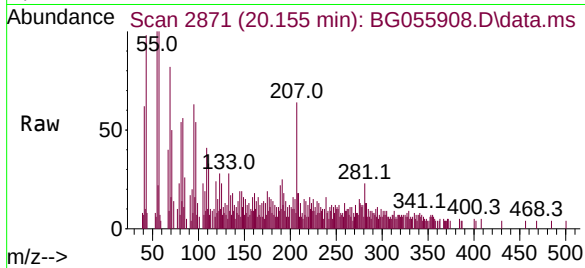




#79
 Terphenyl-d14
 Concen: 58.265 ng
 RT: 20.155 min Scan# 2879
 Delta R.T. 0.025 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

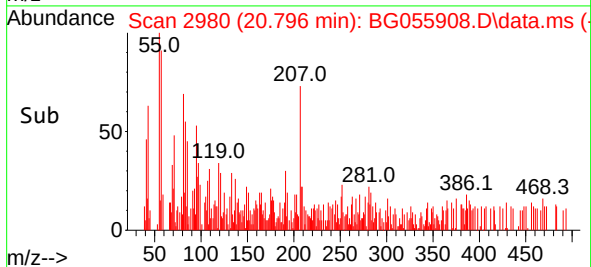
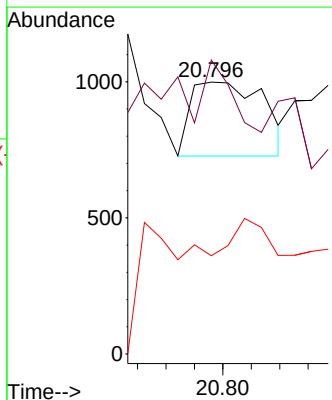
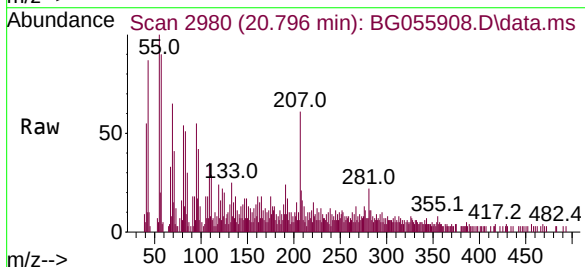
Instrument :
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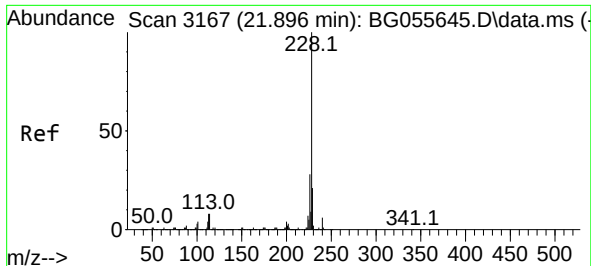
Tgt Ion:244 Resp: 268
 Ion Ratio Lower Upper
 244 100
 212 64.4 6.3 9.5#
 122 100.3 6.9 10.3#



#80
 Butylbenzylphthalate
 Concen: 198.946 ng
 RT: 20.796 min Scan# 2980
 Delta R.T. -0.010 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Tgt Ion:149 Resp: 485
 Ion Ratio Lower Upper
 149 100
 91 108.1 54.6 81.8#
 206 36.1 18.3 27.5#

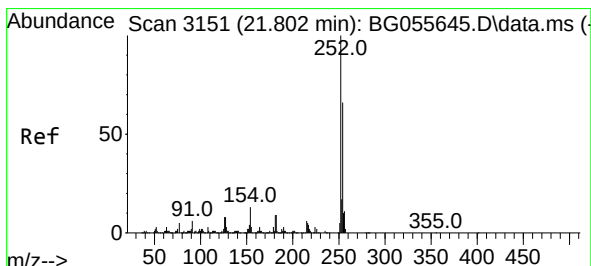
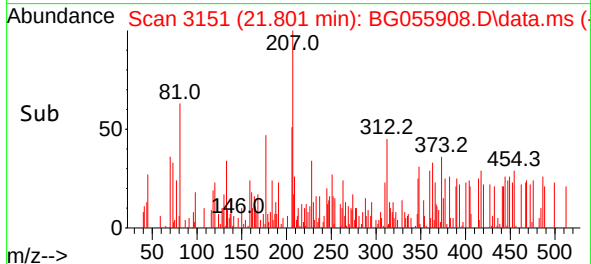
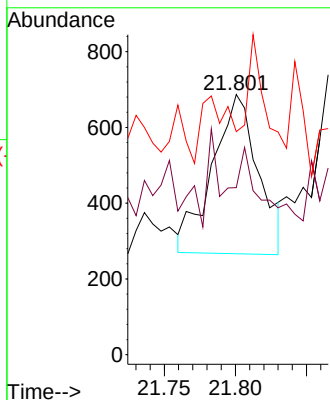
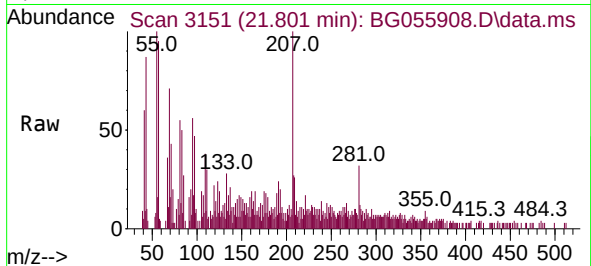




#81
Benzo(a)anthracene
Concen: 149.134 ng
RT: 21.801 min Scan# 3167
Delta R.T. -0.004 min
Lab File: BG055908.D
Acq: 6 Dec 2022 18:05

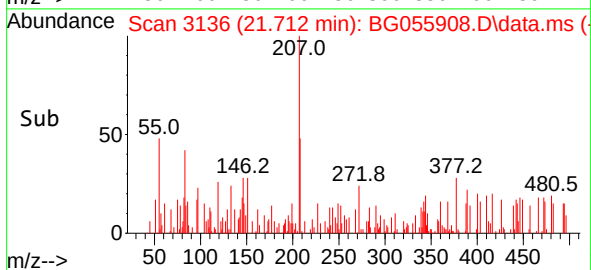
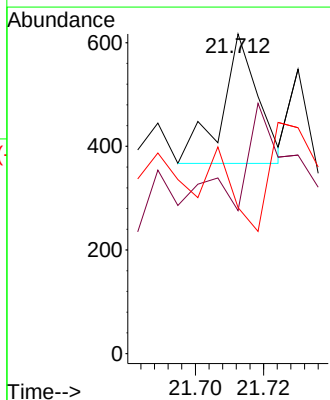
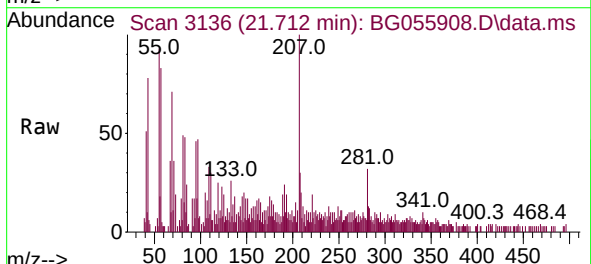
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BNA_G
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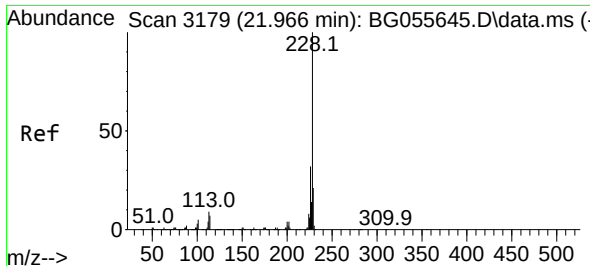
Tgt Ion:228 Resp: 945
Ion Ratio Lower Upper
228 100
226 64.2 22.7 34.1#
229 85.7 16.5 24.7#



#82
3,3'-Dichlorobenzidine
Concen: 83.986 ng
RT: 21.712 min Scan# 3136
Delta R.T. 0.002 min
Lab File: BG055908.D
Acq: 6 Dec 2022 18:05

Tgt Ion:252 Resp: 187
Ion Ratio Lower Upper
252 100
254 44.7 53.0 79.6#
126 45.7 6.7 10.1#





#83

Chrysene

Concen: 139.083 ng

RT: 21.871 min Scan# 311

Delta R.T. -0.004 min

Lab File: BG055908.D

Acq: 6 Dec 2022 18:05

Instrument :

BNA_G

ClientSampleId :

EO-3-120522MSD

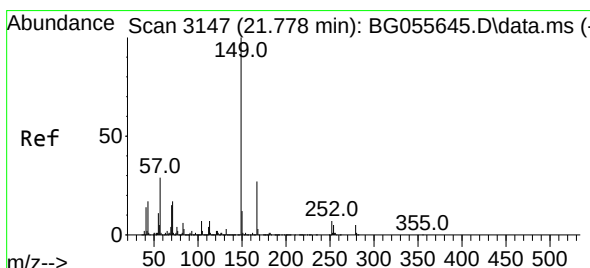
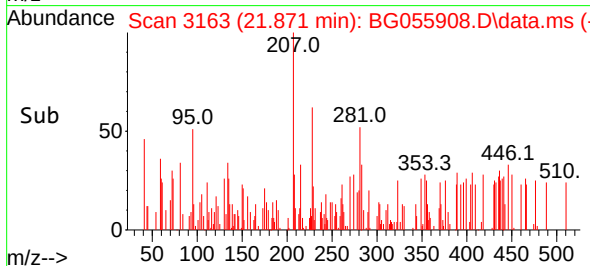
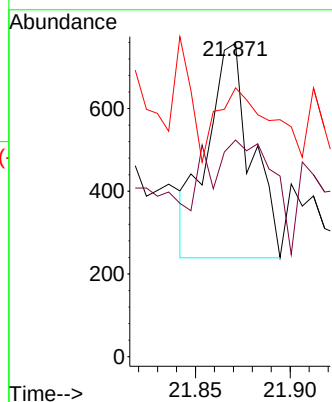
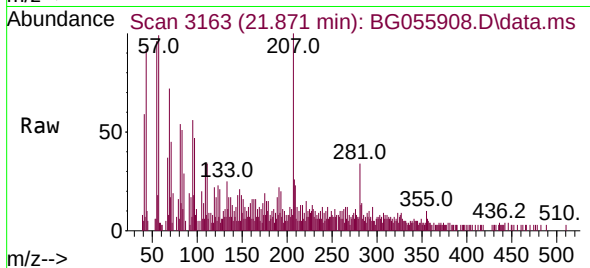
Tgt Ion:228 Resp: 839

Ion Ratio Lower Upper

228 100

226 69.1 25.4 38.2#

229 85.8 17.1 25.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 258.881 ng

RT: 21.671 min Scan# 3129

Delta R.T. 0.002 min

Lab File: BG055908.D

Acq: 6 Dec 2022 18:05

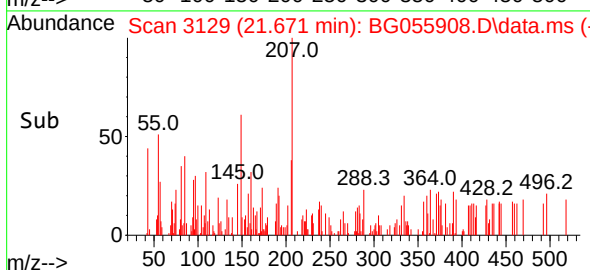
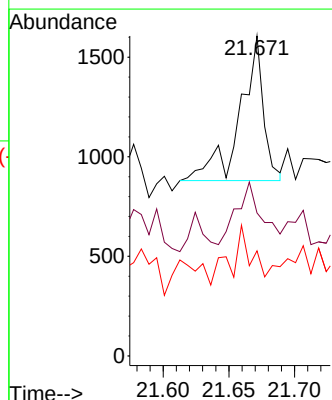
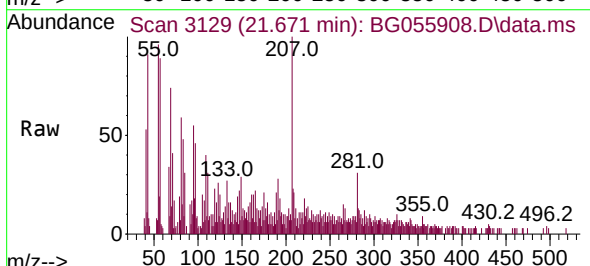
Tgt Ion:149 Resp: 907

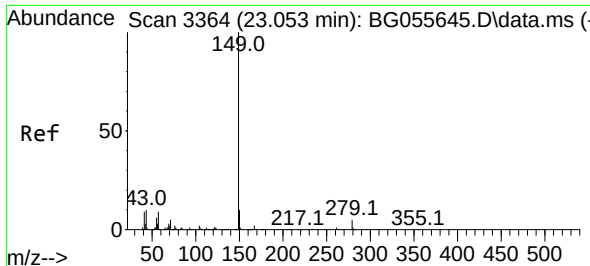
Ion Ratio Lower Upper

149 100

167 44.7 22.0 33.0#

279 32.9 3.7 5.5#

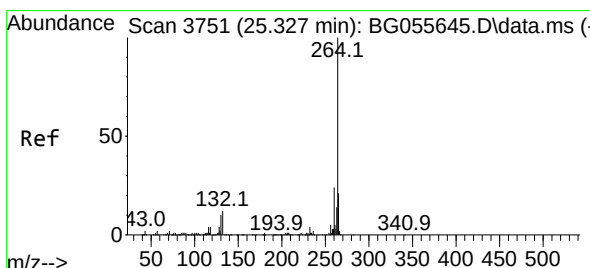
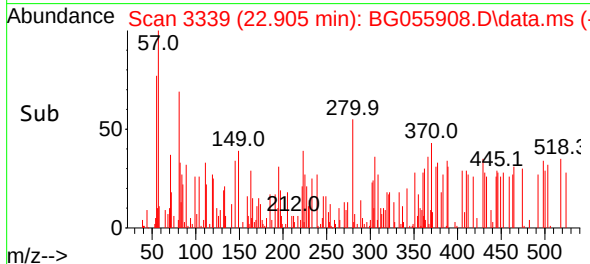
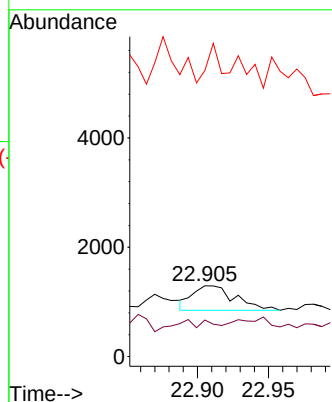
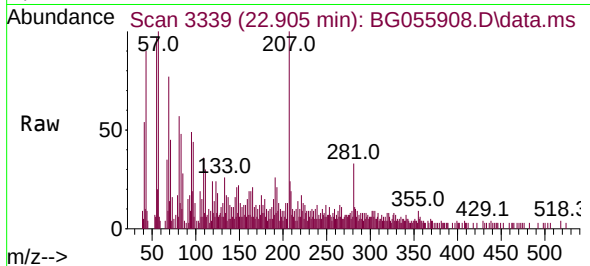




#85
Di-n-octyl phthalate
Concen: 155.778 ng
RT: 22.905 min Scan# 3364
Delta R.T. -0.010 min
Lab File: BG055908.D
Acq: 6 Dec 2022 18:05

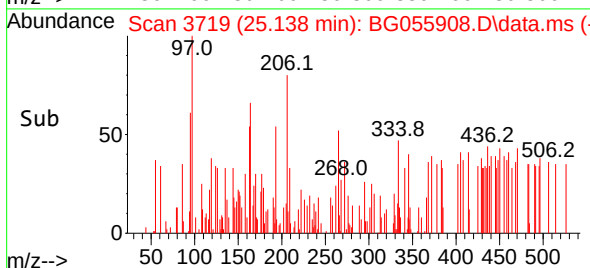
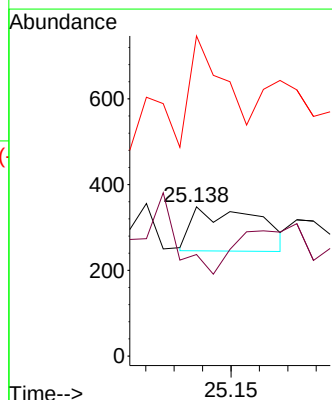
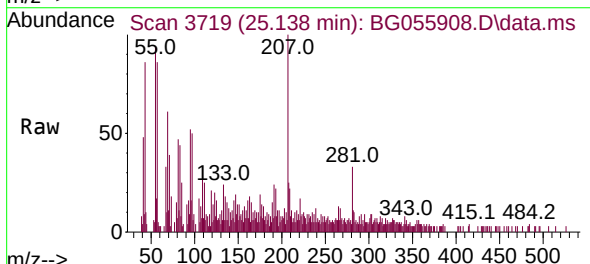
Instrument :
BNA_G
ClientSampleId :
EO-3-120522MSD

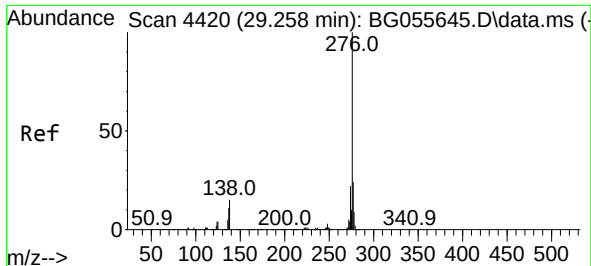
Tgt Ion:149 Resp: 934
Ion Ratio Lower Upper
149 100
167 9.7 1.3 1.9#
43 90.0 8.4 12.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.138 min Scan# 3719
Delta R.T. -0.040 min
Lab File: BG055908.D
Acq: 6 Dec 2022 18:05

Tgt Ion:264 Resp: 166
Ion Ratio Lower Upper
264 100
260 68.1 19.5 29.3#
265 214.7 17.1 25.7#

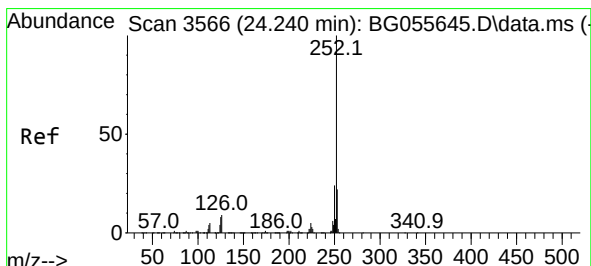
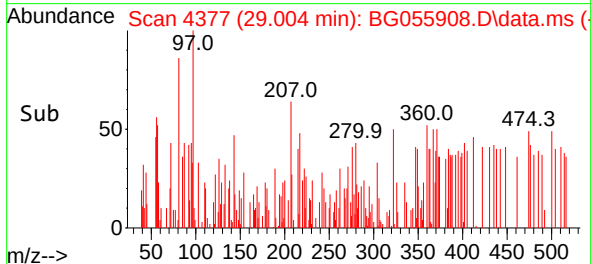
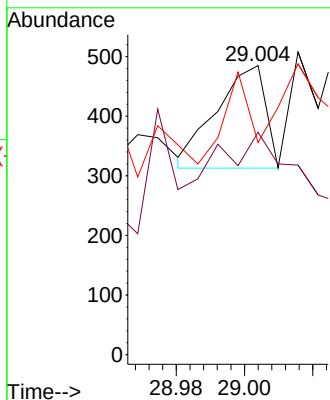
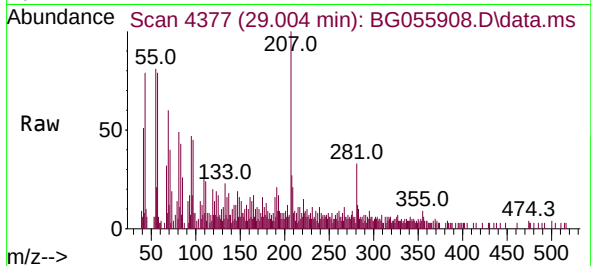




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.574 ng
 RT: 29.004 min Scan# 4377
 Delta R.T. -0.040 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

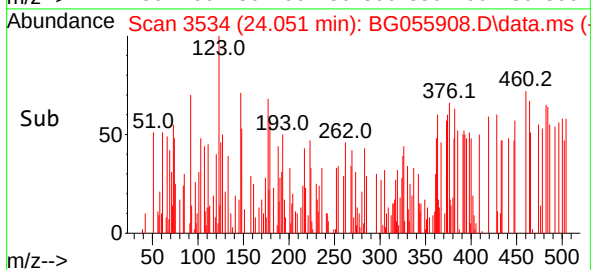
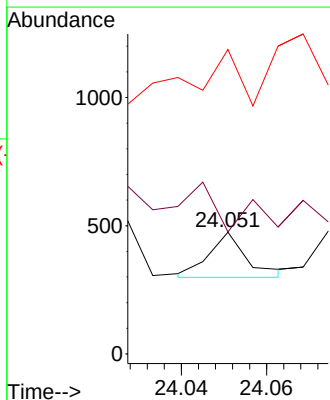
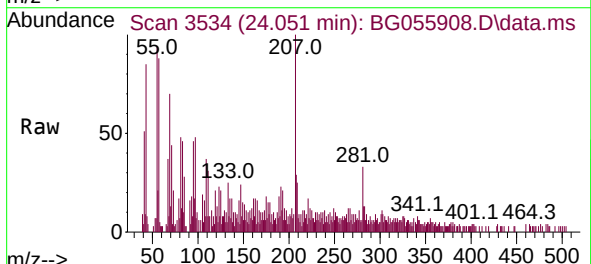
Instrument :
 BNA_G
 ClientSampleId :
 EO-3-120522MSD

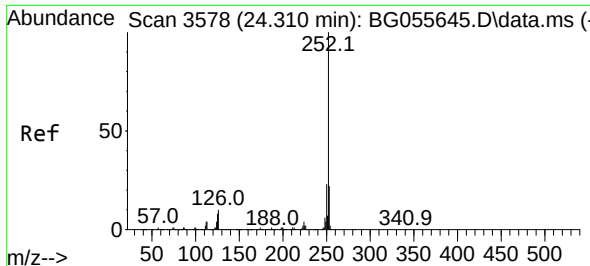
Tgt Ion:276 Resp: 171
 Ion Ratio Lower Upper
 276 100
 138 152.6 10.4 15.6#
 277 55.0 20.2 30.4#



#88
 Benzo(b)fluoranthene
 Concen: 9.990 ng
 RT: 24.051 min Scan# 3534
 Delta R.T. -0.057 min
 Lab File: BG055908.D
 Acq: 6 Dec 2022 18:05

Tgt Ion:252 Resp: 108
 Ion Ratio Lower Upper
 252 100
 253 100.2 18.0 27.0#
 125 249.9 6.2 9.2#

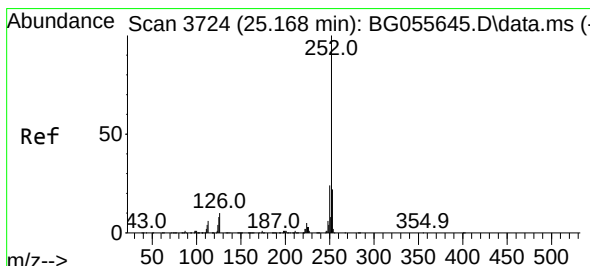
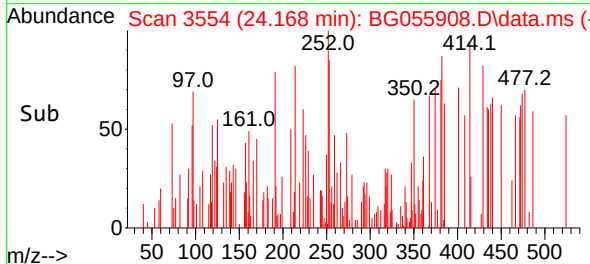
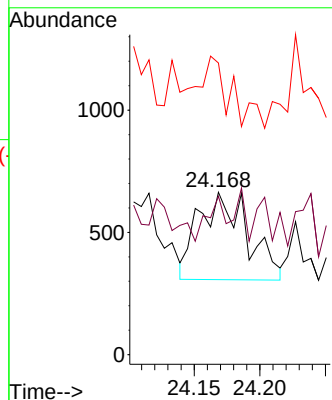
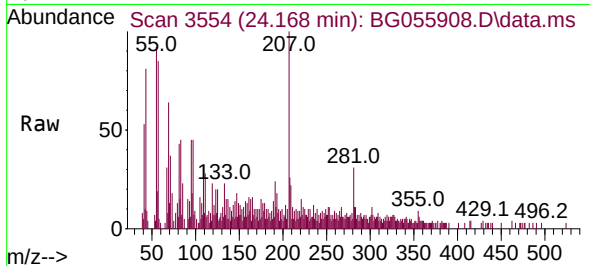




#89
Benzo(k)fluoranthene
Concen: 85.837 ng
RT: 24.168 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG055908.D
Acq: 6 Dec 2022 18:05

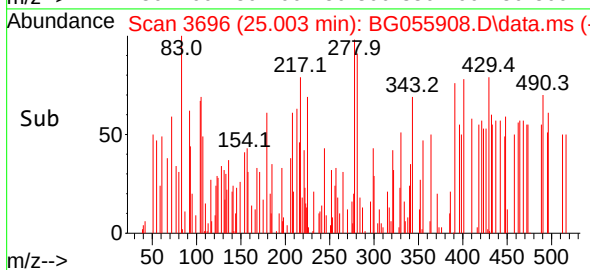
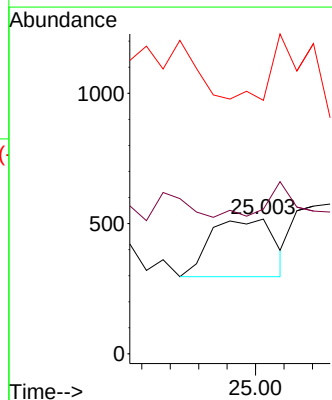
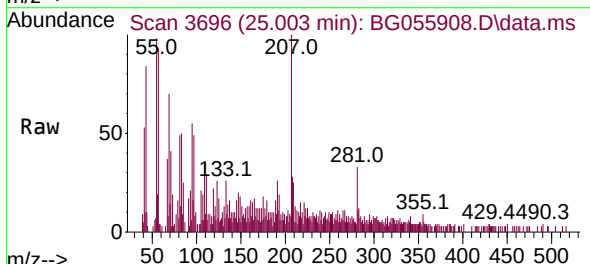
Instrument :
BNA_G
ClientSampleId :
EO-3-120522MSD

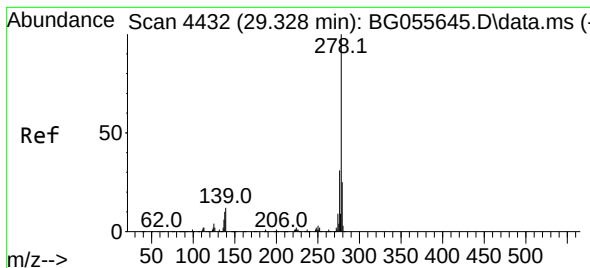
Tgt Ion:252 Resp: 925
Ion Ratio Lower Upper
252 100
253 97.6 17.8 26.6#
125 179.7 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 37.081 ng
RT: 25.003 min Scan# 3696
Delta R.T. -0.016 min
Lab File: BG055908.D
Acq: 6 Dec 2022 18:05

Tgt Ion:252 Resp: 344
Ion Ratio Lower Upper
252 100
253 107.4 17.8 26.6#
125 188.2 6.4 9.6#





#91

Dibenzo(a,h)anthracene

Concen: 19.167 ng

RT: 29.027 min Scan# 4381

Delta R.T. -0.063 min

Lab File: BG055908.D

Acq: 6 Dec 2022 18:05

Instrument :

BNA_G

ClientSampleId :

EO-3-120522MSD

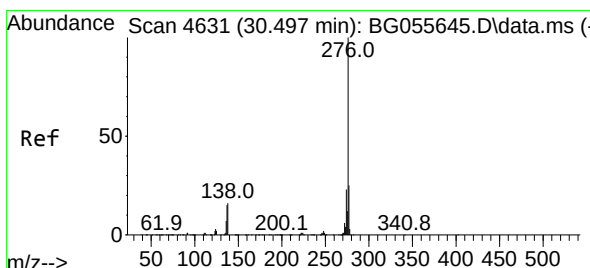
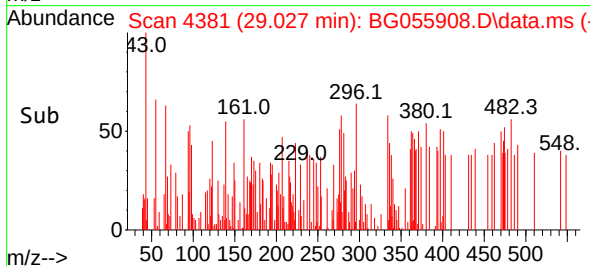
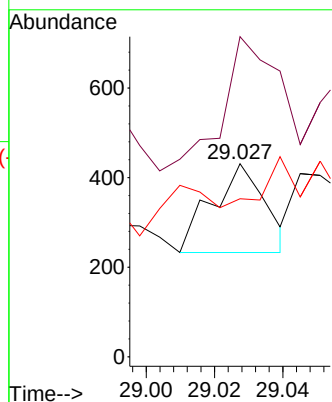
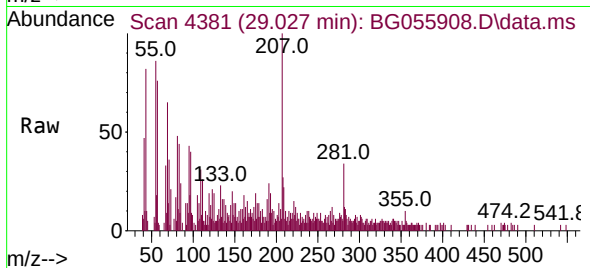
Tgt Ion:278 Resp: 213

Ion Ratio Lower Upper

278 100

139 165.9 9.8 14.8#

279 81.9 19.8 29.6#



#92

Benzo(g,h,i)perylene

Concen: 12.321 ng

RT: 30.214 min Scan# 4583

Delta R.T. -0.040 min

Lab File: BG055908.D

Acq: 6 Dec 2022 18:05

Tgt Ion:276 Resp: 138

Ion Ratio Lower Upper

276 100

277 59.5 19.8 29.6#

138 60.2 13.1 19.7#

