

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
 Data File : BG041228.D
 Acq On : 13 Jun 2019 12:45
 Operator : HP/JU
 Sample : K3309-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 13 17:18:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

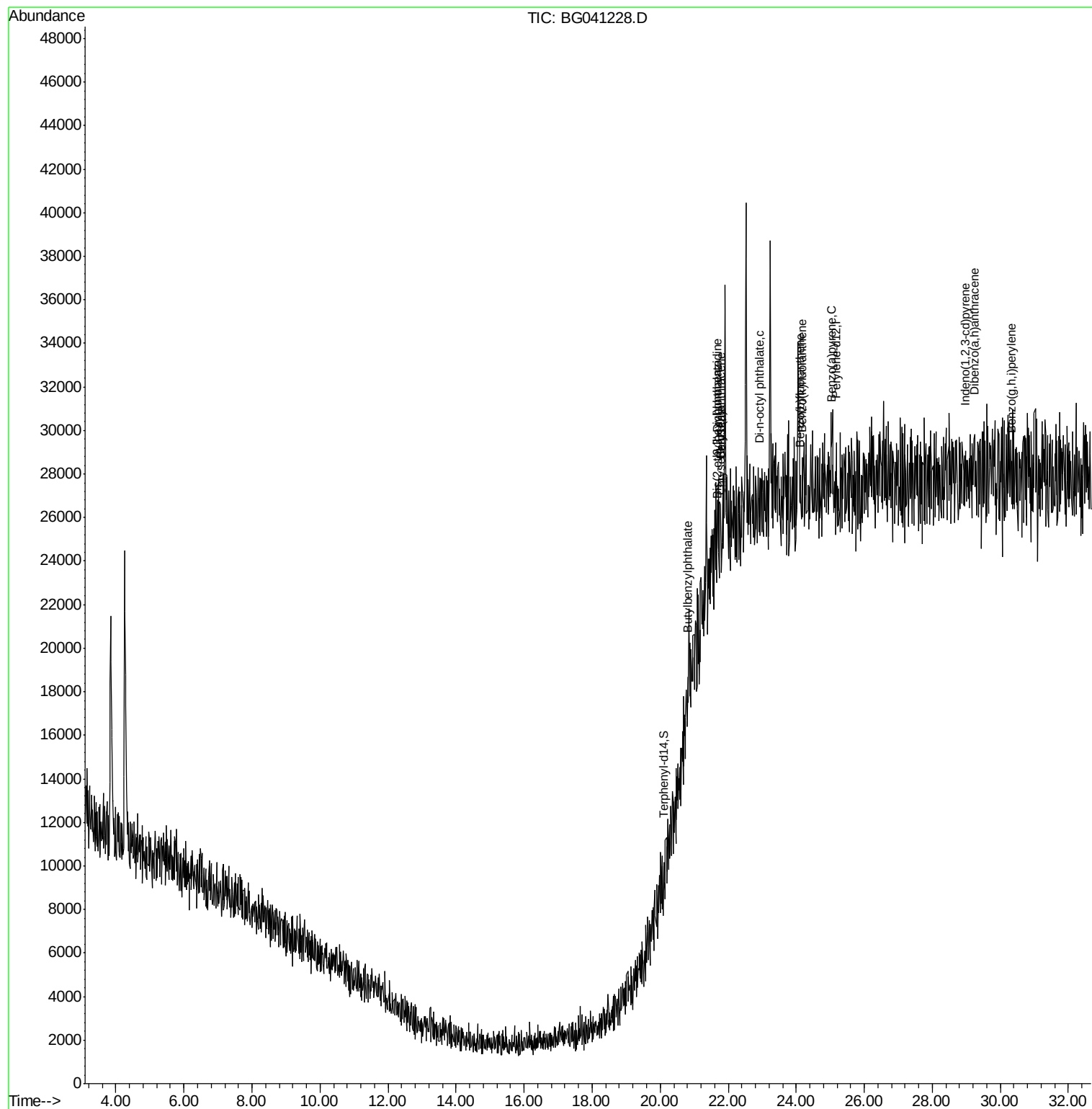
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-8.11
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.93
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.74
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-17.48
76) Chrysene-d12	21.80	240	65	20.00	ng	0.04
87) Perylene-d12	25.18	264	68	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1145	0.00	ng	-0.22
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	13.63	172	59	0.00	ng	0.28
79) Terphenyl-d14	20.10	244	141	46.04	ng	0.02
Target Compounds						
80) Butylbenzylphthalate	20.81	149	56	34.056	ng	# 24
81) Benzo(a)anthracene	21.77	228	56	12.943	ng	# 49
82) 3,3'-Dichlorobenzidine	21.68	252	65	42.711	ng	# 24
83) Chrysene	21.77	228	56	13.525	ng	# 49
84) Bis(2-ethylhexyl)phthalate	21.67	149	300	129.602	ng	# 50
85) Di-n-octyl phthalate	22.91	149	378	98.051	ng	# 1
86) Indeno(1,2,3-cd)pyrene	28.97	276	54	10.646	ng	# 1
88) Benzo(b)fluoranthene	24.10	252	69	16.730	ng	# 1
89) Benzo(k)fluoranthene	24.16	252	59	14.456	ng	# 60
90) Benzo(a)pyrene	25.03	252	56	14.231	ng	# 1
91) Dibenzo(a,h)anthracene	29.22	278	55	13.988	ng	# 58
92) Benzo(a,h,i)perylene	30.31	276	66	17.278	ng	# 57

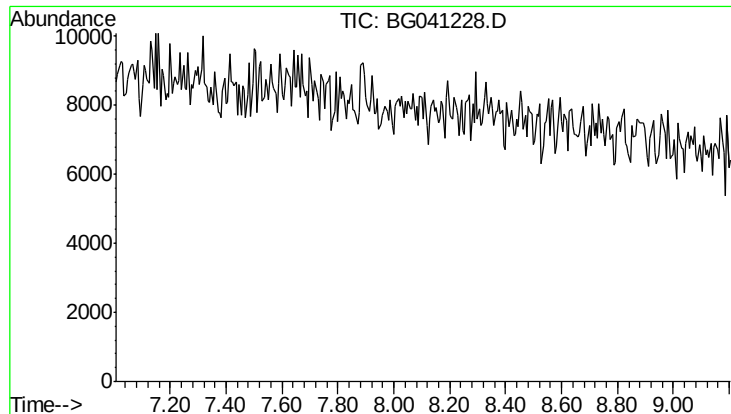
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 8.11 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Instrument :

BNA_G

ClientSampleId :

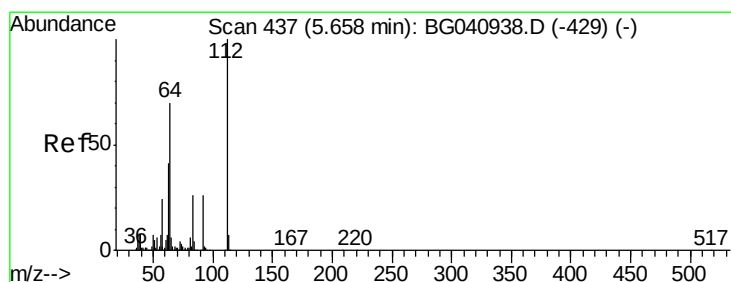
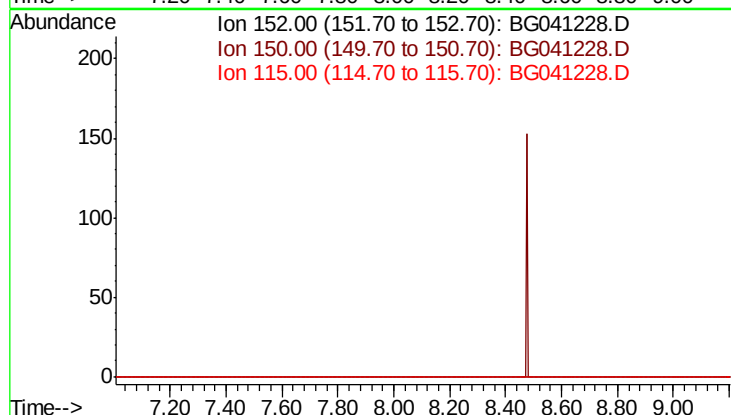
Tot Ion: 152

Sig Exp Ratio

152 100

150 150.7

115 56.4



#5

2-Fluorophenol

Concen: 0.000 ng

RT: 5.41 min Scan# 396

Delta R.T. -0.22 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

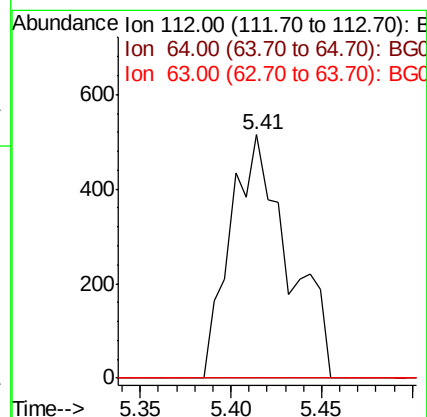
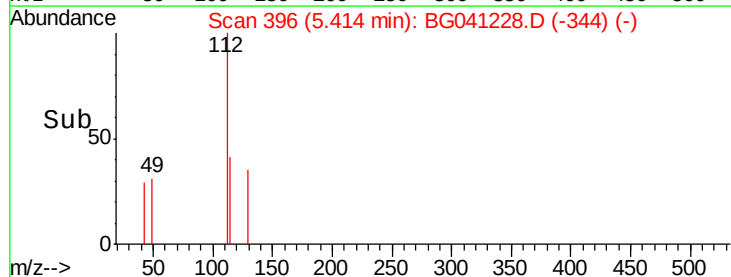
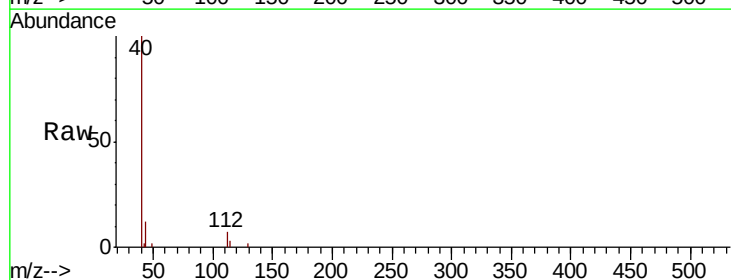
Tgt Ion: 112 Resp: 1145

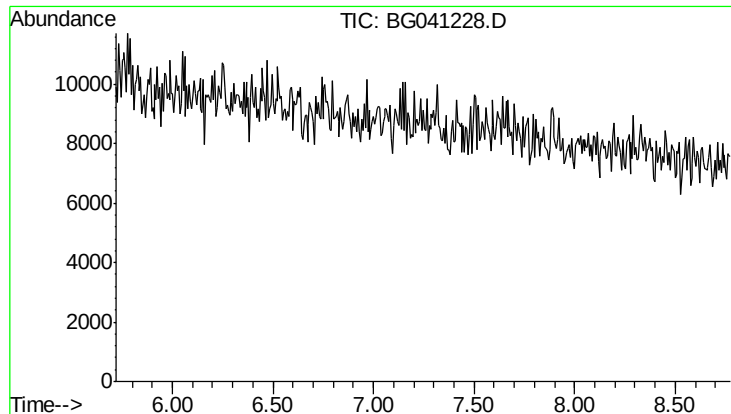
Ion Ratio Lower Upper

112 100

64 0.0 56.2 84.2#

63 0.0 32.8 49.2#





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.25 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Instrument :

BNA_G

ClientSampleId :

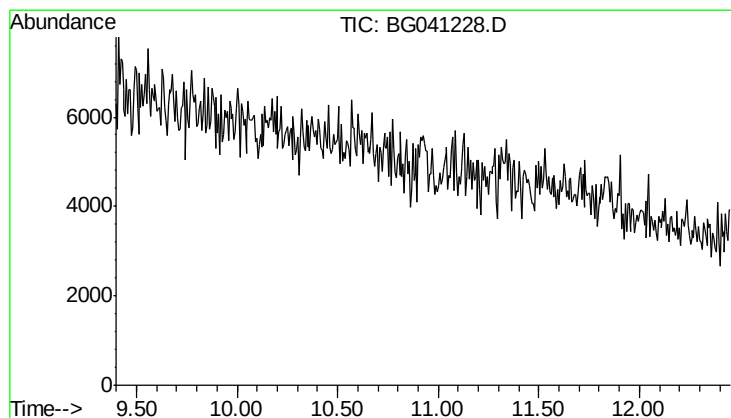
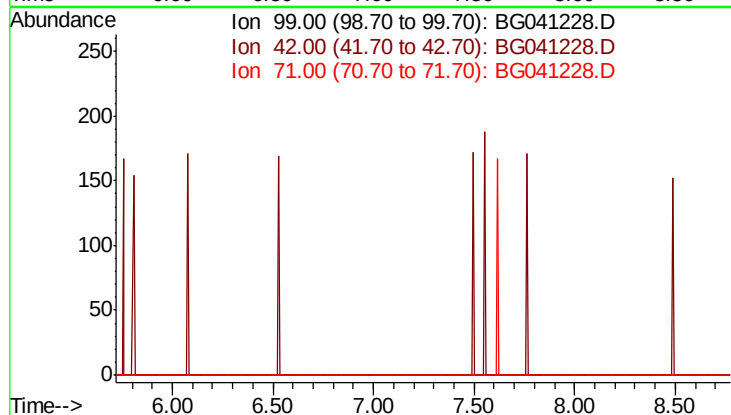
Tot Ion: 99

Sig Exp Ratio

99 100

42 22.4

71 44.2



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.93 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Tgt Ion: 136

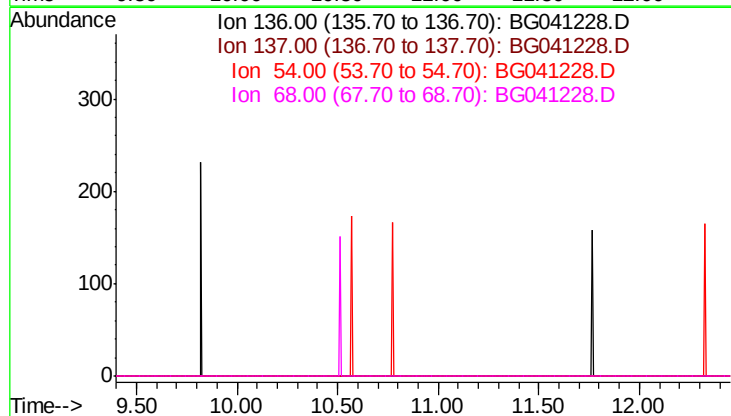
Sig Exp Ratio

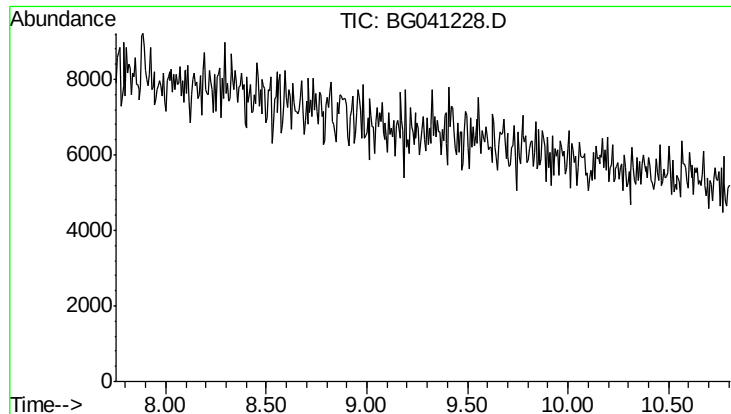
136 100

137 11.9

54 9.5

68 4.9

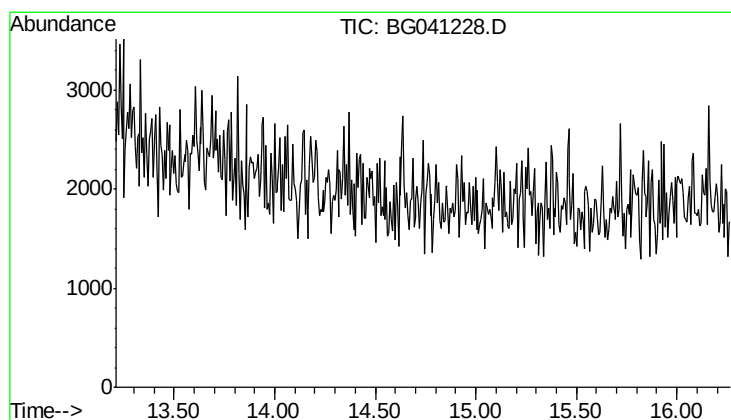
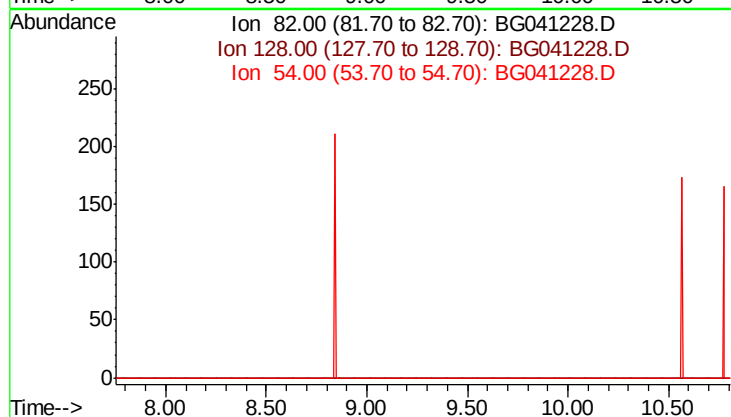




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.28 min
 Lab File: BG041228.D
 Acq: 13 Jun 2019 12:45

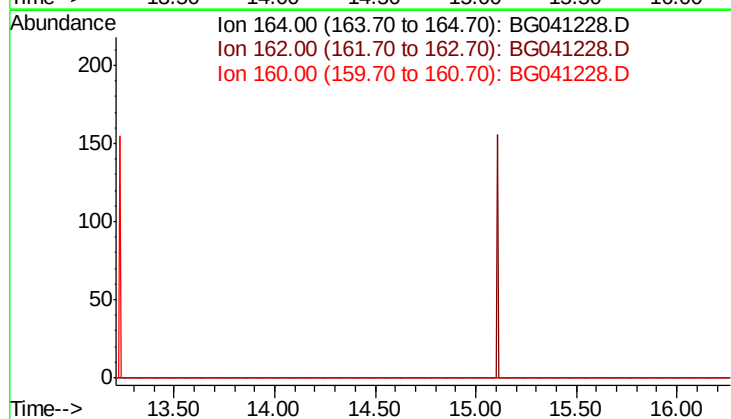
Instrument :
 BNA_G
 ClientSampleId :

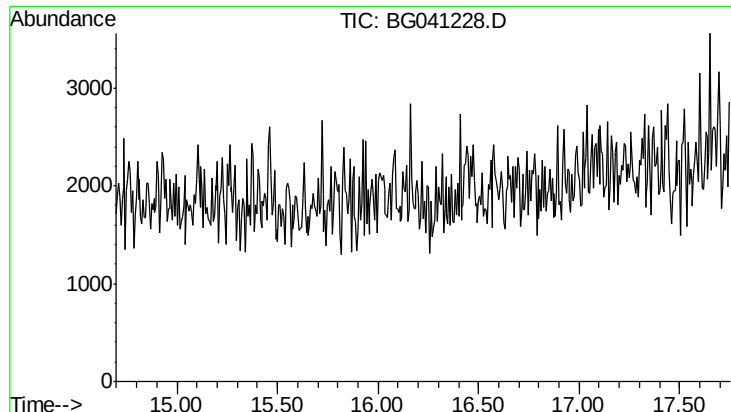
Tot Ion	82
Sig	Exp Ratio
82	100
128	38.1
54	55.7



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.74 min
 Lab File: BG041228.D
 Acq: 13 Jun 2019 12:45

Tgt Ion	164
Sig	Exp Ratio
164	100
162	103.7
160	44.5





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.22 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Instrument :

BNA_G

ClientSampleId :

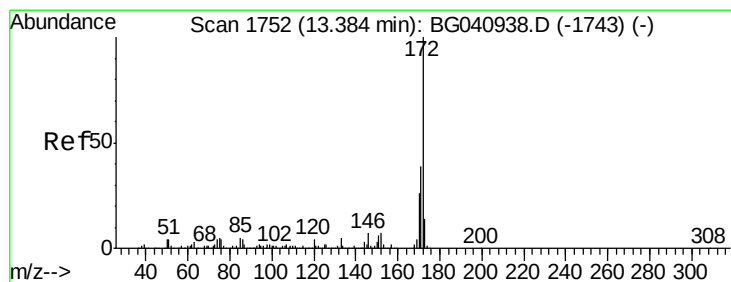
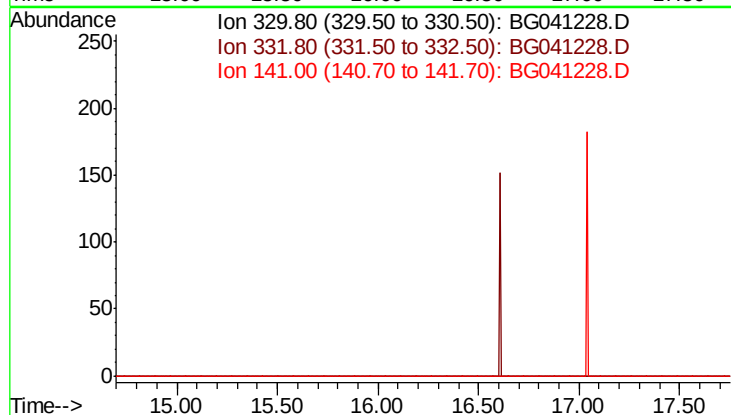
Tot Ion: 330

Sig Exp Ratio

330 100

332 98.1

141 35.9



#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 13.63 min Scan# 1795

Delta R.T. 0.28 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

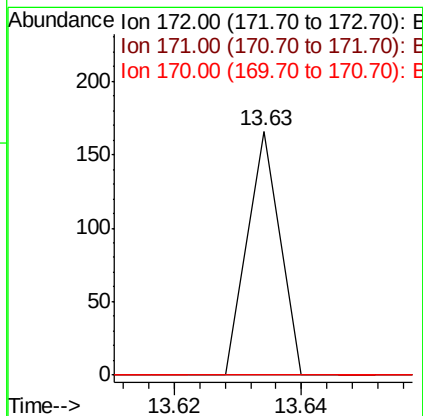
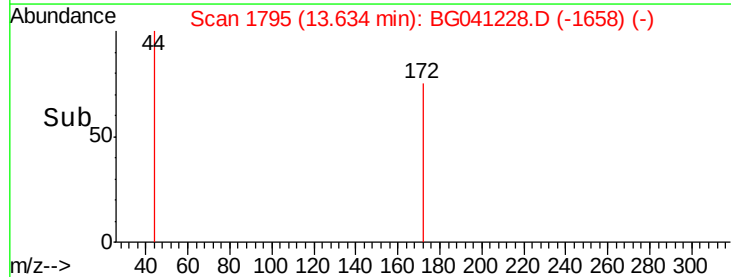
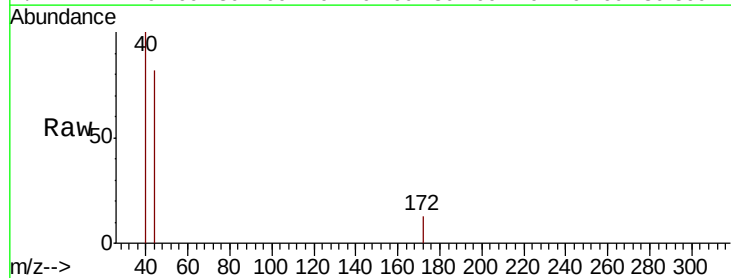
Tgt Ion: 172 Resp: 59

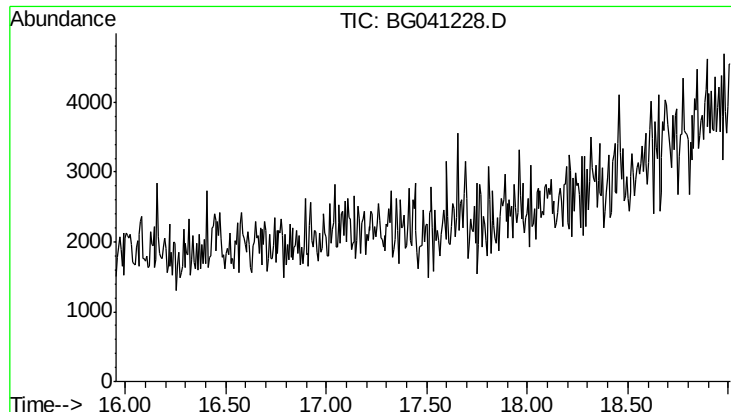
Ion Ratio Lower Upper

172 100

171 0.0 31.1 46.7#

170 0.0 20.5 30.7#

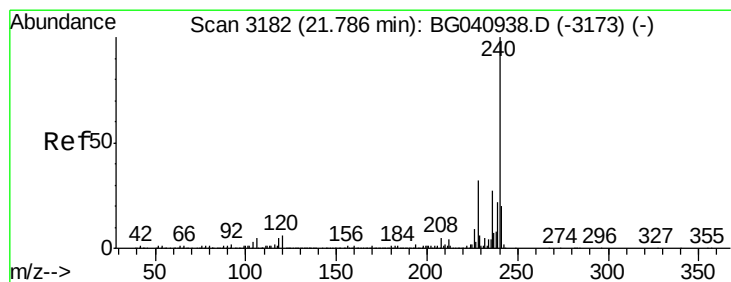
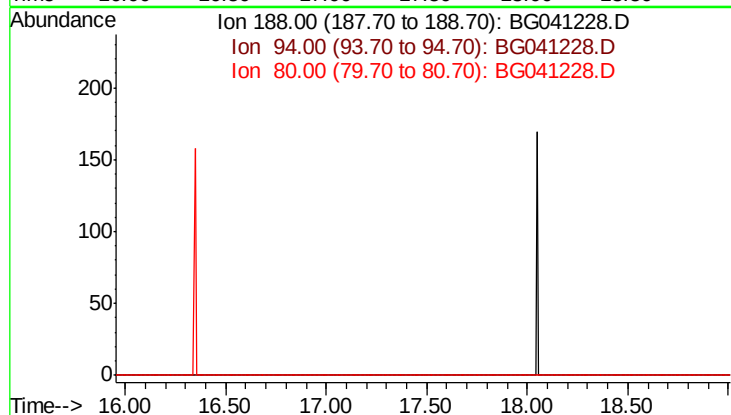




#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 17.48 min
 Lab File: BG041228.D
 Acq: 13 Jun 2019 12:45

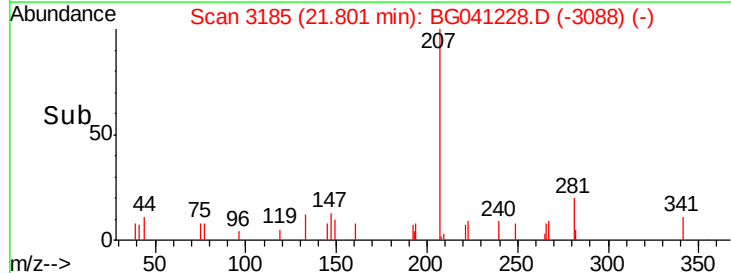
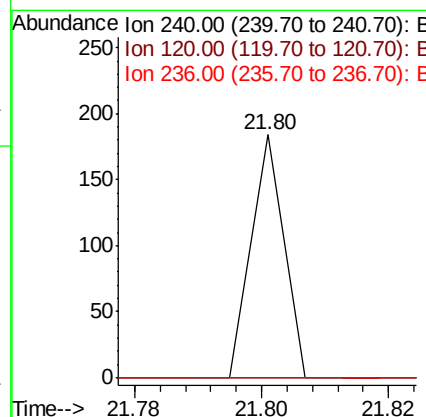
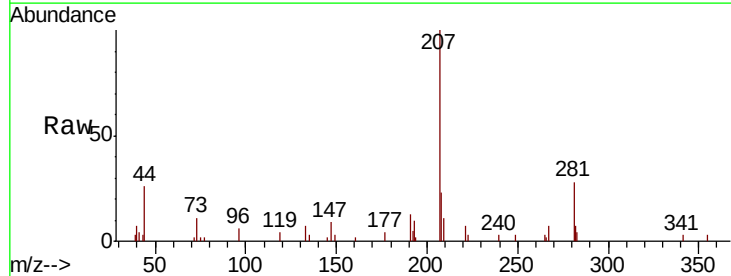
Instrument :
 BNA_G
 ClientSampleId :

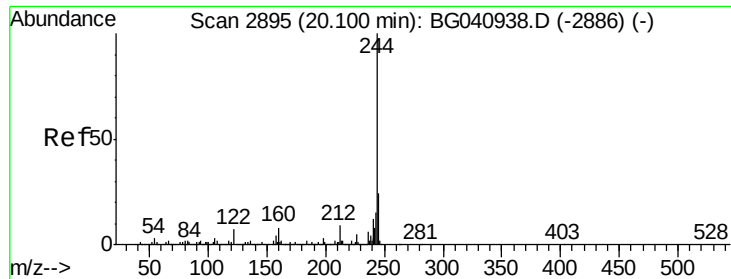
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 5.9
 80 7.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3185
 Delta R.T. 0.04 min
 Lab File: BG041228.D
 Acq: 13 Jun 2019 12:45

Tgt Ion: 240 Resp: 65
 Ion Ratio Lower Upper
 240 100
 120 0.0 4.5 6.7#
 236 0.0 21.3 31.9#





#79

Terphenyl-d14

Concen: 46.039 ng

RT: 20.10 min Scan# 2895

Delta R.T. 0.02 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Instrument :

BNA_G

ClientSampled :

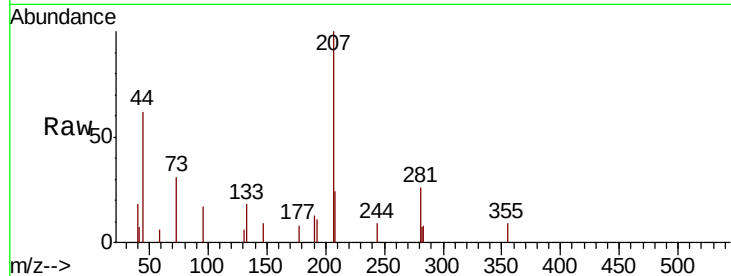
Tot Ion:244 Resp: 141

Ion Ratio Lower Upper

244 100

212 0.0 7.0 10.4#

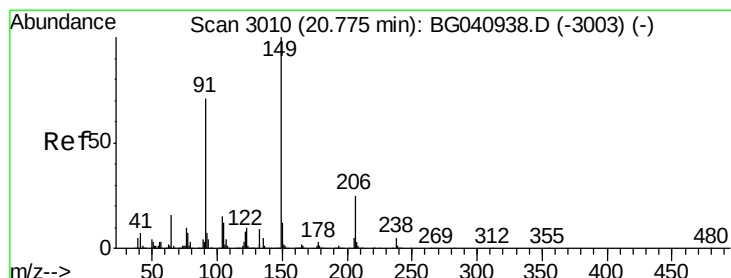
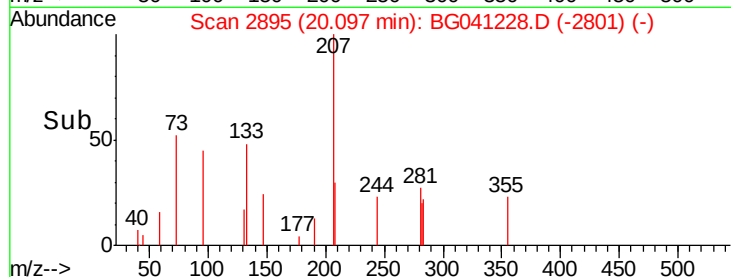
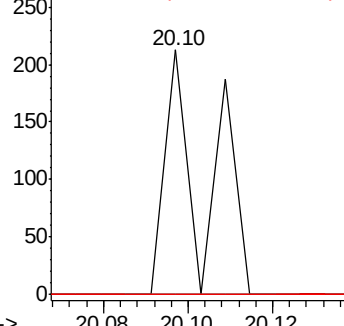
122 0.0 5.4 8.0#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 34.056 ng

RT: 20.81 min Scan# 3016

Delta R.T. 0.05 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

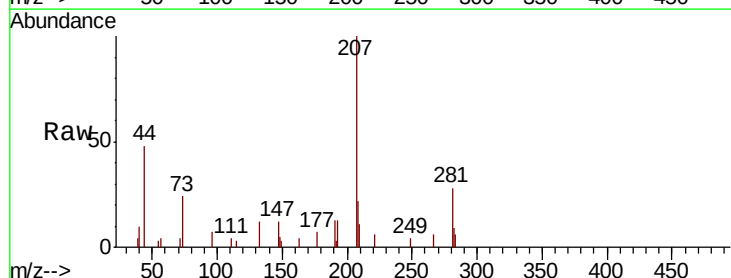
Tgt Ion:149 Resp: 56

Ion Ratio Lower Upper

149 100

91 0.0 56.5 84.7#

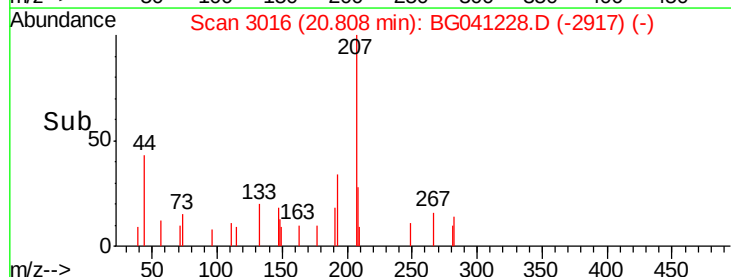
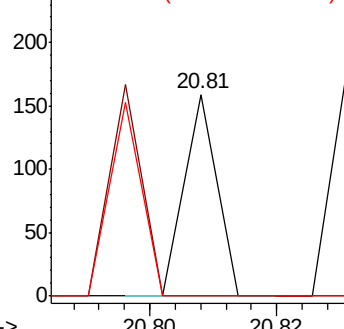
206 0.0 20.3 30.5#

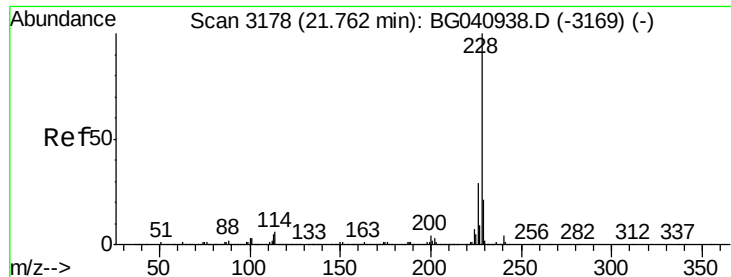


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 12.943 ng

RT: 21.77 min Scan# 3180

Delta R.T. 0.04 min

Lab File: BG041228.D

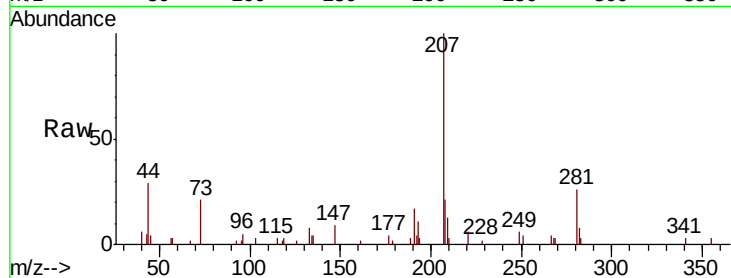
Acq: 13 Jun 2019 12:45

Instrument :

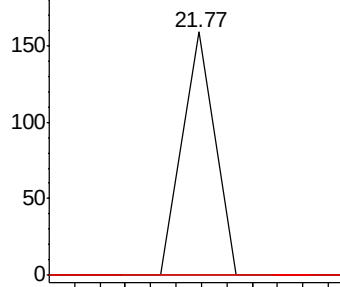
BNA_G

ClientSampleId :

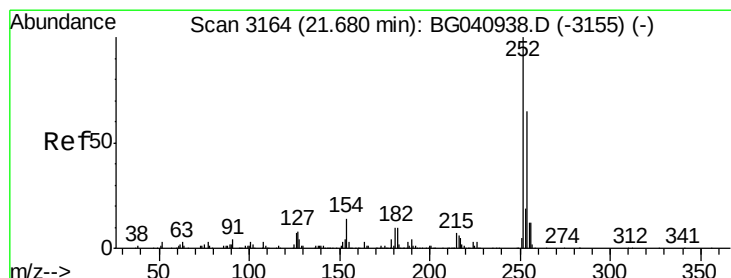
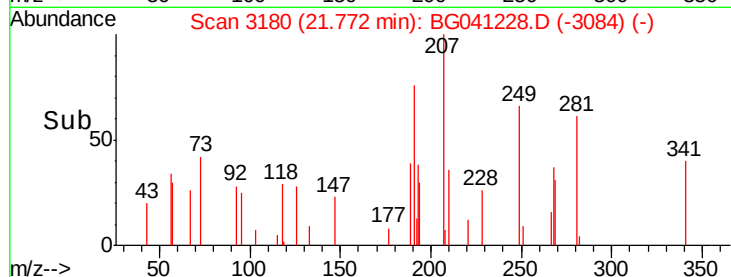
Tot Ion:	228	Resp:	56
Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.5	35.3#
229	0.0	16.7	25.1#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.76 21.78



#82

3,3'-Dichlorobenzidine

Concen: 42.711 ng

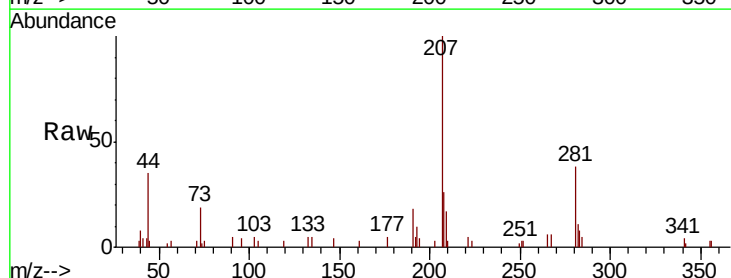
RT: 21.68 min Scan# 3165

Delta R.T. 0.03 min

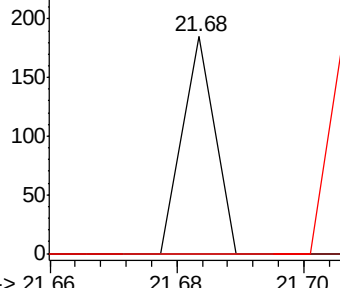
Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

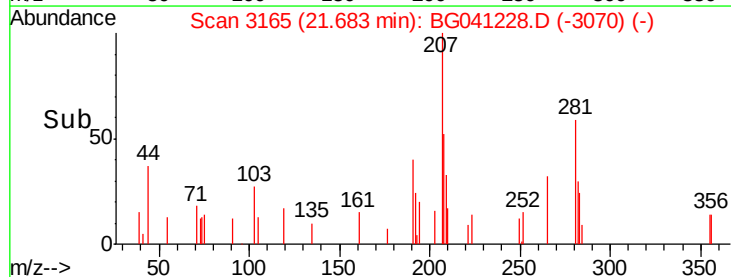
Tgt Ion:	252	Resp:	65
Ion	Ratio	Lower	Upper
252	100		
254	0.0	52.1	78.1#
126	0.0	5.5	8.3#

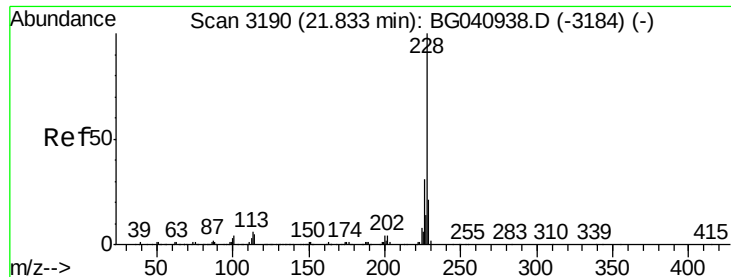


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



Time--> 21.66 21.68 21.70





#83

Chrysene

Concen: 13.525 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.04 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Instrument :

BNA_G

ClientSampleId :

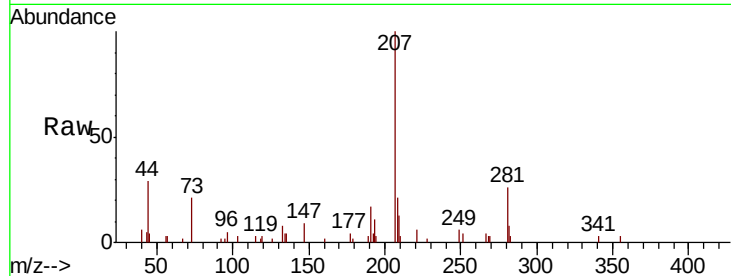
Tot Ion:228 Resp: 56

Ion Ratio Lower Upper

228 100

226 0.0 24.6 37.0#

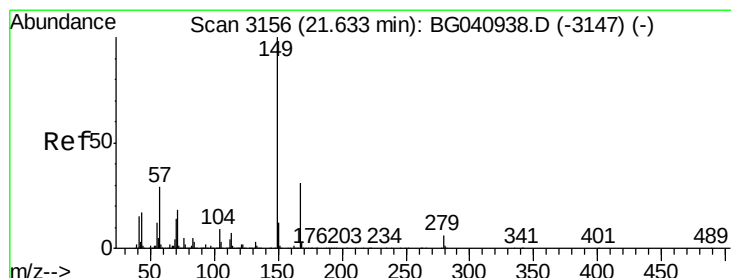
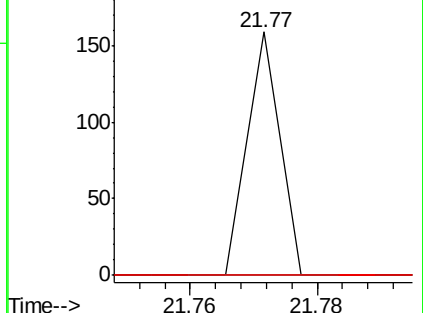
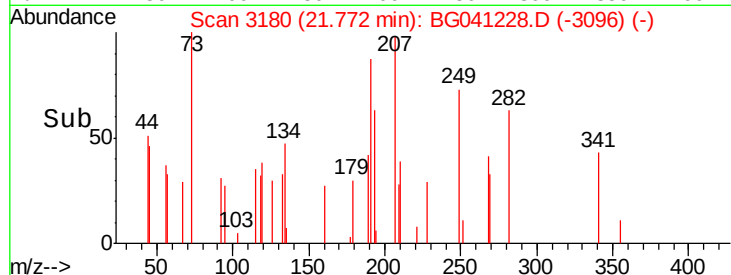
229 0.0 16.6 24.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 129.602 ng

RT: 21.67 min Scan# 3162

Delta R.T. 0.06 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

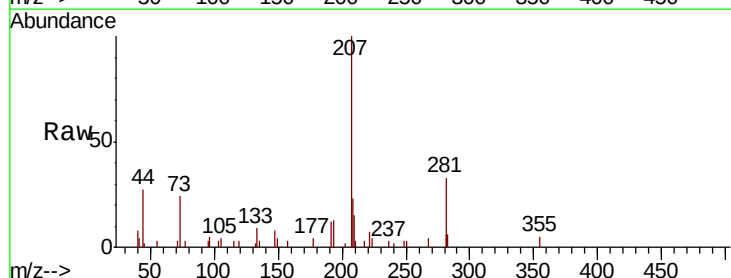
Tgt Ion:149 Resp: 300

Ion Ratio Lower Upper

149 100

167 0.0 24.6 37.0#

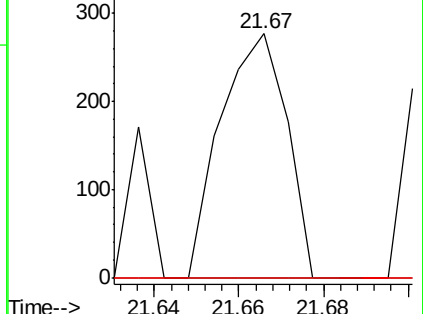
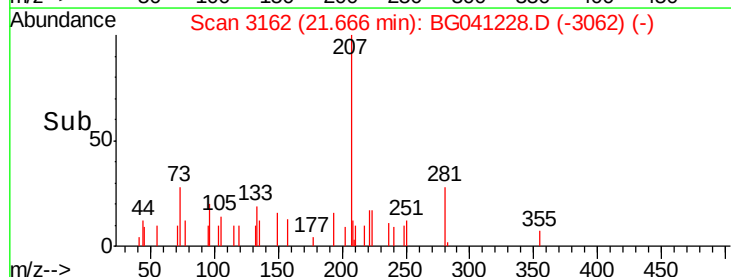
279 0.0 5.0 7.6#

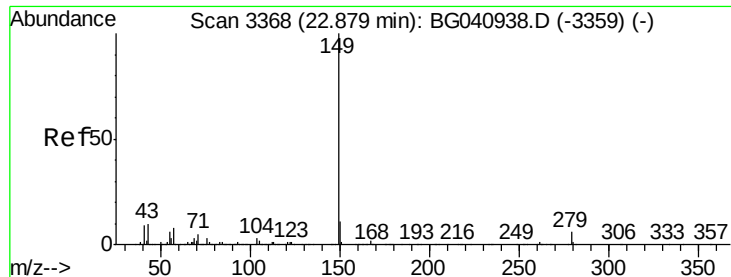


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

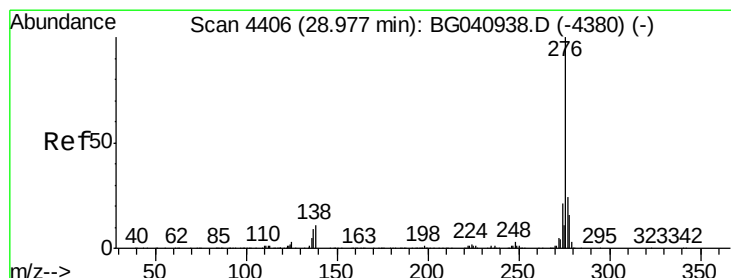
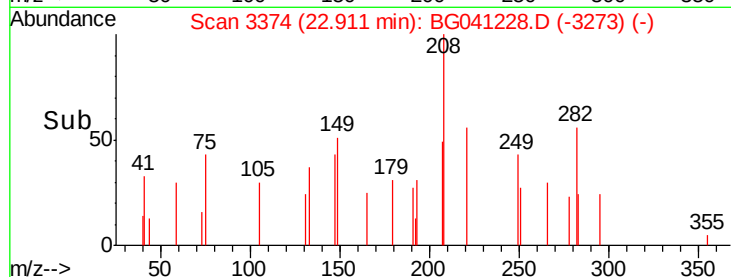
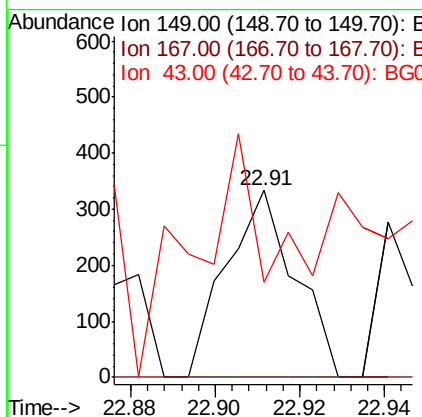
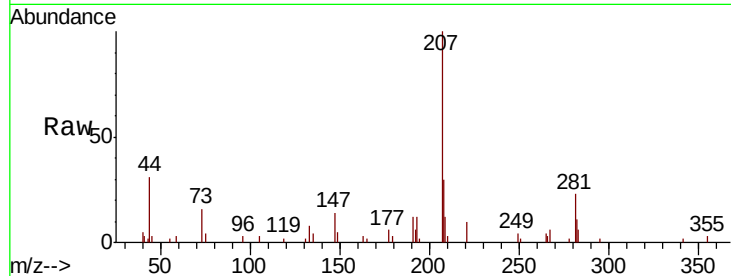




#85
Di-n-octyl phthalate
Concen: 98.051 ng
RT: 22.91 min Scan# 3374
Delta R.T. 0.06 min
Lab File: BG041228.D
Acq: 13 Jun 2019 12:45

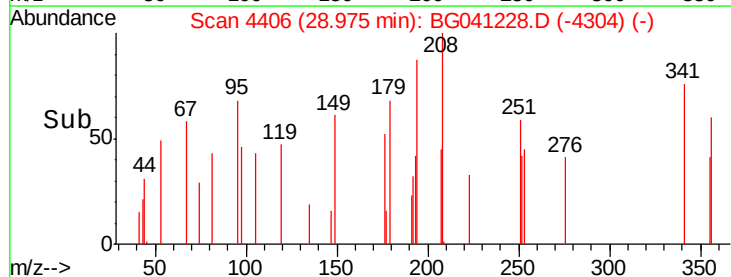
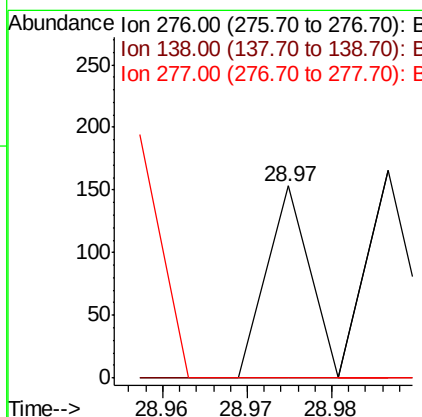
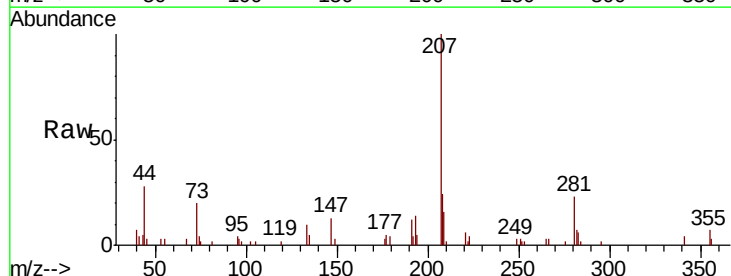
Instrument :
BNA_G
ClientSampleId :

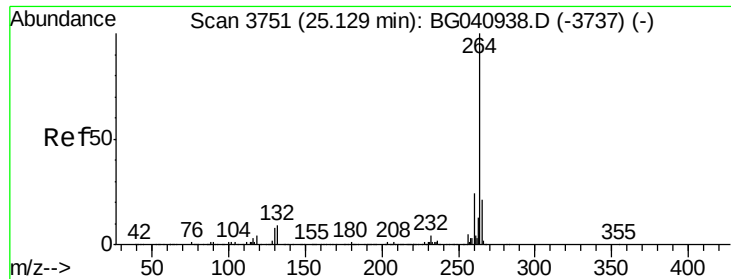
Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.4	2.0#
43	161.9	8.1	12.1#



#86
Indeno(1,2,3-cd)pyrene
Concen: 10.646 ng
RT: 28.97 min Scan# 4406
Delta R.T. 0.07 min
Lab File: BG041228.D
Acq: 13 Jun 2019 12:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.7	8.5#
277	125.9	20.8	31.2#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.18 min Scan# 3760

Delta R.T. 0.09 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Instrument :

BNA_G

ClientSampled :

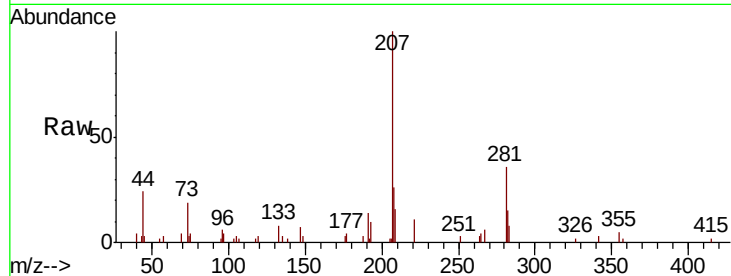
Tot Ion:264 Resp: 68

Ion Ratio Lower Upper

264 100

260 0.0 19.0 28.4#

265 135.9 17.0 25.4#

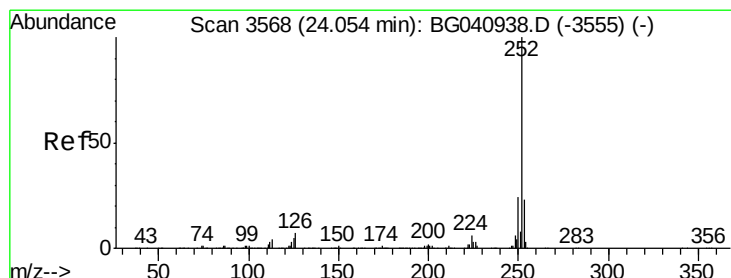
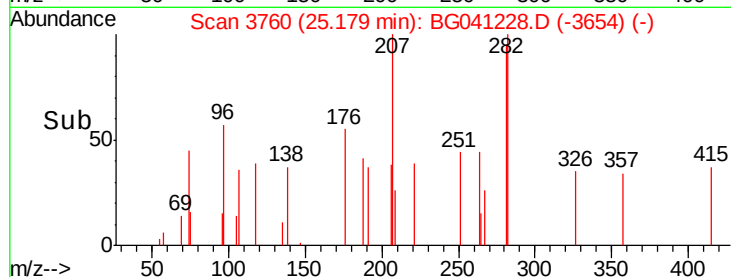
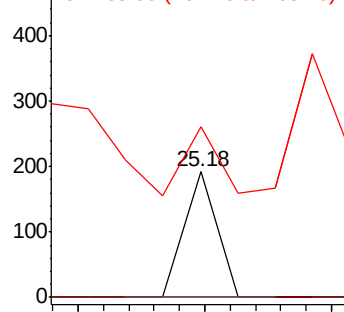


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 16.730 ng

RT: 24.10 min Scan# 3577

Delta R.T. 0.09 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

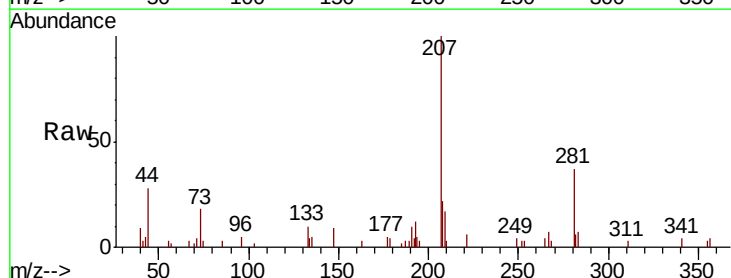
Tgt Ion:252 Resp: 69

Ion Ratio Lower Upper

252 100

253 84.7 18.4 27.6#

125 0.0 4.3 6.5#

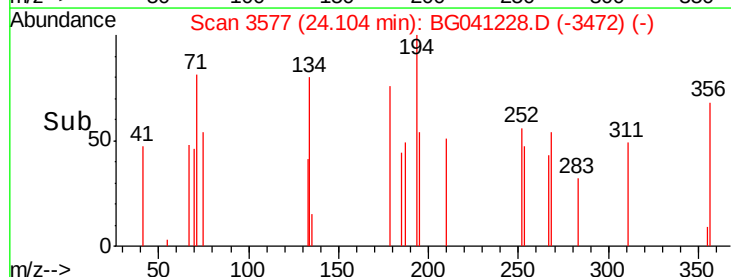
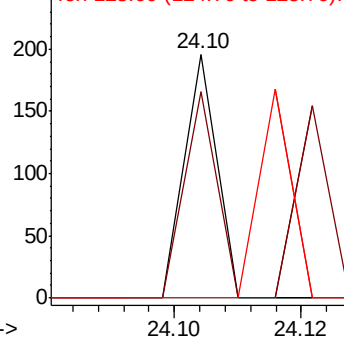


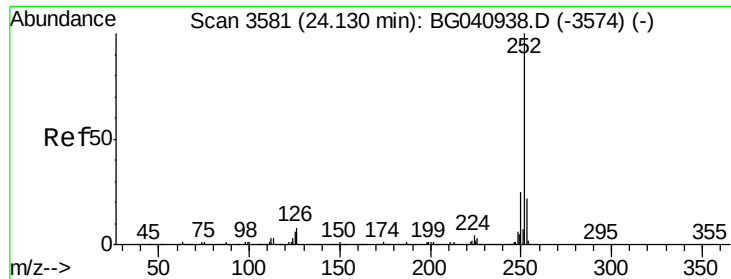
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 14.456 ng

RT: 24.16 min Scan# 3587

Delta R.T. 0.07 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Instrument :

BNA_G

ClientSampled :

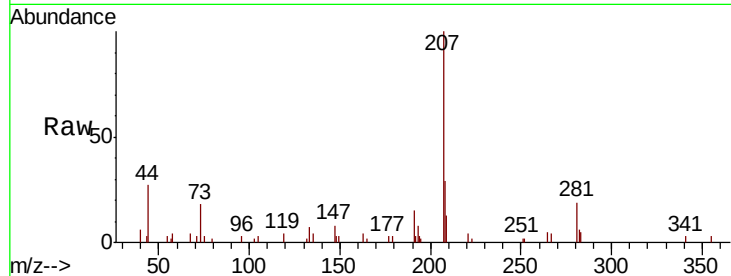
Tot Ion:252 Resp: 59

Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.6#

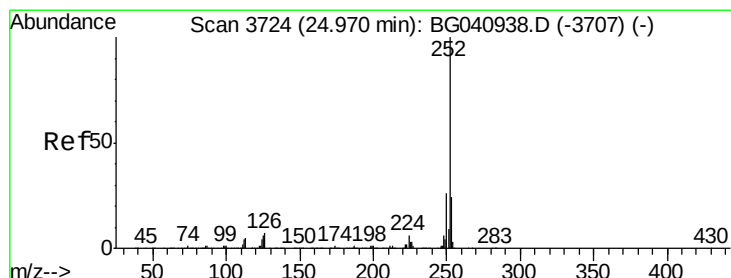
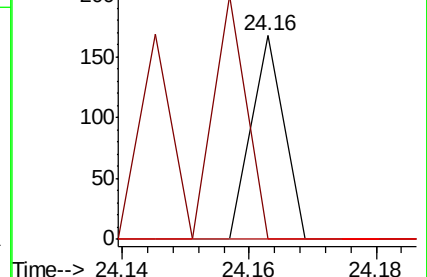
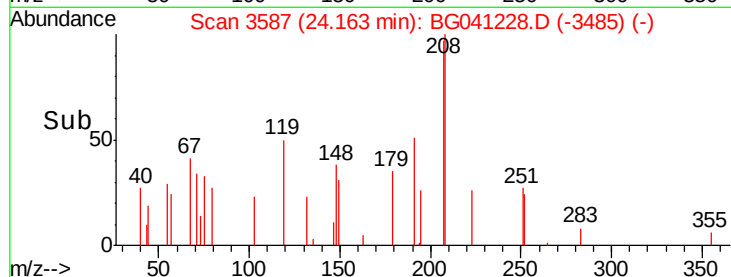
125 0.0 4.7 7.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 14.231 ng

RT: 25.03 min Scan# 3734

Delta R.T. 0.10 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

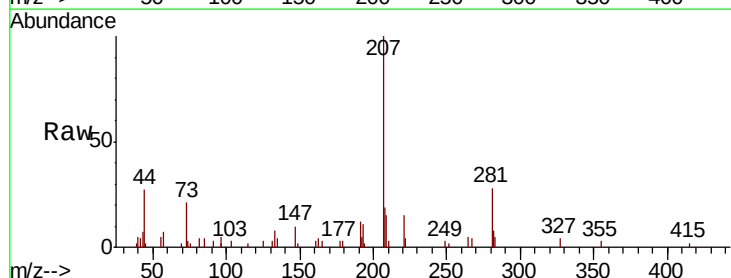
Tgt Ion:252 Resp: 56

Ion Ratio Lower Upper

252 100

253 0.0 19.5 29.3#

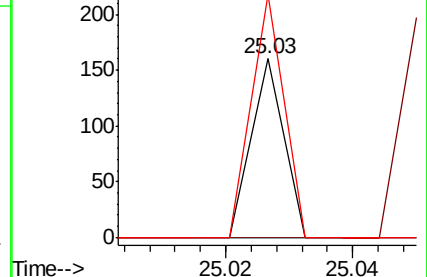
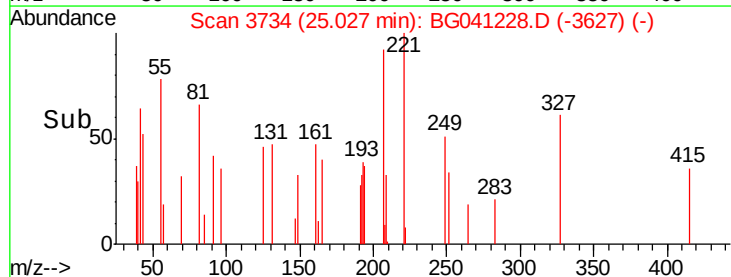
125 136.3 5.1 7.7#

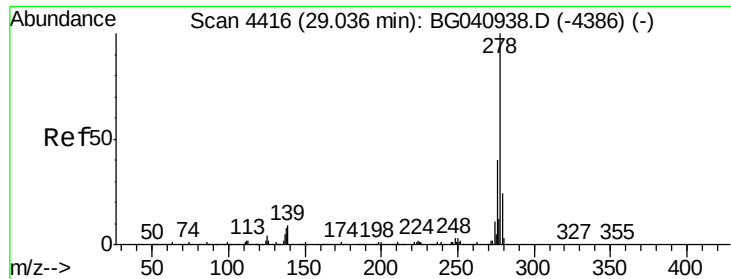


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 13.988 ng

RT: 29.22 min Scan# 4448

Delta R.T. 0.26 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

Instrument :

BNA_G

ClientSampled :

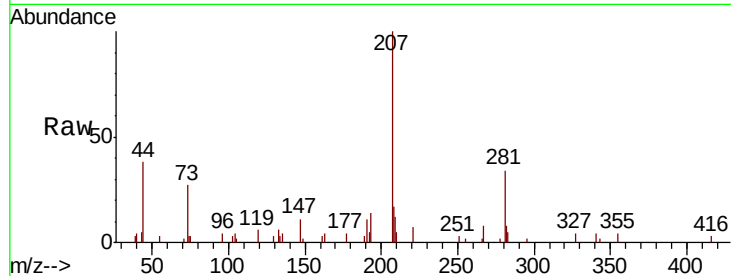
Tot Ion:278 Resp: 55

Ion Ratio Lower Upper

278 100

139 0.0 7.1 10.7#

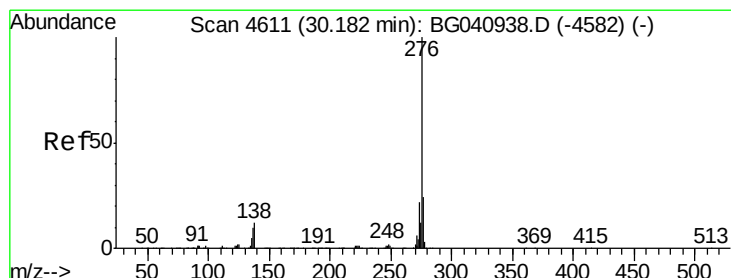
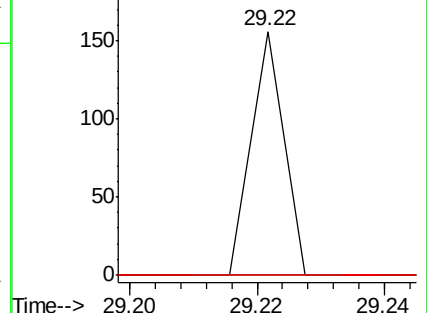
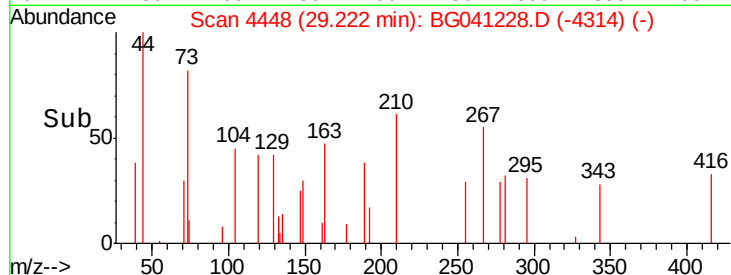
279 0.0 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 17.278 ng

RT: 30.31 min Scan# 4634

Delta R.T. 0.20 min

Lab File: BG041228.D

Acq: 13 Jun 2019 12:45

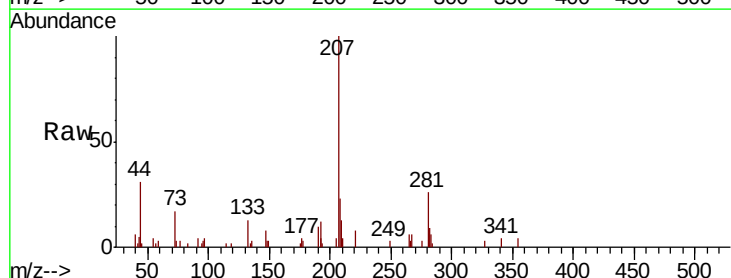
Tgt Ion:276 Resp: 66

Ion Ratio Lower Upper

276 100

277 0.0 19.4 29.0#

138 0.0 9.7 14.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

