

Data File : BG041915.D
Acq On : 3 Aug 2019 19:11
Operator : HP/JU
Sample : K3823-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A52Q9

Quant Time: Aug 04 02:34:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 02:31:42 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/ul	-8.05
18) Naphthalene-d8	10.53	136	95	20.00	ng/ul	-0.34
35) Acenaphthene-d10	14.14	164	6392	20.00	ng/ul	-0.56
61) Phenanthrene-d10	16.47	188	888	20.00	ng/ul	-0.98
77) Chrysene-d12	20.51	240	193	20.00	ng/ul	-1.22
85) Perylene-d12	23.62	264	140	20.00	ng/ul	-1.40

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	2479	0.00	ng/uL	0.00
5) Phenol-d5	7.19	99	51347	0.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	109783	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	150895	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	93650	0.00	ng/ul	-0.01
19) Nitrobenzene-d5	9.20	128	89730	125476.41	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.93	143	109751	132180.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	189372	112975.21	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.53	131	62	33.33	ng/ul	-0.46
43) Dimethylphthalate-d6	14.10	166	576425	1162.74	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	523629	924.66	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.07	176	64	0.15	ng/ul	-0.62
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	16.47	188	888	20.84	ng/ul	-1.08
78) Pyrene-d10	18.87	212	60	5.57	ng/ul	-0.97
89) Benzo(a)pyrene-d12	23.40	264	209	28.58	ng/ul	-1.38

Target Compounds

					Qvalue	
20) Nitrobenzene	9.20	77	342	209.974	ng/ul#	37
21) Isophorone	9.46	82	226	69.593	ng/ul#	63
25) Bis(2-Chloroethoxy)methane	10.48	93	271	140.557	ng/ul#	44
28) Naphthalene	10.48	128	931	191.693	ng/ul#	1
32) Caprolactam	11.10	113	222	412.808	ng/ul#	1
44) Dimethylphthalate	14.14	163	57140	116.085	ng/ul	97
45) 2,6-Dinitrotoluene	14.14	165	802	7.491	ng/ul#	39
48) 3-Nitroaniline	14.10	138	33369	390.810	ng/ul#	55
52) 4-Nitrophenol	14.39	109	855	13.861	ng/ul#	1
67) Atrazine	15.94	200	249	22.552	ng/ul#	33
71) Anthracene	17.12	178	134	2.718	ng/ul#	59
75) Di-n-butylphthalate	17.38	149	111	2.205	ng/ul#	76
76) Fluoranthene	18.41	202	161	2.866	ng/ul#	78
79) Pyrene	18.75	202	217	16.715	ng/ul#	75
80) Butylbenzylphthalate	19.59	149	166	32.486	ng/ul#	76
81) 3,3'-Dichlorobenzidine	20.39	252	121	27.584	ng/ul#	24
82) Benzo(a)anthracene	20.50	228	74	5.530	ng/ul#	1
83) Bis(2-ethylhexyl)phthalate	20.42	149	202	28.973	ng/ul#	72
84) Chrysene	20.56	228	218	17.454	ng/ul#	1
86) Di-n-octyl phthalate	21.58	149	251	36.237	ng/ul	100
87) Benzo(b)fluoranthene	22.63	252	53	6.033	ng/ul#	1
88) Benzo(k)fluoranthene	22.69	252	331	39.184	ng/ul#	1
90) Benzo(a)pyrene	23.48	252	198	23.650	ng/ul#	1

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Quantitation Report (Not Reviewed)

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91) Indeno(1,2,3-cd)pyrene	27.15	276	171	17.511	ng/ul#	46
92) Dibenzo(a,h)anthracene	27.21	278	273	34.274	ng/ul#	1
93) Benzo(g,h,i)perylene	28.24	276	193	23.673	ng/ul#	31

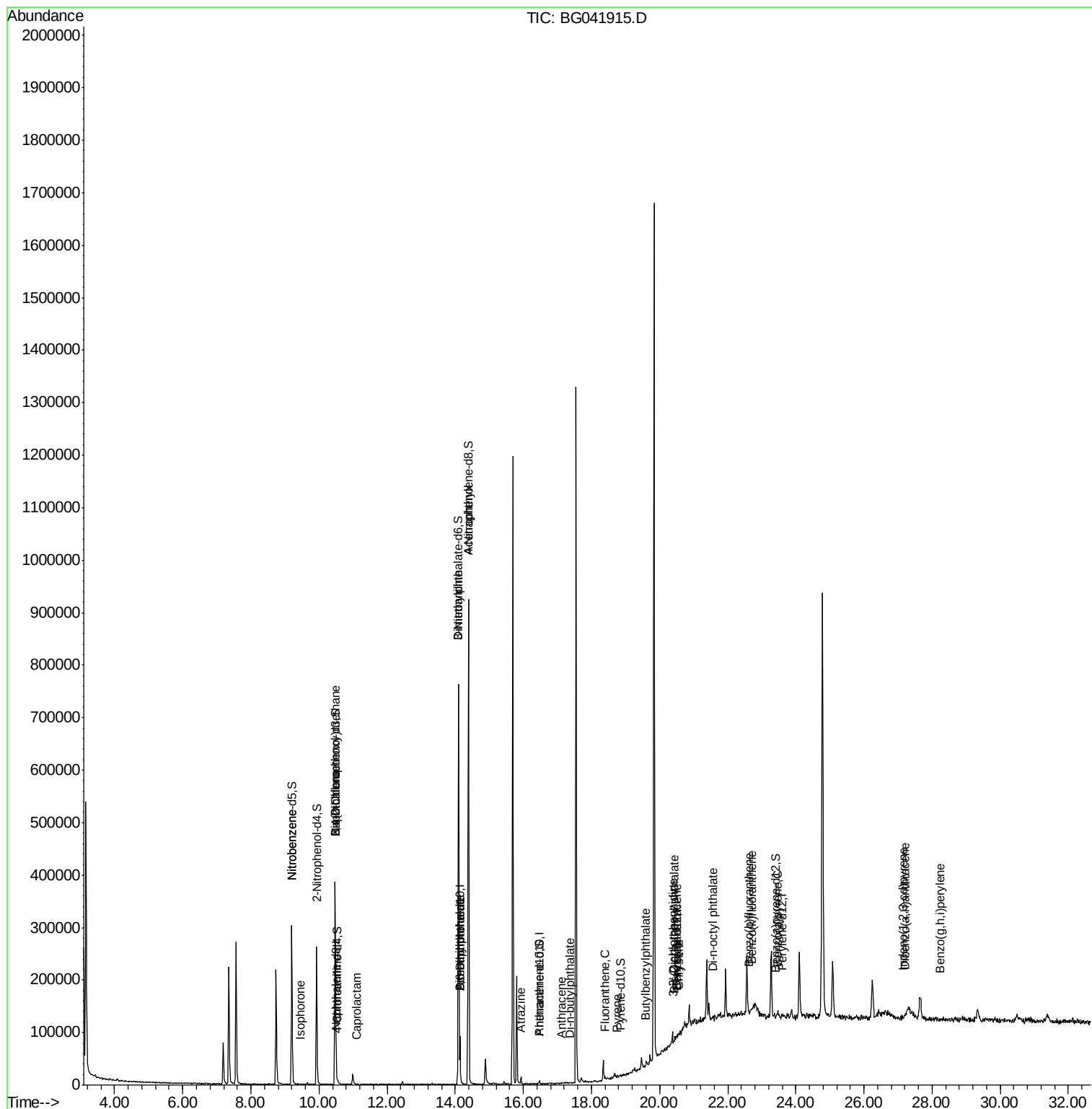
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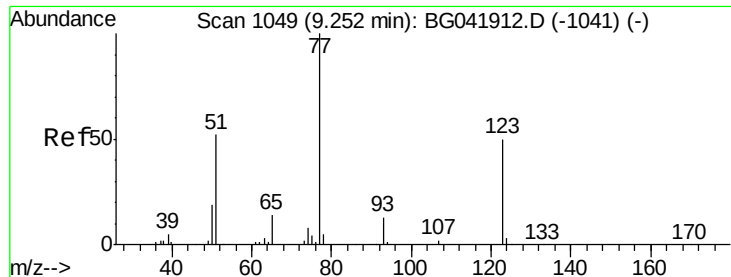
Data File : BG041915.D

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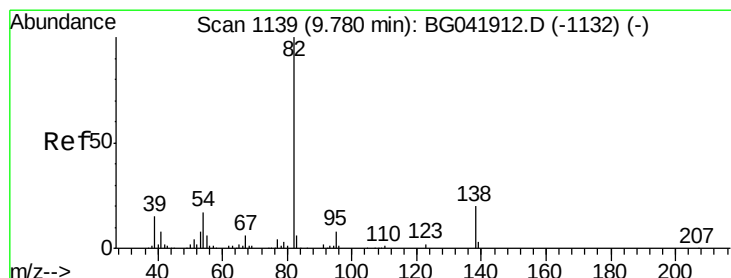
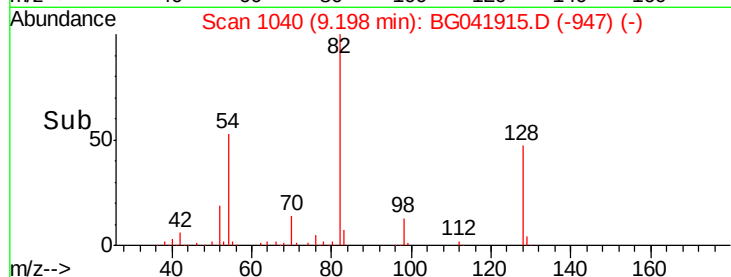
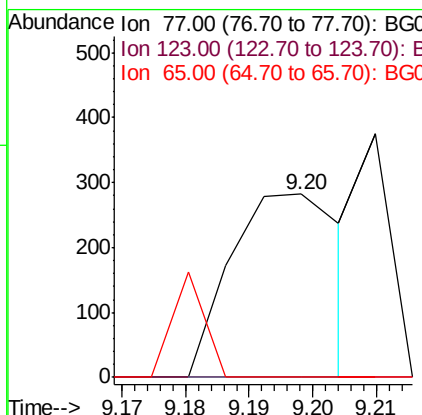
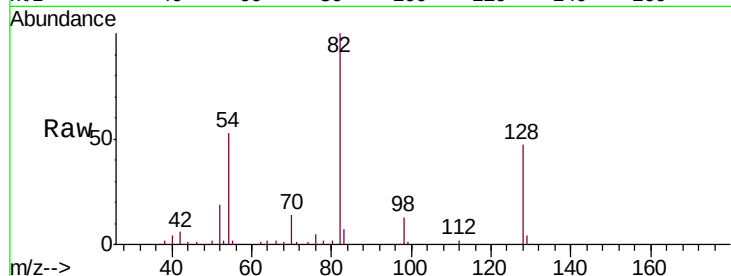




#20
 Nitrobenzene
 Concen: 209.974 ng/ul
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BG041915.D
 Acq: 3 Aug 2019 19:11

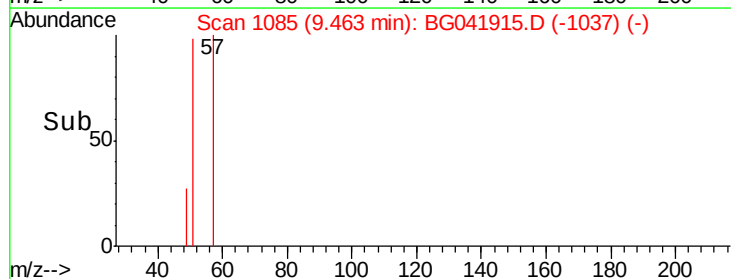
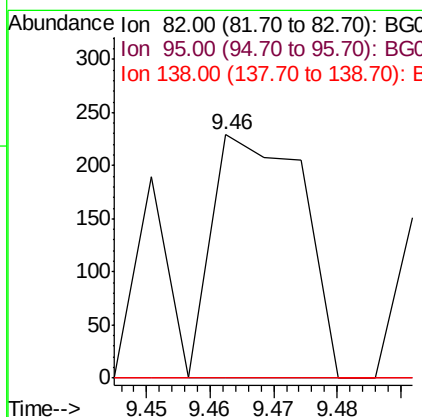
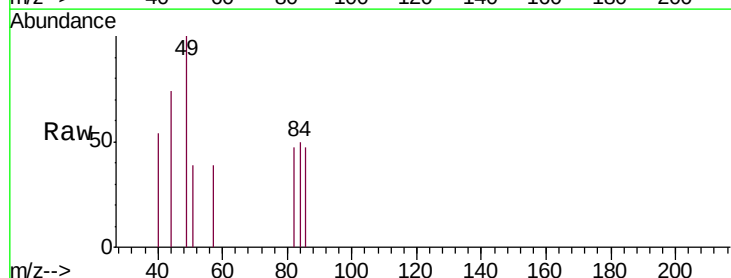
Instrument :
 BNA_G
 ClientSampleId :
 A52Q9

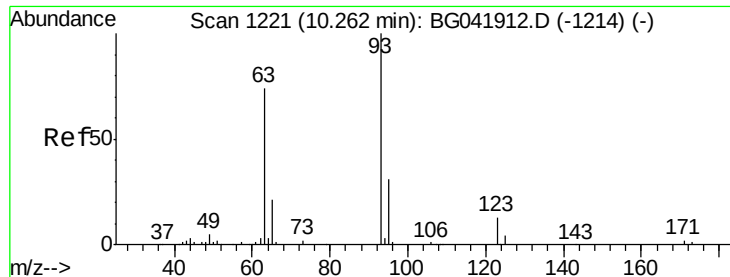
Tgt Ion: 77 Resp: 342
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.3 57.5#
 65 0.0 11.6 17.4#



#21
 Isophorone
 Concen: 69.593 ng/ul
 RT: 9.46 min Scan# 1085
 Delta R.T. -0.32 min
 Lab File: BG041915.D
 Acq: 3 Aug 2019 19:11

Tgt Ion: 82 Resp: 226
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 15.8 23.8#





#25

Bis(2-Chloroethoxy)methane

Concen: 140.557 ng/ul

RT: 10.48 min Scan# 1258

Delta R.T. 0.22 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

Instrument :

BNA_G

ClientSampleId :

A52Q9

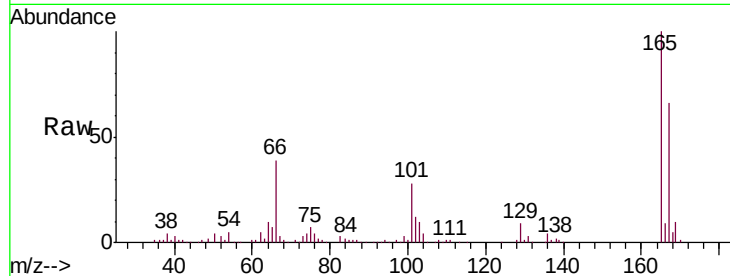
Tgt Ion: 93 Resp: 271

Ion Ratio Lower Upper

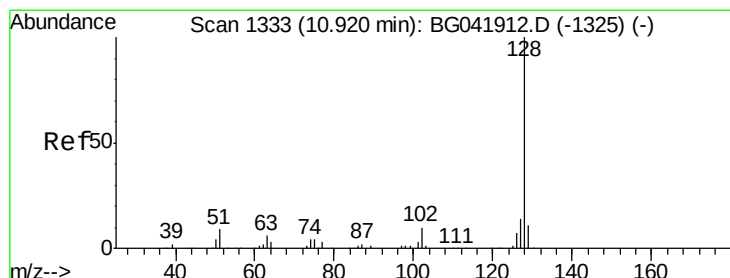
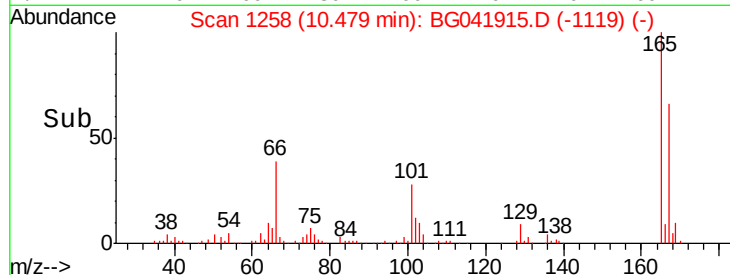
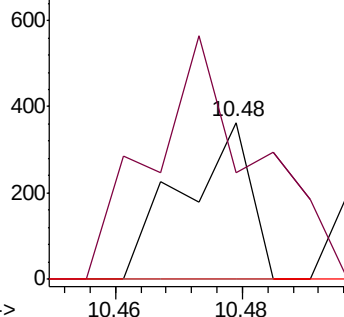
93 100

95 68.3 25.4 38.0#

123 0.0 9.6 14.4#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): BGC



#28

Naphthalene

Concen: 191.693 ng/ul

RT: 10.48 min Scan# 1258

Delta R.T. -0.44 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

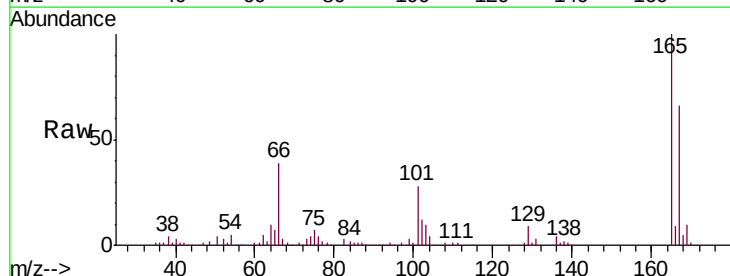
Tgt Ion:128 Resp: 931

Ion Ratio Lower Upper

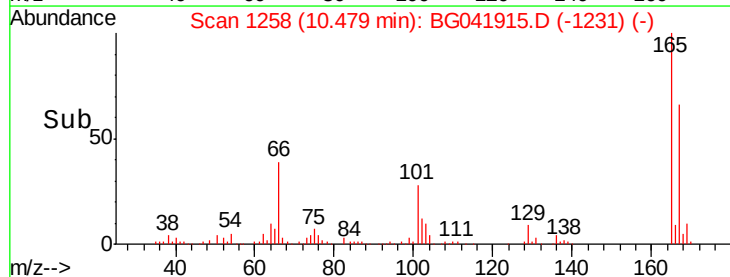
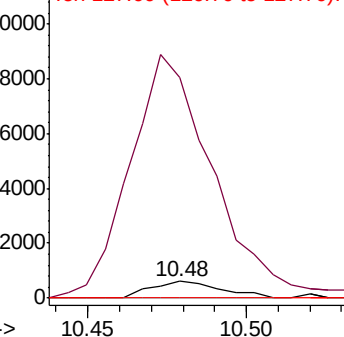
128 100

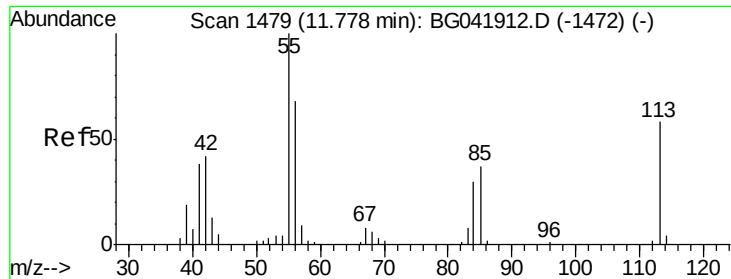
129 1306.8 9.5 14.3#

127 0.0 11.4 17.0#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

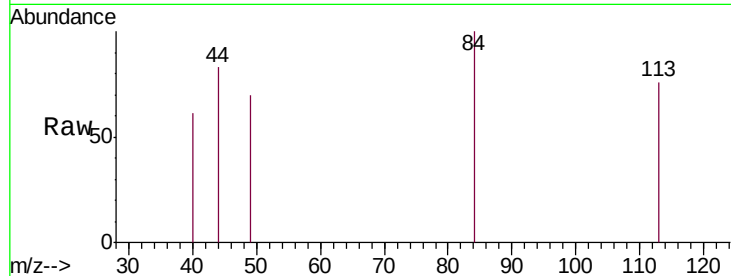




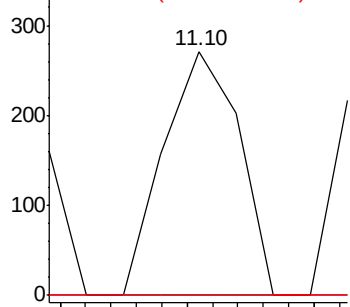
#32
 Caprolactam
 Concen: 412.808 ng/ul
 RT: 11.10 min Scan# 1364
 Delta R.T. -0.68 min
 Lab File: BG041915.D
 Acq: 3 Aug 2019 19:11

Instrument :
 BNA_G
 ClientSampleId :
 A52Q9

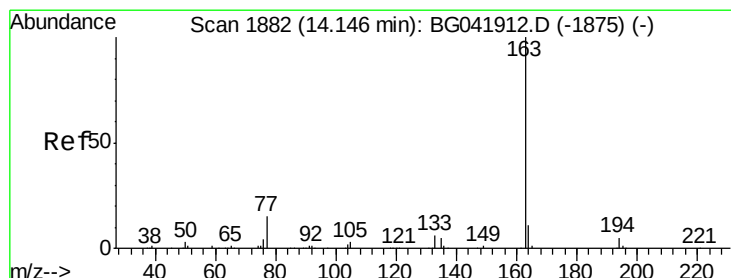
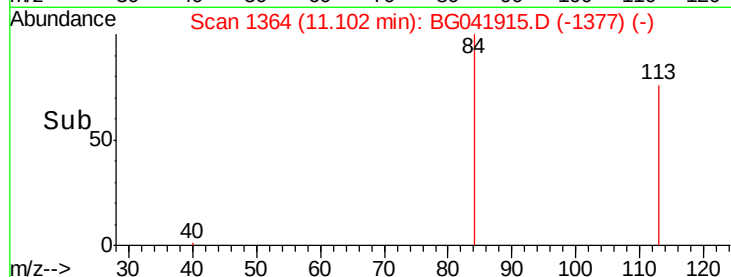
Tgt Ion:113 Resp: 222
 Ion Ratio Lower Upper
 113 100
 55 0.0 142.4 213.6#
 56 0.0 109.4 164.2#



Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BG0
 Ion 56.00 (55.70 to 56.70): BG0

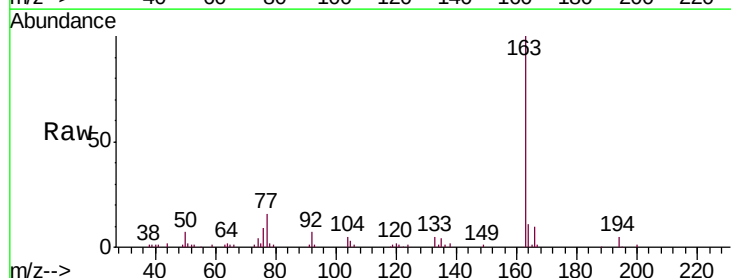


Time-->

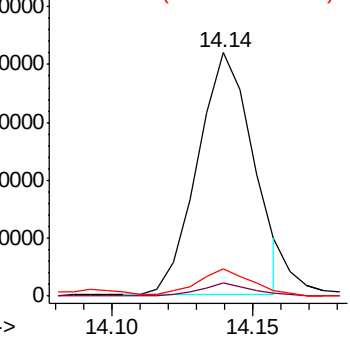


#44
 Dimethylphthalate
 Concen: 116.085 ng/ul
 RT: 14.14 min Scan# 1881
 Delta R.T. -0.01 min
 Lab File: BG041915.D
 Acq: 3 Aug 2019 19:11

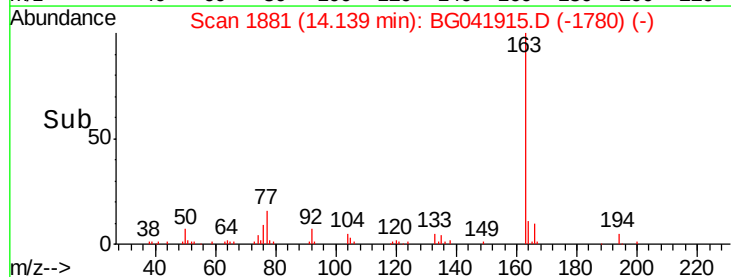
Tgt Ion:163 Resp: 57140
 Ion Ratio Lower Upper
 163 100
 194 5.3 4.2 6.2
 164 11.1 7.8 11.8

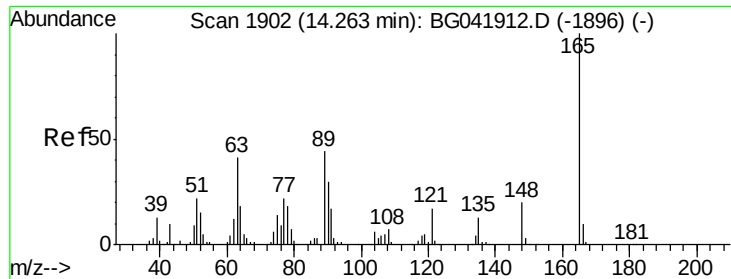


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E



Time-->

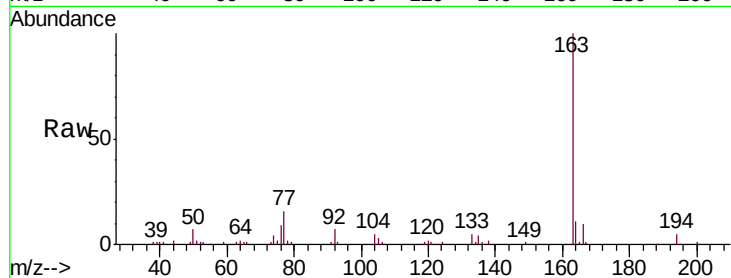




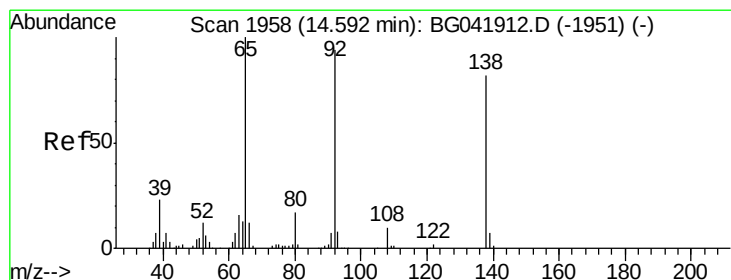
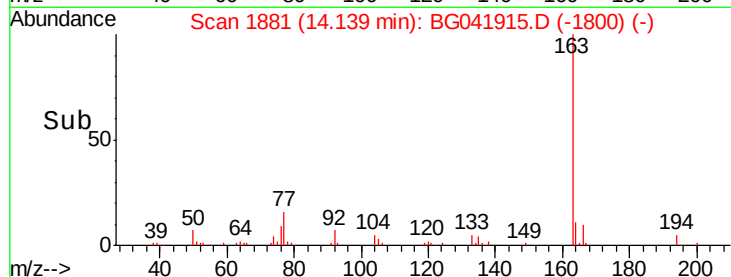
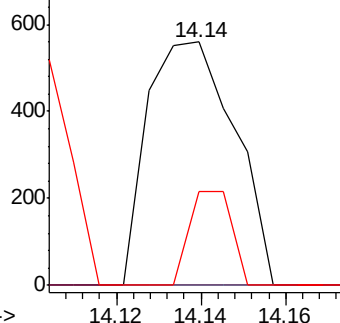
#45
 2,6-Dinitrotoluene
 Concen: 7.491 ng/ul
 RT: 14.14 min Scan# 1881
 Delta R.T. -0.12 min
 Lab File: BG041915.D
 Acq: 3 Aug 2019 19:11

Instrument :
 BNA_G
 ClientSampleId :
 A52Q9

Tgt Ion:165 Resp: 802
 Ion Ratio Lower Upper
 165 100
 89 0.0 36.8 55.2#
 121 38.6 15.6 23.4#

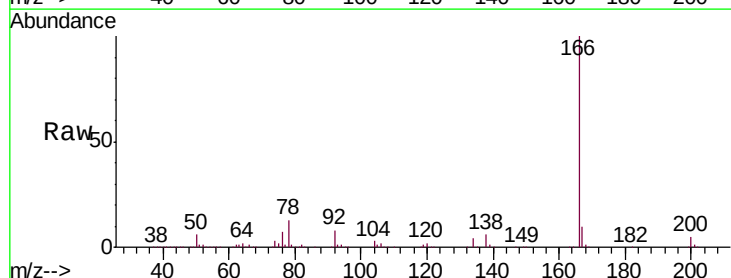


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BG
 Ion 121.00 (120.70 to 121.70): E

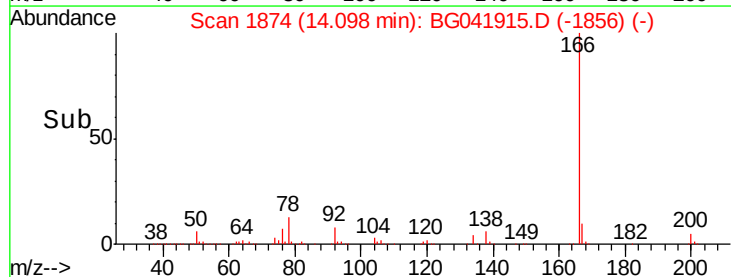
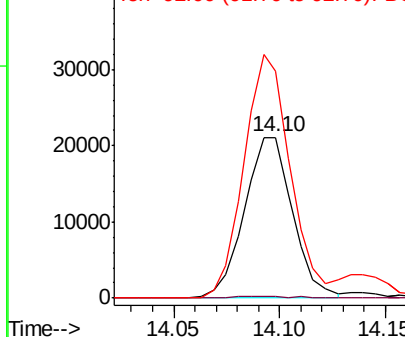


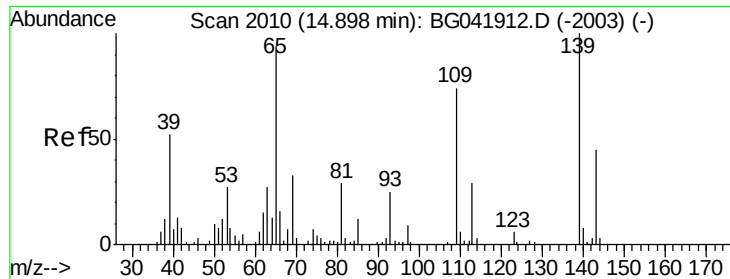
#48
 3-Nitroaniline
 Concen: 390.810 ng/ul
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.49 min
 Lab File: BG041915.D
 Acq: 3 Aug 2019 19:11

Tgt Ion:138 Resp: 33369
 Ion Ratio Lower Upper
 138 100
 108 0.9 7.6 11.4#
 92 141.2 76.4 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BG

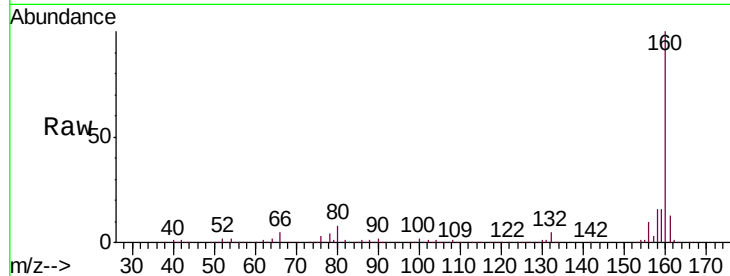




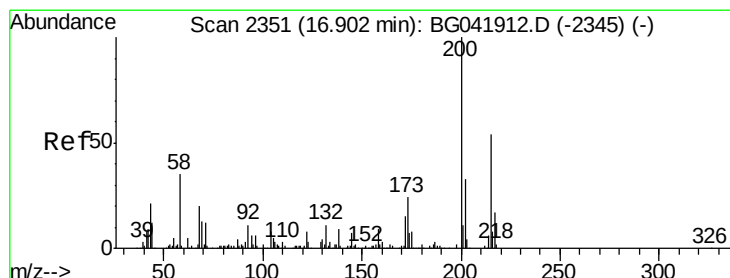
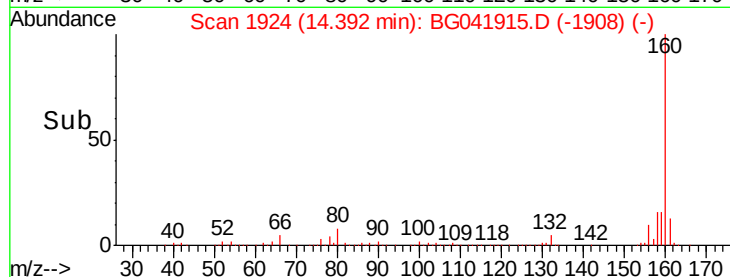
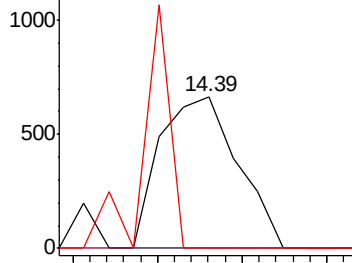
#52
4-Nitrophenol
Concen: 13.861 ng/ul
RT: 14.39 min Scan# 1924
Delta R.T. -0.51 min
Lab File: BG041915.D
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ClientSampled :
A52Q9

Tgt Ion	Ratio	Lower	Upper
109	100		
139	0.0	111.8	167.6#
65	0.0	103.6	155.4#

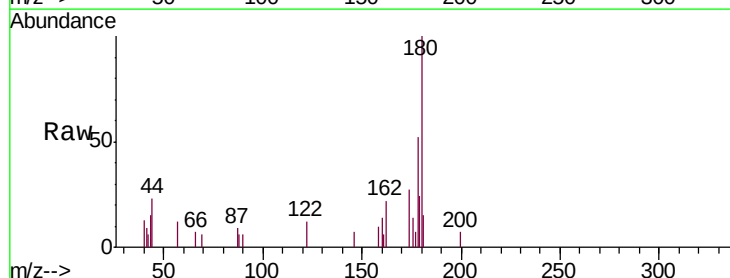


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BGC

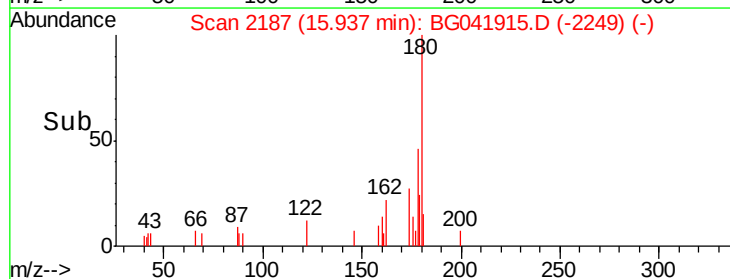
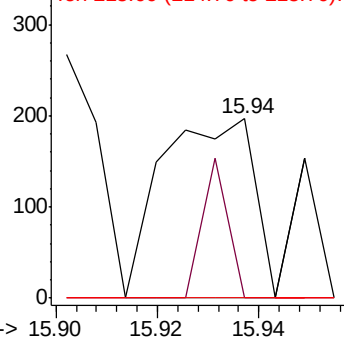


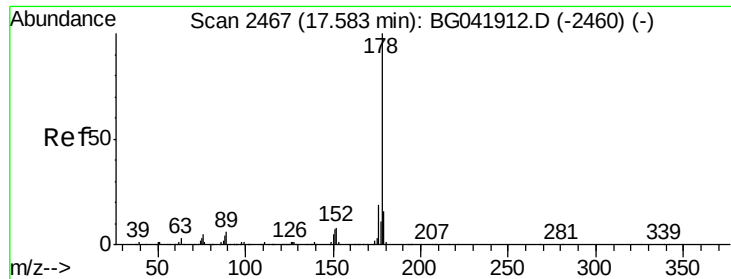
#67
Atrazine
Concen: 22.552 ng/ul
RT: 15.94 min Scan# 2187
Delta R.T. -0.96 min
Lab File: BG041915.D
Acq: 3 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	19.0	28.6#
215	0.0	43.0	64.6#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#71

Anthracene

Concen: 2.718 ng/ul

RT: 17.12 min Scan# 2389

Delta R.T. -0.46 min

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Instrument :

BNA_G

ClientSampleId :

A52Q9

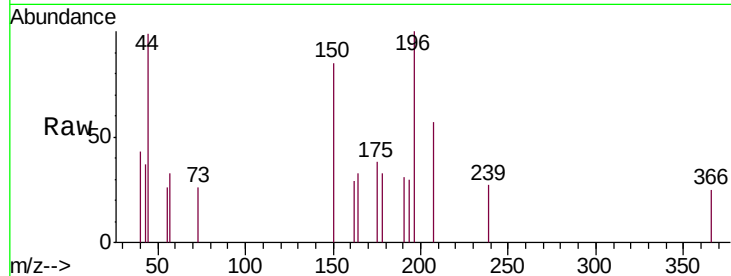
Tgt Ion:178 Resp: 134

Ion Ratio Lower Upper

178 100

179 0.0 13.4 20.0#

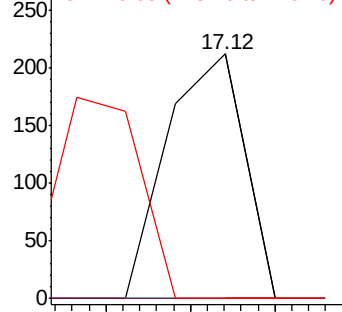
176 0.0 15.4 23.2#



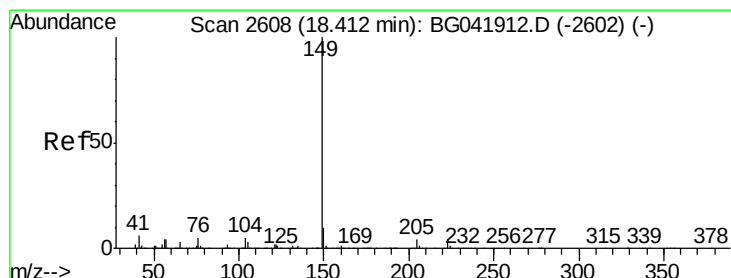
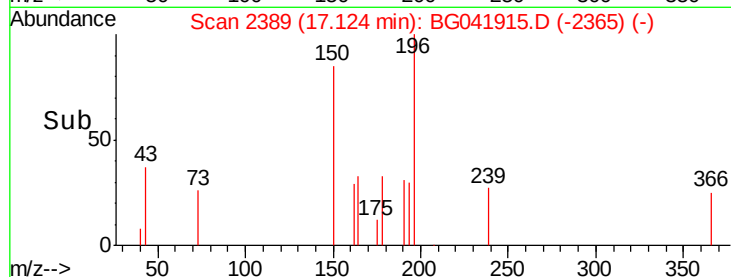
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Di-n-butylphthalate

Concen: 2.205 ng/ul

RT: 17.38 min Scan# 2433

Delta R.T. -1.03 min

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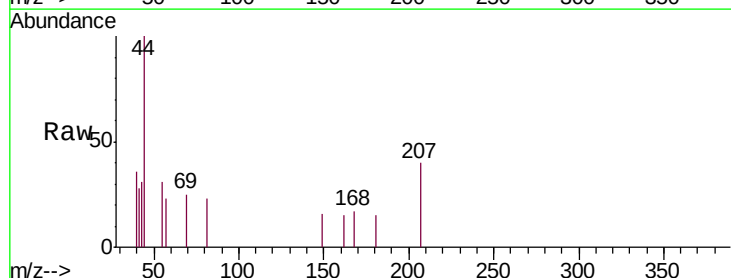
Tgt Ion:149 Resp: 111

Ion Ratio Lower Upper

149 100

150 0.0 8.3 12.5#

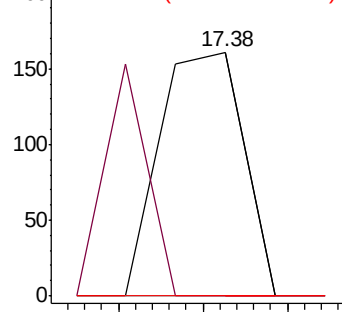
104 0.0 3.9 5.9#



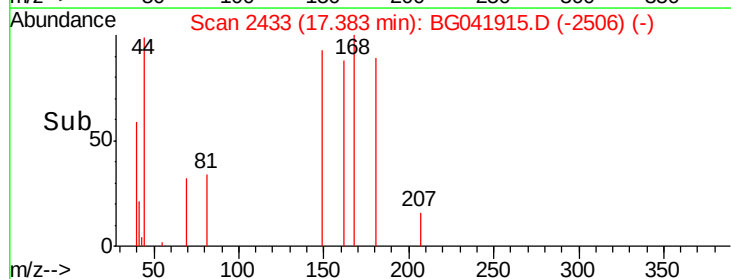
Abundance Ion 149.00 (148.70 to 149.70): E

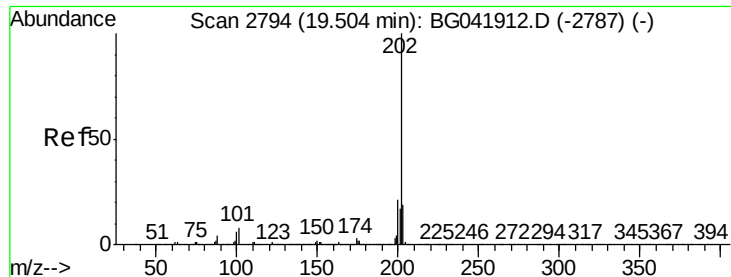
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

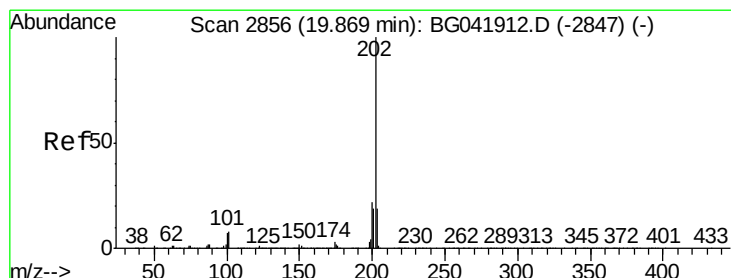
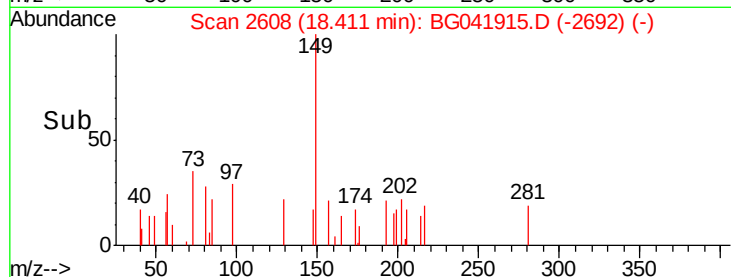
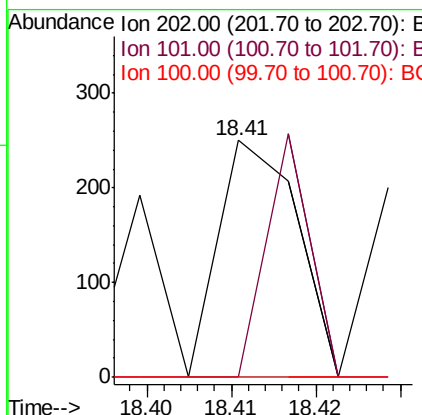
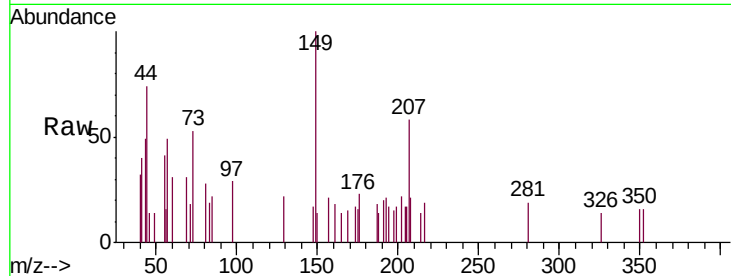




#76
Fluoranthene
Concen: 2.866 ng/ul
RT: 18.41 min Scan# 2608
Delta R.T. -1.09 min
Lab File: BG041915.D
Acq: 3 Aug 2019 19:11

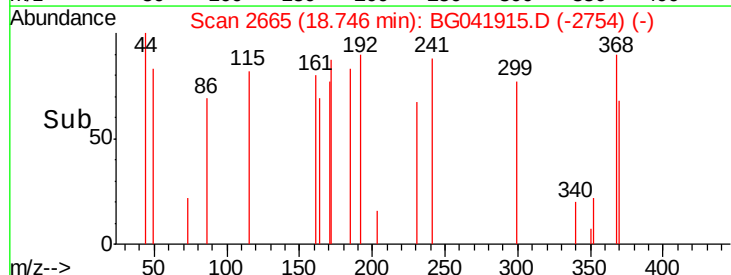
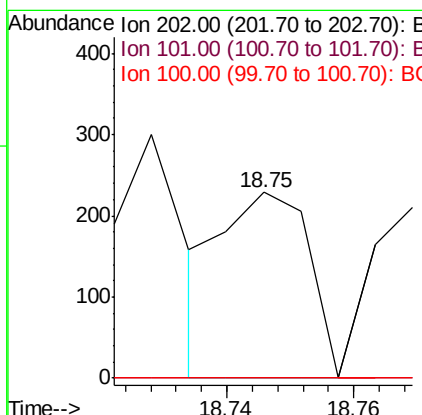
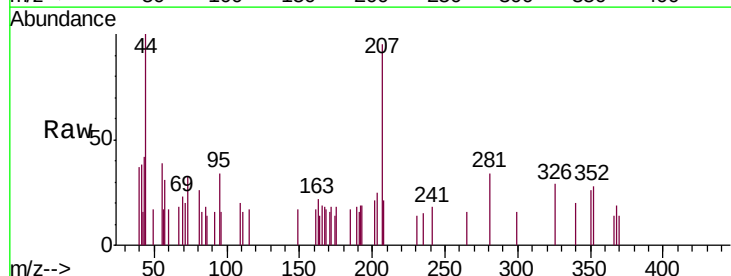
Instrument :
BNA_G
ClientSampleId :
A52Q9

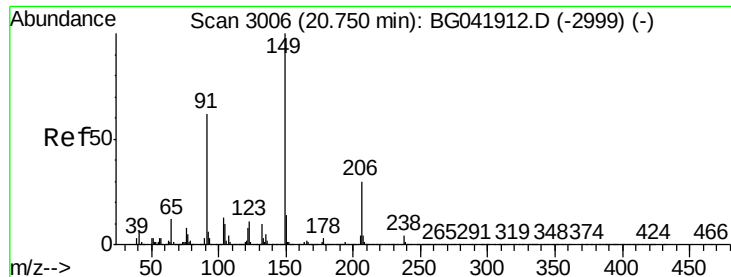
Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	6.7	10.1#
100	0.0	5.3	7.9#



#79
Pyrene
Concen: 16.715 ng/ul
RT: 18.75 min Scan# 2665
Delta R.T. -1.12 min
Lab File: BG041915.D
Acq: 3 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	7.6	11.4#
100	0.0	6.5	9.7#

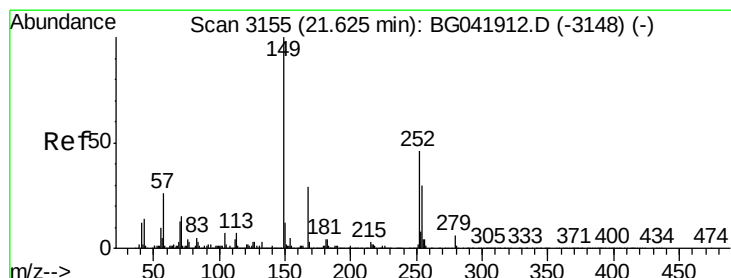
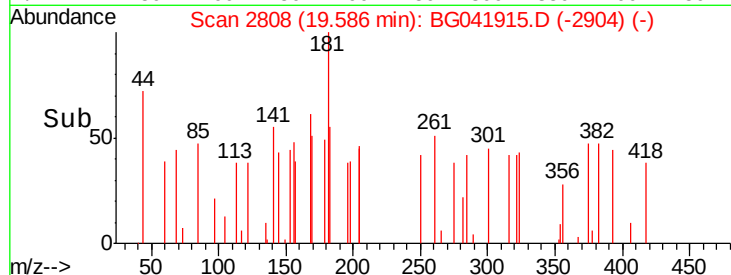
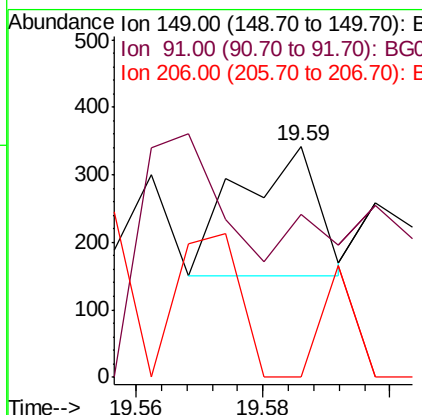
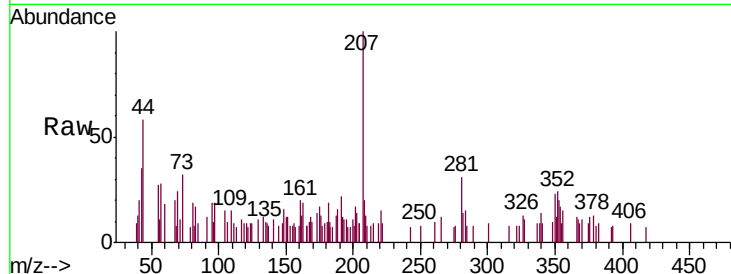




#80
Butylbenzylphthalate
Concen: 32.486 ng/ul
RT: 19.59 min Scan# 2808
Delta R.T. -1.16 min
Lab File: BG041915.D
Acq: 3 Aug 2019 19:11

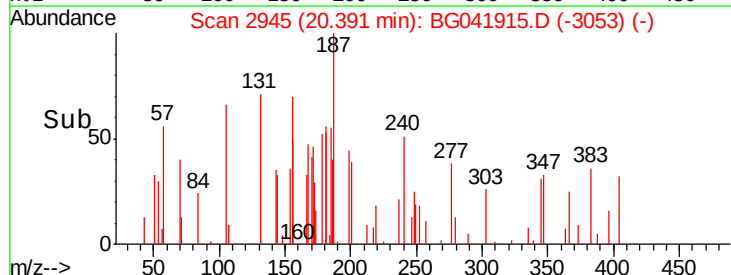
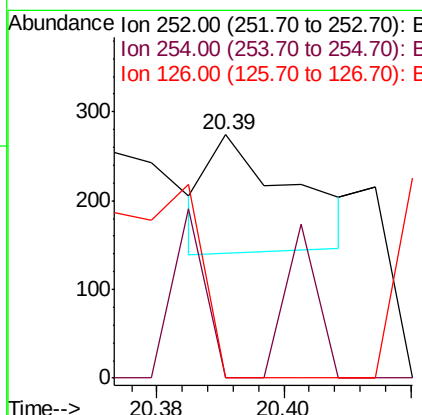
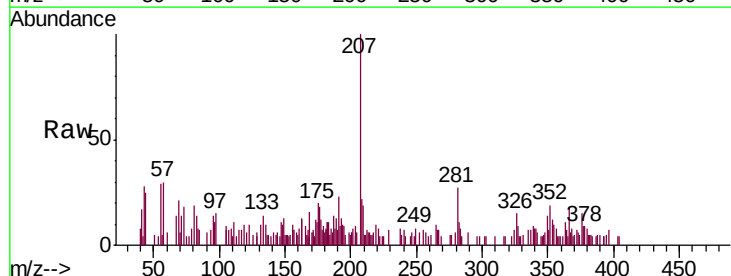
Instrument :
BNA_G
ClientSampleId :
A52Q9

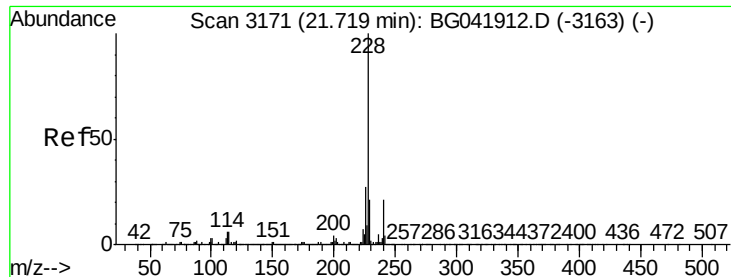
Tgt Ion:149 Resp: 166
Ion Ratio Lower Upper
149 100
91 70.8 49.5 74.3
206 0.0 21.3 31.9#



#81
3,3'-Dichlorobenzidine
Concen: 27.584 ng/ul
RT: 20.39 min Scan# 2945
Delta R.T. -1.23 min
Lab File: BG041915.D
Acq: 3 Aug 2019 19:11

Tgt Ion:252 Resp: 121
Ion Ratio Lower Upper
252 100
254 0.0 53.1 79.7#
126 0.0 6.9 10.3#





#82

Benzo(a)anthracene

Concen: 5.530 ng/ul

RT: 20.50 min Scan# 2963

Delta R.T. -1.22 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

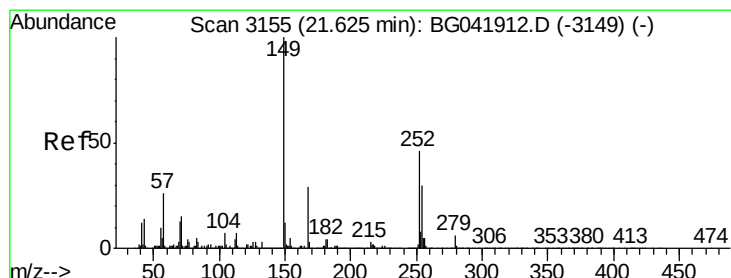
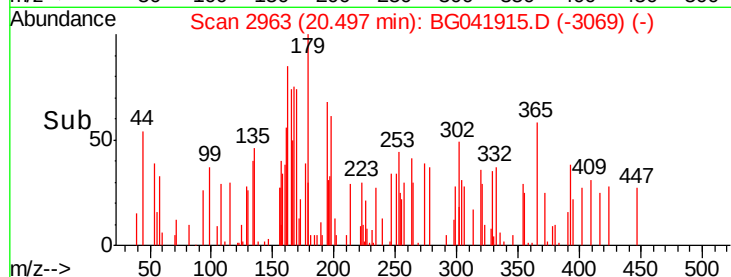
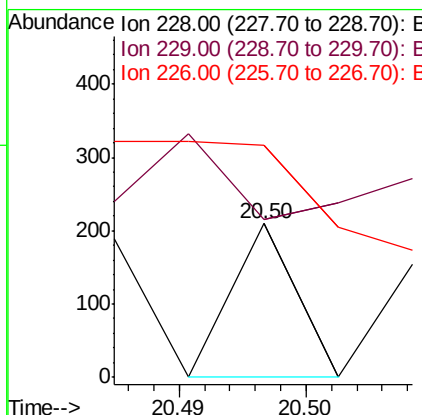
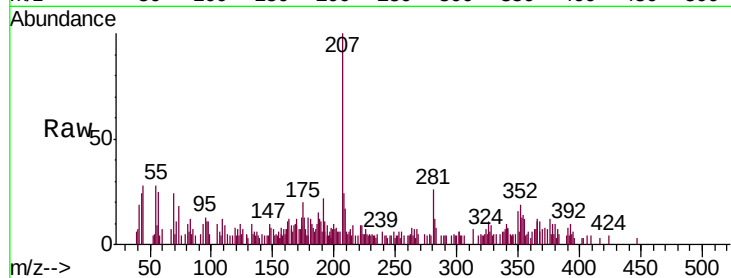
Instrument :

BNA_G

ClientSampleId :

A52Q9

Tgt Ion:	228	Resp:	74
Ion	Ratio	Lower	Upper
228	100		
229	102.4	17.0	25.6#
226	151.0	23.3	34.9#



#83

Bis(2-ethylhexyl)phthalate

Concen: 28.973 ng/ul

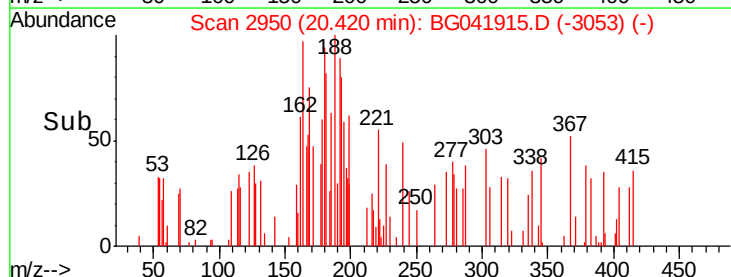
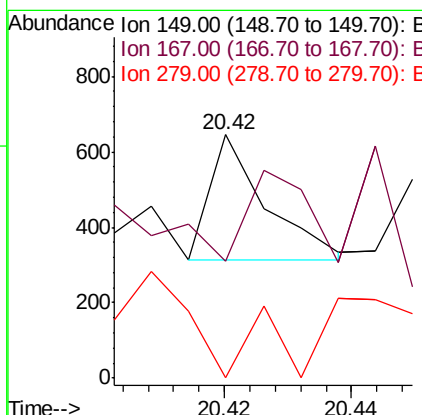
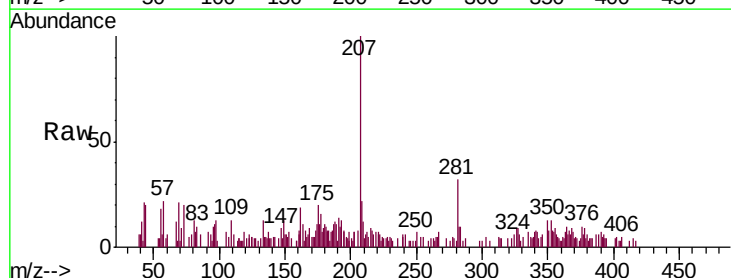
RT: 20.42 min Scan# 2950

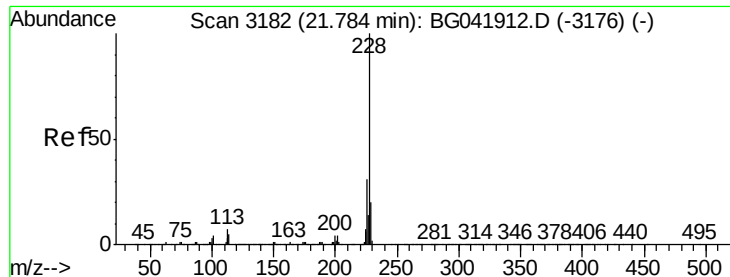
Delta R.T. -1.21 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

Tgt Ion:	149	Resp:	202
Ion	Ratio	Lower	Upper
149	100		
167	47.8	25.0	37.4#
279	0.0	5.2	7.8#





#84

Chrysene

Concen: 17.454 ng/ul

RT: 20.56 min Scan# 2974

Delta R.T. -1.22 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

Instrument :

BNA_G

ClientSampled :

A52Q9

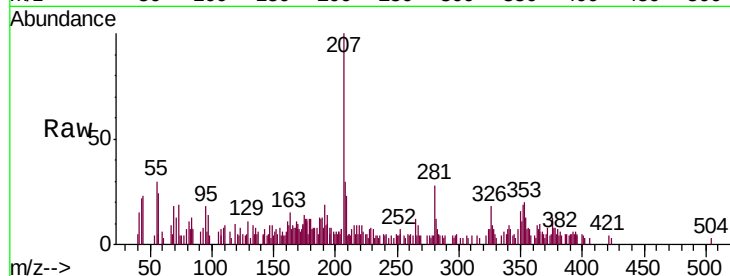
Tgt Ion:228 Resp: 218

Ion Ratio Lower Upper

228 100

226 73.2 25.7 38.5#

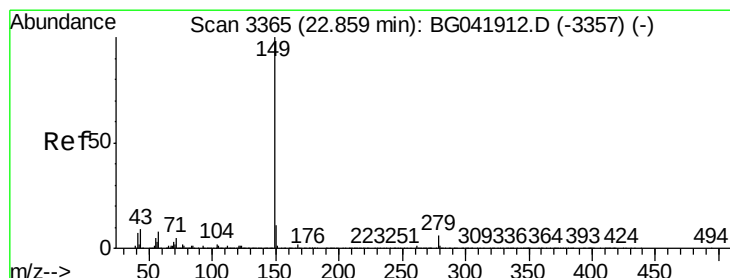
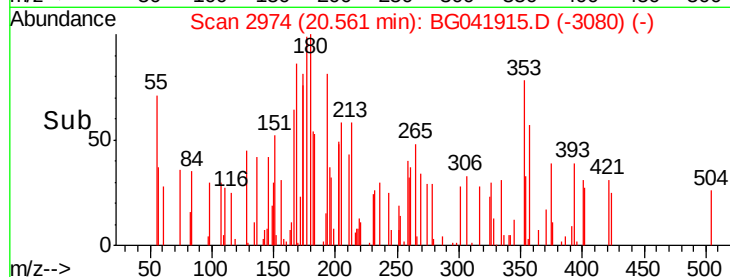
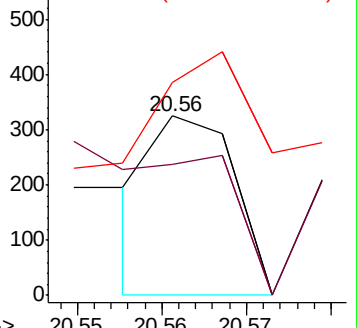
229 118.5 16.6 24.8#



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



#86

Di-n-octyl phthalate

Concen: 36.237 ng/ul

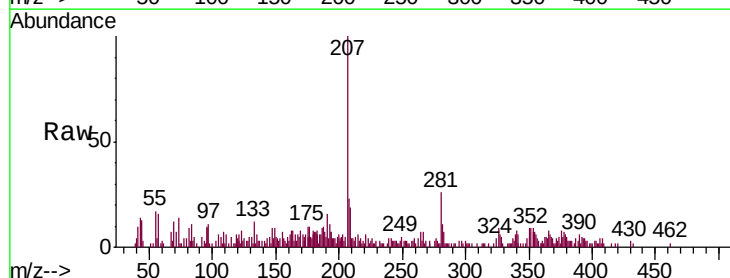
RT: 21.58 min Scan# 3147

Delta R.T. -1.28 min

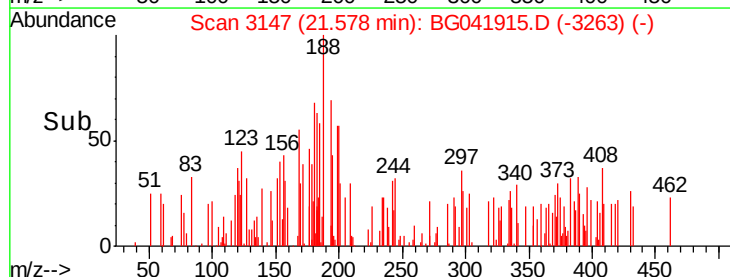
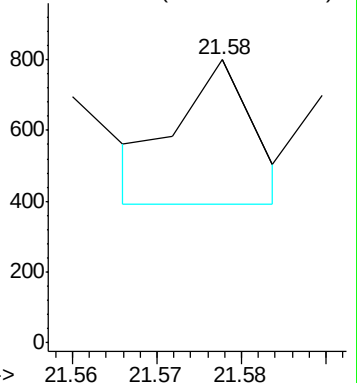
Lab File: BG041915.D

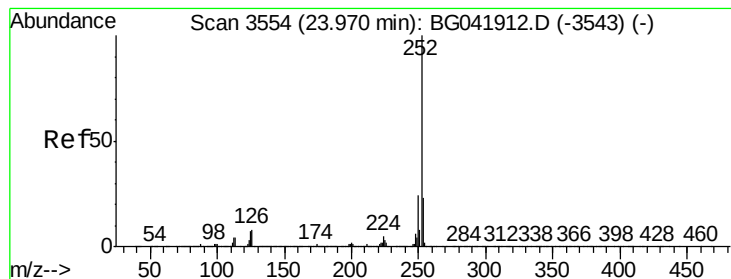
Acq: 3 Aug 2019 19:11

Tgt Ion:149 Resp: 251



Abundance Ion 149.00 (148.70 to 149.70): E





#87

Benzo(b)fluoranthene

Concen: 6.033 ng/ul

RT: 22.63 min Scan# 3326

Delta R.T. -1.34 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

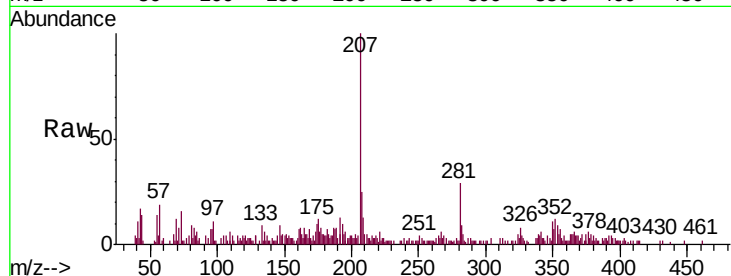
Instrument :

BNA_G

ClientSampleId :

A52Q9

Tgt Ion:	252	Resp:	53
Ion Ratio	Lower	Upper	
252	100		
253	83.2	18.4	27.6#
125	207.0	5.8	8.8#

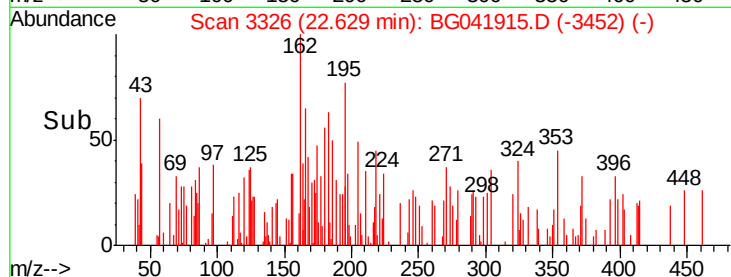


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

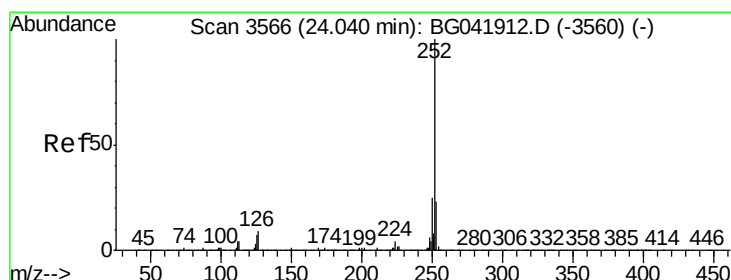
Ion 125.00 (124.70 to 125.70): E

Time-->



Abundance

Time-->



#88

Benzo(k)fluoranthene

Concen: 39.184 ng/ul

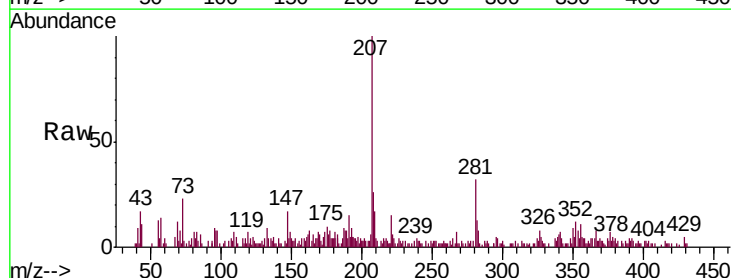
RT: 22.69 min Scan# 3337

Delta R.T. -1.35 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

Tgt Ion:	252	Resp:	331
Ion Ratio	Lower	Upper	
252	100		
253	92.7	18.3	27.5#
125	139.1	5.5	8.3#

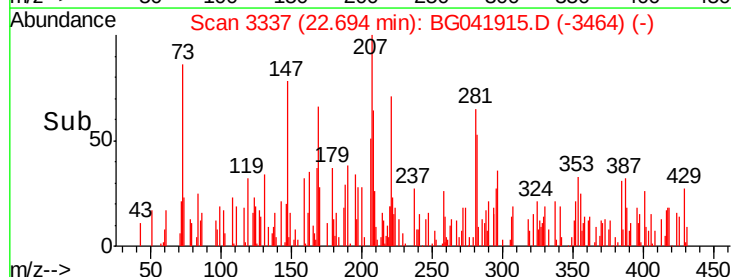


Abundance Ion 252.00 (251.70 to 252.70): E

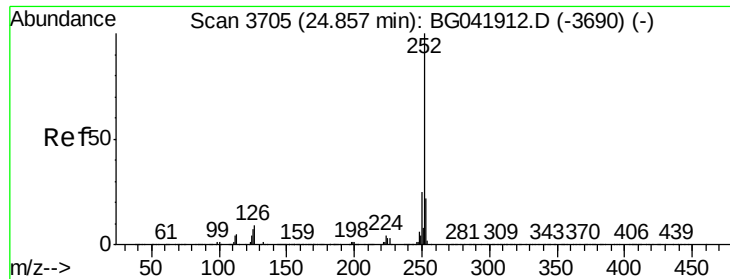
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#90

Benzo(a)pyrene

Concen: 23.650 ng/ul

RT: 23.48 min Scan# 3470

Delta R.T. -1.38 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

Instrument :

BNA_G

ClientSampleId :

A52Q9

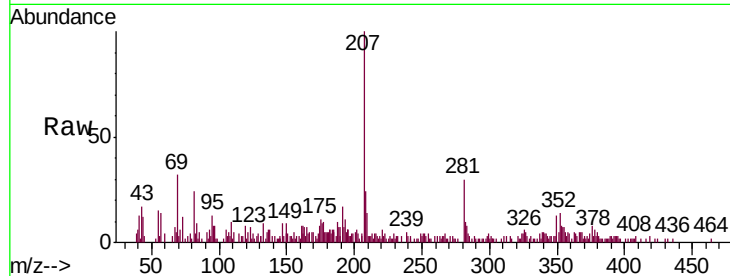
Tgt Ion:252 Resp: 198

Ion Ratio Lower Upper

252 100

253 73.9 18.3 27.5#

125 94.4 6.5 9.7#

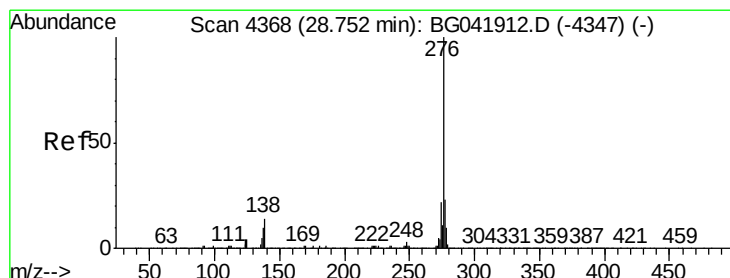
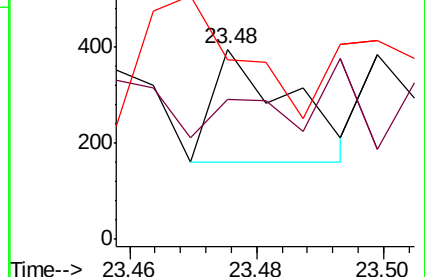
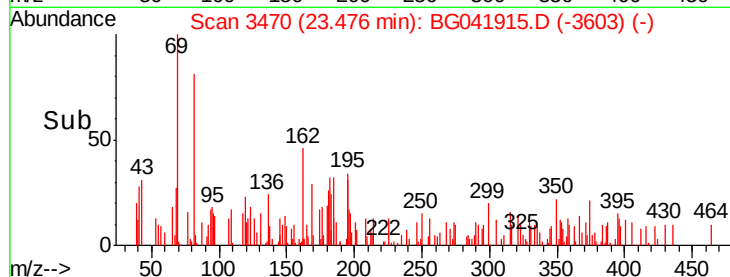


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 23.46 23.48 23.50



#91

Indeno(1,2,3-cd)pyrene

Concen: 17.511 ng/ul

RT: 27.15 min Scan# 4095

Delta R.T. -1.60 min

Lab File: BG041915.D

Acq: 3 Aug 2019 19:11

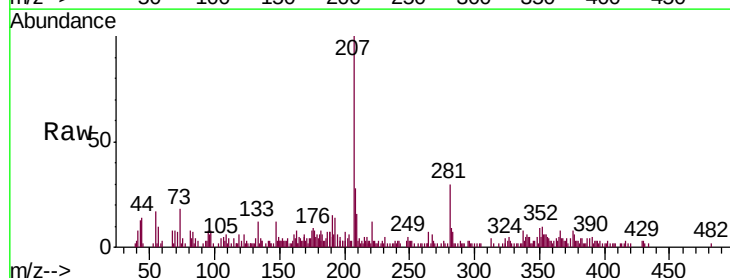
Tgt Ion:276 Resp: 171

Ion Ratio Lower Upper

276 100

138 0.0 12.0 18.0#

277 55.9 19.2 28.8#

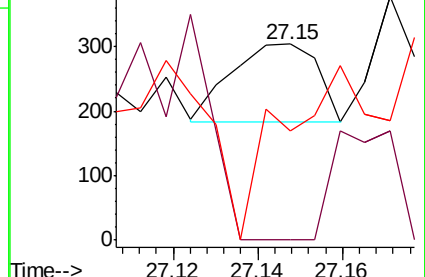
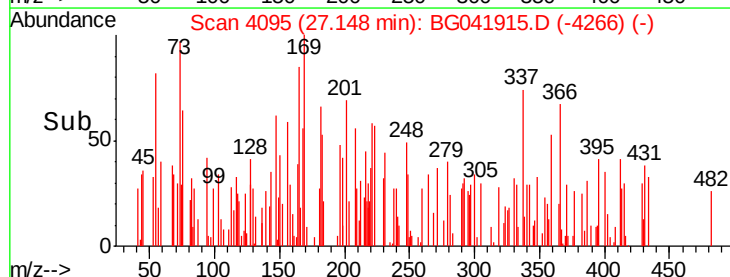


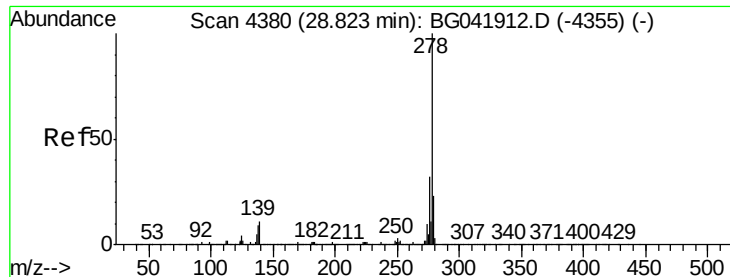
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time--> 27.12 27.14 27.16



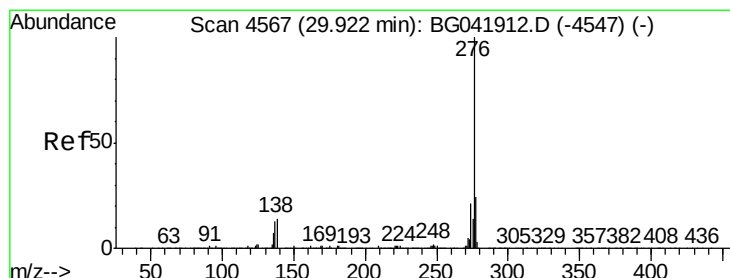
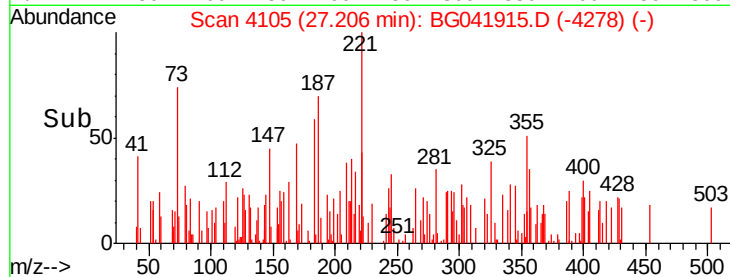
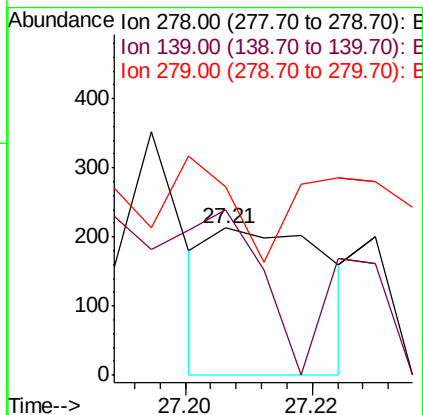
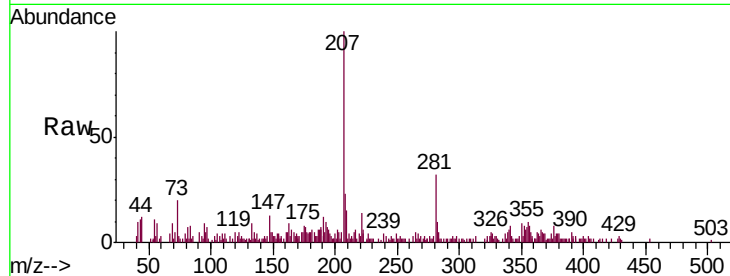


#92

Dibenzo(a,h)anthracene
Concen: 34.274 ng/ul
RT: 27.21 min Scan# 4105
Delta R.T. -1.62 min
Lab File: BG041915.D
Acq: 3 Aug 2019 19:11

Instrument :
BNA_G
ClientSampleId :
A52Q9

Tgt Ion:278 Resp: 273
Ion Ratio Lower Upper
278 100
139 112.7 9.4 14.0#
279 128.2 19.2 28.8#



#93

Benzo(g,h,i)perylene
Concen: 23.673 ng/ul
RT: 28.24 min Scan# 4281
Delta R.T. -1.68 min
Lab File: BG041915.D
Acq: 3 Aug 2019 19:11

Tgt Ion:276 Resp: 193
Ion Ratio Lower Upper
276 100
138 0.0 12.6 18.8#
277 68.3 19.2 28.8#

