

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
 Data File : BG041232.D
 Acq On : 13 Jun 2019 15:17
 Operator : HP/JU
 Sample : K3309-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 13 17:19:10 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	8.03	152	62	20.00	ng	-0.08
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	17.85	188	69	20.00	ng	0.37
76) Chrysene-d12	22.35	240	65	20.00	ng	0.59
87) Perylene-d12	0.00	264	0	0.00	ng	-25.09

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.24	99	63	11.86	ng	-0.01
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	16.64	330	79	0.00	ng	0.41
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

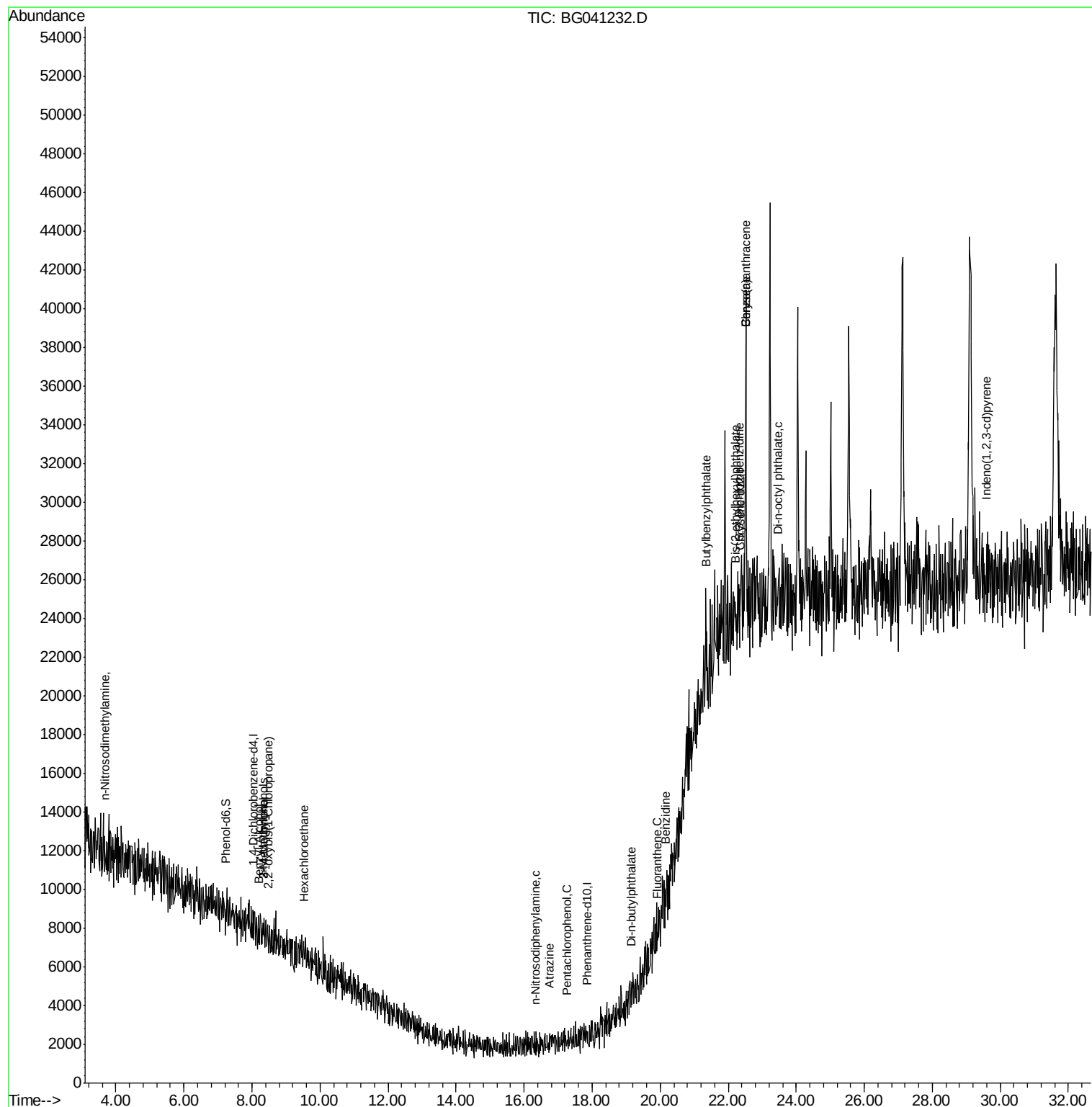
						Qvalue
4) n-Nitrosodimethylamine	3.69	42	74	34.537	ng	# 1
15) Benzyl Alcohol	8.20	79	53	10.790	ng	# 19
16) 2,2'-oxybis(1-Chloropropan	8.49	45	61	9.038	ng	# 69
17) 2-Methylphenol	8.34	107	56	13.584	ng	# 10
18) Hexachloroethane	9.53	117	64	33.508	ng	# 1
20) 3+4-Methylphenols	8.34	107	56	9.807	ng	# 20
66) n-Nitrosodiphenylamine	16.33	169	53	27.324	ng	# 54
69) Atrazine	16.75	200	69	92.193	ng	# 35
70) Pentachlorophenol	17.27	266	60	111.203	ng	# 18
74) Di-n-butylphthalate	19.15	149	54	14.285	ng	# 77
75) Fluoranthene	19.90	202	203	45.728	ng	# 64
77) Benzidine	20.16	184	54	34.825	ng	# 64
80) Butylbenzylphthalate	21.36	149	291	176.969	ng	# 24
81) Benzo(a)anthracene	22.50	228	62	14.329	ng	# 49
82) 3,3'-Dichlorobenzidine	22.31	252	53	34.826	ng	# 24
83) Chrysene	22.50	228	62	14.974	ng	# 49
84) Bis(2-ethylhexyl)phthalate	22.22	149	111	47.953	ng	# 50
85) Di-n-octyl phthalate	23.48	149	71	18.417	ng	# 1
86) Indeno(1,2,3-cd)pyrene	29.59	276	54	10.646	ng	# 56

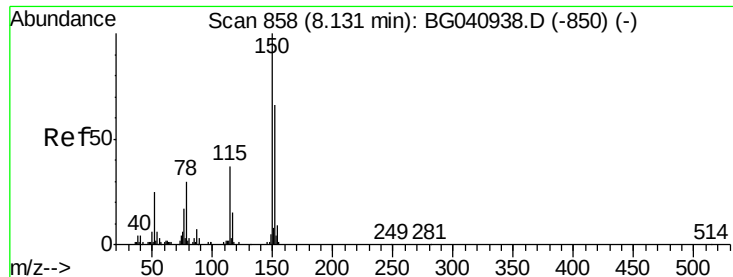
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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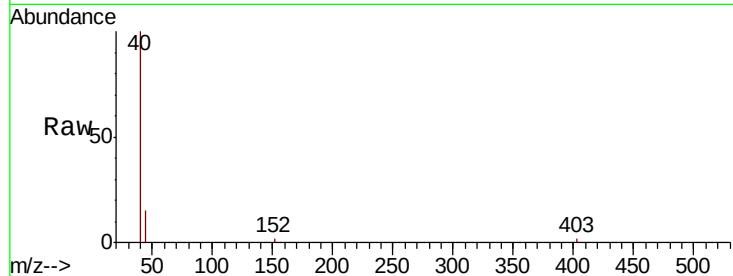


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.08 min
Lab File: BG041232.D
Acq: 13 Jun 2019 15:17

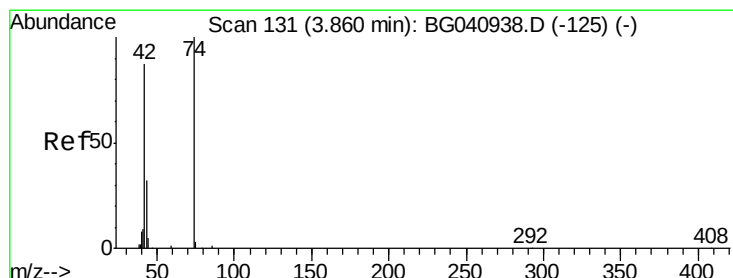
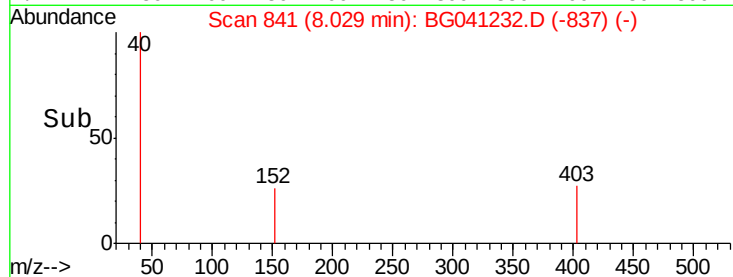
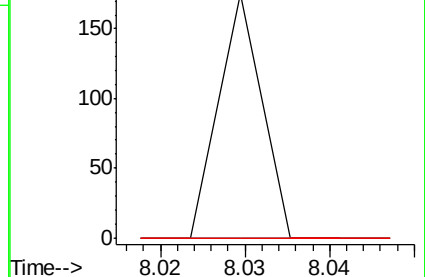
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	0.0	120.6	180.8#
115	0.0	45.1	67.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

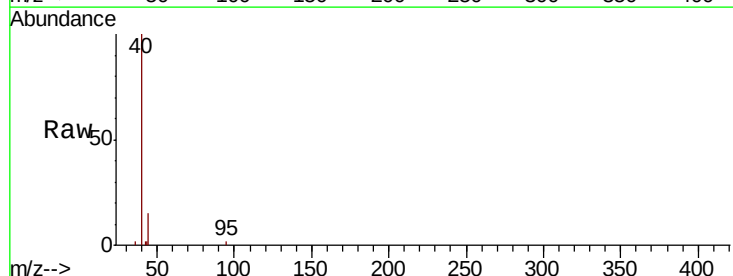
8.03



#4

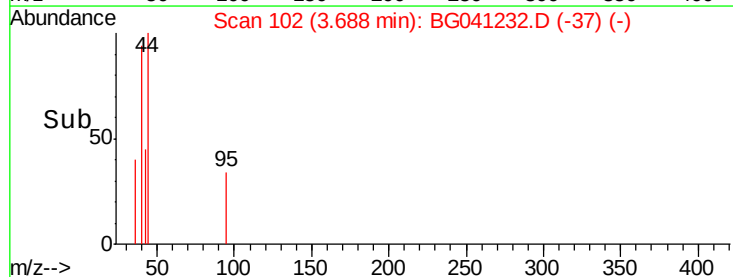
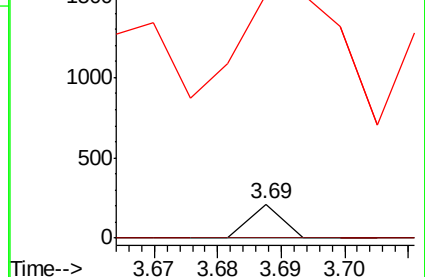
n-Nitrosodimethylamine
Concen: 34.537 ng
RT: 3.69 min Scan# 102
Delta R.T. -0.15 min
Lab File: BG041232.D
Acq: 13 Jun 2019 15:17

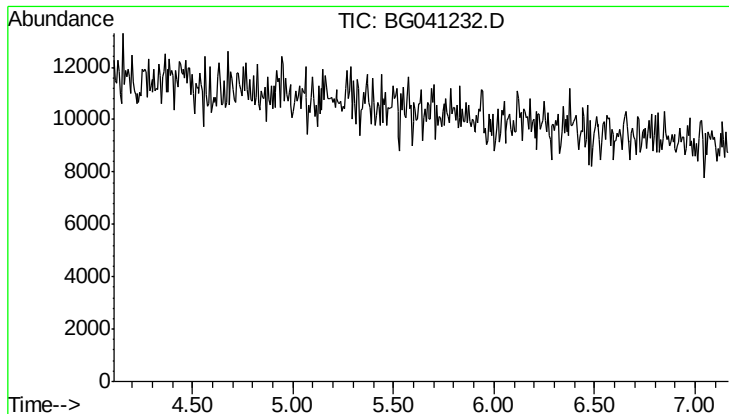
Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	91.8	137.6#
44	718.5	6.0	9.0#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC

3.69

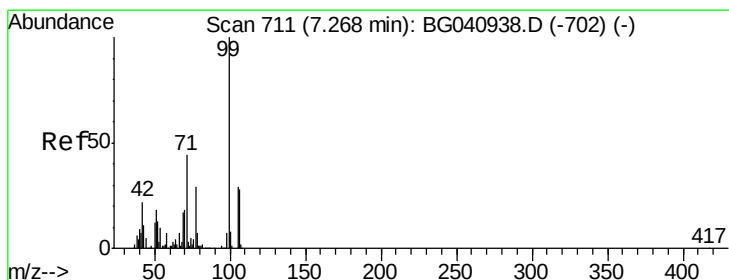
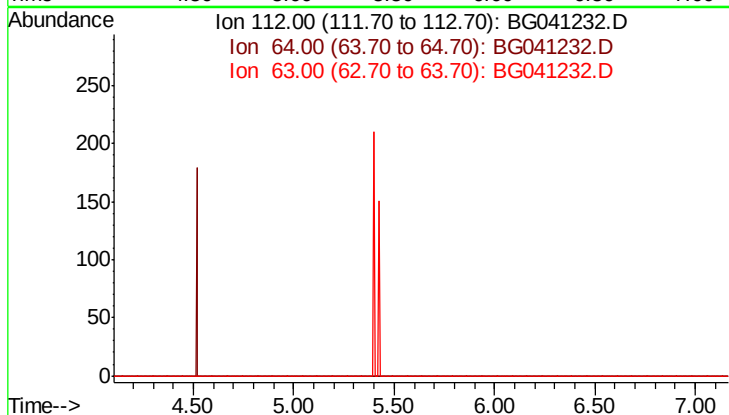




#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.64 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

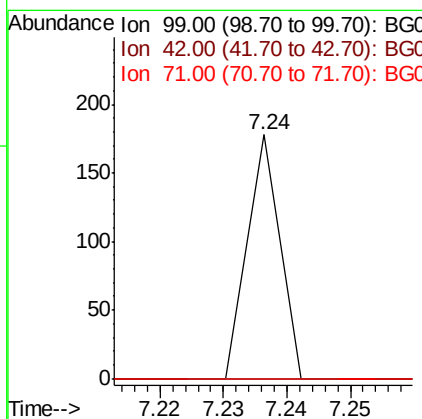
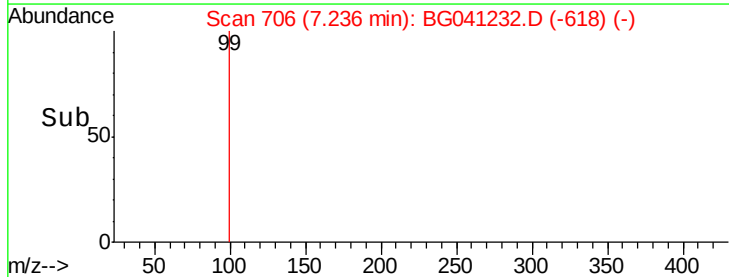
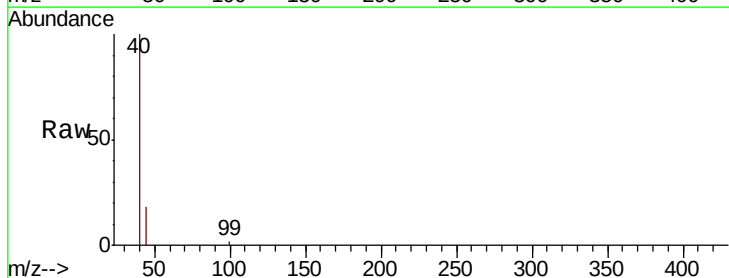
Instrument :
 BNA_G
 ClientSampleId :

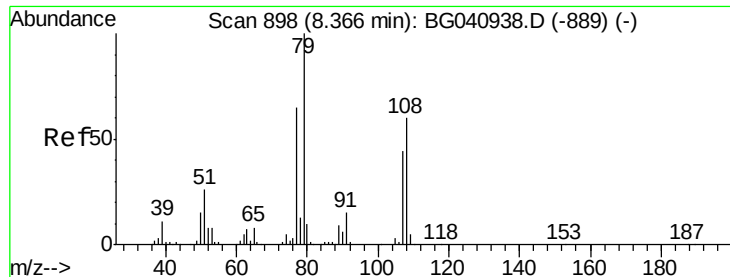
Tot Ion: 112
 Sig Exp Ratio
 112 100
 64 70.2
 63 41.0



#7
 Phenol-d6
 Concen: 11.864 ng
 RT: 7.24 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

Tgt Ion: 99 Resp: 63
 Ion Ratio Lower Upper
 99 100
 42 0.0 17.9 26.9#
 71 0.0 35.4 53.0#





#15

Benzyl Alcohol

Concen: 10.790 ng

RT: 8.20 min Scan# 870

Delta R.T. -0.14 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

Instrument :

BNA_G

ClientSampleId :

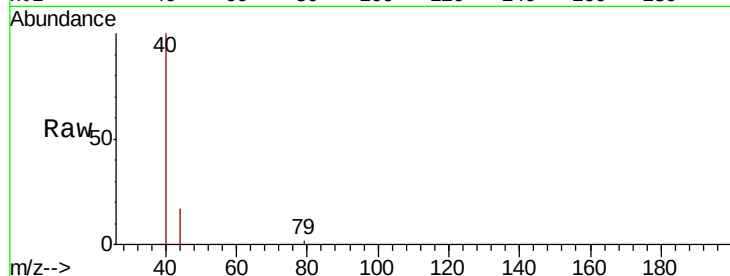
Tot Ion: 79 Resp: 53

Ion Ratio Lower Upper

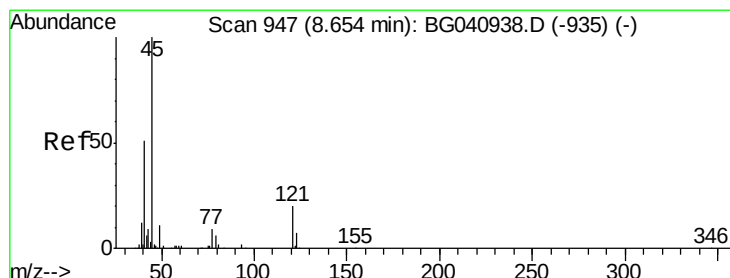
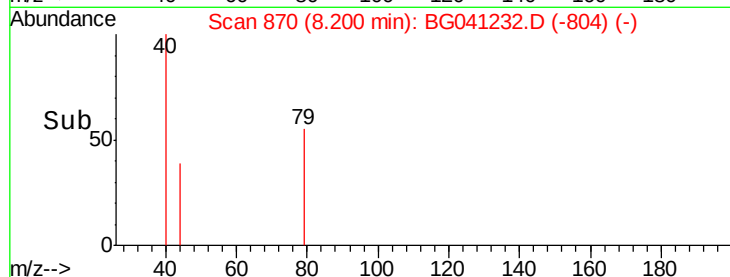
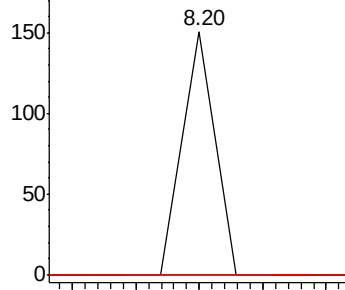
79 100

108 0.0 48.3 72.5#

77 0.0 52.3 78.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.038 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.14 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

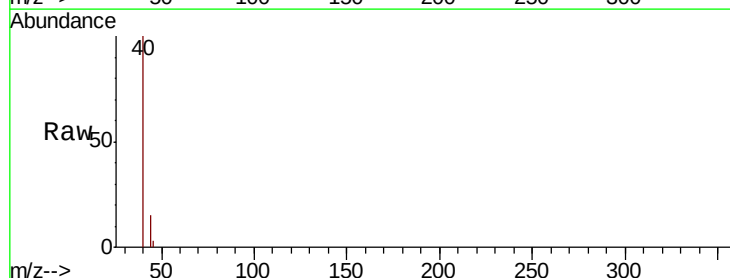
Tgt Ion: 45 Resp: 61

Ion Ratio Lower Upper

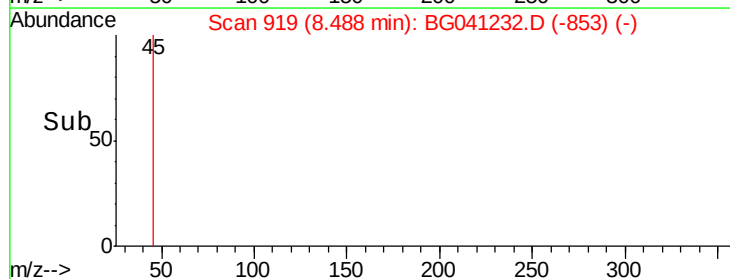
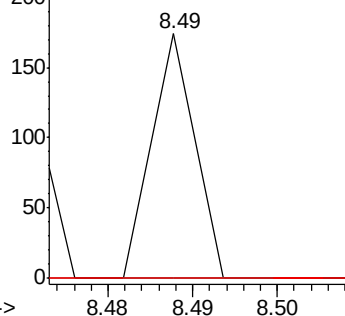
45 100

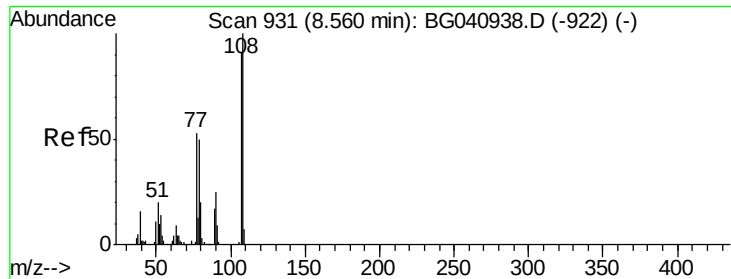
77 0.0 0.0 33.7

79 0.0 0.0 30.2



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

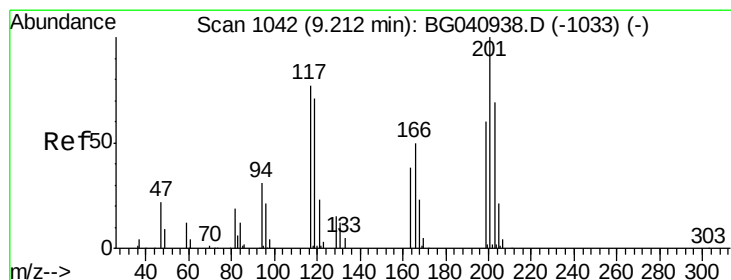
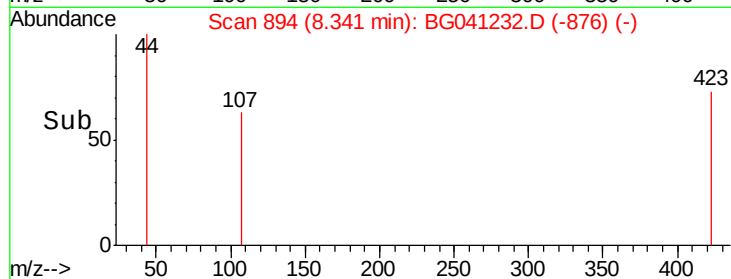
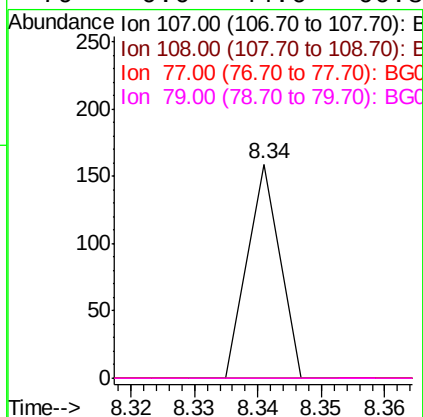
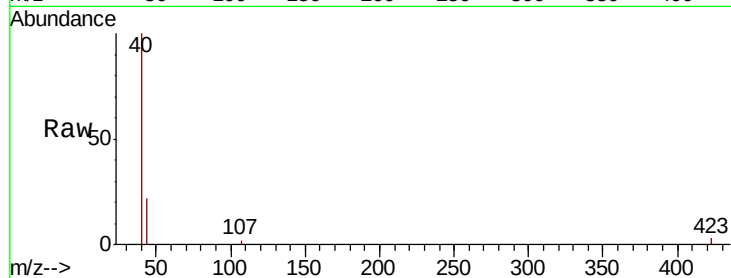




#17
2-Methylphenol
Concen: 13.584 ng
RT: 8.34 min Scan# 894
Delta R.T. -0.19 min
Lab File: BG041232.D
Acq: 13 Jun 2019 15:17

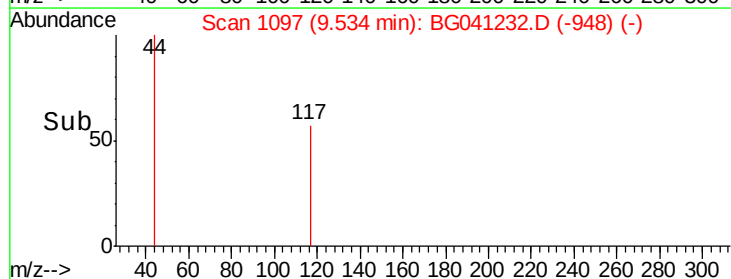
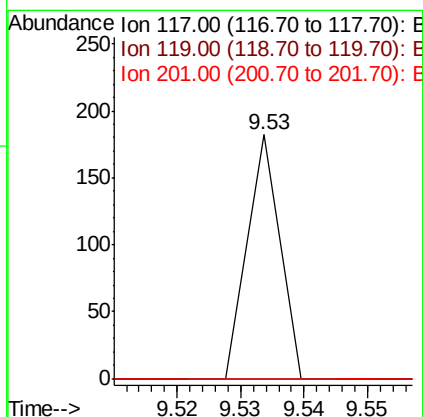
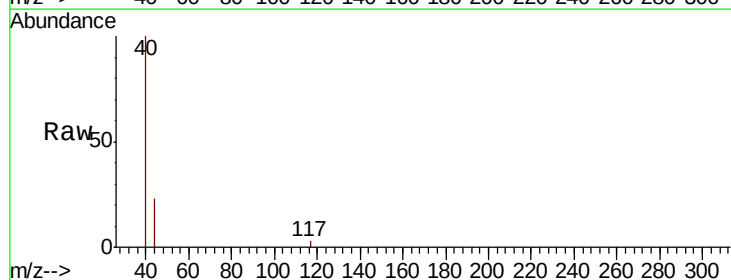
Instrument :
BNA_G
ClientSampled :

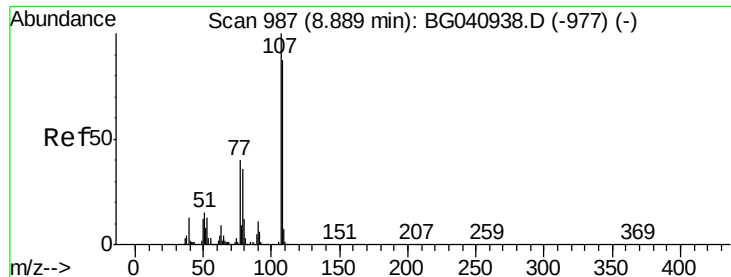
Tot Ion	Ratio	Lower	Upper
107	100		
108	0.0	87.7	131.5#
77	0.0	46.6	70.0#
79	0.0	44.6	66.8#



#18
Hexachloroethane
Concen: 33.508 ng
RT: 9.53 min Scan# 1097
Delta R.T. 0.35 min
Lab File: BG041232.D
Acq: 13 Jun 2019 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.0	112.6#
201	0.0	103.5	155.3#





#20

3+4-Methylphenols

Concen: 9.807 ng

RT: 8.34 min Scan# 894

Delta R.T. -0.53 min

Lab File: BG041232.D

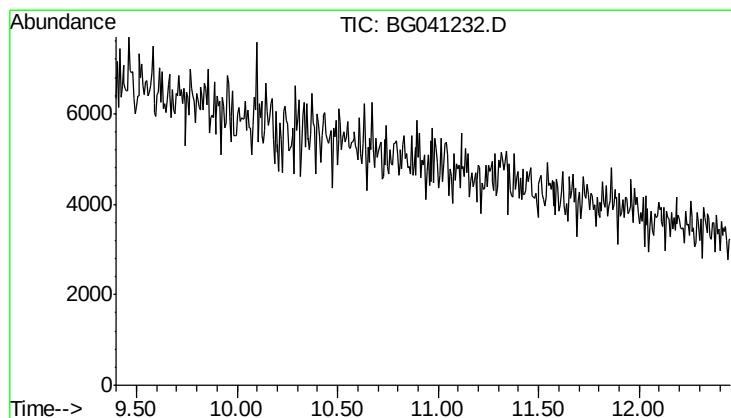
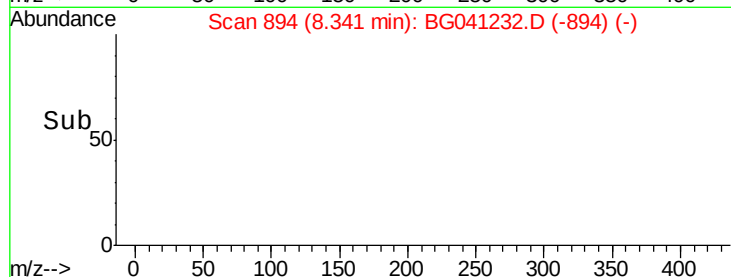
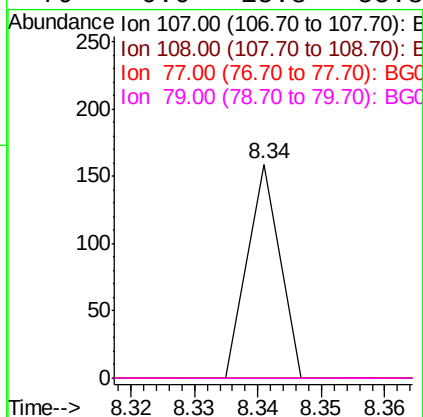
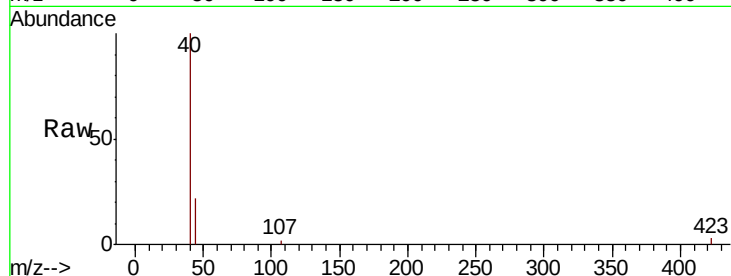
Acq: 13 Jun 2019 15:17

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	107	Resp:	56
Ion	Ratio	Lower	Upper
107	100		
108	0.0	66.8	106.8#
77	0.0	20.5	60.5#
79	0.0	15.8	55.8#



#21

Naphthalene-d8

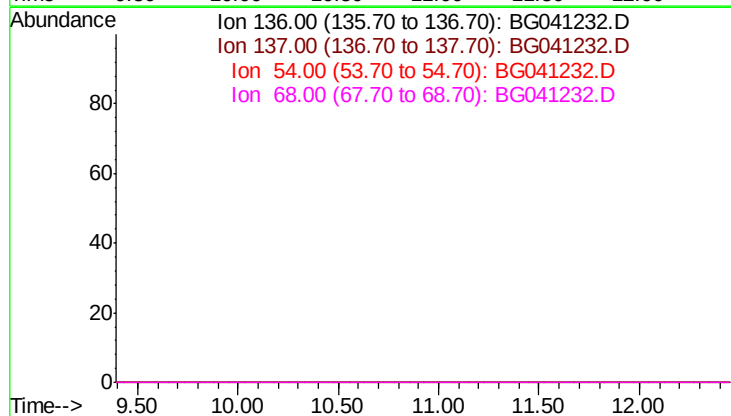
Concen: 0.000 ng

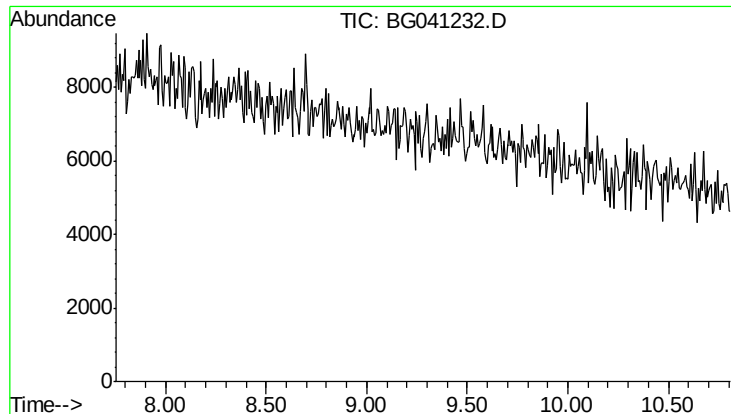
Expected RT: 10.93 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

Tgt Ion:	136
Sig	Exp Ratio
136	100
137	11.9
54	9.5
68	4.9

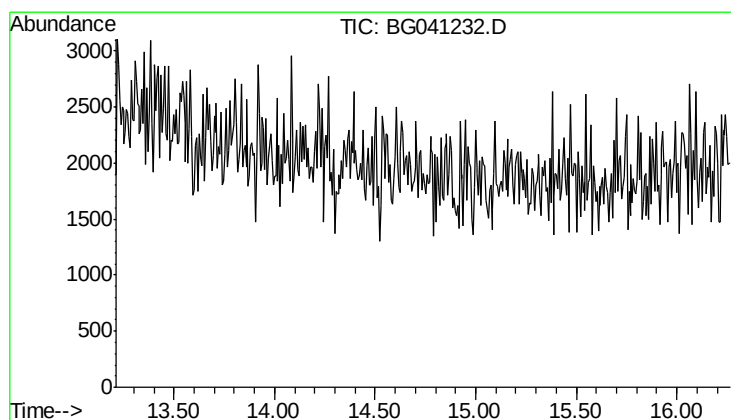
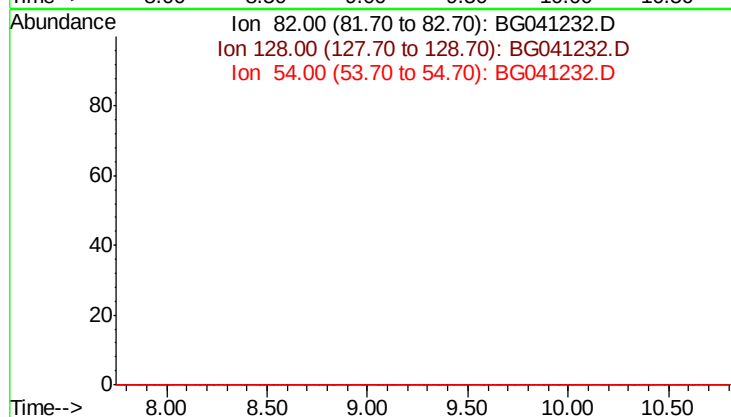




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.28 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

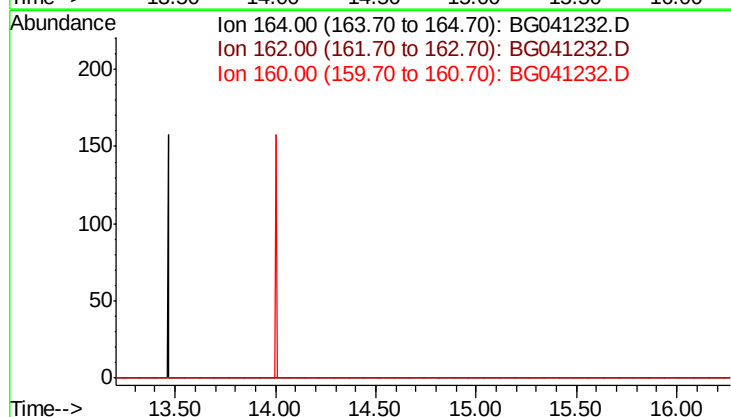
Instrument :
 BNA_G
 ClientSampleId :

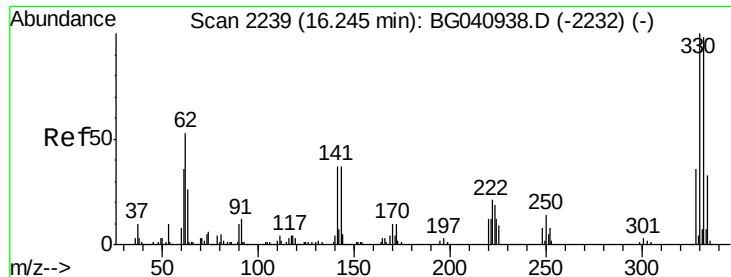
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 38.1
 54 55.7



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.74 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

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

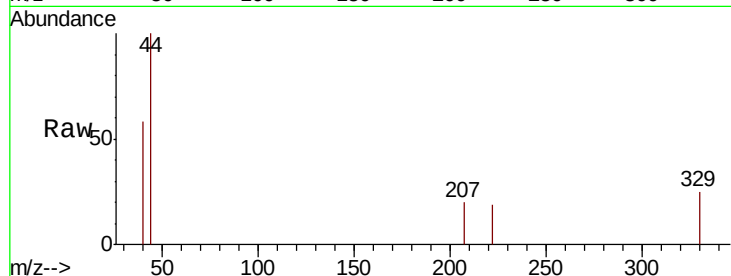




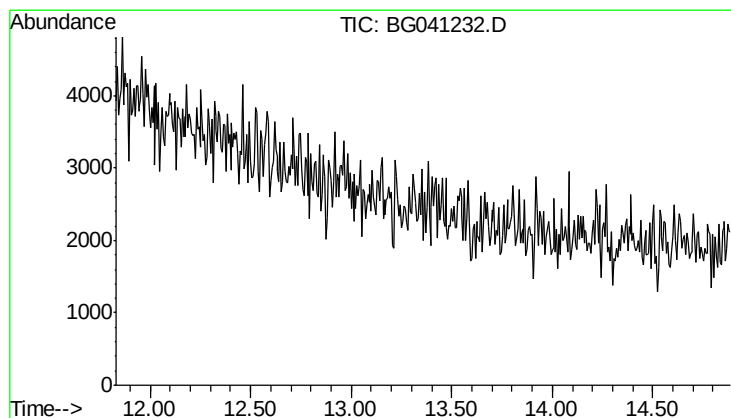
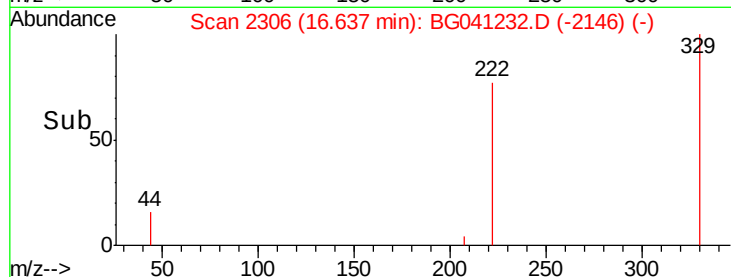
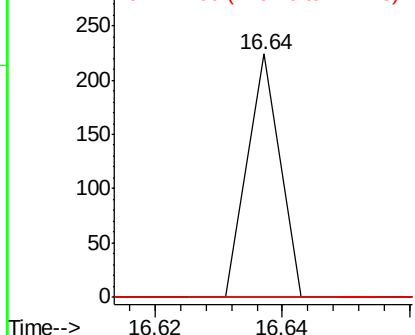
#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 16.64 min Scan# 2306
 Delta R.T. 0.41 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 79
 Ion Ratio Lower Upper
 330 100
 332 0.0 78.5 117.7#
 141 0.0 28.7 43.1#



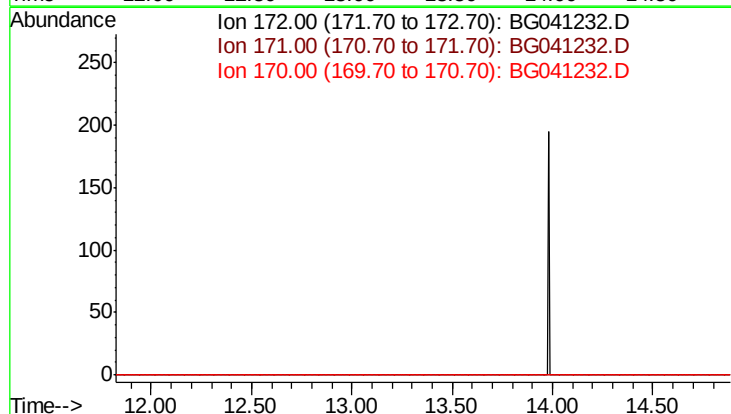
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

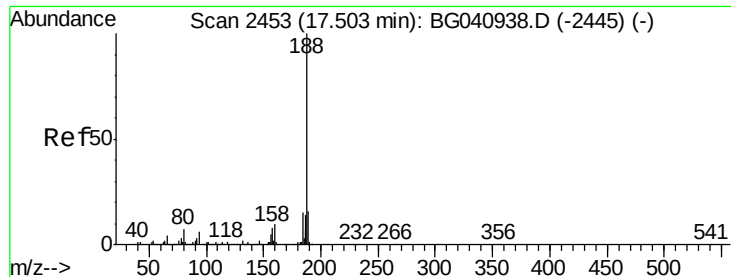


#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.36 min

Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 38.9
 170 25.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.85 min Scan# 2512

Delta R.T. 0.37 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

Instrument :

BNA_G

ClientSampled :

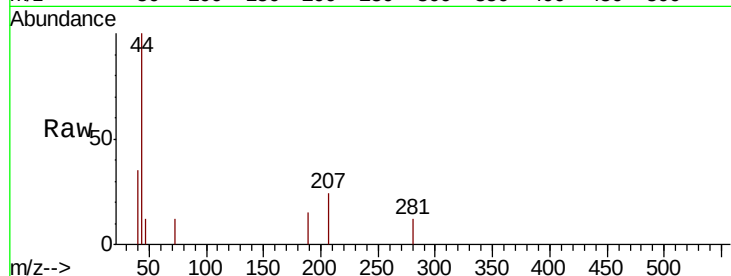
Tot Ion:188 Resp: 69

Ion Ratio Lower Upper

188 100

94 0.0 4.7 7.1#

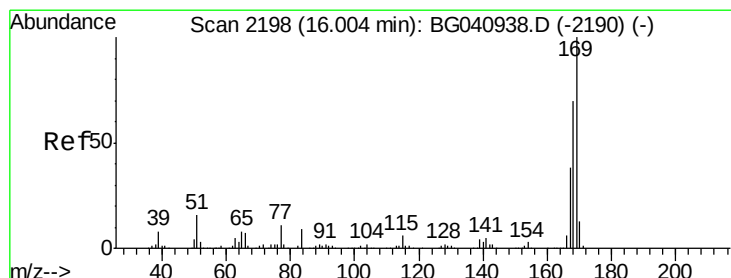
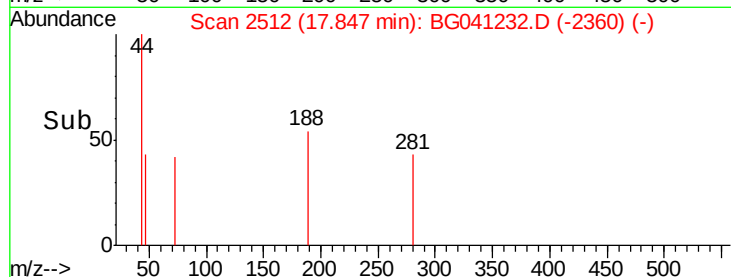
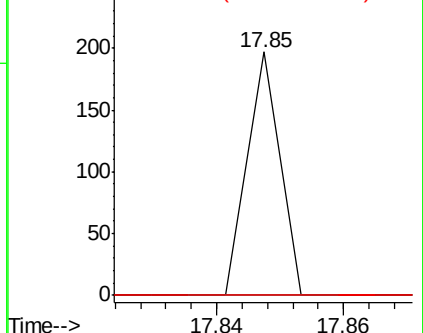
80 0.0 5.8 8.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

n-Nitrosodiphenylamine

Concen: 27.324 ng

RT: 16.33 min Scan# 2253

Delta R.T. 0.34 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

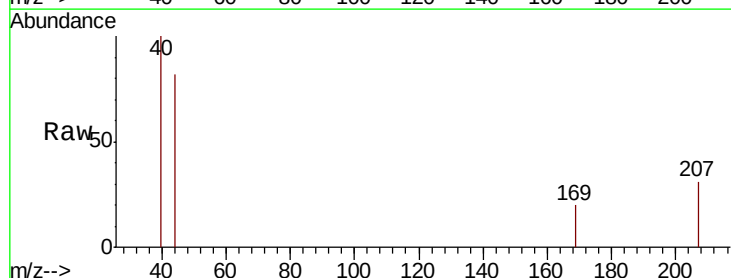
Tgt Ion:169 Resp: 53

Ion Ratio Lower Upper

169 100

168 100.0 55.7 83.5#

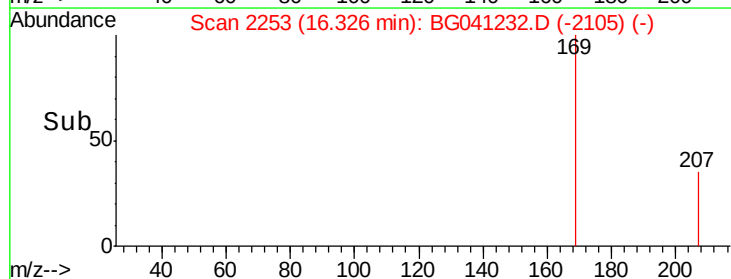
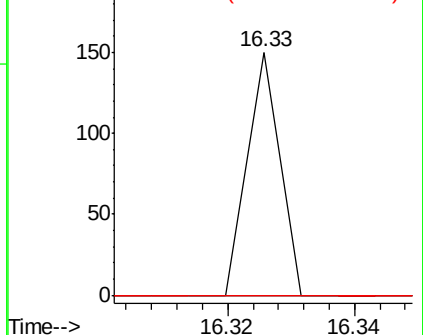
167 0.0 30.2 45.2#

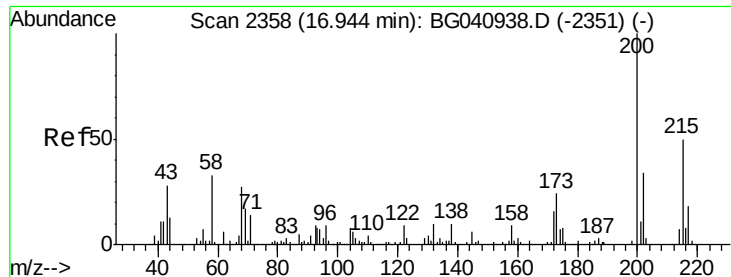


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Atrazine

Concen: 92.193 ng

RT: 16.75 min Scan# 2326

Delta R.T. -0.17 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

Instrument :

BNA_G

ClientSampled :

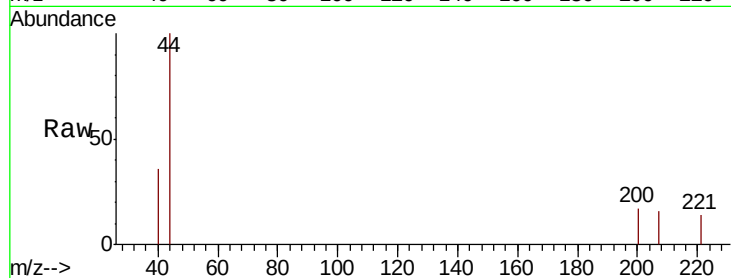
Tot Ion:200 Resp: 69

Ion Ratio Lower Upper

200 100

173 0.0 3.6 43.6#

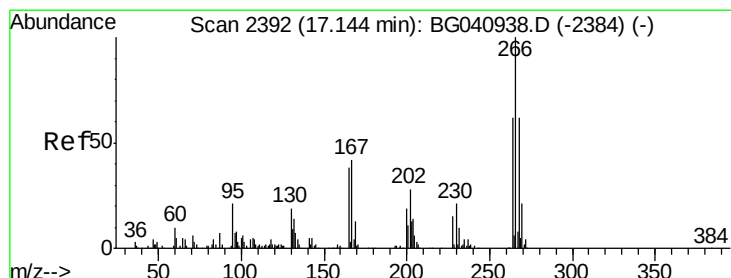
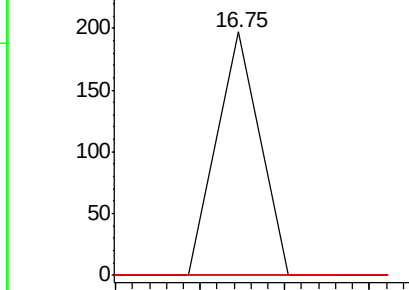
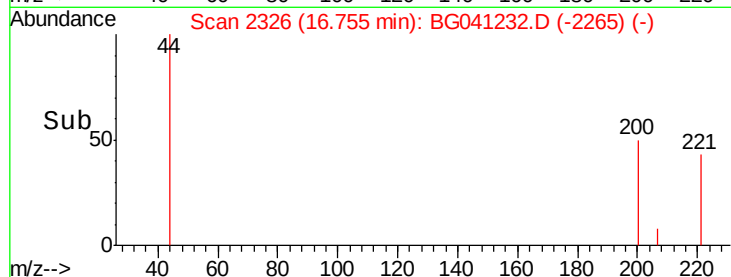
215 0.0 29.6 69.6#



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



#70

Pentachlorophenol

Concen: 111.203 ng

RT: 17.27 min Scan# 2413

Delta R.T. 0.14 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

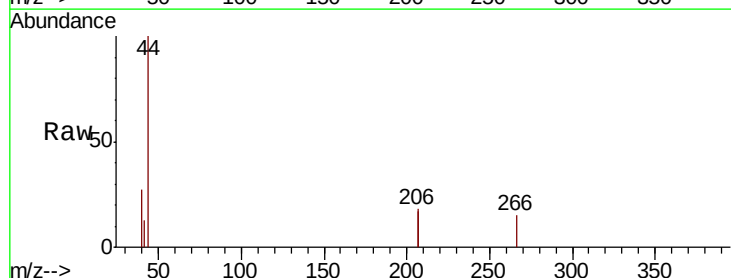
Tgt Ion:266 Resp: 60

Ion Ratio Lower Upper

266 100

268 0.0 53.1 79.7#

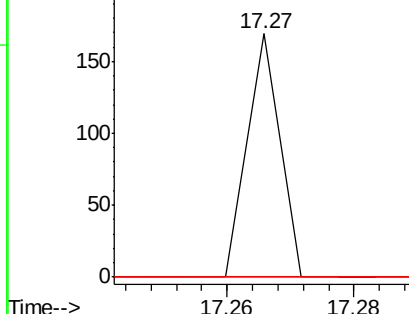
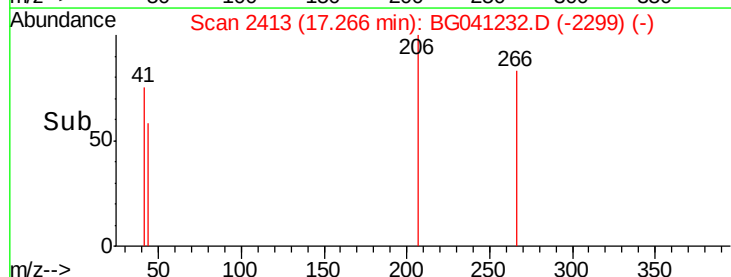
264 0.0 49.9 74.9#

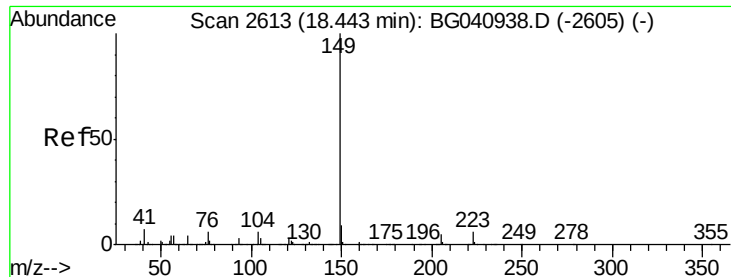


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#74

Di-n-butylphthalate

Concen: 14.285 ng

RT: 19.15 min Scan# 2734

Delta R.T. 0.74 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

Instrument :

BNA_G

ClientSampleId :

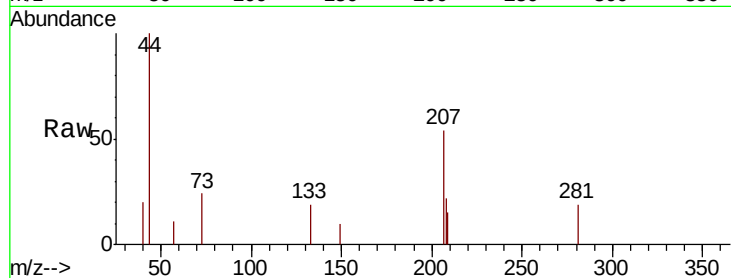
Tot Ion:149 Resp: 54

Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.2#

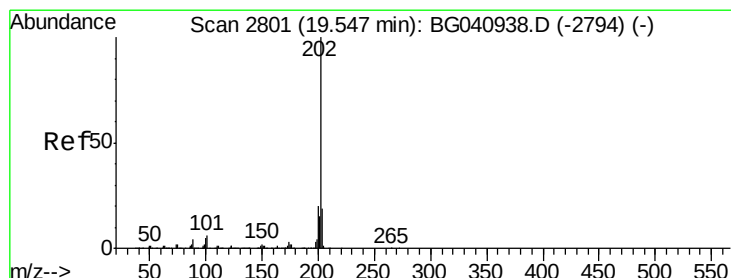
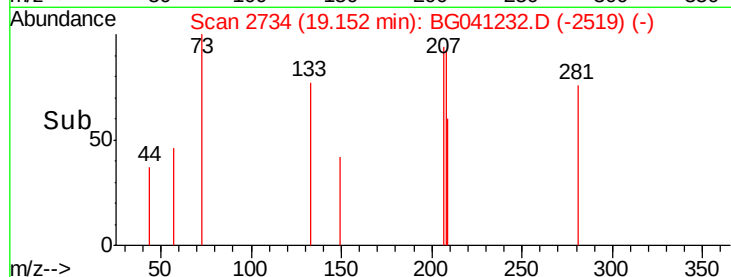
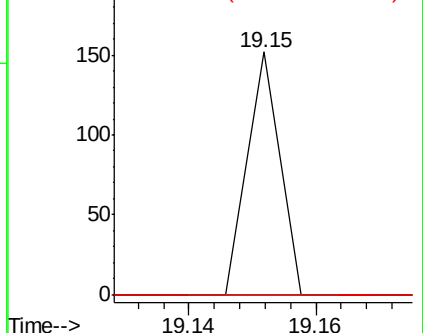
104 0.0 5.0 7.4#



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



#75

Fluoranthene

Concen: 45.728 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

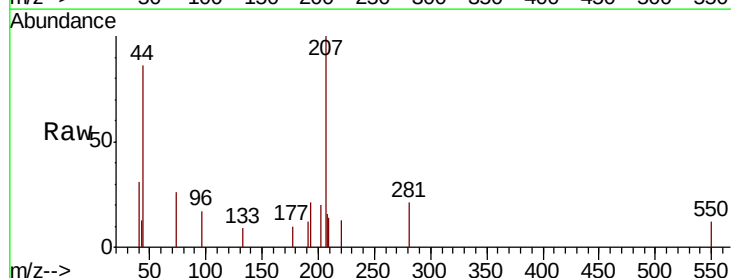
Tgt Ion:202 Resp: 203

Ion Ratio Lower Upper

202 100

101 0.0 0.0 26.2

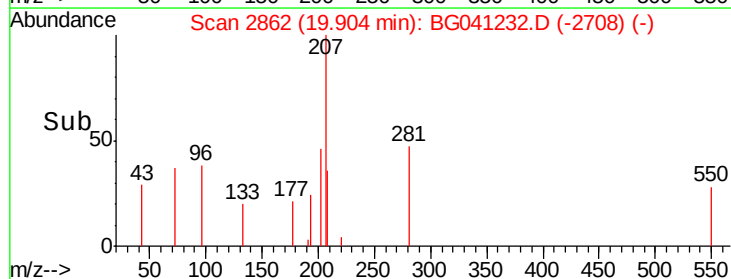
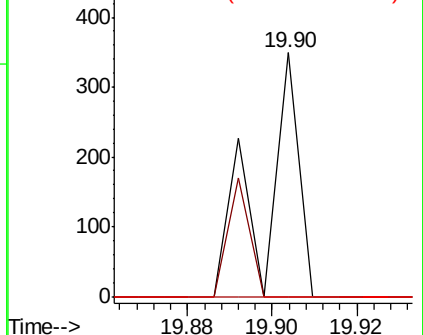
203 0.0 0.0 38.7

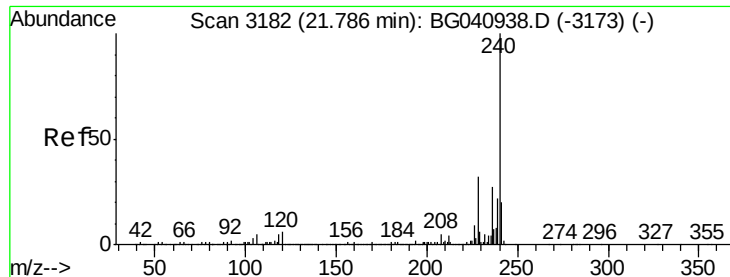


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.35 min Scan# 3279

Delta R.T. 0.59 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

Instrument :

BNA_G

ClientSampled :

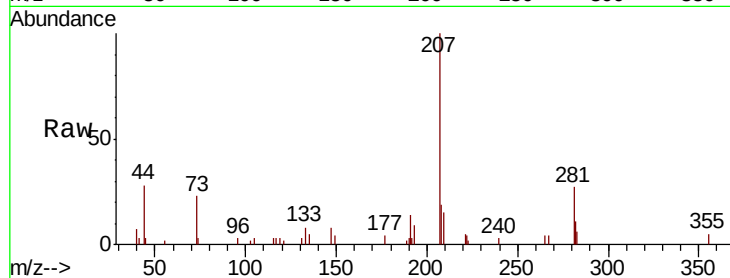
Tot Ion:240 Resp: 65

Ion Ratio Lower Upper

240 100

120 0.0 4.5 6.7#

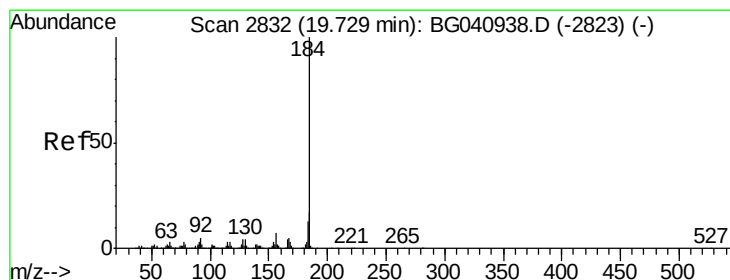
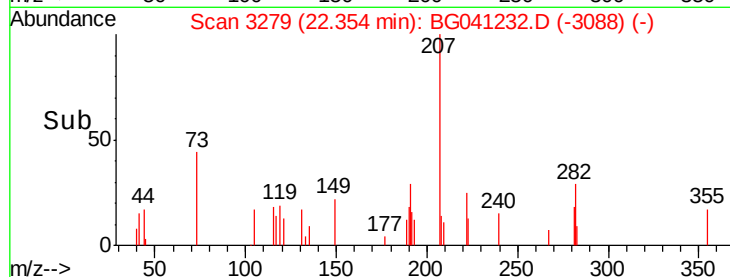
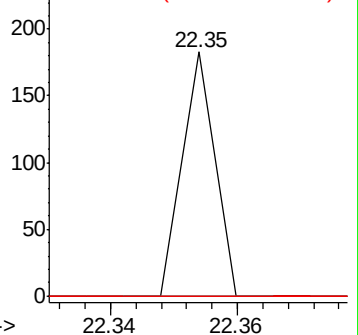
236 0.0 21.3 31.9#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 34.825 ng

RT: 20.16 min Scan# 2906

Delta R.T. 0.45 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

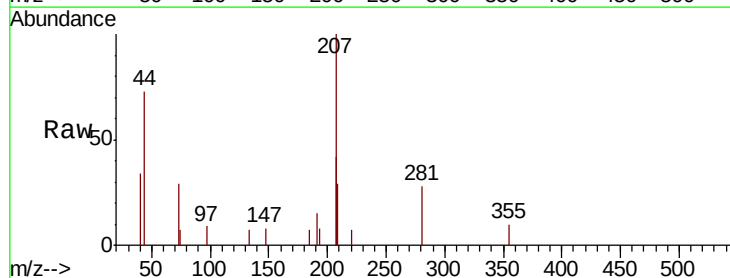
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

185 0.0 13.3 19.9#

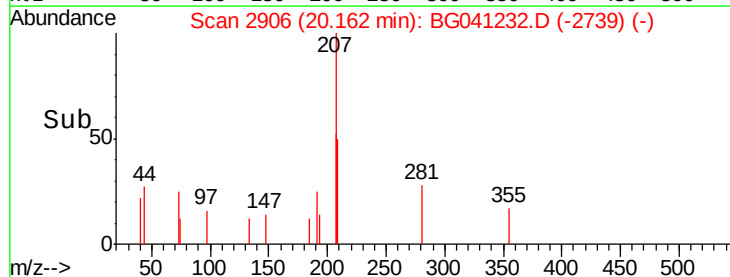
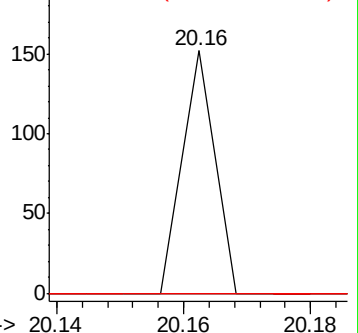
183 0.0 10.7 16.1#

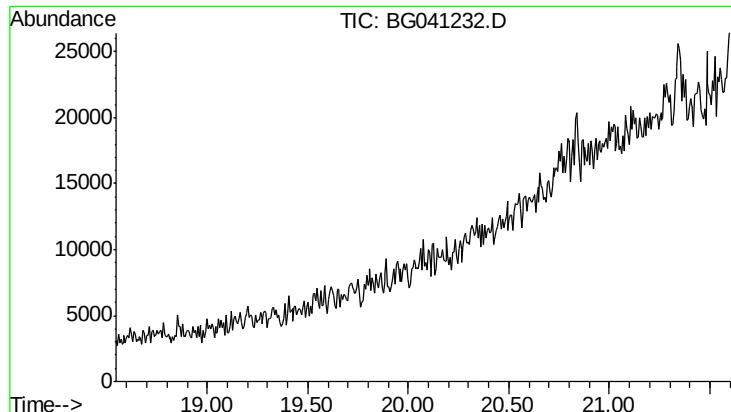


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

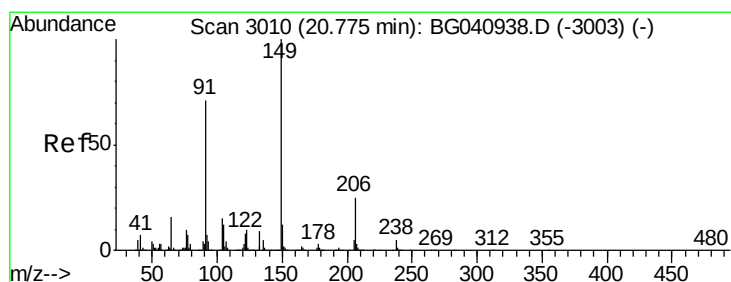
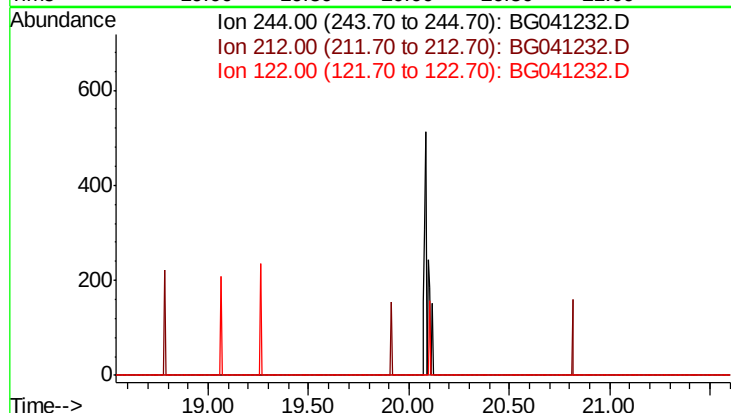




#79
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 20.07 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

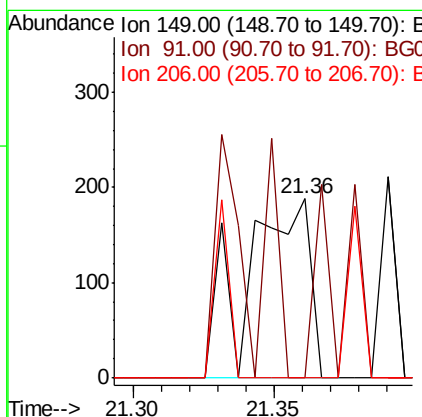
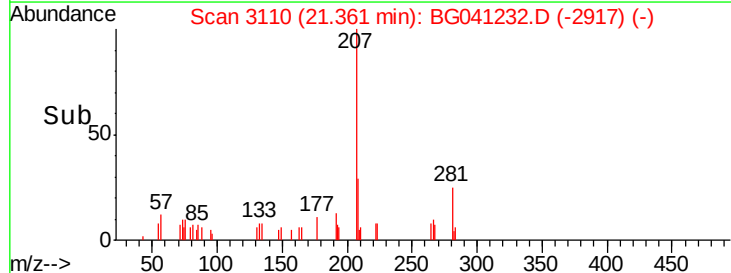
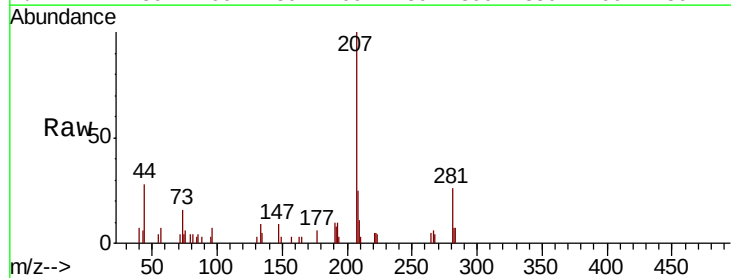
Instrument :
 BNA_G
 ClientSampleId :

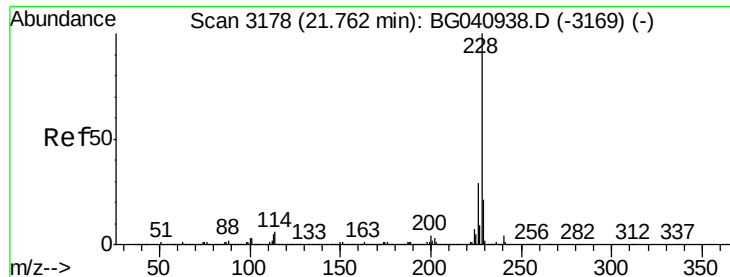
Tot Ion: 244
 Sig Exp Ratio
 244 100
 212 8.7
 122 6.7



#80
 Butylbenzylphthalate
 Concen: 176.969 ng
 RT: 21.36 min Scan# 3110
 Delta R.T. 0.61 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

Tgt Ion: 149 Resp: 291
 Ion Ratio Lower Upper
 149 100
 91 0.0 56.5 84.7#
 206 0.0 20.3 30.5#

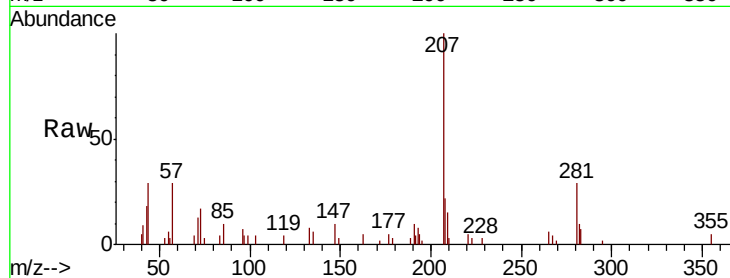




#81
Benzo(a)anthracene
Concen: 14.329 ng
RT: 22.50 min Scan# 3304
Delta R.T. 0.76 min
Lab File: BG041232.D
Acq: 13 Jun 2019 15:17

Instrument :
BNA_G
ClientSampleId :

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



Abundance

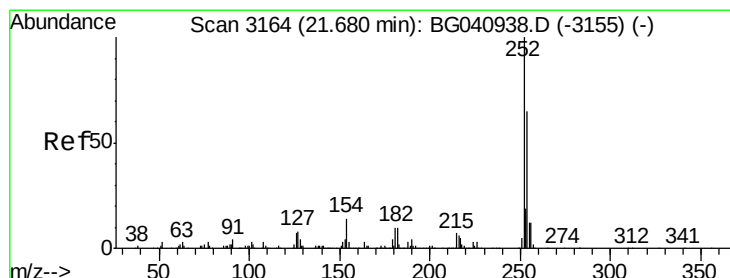
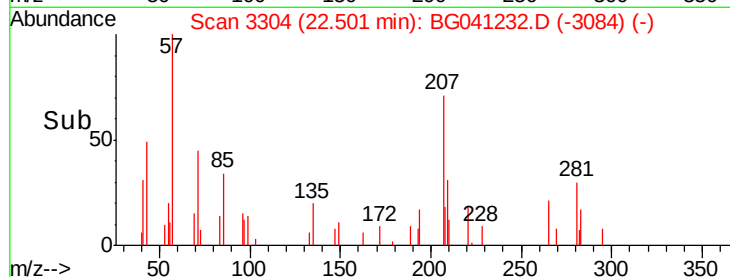
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

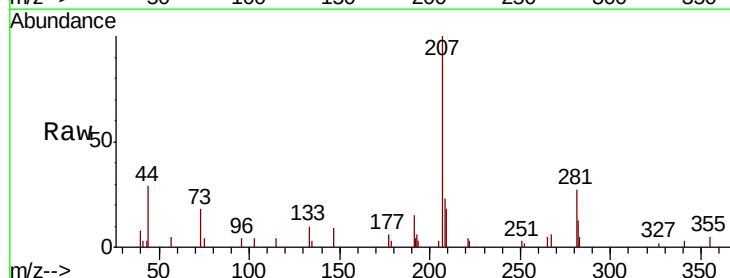
22.50

Time--> 22.48 22.50 22.52



#82
3,3'-Dichlorobenzidine
Concen: 34.826 ng
RT: 22.31 min Scan# 3271
Delta R.T. 0.65 min
Lab File: BG041232.D
Acq: 13 Jun 2019 15:17

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



Abundance

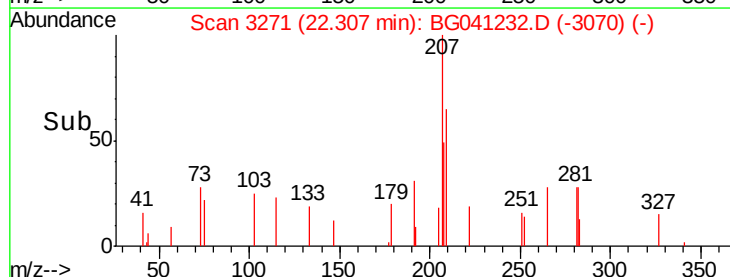
Ion 252.00 (251.70 to 252.70): E

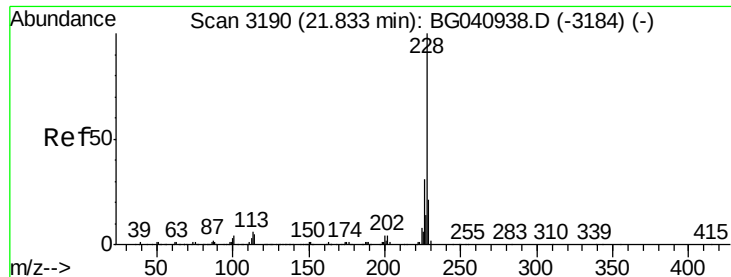
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

22.31

Time--> 22.30 22.32

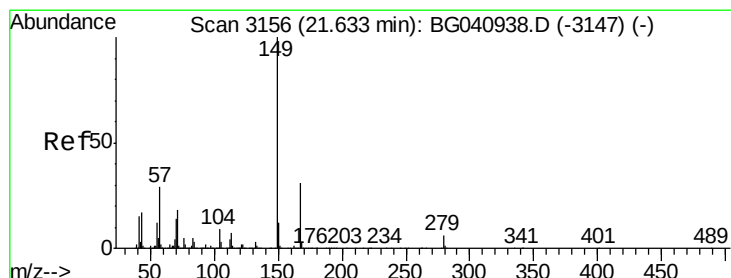
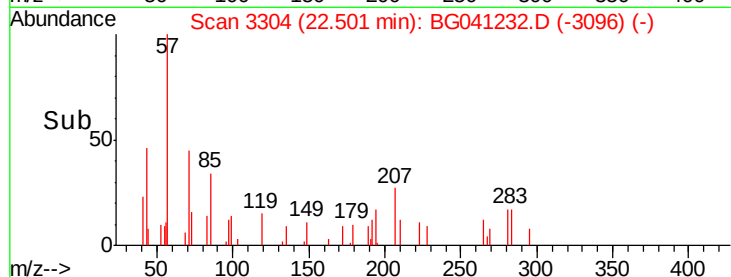
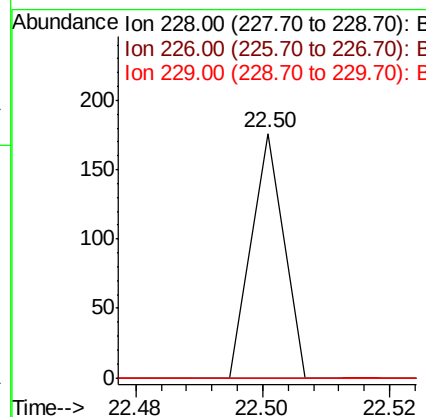
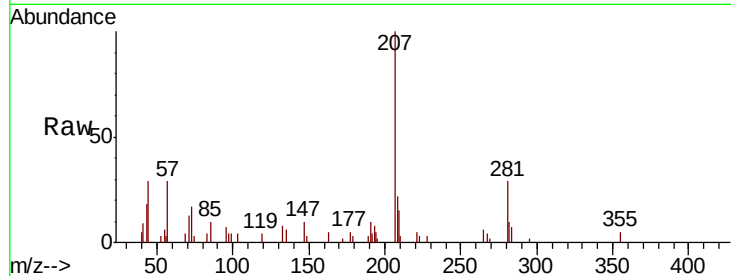




#83
 Chrysene
 Concen: 14.974 ng
 RT: 22.50 min Scan# 3304
 Delta R.T. 0.69 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

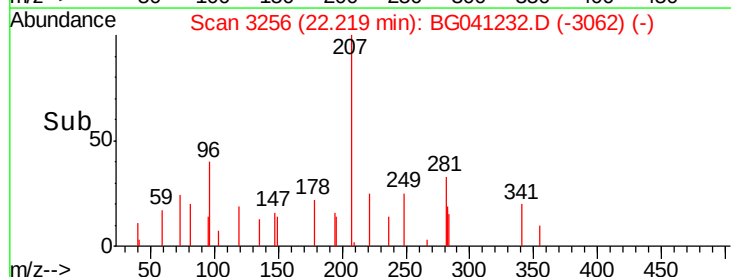
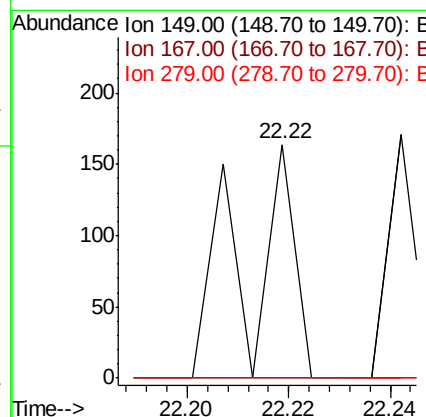
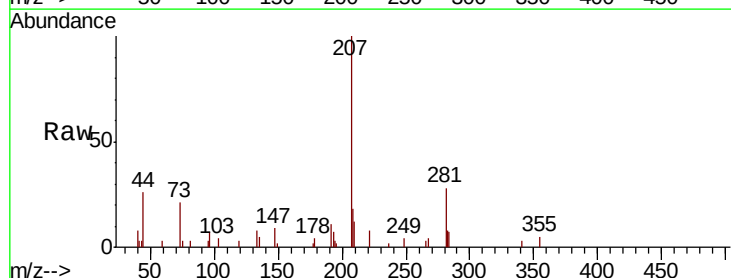
Instrument :
 BNA_G
 ClientSampleId :

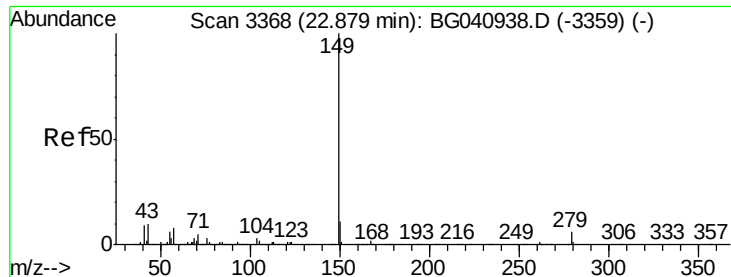
Tot Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.6	37.0#
229	0.0	16.6	24.8#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.953 ng
 RT: 22.22 min Scan# 3256
 Delta R.T. 0.61 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	24.6	37.0#
279	0.0	5.0	7.6#





#85

Di-n-octyl phthalate

Concen: 18.417 ng

RT: 23.48 min Scan# 3470

Delta R.T. 0.63 min

Lab File: BG041232.D

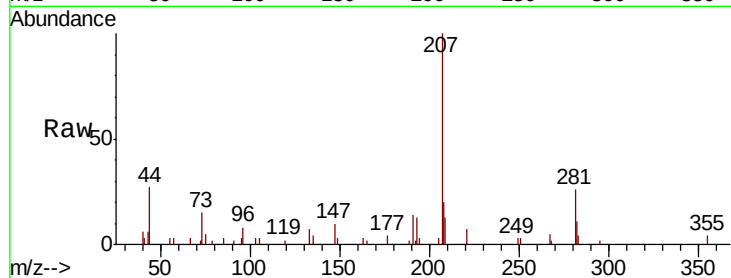
Acq: 13 Jun 2019 15:17

Instrument :

BNA_G

ClientSampleId :

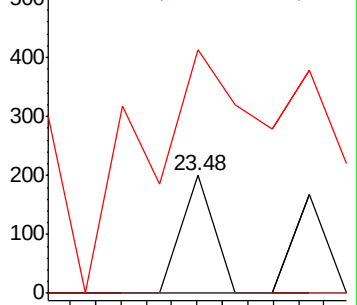
Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.4	2.0#
43	1049.3	8.1	12.1#



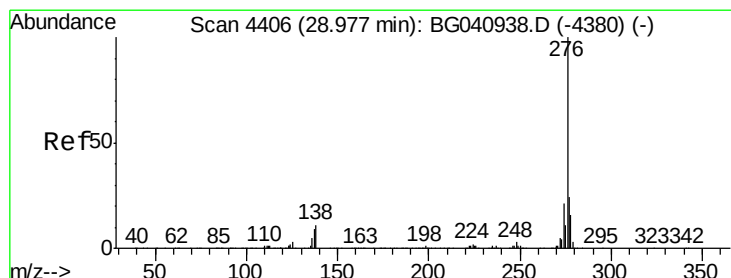
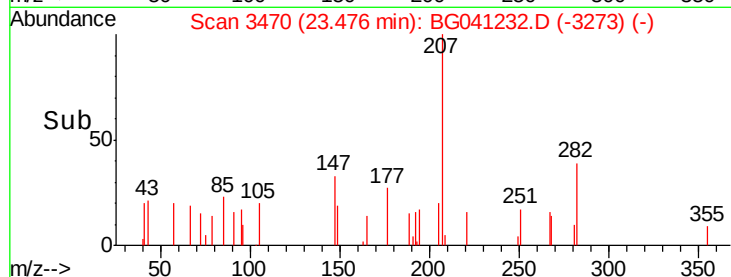
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG



Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 10.646 ng

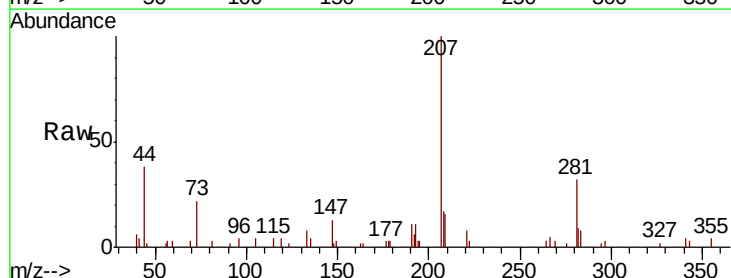
RT: 29.59 min Scan# 4511

Delta R.T. 0.69 min

Lab File: BG041232.D

Acq: 13 Jun 2019 15:17

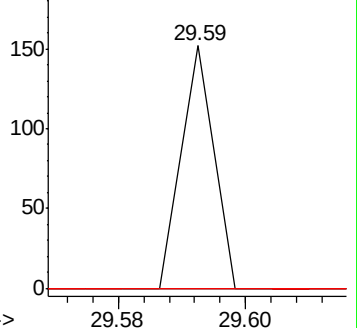
Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.7	8.5#
277	0.0	20.8	31.2#



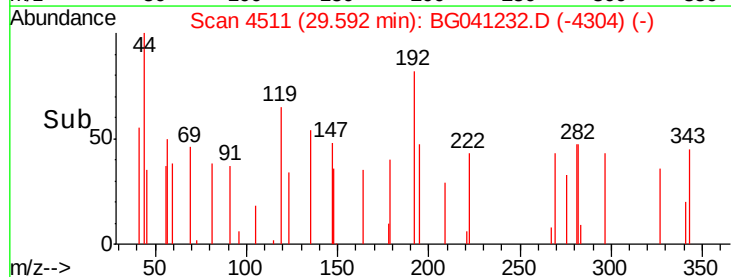
Abundance Ion 276.00 (275.70 to 276.70): E

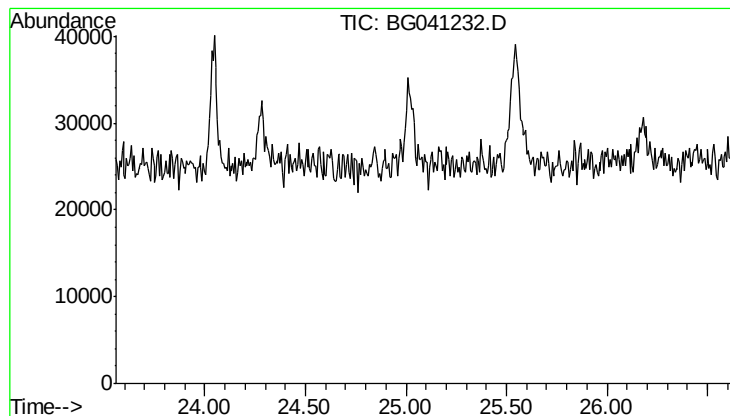
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#87
 Pervlene-d12
 Concen: 0.000 ng
 Expected RT: 25.09 min
 Lab File: BG041232.D
 Acq: 13 Jun 2019 15:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 264
Sig Exp Ratio
264 100
260 23.7
265 21.2

