

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062818\
 Data File : BG035494.D
 Acq On : 29 Jun 2018 1:27
 Operator : JU/SJ
 Sample : J3677-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WASTE-CHARACTERIZATION-COM

Quant Time: Jun 29 02:39:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

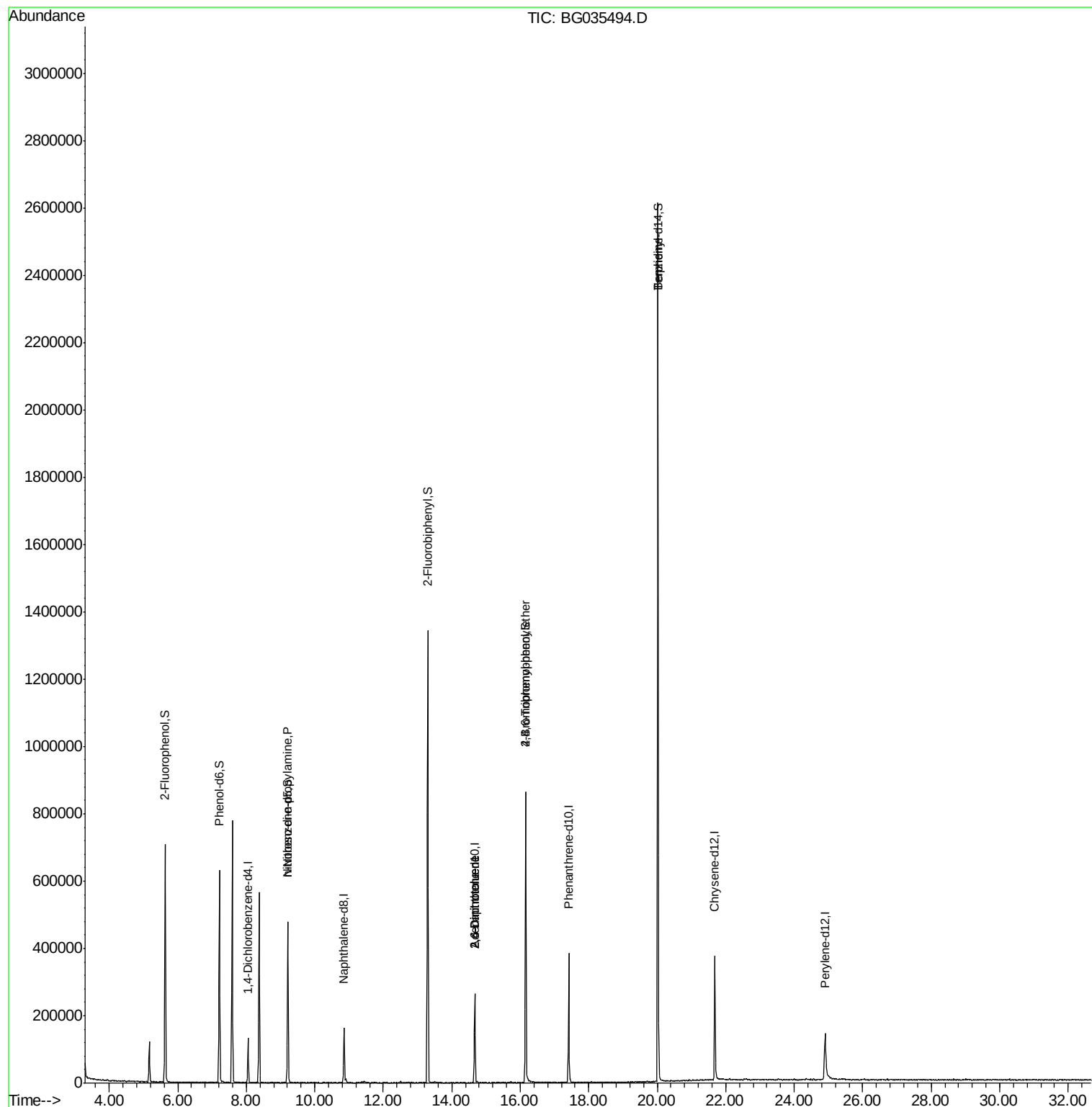
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	36122	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	132956	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	92873	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	240745	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	254898	20.00	ng	-0.04
86) Perylene-d12	24.90	264	208248	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	301941	141.07	ng	-0.01
7) Phenol-d6	7.22	99	395537	125.20	ng	0.00
23) Nitrobenzene-d5	9.21	82	324605	116.05	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	166718	140.23	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	729700	102.14	ng	-0.03
78) Terphenyl-d14	20.02	244	1300633	106.88	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	44436	16.556	ng	# 66
50) 2,6-Dinitrotoluene	14.67	165	12494	8.456	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	12494	6.366	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	13122	4.526	ng	# 1
76) Benzidine	20.02	184	20582	2.170	ng	# 88

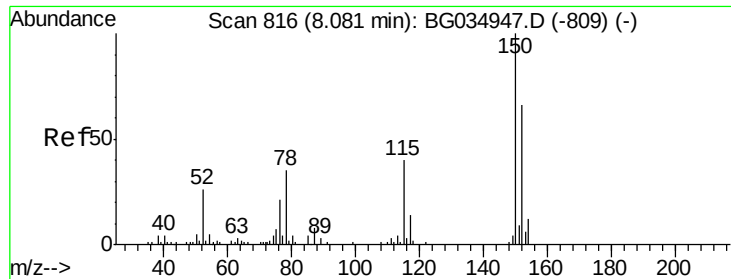
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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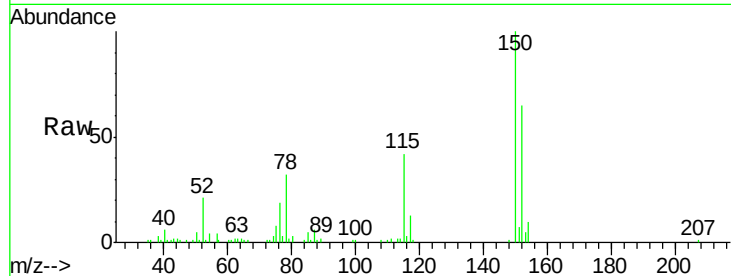


#1

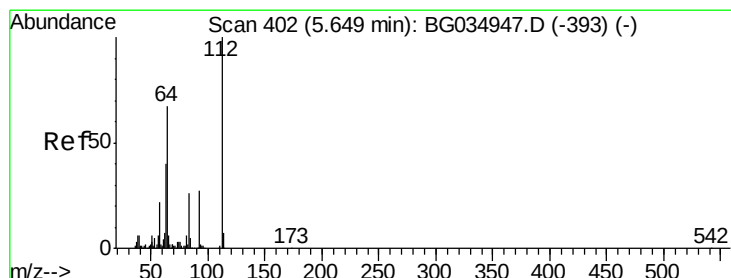
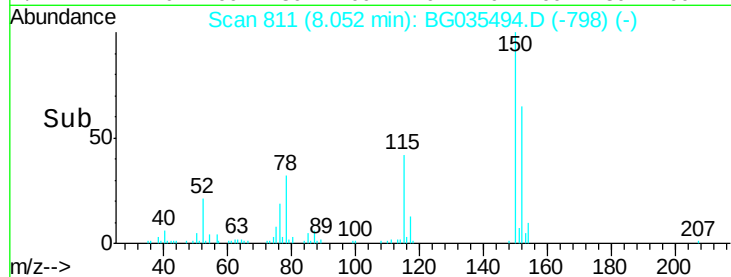
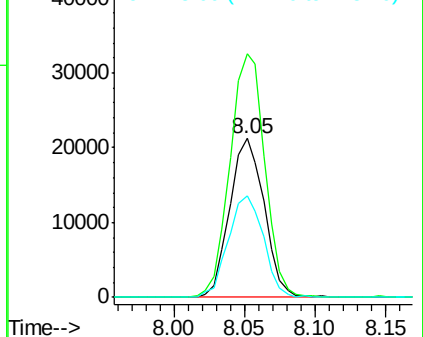
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035494.D
Acq: 29 Jun 2018 1:27

Instrument :
BNA_G
ClientSampleId :
WASTE-CHARACTERIZATION-COM

Tgt Ion:152 Resp: 36122
Ion Ratio Lower Upper
152 100
150 153.3 126.6 189.8
115 64.3 53.0 79.4



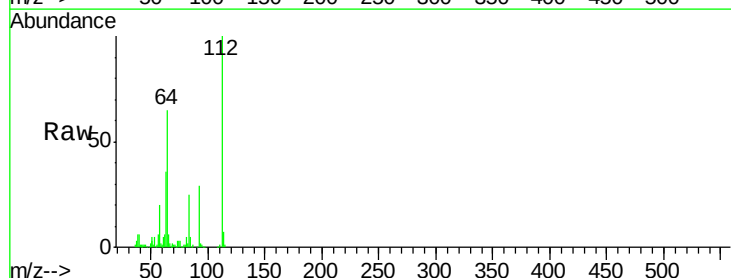
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



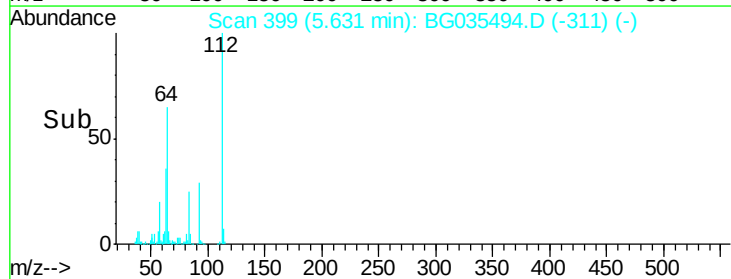
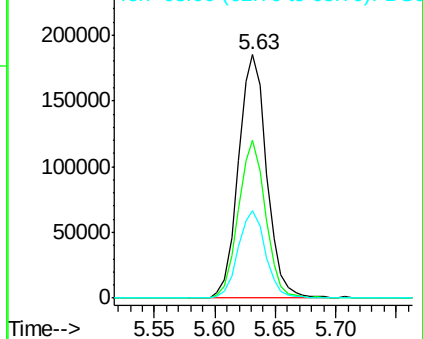
#5

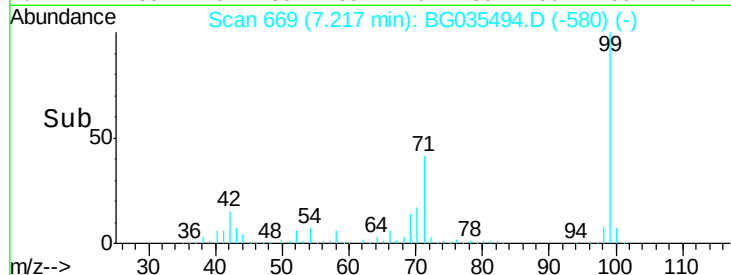
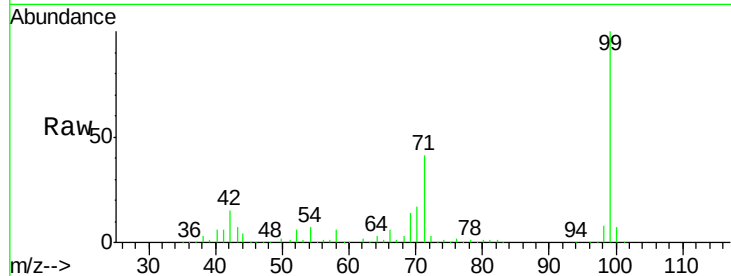
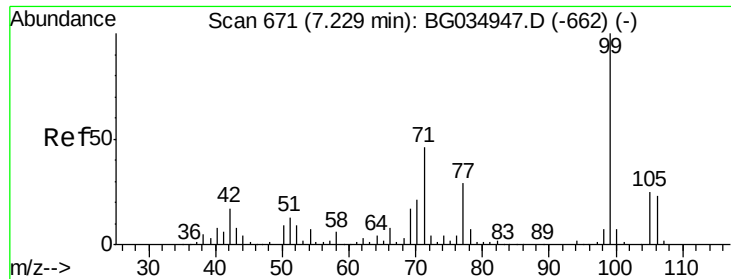
2-Fluorophenol
Concen: 141.066 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035494.D
Acq: 29 Jun 2018 1:27

Tgt Ion:112 Resp: 301941
Ion Ratio Lower Upper
112 100
64 65.0 56.3 84.5
63 35.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 125.204 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035494.D

Acq: 29 Jun 2018 1:27

Instrument :

BNA_G

ClientSampleId :

WASTE-CHARACTERIZATION-COM

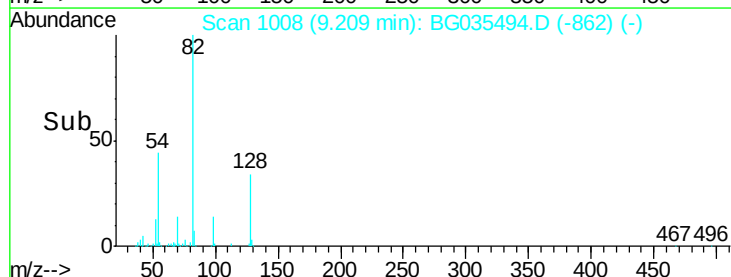
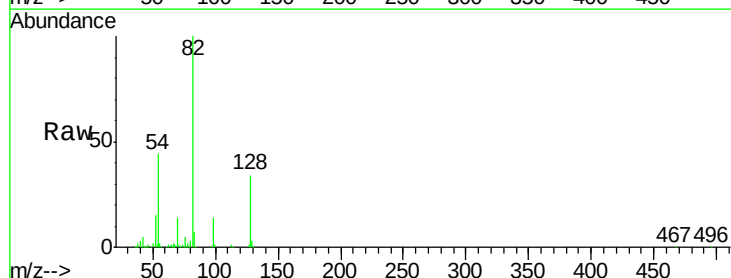
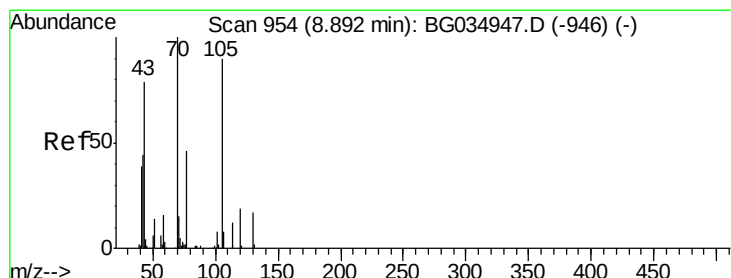
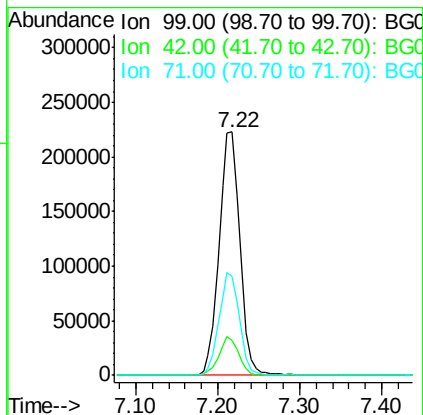
Tgt Ion: 99 Resp: 395537

Ion Ratio Lower Upper

99 100

42 14.5 14.1 21.1

71 40.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.556 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035494.D

Acq: 29 Jun 2018 1:27

Tgt Ion: 70 Resp: 44436

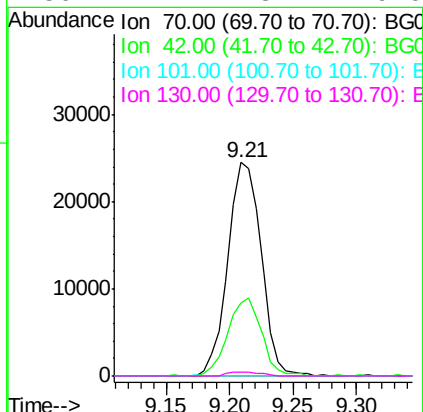
Ion Ratio Lower Upper

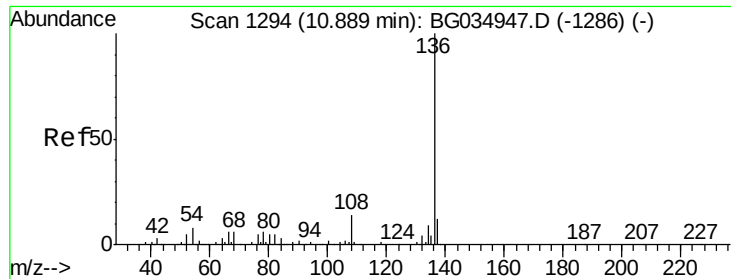
70 100

42 34.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

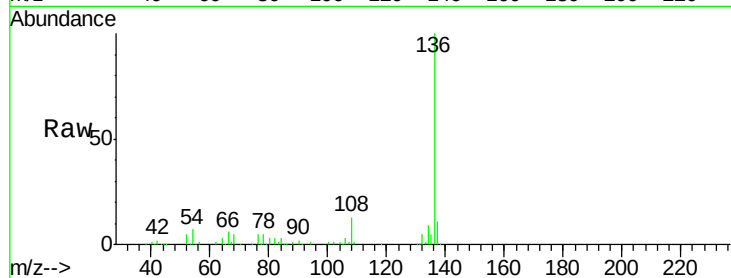




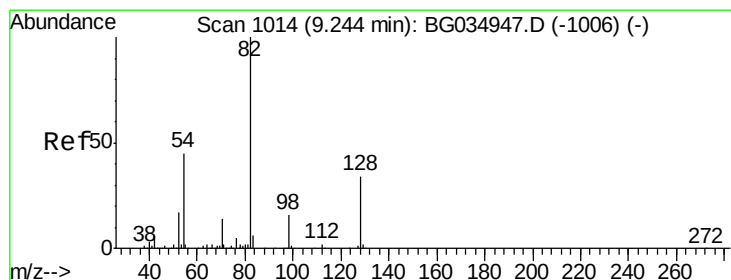
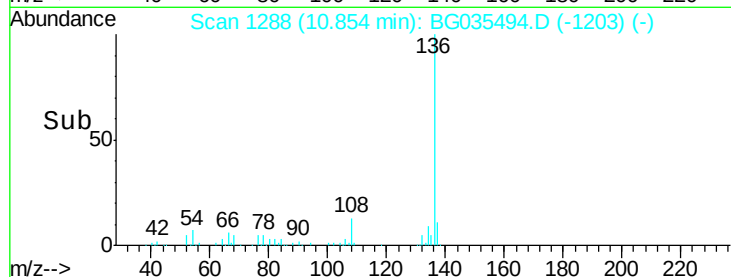
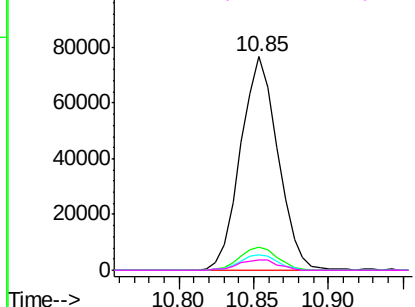
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035494.D
Acq: 29 Jun 2018 1:27

Instrument :
BNA_G
ClientSampleId :
WASTE-CHARACTERIZATION-COM

Tgt Ion:	136	Resp:	132956
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.2	10.3	15.5#
68	4.9	4.5	6.7

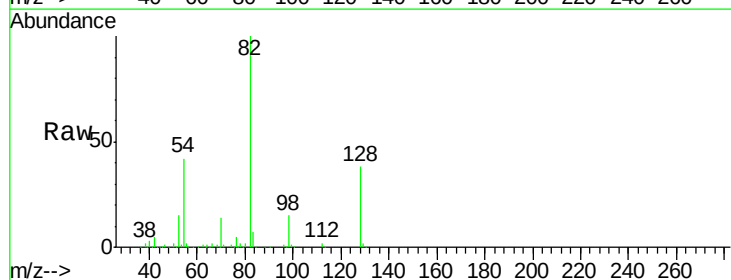


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

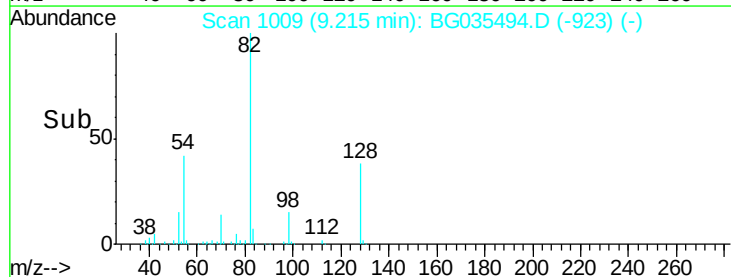
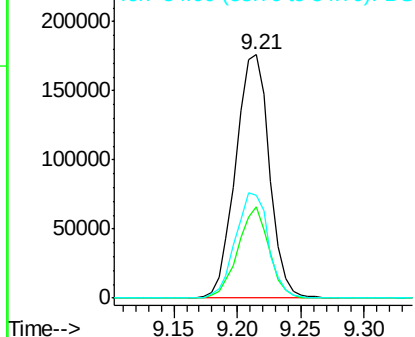


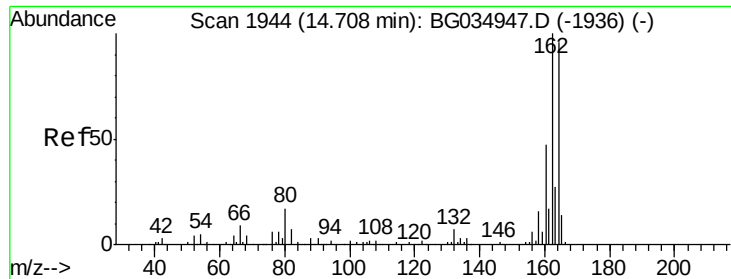
#23
Nitrobenzene-d5
Concen: 116.053 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035494.D
Acq: 29 Jun 2018 1:27

Tgt Ion:	82	Resp:	324605
Ion	Ratio	Lower	Upper
82	100		
128	37.6	29.7	44.5
54	42.3	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035494.D

Acq: 29 Jun 2018 1:27

Instrument :

BNA_G

ClientSampleId :

WASTE-CHARACTERIZATION-COM

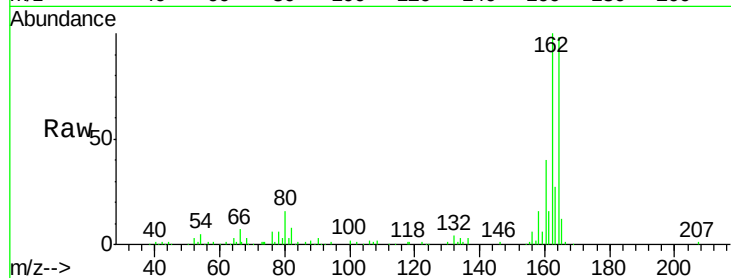
Tgt Ion:164 Resp: 92873

Ion Ratio Lower Upper

164 100

162 101.6 78.8 118.2

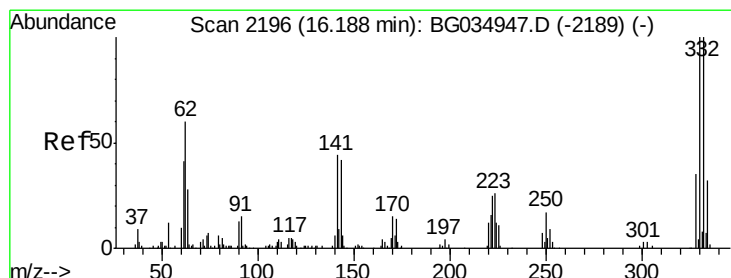
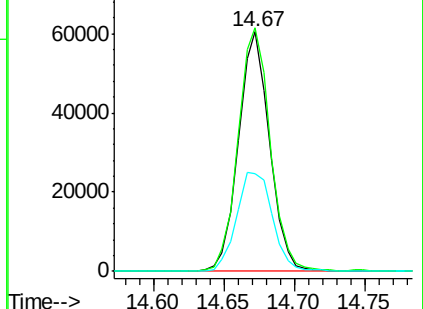
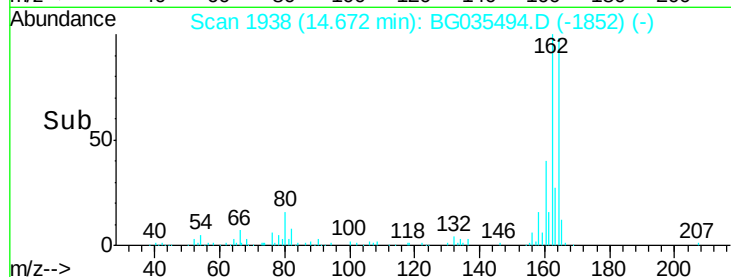
160 40.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 140.230 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035494.D

Acq: 29 Jun 2018 1:27

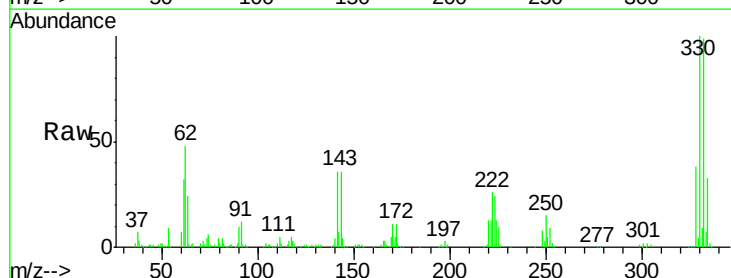
Tgt Ion:330 Resp: 166718

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

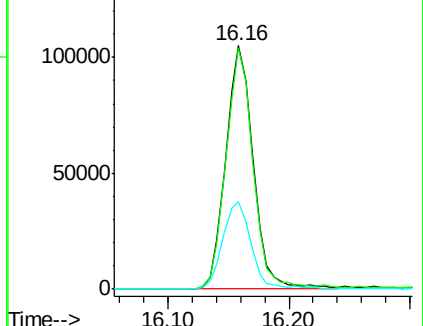
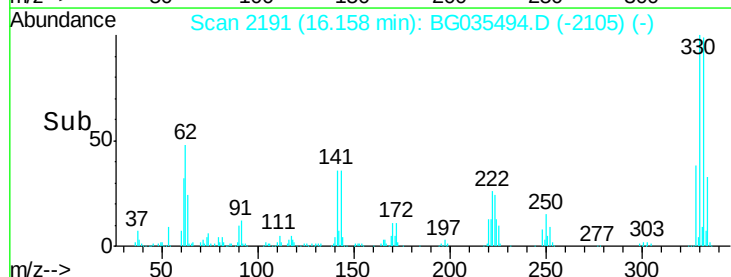
141 36.8 25.2 37.8

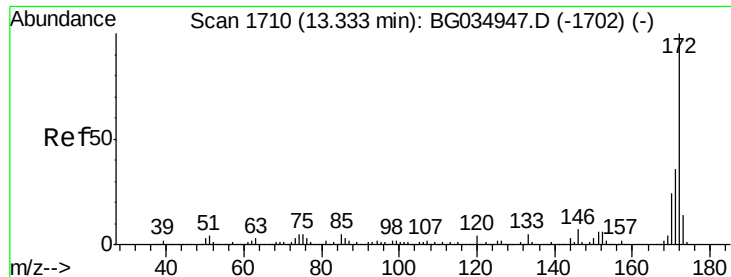


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

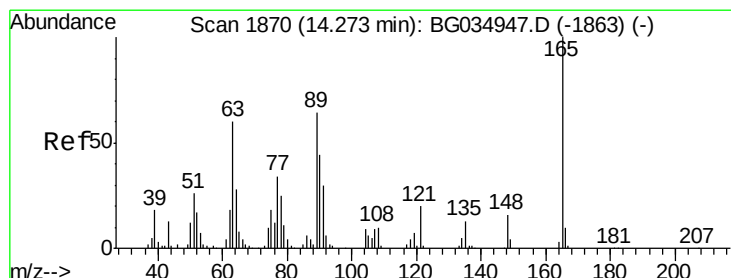
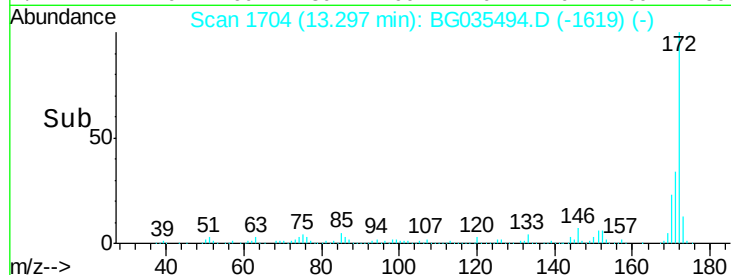
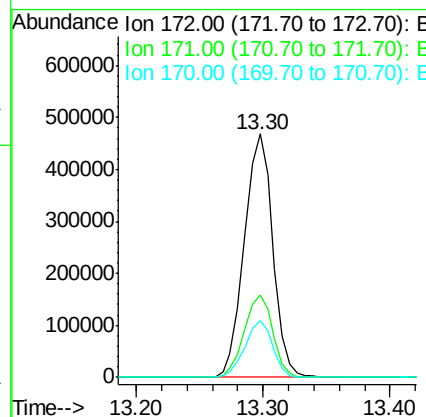
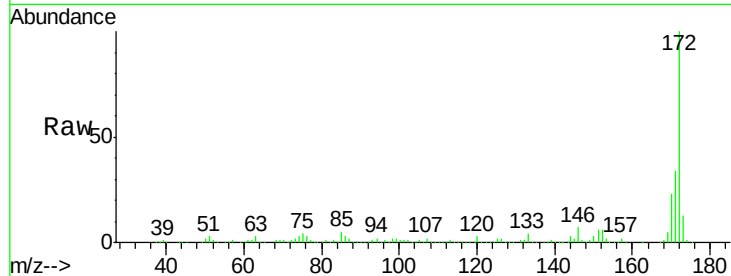




#44
 2-Fluorobiphenyl
 Concen: 102.140 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035494.D
 Acq: 29 Jun 2018 1:27

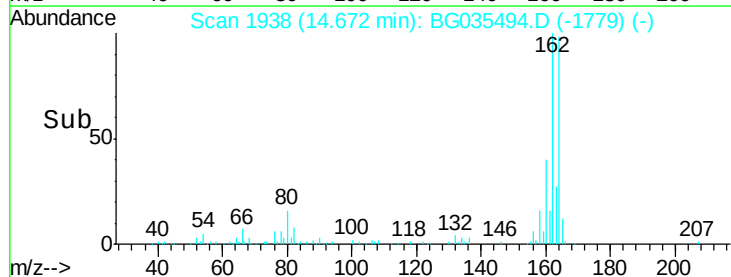
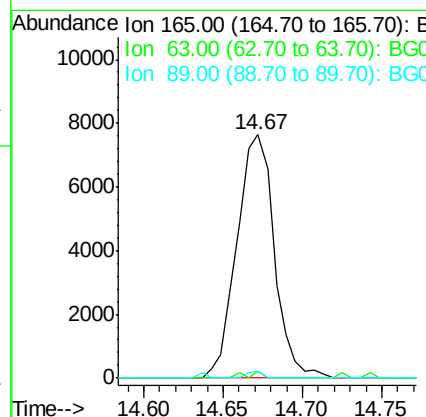
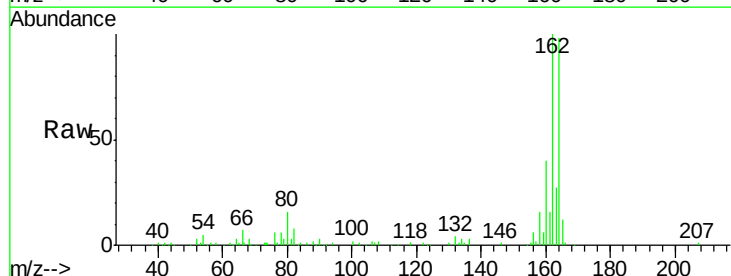
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 WASTE-CHARACTERIZATION-COM

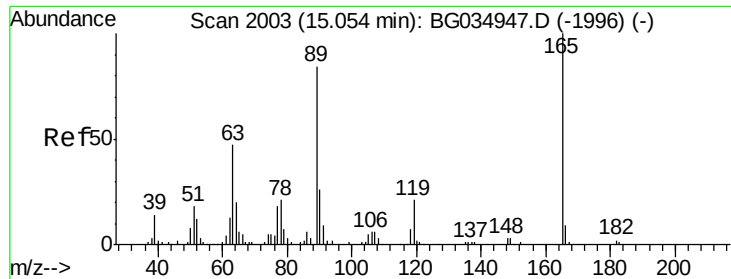
Tgt Ion:172 Resp: 729700
 Ion Ratio Lower Upper
 172 100
 171 33.9 30.0 45.0
 170 23.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.456 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.40 min
 Lab File: BG035494.D
 Acq: 29 Jun 2018 1:27

Tgt Ion:165 Resp: 12494
 Ion Ratio Lower Upper
 165 100
 63 2.6 52.7 79.1#
 89 2.8 49.2 73.8#

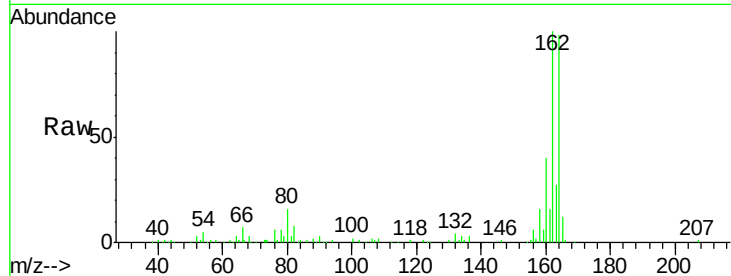




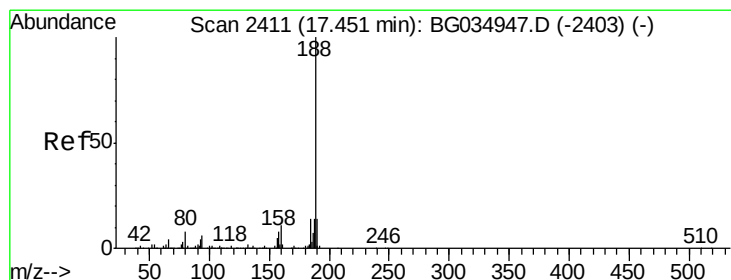
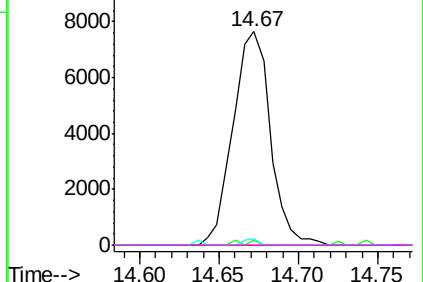
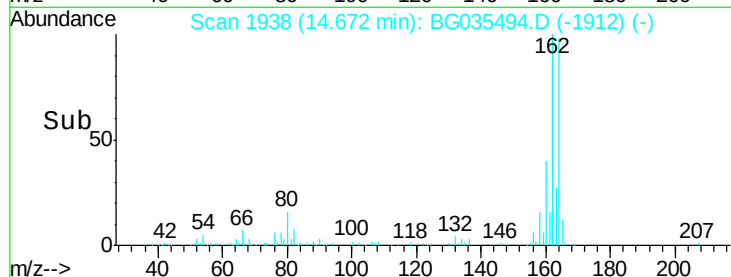
#56
 2,4-Dinitrotoluene
 Concen: 6.366 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG035494.D
 Acq: 29 Jun 2018 1:27

Instrument :
 BNA_G
 ClientSampleId :
 WASTE-CHARACTERIZATION-COM

Tgt Ion:165 Resp: 12494
 Ion Ratio Lower Upper
 165 100
 63 2.6 42.0 63.0#
 89 2.8 66.9 100.3#
 182 0.0 2.6 3.8#

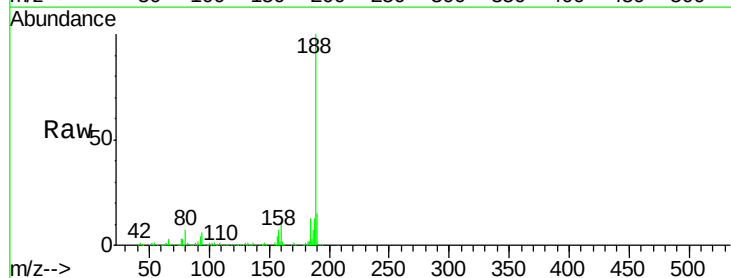


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

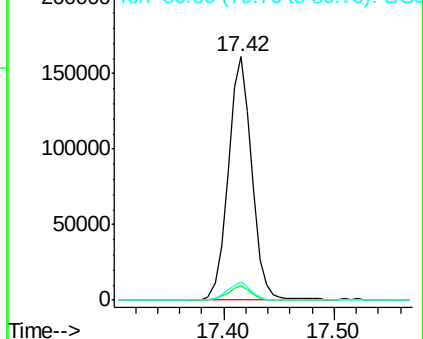
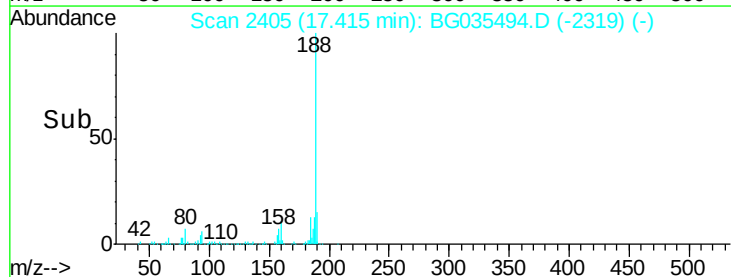


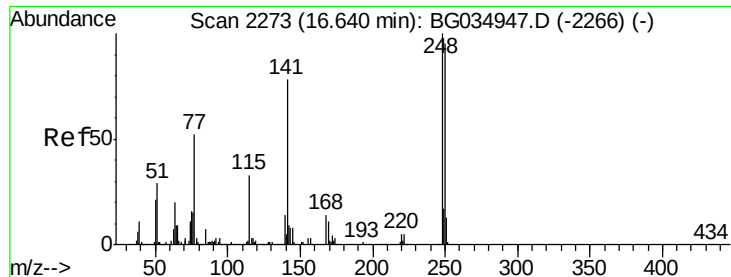
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035494.D
 Acq: 29 Jun 2018 1:27

Tgt Ion:188 Resp: 240745
 Ion Ratio Lower Upper
 188 100
 94 5.7 6.9 10.3#
 80 7.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

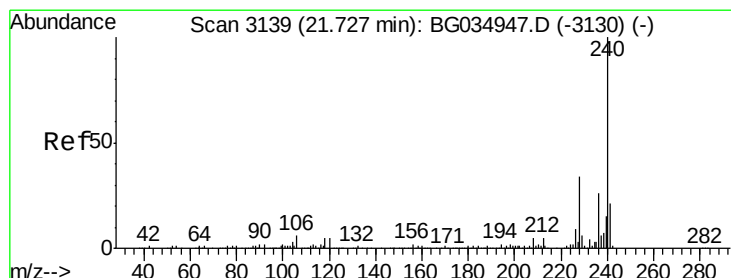
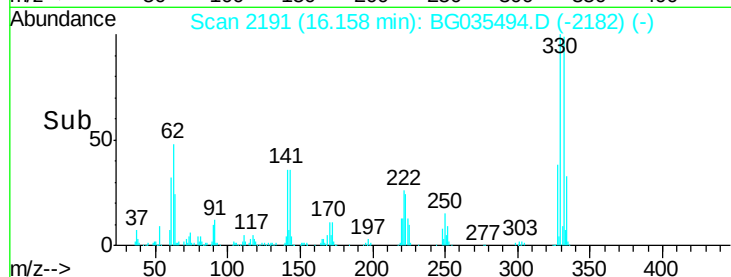
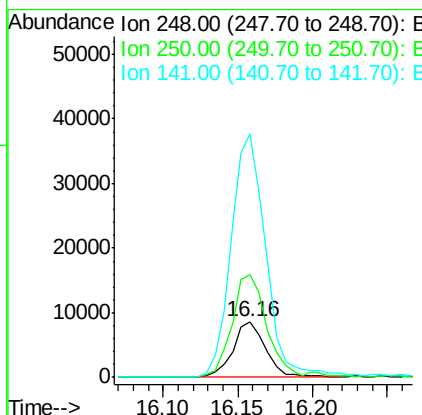
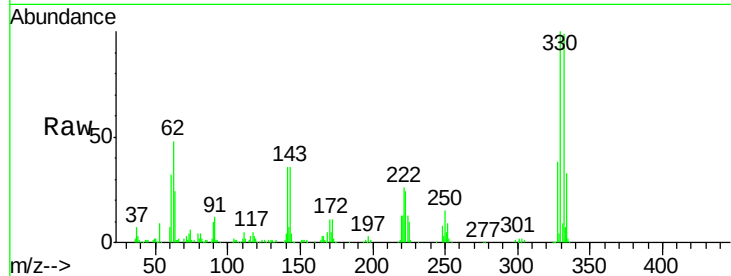




#66
 4-Bromophenyl-phenylether
 Concen: 4.526 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.48 min
 Lab File: BG035494.D
 Acq: 29 Jun 2018 1:27

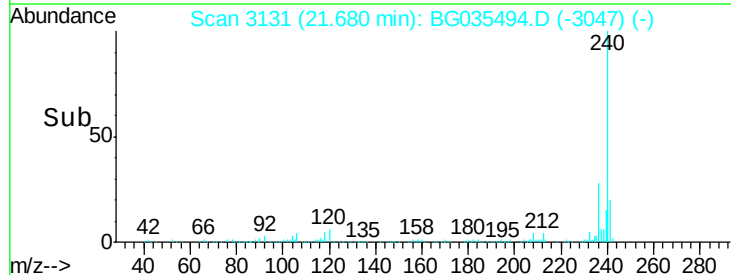
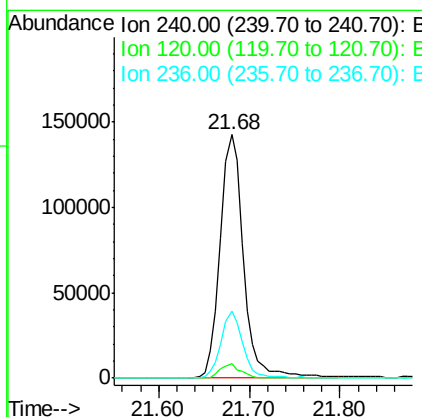
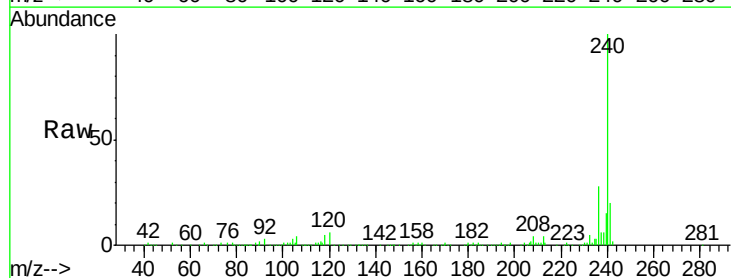
Instrument :
 BNA_G
 ClientSampleId :
 WASTE-CHARACTERIZATION-COM

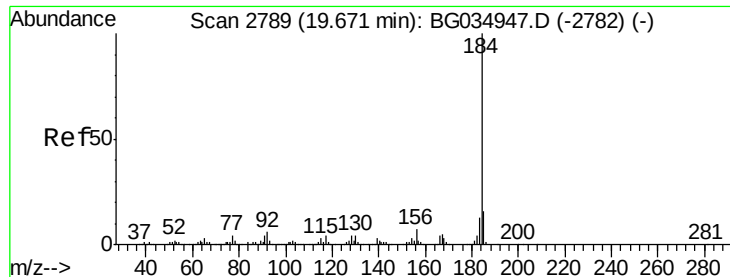
Tgt Ion:248 Resp: 13122
 Ion Ratio Lower Upper
 248 100
 250 184.5 77.1 115.7#
 141 437.2 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.04 min
 Lab File: BG035494.D
 Acq: 29 Jun 2018 1:27

Tgt Ion:240 Resp: 254898
 Ion Ratio Lower Upper
 240 100
 120 5.8 6.8 10.2#
 236 27.6 20.9 31.3

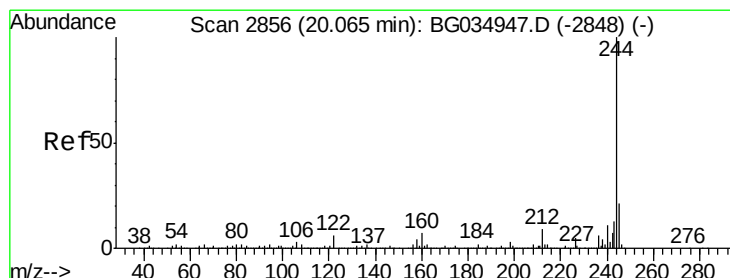
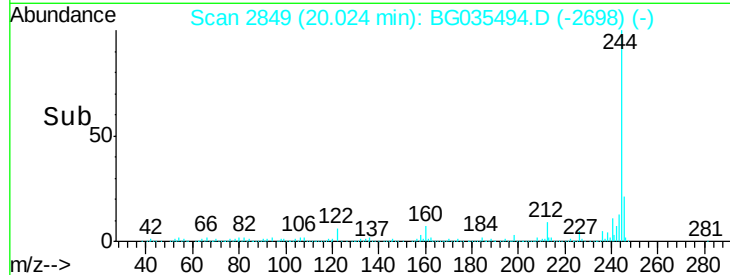
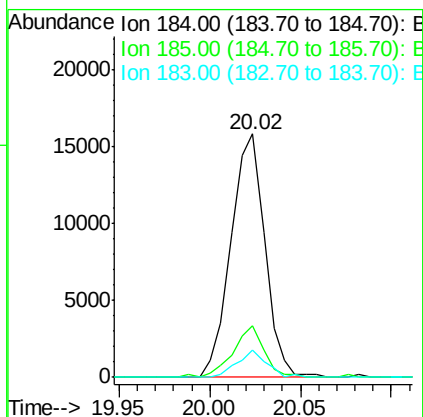
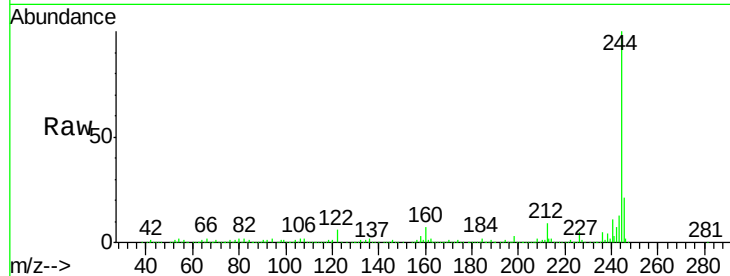




#76
Benzidine
Concen: 2.170 ng
RT: 20.02 min Scan# 2849
Delta R.T. 0.36 min
Lab File: BG035494.D
Acq: 29 Jun 2018 1:27

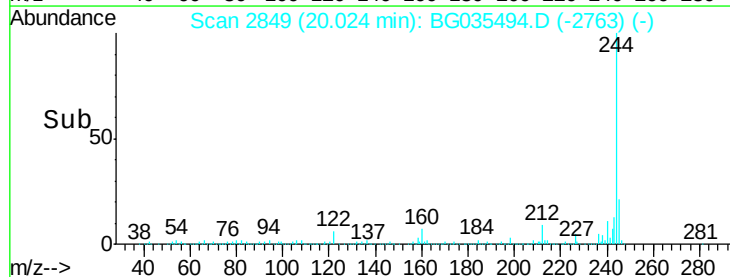
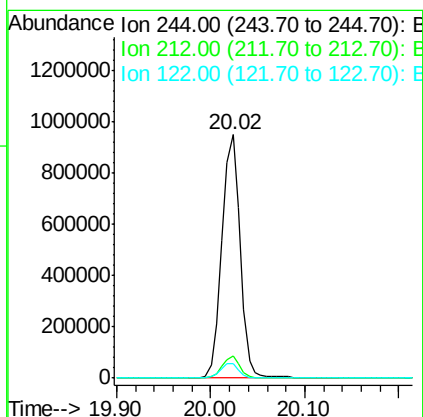
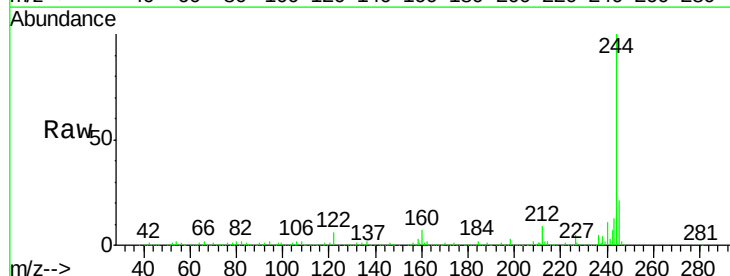
Instrument :
BNA_G
ClientSampleId :
WASTE-CHARACTERIZATION-COM

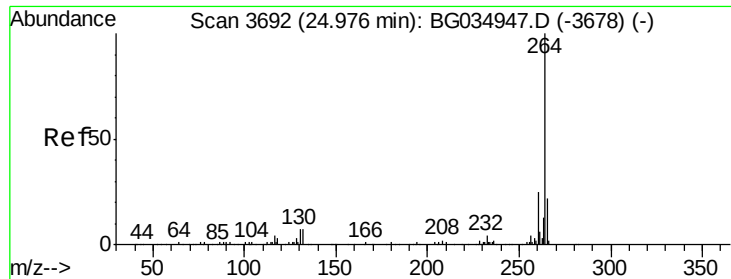
Tgt Ion:184 Resp: 20582
Ion Ratio Lower Upper
184 100
185 21.1 11.1 16.7#
183 11.1 10.6 16.0



#78
Terphenyl-d14
Concen: 106.882 ng
RT: 20.02 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BG035494.D
Acq: 29 Jun 2018 1:27

Tgt Ion:244 Resp: 1300633
Ion Ratio Lower Upper
244 100
212 9.2 5.8 8.8#
122 6.1 7.0 10.4#

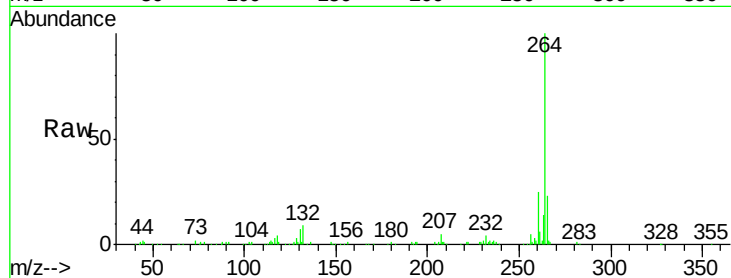




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035494.D
Acq: 29 Jun 2018 1:27

Instrument :
BNA_G
ClientSampleId :
WASTE-CHARACTERIZATION-COM

Tgt Ion: 264 Resp: 208248
Ion Ratio Lower Upper
264 100
260 24.8 17.4 26.0
265 22.7 17.7 26.5



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

