

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121118\
 Data File : BG038481.D
 Acq On : 11 Dec 2018 22:35
 Operator : JU/SJ
 Sample : J6298-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENGINE-WASH

Quant Time: Dec 12 03:18:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG120418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 04 17:15:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	24145	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	98305	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	69220	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	170250	20.00	ng	-0.01
76) Chrysene-d12	21.73	240	165183	20.00	ng	-0.01
87) Perylene-d12	25.04	264	175346	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	210469	154.26	ng	0.00
7) Phenol-d6	7.22	99	267996	135.90	ng	0.00
23) Nitrobenzene-d5	9.25	82	201583	101.81	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	153409	180.53	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	484190	99.67	ng	0.00
79) Terphenyl-d14	20.06	244	818288	106.12	ng	0.00

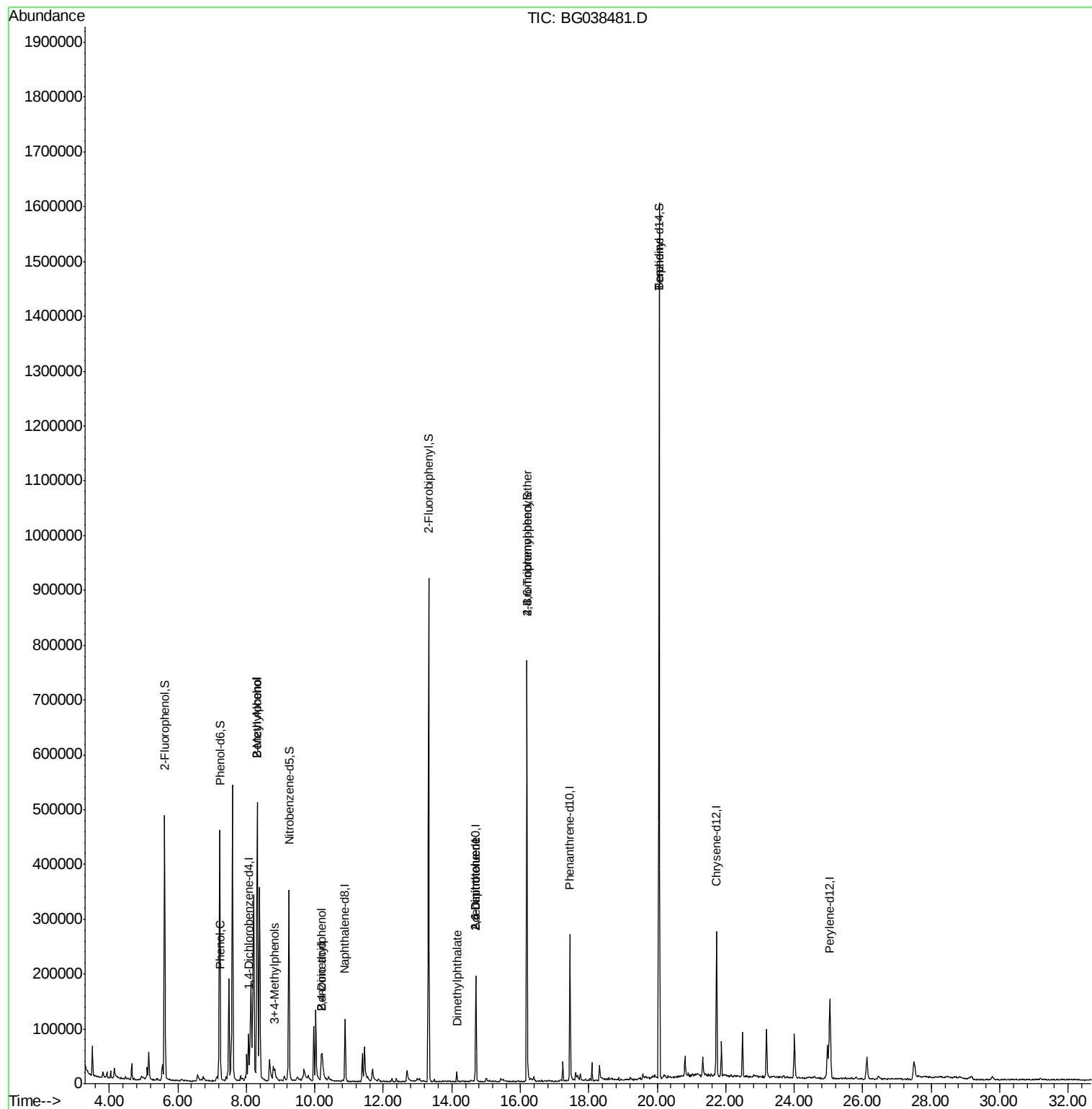
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.25	94	8780	4.214	ng	# 74
15) Benzyl Alcohol	8.32	79	171434	105.741	ng	# 94
17) 2-Methylphenol	8.32	107	89489	65.015	ng	# 2
20) 3+4-Methylphenols	8.83	107	6206	2.957	ng	# 89
22) Acetophenone	8.89	105	1004	Below Cal		# 62
27) 2,4-Dimethylphenol	10.19	122	24103	18.003	ng	# 2
32) Benzoic acid	10.19	122	24103	27.603	ng	# 96
50) Dimethylphthalate	14.15	163	13087	2.357	ng	# 92
51) 2,6-Dinitrotoluene	14.70	165	8968	7.071	ng	# 26
57) 2,4-Dinitrotoluene	14.70	165	8968	5.127	ng	# 26
67) 4-Bromophenyl-phenylether	16.20	248	10608	5.770	ng	# 1
77) Benzidine	20.06	184	15730	2.822	ng	# 95

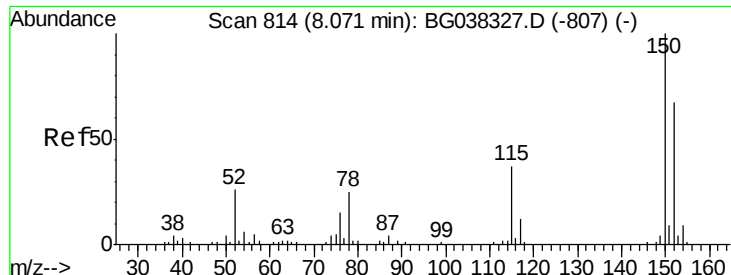
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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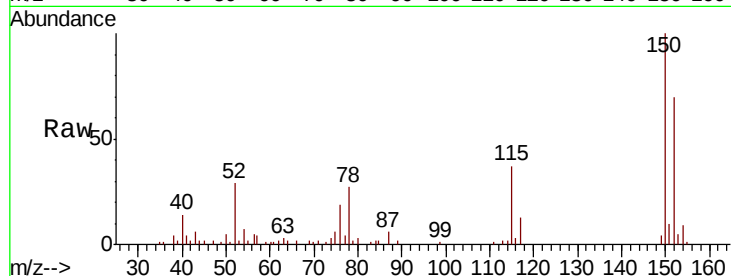




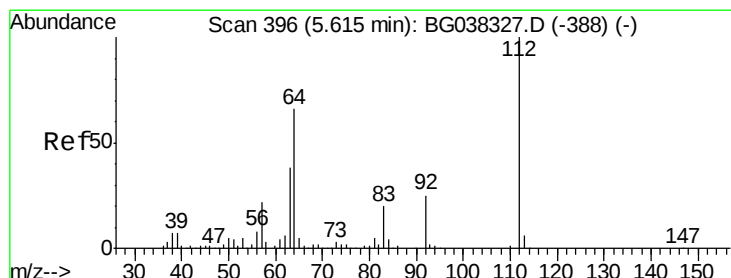
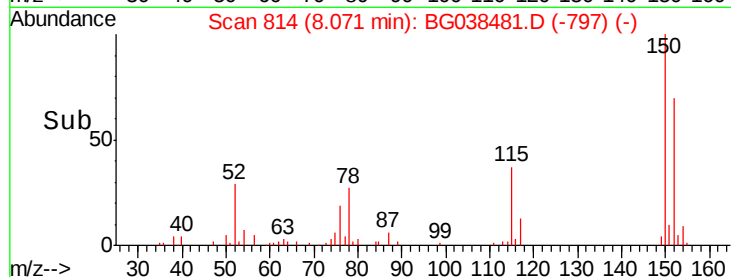
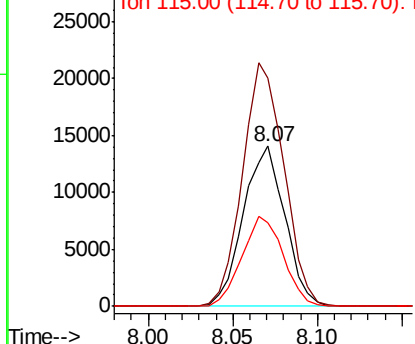
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BG038481.D
 Acq: 11 Dec 2018 22:35

Instrument :
 BNA_G
 ClientSampleId :
 ENGINE-WASH

Tgt Ion:152 Resp: 24145
 Ion Ratio Lower Upper
 152 100
 150 142.4 126.0 189.0
 115 52.6 45.5 68.3

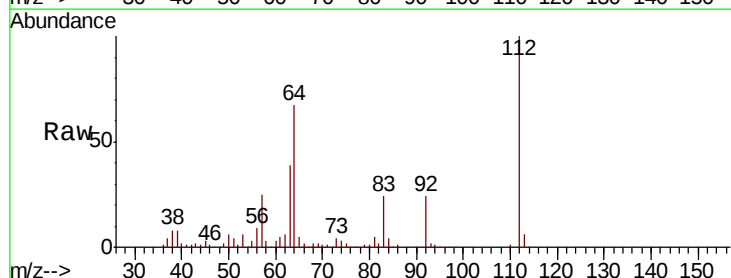


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

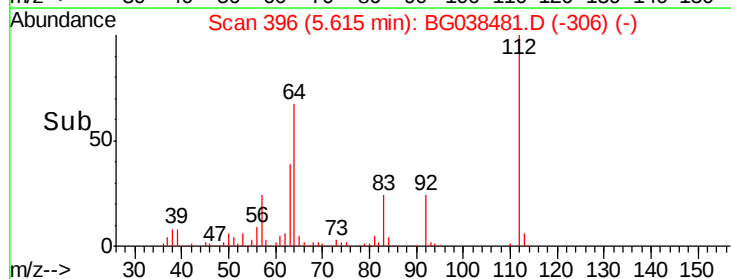
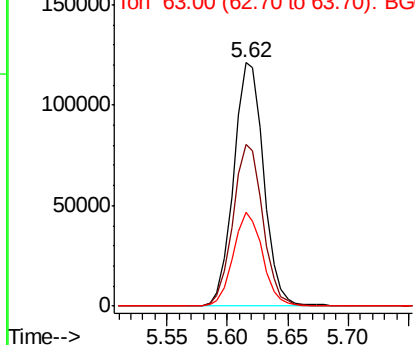


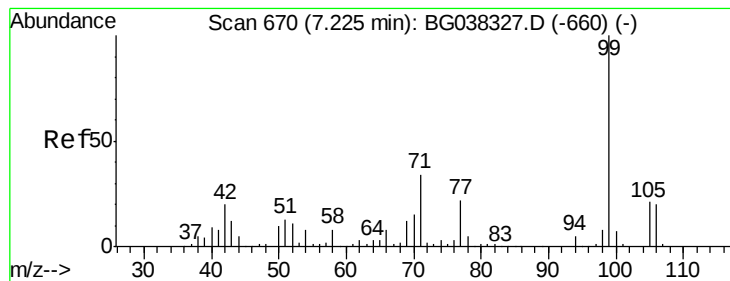
#5
 2-Fluorophenol
 Concen: 154.258 ng
 RT: 5.62 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: BG038481.D
 Acq: 11 Dec 2018 22:35

Tgt Ion:112 Resp: 210469
 Ion Ratio Lower Upper
 112 100
 64 66.7 53.1 79.7
 63 38.6 27.3 40.9



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: 135.900 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

Instrument :

BNA_G

ClientSampleId :

ENGINE-WASH

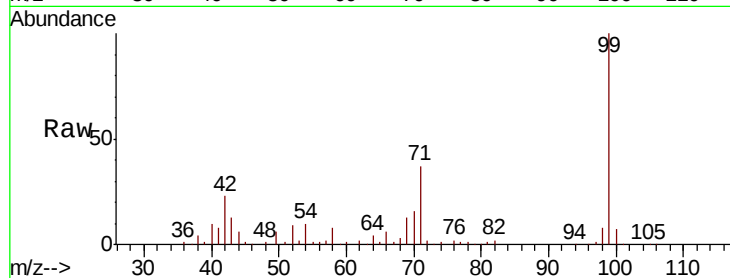
Tgt Ion: 99 Resp: 267996

Ion Ratio Lower Upper

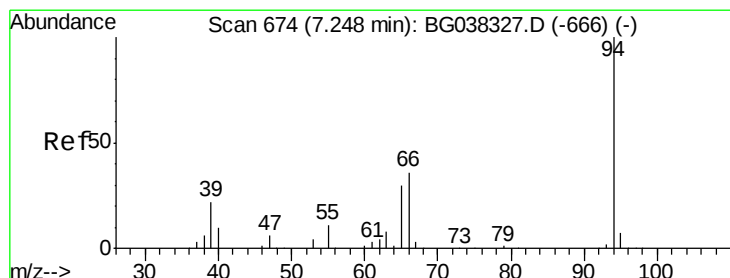
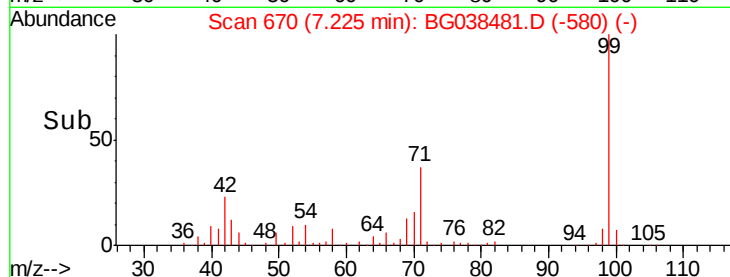
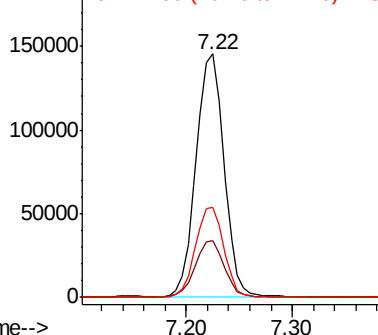
99 100

42 23.5 15.0 22.4#

71 36.7 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 4.214 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

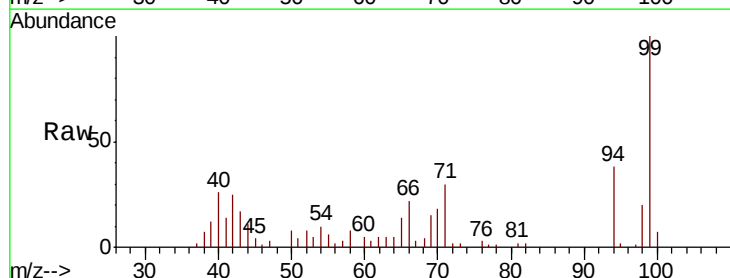
Tgt Ion: 94 Resp: 8780

Ion Ratio Lower Upper

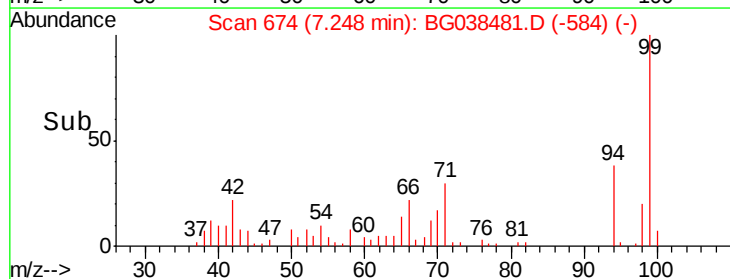
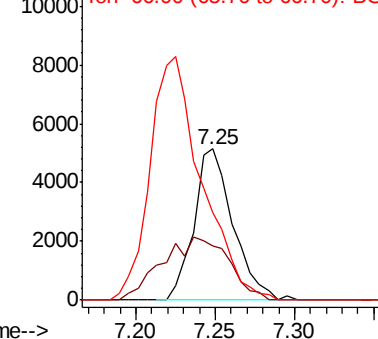
94 100

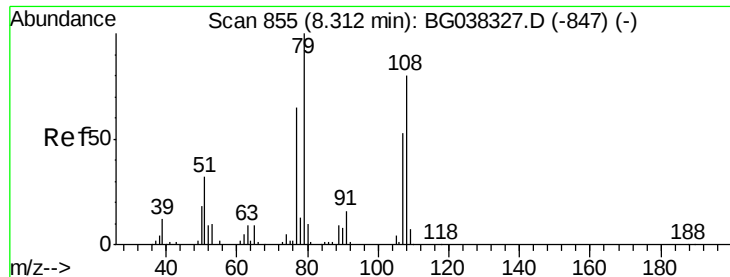
65 35.9 9.7 49.7

66 57.9 15.9 55.9#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 105.741 ng

RT: 8.32 min Scan# 856

Delta R.T. 0.01 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

Instrument :

BNA_G

ClientSampleId :

ENGINE-WASH

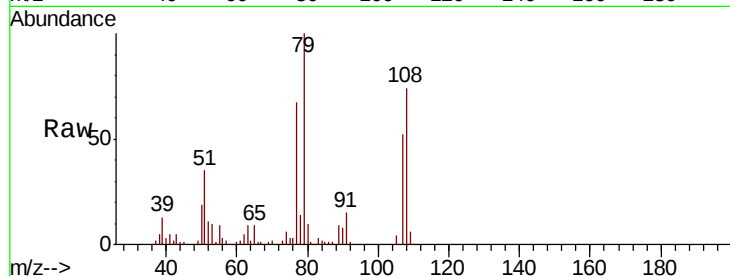
Tgt Ion: 79 Resp: 171434

Ion Ratio Lower Upper

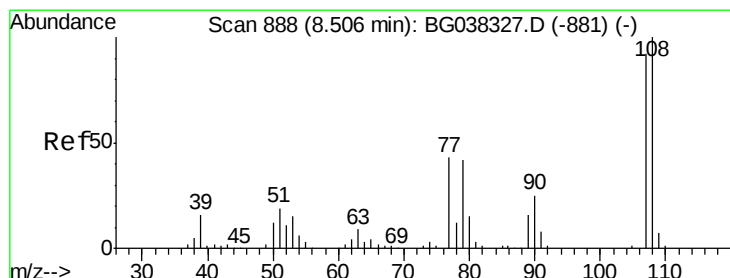
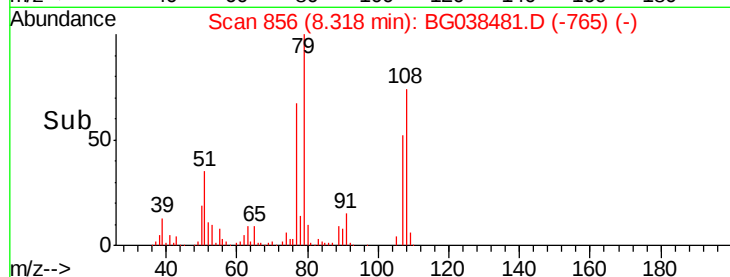
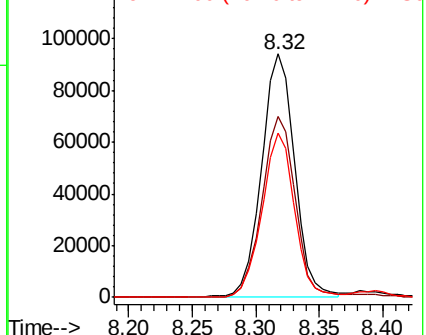
79 100

108 74.2 65.8 98.8

77 67.4 52.9 79.3



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



#17

2-Methylphenol

Concen: 65.015 ng

RT: 8.32 min Scan# 856

Delta R.T. -0.19 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

Tgt Ion: 107 Resp: 89489

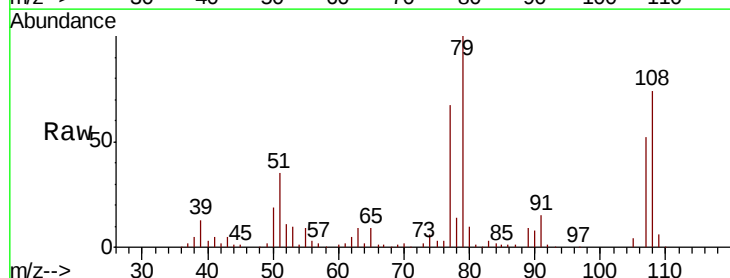
Ion Ratio Lower Upper

107 100

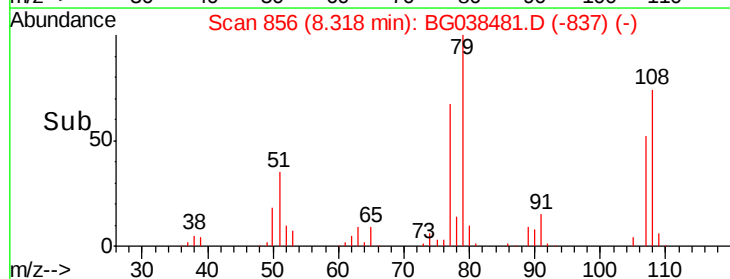
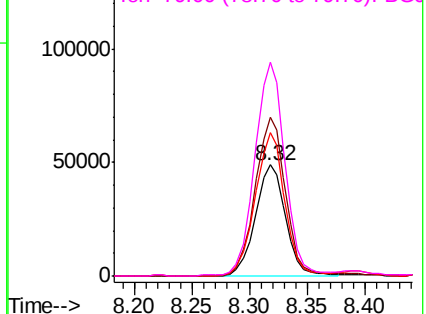
108 142.9 87.9 131.9#

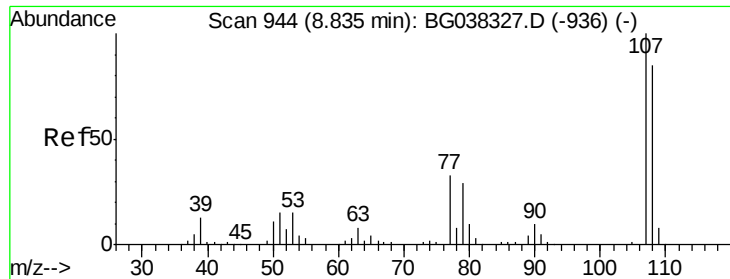
77 129.9 35.1 52.7#

79 192.7 34.5 51.7#



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

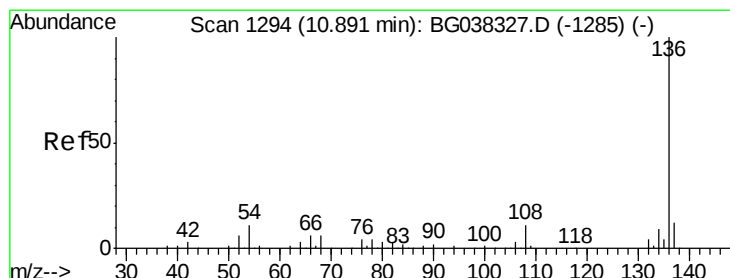
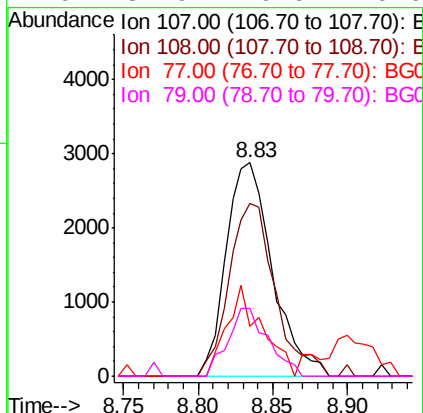
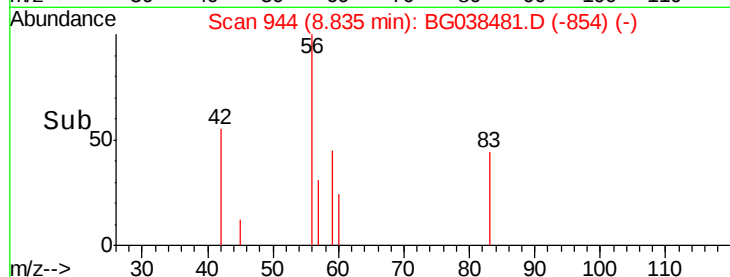
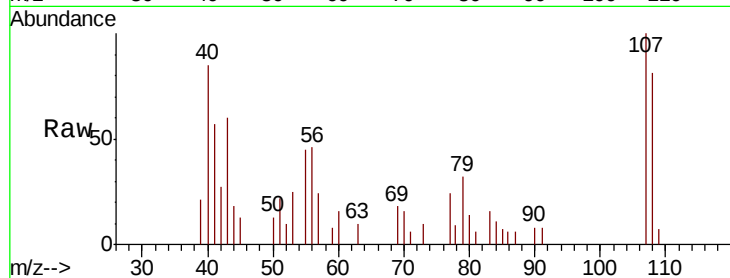




#20
3+4-Methylphenols
Concen: 2.957 ng
RT: 8.83 min Scan# 944
Delta R.T. -0.00 min
Lab File: BG038481.D
Acq: 11 Dec 2018 22:35

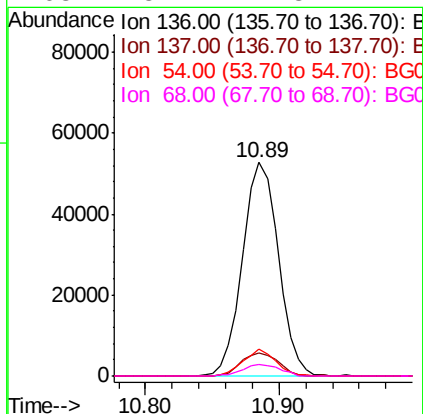
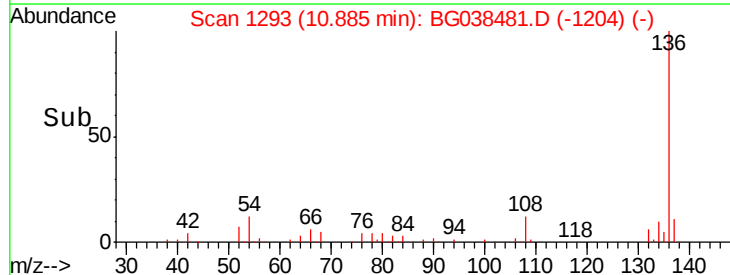
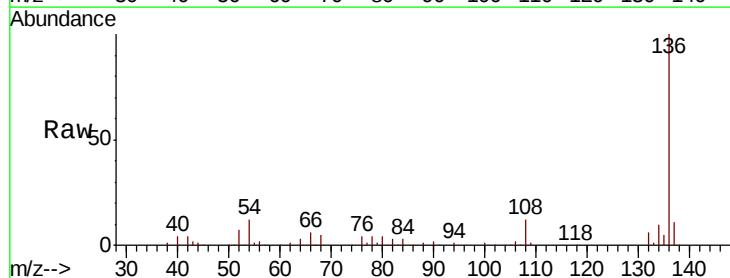
Instrument :
BNA_G
ClientSampleId :
ENGINE-WASH

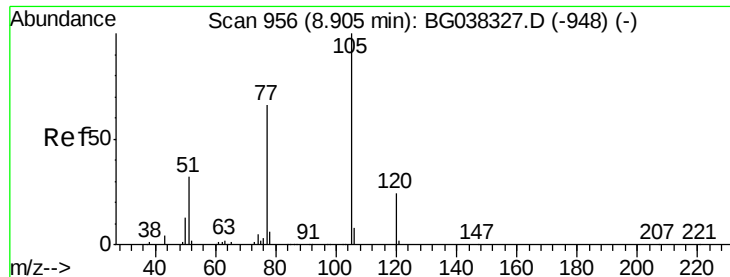
Tgt Ion:	107	Resp:	6206
Ion	Ratio	Lower	Upper
107	100		
108	80.8	69.9	109.9
77	23.6	11.2	51.2
79	31.9	6.6	46.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG038481.D
Acq: 11 Dec 2018 22:35

Tgt Ion:	136	Resp:	98305
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.6	14.4
54	12.3	7.9	11.9#
68	5.4	4.8	7.2





#22

Acetophenone

Concen: Below Cal

RT: 8.89 min Scan# 954

Delta R.T. -0.01 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

Instrument :

BNA_G

ClientSampleId :

ENGINE-WASH

Tgt Ion: 105 Resp: 1004

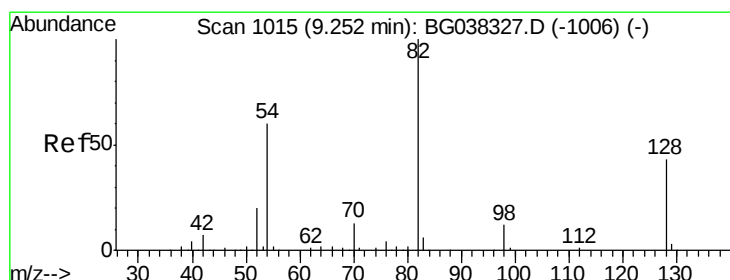
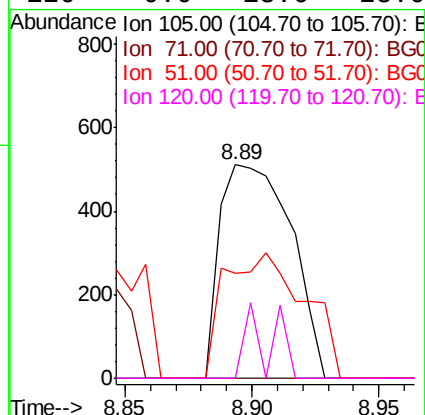
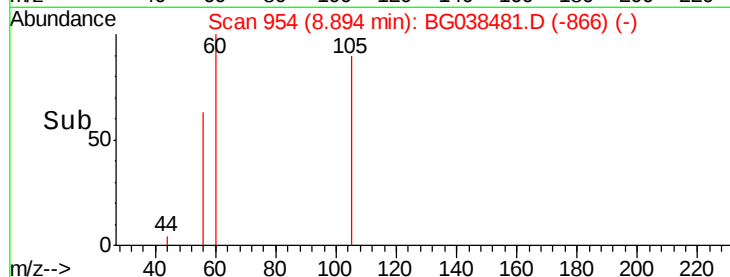
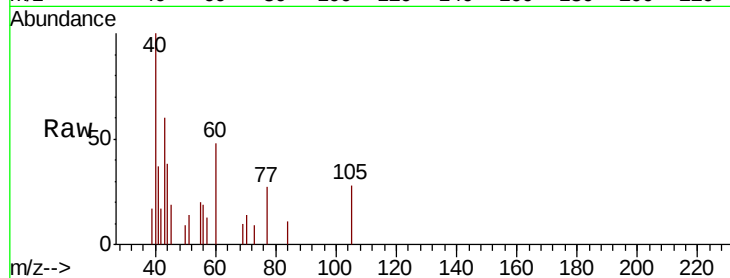
Ion Ratio Lower Upper

105 100

71 0.0 1.2 1.8#

51 49.5 25.0 37.6#

120 0.0 18.6 28.0#



#23

Nitrobenzene-d5

Concen: 101.807 ng

RT: 9.25 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

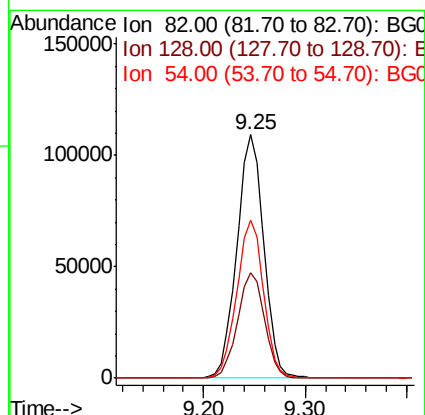
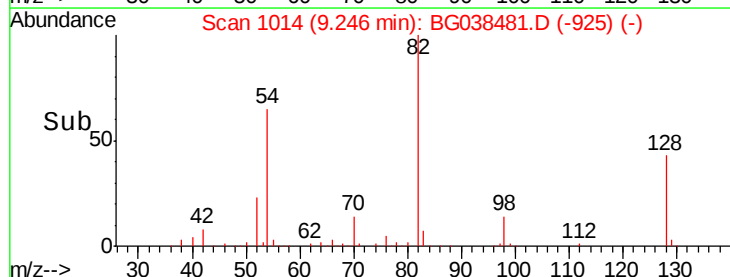
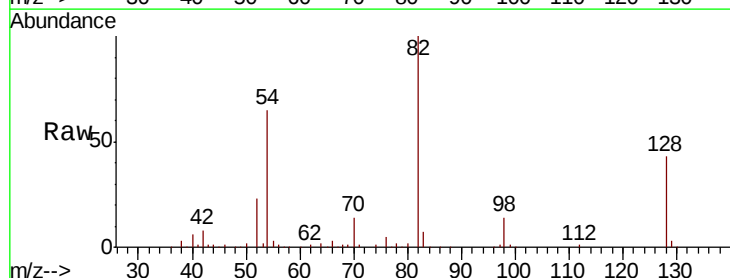
Tgt Ion: 82 Resp: 201583

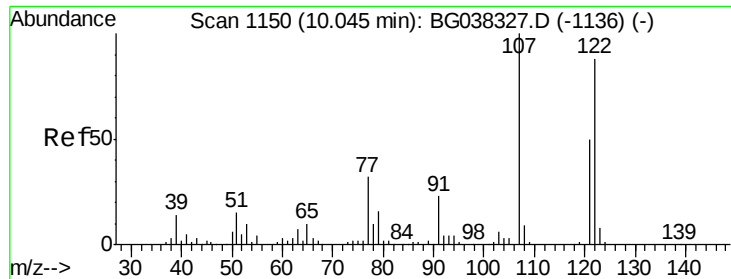
Ion Ratio Lower Upper

82 100

128 43.1 34.6 51.8

54 64.6 45.3 67.9

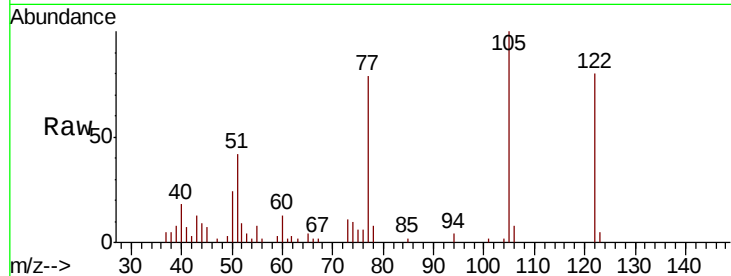




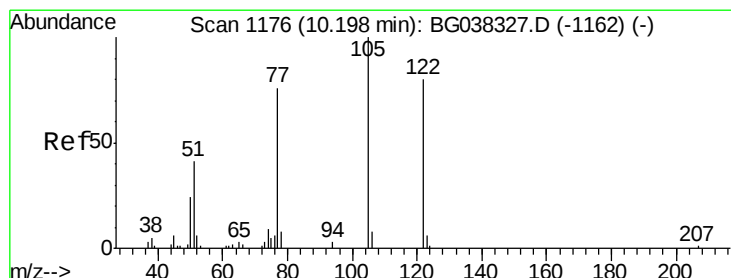
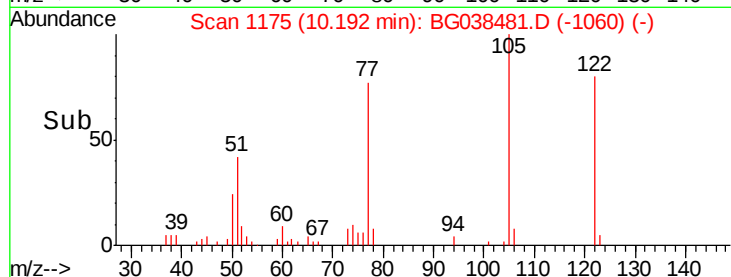
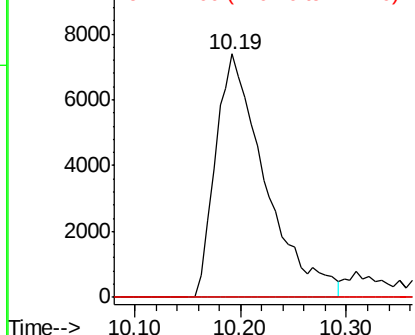
#27
2,4-Dimethylphenol
Concen: 18.003 ng
RT: 10.19 min Scan# 1175
Delta R.T. 0.15 min
Lab File: BG038481.D
Acq: 11 Dec 2018 22:35

Instrument :
BNA_G
ClientSampleId :
ENGINE-WASH

Tgt Ion:122 Resp: 24103
Ion Ratio Lower Upper
122 100
107 0.0 94.2 141.2#
121 0.0 47.3 70.9#

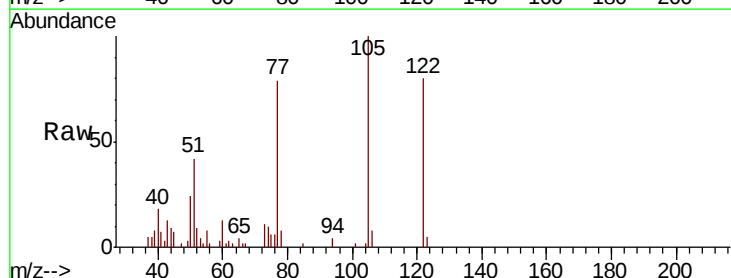


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

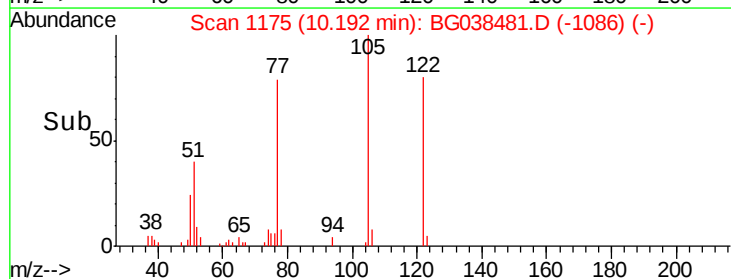
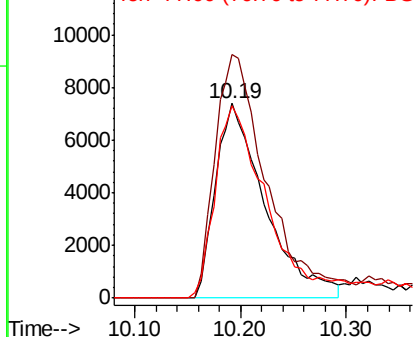


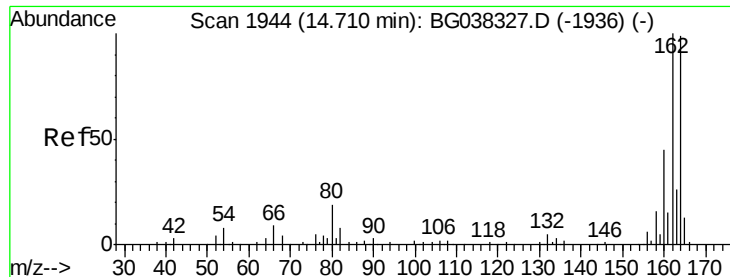
#32
Benzoic acid
Concen: 27.603 ng
RT: 10.19 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BG038481.D
Acq: 11 Dec 2018 22:35

Tgt Ion:122 Resp: 24103
Ion Ratio Lower Upper
122 100
105 125.0 106.7 146.7
77 98.7 72.2 112.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

Instrument :

BNA_G

ClientSampleId :

ENGINE-WASH

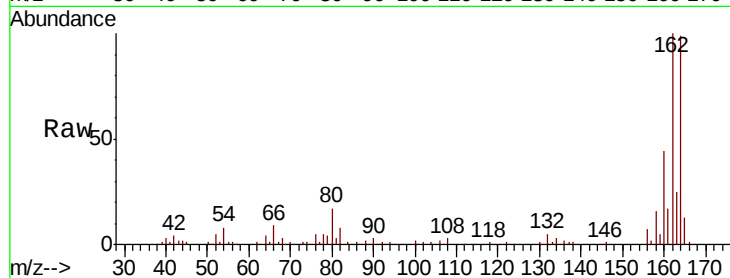
Tgt Ion:164 Resp: 69220

Ion Ratio Lower Upper

164 100

162 101.5 81.3 121.9

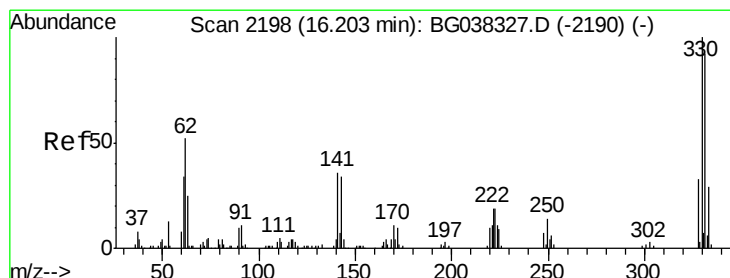
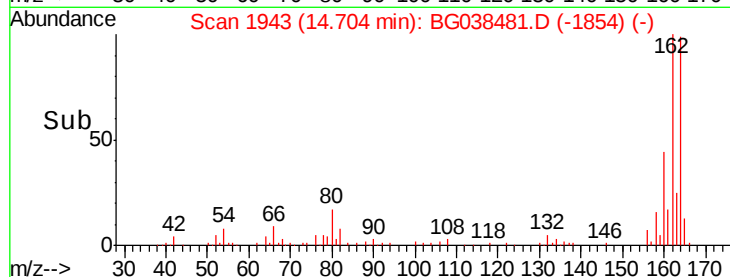
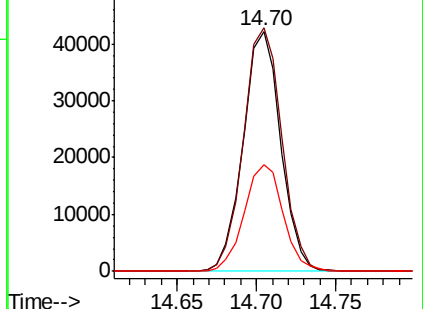
160 44.4 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 180.532 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

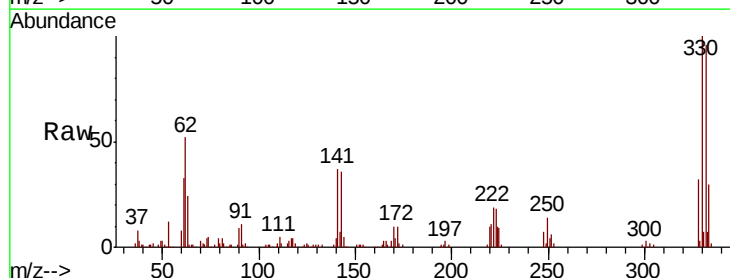
Tgt Ion:330 Resp: 153409

Ion Ratio Lower Upper

330 100

332 96.5 78.4 117.6

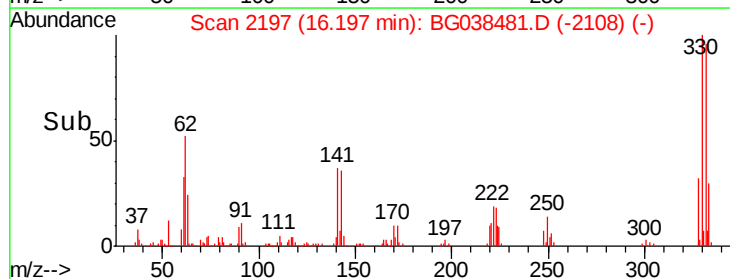
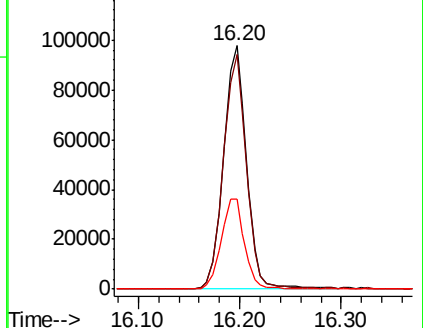
141 37.9 32.2 48.2

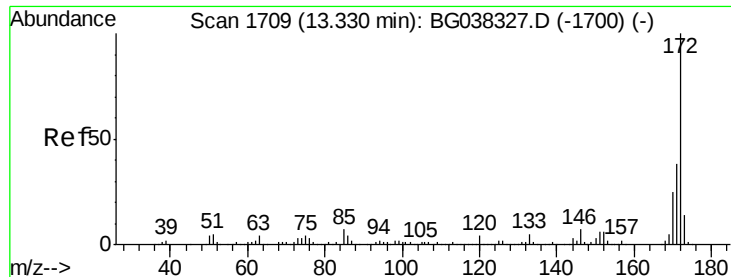


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

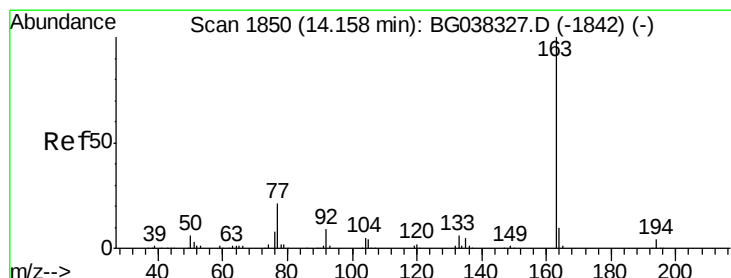
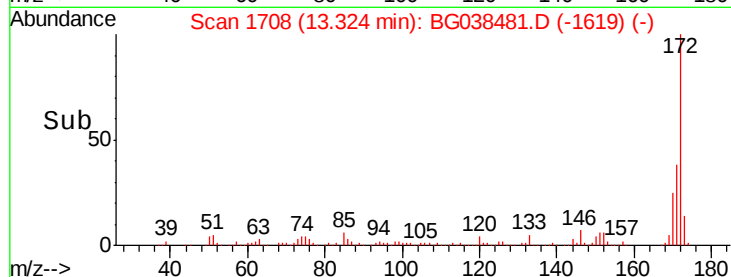
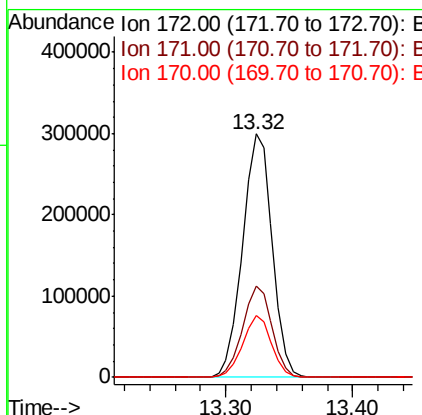
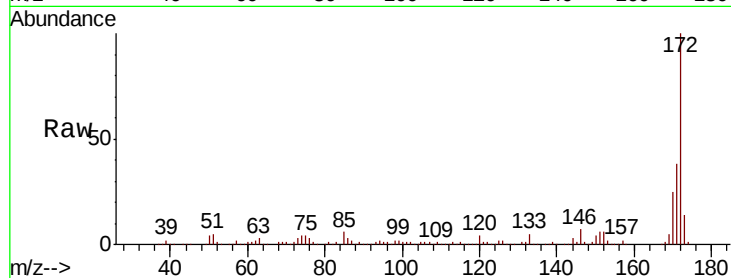




#45
 2-Fluorobiphenyl
 Concen: 99.672 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG038481.D
 Acq: 11 Dec 2018 22:35

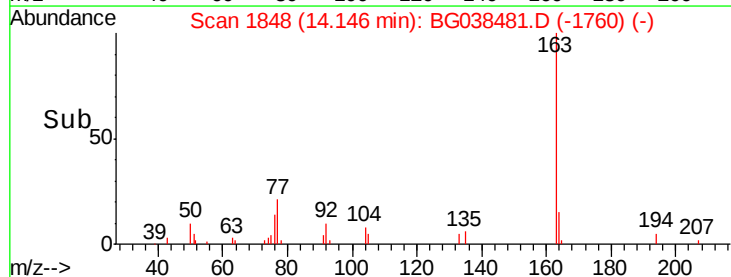
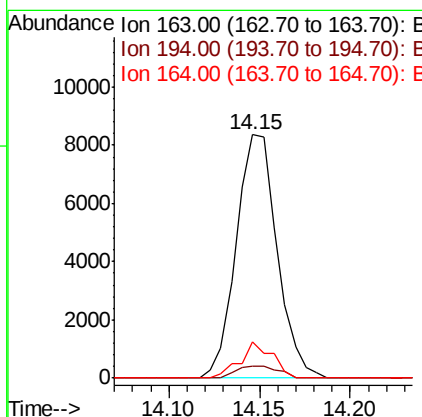
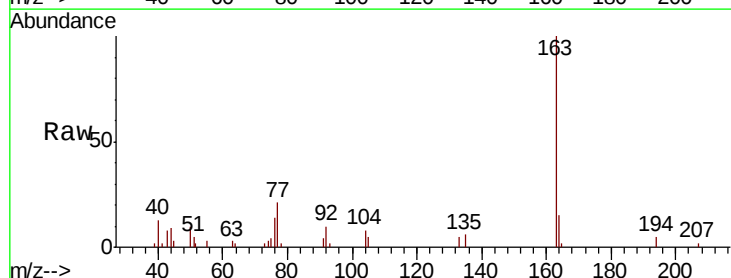
Instrument :
 BNA_G
 ClientSampleId :
 ENGINE-WASH

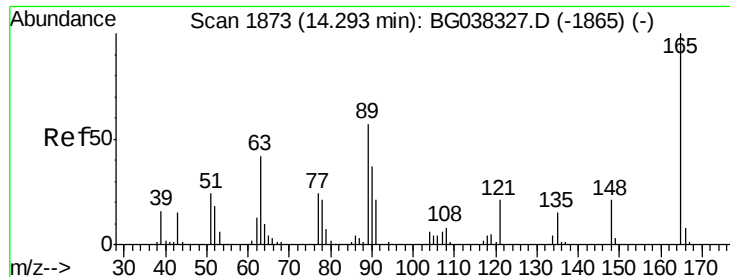
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.0	46.4
170	25.4	20.2	30.2



#50
 Dimethylphthalate
 Concen: 2.357 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BG038481.D
 Acq: 11 Dec 2018 22:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.5	5.3
164	14.8	8.5	12.7#

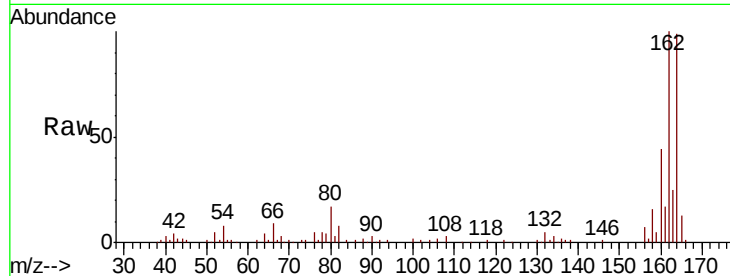




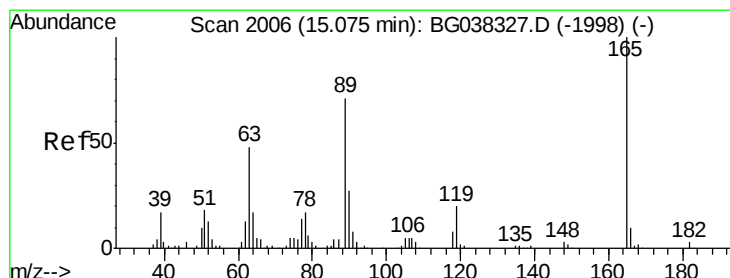
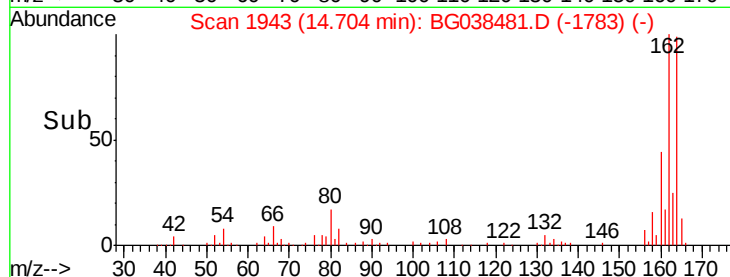
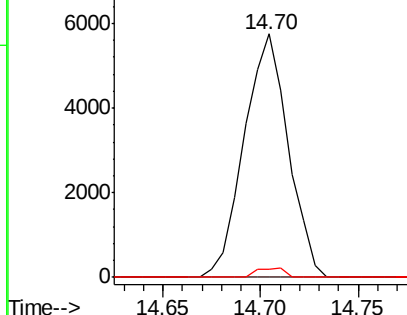
#51
 2,6-Dinitrotoluene
 Concen: 7.071 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.41 min
 Lab File: BG038481.D
 Acq: 11 Dec 2018 22:35

Instrument :
 BNA_G
 ClientSampleId :
 ENGINE-WASH

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	3.5	45.8	68.6#

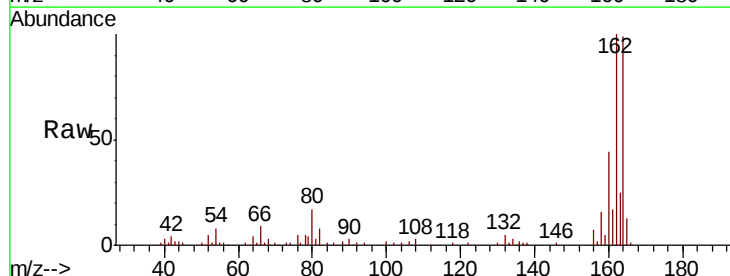


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

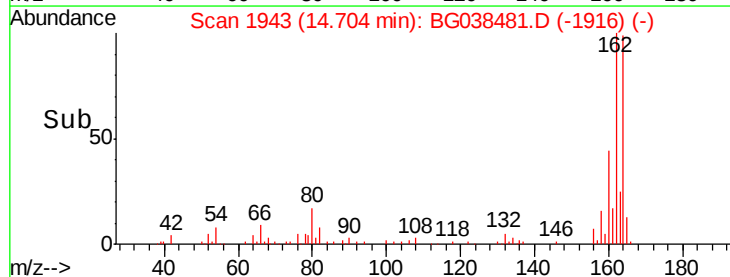
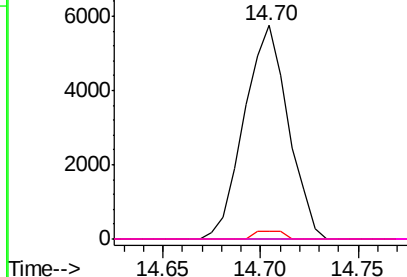


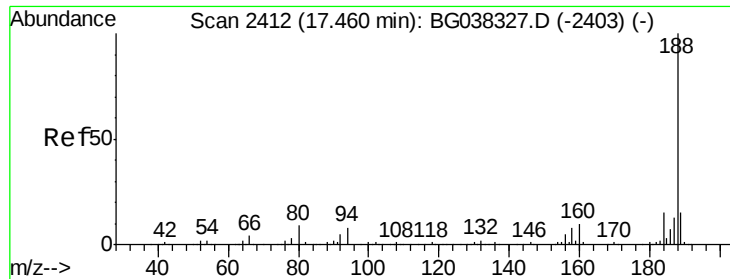
#57
 2,4-Dinitrotoluene
 Concen: 5.127 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.37 min
 Lab File: BG038481.D
 Acq: 11 Dec 2018 22:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	3.5	57.2	85.8#
182	0.0	2.6	4.0#



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

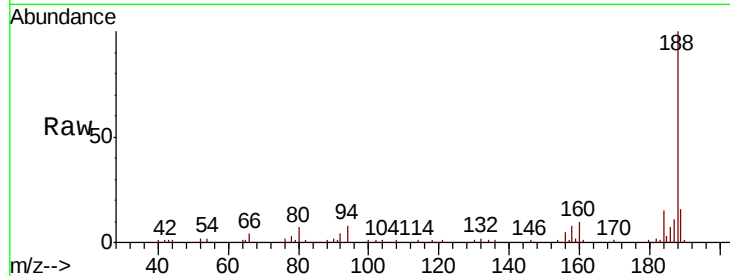




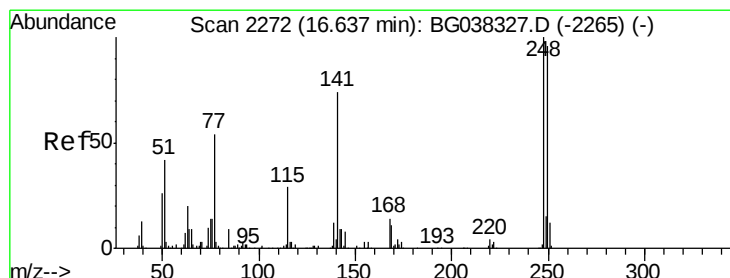
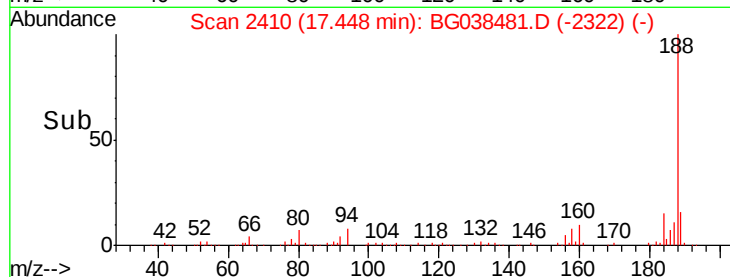
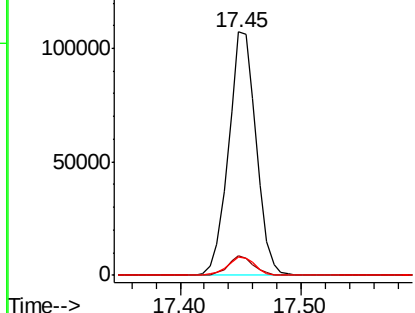
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG038481.D
 Acq: 11 Dec 2018 22:35

Instrument :
 BNA_G
 ClientSampleId :
 ENGINE-WASH

Tgt Ion:188 Resp: 170250
 Ion Ratio Lower Upper
 188 100
 94 8.1 7.2 10.8
 80 7.4 7.7 11.5#

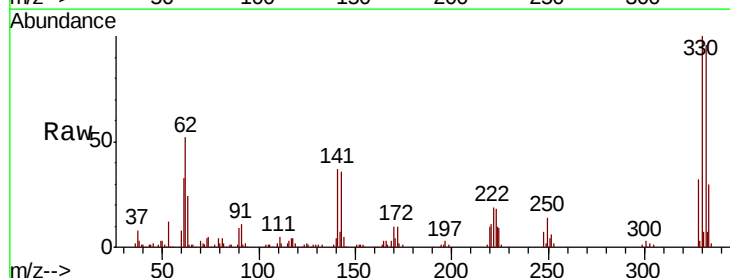


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

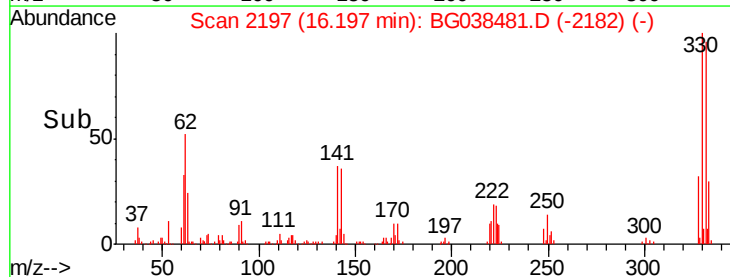
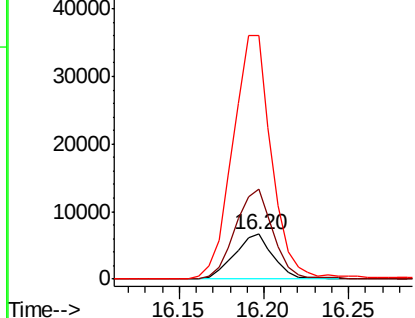


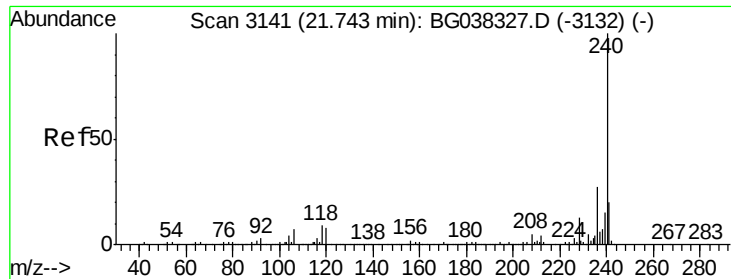
#67
 4-Bromophenyl-phenylether
 Concen: 5.770 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. -0.44 min
 Lab File: BG038481.D
 Acq: 11 Dec 2018 22:35

Tgt Ion:248 Resp: 10608
 Ion Ratio Lower Upper
 248 100
 250 196.5 77.0 115.6#
 141 421.9 55.5 83.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

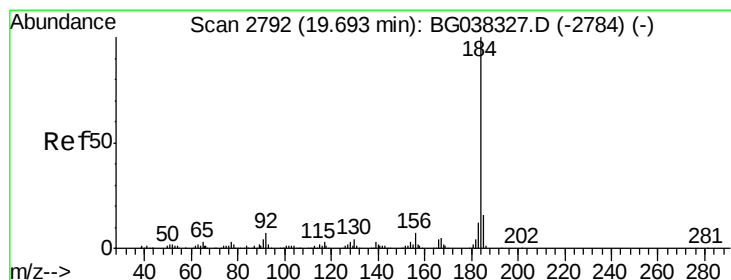
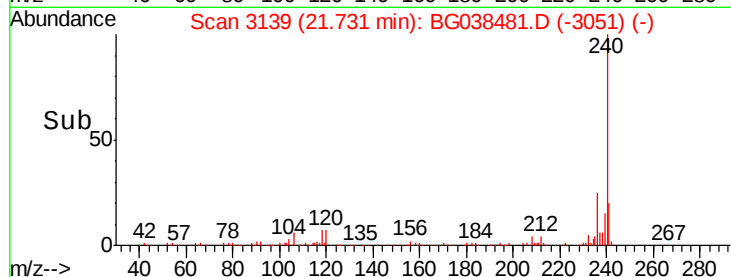
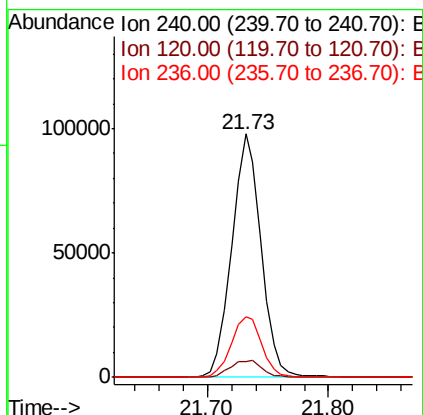
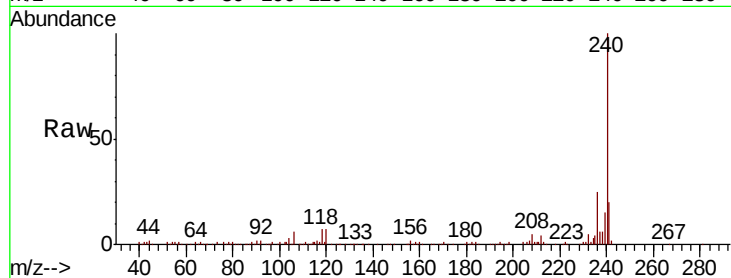




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BG038481.D
Acq: 11 Dec 2018 22:35

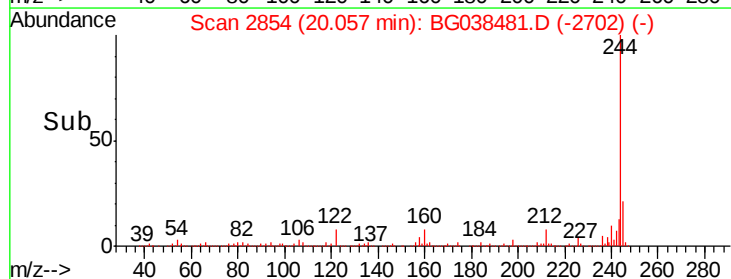
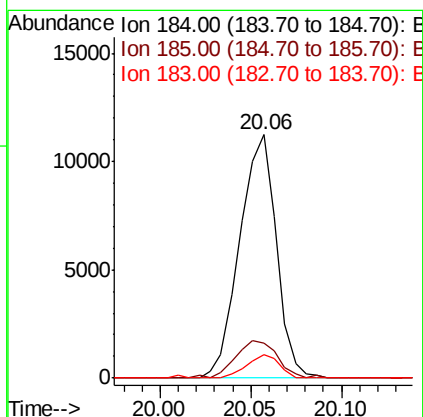
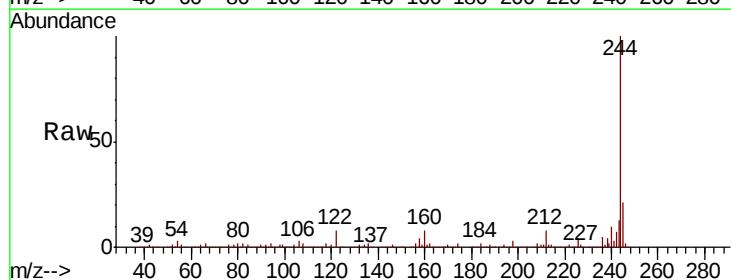
Instrument :
BNA_G
ClientSampleId :
ENGINE-WASH

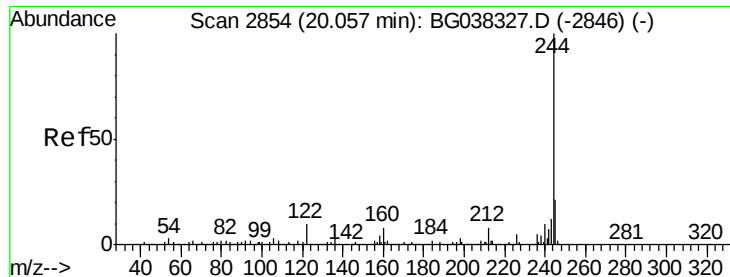
Tgt Ion:240 Resp: 165183
Ion Ratio Lower Upper
240 100
120 6.6 8.1 12.1#
236 25.0 21.4 32.0



#77
Benzidine
Concen: 2.822 ng
RT: 20.06 min Scan# 2854
Delta R.T. 0.36 min
Lab File: BG038481.D
Acq: 11 Dec 2018 22:35

Tgt Ion:184 Resp: 15730
Ion Ratio Lower Upper
184 100
185 14.5 12.6 18.8
183 9.5 10.2 15.2#





#79

Terphenyl-d14

Concen: 106.124 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

Instrument :

BNA_G

ClientSampleId :

ENGINE-WASH

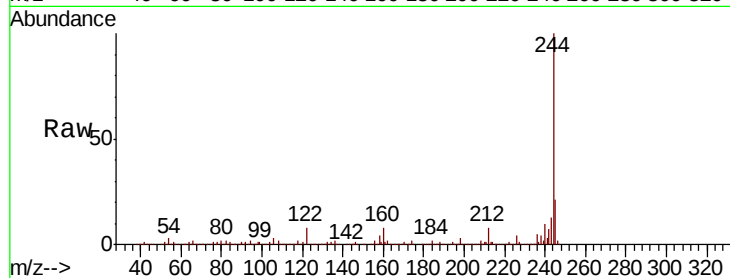
Tgt Ion:244 Resp: 818288

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

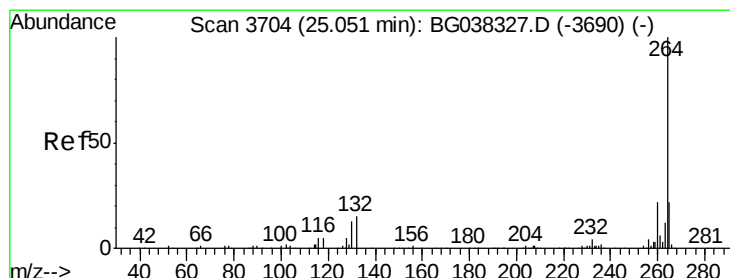
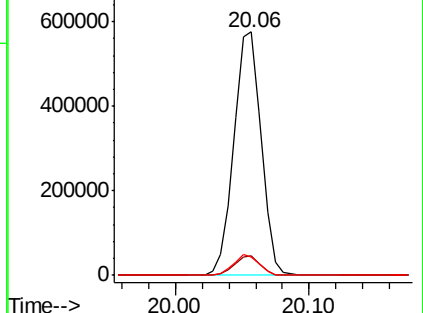
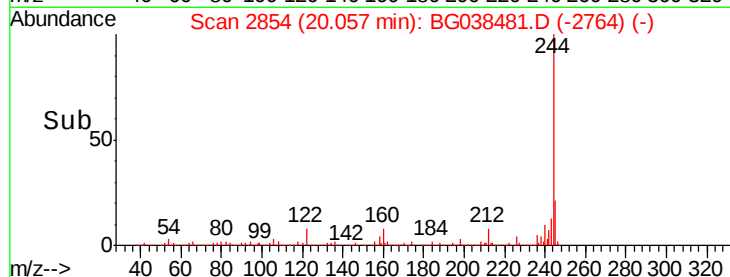
122 7.6 9.0 13.4#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038481.D

Acq: 11 Dec 2018 22:35

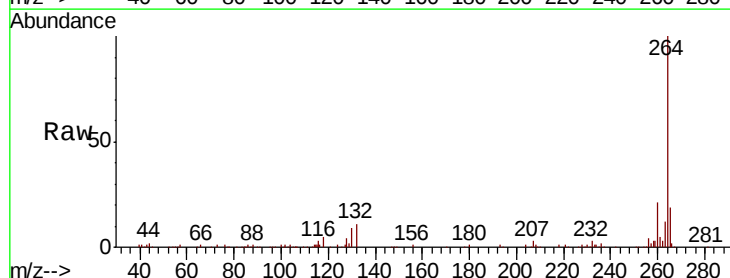
Tgt Ion:264 Resp: 175346

Ion Ratio Lower Upper

264 100

260 21.4 18.2 27.4

265 19.4 17.9 26.9



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

