

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
 Data File : BG033243.D
 Acq On : 19 Mar 2018 17:08
 Operator : SJ/JU
 Sample : J1888-06DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Quant Time: Mar 19 17:46:19 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 16:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	31644	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	132121	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	106506	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	295382	20.00	ng	0.00
75) Chrysene-d12	22.59	240	309852	20.00	ng	0.00
86) Perylene-d12	26.40	264	318456	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	43817	25.96	ng	0.00
7) Phenol-d6	8.01	99	76119	26.25	ng	0.00
23) Nitrobenzene-d5	10.10	82	51181	17.80	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	42759	26.84	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	137146	18.59	ng	0.00
78) Terphenyl-d14	20.76	244	310776	21.45	ng	0.00

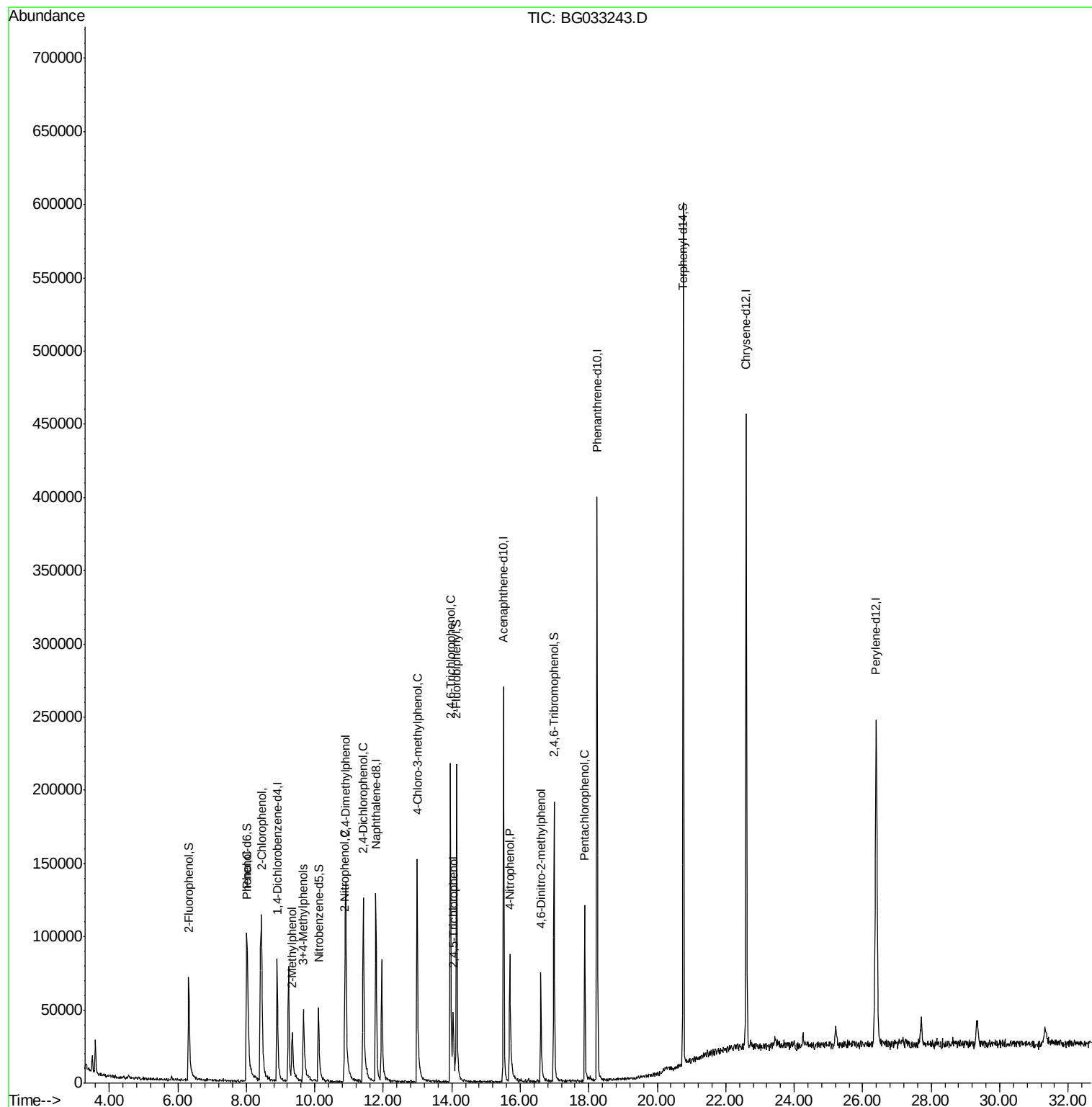
Target Compounds				Qvalue		
8) 2-Chlorophenol	8.45	128	54327	28.160	ng	92
10) Phenol	8.04	94	60919	21.279	ng	91
17) 2-Methylphenol	9.35	107	16824	8.627	ng	96
20) 3+4-Methylphenols	9.66	107	40213	14.482	ng	90
26) 2-Nitrophenol	10.88	139	21499	18.449	ng	# 90
27) 2,4-Dimethylphenol	10.90	122	47811	28.242	ng	83
29) 2,4-Dichlorophenol	11.41	162	63144	30.330	ng	94
36) 4-Chloro-3-methylphenol	12.99	107	79178	29.159	ng	90
42) 2,4,6-Trichlorophenol	13.96	196	68008	30.341	ng	95
43) 2,4,5-Trichlorophenol	14.04	196	21635	8.166	ng	87
55) 4-Nitrophenol	15.69	139	32552	23.298	ng	97
64) 4,6-Dinitro-2-methylphenol	16.60	198	23305	13.189	ng	97
69) Pentachlorophenol	17.88	266	26731	10.638	ng	94

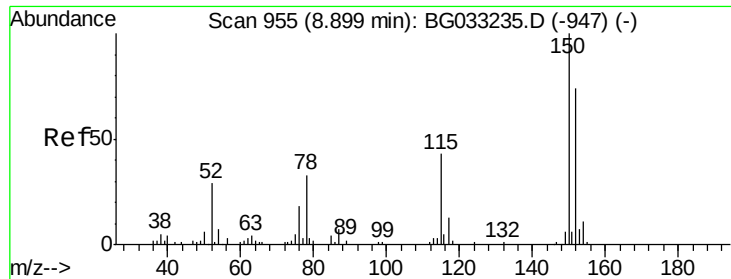
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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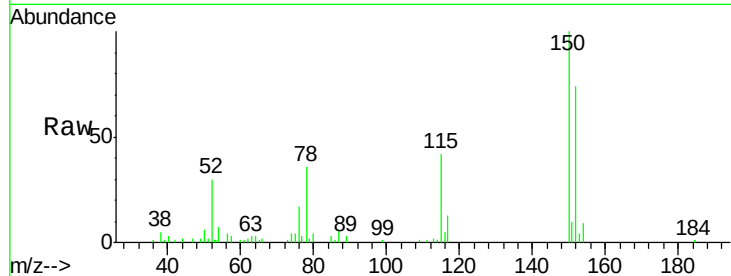


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.90 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: BG033243.D
 Acq: 19 Mar 2018 17:08

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion	152	Resp	31644
Ion Ratio	Lower	Upper	
152	100		
150	134.5	126.6	189.8
115	56.5	53.0	79.4

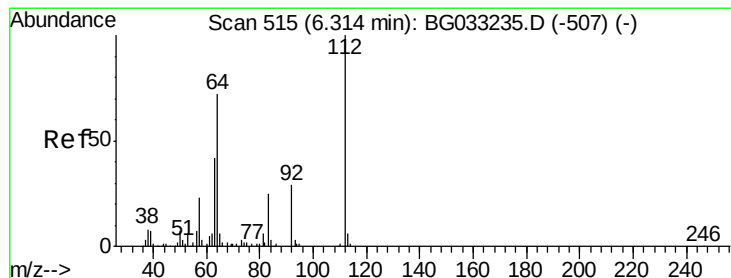
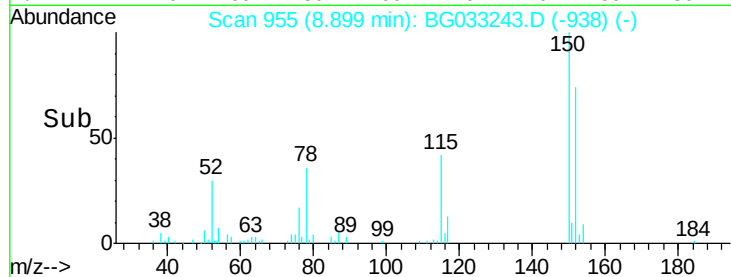
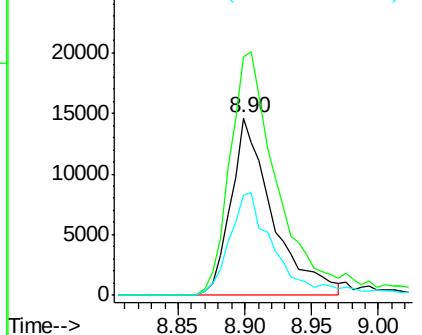


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

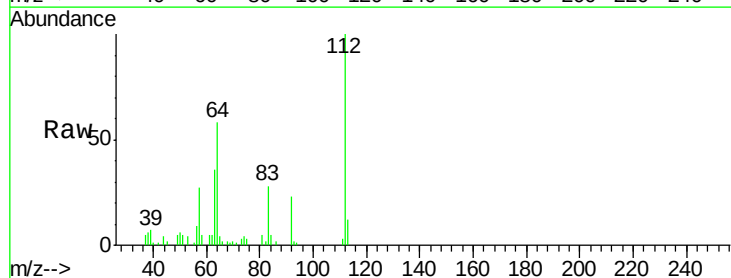
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 25.965 ng
 RT: 6.32 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: BG033243.D
 Acq: 19 Mar 2018 17:08

Tgt Ion	112	Resp	43817
Ion Ratio	Lower	Upper	
112	100		
64	58.1	56.3	84.5
63	36.3	30.1	45.1

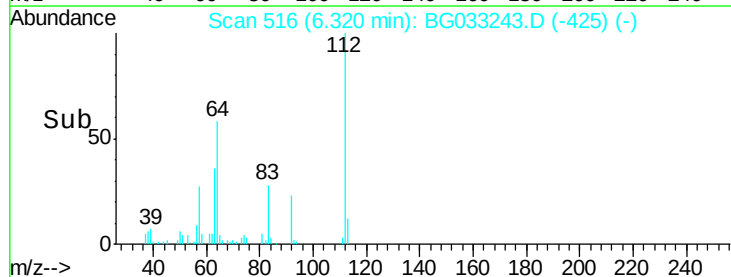
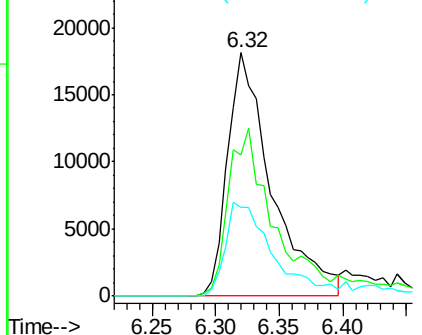


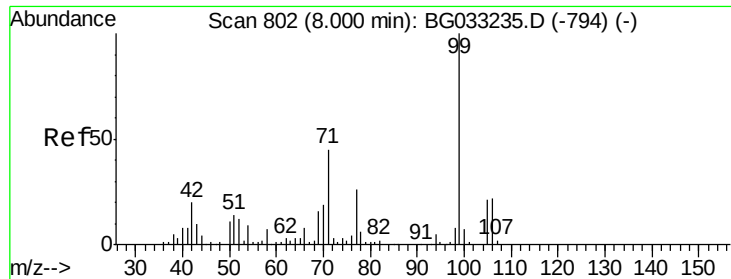
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 26.252 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.01 min

Lab File: BG033243.D

Acq: 19 Mar 2018 17:08

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

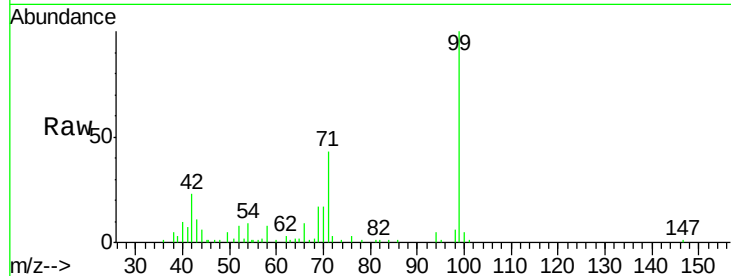
Tot Ion: 99 Resp: 76119

Ion Ratio Lower Upper

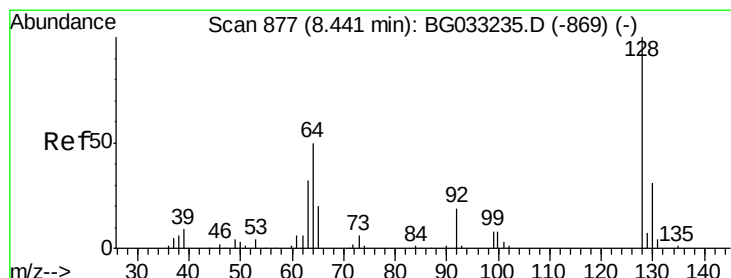
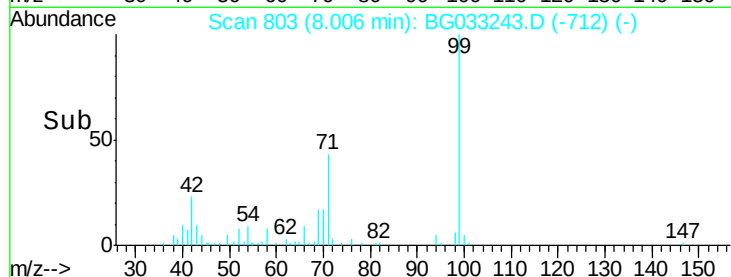
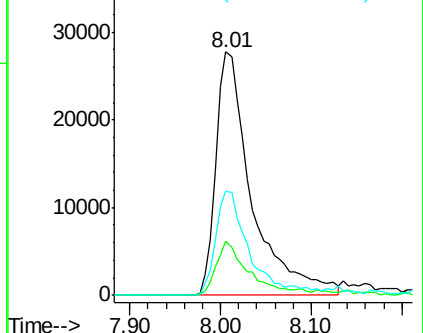
99 100

42 22.5 14.1 21.1#

71 42.7 26.1 39.1#



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



#8

2-Chlorophenol

Concen: 28.160 ng

RT: 8.45 min Scan# 878

Delta R.T. 0.01 min

Lab File: BG033243.D

Acq: 19 Mar 2018 17:08

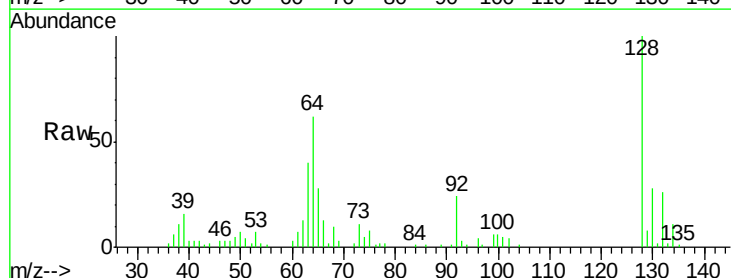
Tgt Ion: 128 Resp: 54327

Ion Ratio Lower Upper

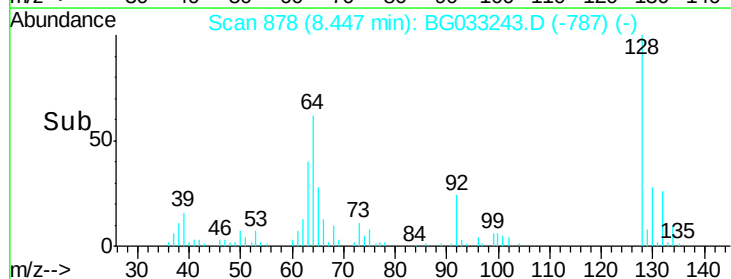
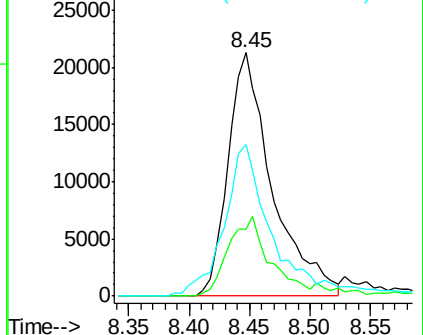
128 100

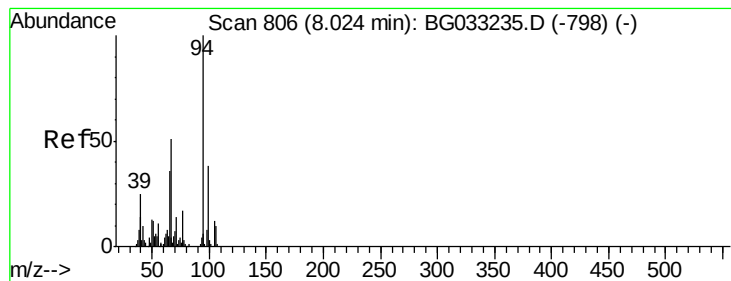
130 27.7 14.0 54.0

64 62.3 37.7 77.7



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#10

Phenol

Concen: 21.279 ng

RT: 8.04 min Scan# 808

Delta R.T. 0.01 min

Lab File: BG033243.D

Acq: 19 Mar 2018 17:08

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

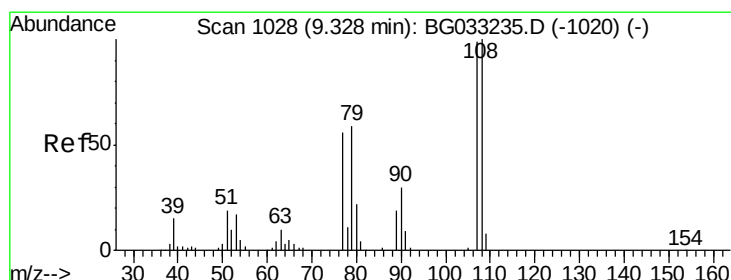
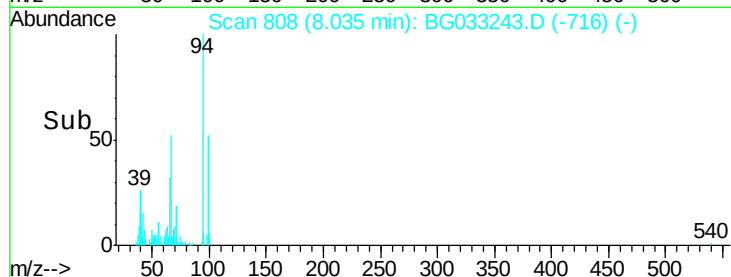
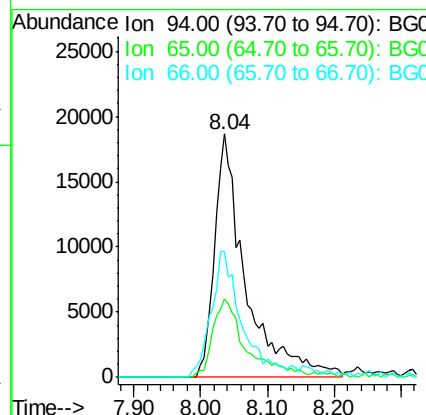
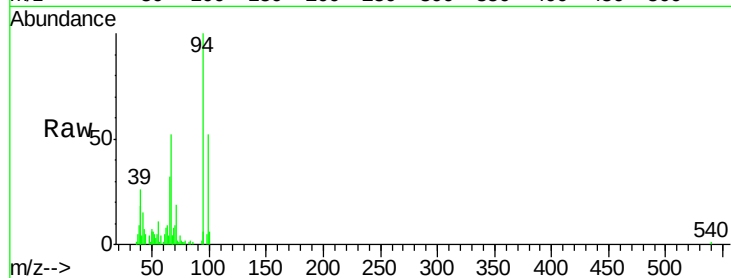
Tot Ion: 94 Resp: 60919

Ion Ratio Lower Upper

94 100

65 32.1 11.9 51.9

66 51.7 22.2 62.2



#17

2-Methylphenol

Concen: 8.627 ng

RT: 9.35 min Scan# 1032

Delta R.T. 0.02 min

Lab File: BG033243.D

Acq: 19 Mar 2018 17:08

Tgt Ion: 107 Resp: 16824

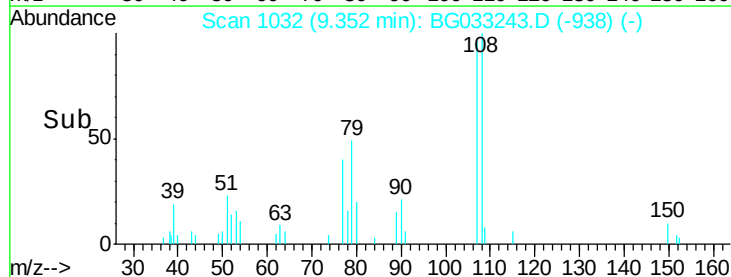
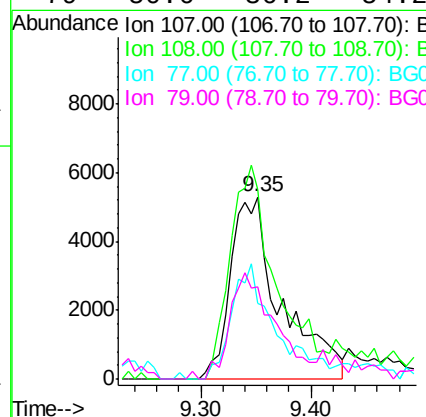
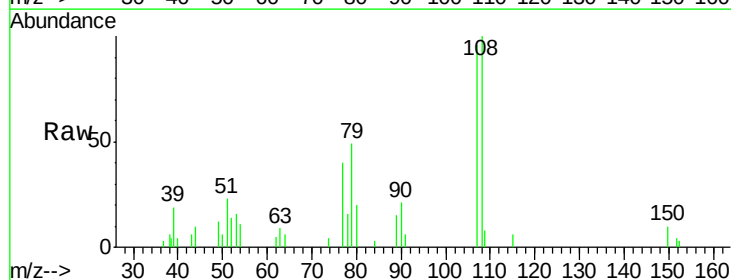
Ion Ratio Lower Upper

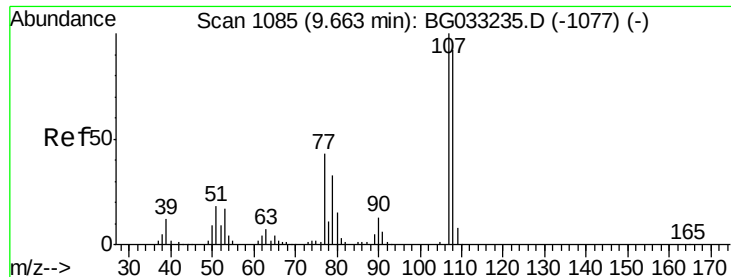
107 100

108 104.1 83.9 125.9

77 41.2 37.2 55.8

79 50.6 36.2 54.2

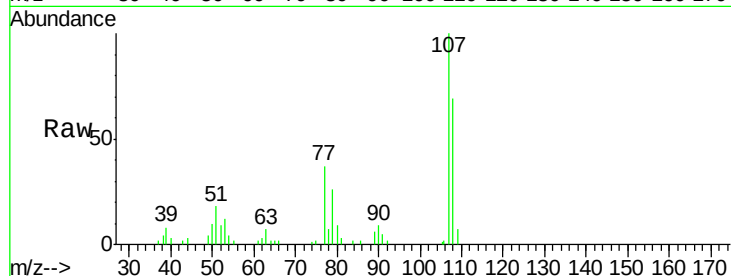




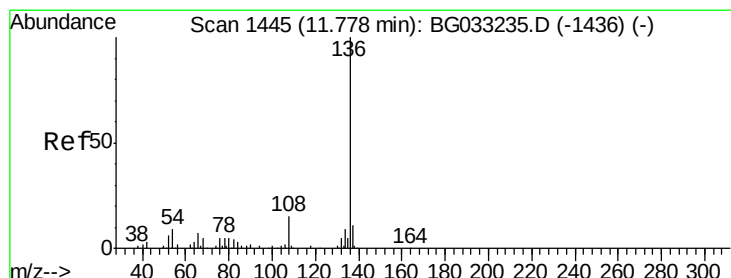
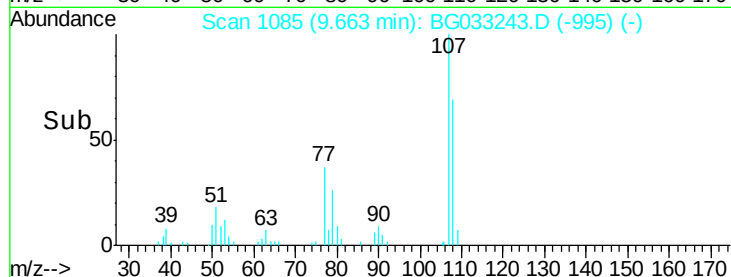
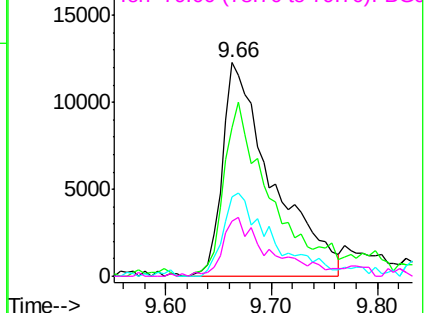
#20
3+4-Methylphenols
Concen: 14.482 ng
RT: 9.66 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion:	107	Resp:	40213
Ion	Ratio	Lower	Upper
107	100		
108	69.5	61.6	101.6
77	37.0	13.9	53.9
79	25.8	8.8	48.8

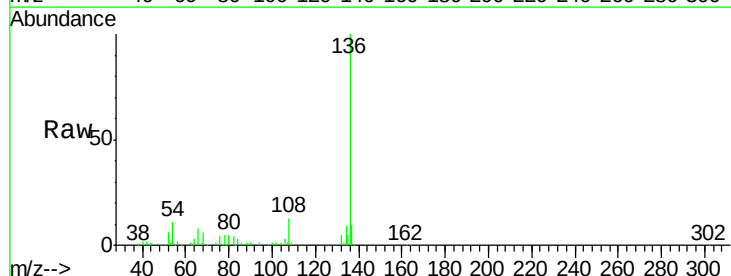


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

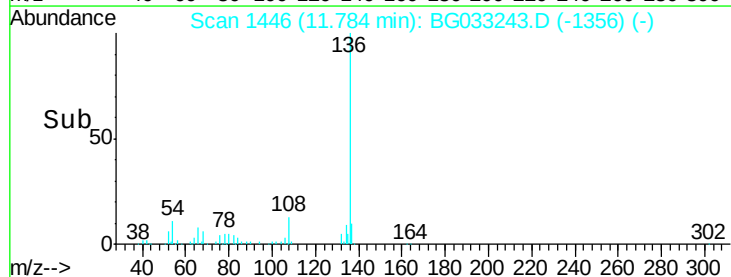
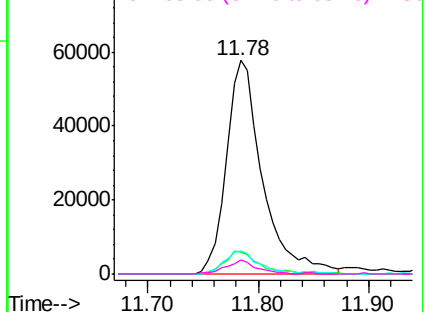


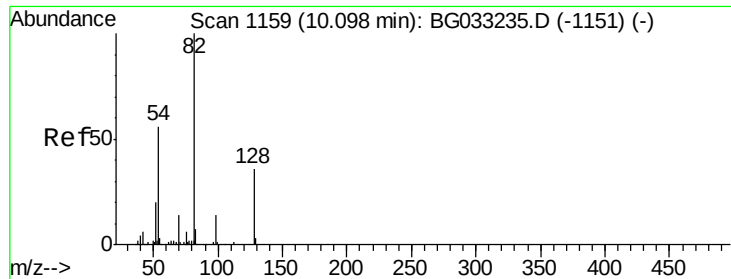
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

Tgt Ion:	136	Resp:	132121
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	10.5	10.3	15.5
68	6.5	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

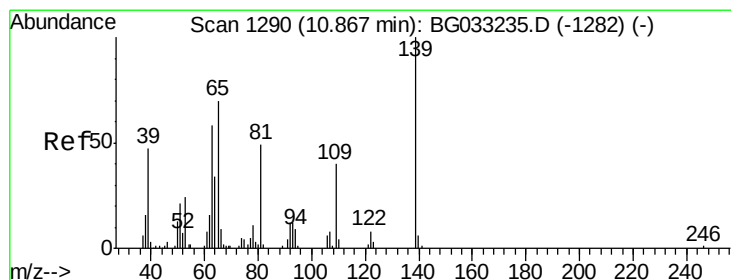
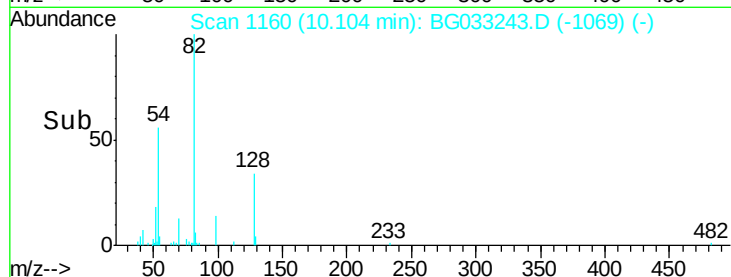
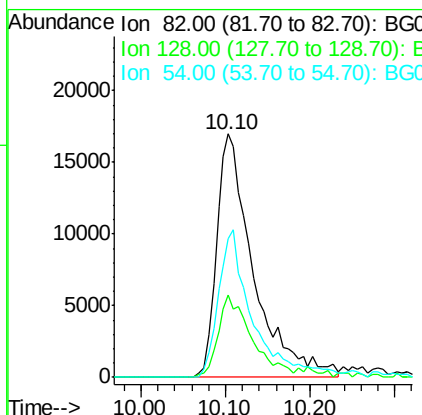
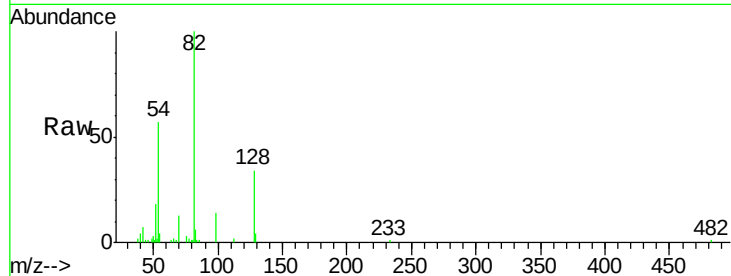




#23
Nitrobenzene-d5
Concen: 17.798 ng
RT: 10.10 min Scan# 1160
Delta R.T. 0.01 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

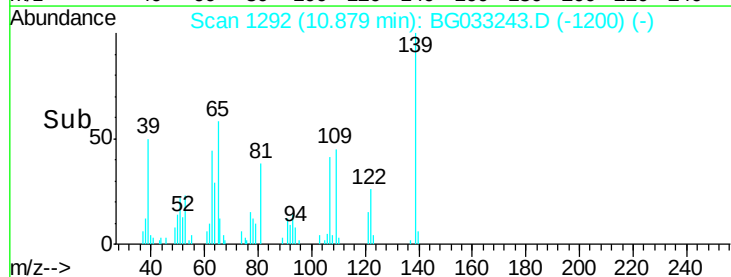
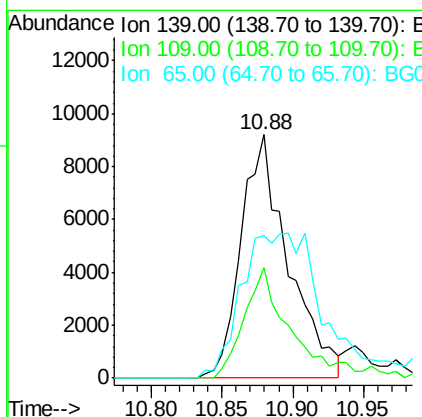
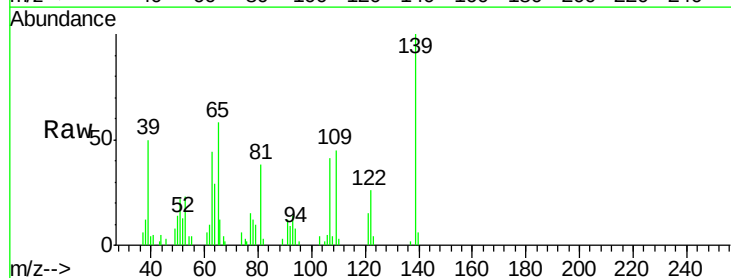
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

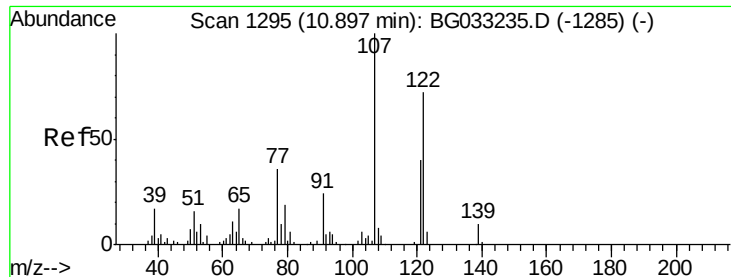
Tot Ion	82	Resp	51181
Ion Ratio	Lower	Upper	
82	100		
128	33.8	29.7	44.5
54	56.9	43.1	64.7



#26
2-Nitrophenol
Concen: 18.449 ng
RT: 10.88 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

Tgt Ion	139	Resp	21499
Ion Ratio	Lower	Upper	
139	100		
109	45.5	24.2	36.2#
65	58.3	47.4	71.0

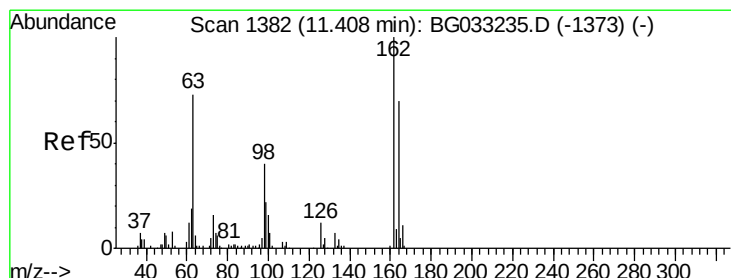
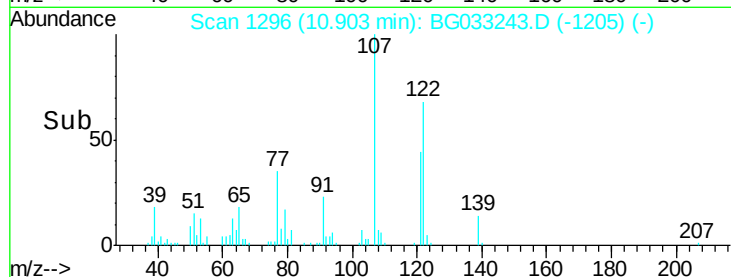
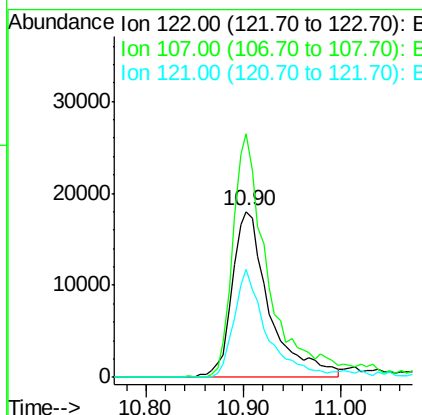
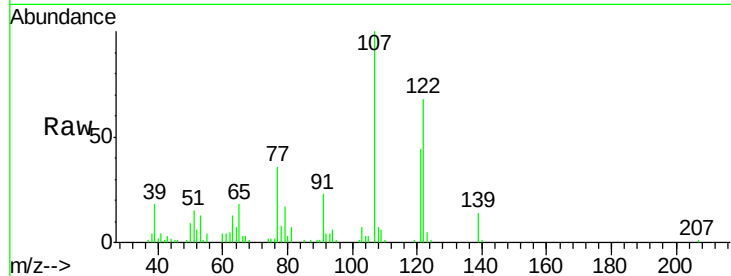




#27
2,4-Dimethylphenol
Concen: 28.242 ng
RT: 10.90 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

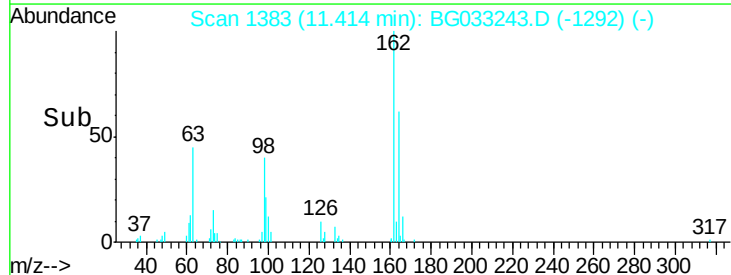
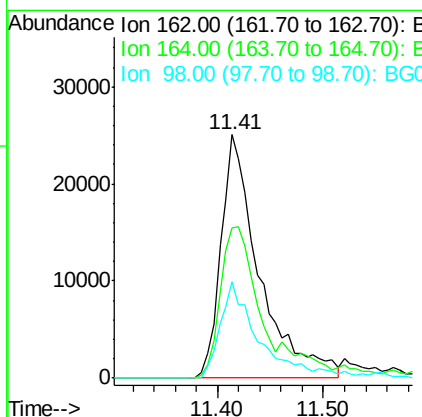
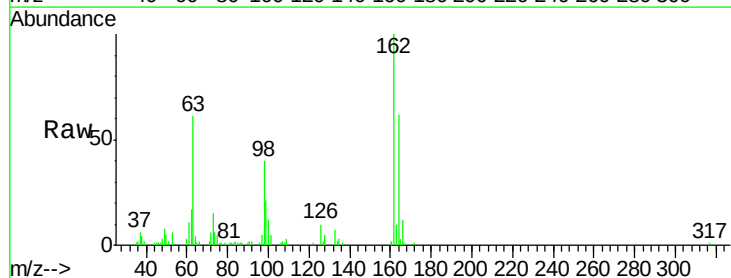
Instrument :
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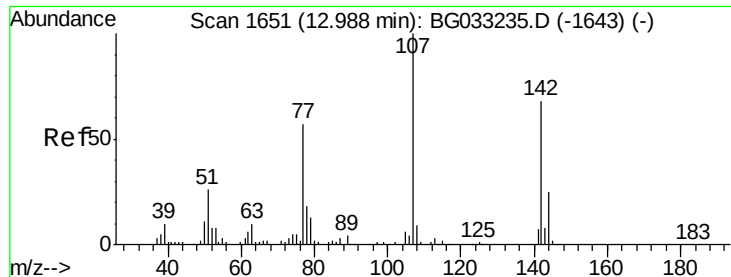
Tot Ion:122 Resp: 47811
Ion Ratio Lower Upper
122 100
107 146.8 100.2 150.2
121 65.2 44.4 66.6



#29
2,4-Dichlorophenol
Concen: 30.330 ng
RT: 11.41 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

Tgt Ion:162 Resp: 63144
Ion Ratio Lower Upper
162 100
164 61.9 48.0 88.0
98 39.7 21.1 61.1

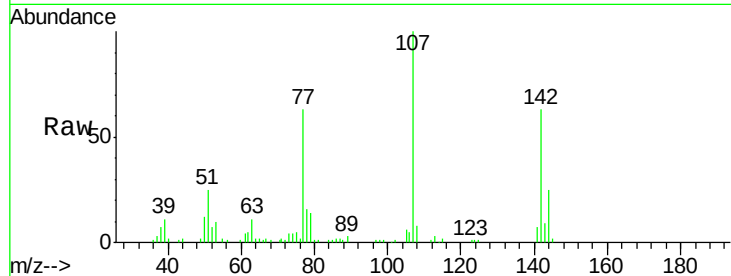




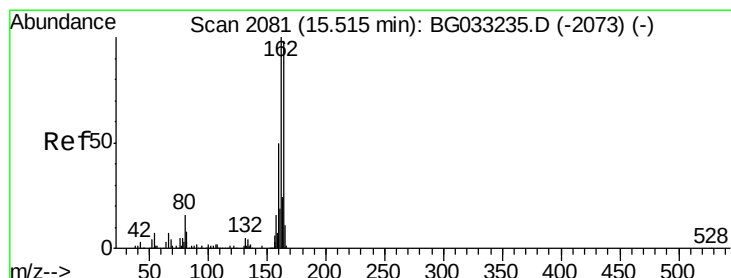
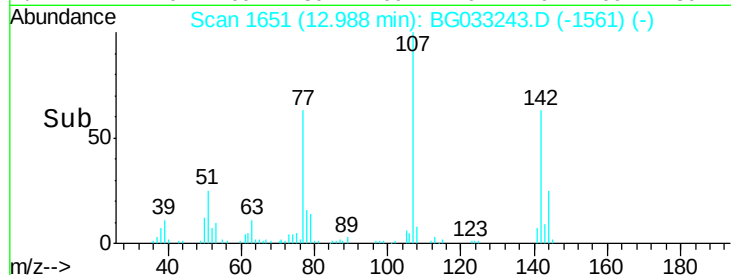
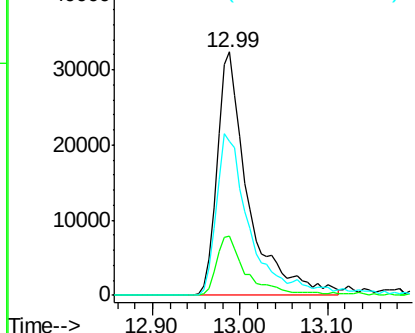
#36
4-Chloro-3-methylphenol
Concen: 29.159 ng
RT: 12.99 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion:107 Resp: 79178
Ion Ratio Lower Upper
107 100
144 24.6 18.2 27.4
142 63.4 59.0 88.4

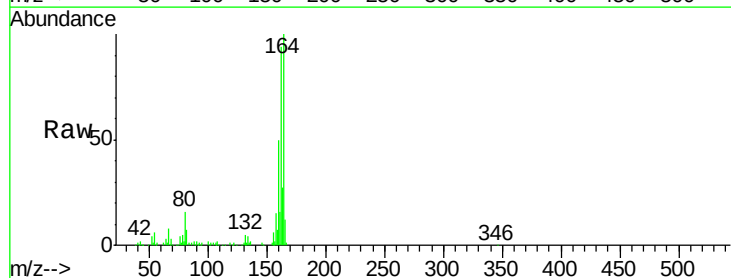


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

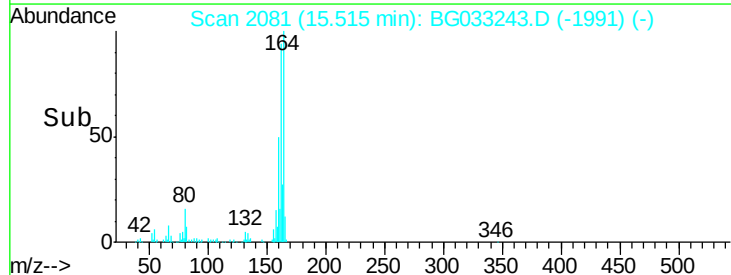
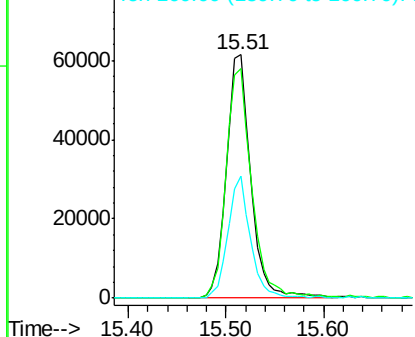


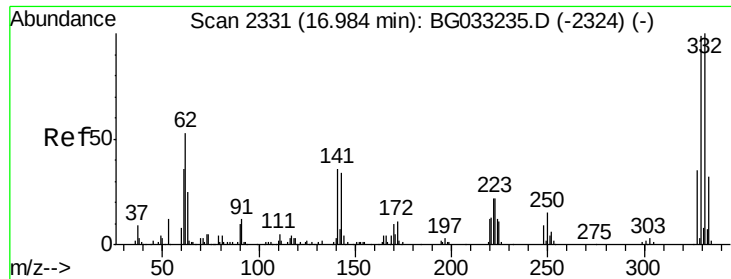
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

Tgt Ion:164 Resp: 106506
Ion Ratio Lower Upper
164 100
162 94.4 78.8 118.2
160 50.3 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

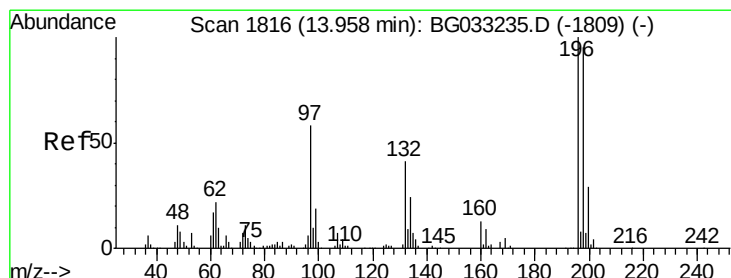
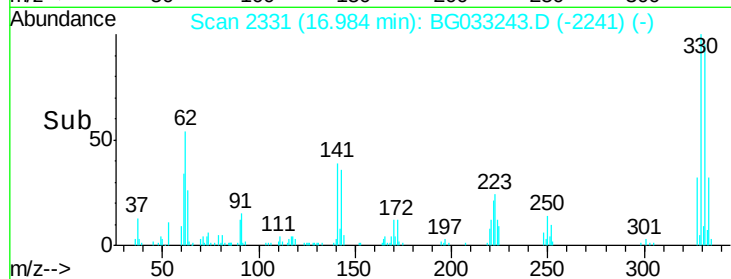
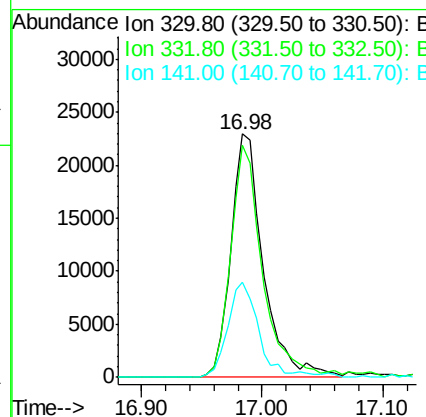
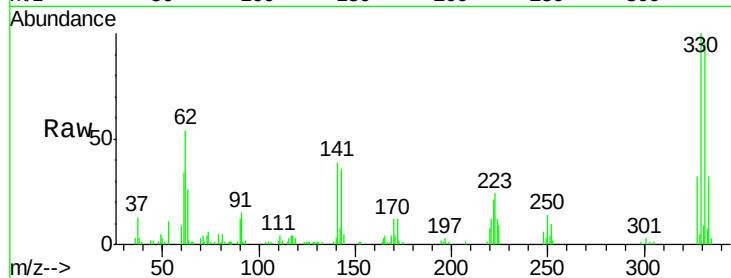




#41
 2,4,6-Tribromophenol
 Concen: 26.843 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: BG033243.D
 Acq: 19 Mar 2018 17:08

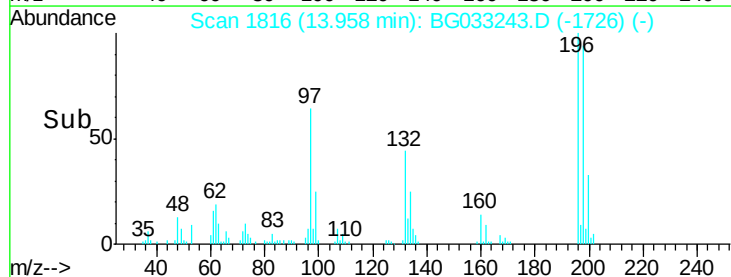
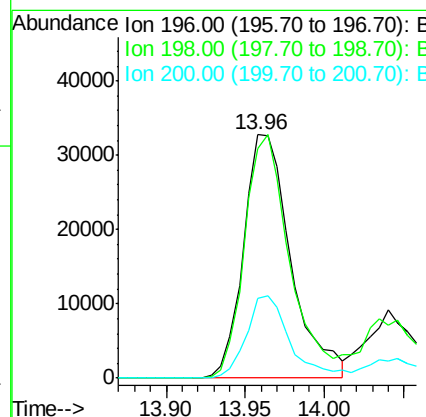
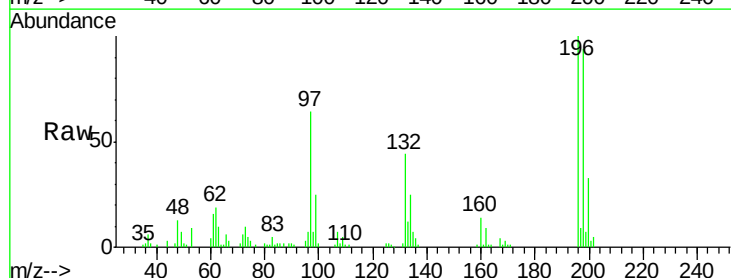
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

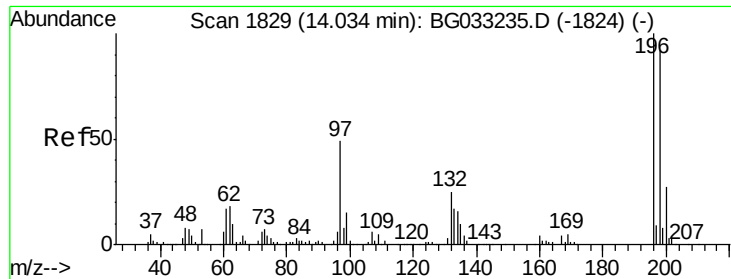
Tot Ion:330 Resp: 42759
 Ion Ratio Lower Upper
 330 100
 332 93.0 77.0 115.6
 141 36.2 25.2 37.8



#42
 2,4,6-Trichlorophenol
 Concen: 30.341 ng
 RT: 13.96 min Scan# 1816
 Delta R.T. 0.00 min
 Lab File: BG033243.D
 Acq: 19 Mar 2018 17:08

Tgt Ion:196 Resp: 68008
 Ion Ratio Lower Upper
 196 100
 198 94.4 78.2 117.2
 200 35.7 24.6 36.8

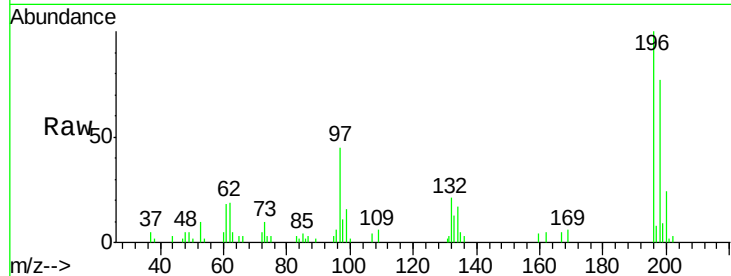




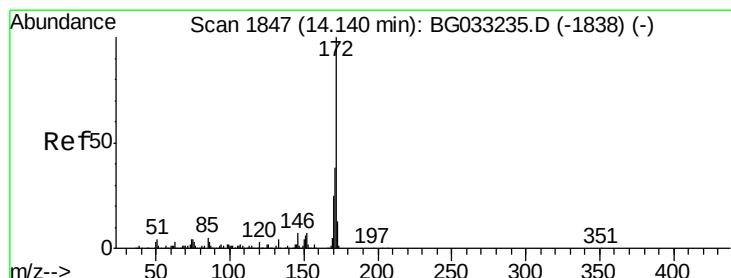
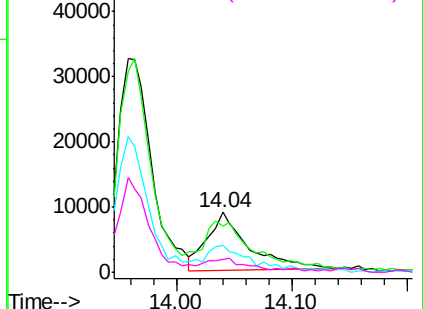
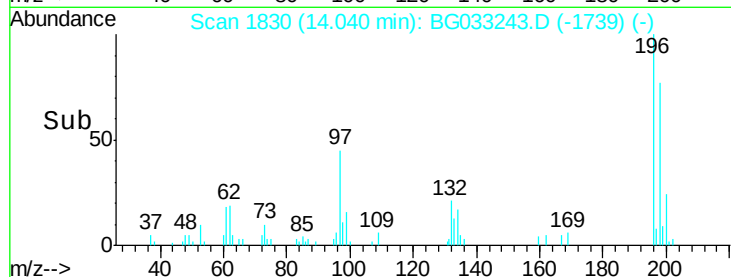
#43
 2,4,5-Trichlorophenol
 Concen: 8.166 ng
 RT: 14.04 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: BG033243.D
 Acq: 19 Mar 2018 17:08

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion:196 Resp: 21635
 Ion Ratio Lower Upper
 196 100
 198 77.2 76.2 114.4
 97 45.3 38.7 58.1
 132 21.0 20.2 30.2

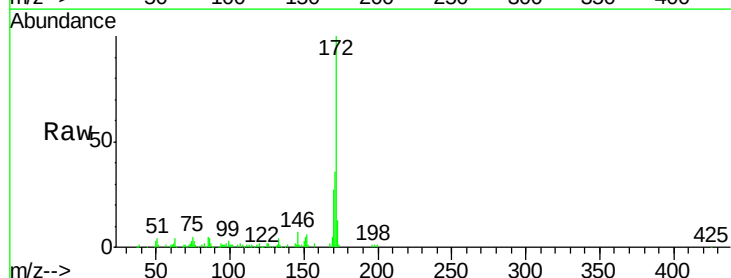


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

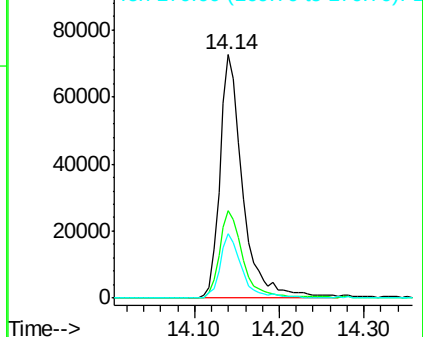
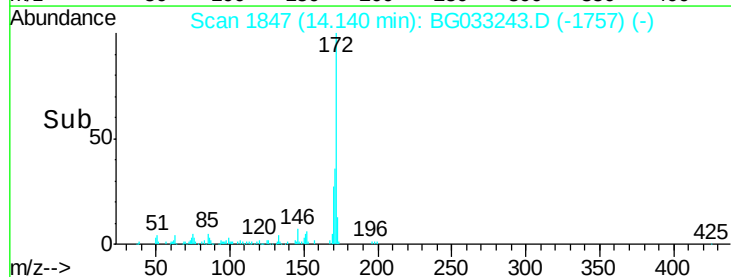


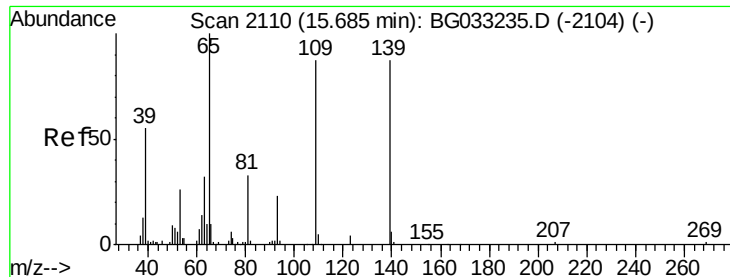
#44
 2-Fluorobiphenyl
 Concen: 18.589 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BG033243.D
 Acq: 19 Mar 2018 17:08

Tgt Ion:172 Resp: 137146
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.0 45.0
 170 26.5 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

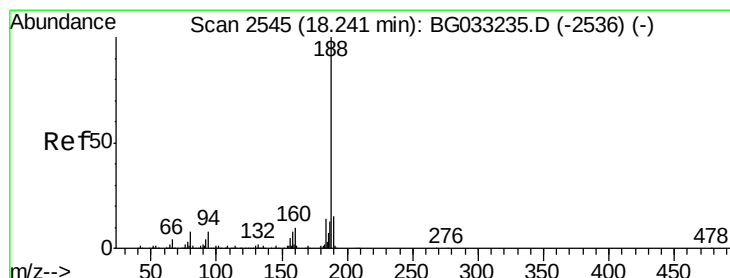
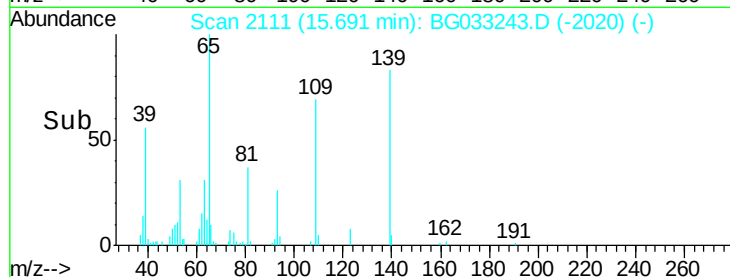
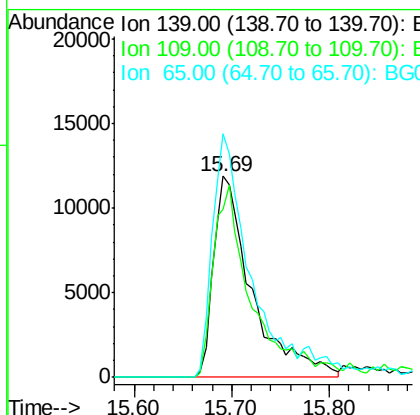
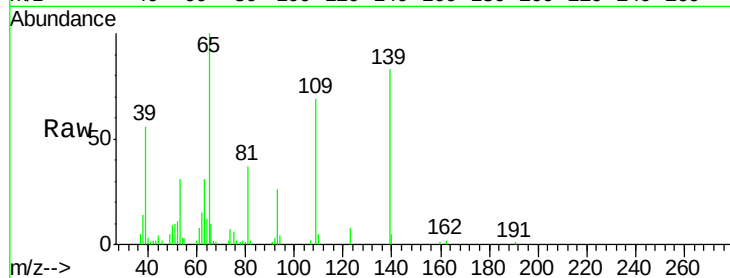




#55
4-Nitrophenol
Concen: 23.298 ng
RT: 15.69 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

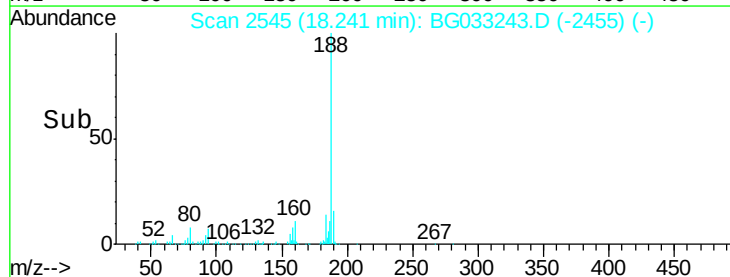
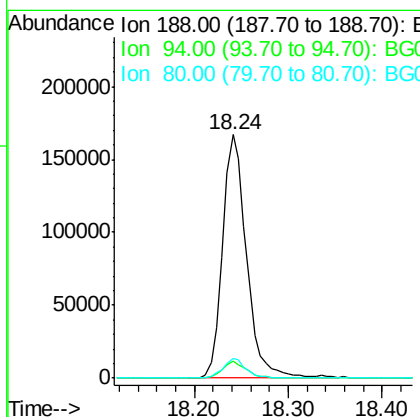
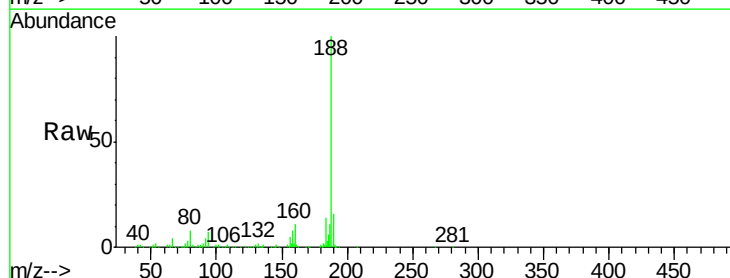
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

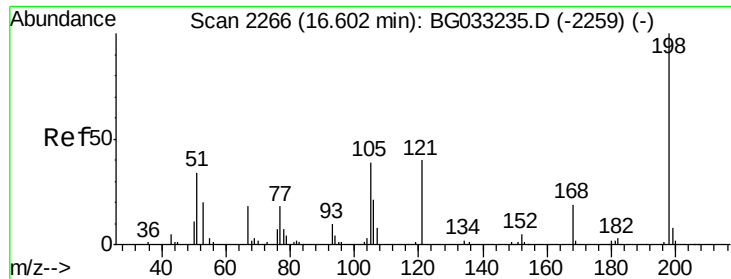
Tot Ion:139 Resp: 32552
Ion Ratio Lower Upper
139 100
109 83.7 62.2 102.2
65 121.0 97.2 137.2



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. 0.00 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

Tgt Ion:188 Resp: 295382
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 8.1 7.7 11.5

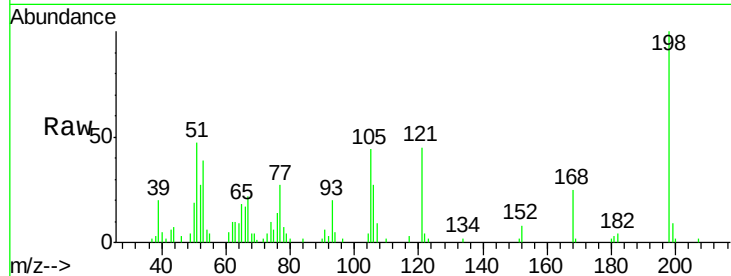




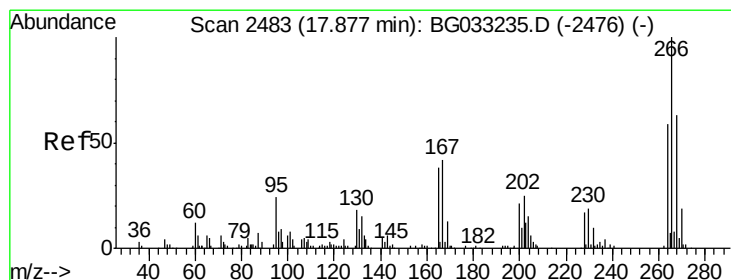
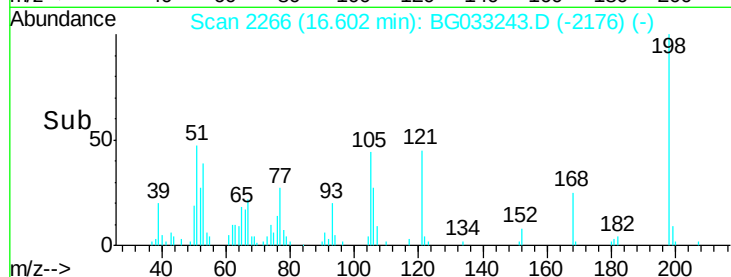
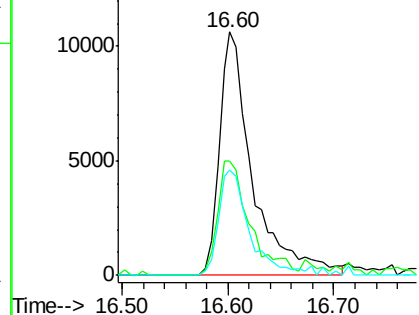
#64
 4,6-Dinitro-2-methylphenol
 Concen: 13.189 ng
 RT: 16.60 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: BG033243.D
 Acq: 19 Mar 2018 17:08

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WPDL

Tot Ion:198 Resp: 23305
 Ion Ratio Lower Upper
 198 100
 51 46.9 30.6 70.6
 105 43.5 23.8 63.8

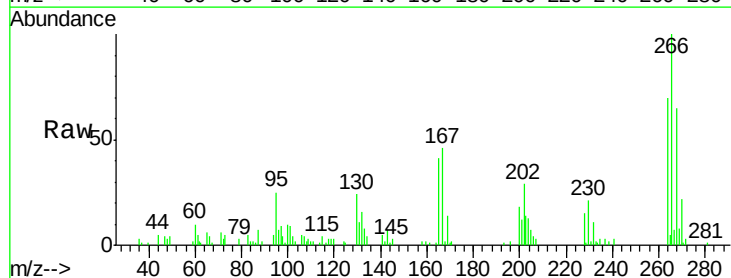


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

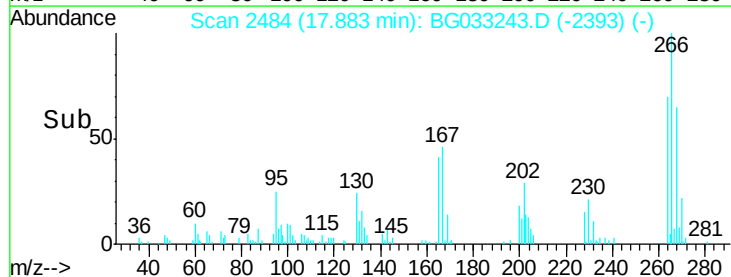
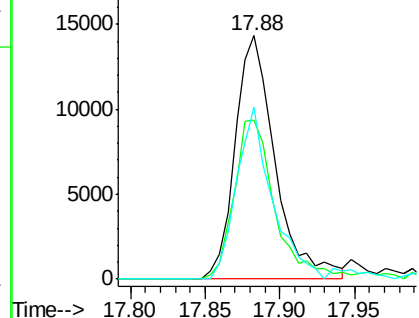


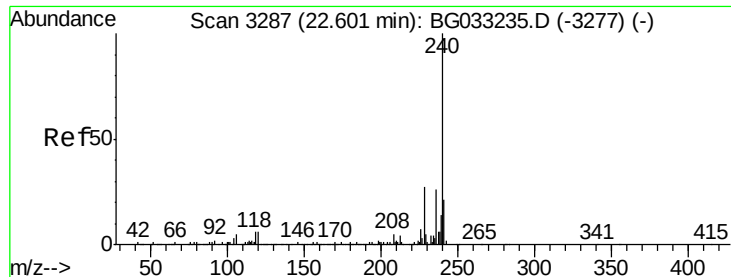
#69
 Pentachlorophenol
 Concen: 10.638 ng
 RT: 17.88 min Scan# 2484
 Delta R.T. 0.01 min
 Lab File: BG033243.D
 Acq: 19 Mar 2018 17:08

Tgt Ion:266 Resp: 26731
 Ion Ratio Lower Upper
 266 100
 268 65.4 51.1 76.7
 264 70.4 49.6 74.4



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.59 min Scan# 3286

Delta R.T. -0.01 min

Lab File: BG033243.D

Acq: 19 Mar 2018 17:08

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WPDL

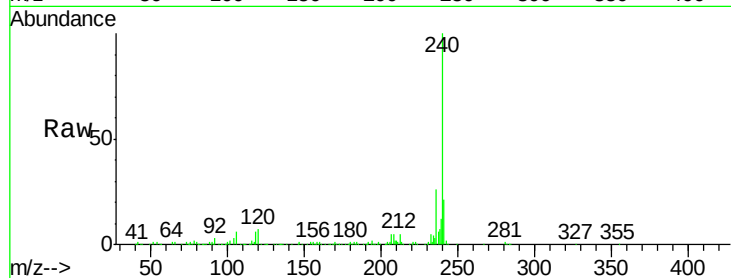
Tot Ion:240 Resp: 309852

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

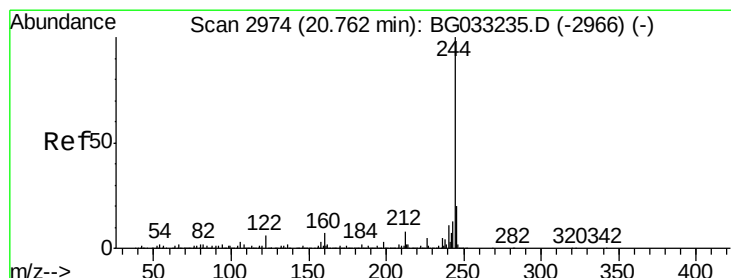
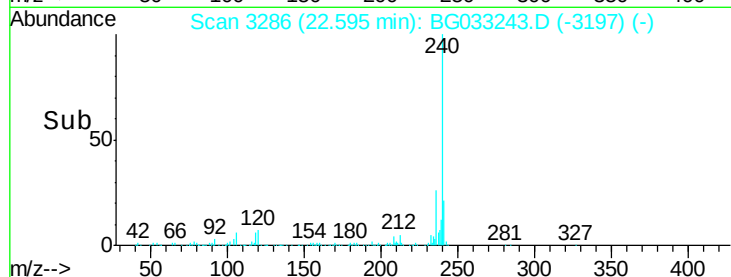
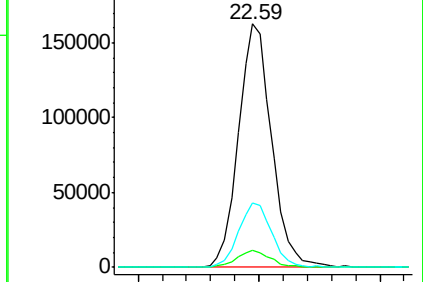
236 26.5 20.9 31.3



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



#78

Terphenyl-d14

Concen: 21.450 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BG033243.D

Acq: 19 Mar 2018 17:08

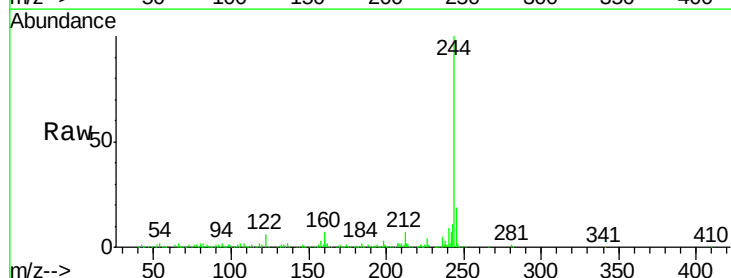
Tgt Ion:244 Resp: 310776

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

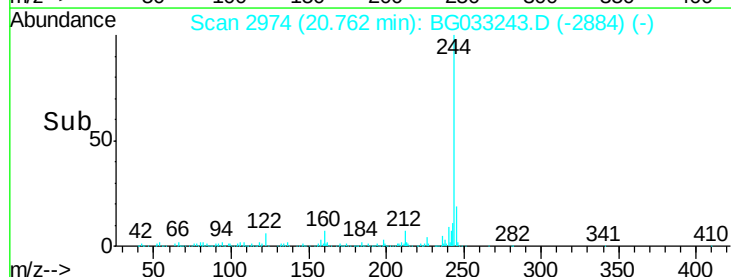
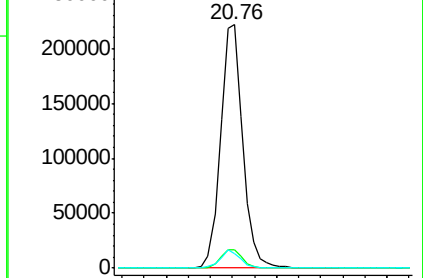
122 6.2 7.0 10.4#

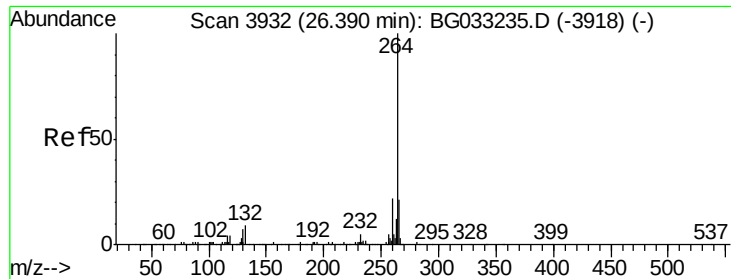


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3933
Delta R.T. 0.00 min
Lab File: BG033243.D
Acq: 19 Mar 2018 17:08

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WPDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	22.2	17.7	26.5

