

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092118\
 Data File : BG036856.D
 Acq On : 21 Sep 2018 12:56
 Operator : JU/SJ
 Sample : J4870-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Sep 21 14:33:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

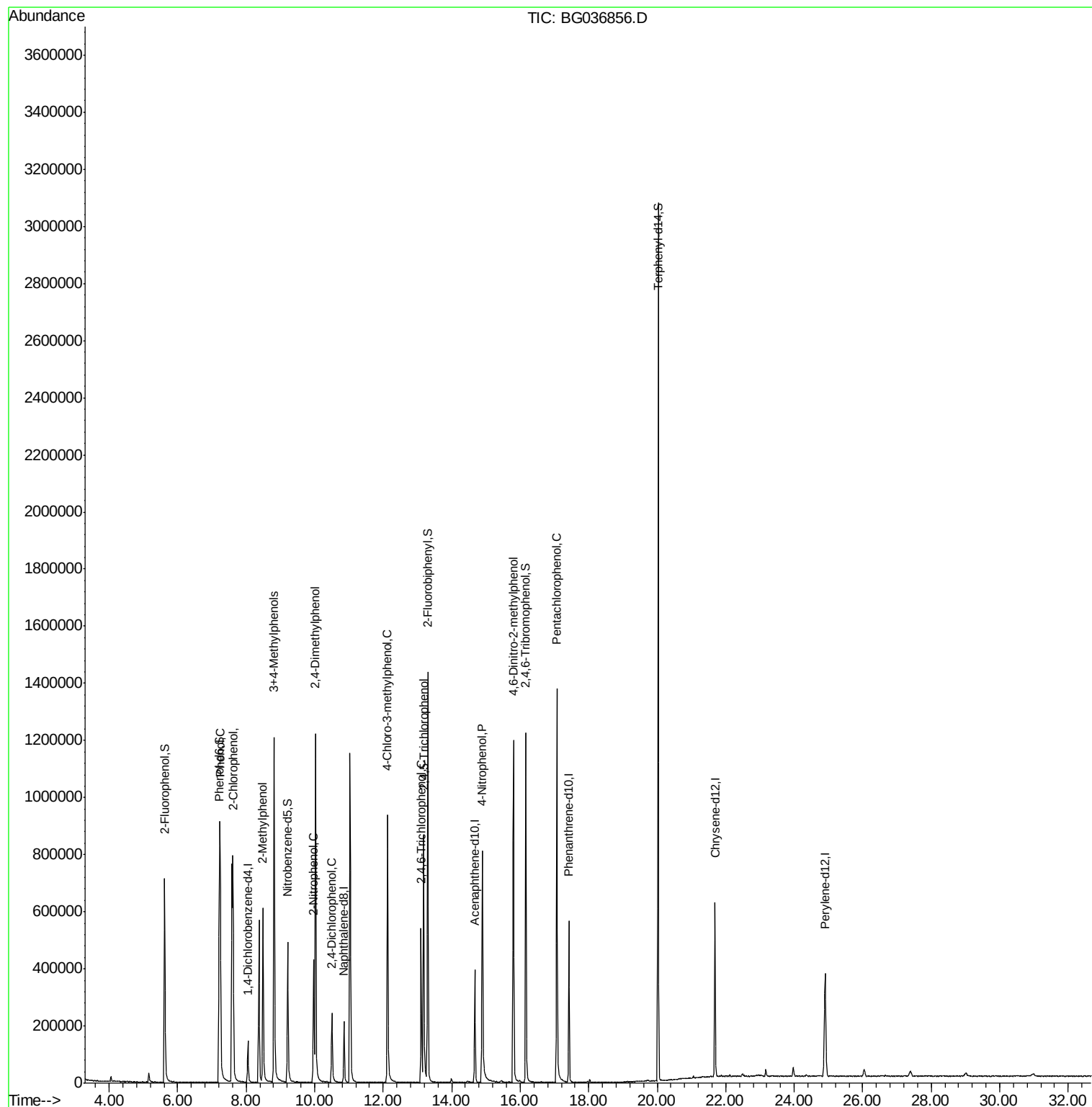
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	45060	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	205901	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	145838	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	375575	20.00	ng	0.00
75) Chrysene-d12	21.69	240	399797	20.00	ng	0.00
86) Perylene-d12	24.90	264	392099	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	348272	148.23	ng	0.00
7) Phenol-d6	7.21	99	524010	144.15	ng	0.00
23) Nitrobenzene-d5	9.21	82	332727	86.54	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	239625	137.33	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	796918	81.39	ng	0.00
78) Terphenyl-d14	20.03	244	1475873	97.07	ng	0.00
Target Compounds						
8) 2-Chlorophenol	7.61	128	343290	125.832	ng	95
10) Phenol	7.24	94	488460	130.196	ng	96
17) 2-Methylphenol	8.49	107	211715	81.013	ng	98
20) 3+4-Methylphenols	8.81	107	628356	172.835	ng	93
26) 2-Nitrophenol	9.96	139	146432	89.471	ng	97
27) 2,4-Dimethylphenol	10.02	122	399304	156.626	ng	96
29) 2,4-Dichlorophenol	10.50	162	109059	36.902	ng	91
36) 4-Chloro-3-methylphenol	12.13	107	381884	108.295	ng	98
42) 2,4,6-Trichlorophenol	13.11	196	147485	52.215	ng	98
43) 2,4,5-Trichlorophenol	13.18	196	289235	96.031	ng	99
55) 4-Nitrophenol	14.89	139	259948	150.767	ng	97
64) 4,6-Dinitro-2-methylphenol	15.80	198	324951	165.490	ng	97
69) Pentachlorophenol	17.07	266	305301	110.211	ng	99

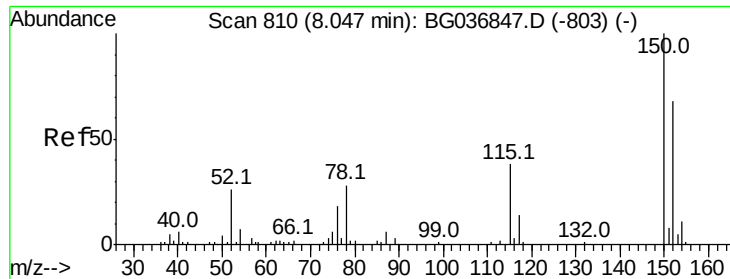
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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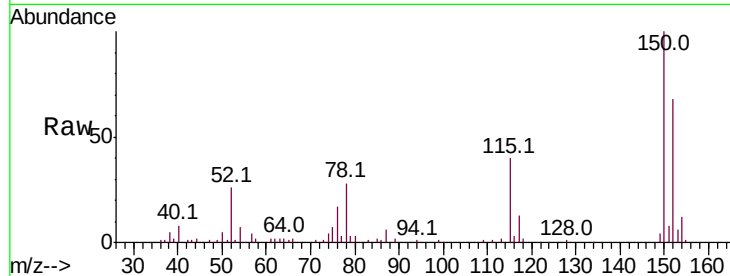


#1

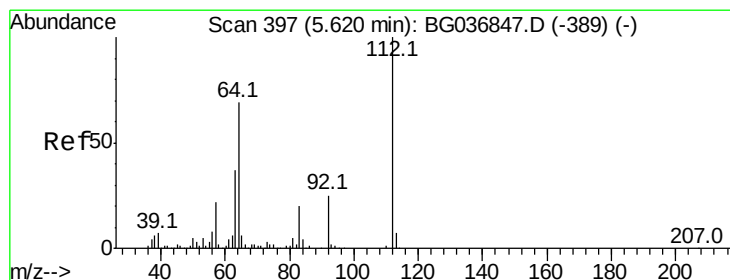
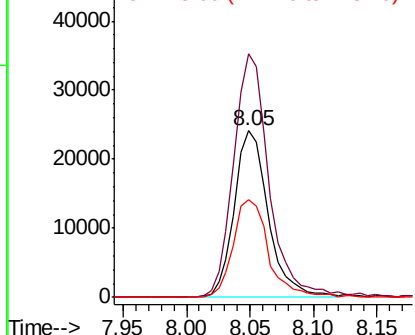
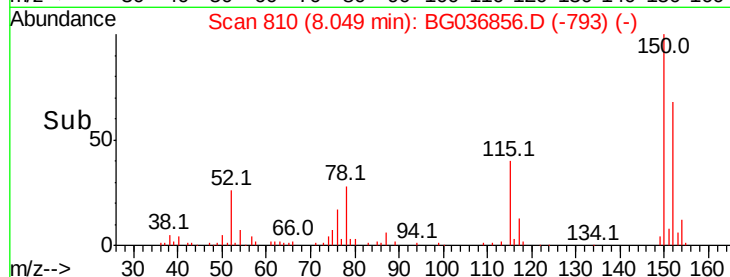
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion:152 Resp: 45060
Ion Ratio Lower Upper
152 100
150 146.4 119.5 179.3
115 59.0 44.5 66.7



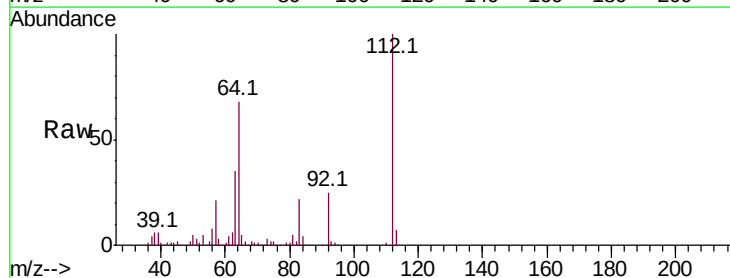
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



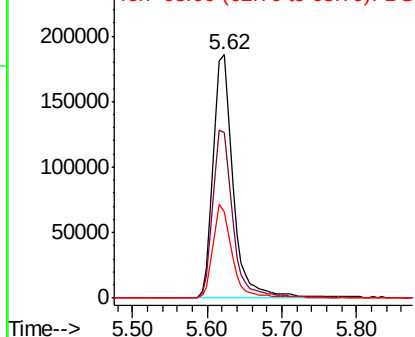
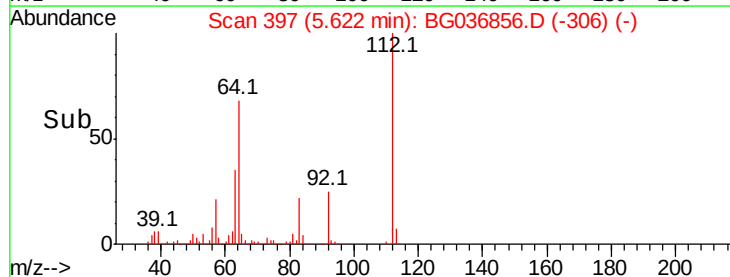
#5

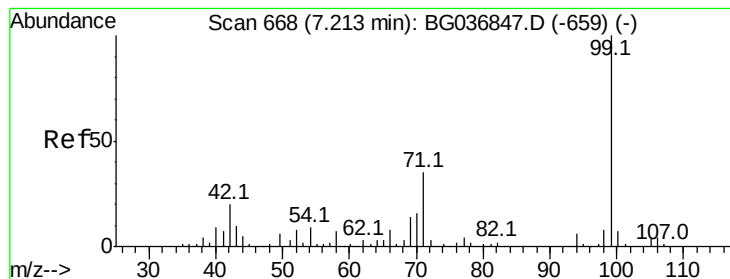
2-Fluorophenol
Concen: 148.227 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

Tgt Ion:112 Resp: 348272
Ion Ratio Lower Upper
112 100
64 67.7 57.2 85.8
63 35.4 30.8 46.2



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: 144.148 ng

RT: 7.21 min Scan# 668

Delta R.T. 0.00 min

Lab File: BG036856.D

Acq: 21 Sep 2018 12:56

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

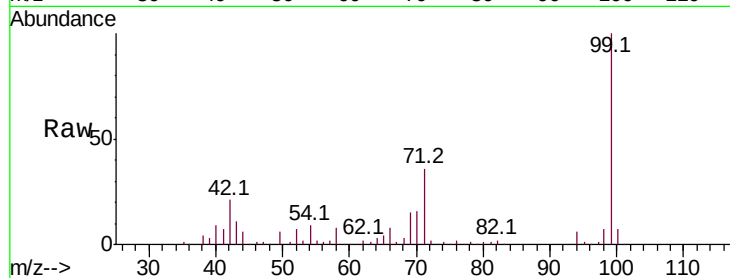
Tot Ion: 99 Resp: 524010

Ion Ratio Lower Upper

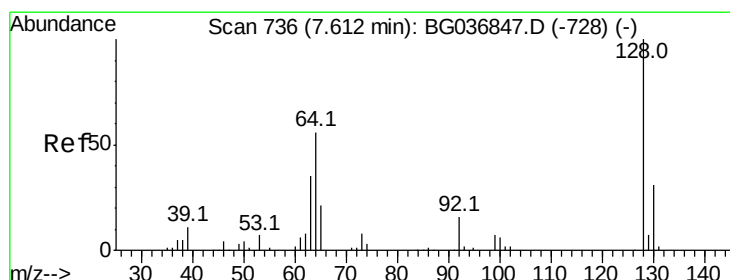
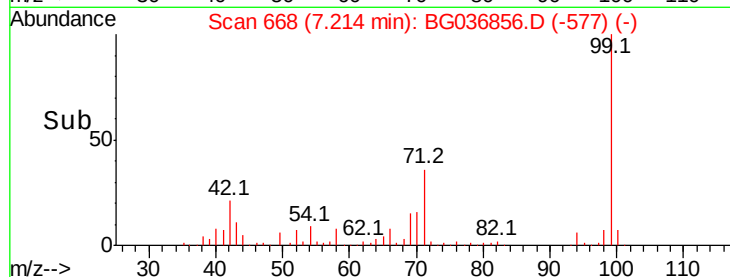
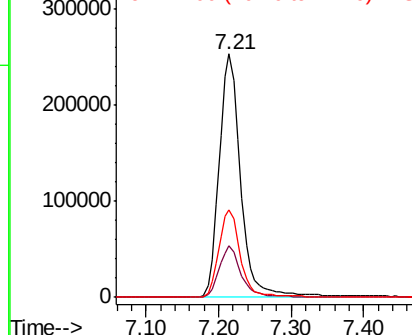
99 100

42 21.2 16.5 24.7

71 36.0 29.4 44.2



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: 125.832 ng

RT: 7.61 min Scan# 736

Delta R.T. 0.00 min

Lab File: BG036856.D

Acq: 21 Sep 2018 12:56

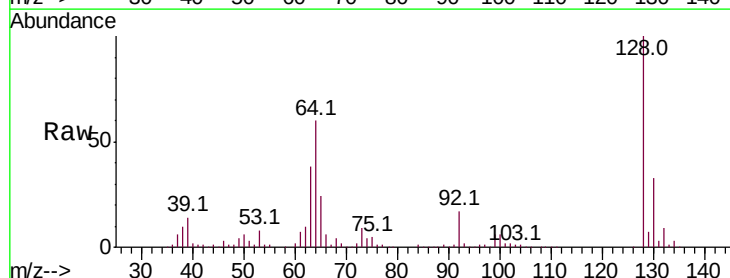
Tgt Ion:128 Resp: 343290

Ion Ratio Lower Upper

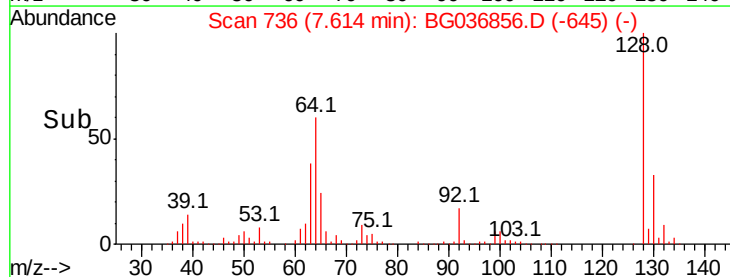
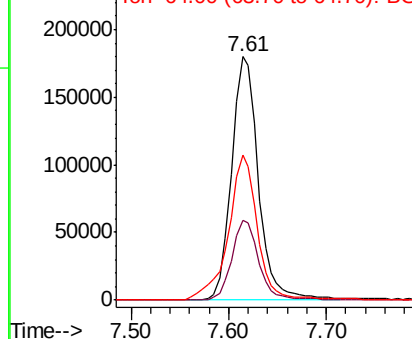
128 100

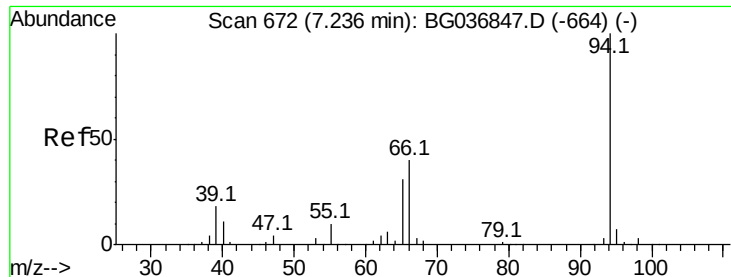
130 32.6 10.0 50.0

64 59.6 36.0 76.0



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





#10

Phenol

Concen: 130.196 ng

RT: 7.24 min Scan# 673

Delta R.T. 0.01 min

Lab File: BG036856.D

Acq: 21 Sep 2018 12:56

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

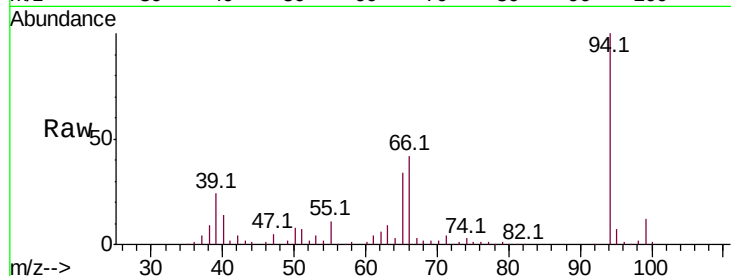
Tot Ion: 94 Resp: 488460

Ion Ratio Lower Upper

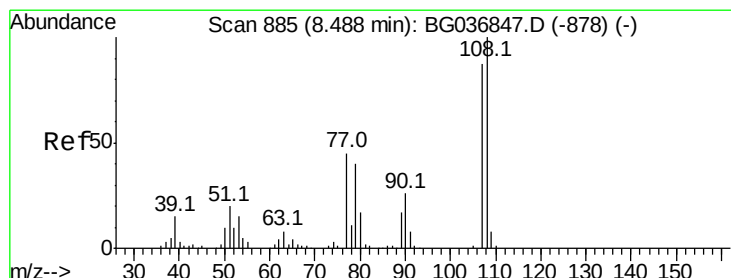
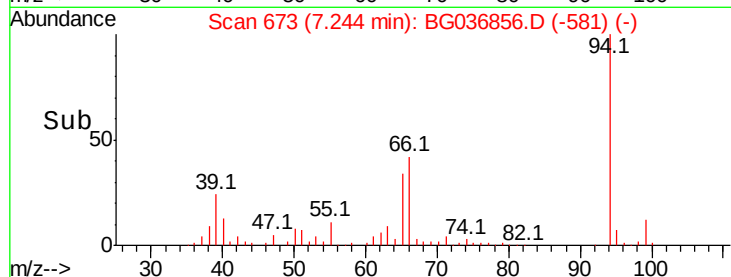
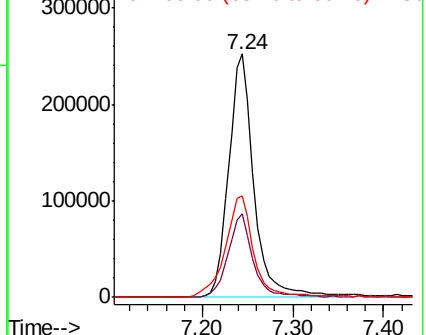
94 100

65 34.3 11.5 51.5

66 41.9 19.5 59.5



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



#17

2-Methylphenol

Concen: 81.013 ng

RT: 8.49 min Scan# 885

Delta R.T. 0.00 min

Lab File: BG036856.D

Acq: 21 Sep 2018 12:56

Tgt Ion:107 Resp: 211715

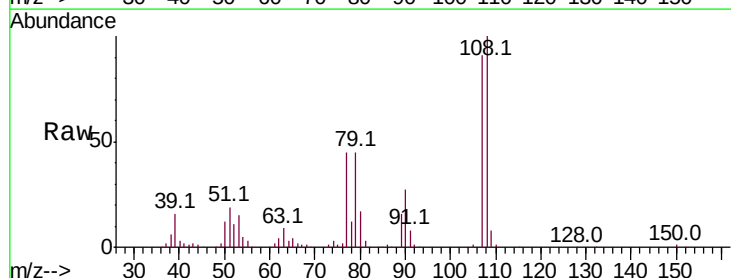
Ion Ratio Lower Upper

107 100

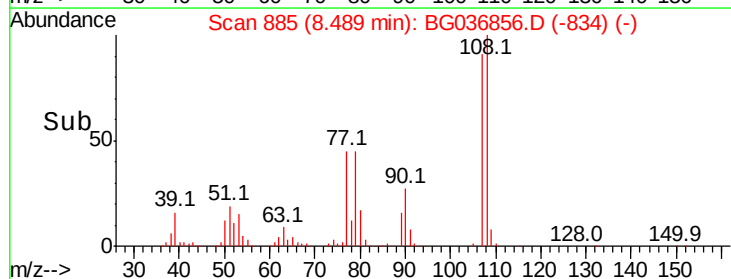
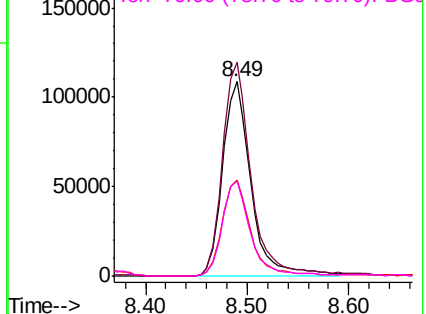
108 110.0 86.7 130.1

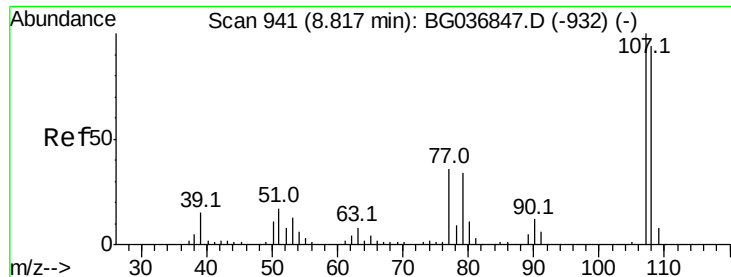
77 49.4 39.0 58.4

79 48.9 36.6 54.8



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

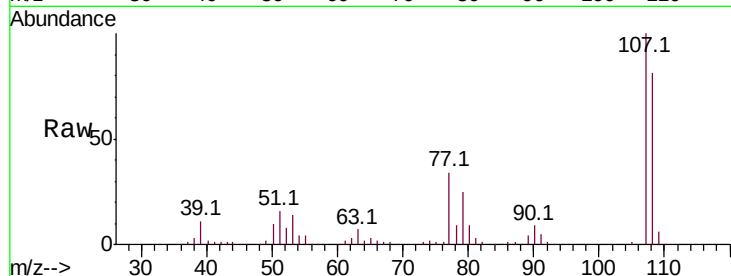




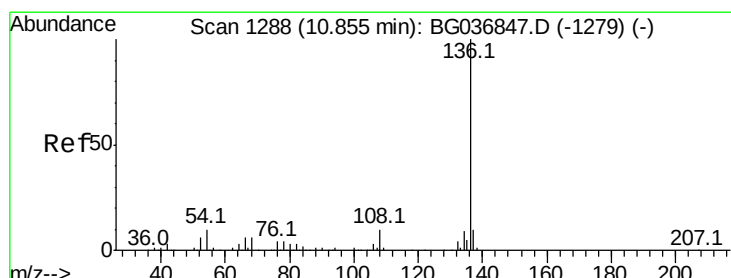
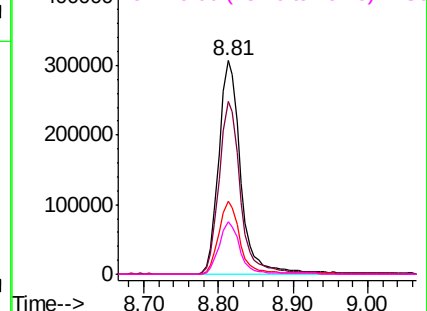
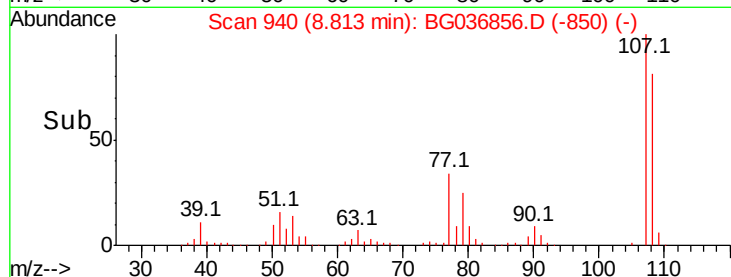
#20
3+4-Methylphenols
Concen: 172.835 ng
RT: 8.81 min Scan# 940
Delta R.T. -0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion:	107	Resp:	628356
Ion	Ratio	Lower	Upper
107	100		
108	80.8	68.0	108.0
77	34.3	15.6	55.6
79	24.8	9.9	49.9

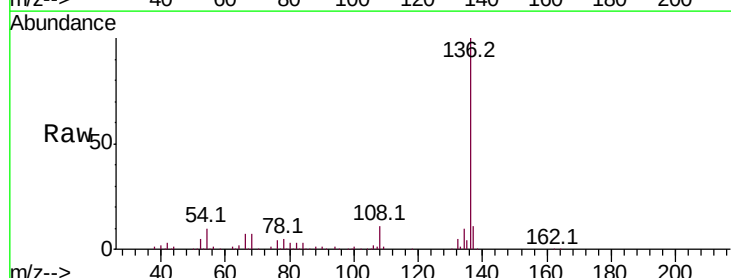


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

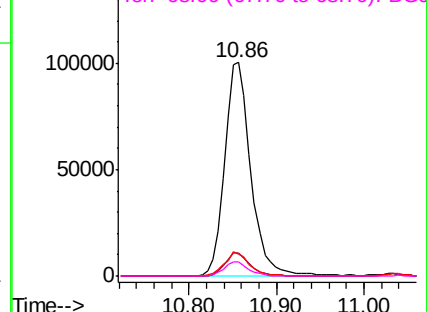
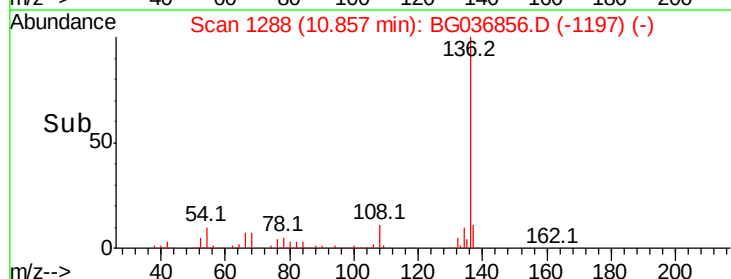


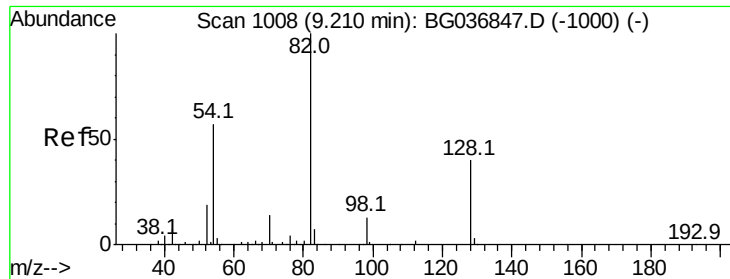
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

Tgt Ion:	136	Resp:	205901
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	10.0	9.2	13.8
68	6.5	5.8	8.6



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): BG
Ion 68.00 (67.70 to 68.70): BG

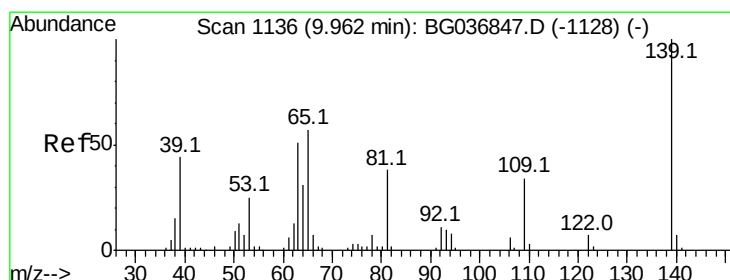
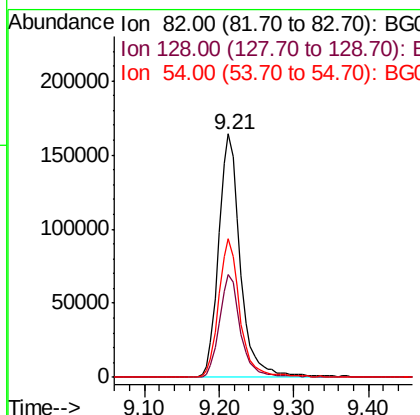
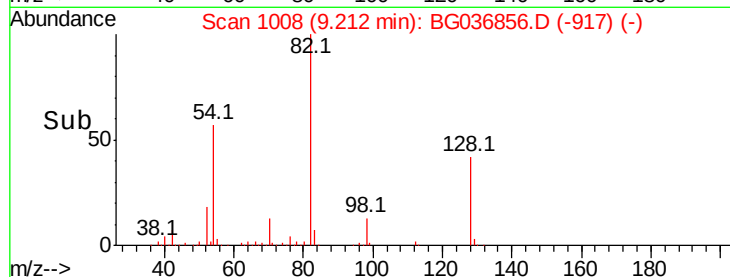
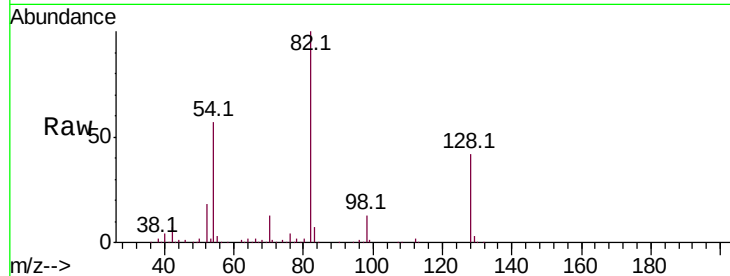




#23
Nitrobenzene-d5
Concen: 86.536 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

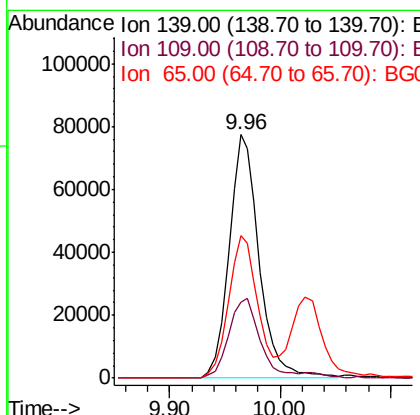
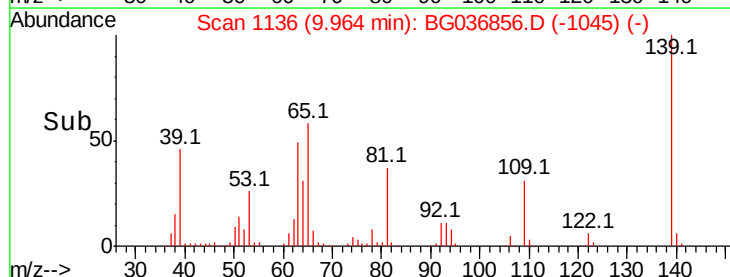
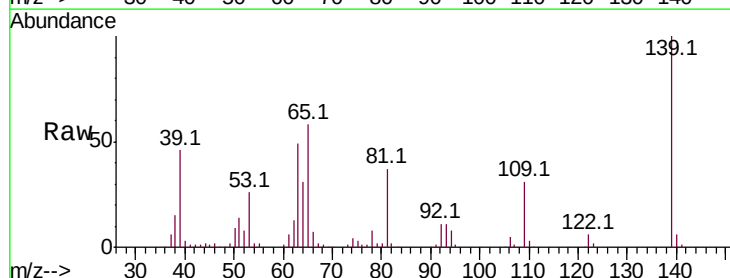
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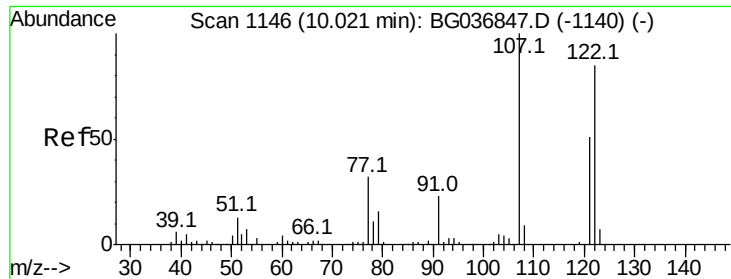
Tot Ion	82	Resp	332727
Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.3	49.9
54	57.1	45.1	67.7



#26
2-Nitrophenol
Concen: 89.471 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

Tgt Ion	139	Resp	146432
Ion	Ratio	Lower	Upper
139	100		
109	31.0	27.4	41.0
65	58.3	47.8	71.6

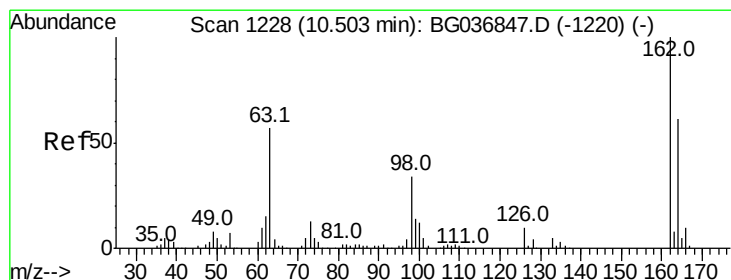
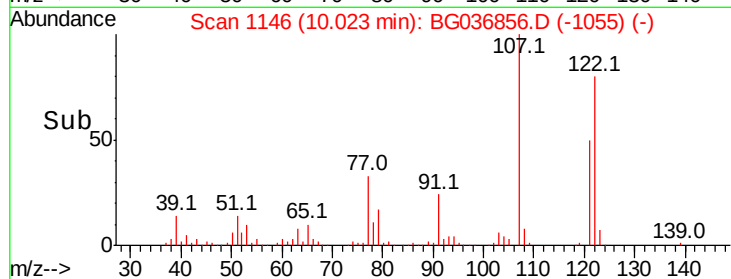
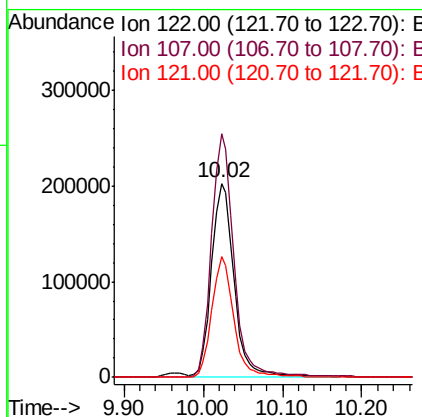
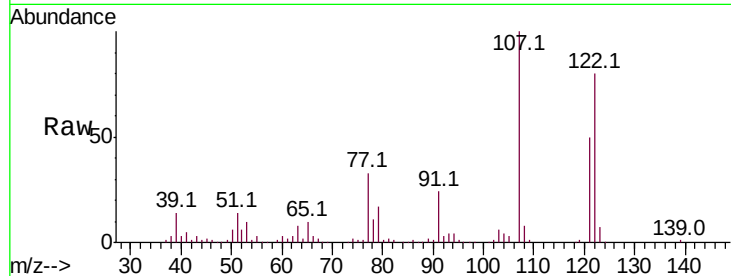




#27
2,4-Dimethylphenol
Concen: 156.626 ng
RT: 10.02 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

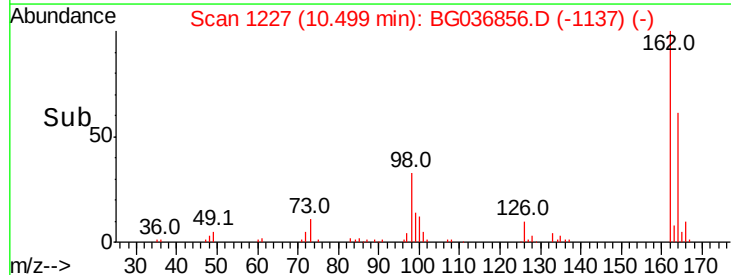
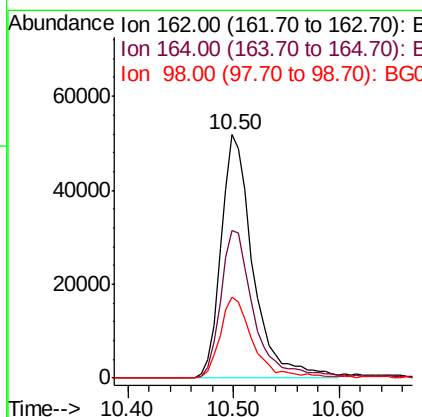
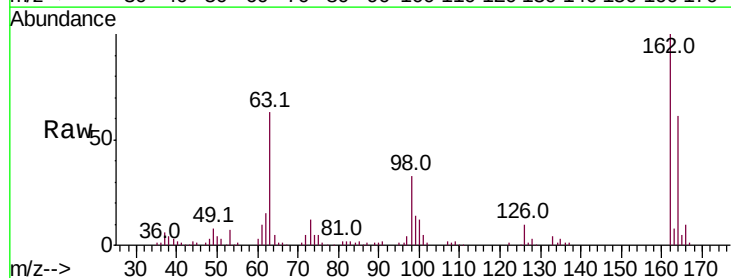
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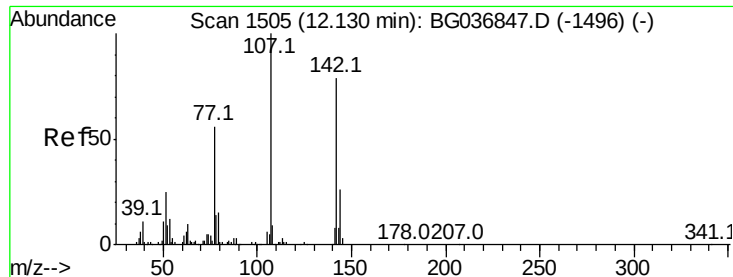
Tot Ion:122 Resp: 399304
Ion Ratio Lower Upper
122 100
107 125.5 96.0 144.0
121 62.4 48.2 72.4



#29
2,4-Dichlorophenol
Concen: 36.902 ng
RT: 10.50 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

Tgt Ion:162 Resp: 109059
Ion Ratio Lower Upper
162 100
164 60.9 47.6 87.6
98 33.2 19.2 59.2

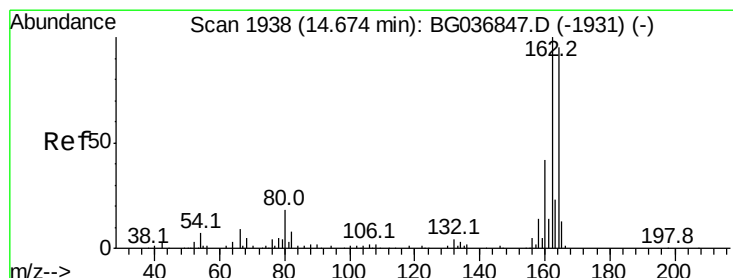
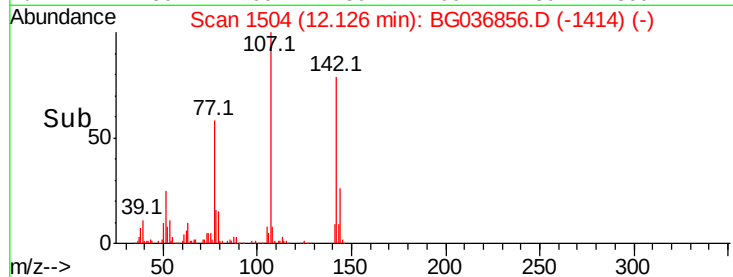
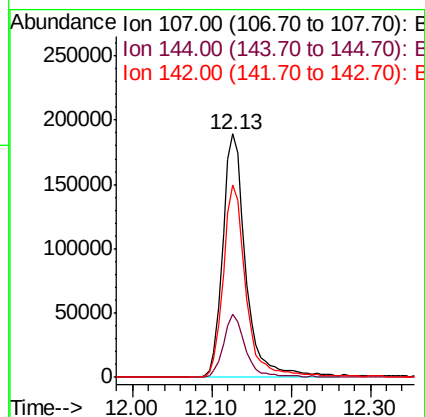
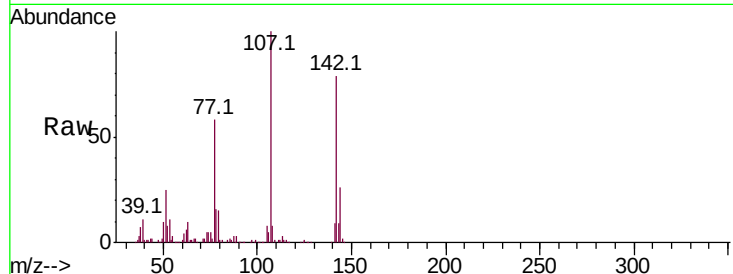




#36
4-Chloro-3-methylphenol
Concen: 108.295 ng
RT: 12.13 min Scan# 1504
Delta R.T. -0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

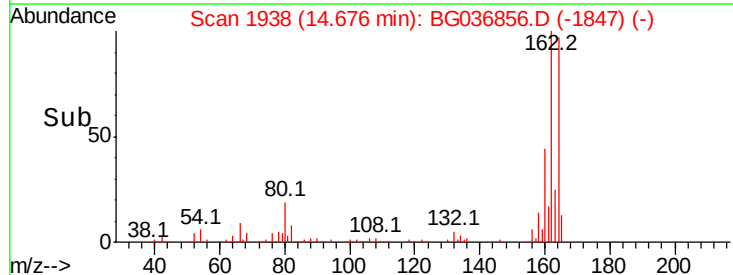
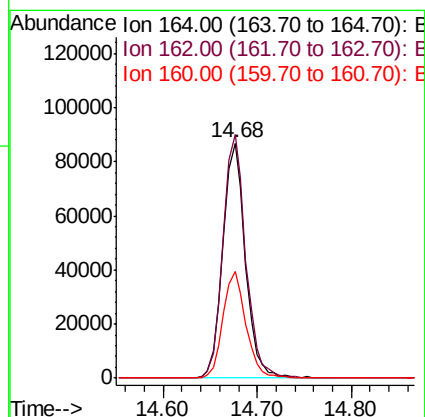
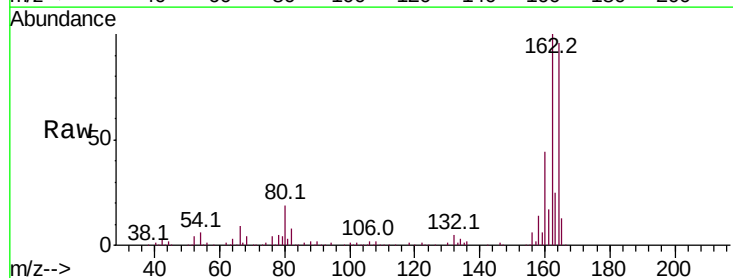
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

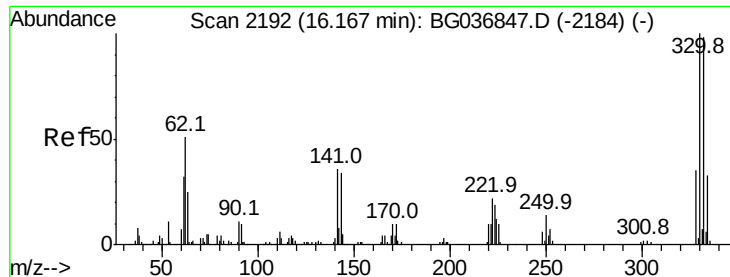
Tot Ion	Ratio	Lower	Upper
107	100		
144	26.1	19.5	29.3
142	78.9	62.4	93.6



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	80.7	121.1
160	45.5	35.3	52.9

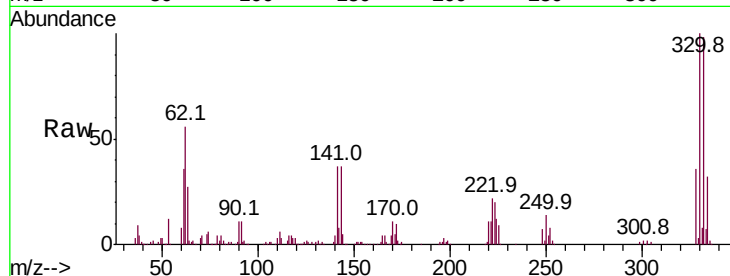




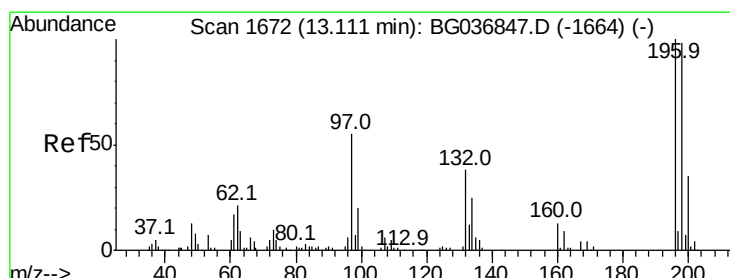
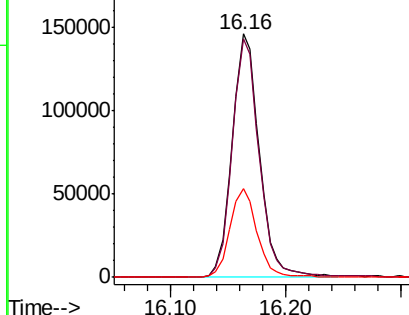
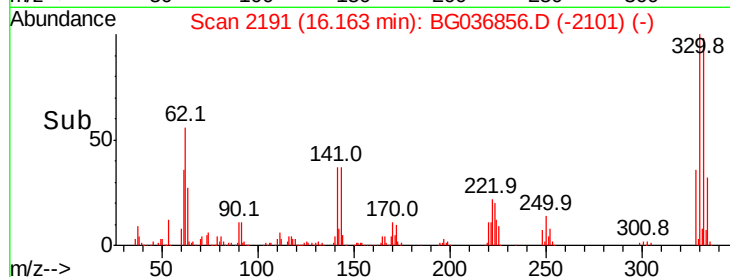
#41
 2,4,6-Tribromophenol
 Concen: 137.332 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: BG036856.D
 Acq: 21 Sep 2018 12:56

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.4	113.2
141	36.8	30.7	46.1

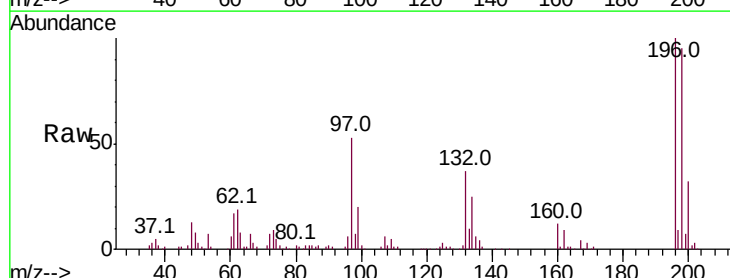


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

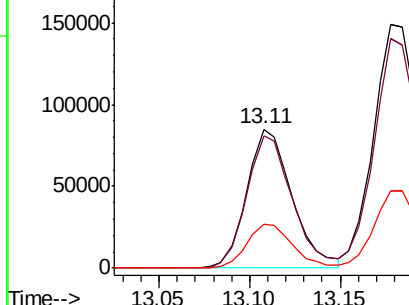
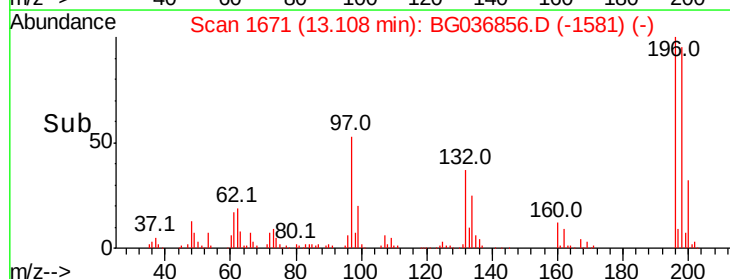


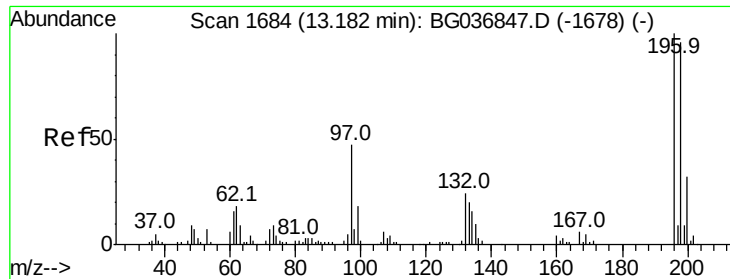
#42
 2,4,6-Trichlorophenol
 Concen: 52.215 ng
 RT: 13.11 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BG036856.D
 Acq: 21 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.2	115.8
200	31.7	26.3	39.5



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

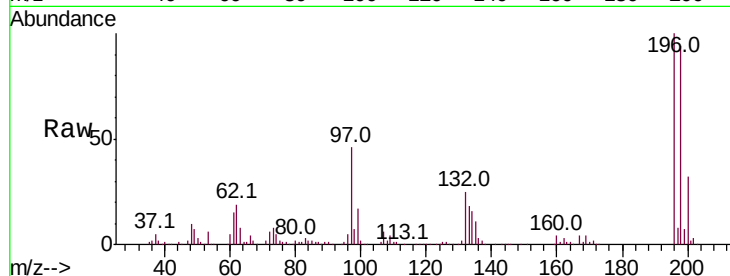




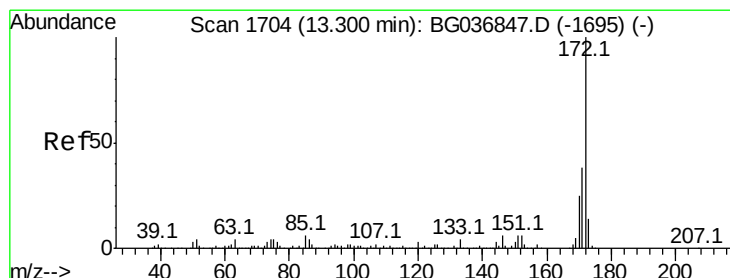
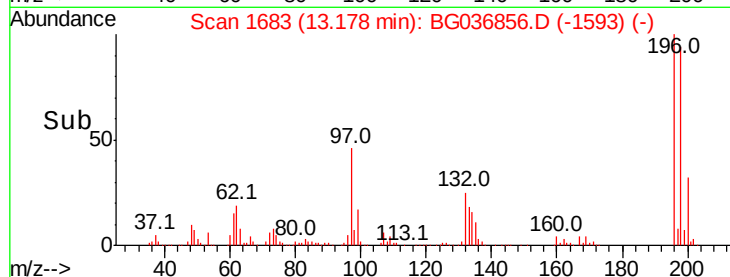
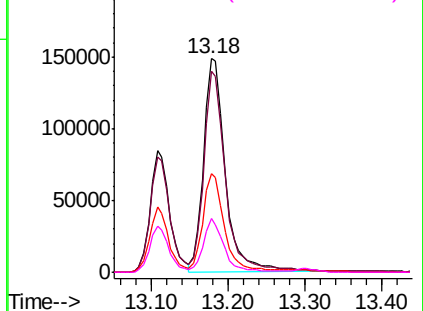
#43
 2,4,5-Trichlorophenol
 Concen: 96.031 ng
 RT: 13.18 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BG036856.D
 Acq: 21 Sep 2018 12:56

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion:	196	Resp:	289235
Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.6	113.4
97	46.2	37.2	55.8
132	25.1	19.4	29.2

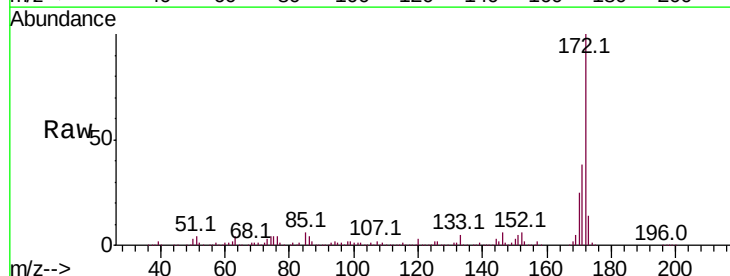


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

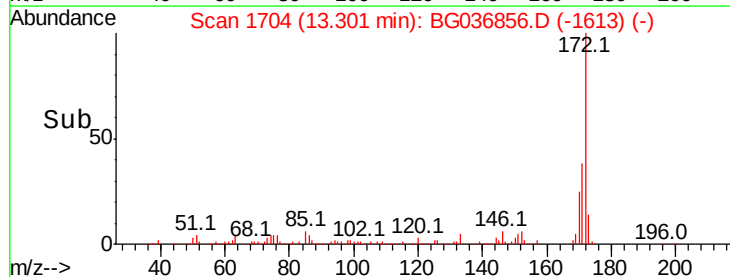
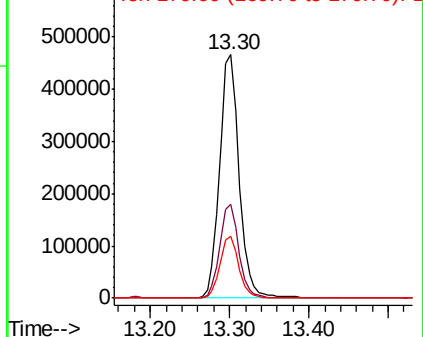


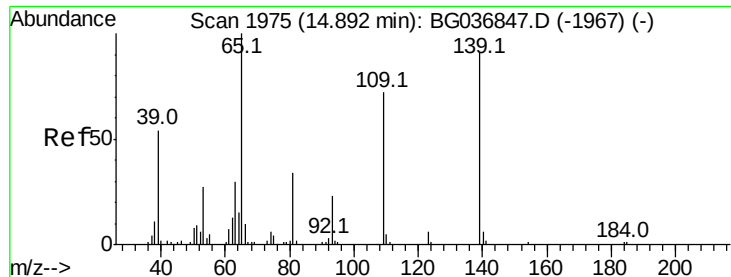
#44
 2-Fluorobiphenyl
 Concen: 81.386 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: BG036856.D
 Acq: 21 Sep 2018 12:56

Tgt Ion:	172	Resp:	796918
Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.3	46.9
170	25.2	21.0	31.6



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: 150.767 ng

RT: 14.89 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BG036856.D

Acq: 21 Sep 2018 12:56

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

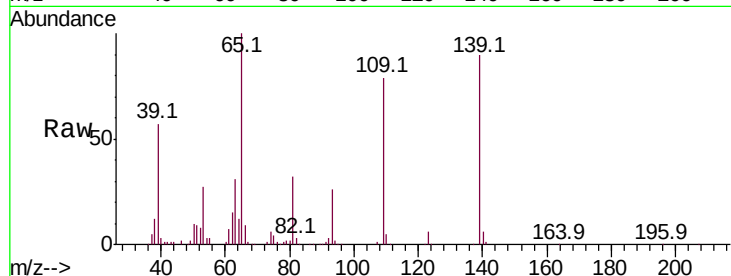
Tot Ion:139 Resp: 259948

Ion Ratio Lower Upper

139 100

109 88.2 63.9 103.9

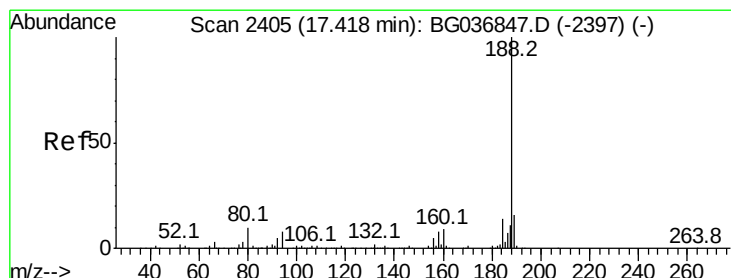
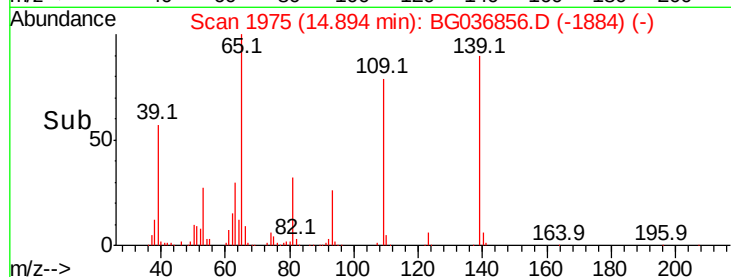
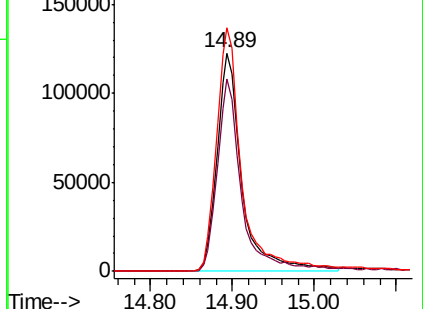
65 111.3 90.0 130.0



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. 0.00 min

Lab File: BG036856.D

Acq: 21 Sep 2018 12:56

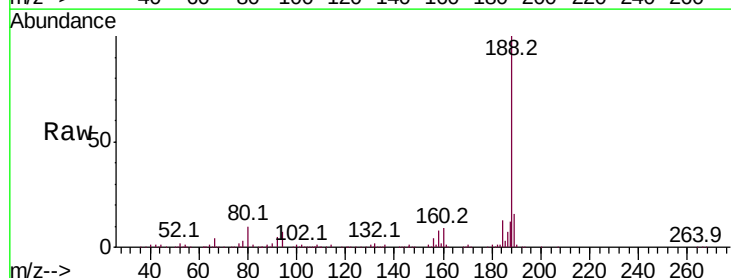
Tgt Ion:188 Resp: 375575

Ion Ratio Lower Upper

188 100

94 7.2 6.7 10.1

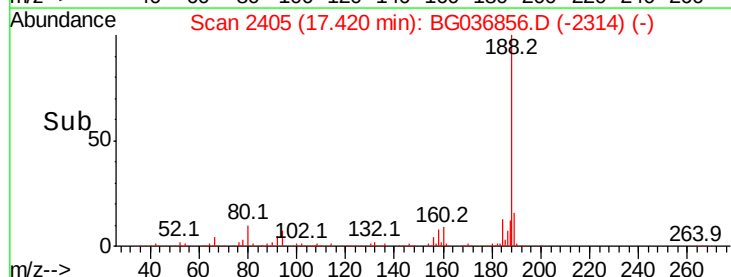
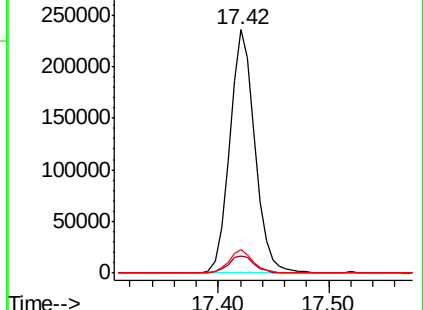
80 9.6 8.1 12.1

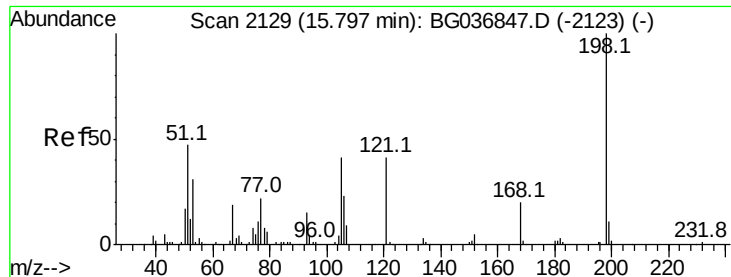


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

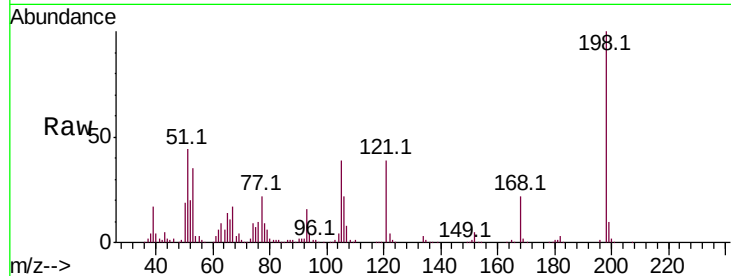




#64
 4,6-Dinitro-2-methylphenol
 Concen: 165.490 ng
 RT: 15.80 min Scan# 2130
 Delta R.T. 0.01 min
 Lab File: BG036856.D
 Acq: 21 Sep 2018 12:56

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
198	100		
51	44.3	26.5	66.5
105	38.9	20.2	60.2

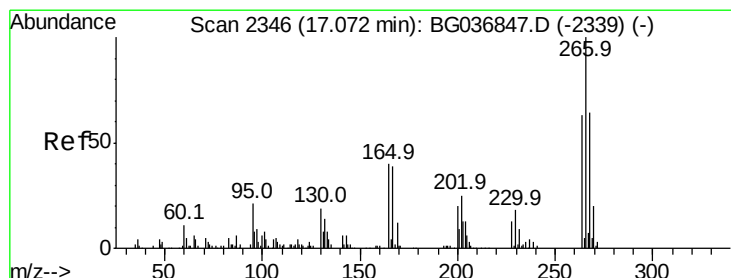
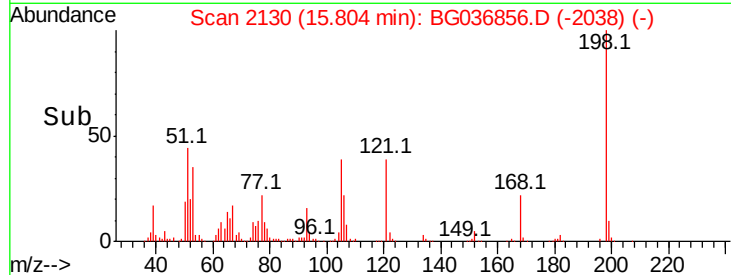
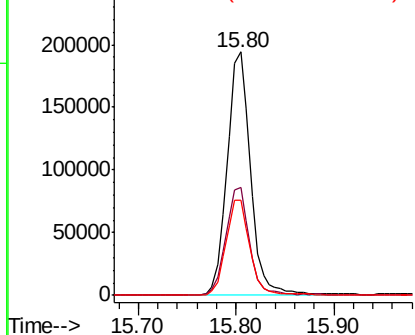


Abundance

Ion 198.00 (197.70 to 198.70): E

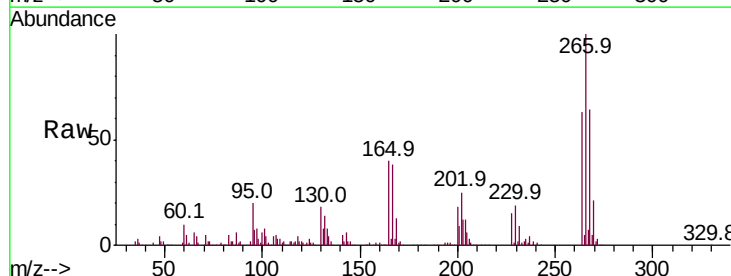
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#69
 Pentachlorophenol
 Concen: 110.211 ng
 RT: 17.07 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: BG036856.D
 Acq: 21 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	51.4	77.2
264	62.9	48.9	73.3

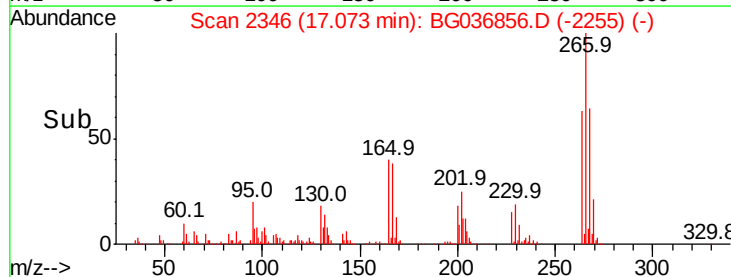
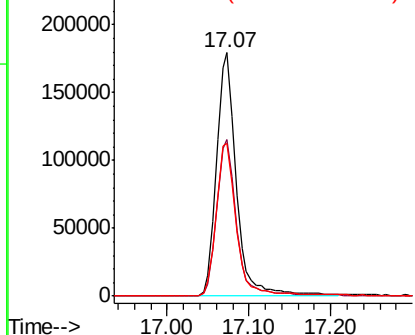


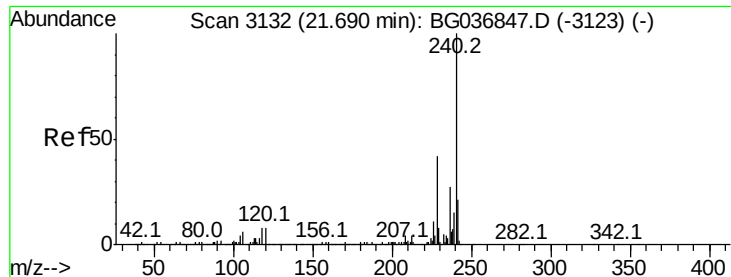
Abundance

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: 21.69 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BG036856.D

Acq: 21 Sep 2018 12:56

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

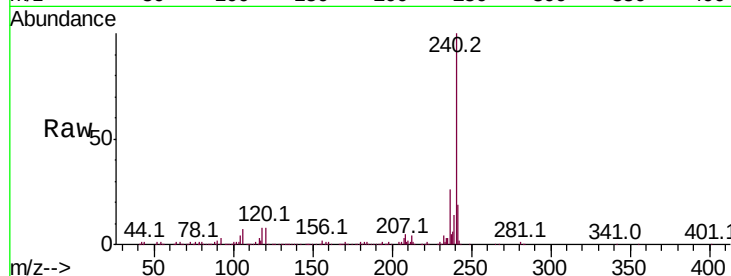
Tot Ion:240 Resp: 399797

Ion Ratio Lower Upper

240 100

120 7.9 6.9 10.3

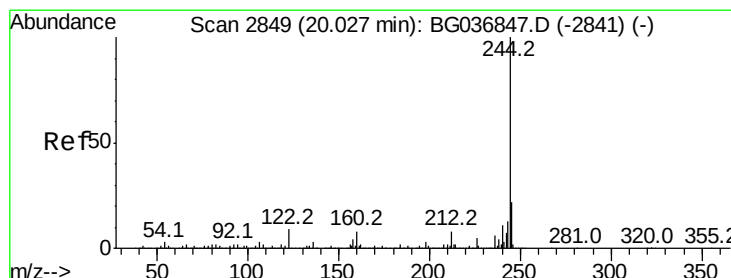
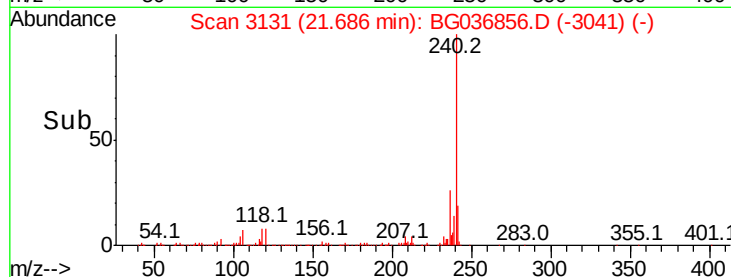
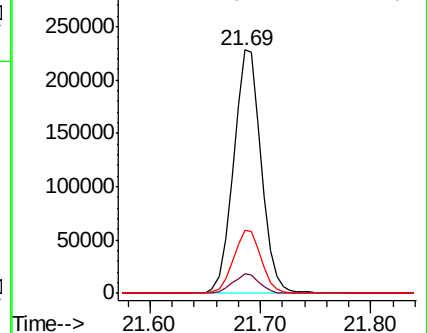
236 26.2 21.2 31.8



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: 97.069 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG036856.D

Acq: 21 Sep 2018 12:56

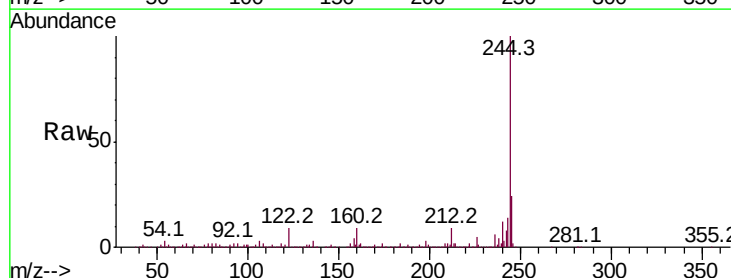
Tgt Ion:244 Resp: 1475873

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

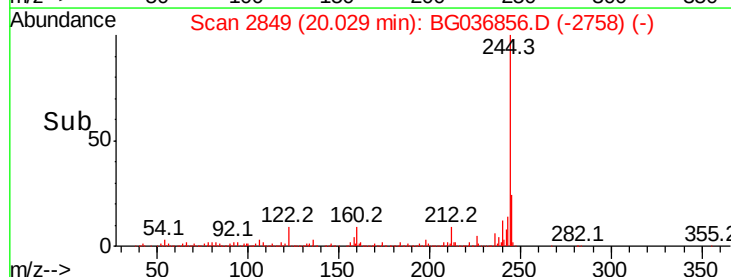
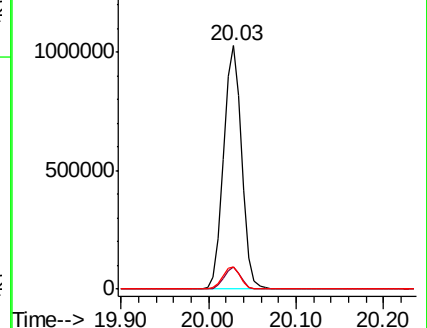
122 9.0 7.1 10.7

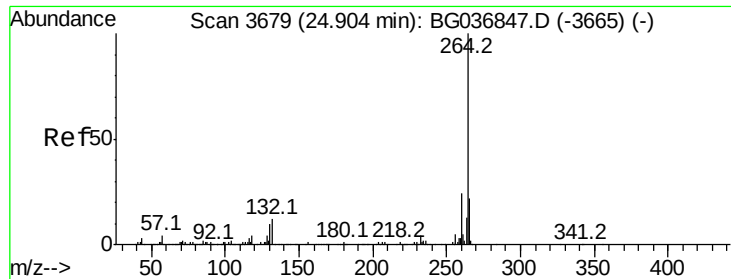


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.90 min Scan# 3678
Delta R.T. -0.00 min
Lab File: BG036856.D
Acq: 21 Sep 2018 12:56

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	21.0	17.4	26.0

