

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\
 Data File : BG033242.D
 Acq On : 19 Mar 2018 16:27
 Operator : SJ/JU
 Sample : J1888-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Mar 19 17:38:01 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

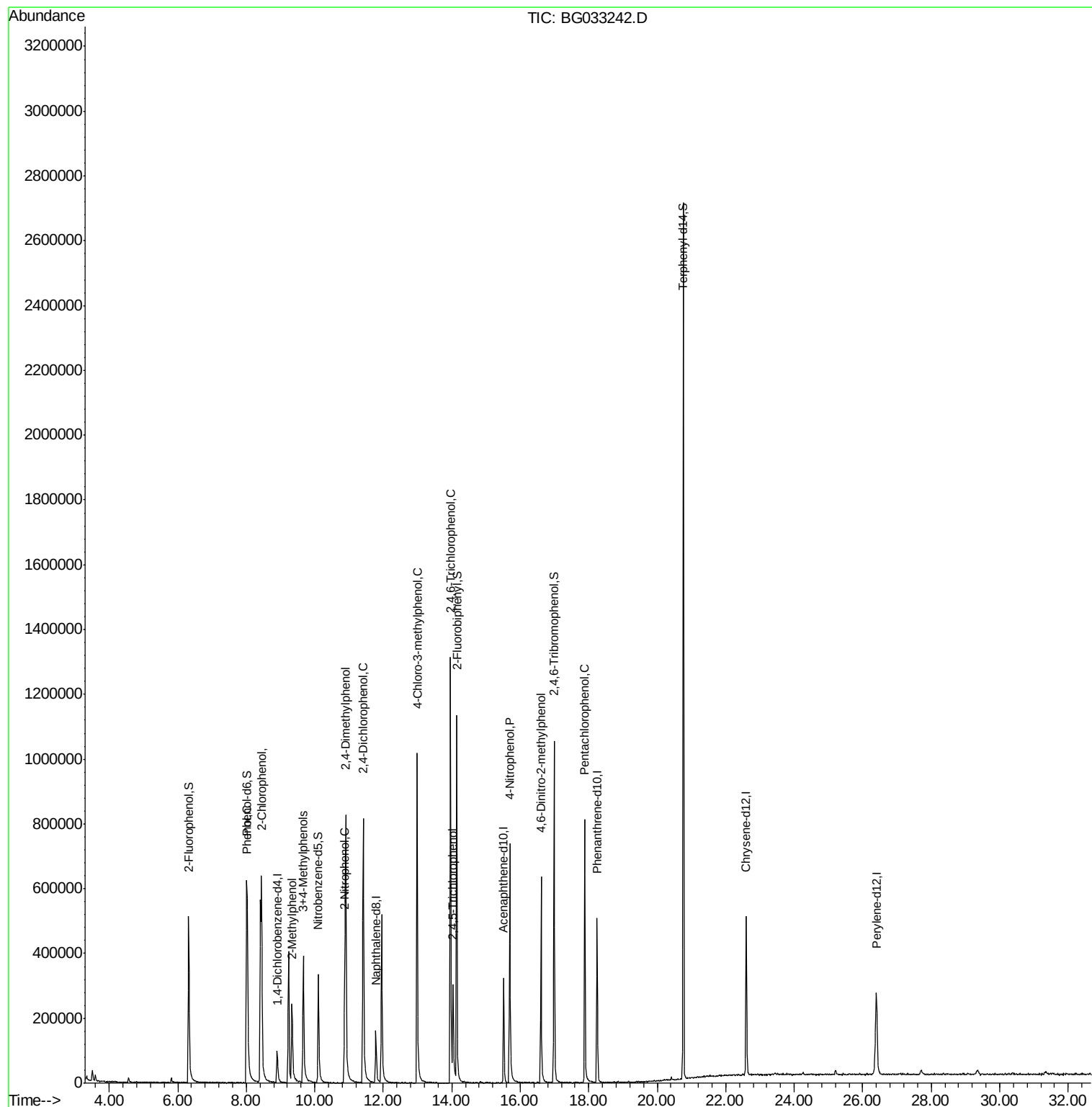
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	37229	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	165494	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	128911	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	351675	20.00	ng	0.00
75) Chrysene-d12	22.59	240	357758	20.00	ng	0.00
86) Perylene-d12	26.40	264	369279	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	267966	134.97	ng	0.00
7) Phenol-d6	8.01	99	417362	122.34	ng	0.00
23) Nitrobenzene-d5	10.10	82	271499	75.37	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	223909	116.13	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	659978	73.91	ng	0.00
78) Terphenyl-d14	20.76	244	1363627	81.51	ng	0.00
Target Compounds						
8) 2-Chlorophenol	8.45	128	289205	127.416	ng	93
10) Phenol	8.04	94	312742	92.855	ng	94
17) 2-Methylphenol	9.33	107	98070	42.743	ng	93
20) 3+4-Methylphenols	9.66	107	233521	71.483	ng	98
26) 2-Nitrophenol	10.87	139	126813	86.877	ng	# 83
27) 2,4-Dimethylphenol	10.90	122	248197	117.047	ng	93
29) 2,4-Dichlorophenol	11.41	162	358859	137.611	ng	97
36) 4-Chloro-3-methylphenol	12.99	107	429642	126.320	ng	93
42) 2,4,6-Trichlorophenol	13.96	196	372996	137.485	ng	96
43) 2,4,5-Trichlorophenol	14.04	196	115358	35.973	ng	97
55) 4-Nitrophenol	15.69	139	198443	117.346	ng	# 84
64) 4,6-Dinitro-2-methylphenol	16.61	198	166622	79.200	ng	92
69) Pentachlorophenol	17.88	266	171044	57.174	ng	98

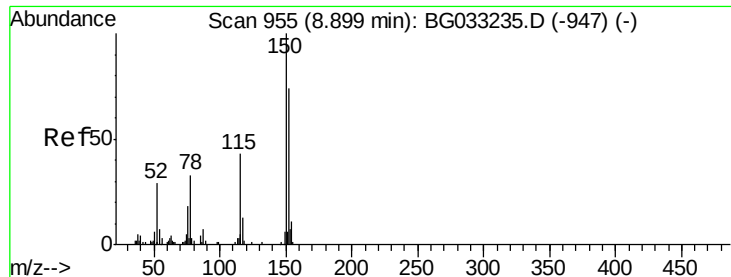
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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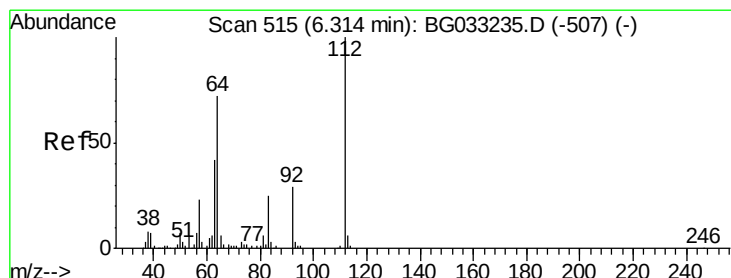
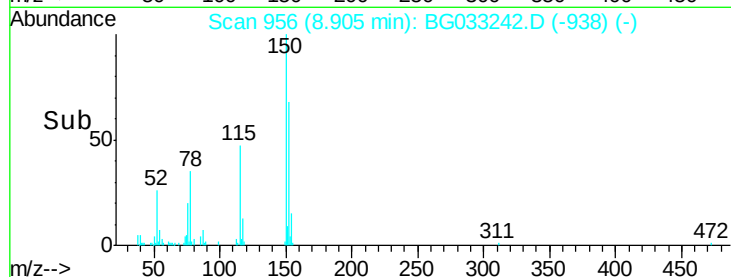
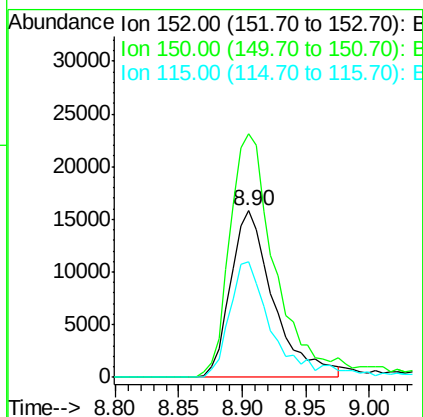
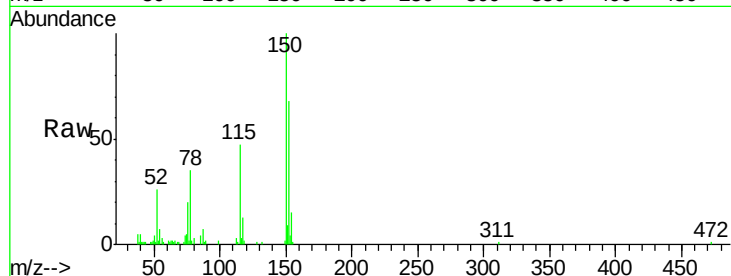


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 956
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

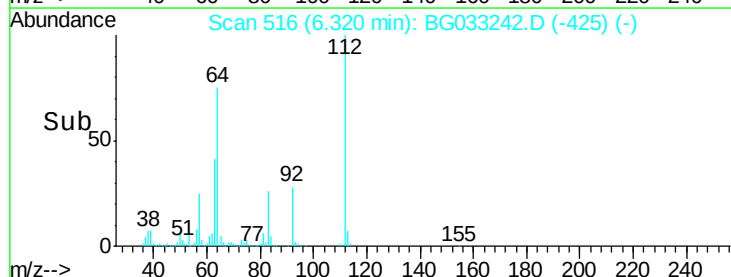
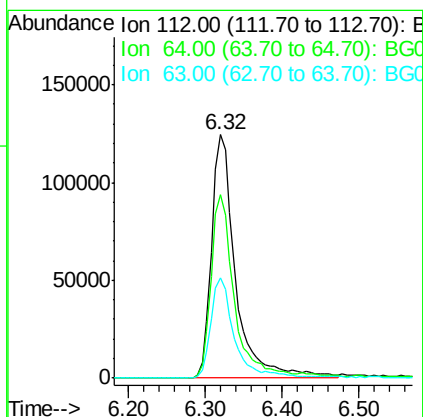
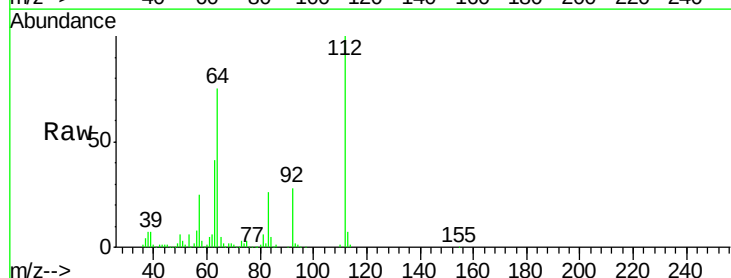
Tot Ion	Ratio	Lower	Upper
152	100		
150	146.3	126.6	189.8
115	69.4	53.0	79.4

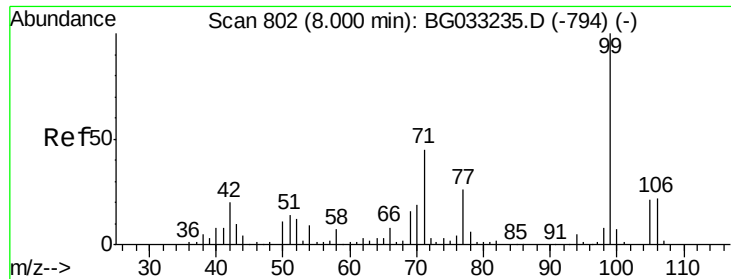


#5

2-Fluorophenol
Concen: 134.967 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.1	56.3	84.5
63	41.0	30.1	45.1





#7

Phenol-d6

Concen: 122.345 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.01 min

Lab File: BG033242.D

Acq: 19 Mar 2018 16:27

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

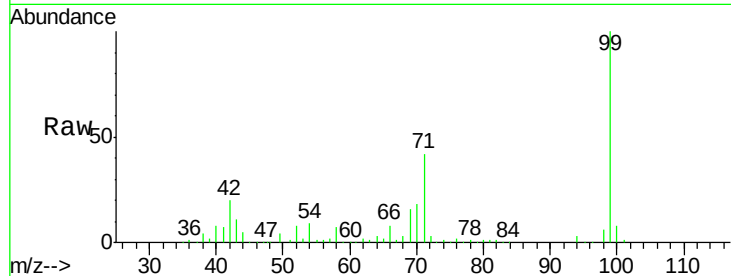
Tot Ion: 99 Resp: 417362

Ion Ratio Lower Upper

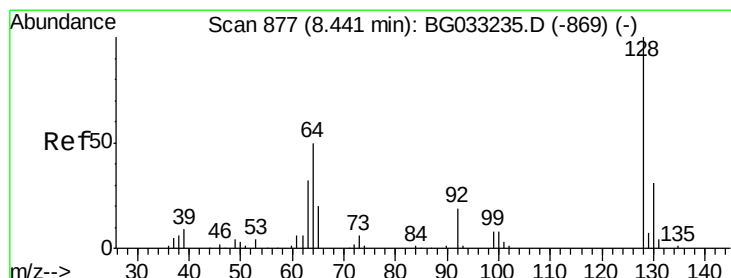
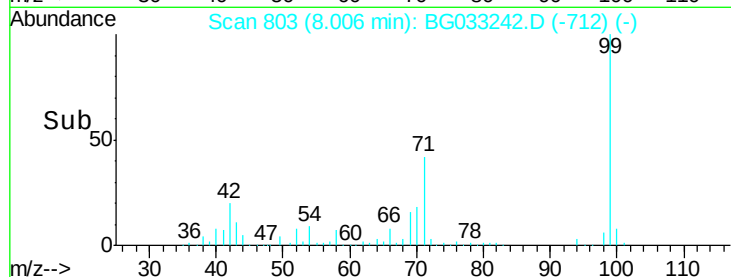
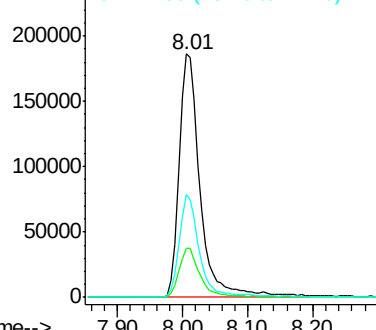
99 100

42 20.1 14.1 21.1

71 42.5 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: 127.416 ng

RT: 8.45 min Scan# 878

Delta R.T. 0.01 min

Lab File: BG033242.D

Acq: 19 Mar 2018 16:27

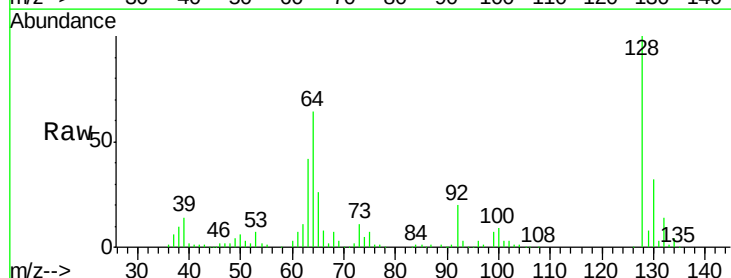
Tgt Ion:128 Resp: 289205

Ion Ratio Lower Upper

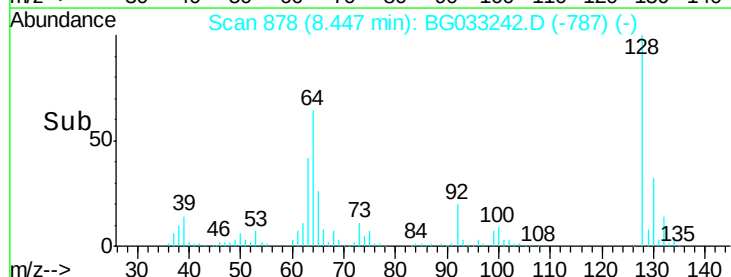
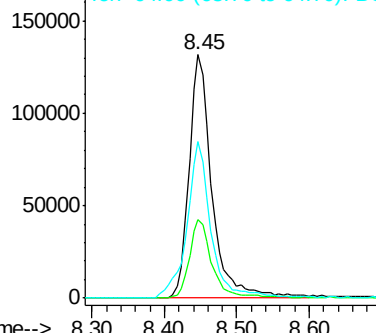
128 100

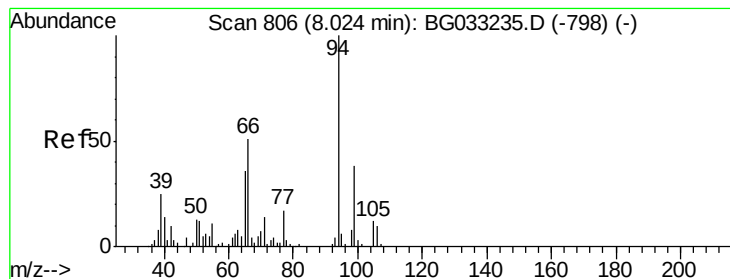
130 32.2 14.0 54.0

64 64.2 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: 92.855 ng

RT: 8.04 min Scan# 808

Delta R.T. 0.01 min

Lab File: BG033242.D

Acq: 19 Mar 2018 16:27

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

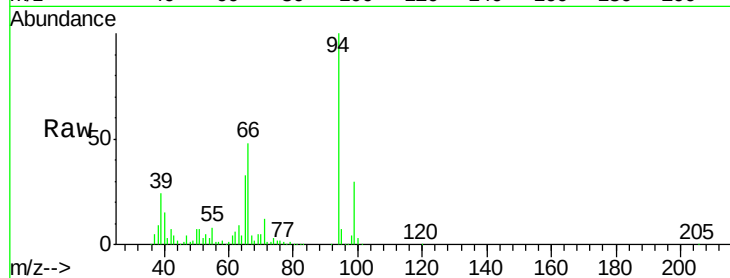
Tot Ion: 94 Resp: 312742

Ion Ratio Lower Upper

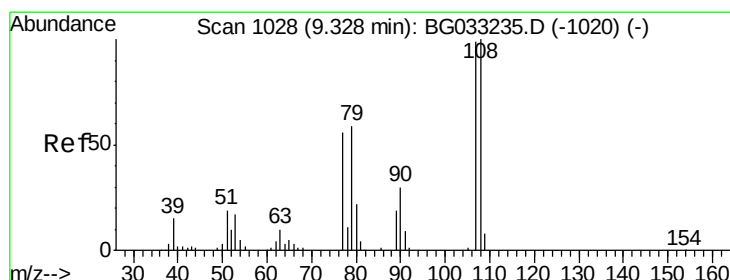
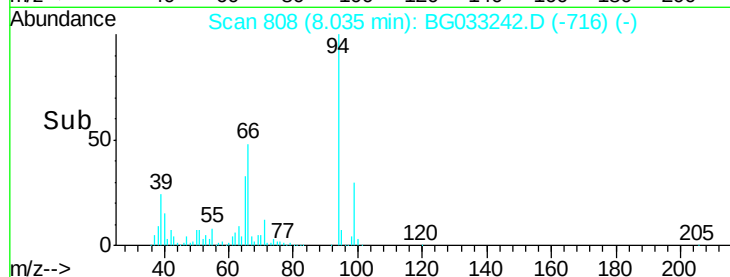
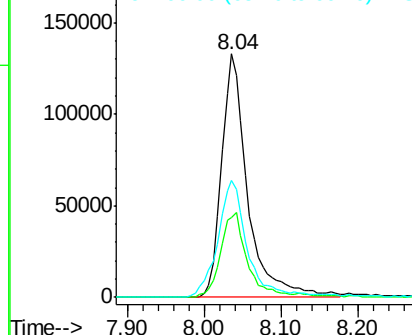
94 100

65 33.0 11.9 51.9

66 48.0 22.2 62.2



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: 42.743 ng

RT: 9.33 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BG033242.D

Acq: 19 Mar 2018 16:27

Tgt Ion: 107 Resp: 98070

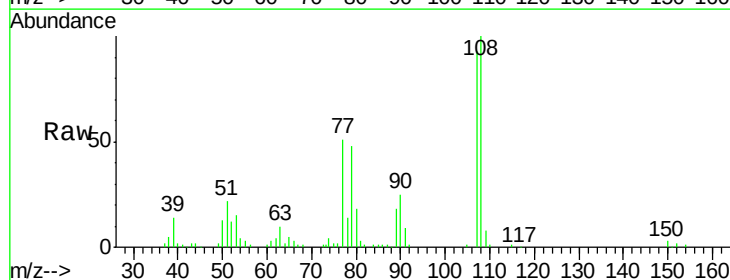
Ion Ratio Lower Upper

107 100

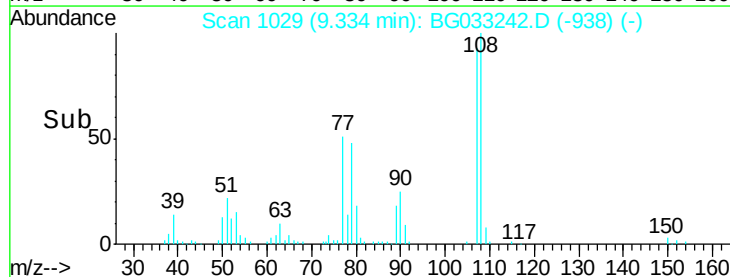
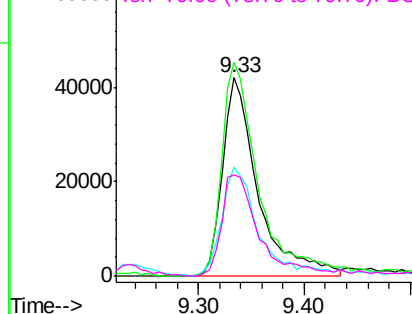
108 107.9 83.9 125.9

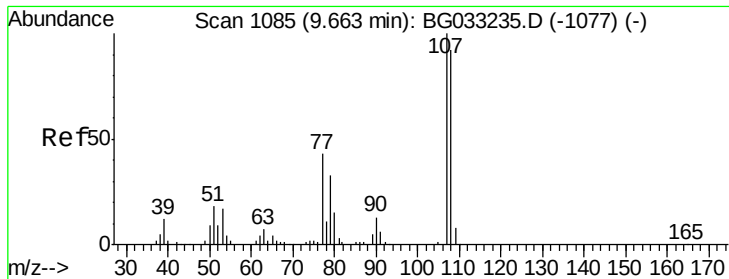
77 55.1 37.2 55.8

79 51.4 36.2 54.2



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

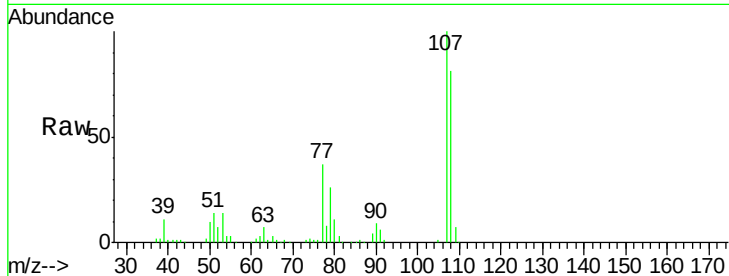




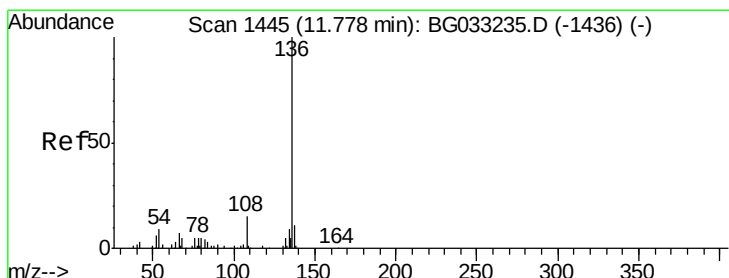
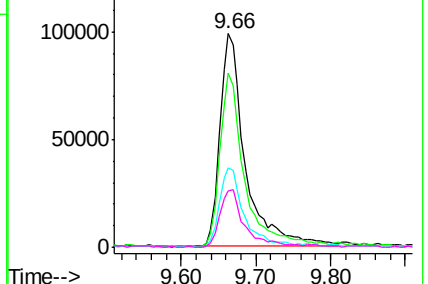
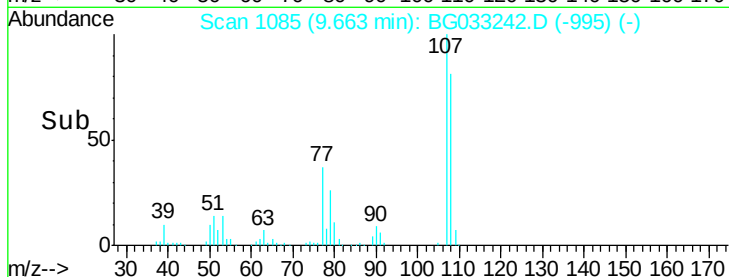
#20
3+4-Methylphenols
Concen: 71.483 ng
RT: 9.66 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion:	107	Resp:	233521
Ion	Ratio	Lower	Upper
107	100		
108	81.4	61.6	101.6
77	37.0	13.9	53.9
79	26.4	8.8	48.8

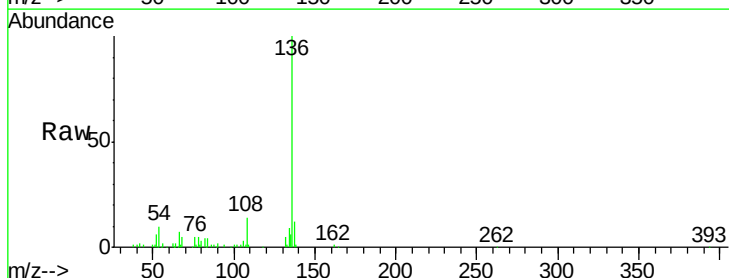


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

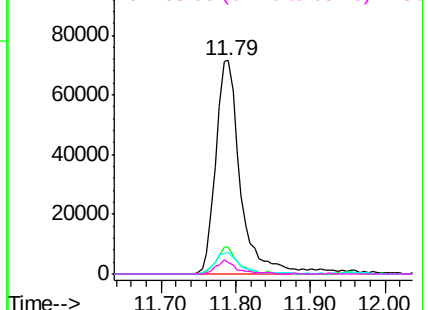
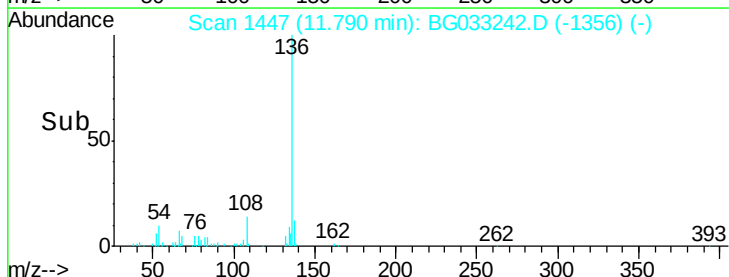


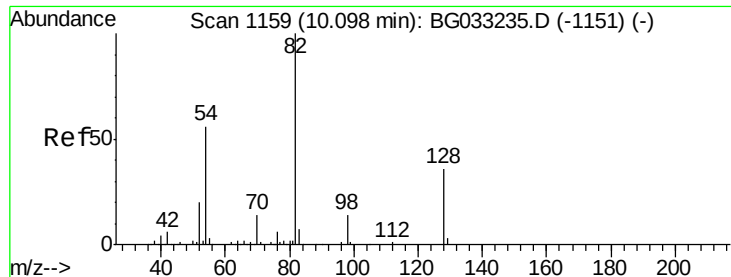
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Tgt Ion:	136	Resp:	165494
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	10.4	10.3	15.5
68	5.4	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

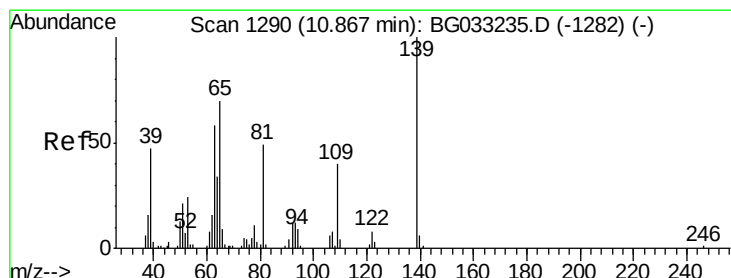
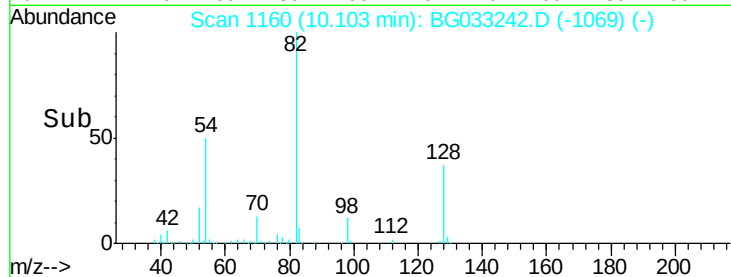
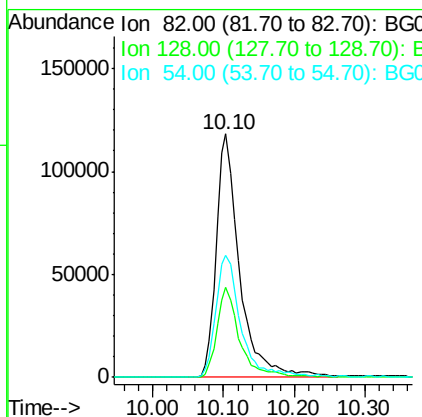
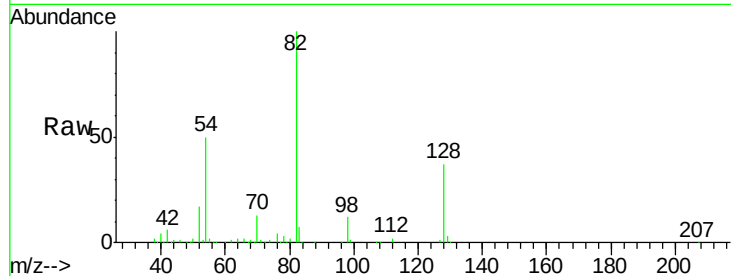




#23
 Nitrobenzene-d5
 Concen: 75.373 ng
 RT: 10.10 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: BG033242.D
 Acq: 19 Mar 2018 16:27

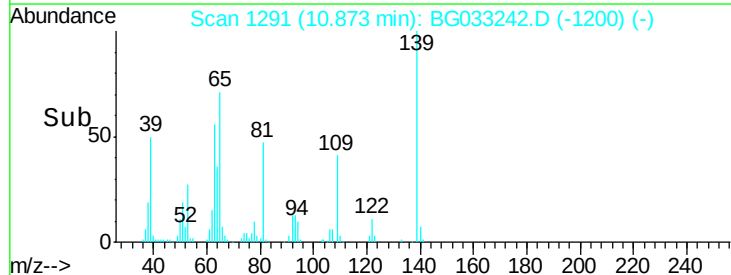
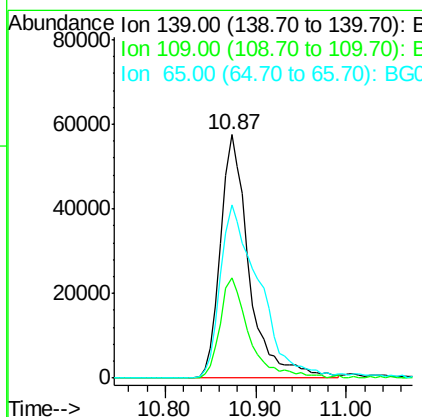
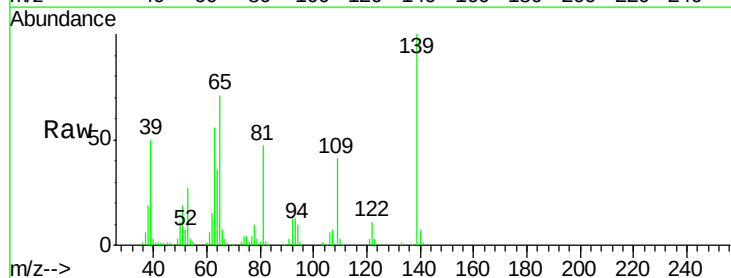
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 PT-ACIDS-WP

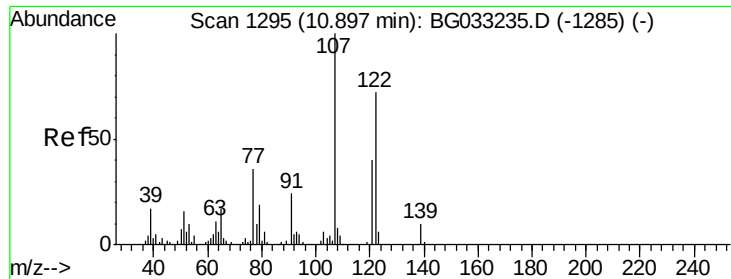
Tot Ion	82	Resp	271499
Ion Ratio	Lower	Upper	
82	100		
128	36.8	29.7	44.5
54	50.2	43.1	64.7



#26
 2-Nitrophenol
 Concen: 86.877 ng
 RT: 10.87 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: BG033242.D
 Acq: 19 Mar 2018 16:27

Tgt Ion	139	Resp	126813
Ion Ratio	Lower	Upper	
139	100		
109	41.3	24.2	36.2#
65	71.2	47.4	71.0#

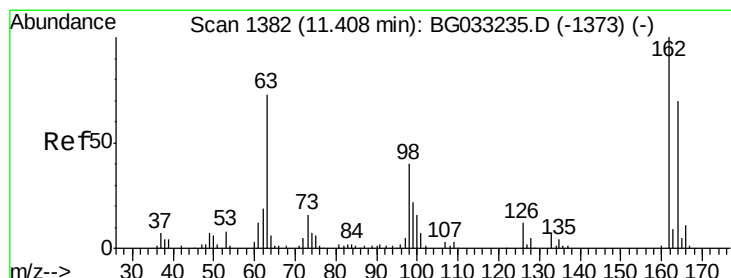
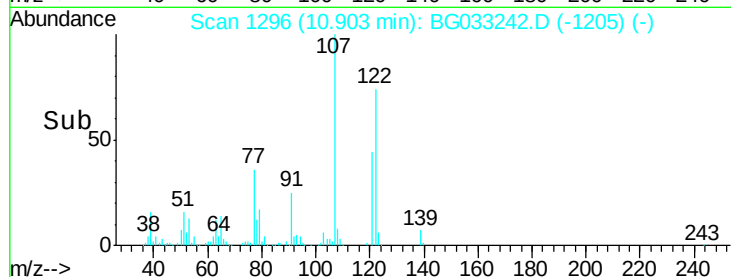
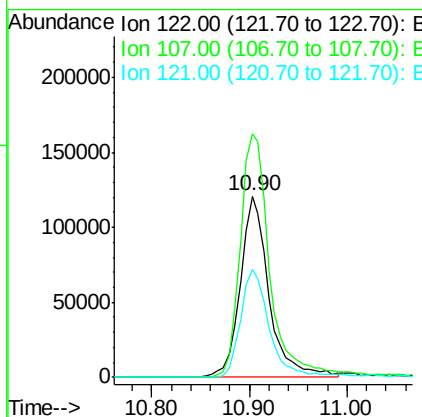
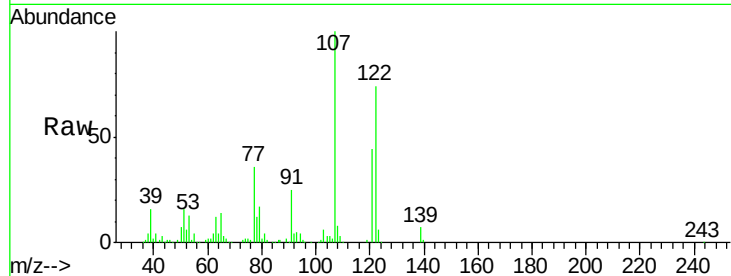




#27
2,4-Dimethylphenol
Concen: 117.047 ng
RT: 10.90 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

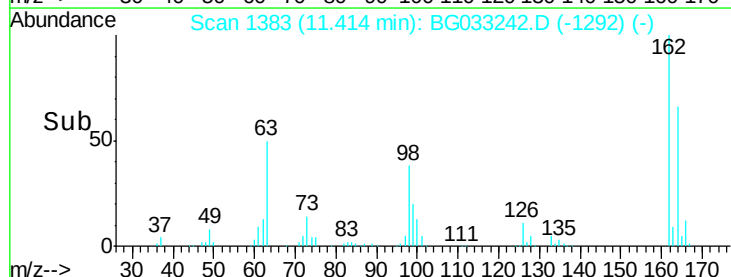
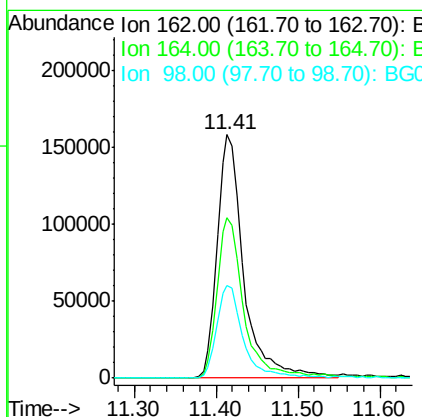
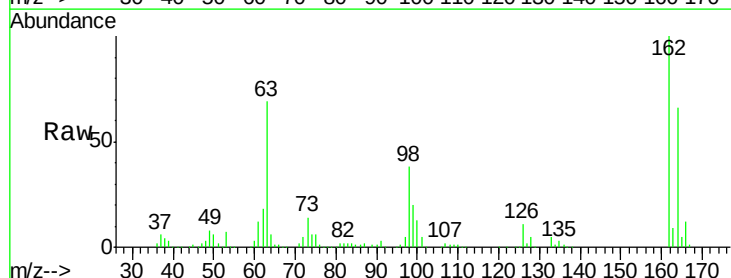
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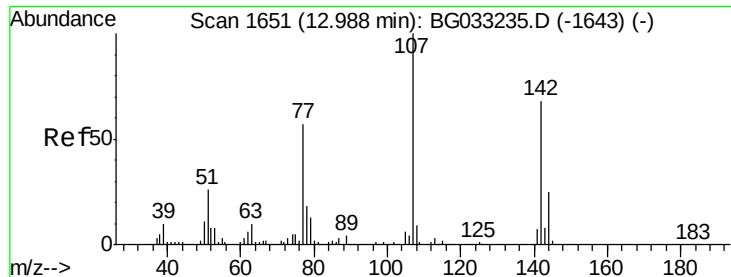
Tot Ion:122 Resp: 248197
Ion Ratio Lower Upper
122 100
107 134.5 100.2 150.2
121 59.4 44.4 66.6



#29
2,4-Dichlorophenol
Concen: 137.611 ng
RT: 11.41 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Tgt Ion:162 Resp: 358859
Ion Ratio Lower Upper
162 100
164 65.9 48.0 88.0
98 38.3 21.1 61.1

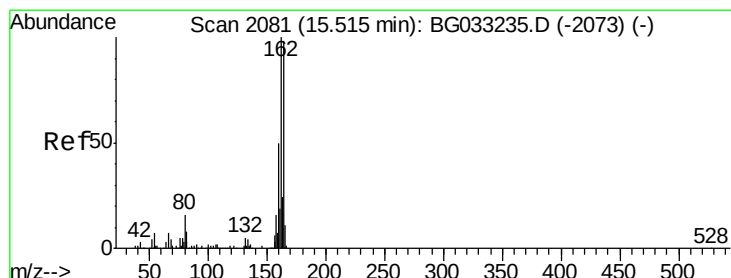
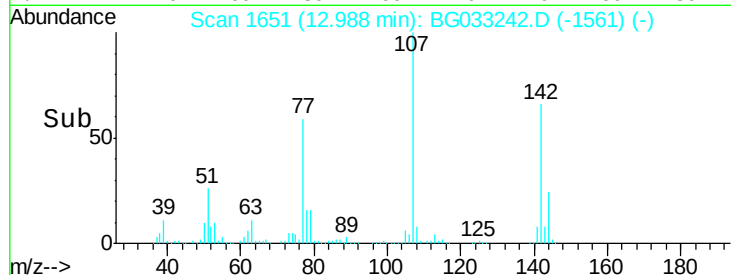
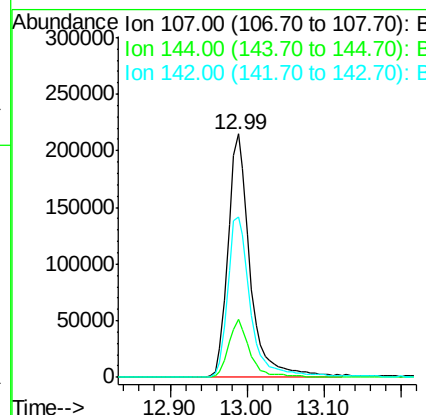
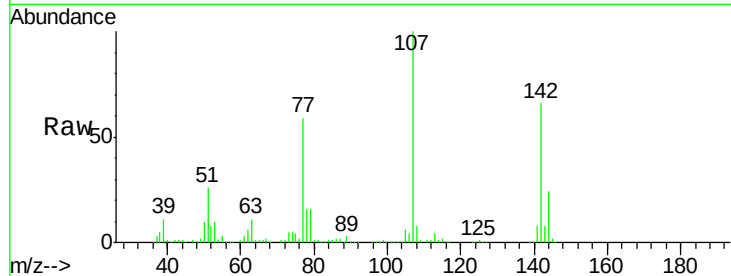




#36
 4-Chloro-3-methylphenol
 Concen: 126.320 ng
 RT: 12.99 min Scan# 1651
 Delta R.T. 0.00 min
 Lab File: BG033242.D
 Acq: 19 Mar 2018 16:27

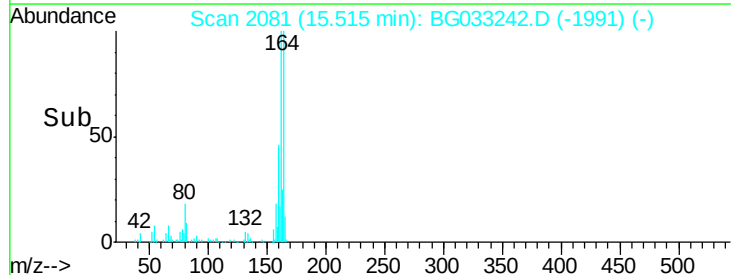
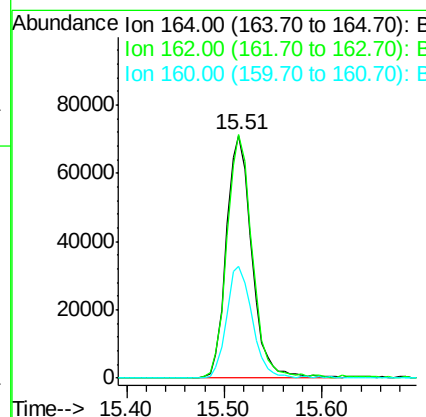
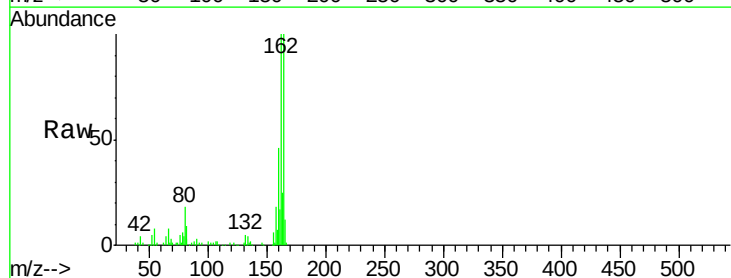
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

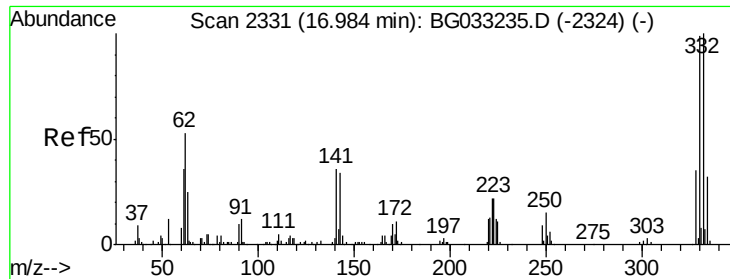
Tot Ion	Ratio	Lower	Upper
107	100		
144	23.9	18.2	27.4
142	66.1	59.0	88.4



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: BG033242.D
 Acq: 19 Mar 2018 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	78.8	118.2
160	46.1	35.4	53.0

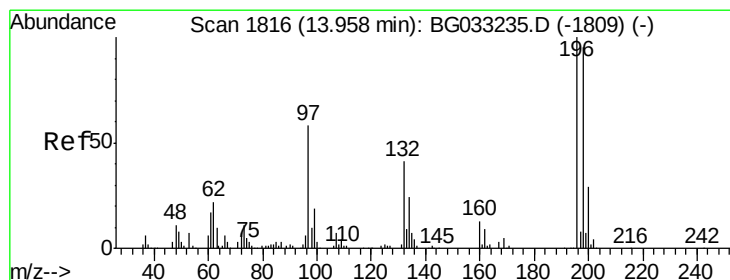
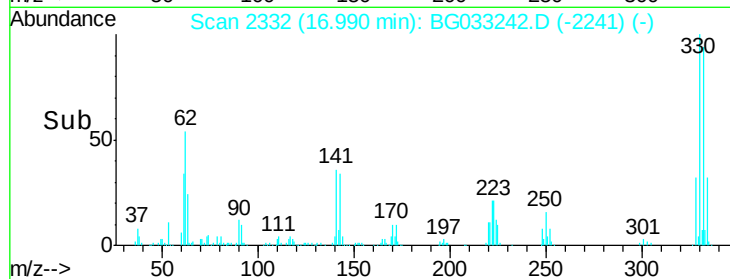
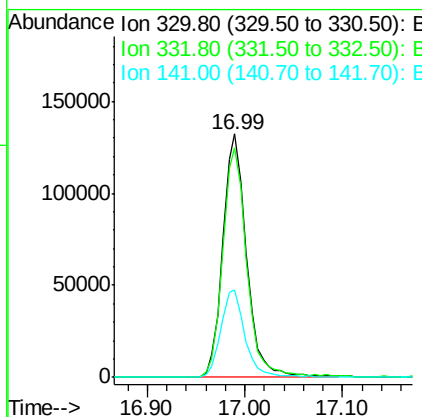
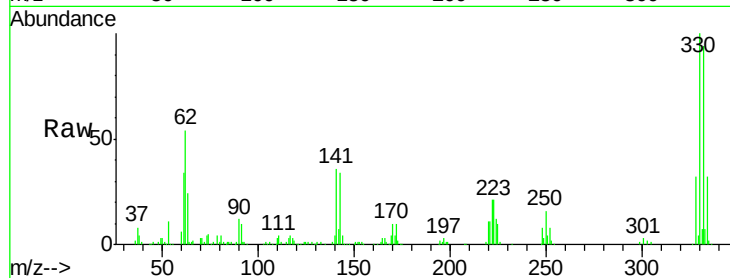




#41
 2,4,6-Tribromophenol
 Concen: 116.135 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.01 min
 Lab File: BG033242.D
 Acq: 19 Mar 2018 16:27

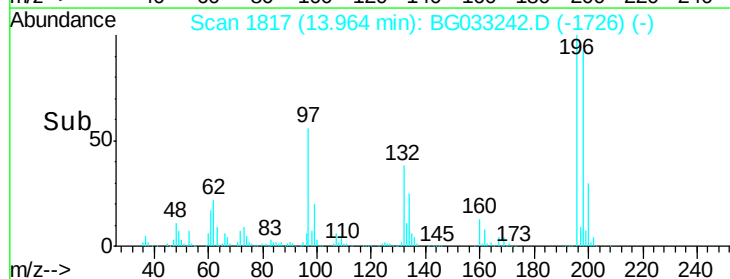
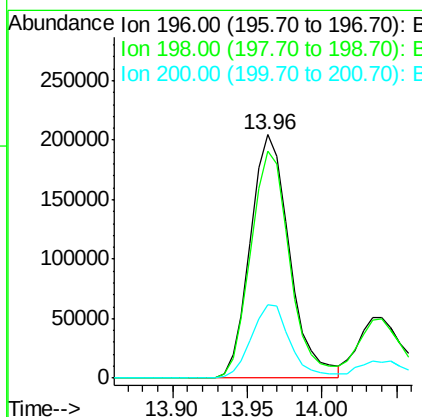
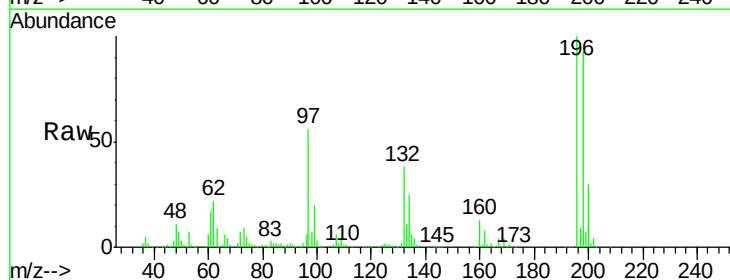
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

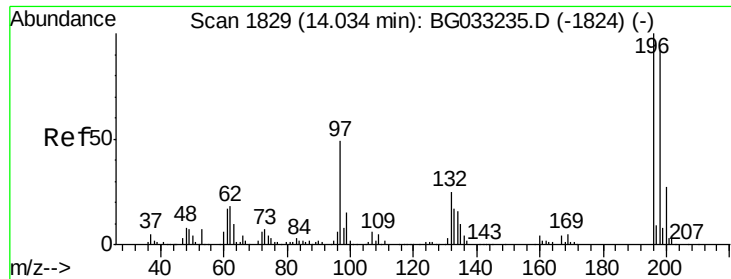
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	36.7	25.2	37.8



#42
 2,4,6-Trichlorophenol
 Concen: 137.485 ng
 RT: 13.96 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: BG033242.D
 Acq: 19 Mar 2018 16:27

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.4	78.2	117.2
200	30.2	24.6	36.8

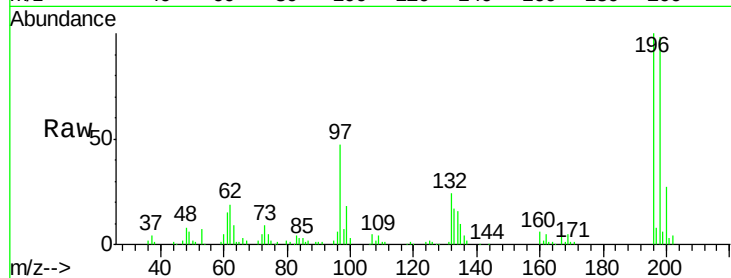




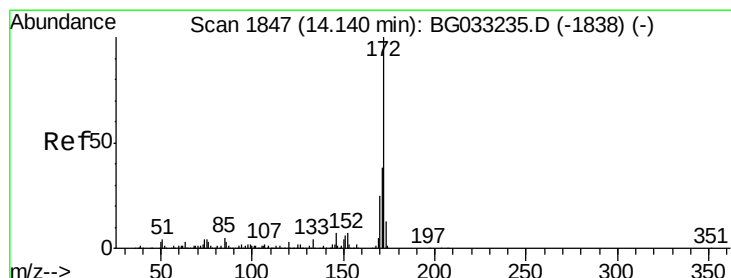
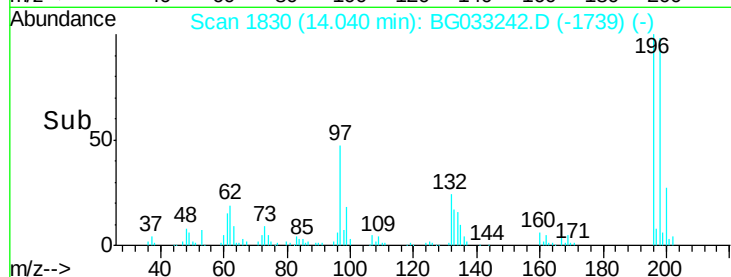
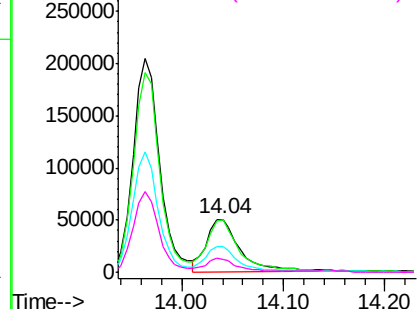
#43
2,4,5-Trichlorophenol
Concen: 35.973 ng
RT: 14.04 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion:196 Resp: 115358
Ion Ratio Lower Upper
196 100
198 98.4 76.2 114.4
97 47.2 38.7 58.1
132 24.2 20.2 30.2

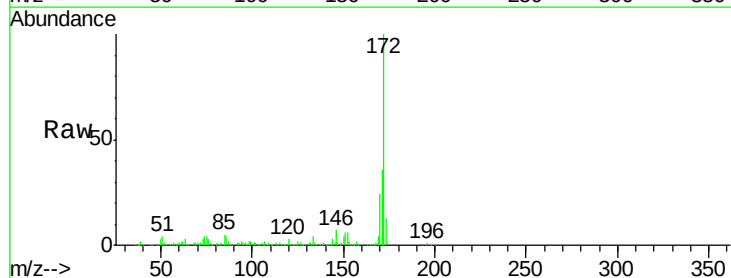


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

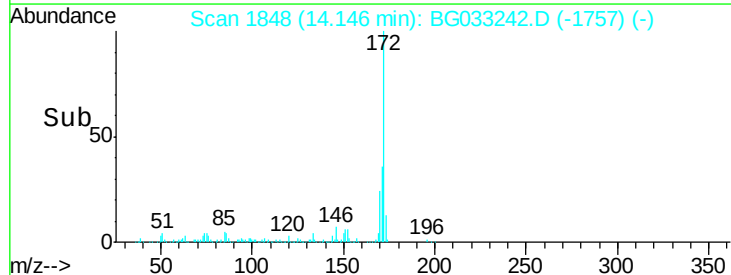
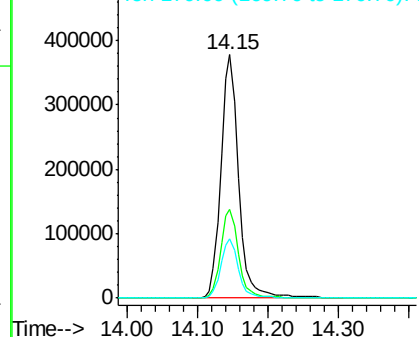


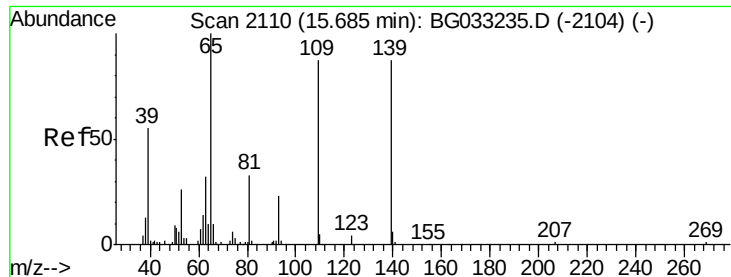
#44
2-Fluorobiphenyl
Concen: 73.909 ng
RT: 14.15 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Tgt Ion:172 Resp: 659978
Ion Ratio Lower Upper
172 100
171 36.2 30.0 45.0
170 24.1 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

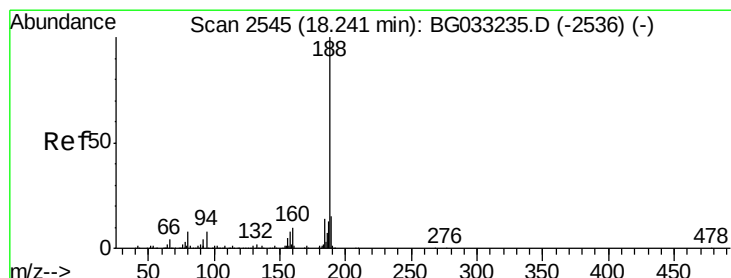
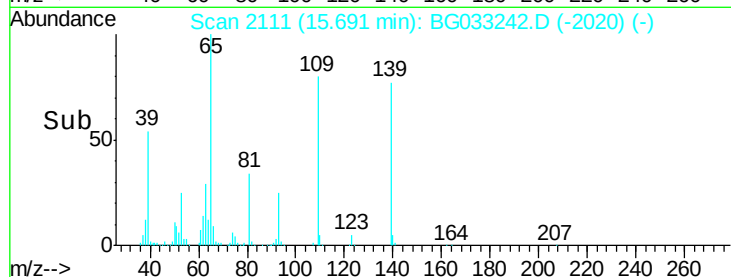
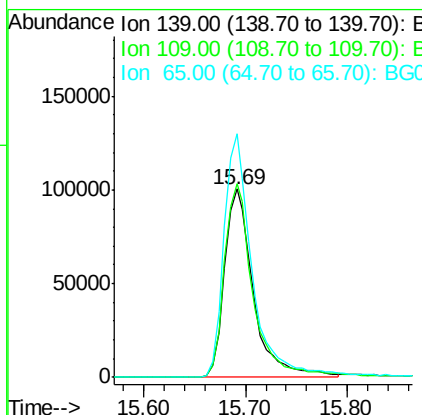
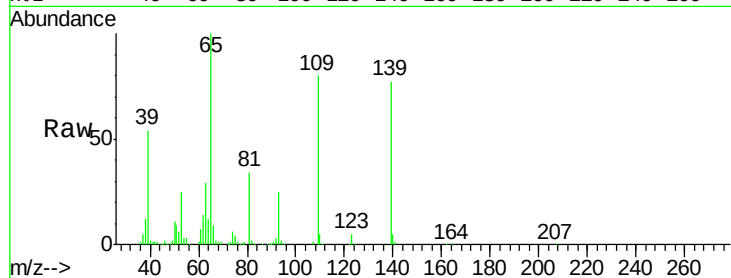




#55
4-Nitrophenol
Concen: 117.346 ng
RT: 15.69 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

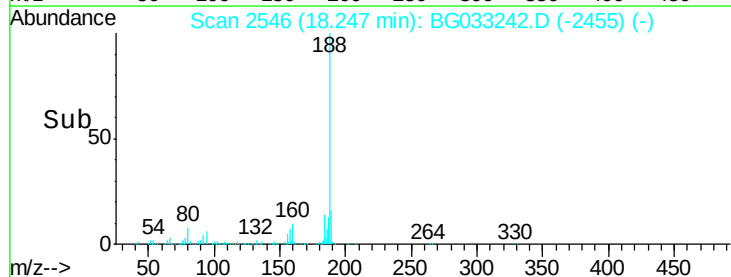
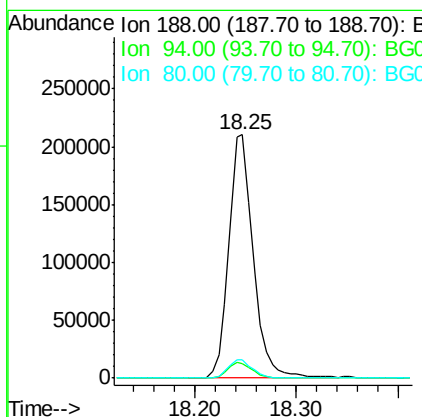
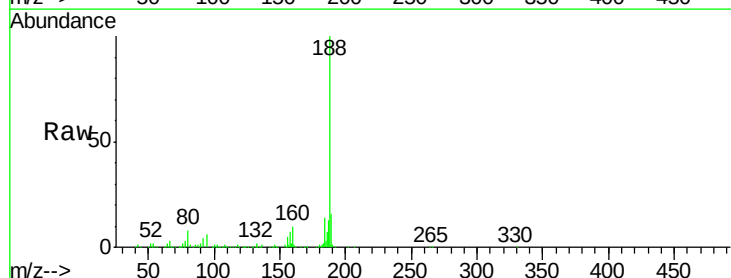
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

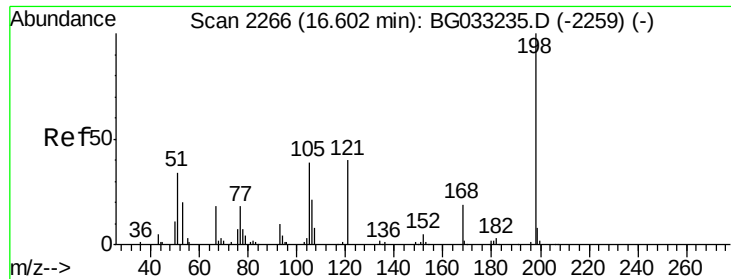
Tot Ion:139 Resp: 198443
Ion Ratio Lower Upper
139 100
109 103.2 62.2 102.2#
65 129.4 97.2 137.2



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Tgt Ion:188 Resp: 351675
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 7.5 7.7 11.5#

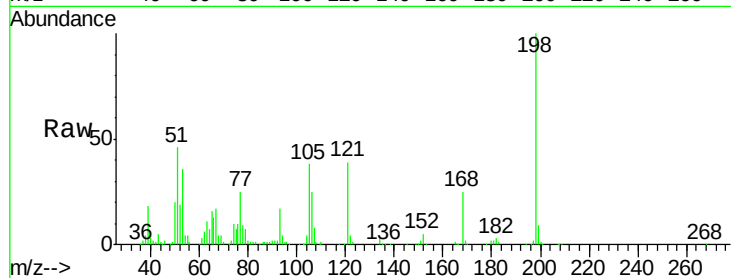




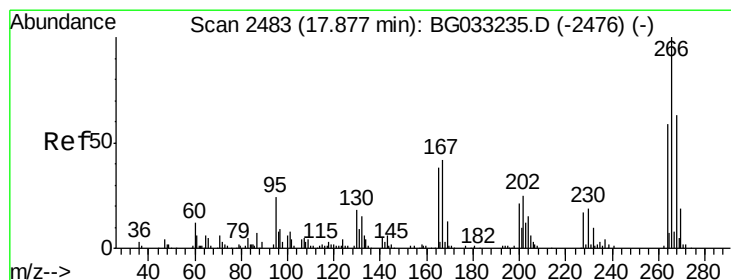
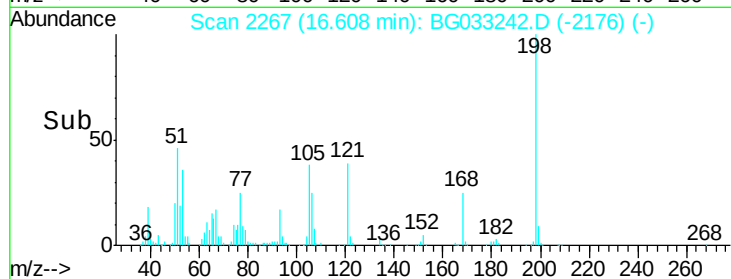
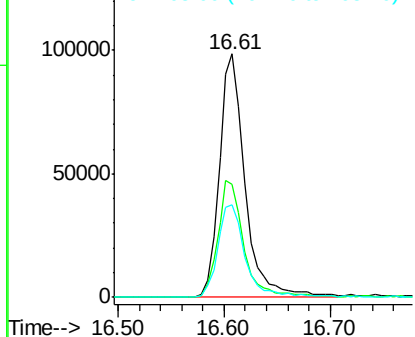
#64
4,6-Dinitro-2-methylphenol
Concen: 79.200 ng
RT: 16.61 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion:198 Resp: 166622
Ion Ratio Lower Upper
198 100
51 46.3 30.6 70.6
105 38.0 23.8 63.8

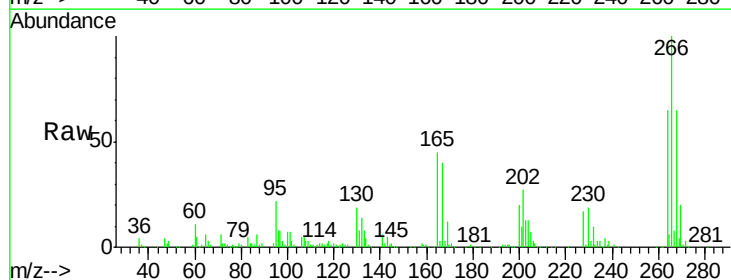


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

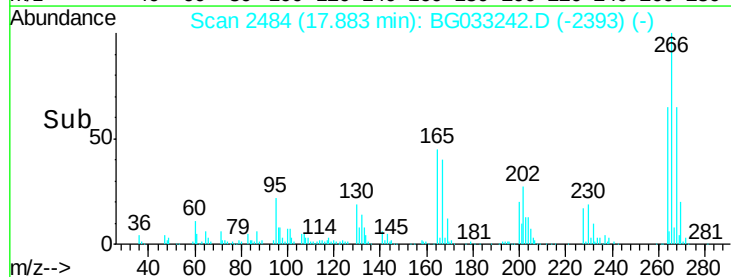
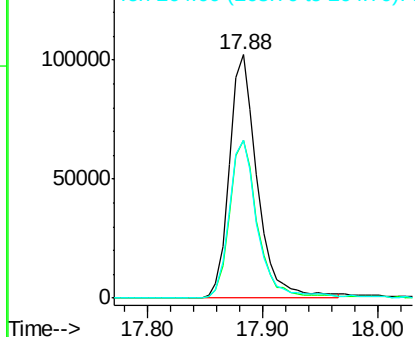


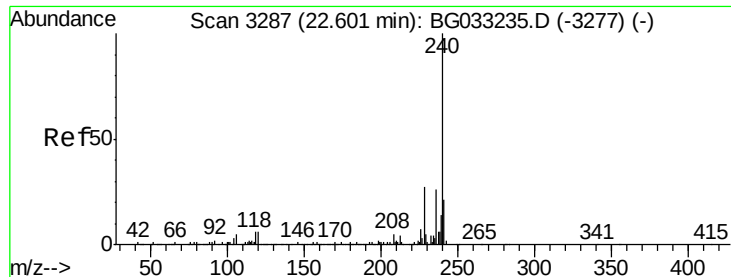
#69
Pentachlorophenol
Concen: 57.174 ng
RT: 17.88 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BG033242.D
Acq: 19 Mar 2018 16:27

Tgt Ion:266 Resp: 171044
Ion Ratio Lower Upper
266 100
268 64.9 51.1 76.7
264 64.8 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: BG033242.D

Acq: 19 Mar 2018 16:27

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

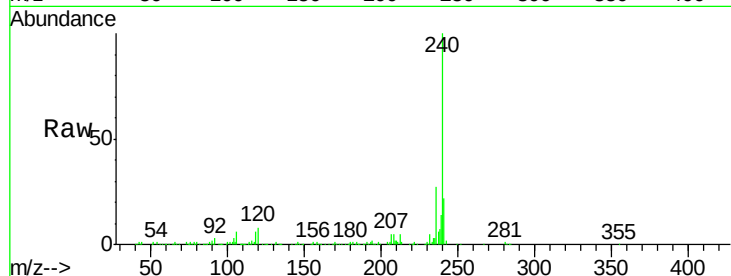
Tot Ion:240 Resp: 357758

Ion Ratio Lower Upper

240 100

120 8.1 6.8 10.2

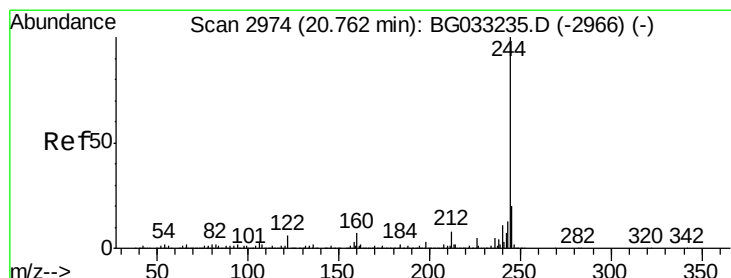
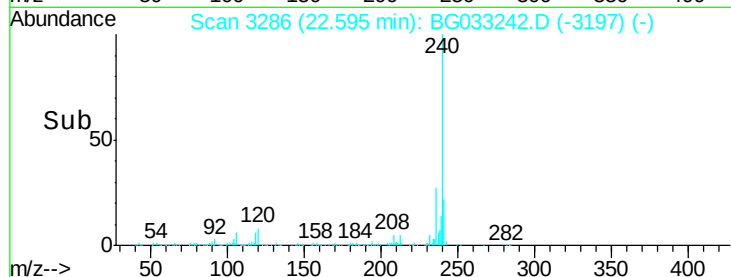
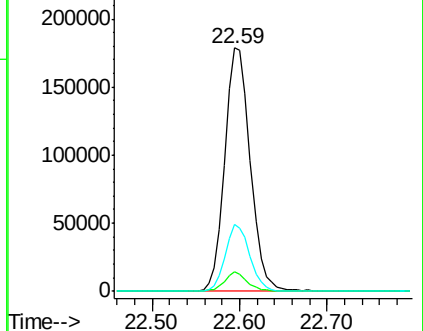
236 27.3 20.9 31.3



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: 81.515 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.00 min

Lab File: BG033242.D

Acq: 19 Mar 2018 16:27

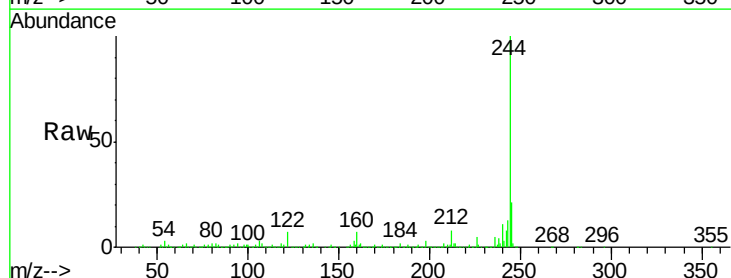
Tgt Ion:244 Resp: 1363627

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

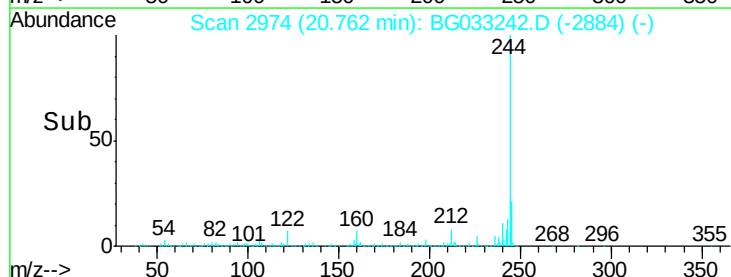
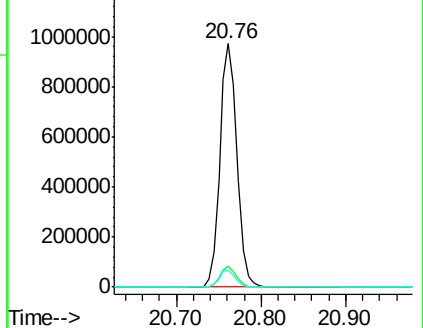
122 7.0 7.0 10.4

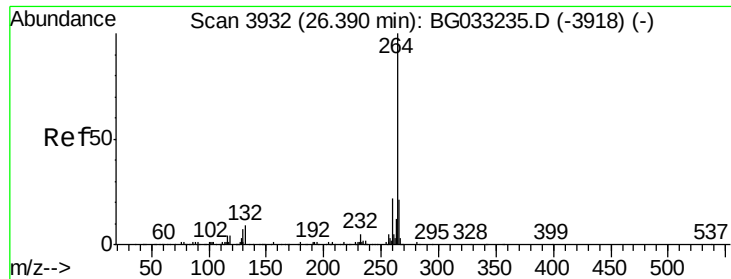


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG033242.D
 Acq: 19 Mar 2018 16:27

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	24.9	17.7	26.5

