

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092319\
 Data File : BG042916.D
 Acq On : 23 Sep 2019 15:59
 Operator : HP/JU
 Sample : K4839-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Sep 24 01:51:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 23 06:01:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	65926	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	241808	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	170796	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	400352	20.00	ng	0.00
76) Chrysene-d12	21.71	240	461765	20.00	ng	0.00
87) Perylene-d12	24.95	264	507027	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	567642	149.28	ng	0.00
7) Phenol-d6	7.26	99	829513	151.11	ng	0.00
23) Nitrobenzene-d5	9.24	82	523102	105.53	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	430512	159.83	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	1219070	104.72	ng	0.00
79) Terphenyl-d14	20.05	244	2320385	102.25	ng	0.00

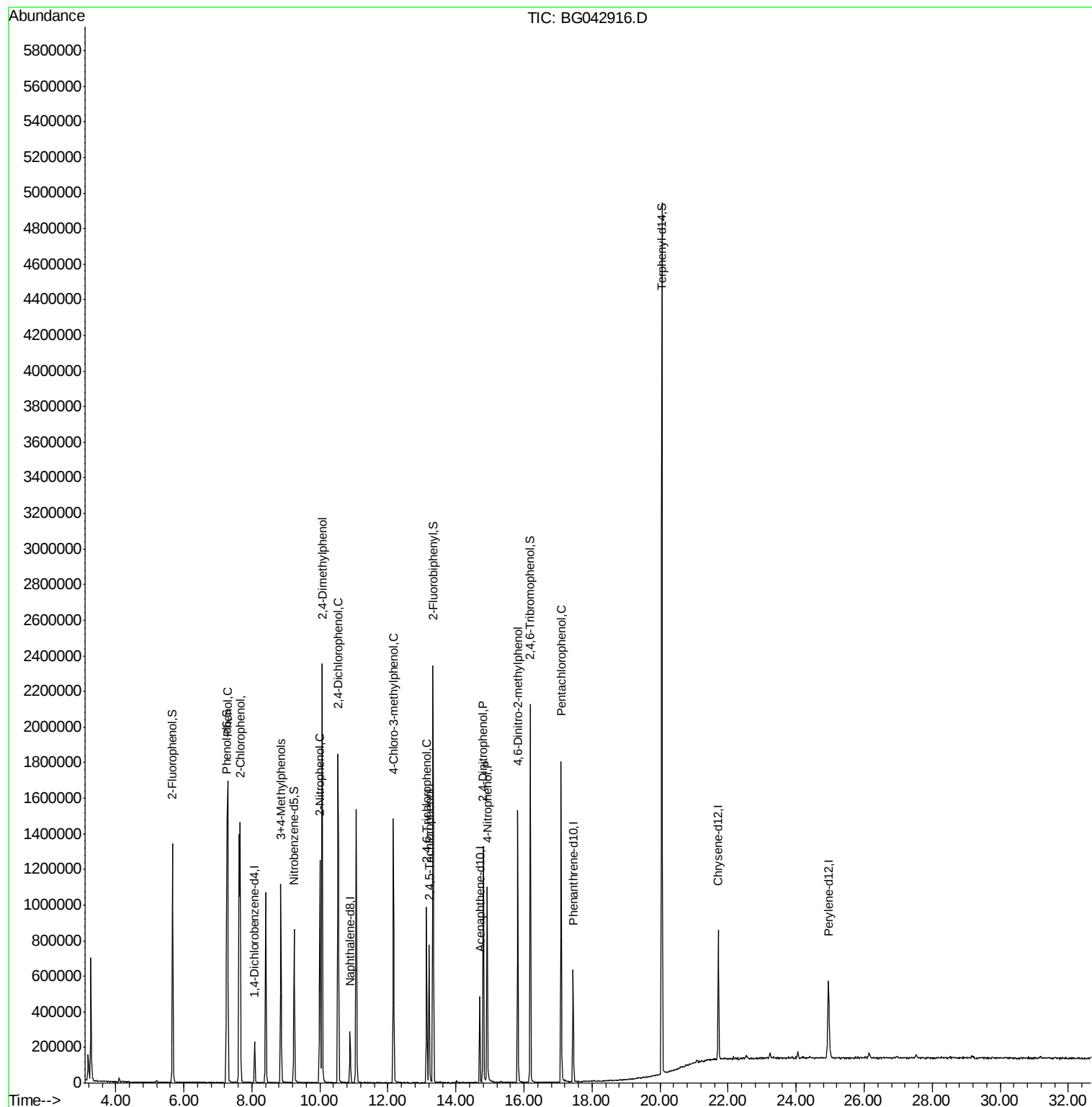
Target Compounds				Qvalue		
8) 2-Chlorophenol	7.66	128	572607	147.062	ng	97
10) Phenol	7.29	94	803522	157.032	ng	96
20) 3+4-Methylphenols	8.85	107	493562	101.706	ng	94
26) 2-Nitrophenol	10.00	139	378561	191.211	ng	96
27) 2,4-Dimethylphenol	10.07	122	661234	213.821	ng	96
29) 2,4-Dichlorophenol	10.54	162	678165	180.011	ng	98
36) 4-Chloro-3-methylphenol	12.16	107	511333	122.573	ng	97
43) 2,4,6-Trichlorophenol	13.14	196	250284	67.675	ng	94
44) 2,4,5-Trichlorophenol	13.21	196	225413	59.053	ng	98
54) 2,4-Dinitrophenol	14.80	184	299662	191.044	ng	97
56) 4-Nitrophenol	14.92	139	265210	124.443	ng	97
65) 4,6-Dinitro-2-methylphenol	15.82	198	378913	178.708	ng	98
70) Pentachlorophenol	17.09	266	353817	113.276	ng	98

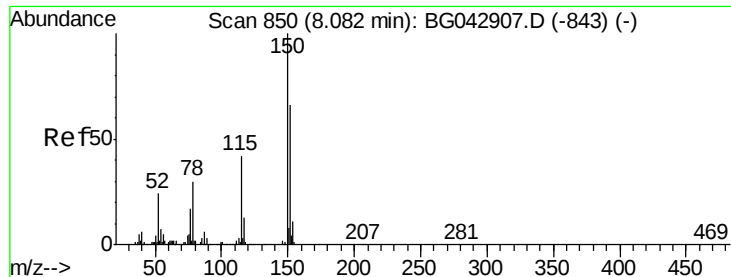
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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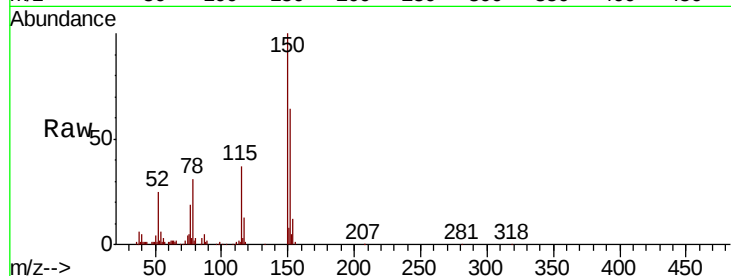


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	121.4	182.2
115	57.1	50.7	76.1

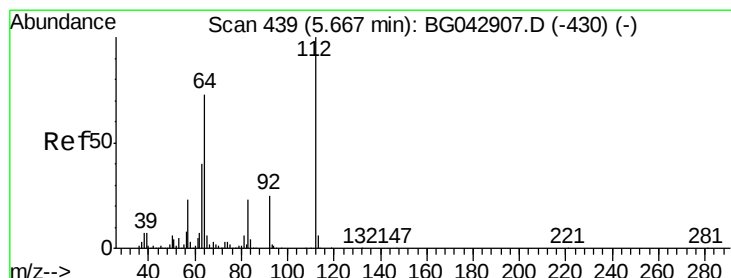
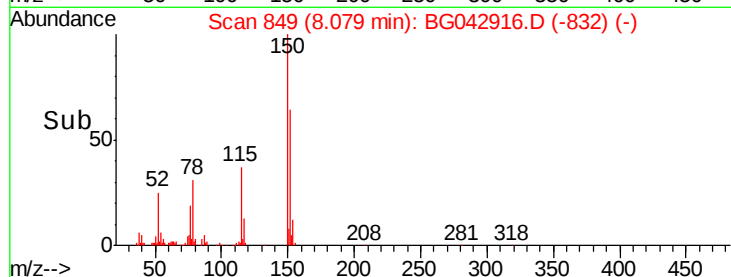
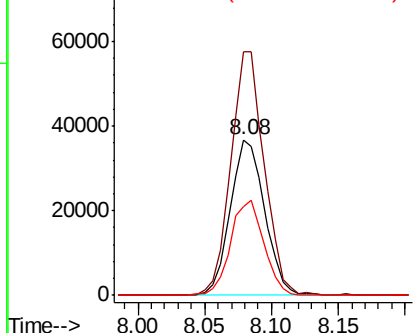


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

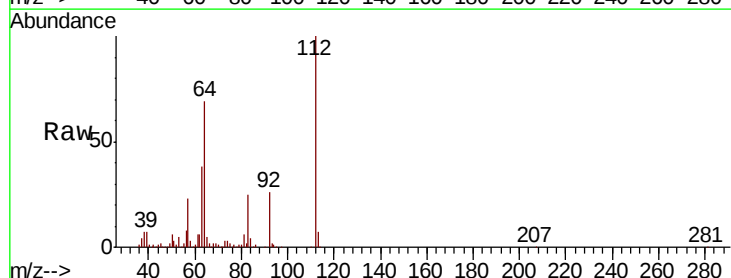
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 149.278 ng
RT: 5.67 min Scan# 439
Delta R.T. 0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	58.6	87.8
63	38.0	31.6	47.4

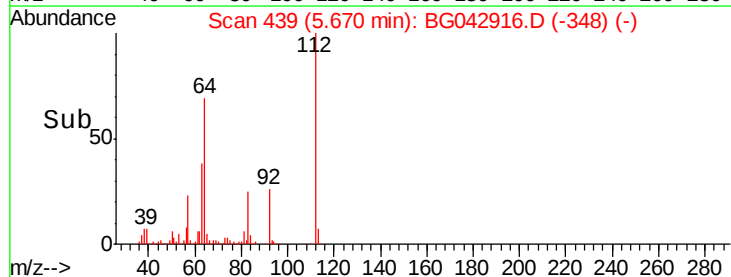
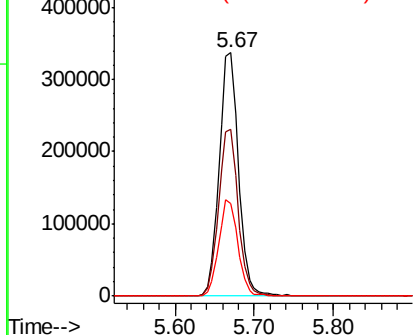


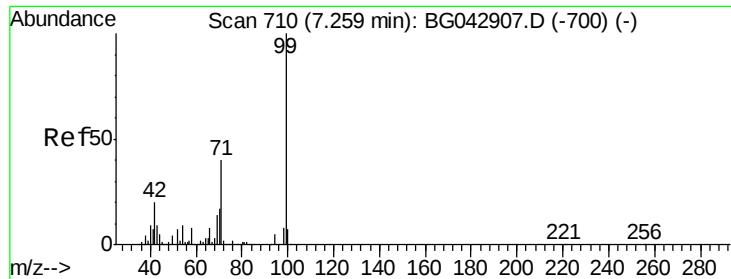
Abundance

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: 151.110 ng

RT: 7.26 min Scan# 710

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

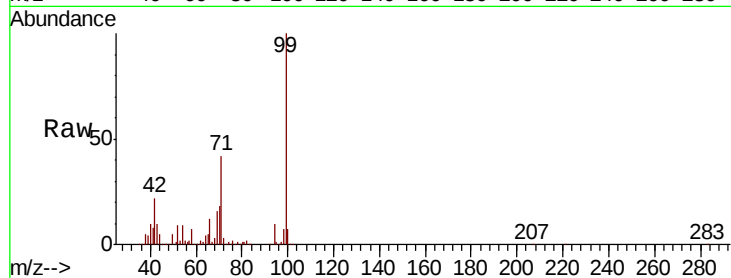
Tot Ion: 99 Resp: 829513

Ion Ratio Lower Upper

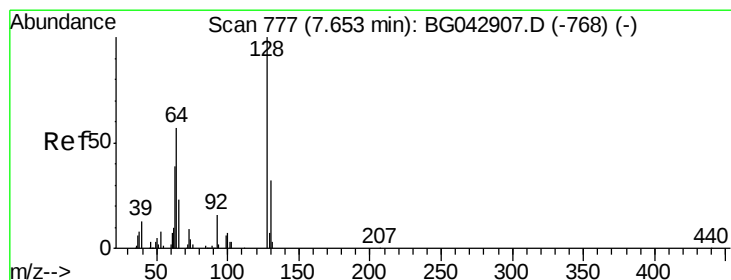
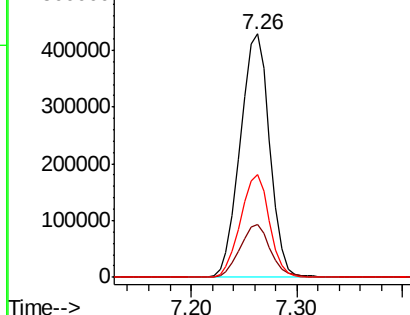
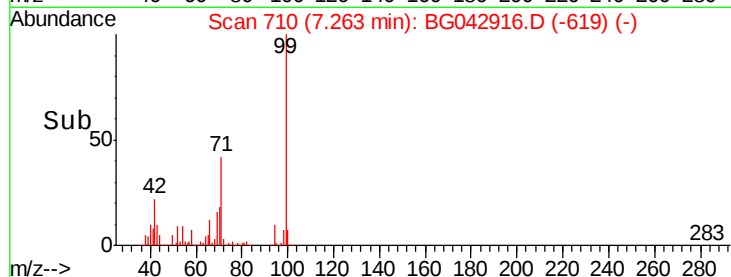
99 100

42 21.5 15.8 23.6

71 42.3 32.2 48.2



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: 147.062 ng

RT: 7.66 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

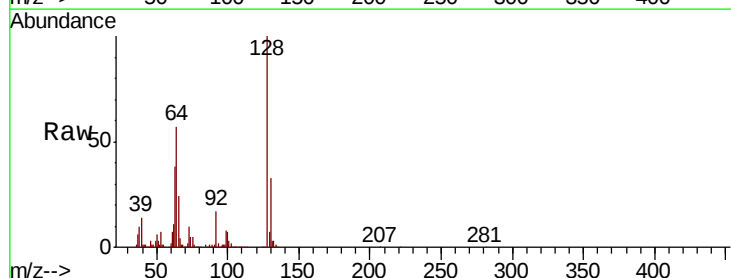
Tgt Ion:128 Resp: 572607

Ion Ratio Lower Upper

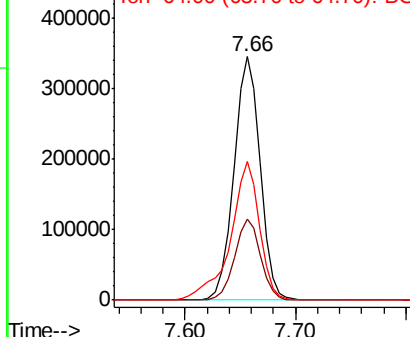
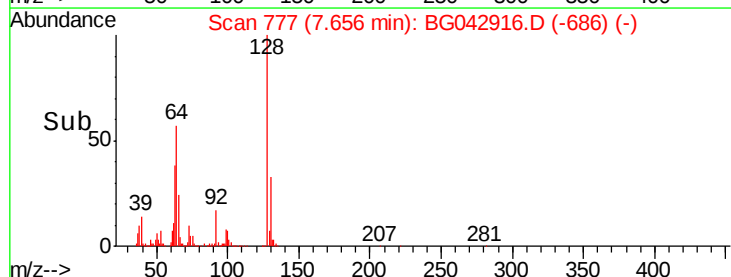
128 100

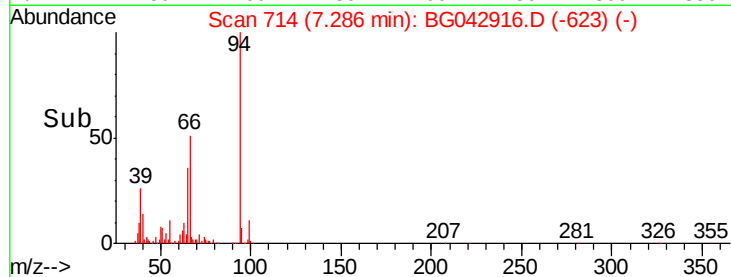
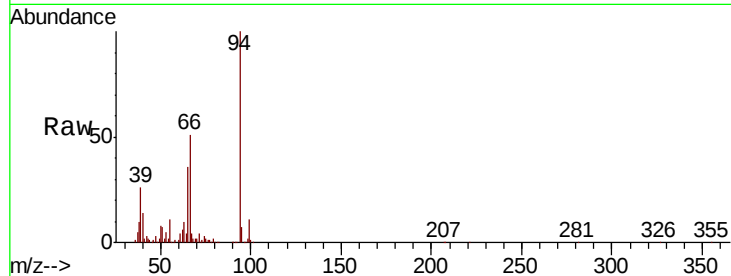
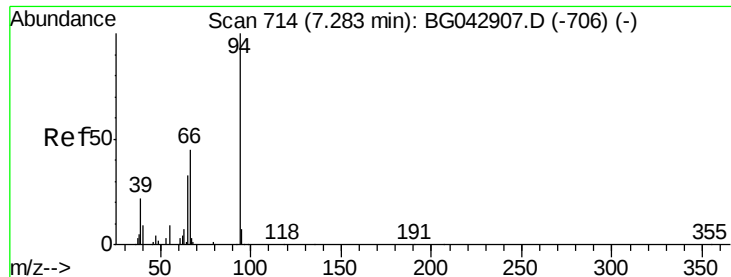
130 33.1 11.5 51.5

64 56.9 38.7 78.7



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: 157.032 ng

RT: 7.29 min Scan# 714

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

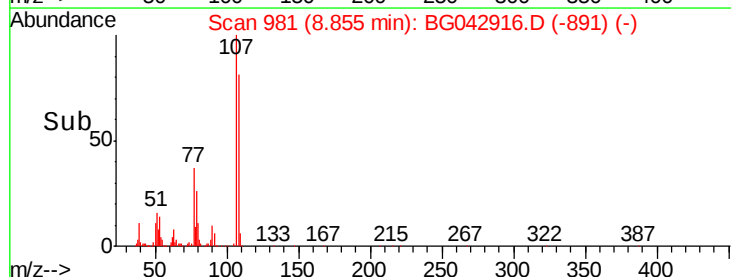
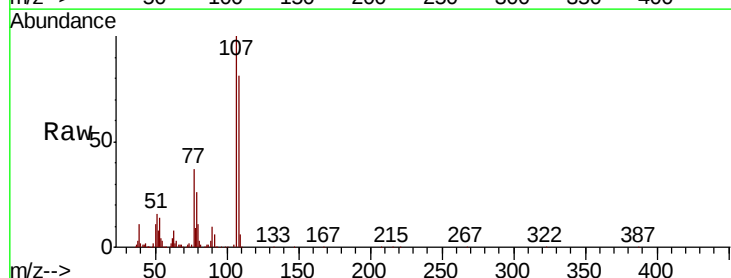
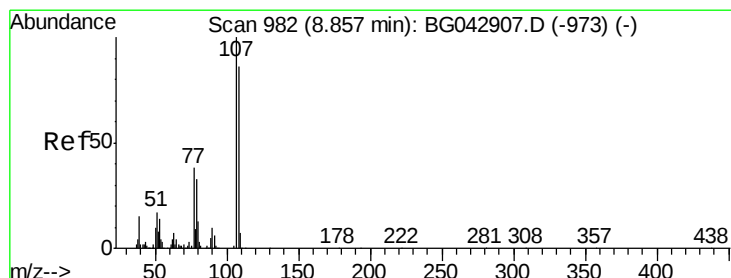
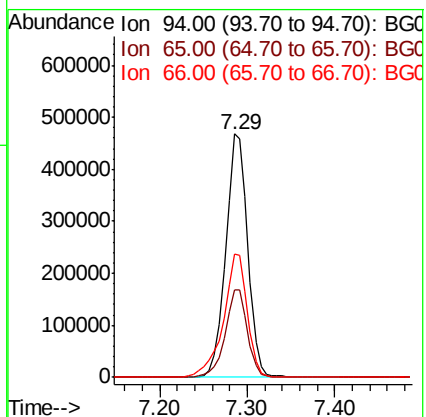
Tot Ion: 94 Resp: 803522

Ion Ratio Lower Upper

94 100

65 35.8 13.7 53.7

66 50.6 27.4 67.4



#20

3+4-Methylphenols

Concen: 101.706 ng

RT: 8.85 min Scan# 981

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Tgt Ion:107 Resp: 493562

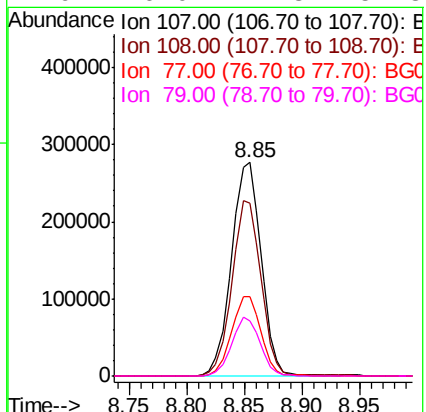
Ion Ratio Lower Upper

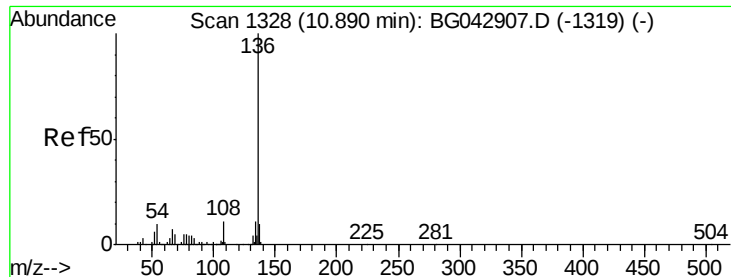
107 100

108 81.1 66.2 106.2

77 37.1 18.0 58.0

79 26.0 12.8 52.8

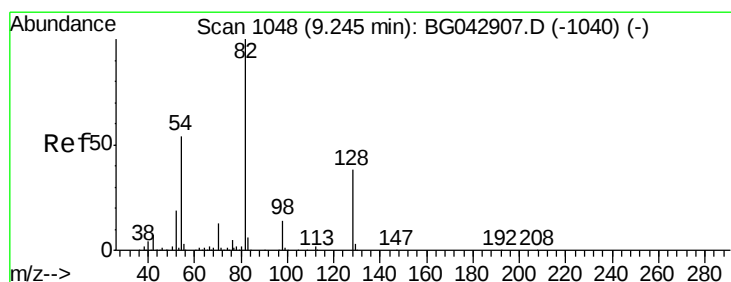
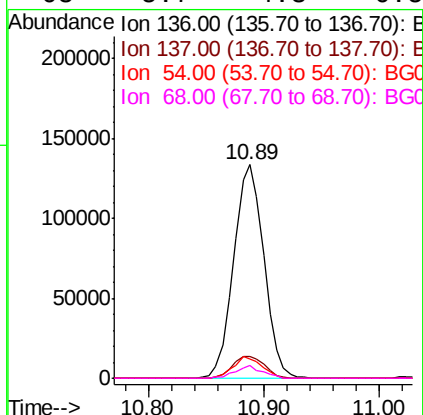
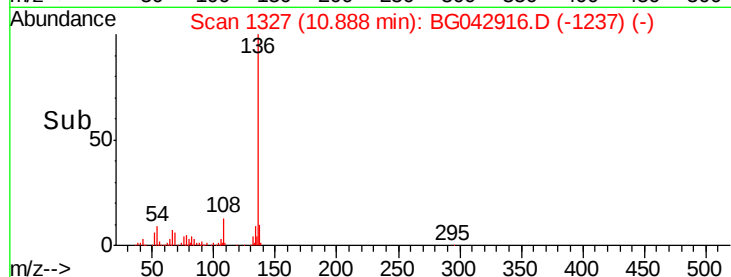
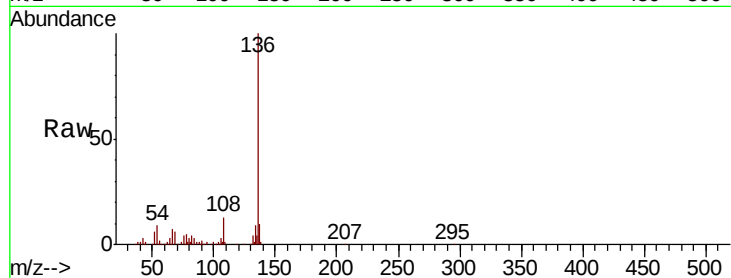




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

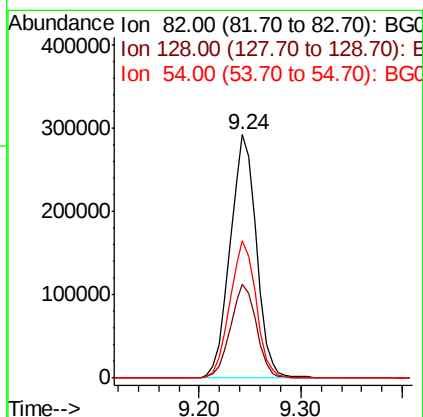
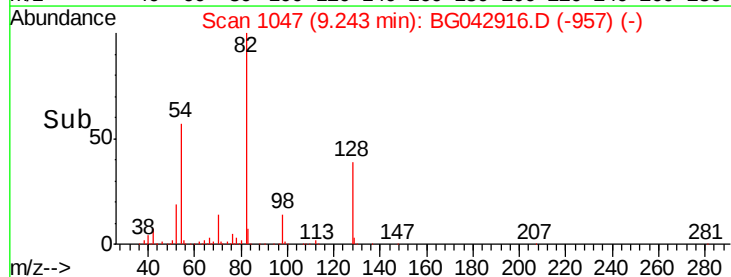
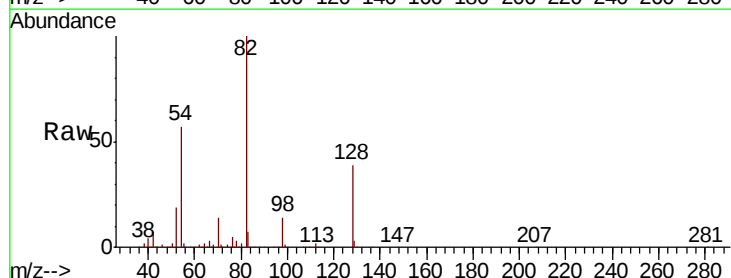
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

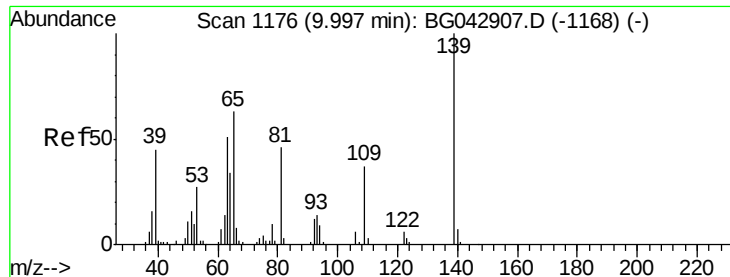
Tot Ion:136	Resp:	241808
Ion Ratio	Lower	Upper
136	100	
137	10.1	8.2 12.2
54	9.2	8.2 12.2
68	5.7	4.3 6.5



#23
Nitrobenzene-d5
Concen: 105.530 ng
RT: 9.24 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion: 82	Resp:	523102
Ion Ratio	Lower	Upper
82	100	
128	38.7	30.4 45.6
54	56.6	43.4 65.0

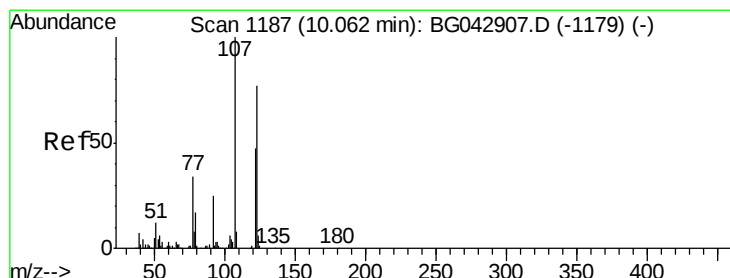
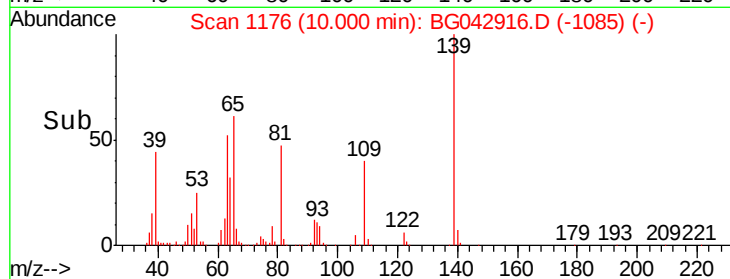
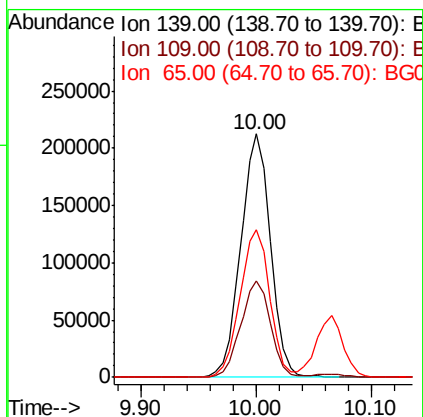
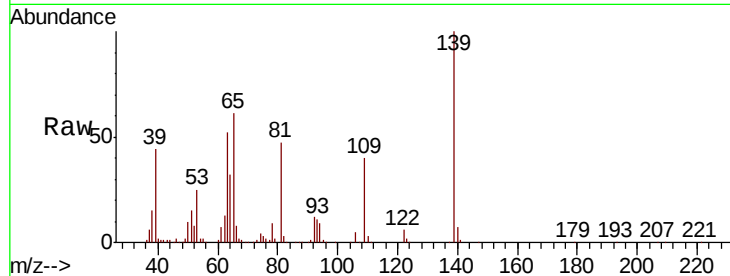




#26
2-Nitrophenol
Concen: 191.211 ng
RT: 10.00 min Scan# 1176
Delta R.T. 0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

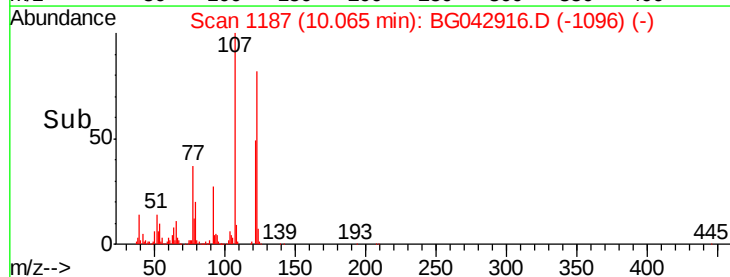
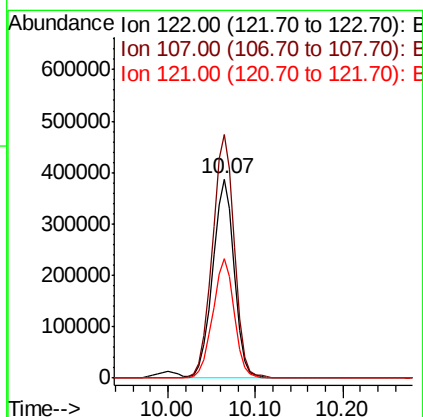
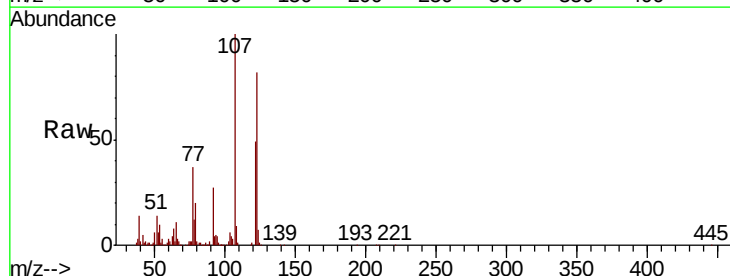
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

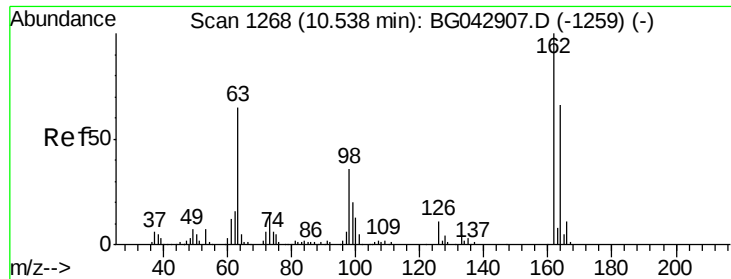
Tot Ion	Ratio	Lower	Upper
139	100		
109	39.8	29.3	43.9
65	60.8	51.1	76.7



#27
2,4-Dimethylphenol
Concen: 213.821 ng
RT: 10.07 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
122	100		
107	122.5	103.3	154.9
121	60.2	48.5	72.7

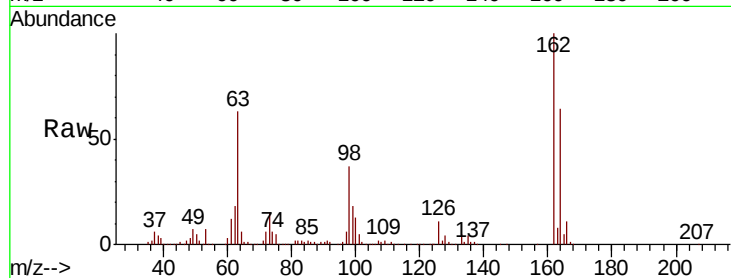




#29
2,4-Dichlorophenol
Concen: 180.011 ng
RT: 10.54 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.9	85.9
98	36.9	15.7	55.7

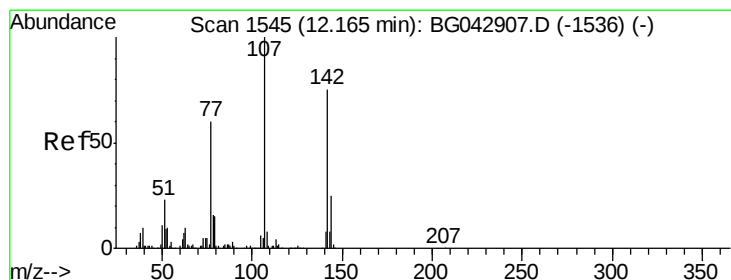
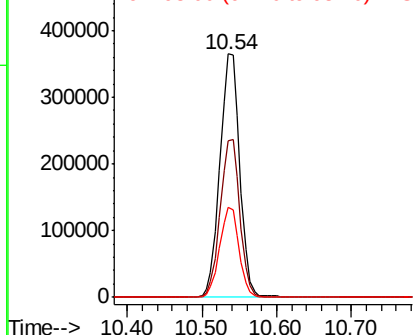
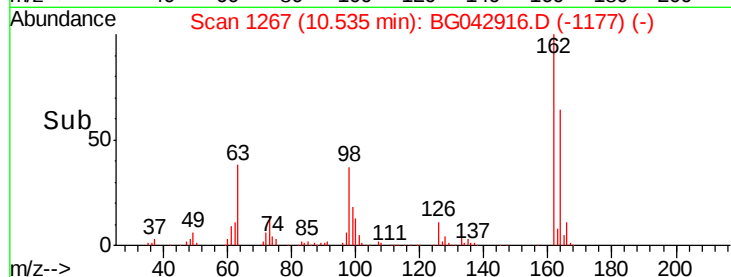


Abundance

Ion 162.00 (161.70 to 162.70): E

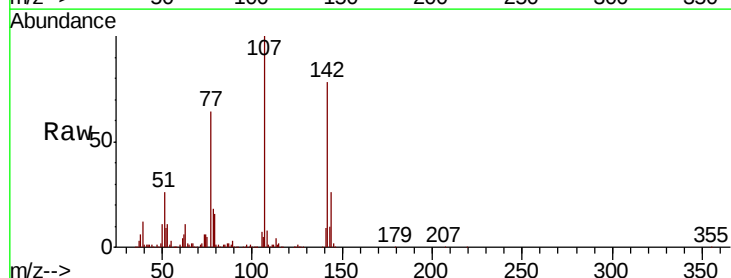
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#36
4-Chloro-3-methylphenol
Concen: 122.573 ng
RT: 12.16 min Scan# 1544
Delta R.T. -0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.3	30.5
142	78.0	59.8	89.8

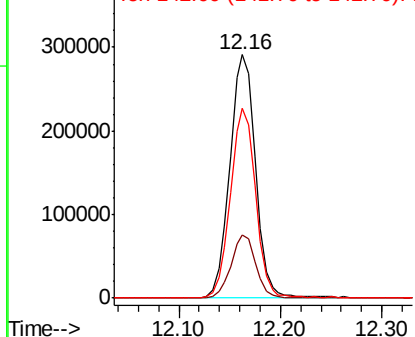
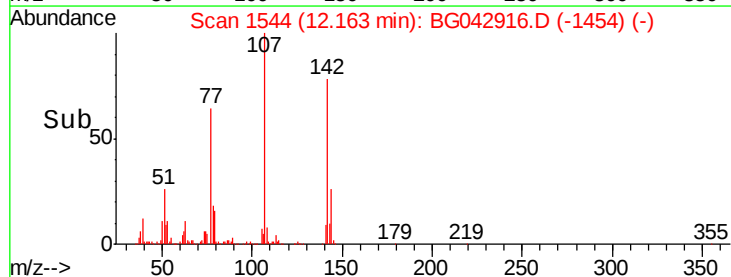


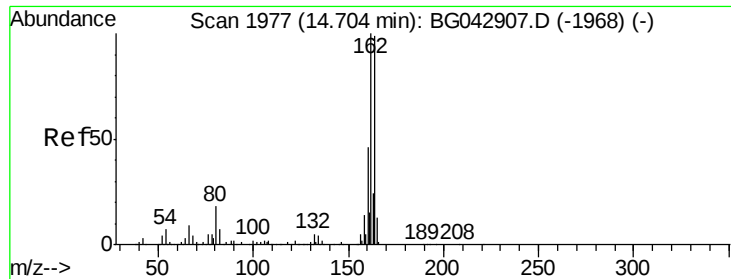
Abundance

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

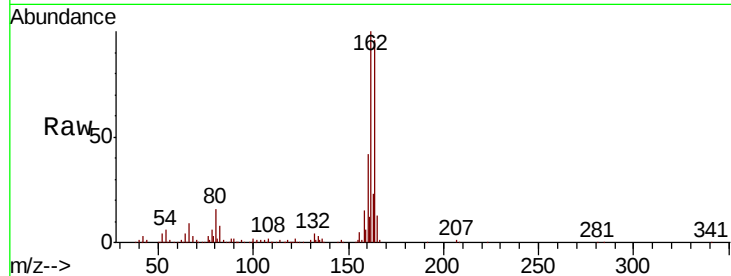
Tot Ion:164 Resp: 170796

Ion Ratio Lower Upper

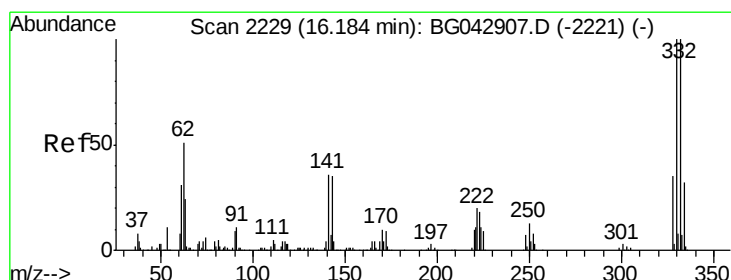
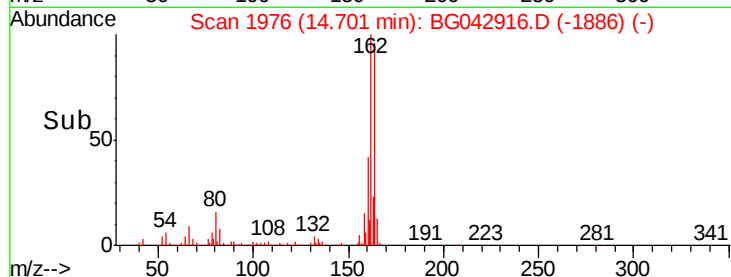
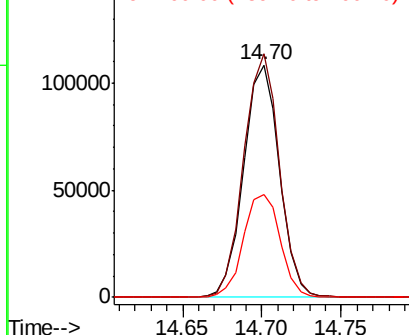
164 100

162 104.7 81.2 121.8

160 44.1 37.0 55.6



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: 159.831 ng

RT: 16.19 min Scan# 2229

Delta R.T. 0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

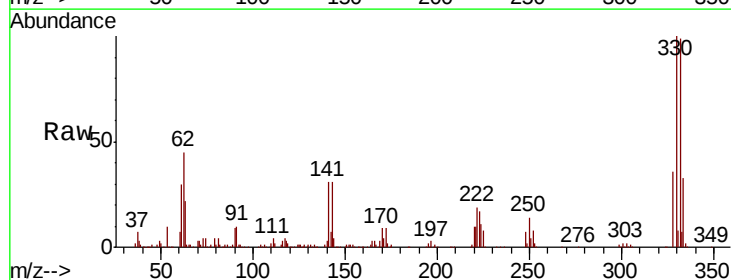
Tgt Ion:330 Resp: 430512

Ion Ratio Lower Upper

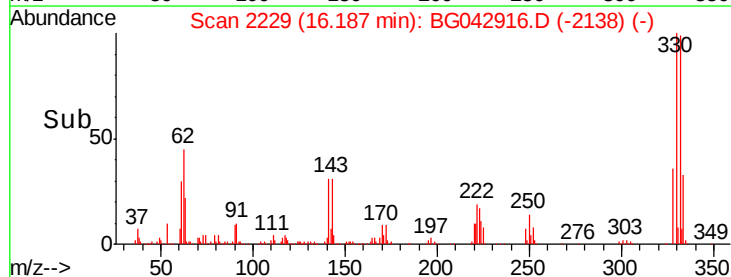
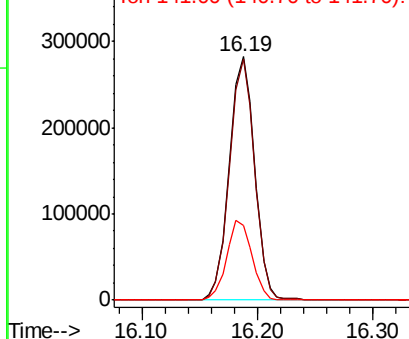
330 100

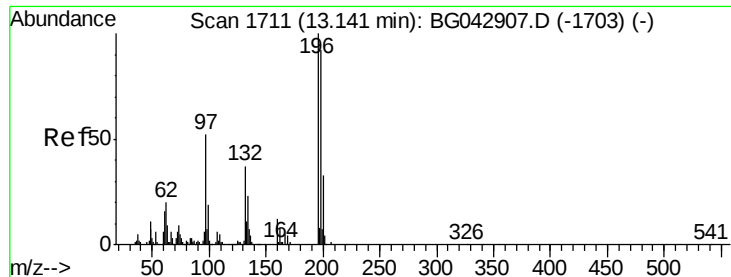
332 97.9 77.4 116.2

141 32.5 26.5 39.7



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

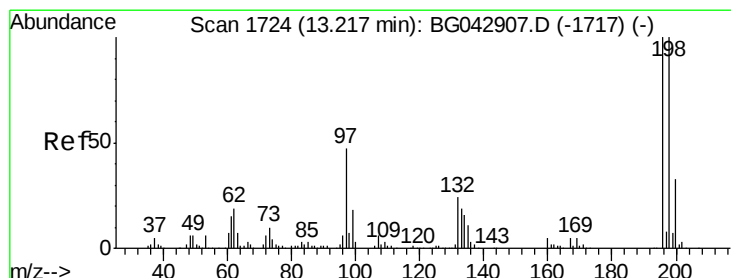
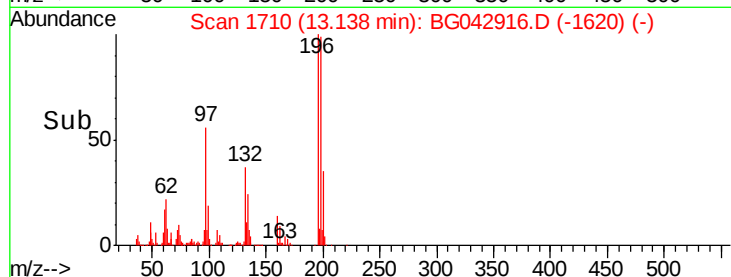
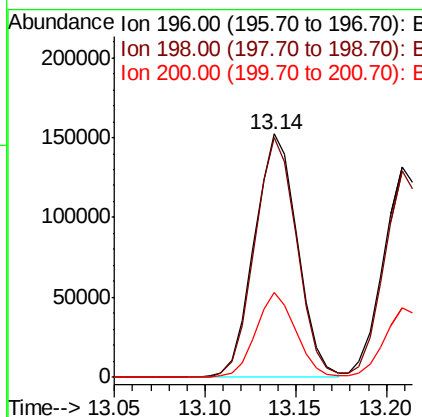
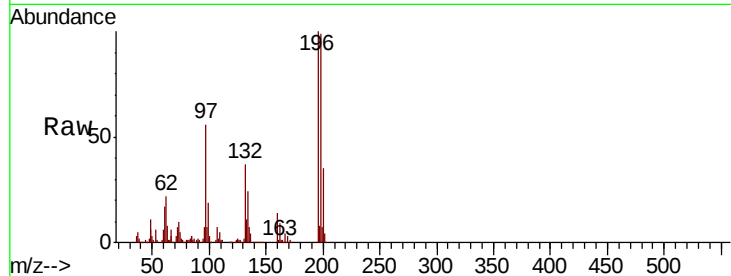




#43
 2,4,6-Trichlorophenol
 Concen: 67.675 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

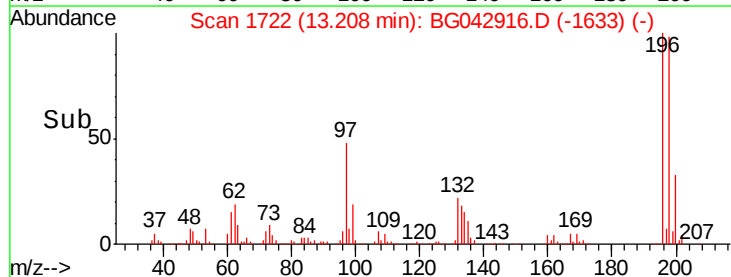
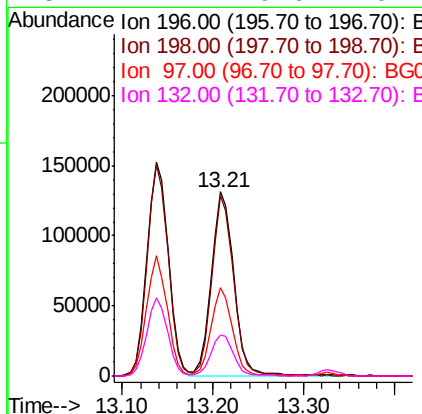
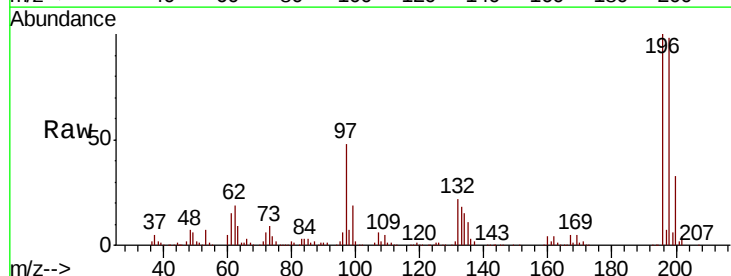
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

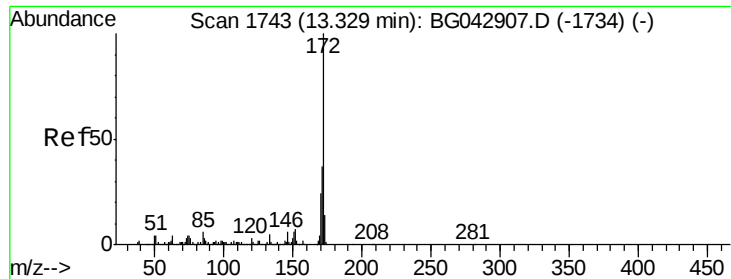
Tot Ion:196 Resp: 250284
 Ion Ratio Lower Upper
 196 100
 198 98.6 73.5 110.3
 200 35.1 26.0 39.0



#44
 2,4,5-Trichlorophenol
 Concen: 59.053 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

Tgt Ion:196 Resp: 225413
 Ion Ratio Lower Upper
 196 100
 198 98.1 80.0 120.0
 97 48.2 38.0 57.0
 132 22.4 19.6 29.4





#45

2-Fluorobiphenyl

Concen: 104.717 ng

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

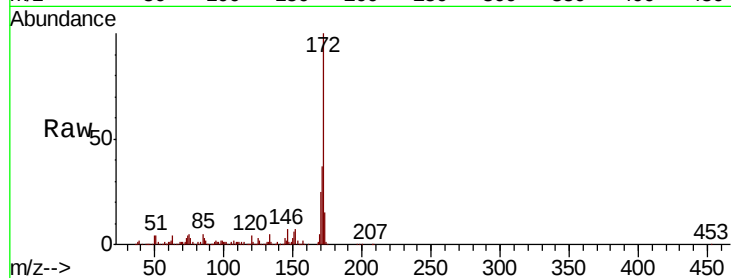
Tot Ion:172 Resp: 1219070

Ion Ratio Lower Upper

172 100

171 37.5 29.7 44.5

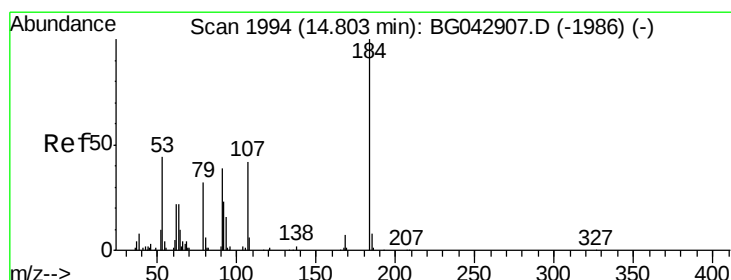
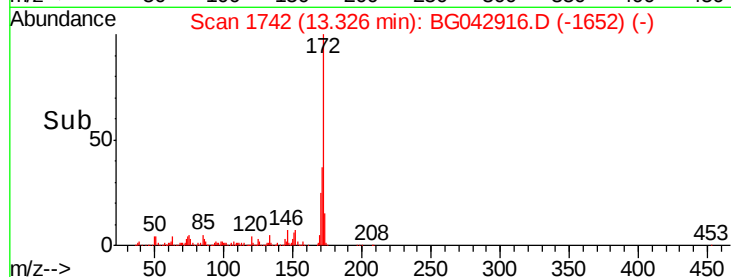
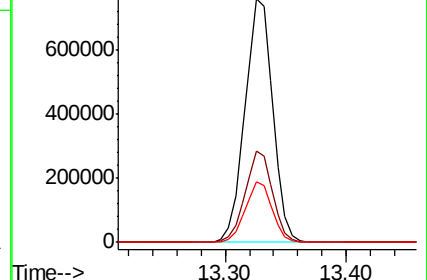
170 25.0 19.5 29.3



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



#54

2,4-Dinitrophenol

Concen: 191.044 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

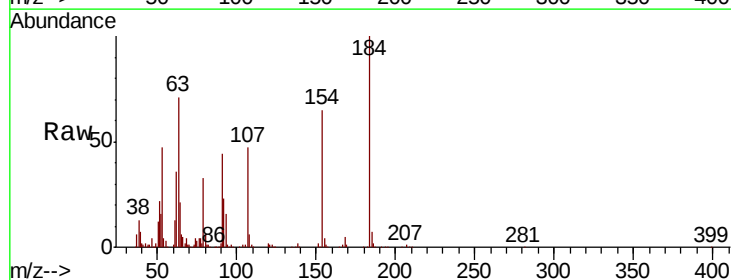
Tgt Ion:184 Resp: 299662

Ion Ratio Lower Upper

184 100

63 70.9 55.0 82.4

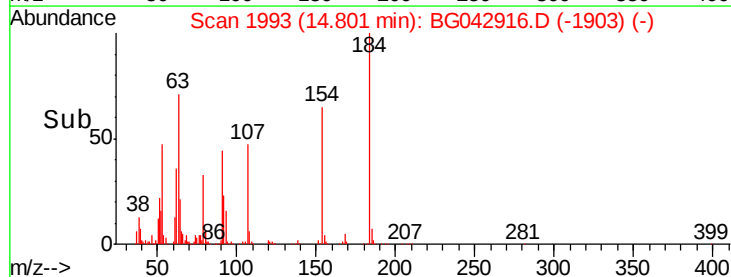
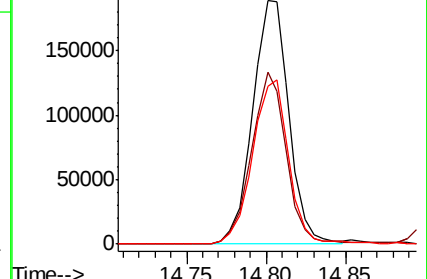
154 64.9 54.2 81.4

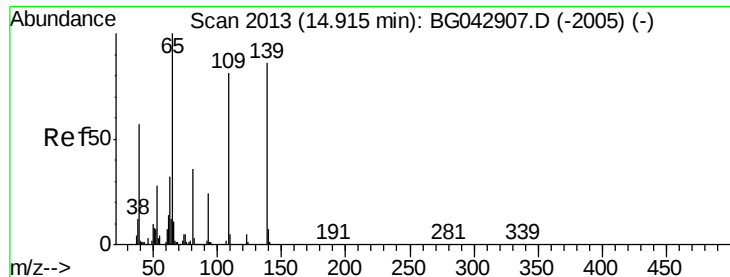


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

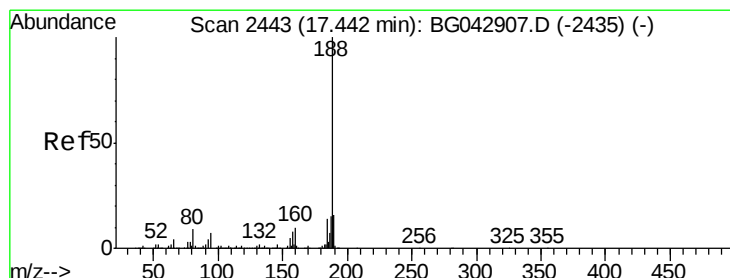
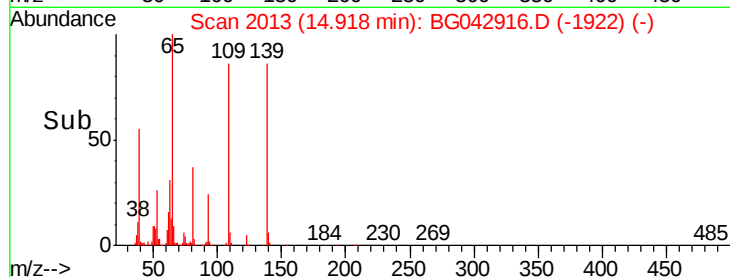
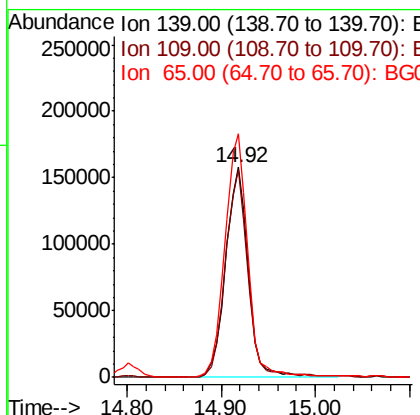
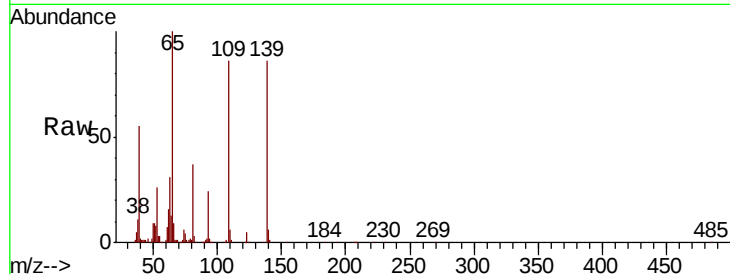




#56
4-Nitrophenol
Concen: 124.443 ng
RT: 14.92 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

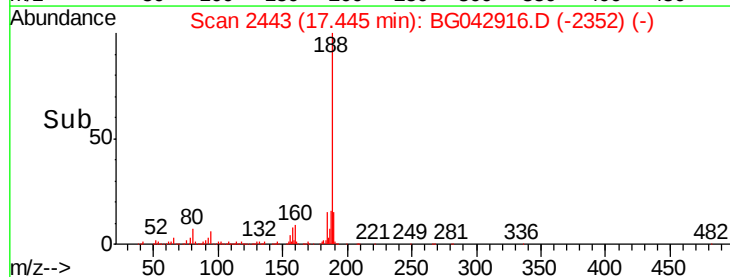
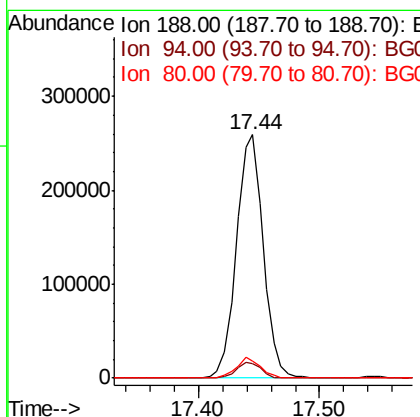
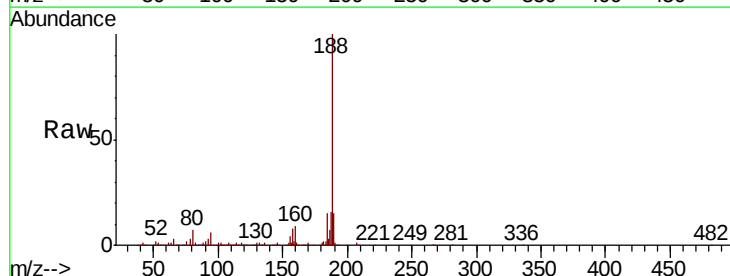
Instrument :
BNA_G
ClientSampleId :
PT-ACIDS-WP

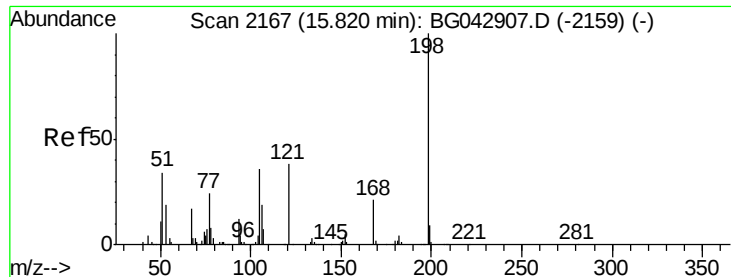
Tot Ion	Ratio	Lower	Upper
139	100		
109	99.2	73.4	113.4
65	115.9	96.0	136.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG042916.D
Acq: 23 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.7	8.5
80	7.1	6.9	10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 178.708 ng

RT: 15.82 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

Instrument :

BNA_G

ClientSampleId :

PT-ACIDS-WP

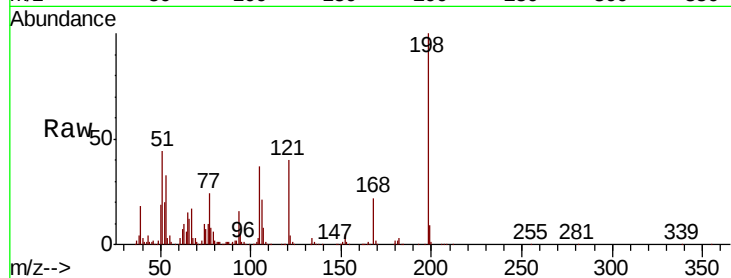
Tot Ion:198 Resp: 378913

Ion	Ratio	Lower	Upper
198	100		
51	43.5	21.9	61.9
105	37.4	17.7	57.7

198 100

51 43.5 21.9 61.9

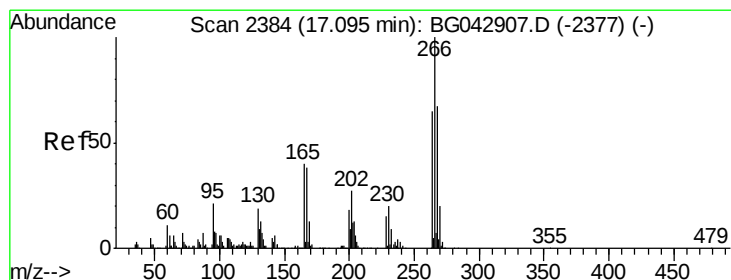
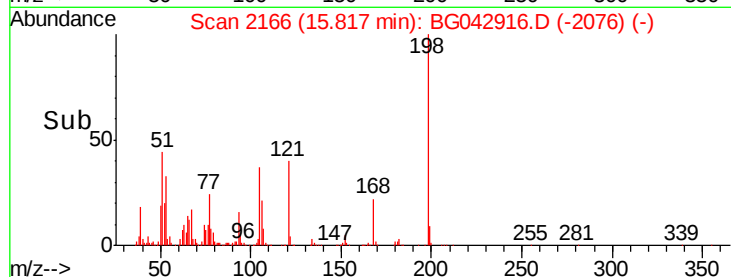
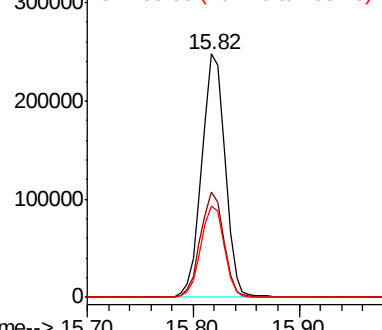
105 37.4 17.7 57.7



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



#70

Pentachlorophenol

Concen: 113.276 ng

RT: 17.09 min Scan# 2383

Delta R.T. -0.00 min

Lab File: BG042916.D

Acq: 23 Sep 2019 15:59

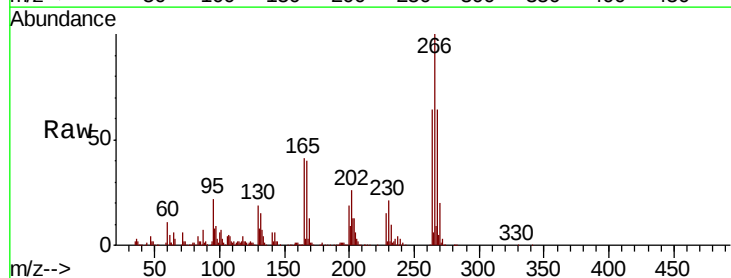
Tgt Ion:266 Resp: 353817

Ion	Ratio	Lower	Upper
266	100		
268	63.7	53.6	80.4
264	64.4	51.7	77.5

266 100

268 63.7 53.6 80.4

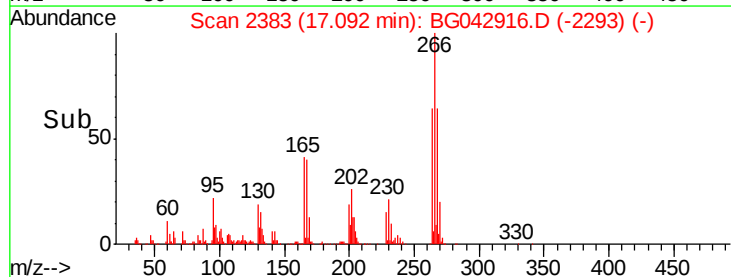
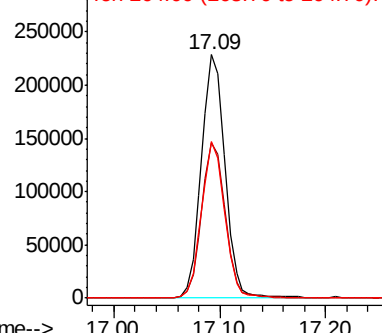
264 64.4 51.7 77.5

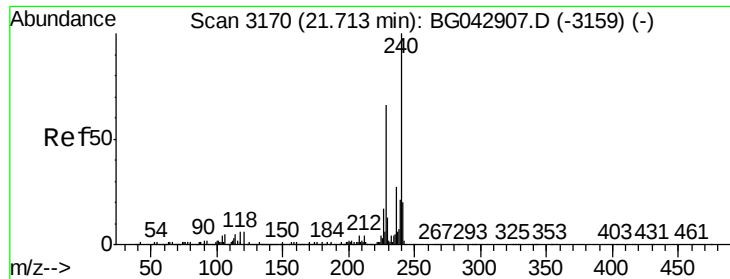


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

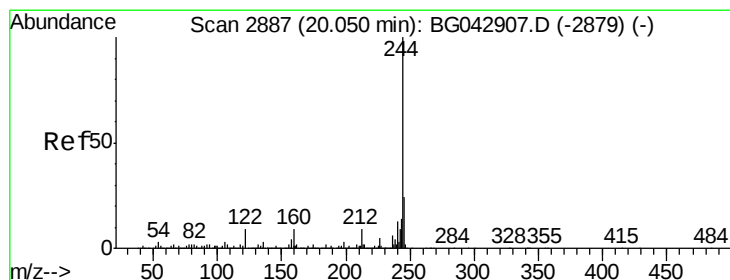
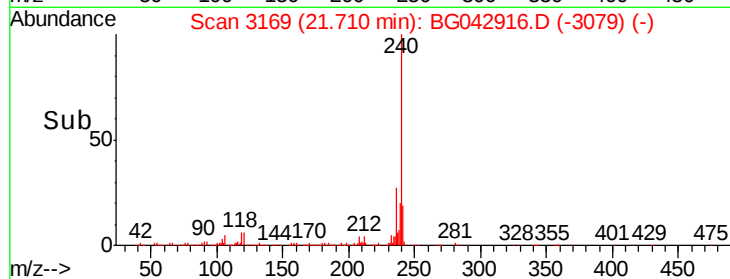
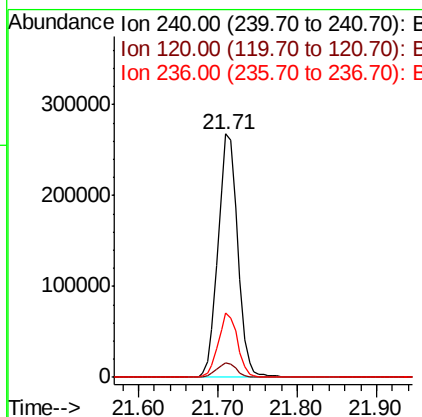
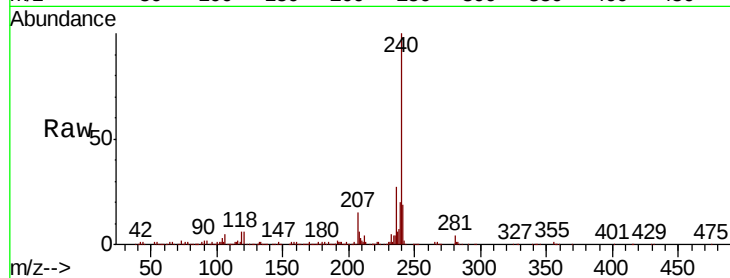




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

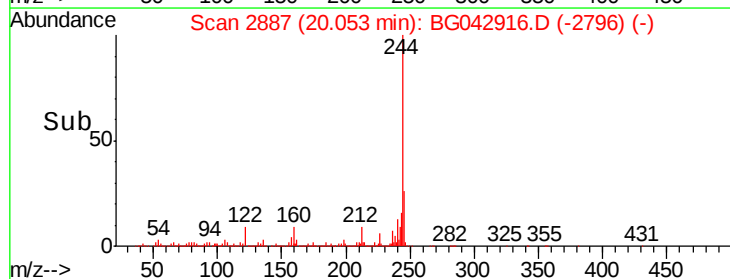
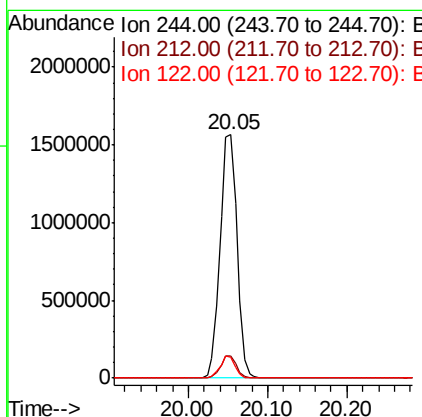
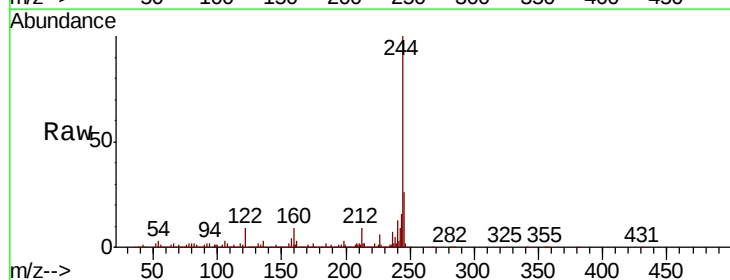
Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

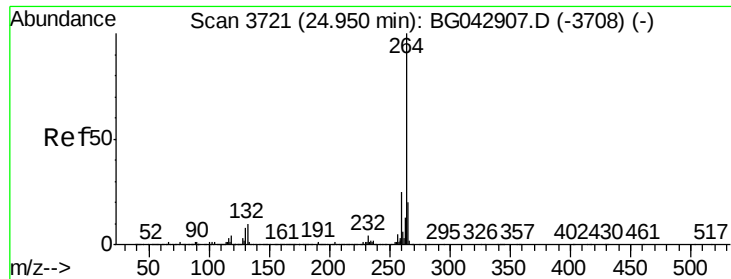
Tot Ion:240 Resp: 461765
 Ion Ratio Lower Upper
 240 100
 120 6.1 5.2 7.8
 236 26.6 21.7 32.5



#79
 Terphenyl-d14
 Concen: 102.248 ng
 RT: 20.05 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

Tgt Ion:244 Resp: 2320385
 Ion Ratio Lower Upper
 244 100
 212 9.1 7.1 10.7
 122 8.7 6.9 10.3





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.95 min Scan# 3720
 Delta R.T. -0.00 min
 Lab File: BG042916.D
 Acq: 23 Sep 2019 15:59

Instrument :
 BNA_G
 ClientSampleId :
 PT-ACIDS-WP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	20.4	30.6
265	22.3	17.0	25.4

