

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092319\
 Data File : BG042915.D
 Acq On : 23 Sep 2019 15:20
 Operator : HP/JU
 Sample : K4839-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BN-WP

Quant Time: Sep 24 02:20:39 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	72419	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	266604	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	188857	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	455452	20.00	ng	0.00
76) Chrysene-d12	21.71	240	490780	20.00	ng	0.00
87) Perylene-d12	24.95	264	561533	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	511766	122.52	ng	0.00
7) Phenol-d6	7.25	99	752957	124.87	ng	0.00
23) Nitrobenzene-d5	9.25	82	472519	86.46	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	367121	123.26	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	1174396	91.23	ng	0.00
79) Terphenyl-d14	20.05	244	2232270	92.55	ng	0.00

Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.88	42	219703	93.807	ng	96
12) 1,3-Dichlorobenzene	7.97	146	415650	76.990	ng	98
13) 1,4-Dichlorobenzene	8.12	146	504447	92.936	ng	99
14) 1,2-Dichlorobenzene	8.44	146	263844	51.214	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.62	45	341143	40.066	ng	97
18) Hexachloroethane	9.17	117	258705	130.080	ng	95
19) n-Nitroso-di-n-propylamine	8.89	70	298252	74.155	ng	# 98
24) Nitrobenzene	9.29	77	519431	98.103	ng	99
25) Isophorone	9.80	82	168095	17.215	ng	98
28) bis(2-Chloroethoxy)methane	10.29	93	176229	31.273	ng	99
30) 1,2,4-Trichlorobenzene	10.74	180	306878	57.789	ng	96
34) Hexachlorobutadiene	11.23	225	483512	126.165	ng	97
37) 2-Methylnaphthalene	12.54	142	793374	80.050	ng	99
41) Hexachlorocyclopentadiene	12.88	237	454606	106.085	ng	93
47) 2-Chloronaphthalene	13.58	162	435703	40.138	ng	97
49) Acenaphthylene	14.43	152	1949832	118.740	ng	95
50) Dimethylphthalate	14.16	163	1616723	116.983	ng	97
51) 2,6-Dinitrotoluene	14.28	165	125932	42.780	ng	97
52) Acenaphthene	14.77	154	1473784	135.597	ng	98
55) Dibenzofuran	15.10	168	1397257	86.662	ng	97
57) 2,4-Dinitrotoluene	15.06	165	358745	85.870	ng	99
60) Diethylphthalate	15.52	149	1690670	121.245	ng	# 91
61) 4-Chlorophenyl-phenylether	15.74	204	678265	84.037	ng	97
66) n-Nitrosodiphenylamine	15.95	169	450768	36.819	ng	98
68) Hexachlorobenzene	16.75	284	466290	75.432	ng	# 93
75) Fluoranthene	19.49	202	1847606	65.916	ng	96
78) Pyrene	19.85	202	1994081	68.126	ng	97
80) Butylbenzylphthalate	20.74	149	1253287	110.881	ng	96
83) Chrysene	21.76	228	883894	30.241	ng	99
84) Bis(2-ethylhexyl)phthalate	21.61	149	761449	47.633	ng	96
85) Di-n-octyl phthalate	22.83	149	2690066	101.700	ng	99
86) Indeno(1,2,3-cd)pyrene	28.64	276	1383565	37.968	ng	# 95
89) Benzo(k)fluoranthene	24.00	252	2684362	86.897	ng	95
92) Benzo(g,h,i)perylene	29.81	276	1852907	62.645	ng	98

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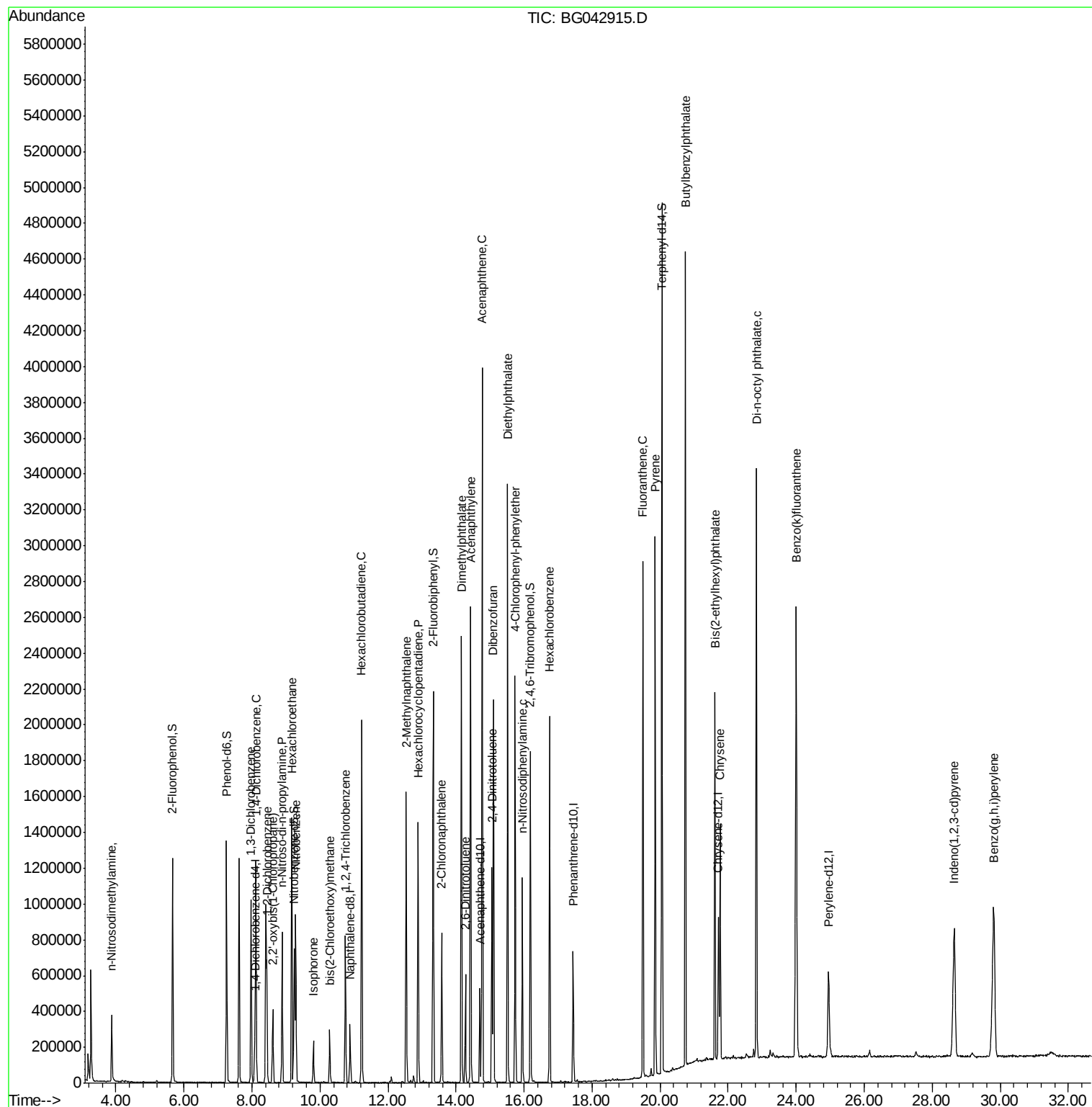
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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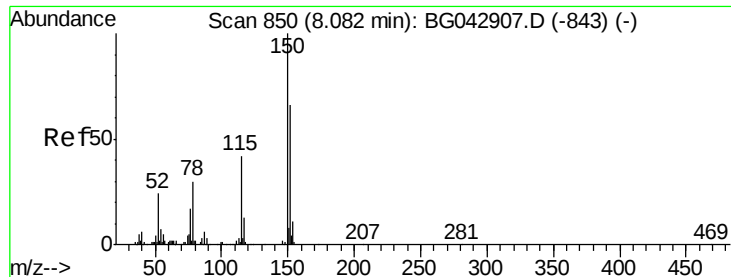
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.08 min Scan# 850

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

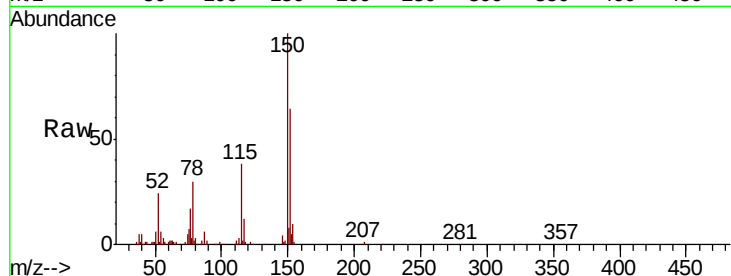
Tot Ion:152 Resp: 72419

Ion Ratio Lower Upper

152 100

150 155.2 121.4 182.2

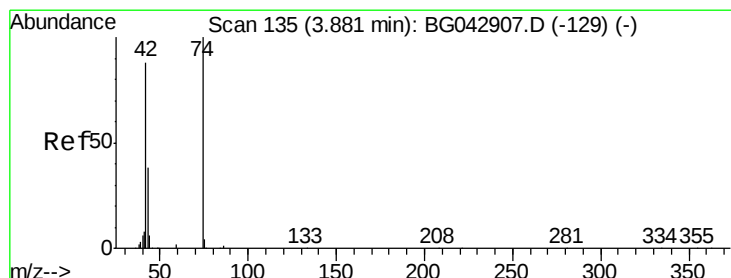
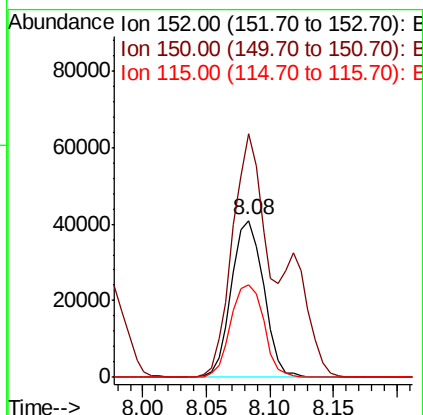
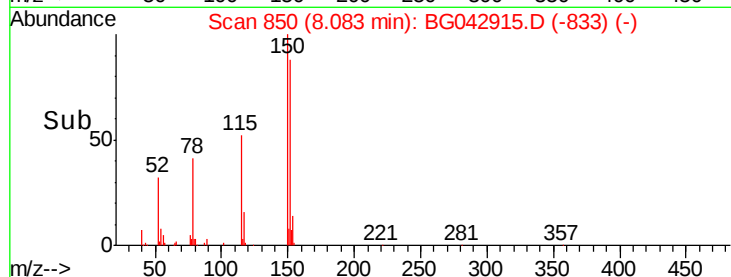
115 59.2 50.7 76.1



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



#4

n-Nitrosodimethylamine

Concen: 93.807 ng

RT: 3.88 min Scan# 134

Delta R.T. -0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

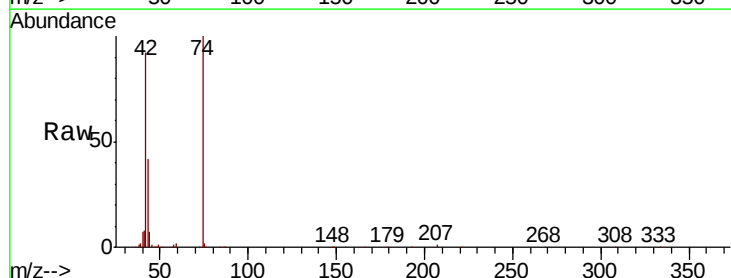
Tgt Ion: 42 Resp: 219703

Ion Ratio Lower Upper

42 100

74 108.7 90.5 135.7

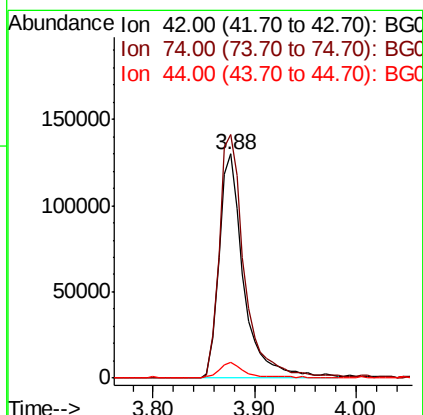
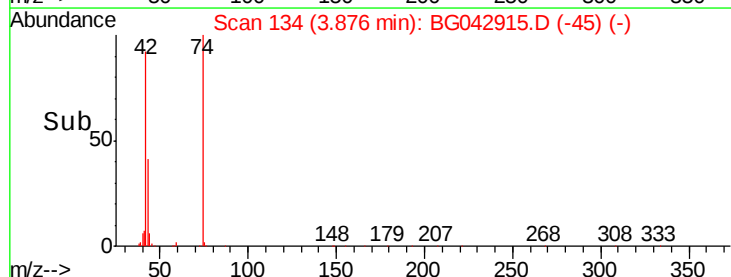
44 7.3 5.8 8.8

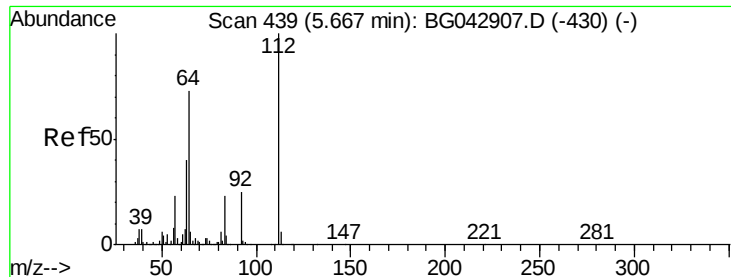


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 122.517 ng

RT: 5.67 min Scan# 439

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

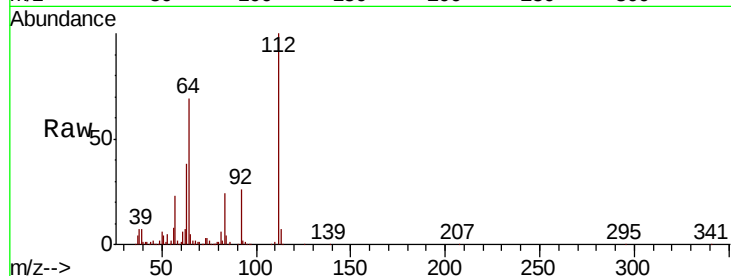
Tot Ion:112 Resp: 511766

Ion Ratio Lower Upper

112 100

64 69.5 58.6 87.8

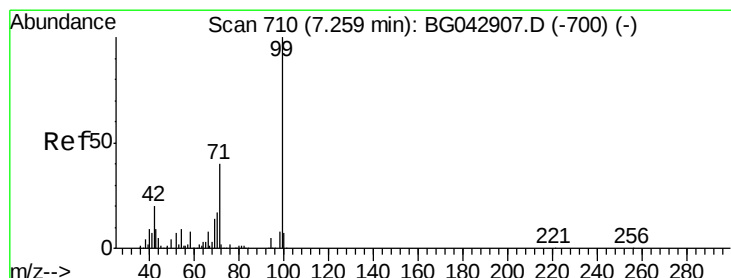
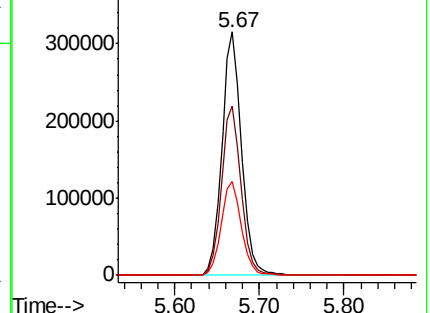
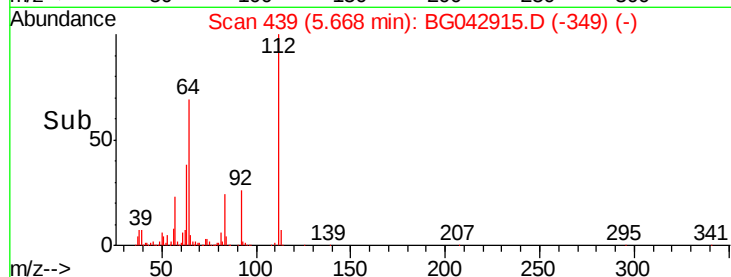
63 38.5 31.6 47.4



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 124.866 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

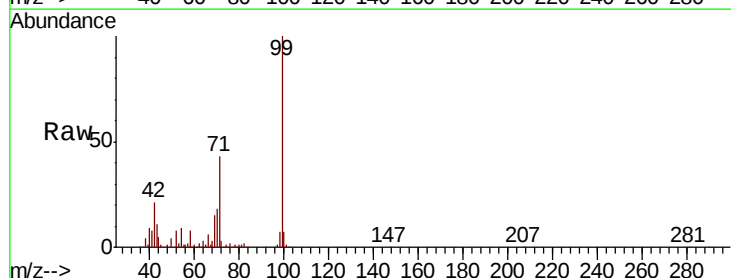
Tgt Ion: 99 Resp: 752957

Ion Ratio Lower Upper

99 100

42 21.0 15.8 23.6

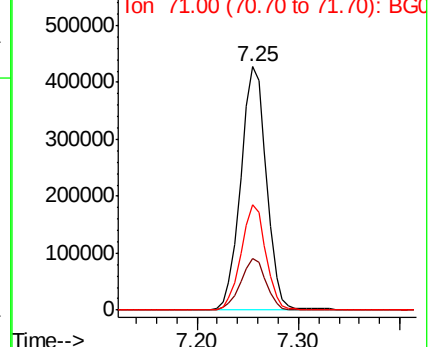
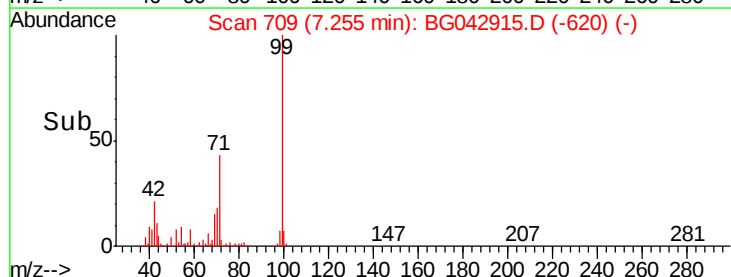
71 43.1 32.2 48.2

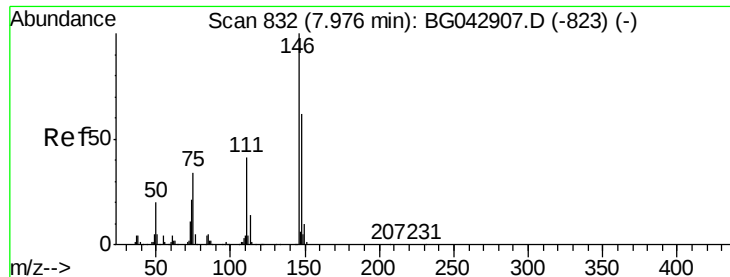


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#12

1,3-Dichlorobenzene

Concen: 76.990 ng

RT: 7.97 min Scan# 831

Delta R.T. -0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

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PT-BN-WP

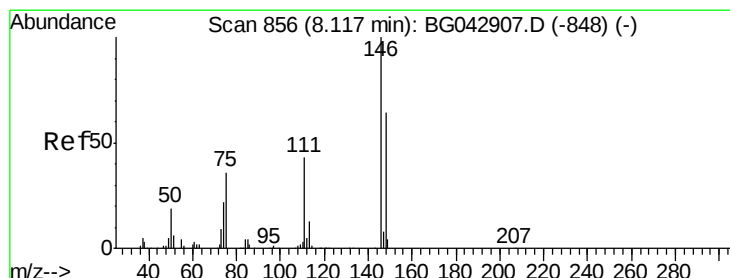
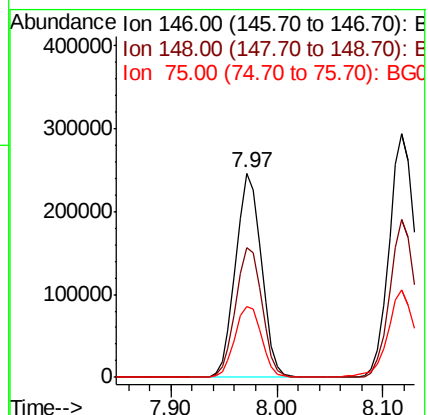
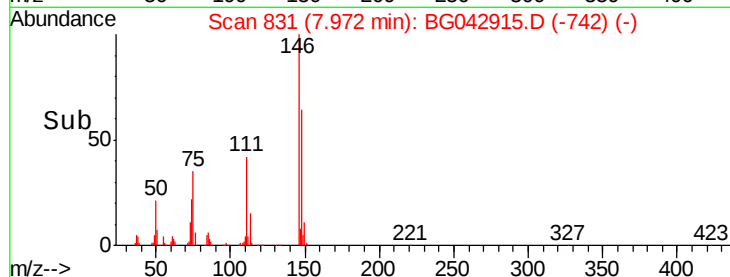
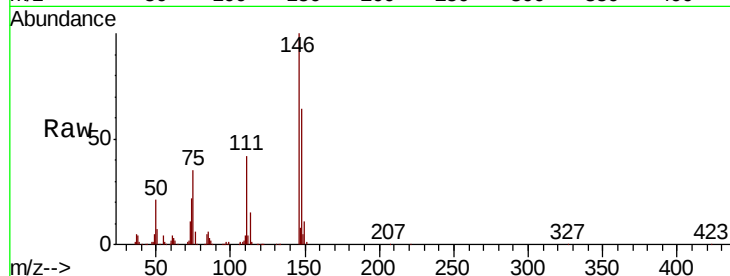
Tot Ion:146 Resp: 415650

Ion Ratio Lower Upper

146 100

148 63.5 49.4 74.0

75 34.8 27.0 40.6



#13

1,4-Dichlorobenzene

Concen: 92.936 ng

RT: 8.12 min Scan# 856

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

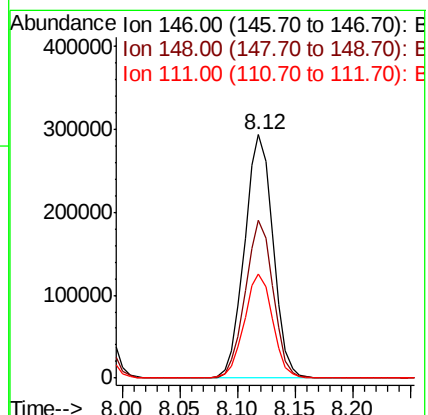
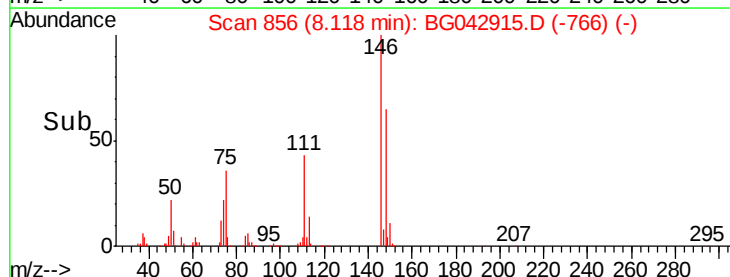
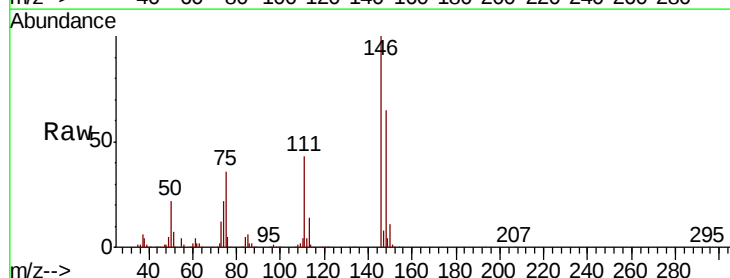
Tgt Ion:146 Resp: 504447

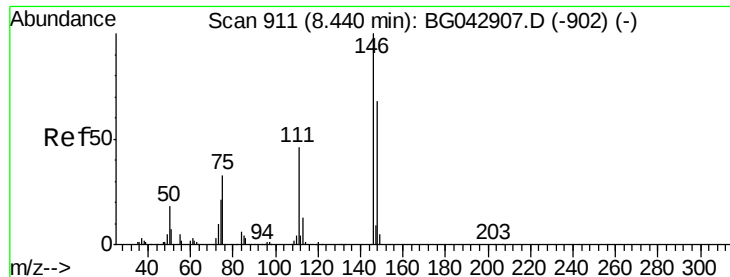
Ion Ratio Lower Upper

146 100

148 64.8 51.4 77.2

111 42.9 34.7 52.1





#14

1,2-Dichlorobenzene

Concen: 51.214 ng

RT: 8.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

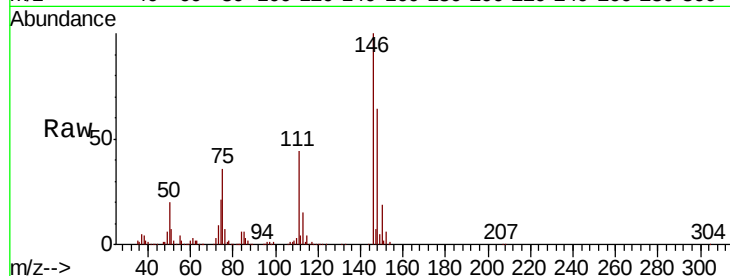
Tot Ion:146 Resp: 263844

Ion Ratio Lower Upper

146 100

148 64.0 54.7 82.1

111 44.4 37.4 56.2

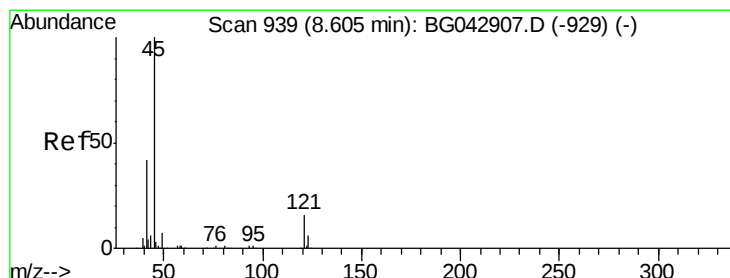
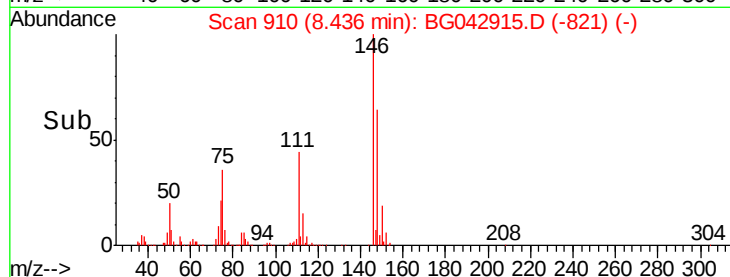
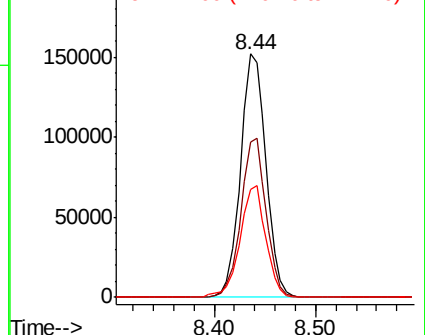


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.066 ng

RT: 8.62 min Scan# 941

Delta R.T. 0.01 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

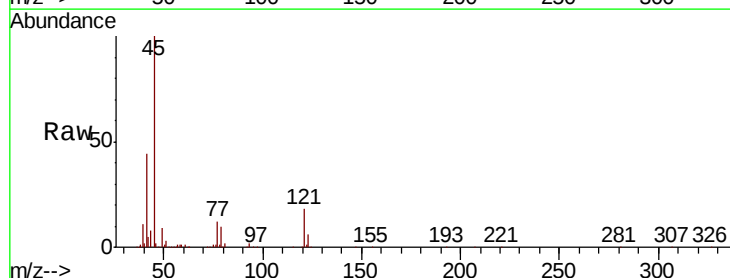
Tgt Ion: 45 Resp: 341143

Ion Ratio Lower Upper

45 100

77 11.7 0.0 32.6

79 10.4 0.0 29.0

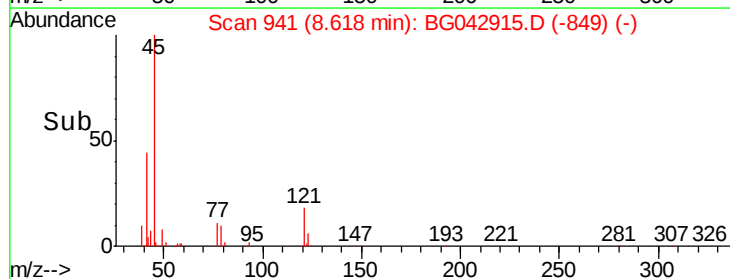
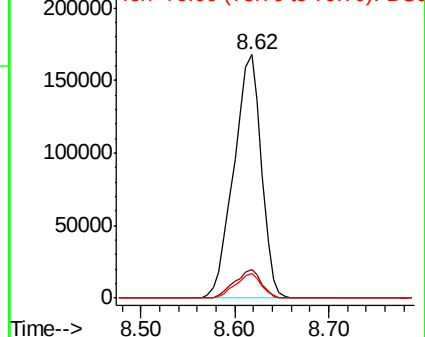


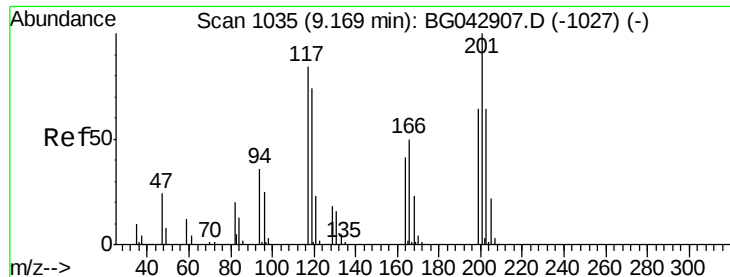
Abundance

Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

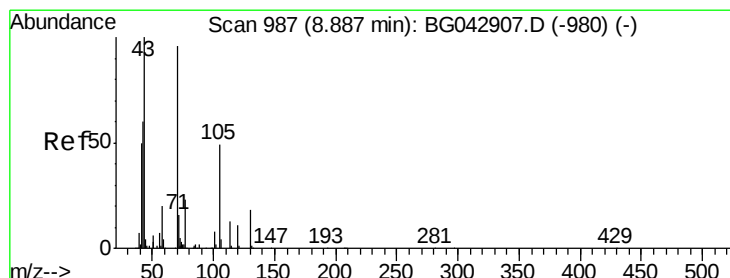
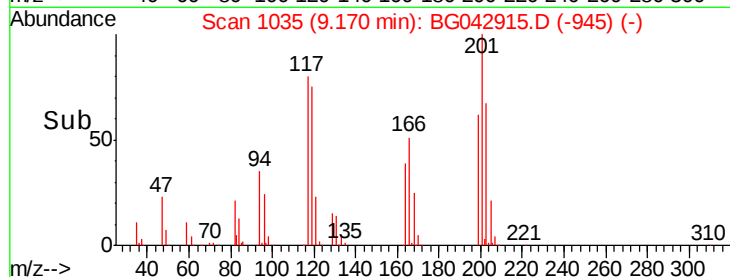
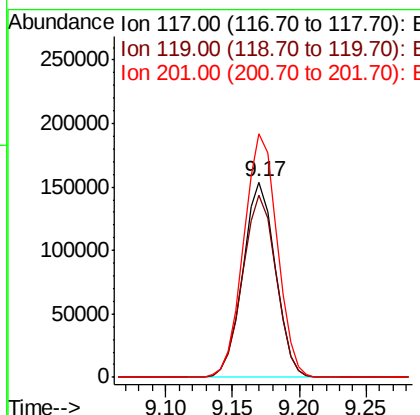
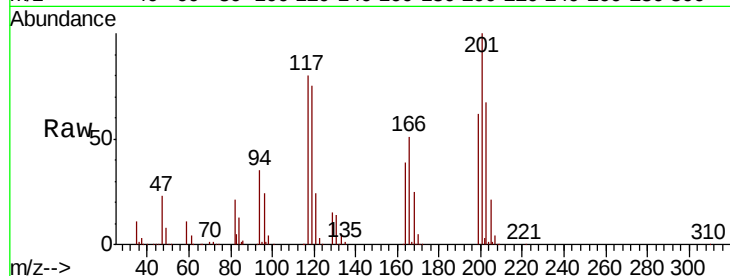




#18
Hexachloroethane
Concen: 130.080 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

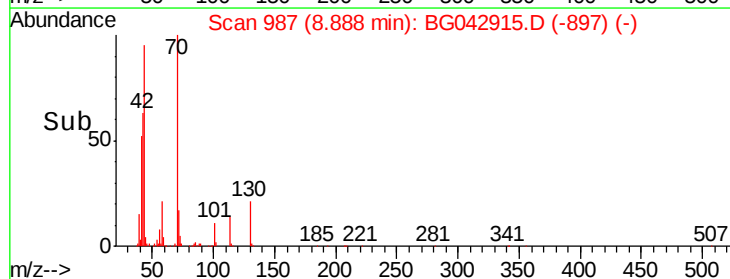
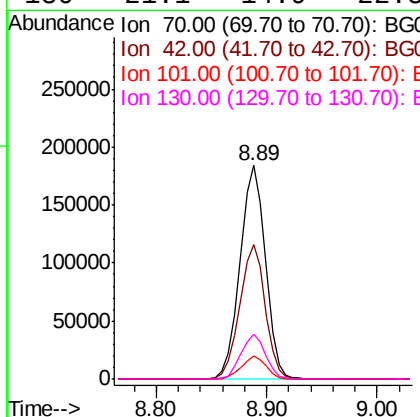
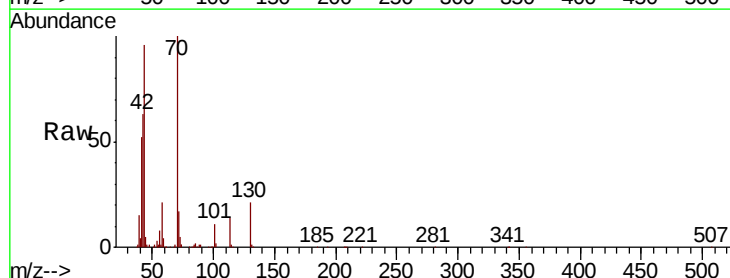
Instrument :
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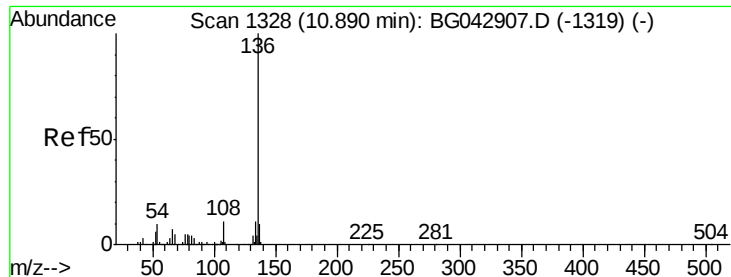
Tot Ion:117 Resp: 258705
Ion Ratio Lower Upper
117 100
119 93.6 70.9 106.3
201 124.6 95.2 142.8



#19
n-Nitroso-di-n-propylamine
Concen: 74.155 ng
RT: 8.89 min Scan# 987
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Tgt Ion: 70 Resp: 298252
Ion Ratio Lower Upper
70 100
42 63.0 50.5 75.7
101 11.0 7.0 10.4#
130 21.1 14.9 22.3

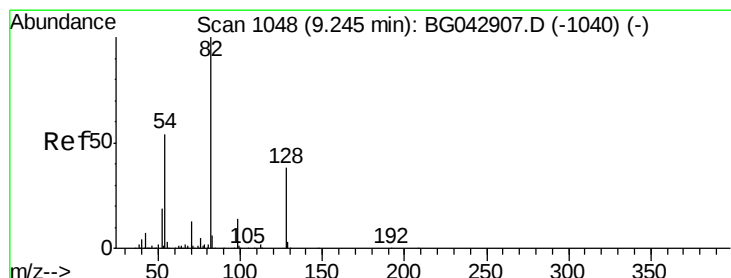
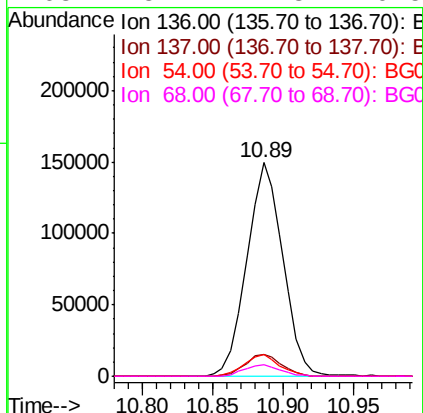
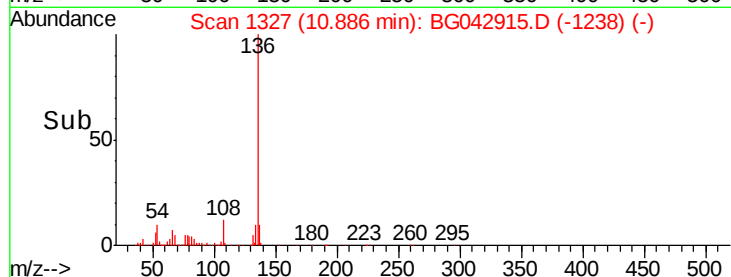
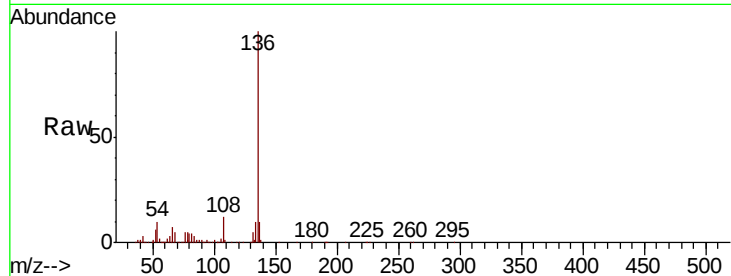




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

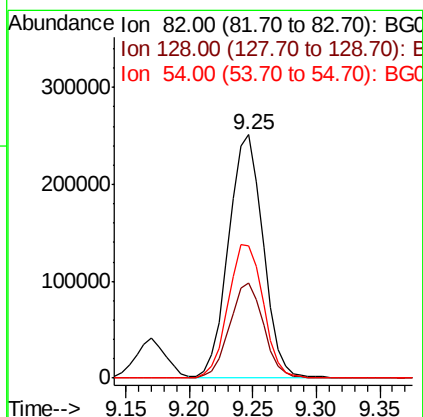
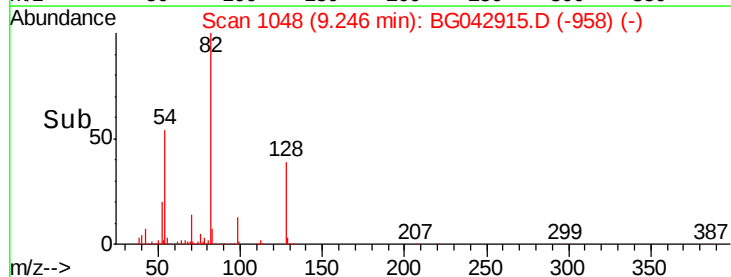
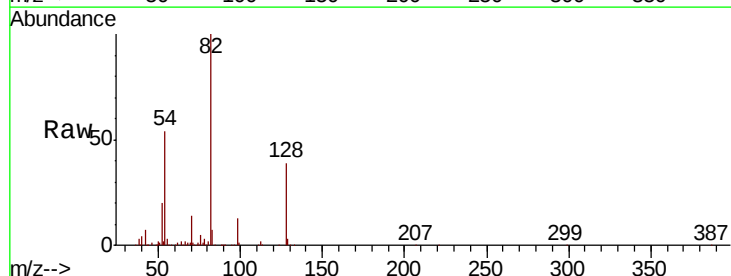
Instrument :
BNA_G
ClientSampleId :
PT-BN-WP

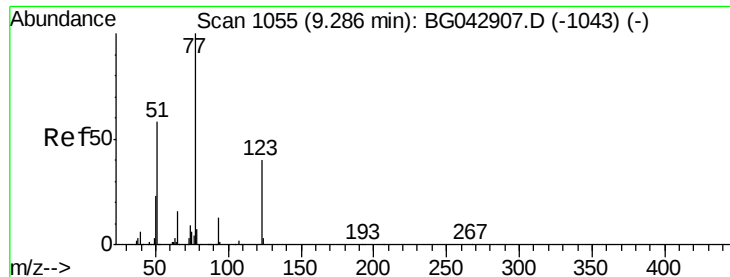
Tot Ion:136	Resp:	266604	
Ion Ratio	Lower	Upper	
136 100			
137 10.3	8.2	12.2	
54 10.0	8.2	12.2	
68 5.4	4.3	6.5	



#23
Nitrobenzene-d5
Concen: 86.460 ng
RT: 9.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Tgt	Ion: 82	Resp:	472519
Ion	Ratio	Lower	Upper
82	100		
128	39.1	30.4	45.6
54	54.2	43.4	65.0





#24

Nitrobenzene

Concen: 98.103 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

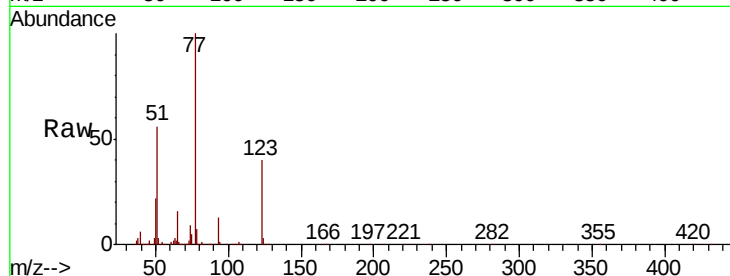
Tot Ion: 77 Resp: 519431

Ion Ratio Lower Upper

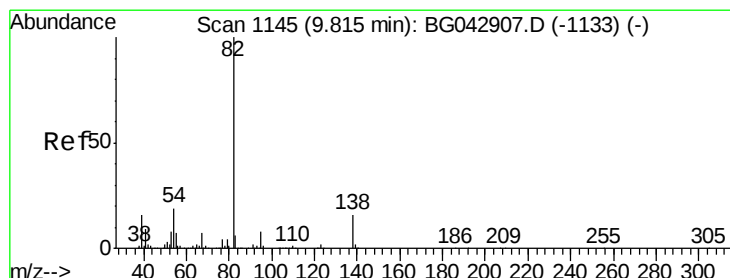
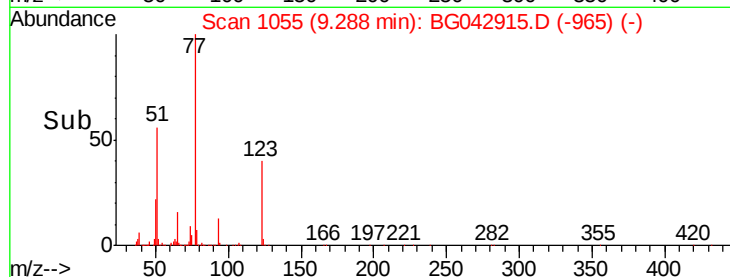
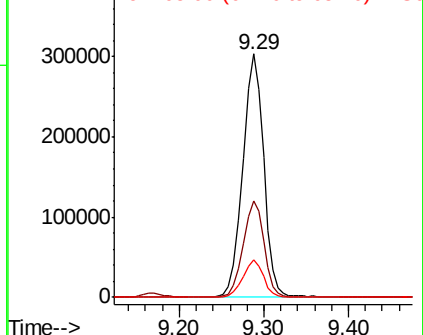
77 100

123 39.8 32.3 48.5

65 15.6 12.6 19.0



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#25

Isophorone

Concen: 17.215 ng

RT: 9.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

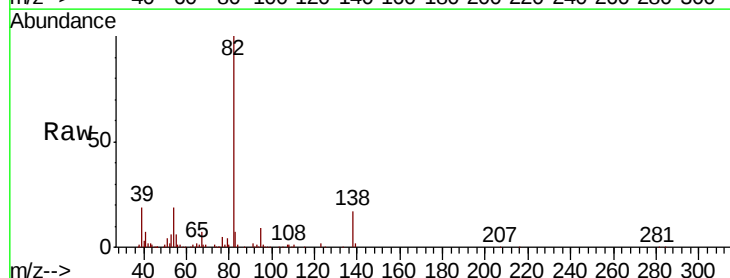
Tgt Ion: 82 Resp: 168095

Ion Ratio Lower Upper

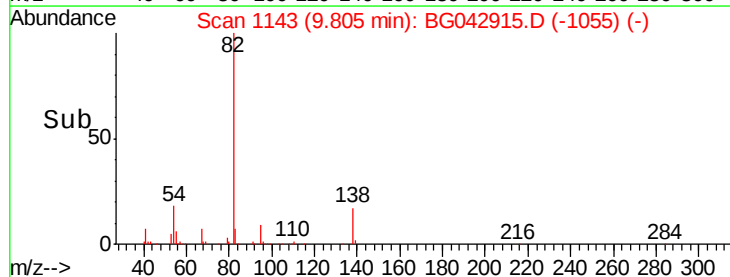
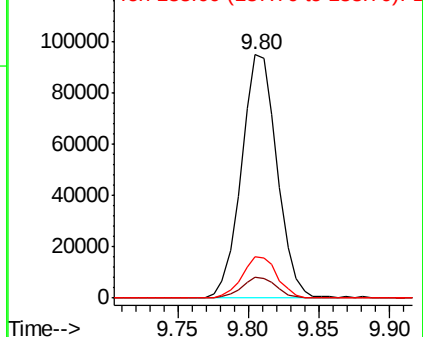
82 100

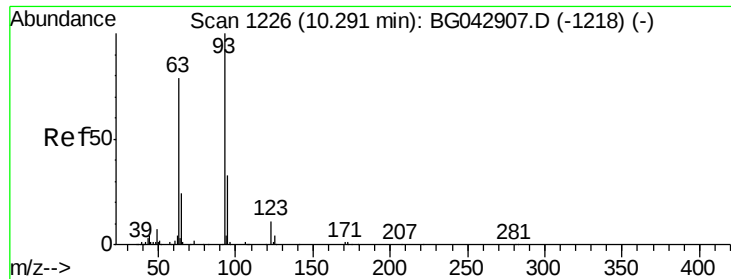
95 8.8 6.3 9.5

138 16.9 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

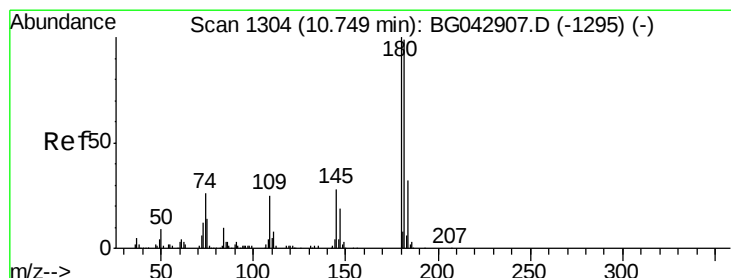
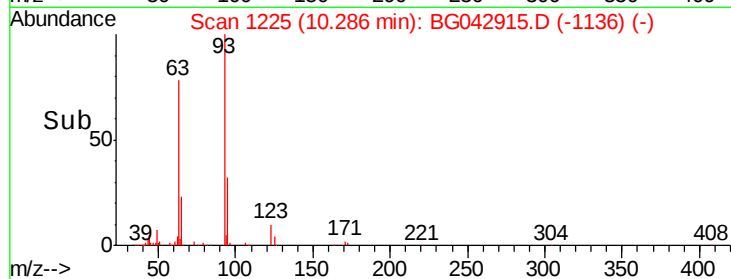
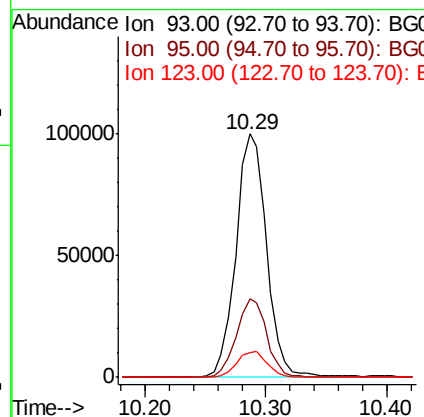
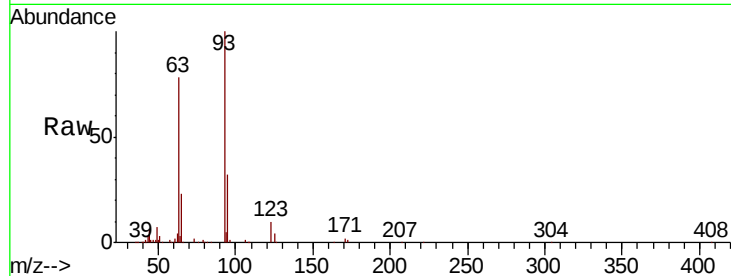




#28
 bis(2-Chloroethoxy)methane
 Concen: 31.273 ng
 RT: 10.29 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: BG042915.D
 Acq: 23 Sep 2019 15:20

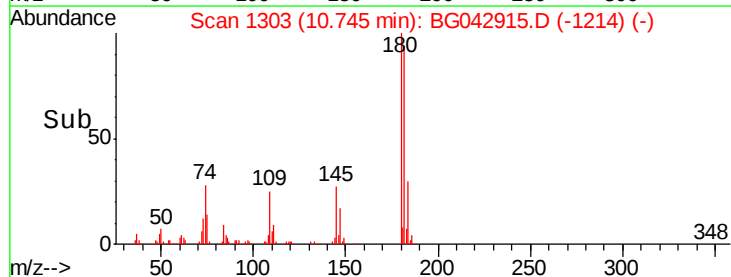
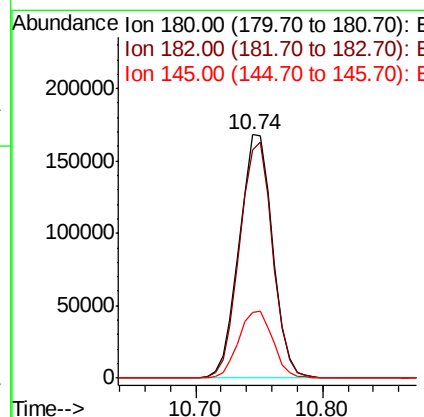
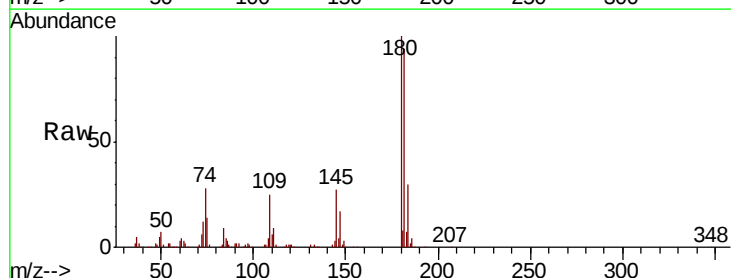
Instrument :
 BNA_G
 ClientSampleId :
 PT-BN-WP

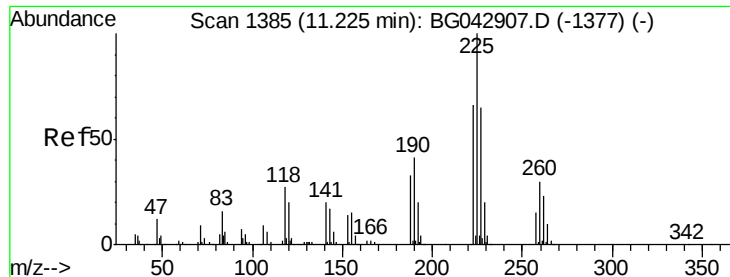
Tot Ion: 93 Resp: 176229
 Ion Ratio Lower Upper
 93 100
 95 32.3 26.3 39.5
 123 10.2 8.6 13.0



#30
 1,2,4-Trichlorobenzene
 Concen: 57.789 ng
 RT: 10.74 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BG042915.D
 Acq: 23 Sep 2019 15:20

Tgt Ion: 180 Resp: 306878
 Ion Ratio Lower Upper
 180 100
 182 93.6 78.9 118.3
 145 27.1 22.4 33.6

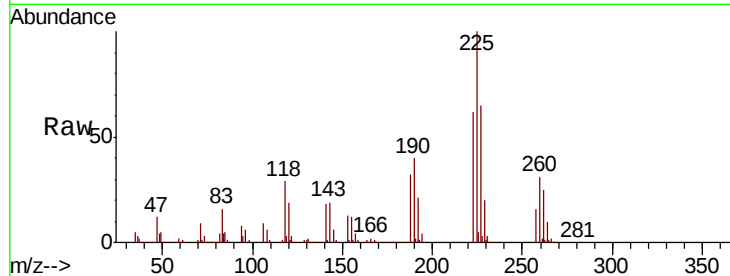




#34
Hexachlorobutadiene
Concen: 126.165 ng
RT: 11.23 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Instrument :
BNA_G
ClientSampleId :
PT-BN-WP

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.0	52.9	79.3
227	65.3	51.6	77.4

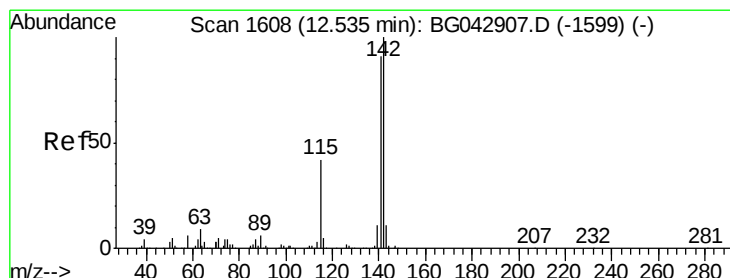
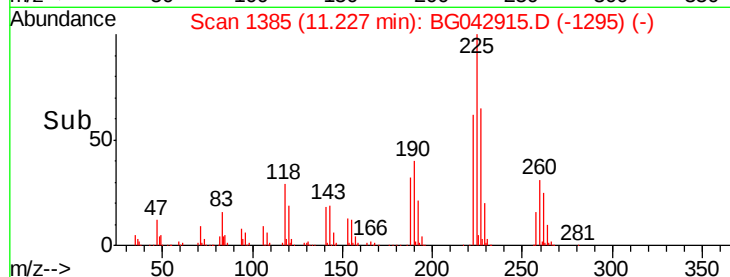
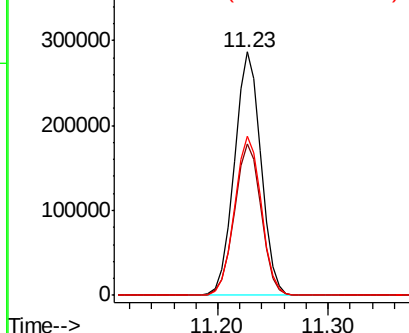


Abundance

Ion 225.00 (224.70 to 225.70): E

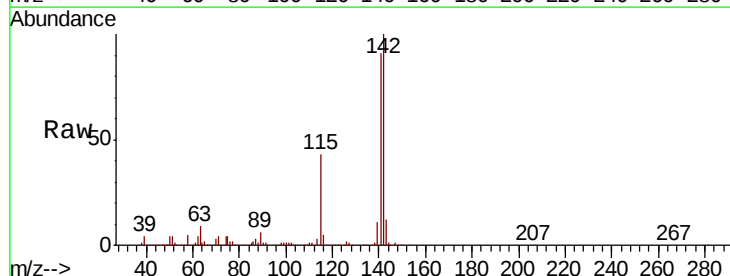
Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37
2-Methylnaphthalene
Concen: 80.050 ng
RT: 12.54 min Scan# 1608
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.1	109.7
115	42.9	33.8	50.6

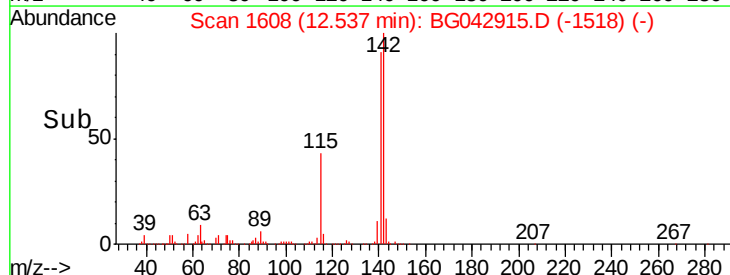
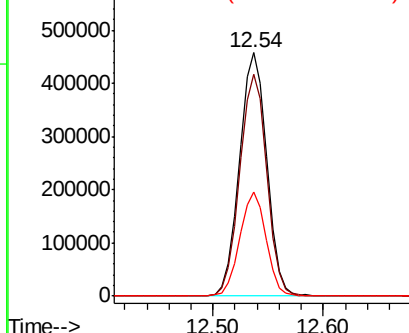


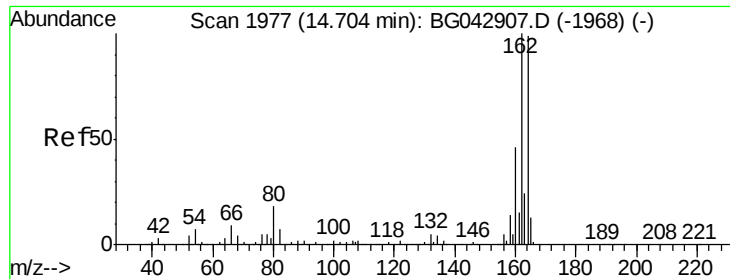
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

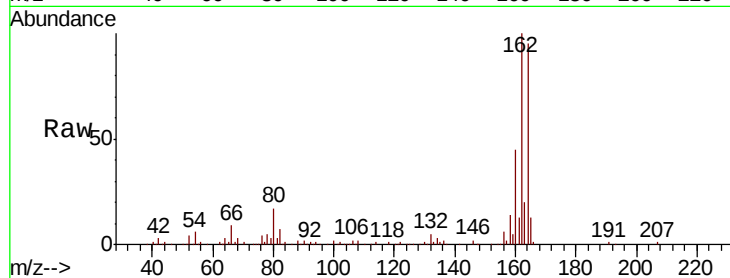
Tot Ion:164 Resp: 188857

Ion Ratio Lower Upper

164 100

162 104.7 81.2 121.8

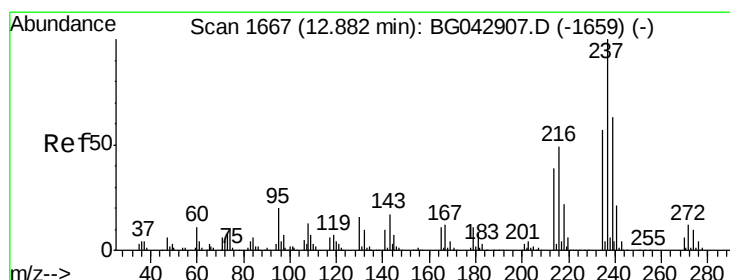
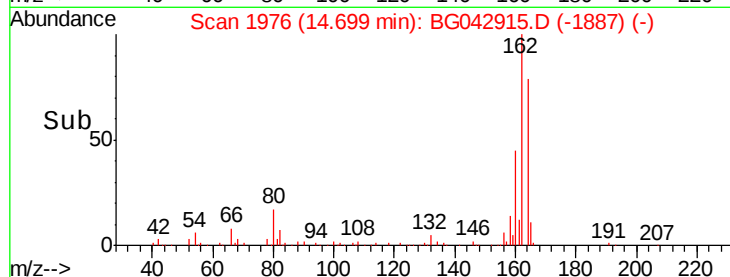
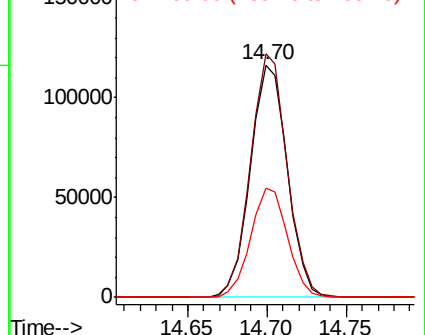
160 46.8 37.0 55.6



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



#41

Hexachlorocyclopentadiene

Concen: 106.085 ng

RT: 12.88 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

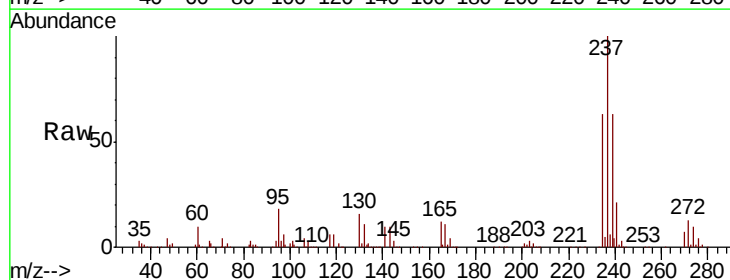
Tgt Ion:237 Resp: 454606

Ion Ratio Lower Upper

237 100

235 62.6 37.1 77.1

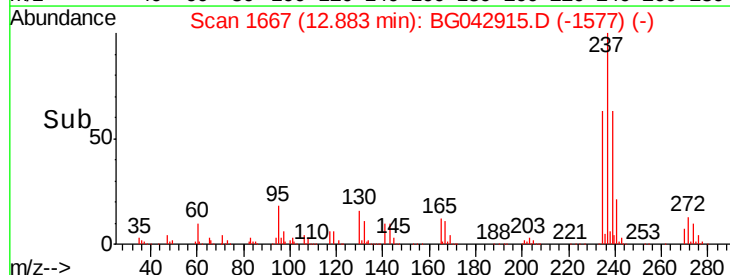
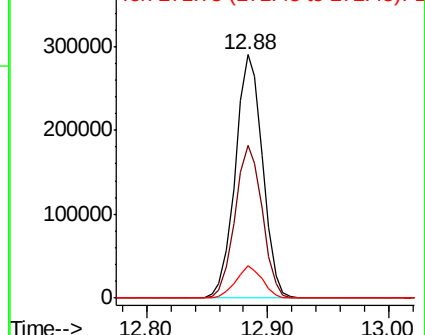
272 13.1 0.0 31.7

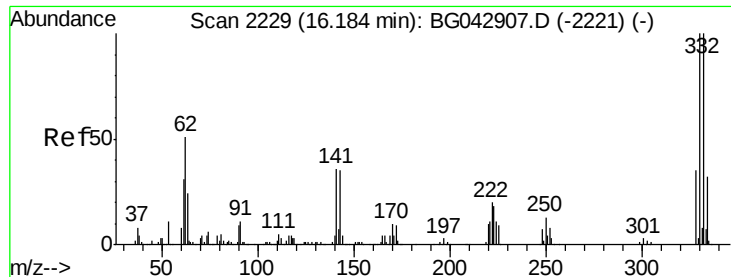


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

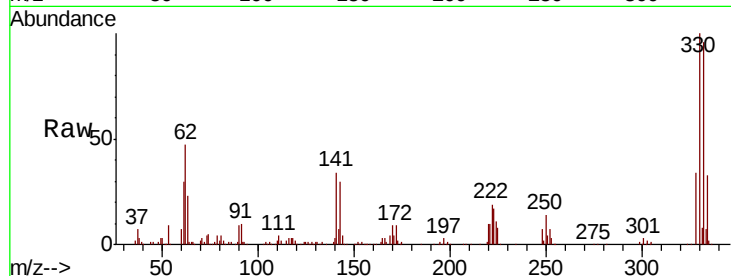




#42
 2,4,6-Tribromophenol
 Concen: 123.262 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BG042915.D
 Acq: 23 Sep 2019 15:20

Instrument :
 BNA_G
 ClientSampleId :
 PT-BN-WP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	32.1	26.5	39.7

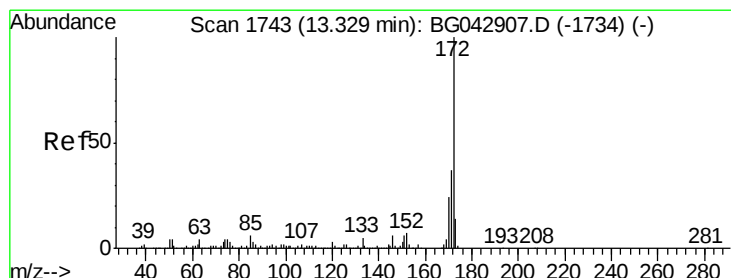
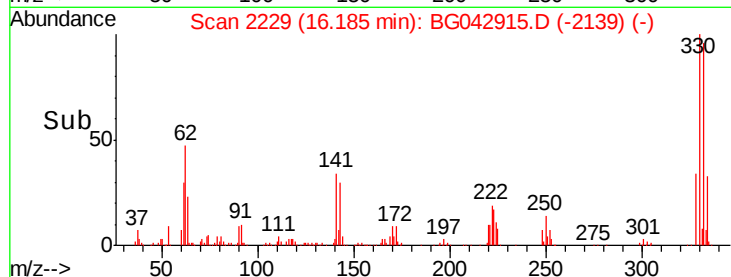
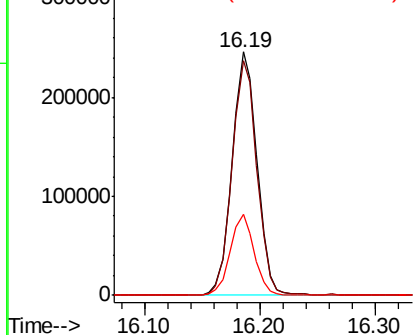


Abundance

Ion 329.80 (329.50 to 330.50): E

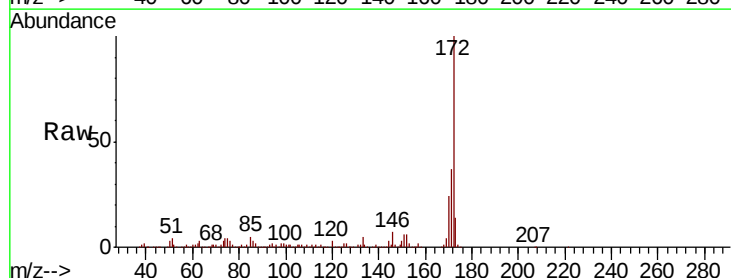
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.232 ng
 RT: 13.33 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: BG042915.D
 Acq: 23 Sep 2019 15:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.0	19.5	29.3

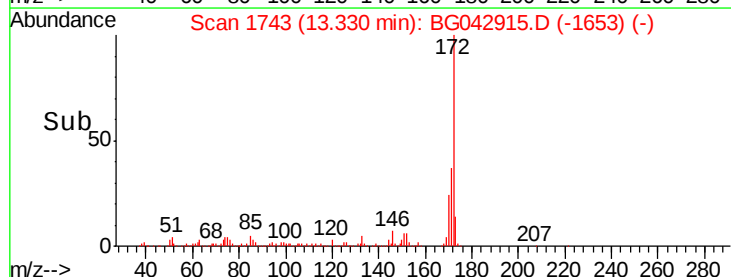
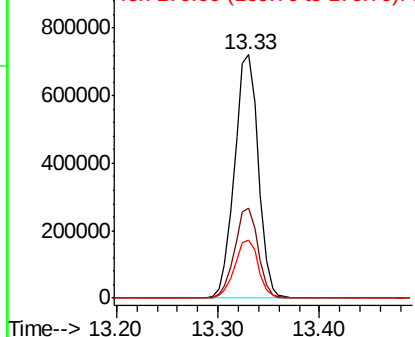


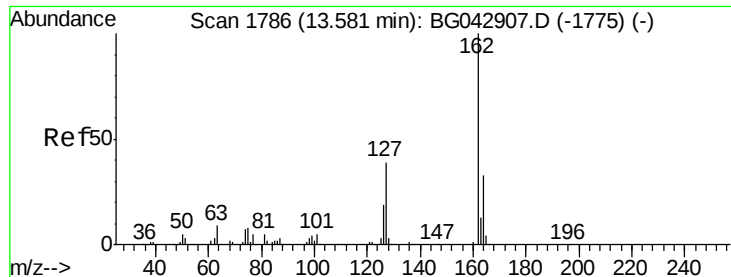
Abundance

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

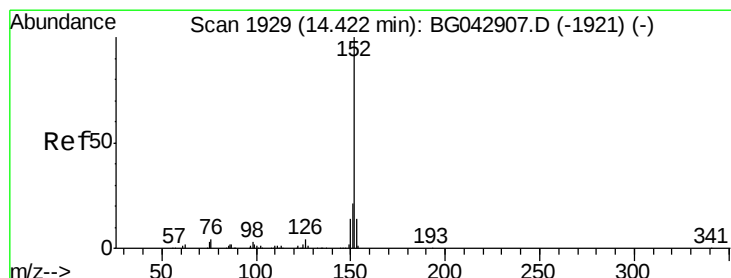
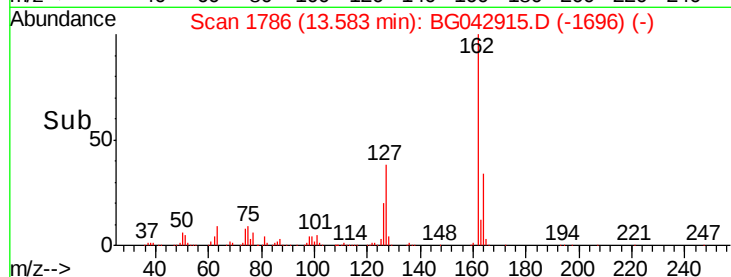
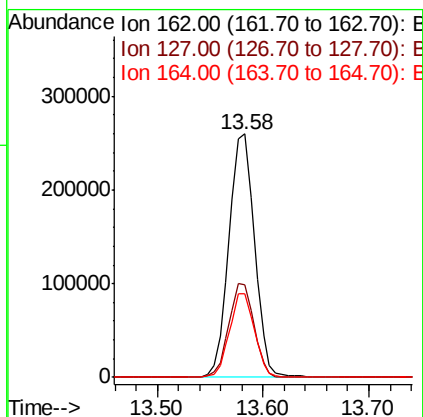
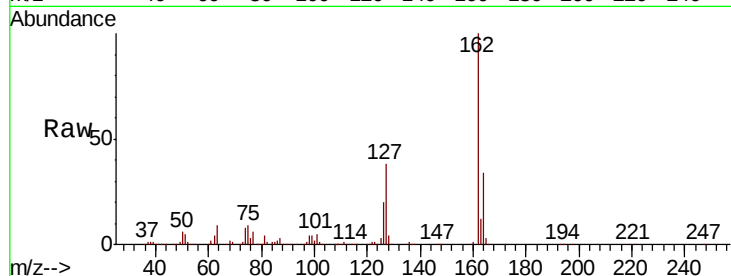




#47
2-Chloronaphthalene
Concen: 40.138 ng
RT: 13.58 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

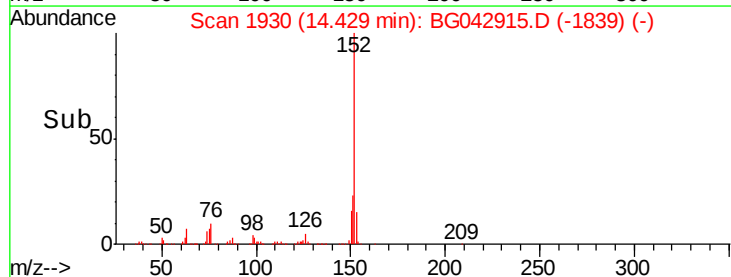
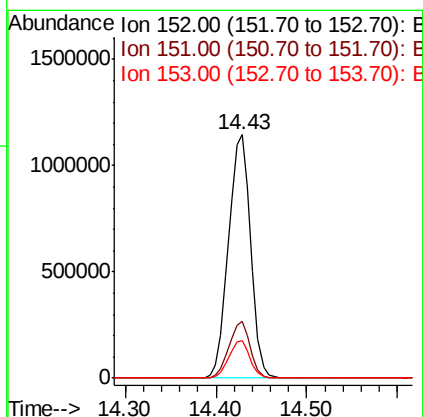
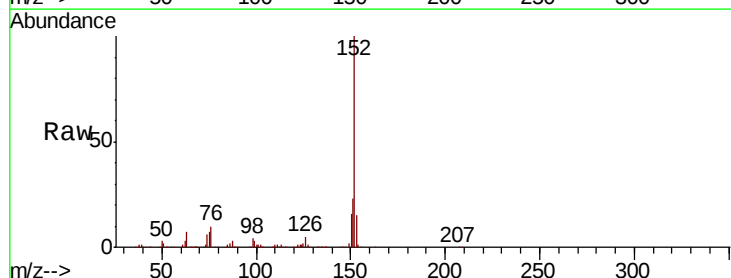
Instrument :
BNA_G
ClientSampleId :
PT-BN-WP

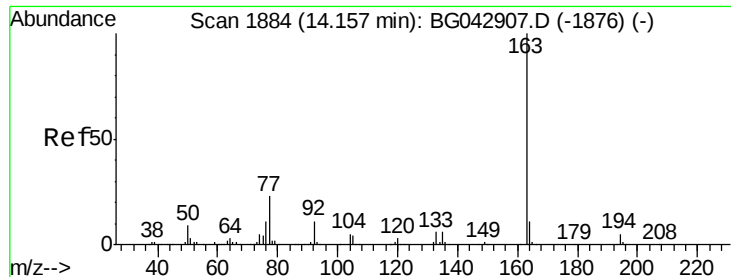
Tot Ion:162 Resp: 435703
Ion Ratio Lower Upper
162 100
127 37.8 32.1 48.1
164 34.5 26.6 39.8



#49
Acenaphthylene
Concen: 118.740 ng
RT: 14.43 min Scan# 1930
Delta R.T. 0.01 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Tgt Ion:152 Resp: 1949832
Ion Ratio Lower Upper
152 100
151 23.4 16.9 25.3
153 15.5 10.9 16.3





#50

Dimethylphthalate

Concen: 116.983 ng

RT: 14.16 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

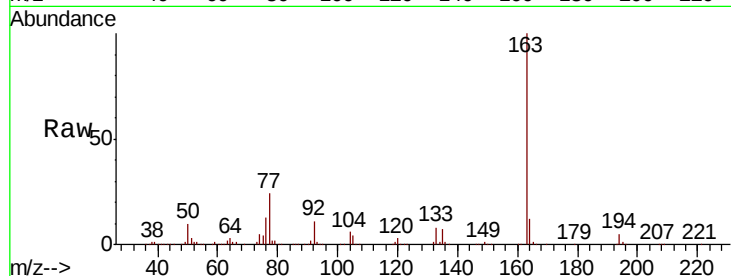
Tot Ion:163 Resp: 1616723

Ion Ratio Lower Upper

163 100

194 5.3 3.8 5.6

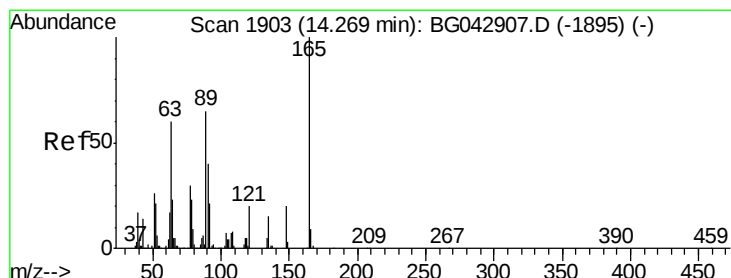
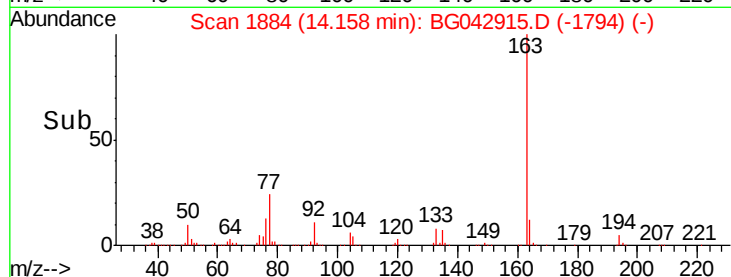
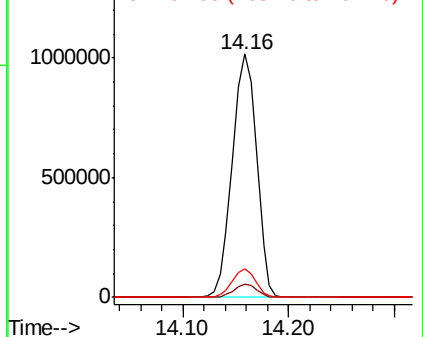
164 11.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 42.780 ng

RT: 14.28 min Scan# 1904

Delta R.T. 0.01 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

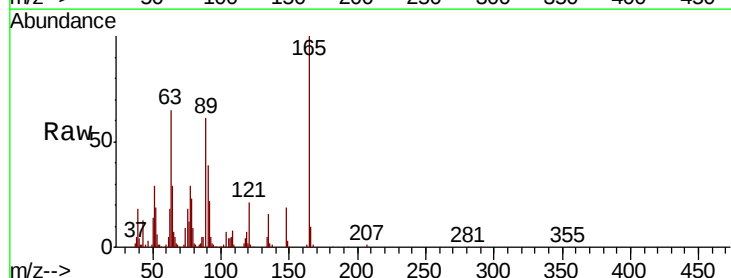
Tgt Ion:165 Resp: 125932

Ion Ratio Lower Upper

165 100

63 64.5 52.6 79.0

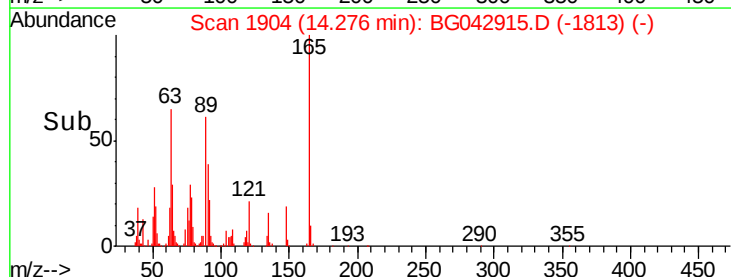
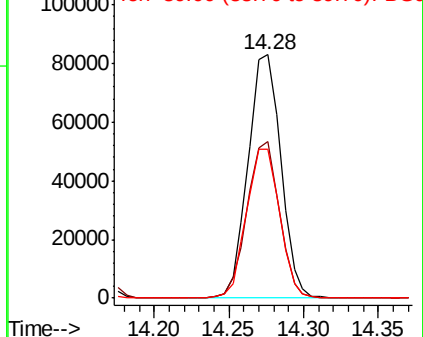
89 61.3 52.2 78.4

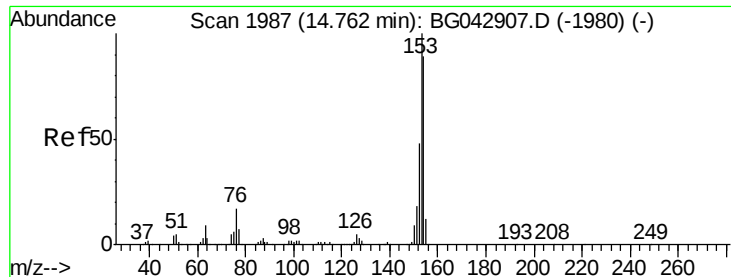


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 135.597 ng

RT: 14.77 min Scan# 1988

Delta R.T. 0.01 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

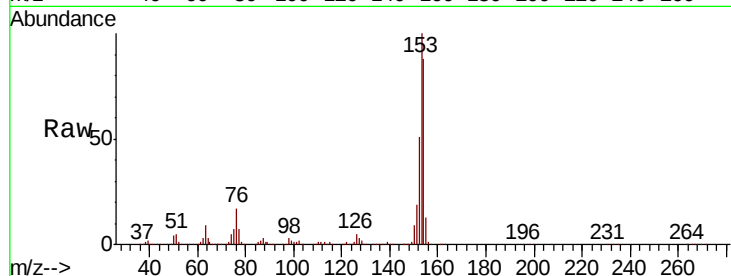
Tot Ion:154 Resp: 1473784

Ion Ratio Lower Upper

154 100

153 113.0 89.9 134.9

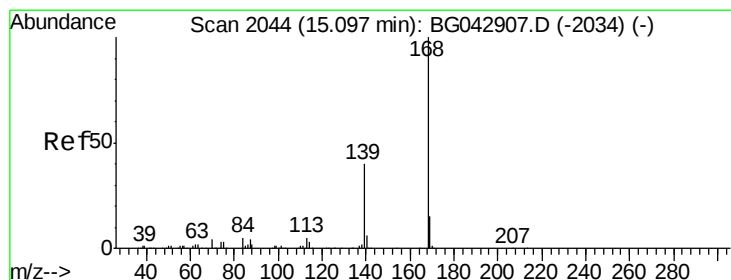
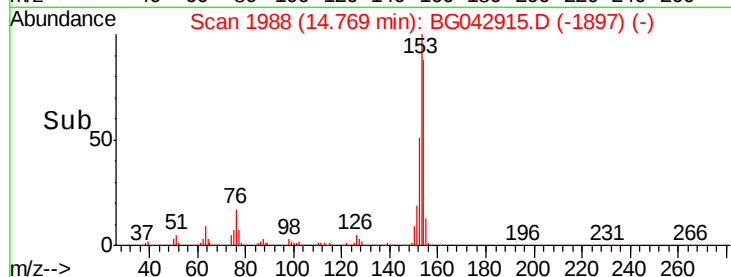
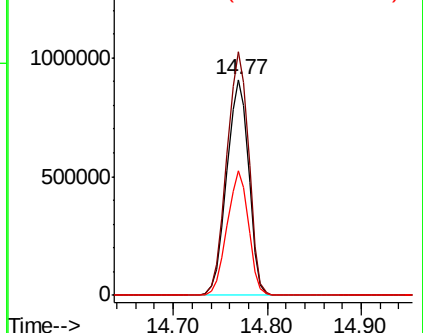
152 58.0 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 86.662 ng

RT: 15.10 min Scan# 2044

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

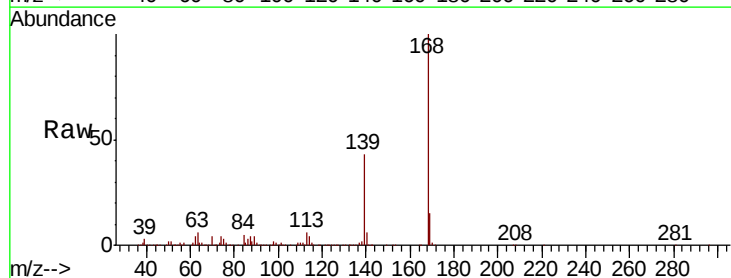
Tgt Ion:168 Resp: 1397257

Ion Ratio Lower Upper

168 100

139 42.5 32.4 48.6

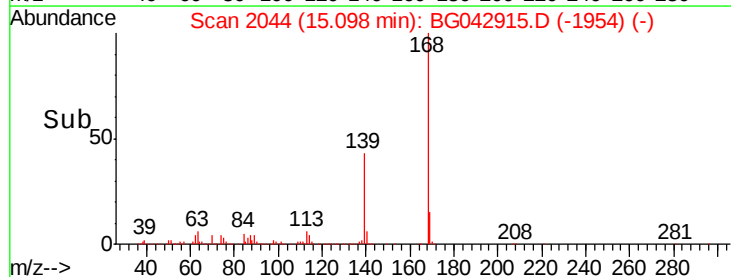
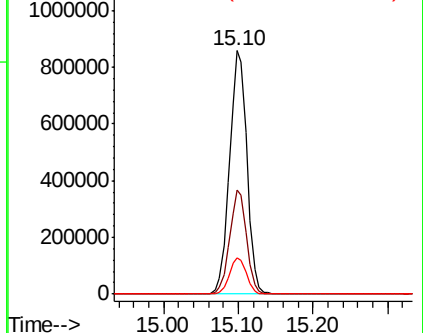
169 15.1 11.6 17.4

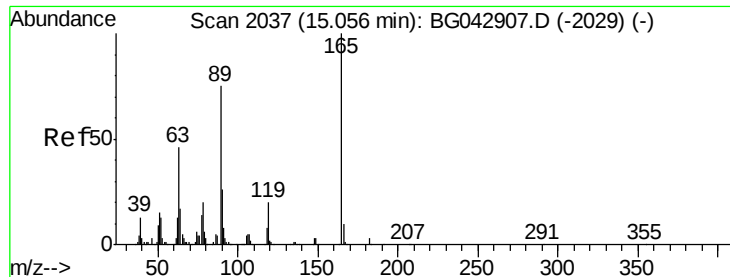


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

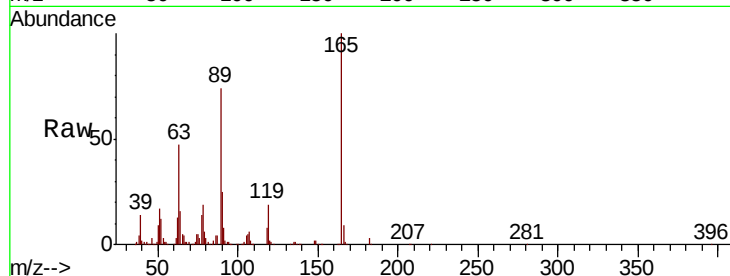




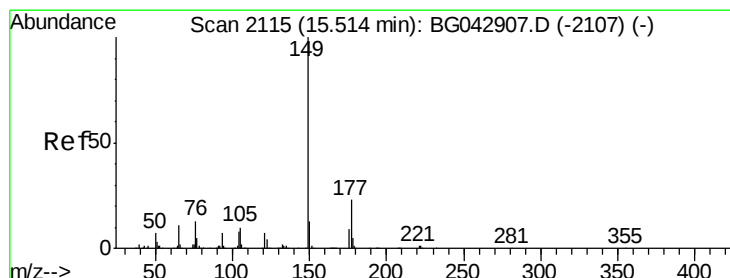
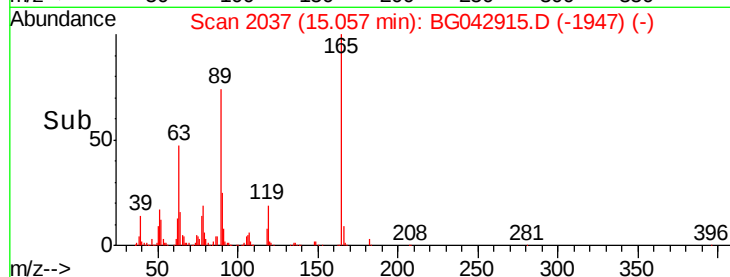
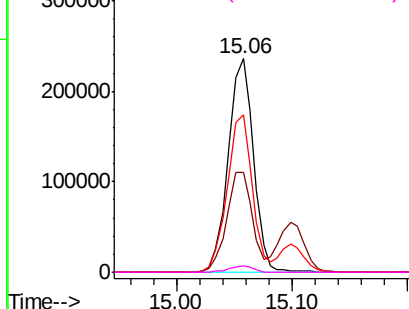
#57
2,4-Dinitrotoluene
Concen: 85.870 ng
RT: 15.06 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Instrument :
BNA_G
ClientSampleId :
PT-BN-WP

Tot Ion	Ratio	Lower	Upper
165	100		
63	46.7	37.4	56.0
89	73.8	59.8	89.8
182	3.1	2.3	3.5

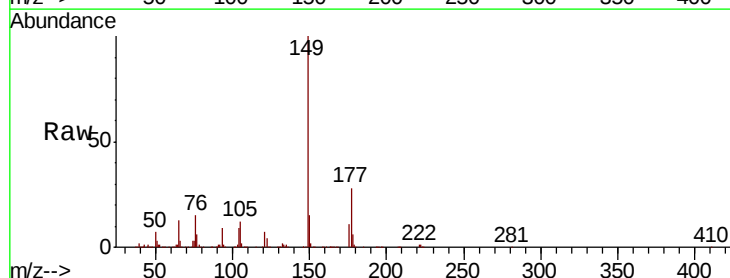


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

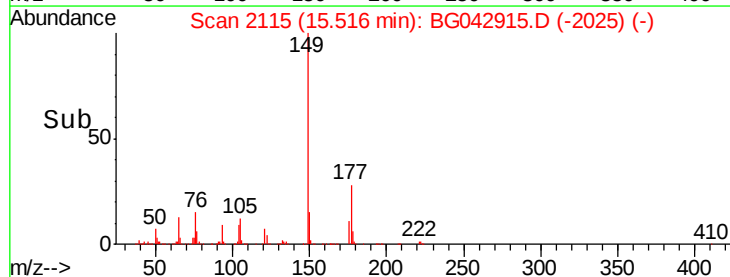
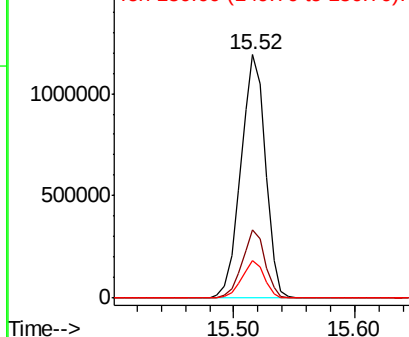


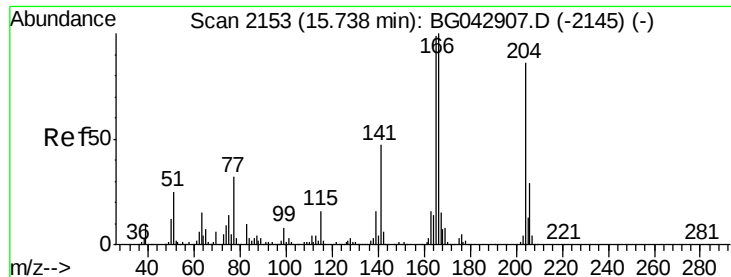
#60
Diethylphthalate
Concen: 121.245 ng
RT: 15.52 min Scan# 2115
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Tgt Ion	Ratio	Lower	Upper
149	100		
177	27.9	18.4	27.6#
150	15.2	10.2	15.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

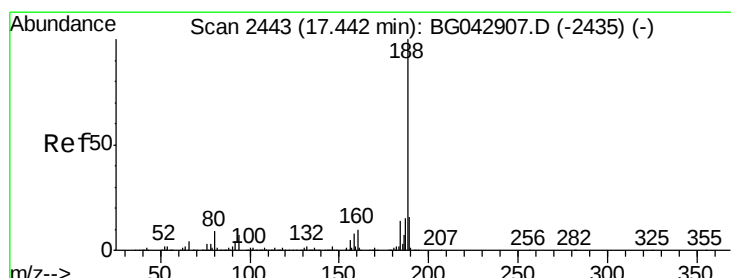
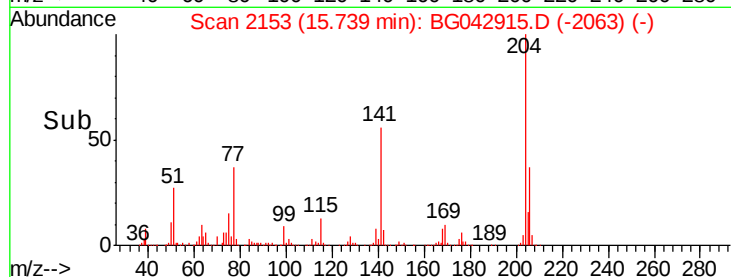
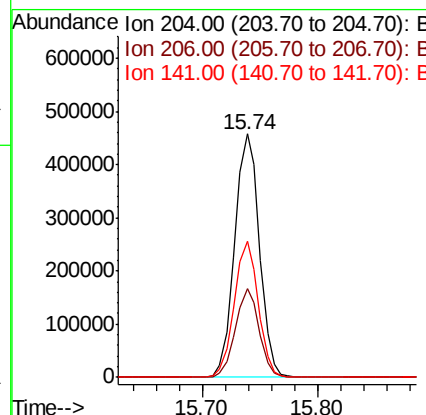
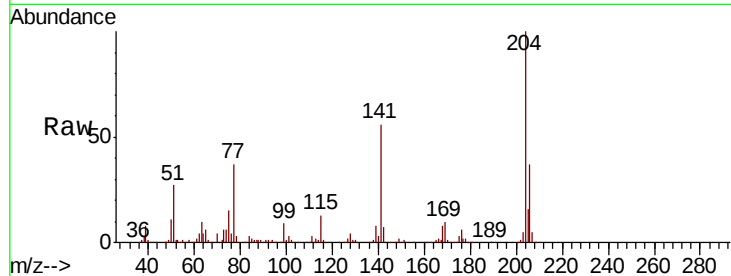




#61
 4-Chlorophenyl-phenylether
 Concen: 84.037 ng
 RT: 15.74 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: BG042915.D
 Acq: 23 Sep 2019 15:20

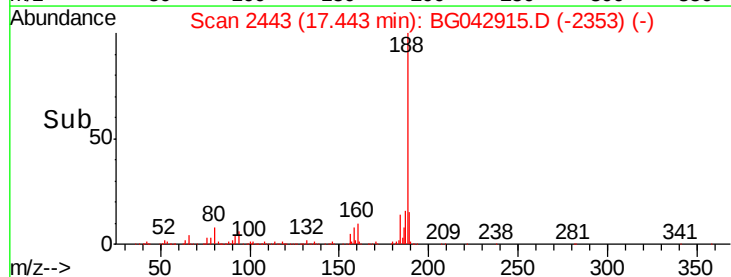
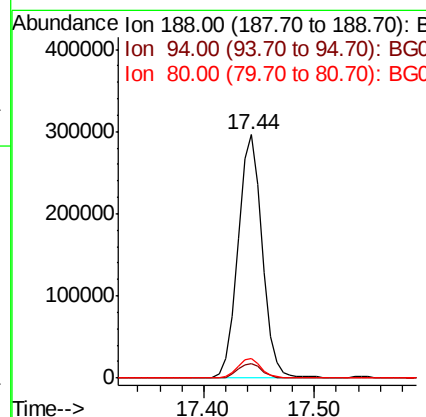
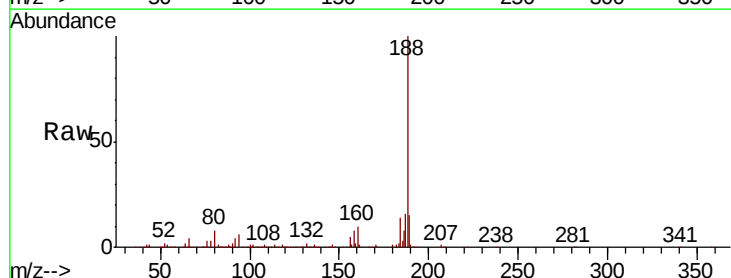
Instrument :
 BNA_G
 ClientSampleId :
 PT-BN-WP

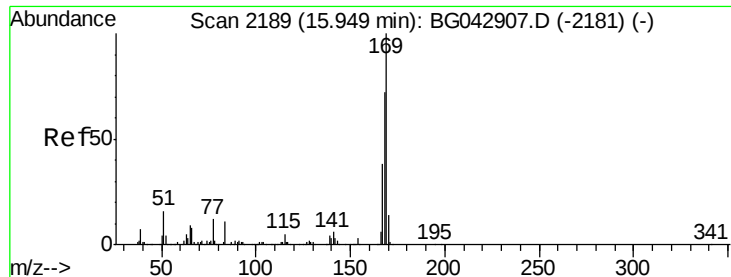
Tot Ion	Ratio	Lower	Upper
204	100		
206	36.5	27.4	41.0
141	56.0	43.7	65.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG042915.D
 Acq: 23 Sep 2019 15:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.7	8.5
80	8.1	6.9	10.3

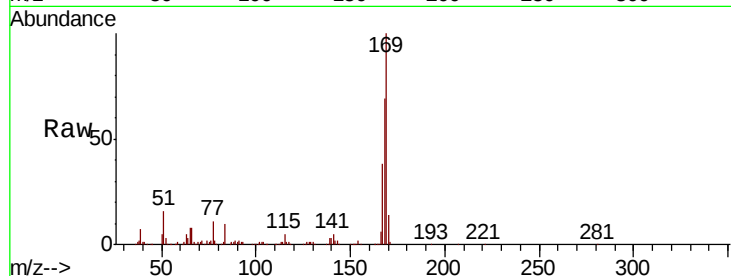




#66
n-Nitrosodiphenylamine
Concen: 36.819 ng
RT: 15.95 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Instrument :
BNA_G
ClientSampleId :
PT-BN-WP

Tot Ion	Ratio	Lower	Upper
169	100		
168	69.2	57.4	86.2
167	37.6	30.3	45.5

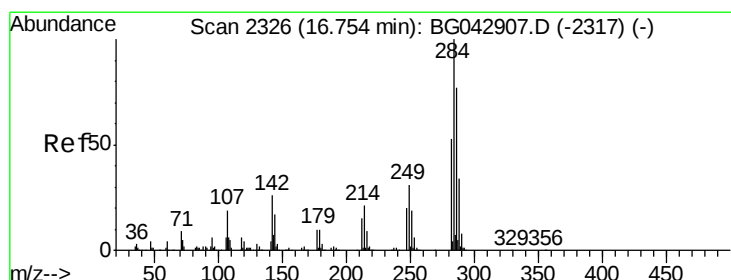
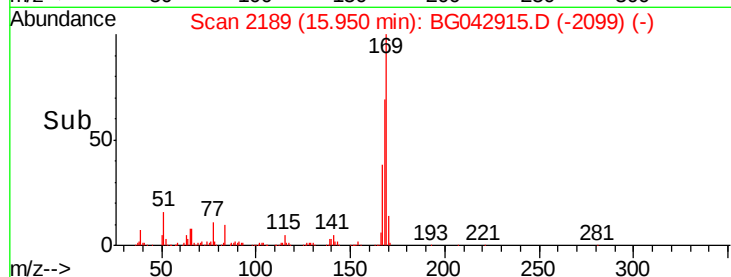
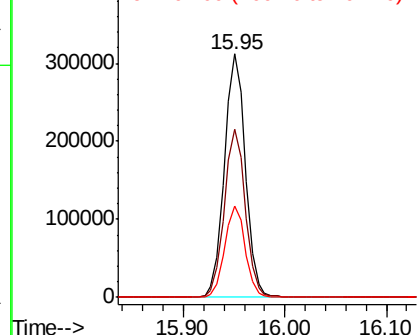


Abundance

Ion 169.00 (168.70 to 169.70): E

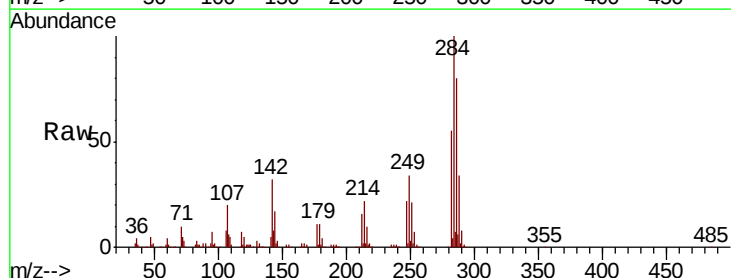
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#68
Hexachlorobenzene
Concen: 75.432 ng
RT: 16.75 min Scan# 2325
Delta R.T. -0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.9	21.1	31.7#
249	33.5	24.8	37.2

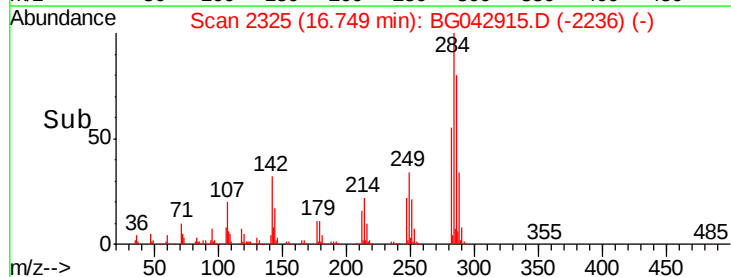
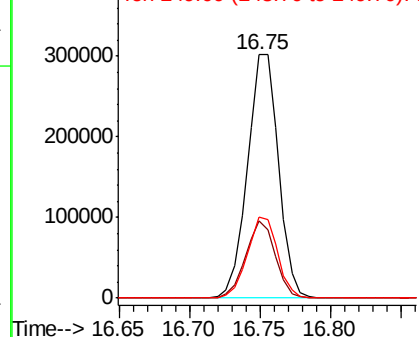


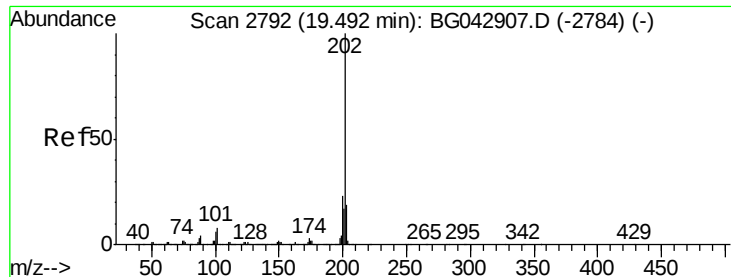
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#75

Fluoranthene

Concen: 65.916 ng

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

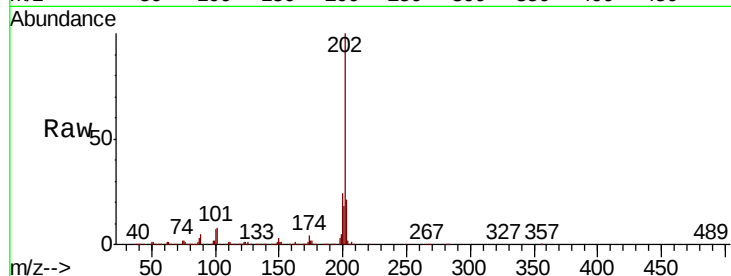
Tot Ion:202 Resp: 1847606

Ion Ratio Lower Upper

202 100

101 8.2 0.0 27.7

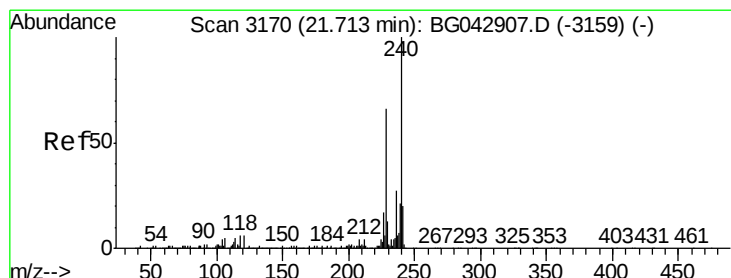
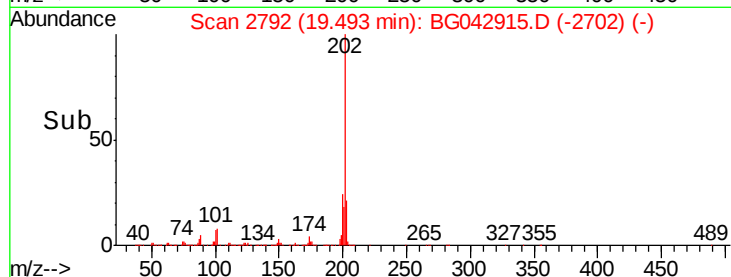
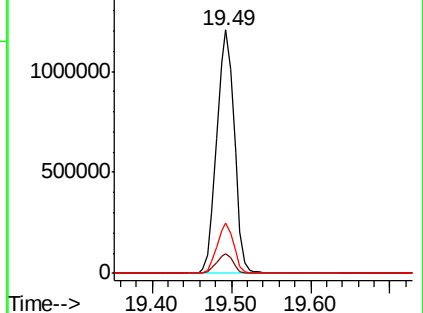
203 20.8 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.71 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

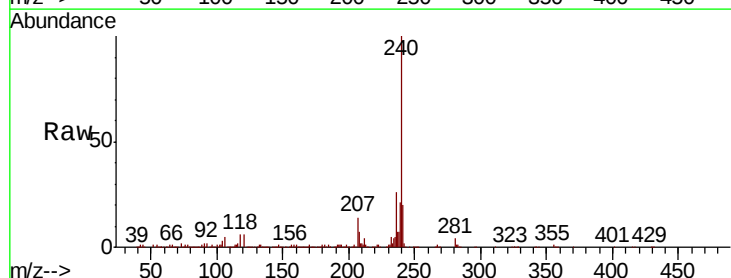
Tgt Ion:240 Resp: 490780

Ion Ratio Lower Upper

240 100

120 6.4 5.2 7.8

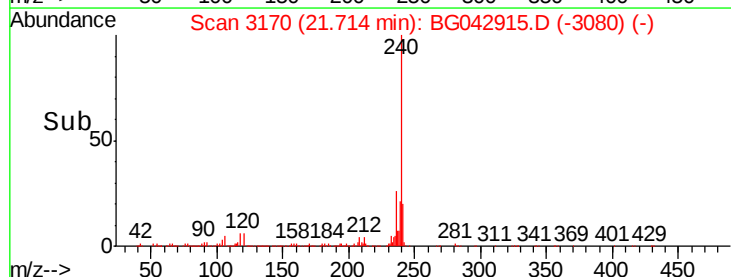
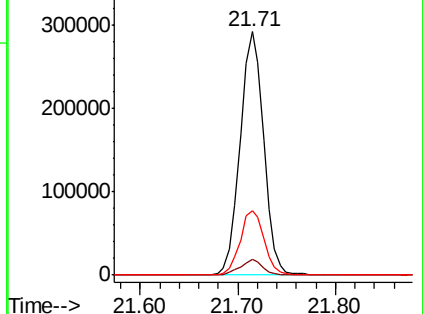
236 26.3 21.7 32.5

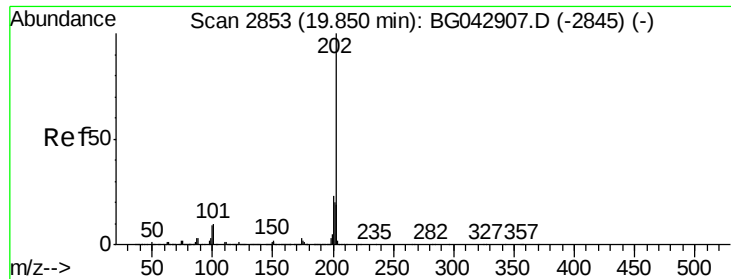


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

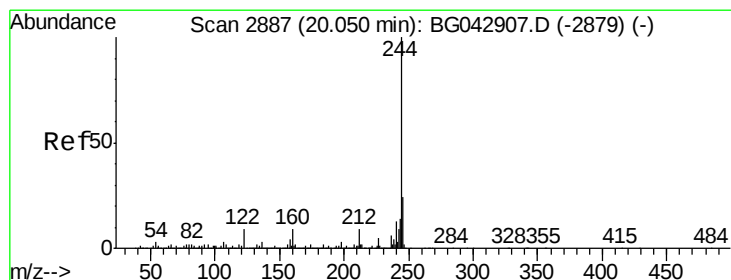
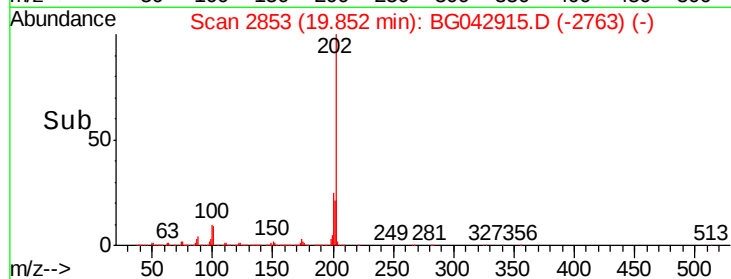
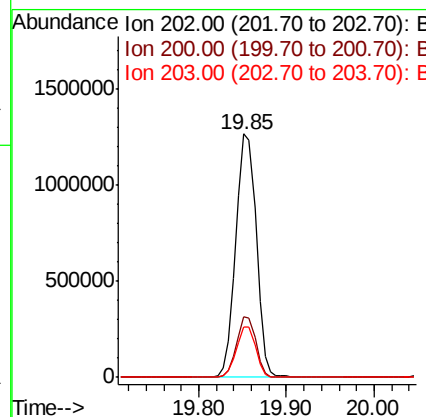
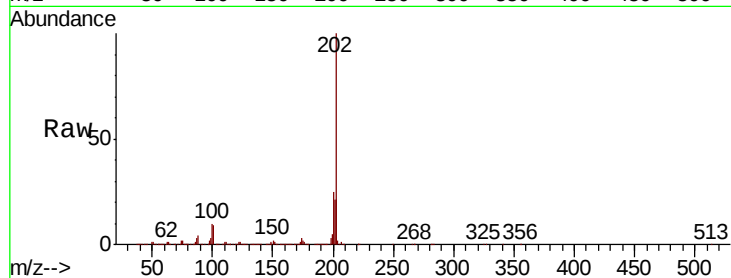




#78
Pvrene
Concen: 68.126 ng
RT: 19.85 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

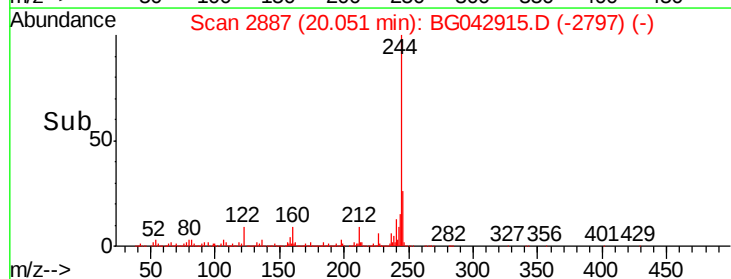
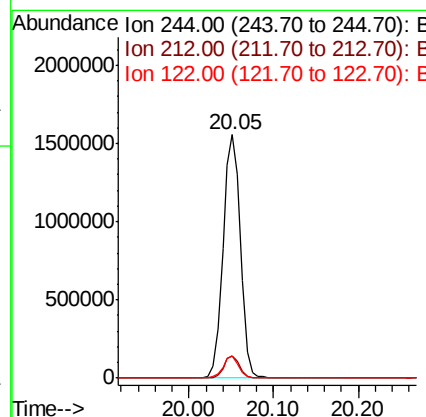
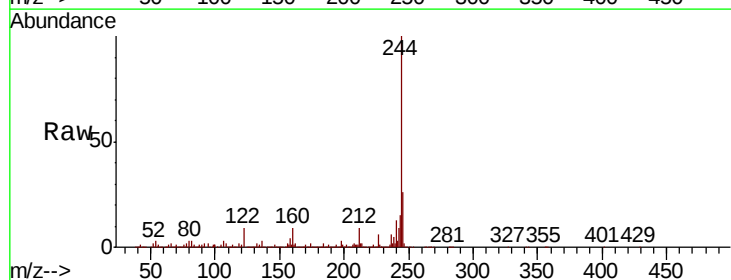
Instrument :
BNA_G
ClientSampleId :
PT-BN-WP

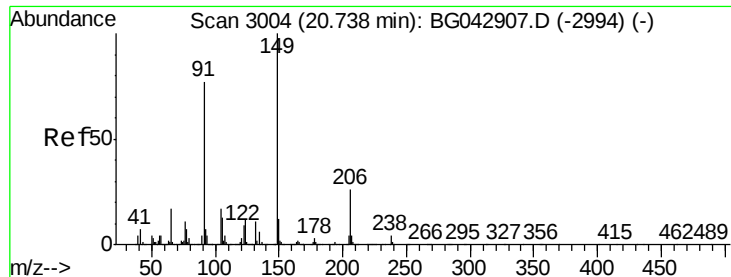
Tot Ion:202 Resp: 1994081
Ion Ratio Lower Upper
202 100
200 24.8 18.5 27.7
203 20.7 15.4 23.2



#79
Terphenyl-d14
Concen: 92.550 ng
RT: 20.05 min Scan# 2887
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Tgt Ion:244 Resp: 2232270
Ion Ratio Lower Upper
244 100
212 8.9 7.1 10.7
122 9.0 6.9 10.3

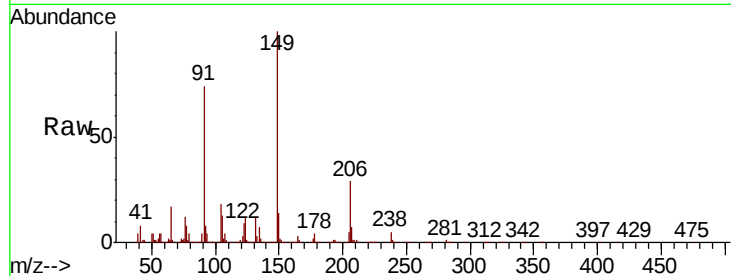




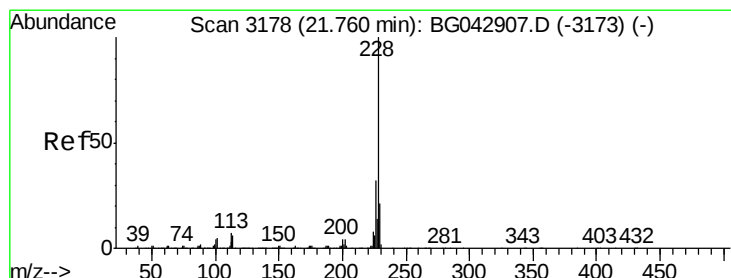
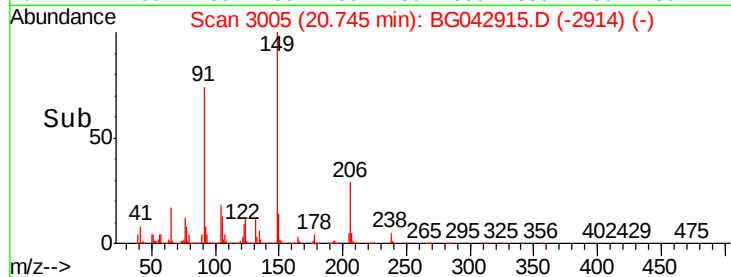
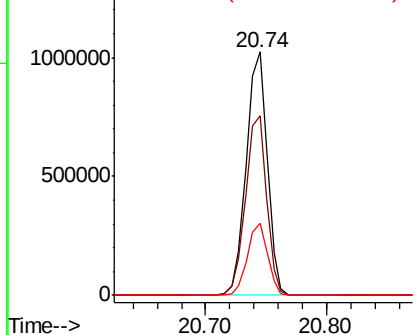
#80
Butylbenzylphthalate
Concen: 110.881 ng
RT: 20.74 min Scan# 3005
Delta R.T. 0.01 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Instrument :
BNA_G
ClientSampled :
PT-BN-WP

Tot Ion:149 Resp: 1253287
Ion Ratio Lower Upper
149 100
91 73.9 61.4 92.2
206 29.4 21.0 31.6

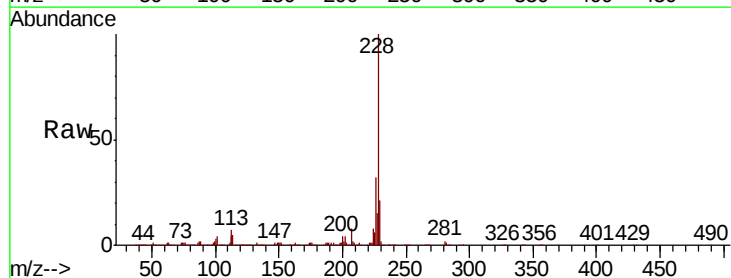


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

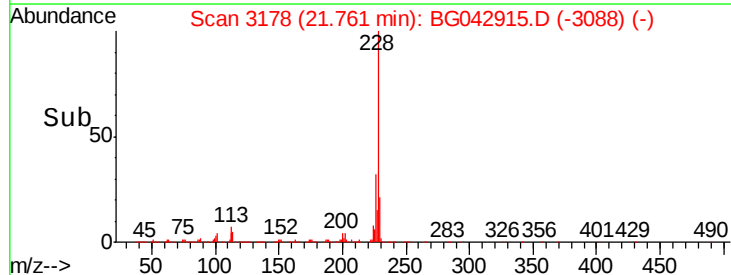
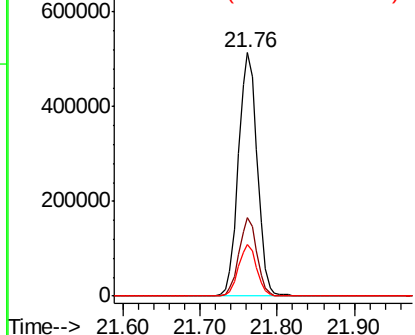


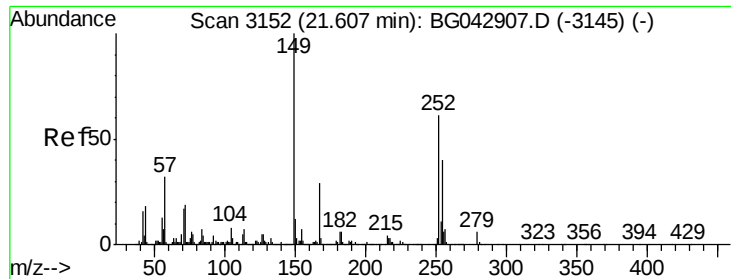
#83
Chrysene
Concen: 30.241 ng
RT: 21.76 min Scan# 3178
Delta R.T. 0.00 min
Lab File: BG042915.D
Acq: 23 Sep 2019 15:20

Tgt Ion:228 Resp: 883894
Ion Ratio Lower Upper
228 100
226 32.3 25.3 37.9
229 21.4 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 47.633 ng

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

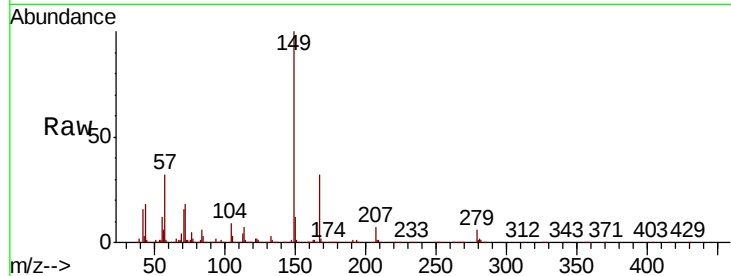
BNA_G

ClientSampleId :

PT-BN-WP

Tot Ion:149 Resp: 761449

Ion	Ratio	Lower	Upper
149	100		
167	32.0	23.4	35.0
279	6.3	4.9	7.3

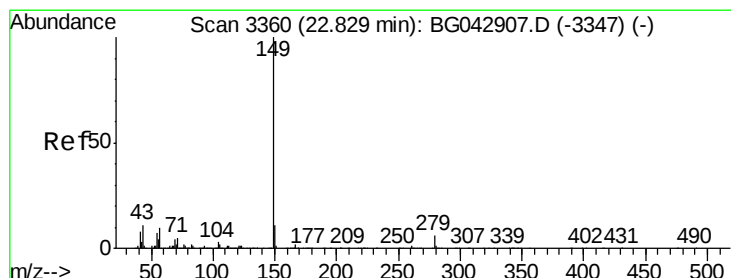
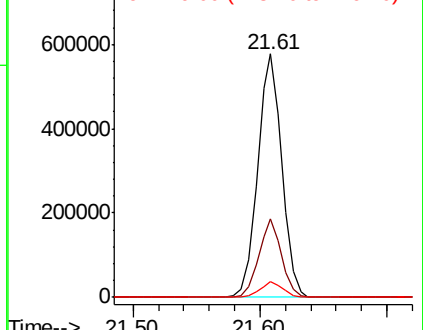
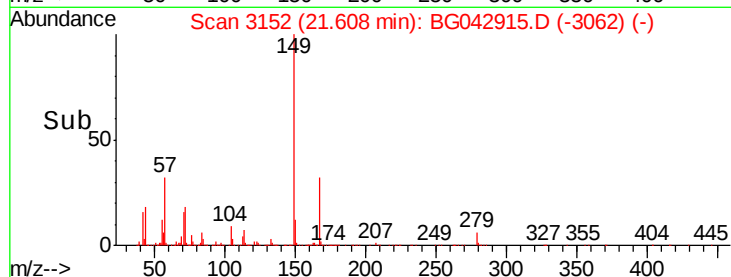


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 101.700 ng

RT: 22.83 min Scan# 3360

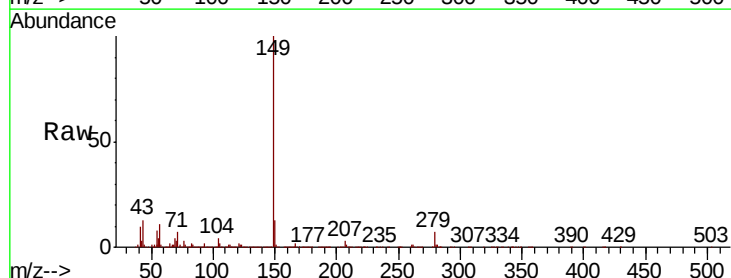
Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Tgt Ion:149 Resp: 2690066

Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.4	2.2
43	12.0	9.1	13.7

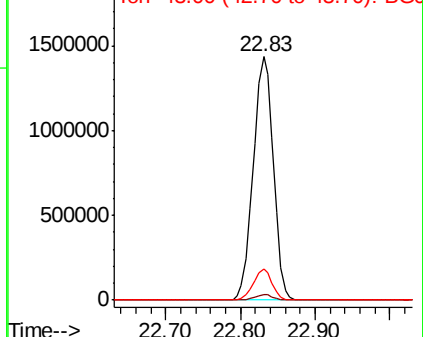
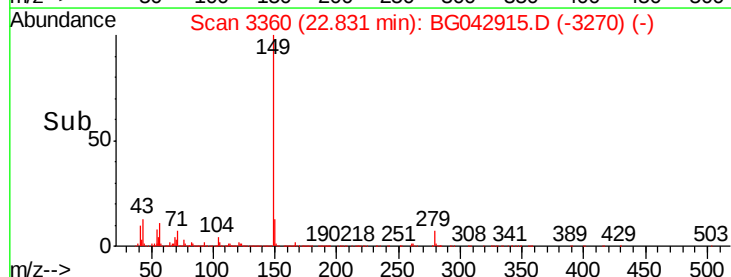


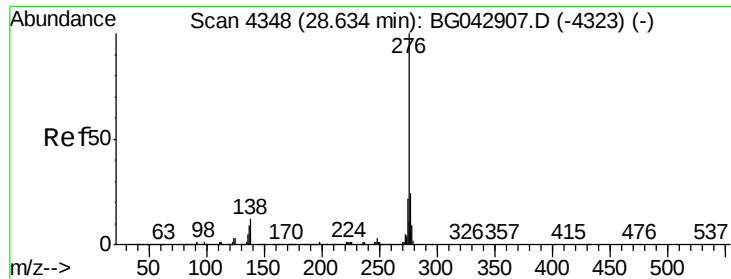
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#86

Indeno(1,2,3-cd)pyrene

Concen: 37.968 ng

RT: 28.64 min Scan# 4349

Delta R.T. 0.01 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

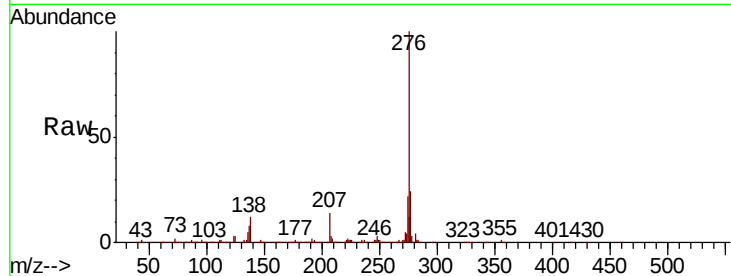
Tot Ion:276 Resp: 1383565

Ion Ratio Lower Upper

276 100

138 11.4 12.2 18.2#

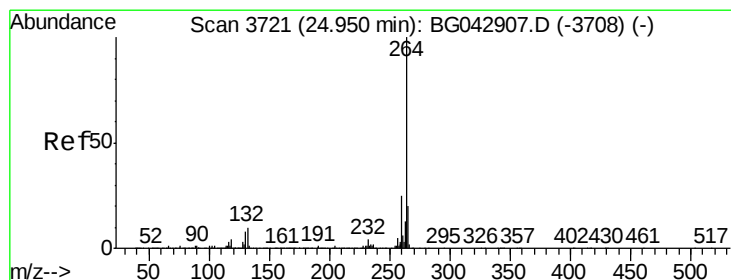
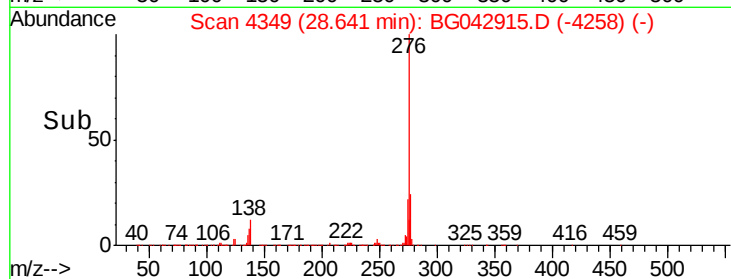
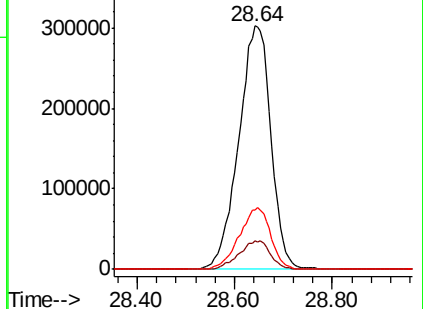
277 24.6 20.9 31.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.95 min Scan# 3721

Delta R.T. 0.00 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

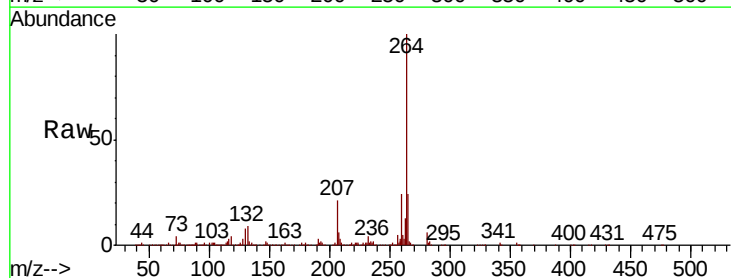
Tgt Ion:264 Resp: 561533

Ion Ratio Lower Upper

264 100

260 24.1 20.4 30.6

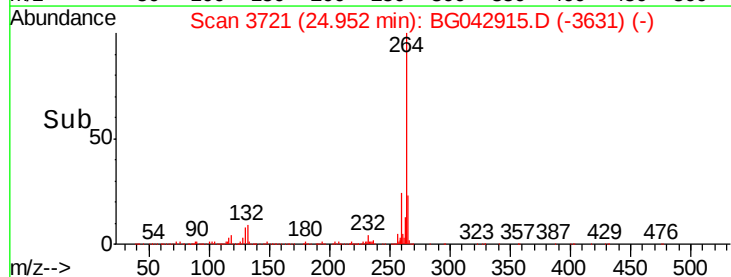
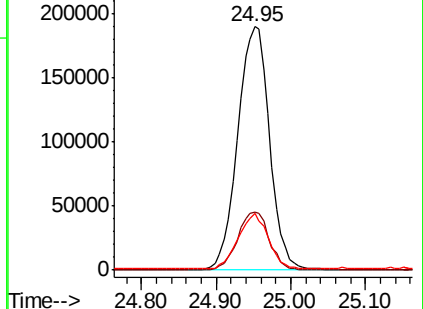
265 23.6 17.0 25.4

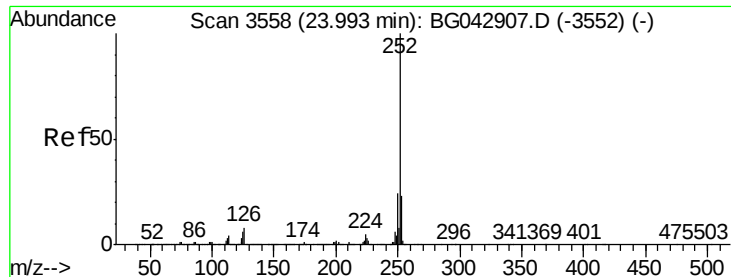


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(k)fluoranthene

Concen: 86.897 ng

RT: 24.00 min Scan# 3559

Delta R.T. 0.01 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

Instrument :

BNA_G

ClientSampleId :

PT-BN-WP

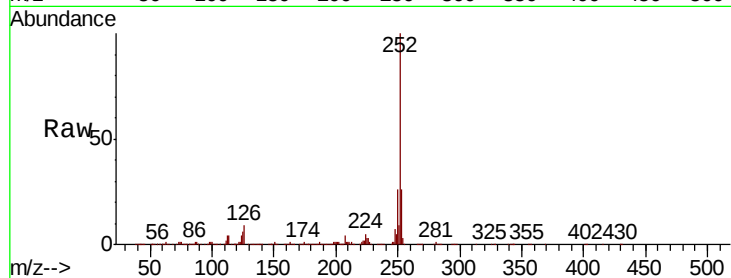
Tot Ion:252 Resp: 2684362

Ion Ratio Lower Upper

252 100

253 25.8 18.2 27.2

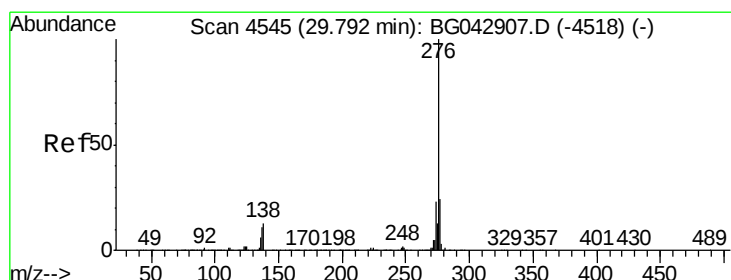
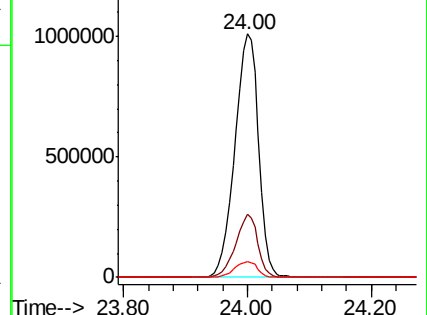
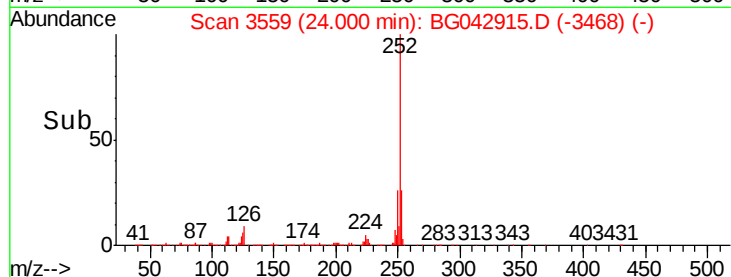
125 6.5 5.0 7.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 62.645 ng

RT: 29.81 min Scan# 4548

Delta R.T. 0.02 min

Lab File: BG042915.D

Acq: 23 Sep 2019 15:20

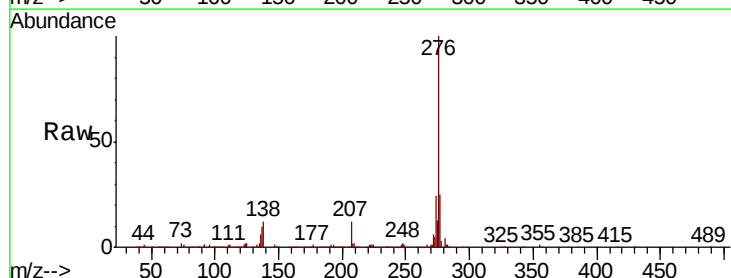
Tgt Ion:276 Resp: 1852907

Ion Ratio Lower Upper

276 100

277 25.0 19.2 28.8

138 12.2 10.6 15.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

