

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG093019\
 Data File : BG042956.D
 Acq On : 1 Oct 2019 00:40
 Operator : JU
 Sample : K5054-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 01 07:12:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	64788	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	246458	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	172904	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	430685	20.00	ng	0.00
76) Chrysene-d12	21.70	240	470582	20.00	ng	-0.01
87) Perylene-d12	24.92	264	242992	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	478910	131.92	ng	0.00
7) Phenol-d6	7.24	99	697127	133.35	ng	0.00
23) Nitrobenzene-d5	9.23	82	435643	85.92	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	401105	134.91	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1063581	89.17	ng	0.00
79) Terphenyl-d14	20.04	244	2132852	96.58	ng	0.00

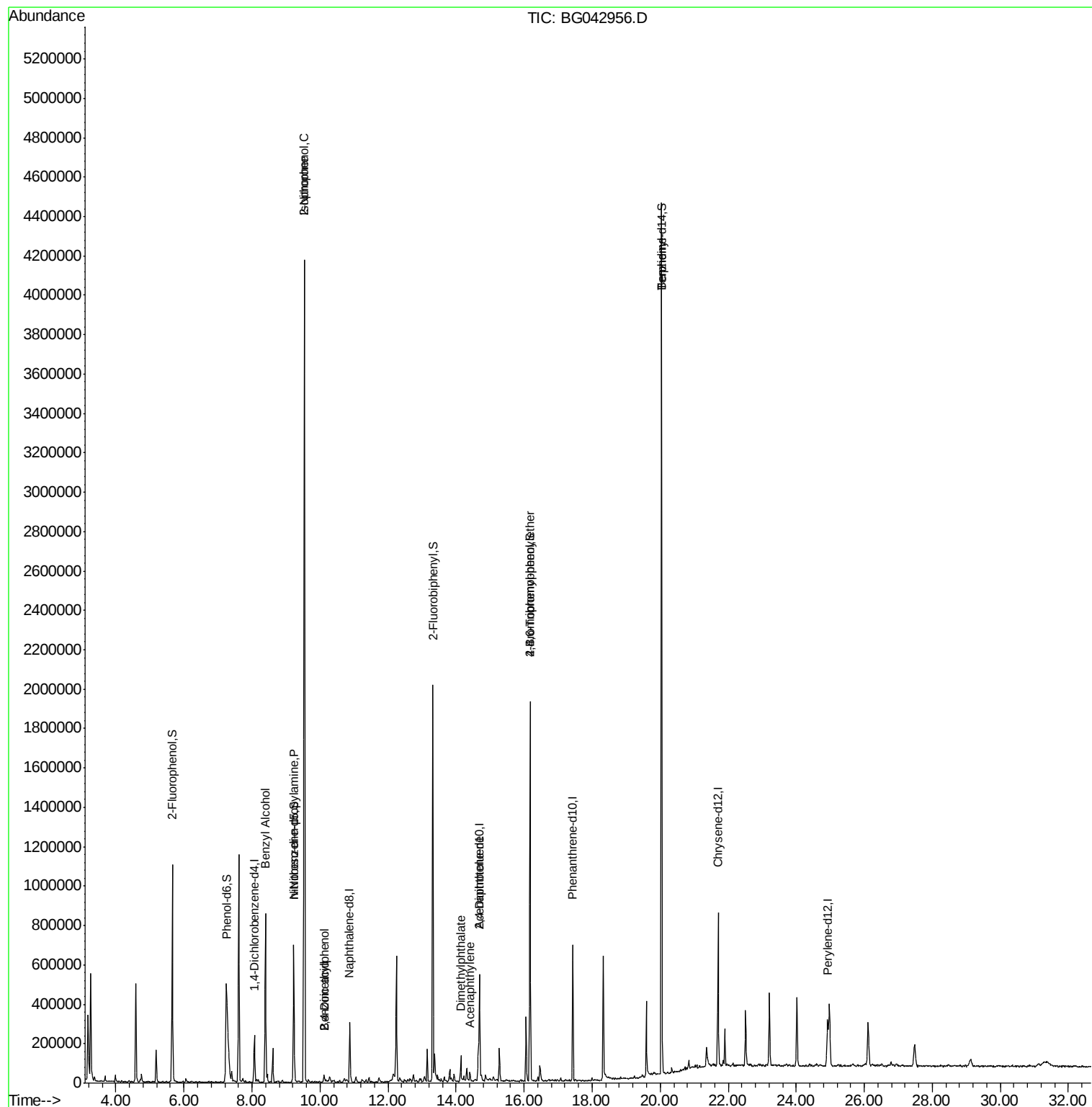
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.39	79	8193	2.084	ng	# 46
19) n-Nitroso-di-n-propylamine	9.23	70	61039	17.781	ng	# 71
25) Isophorone	9.54	82	450917	50.627	ng	# 78
26) 2-Nitrophenol	9.54	139	140396	68.189	ng	# 1
27) 2,4-Dimethylphenol	10.12	122	14661	4.637	ng	# 1
32) Benzoic acid	10.12	122	14661	9.178	ng	97
49) Acenaphthylene	14.41	152	30183	2.007	ng	100
50) Dimethylphthalate	14.14	163	81024	6.254	ng	# 97
57) 2,4-Dinitrotoluene	14.69	165	23684	5.862	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	27795	5.142	ng	# 1
77) Benzidine	20.04	184	35768	3.036	ng	# 92

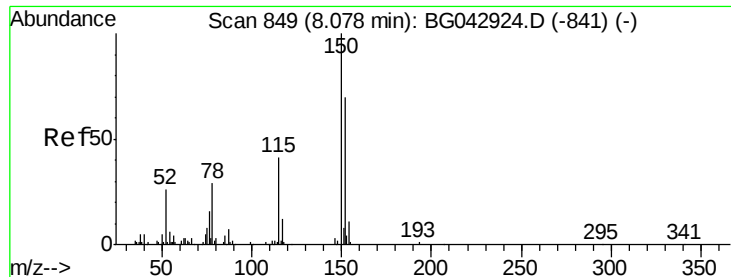
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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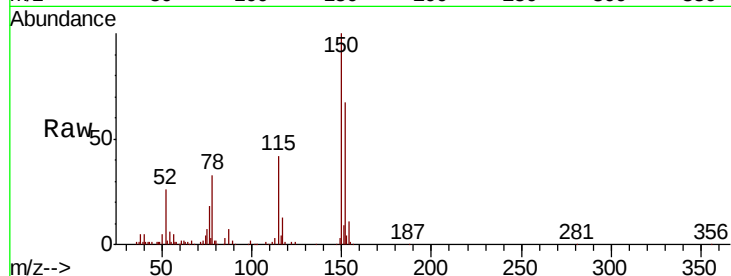


#1

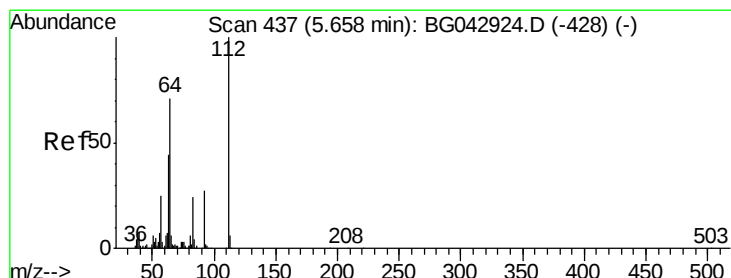
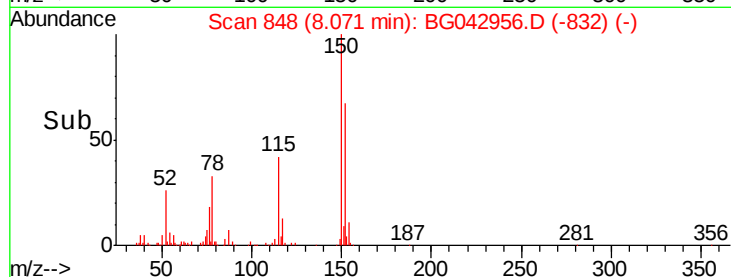
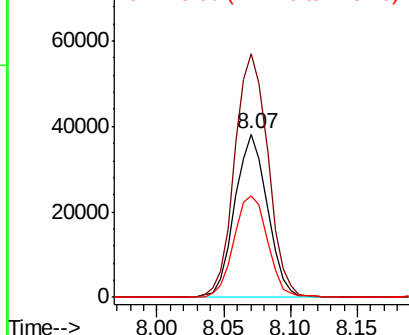
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64788
Ion Ratio Lower Upper
152 100
150 149.4 115.0 172.4
115 62.3 47.0 70.6



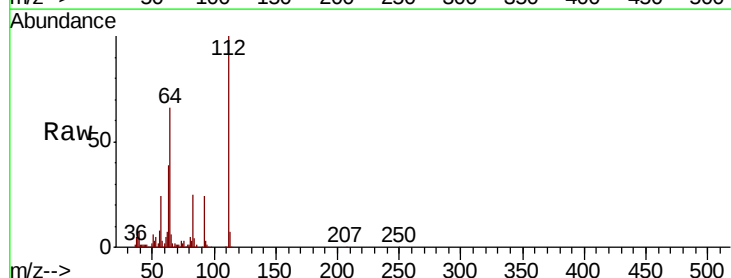
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



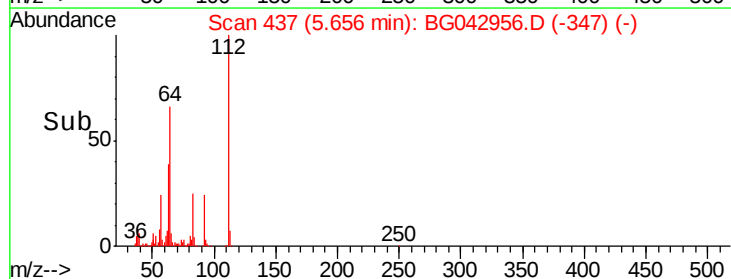
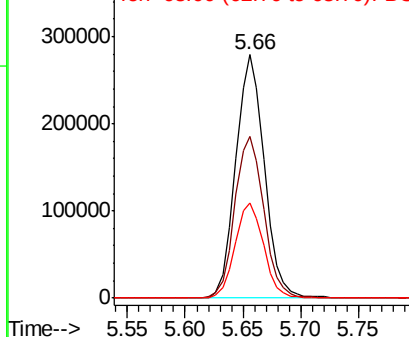
#5

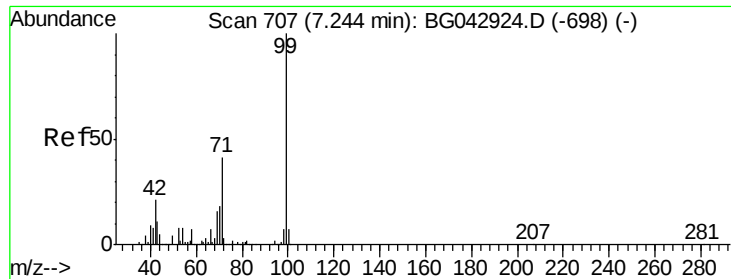
2-Fluorophenol
Concen: 131.918 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Tgt Ion:112 Resp: 478910
Ion Ratio Lower Upper
112 100
64 66.4 56.6 84.8
63 39.3 35.1 52.7



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: 133.347 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

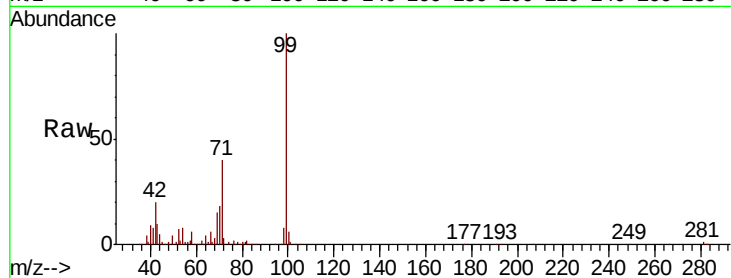
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 697127

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.2	25.8
71	39.9	33.1	49.7

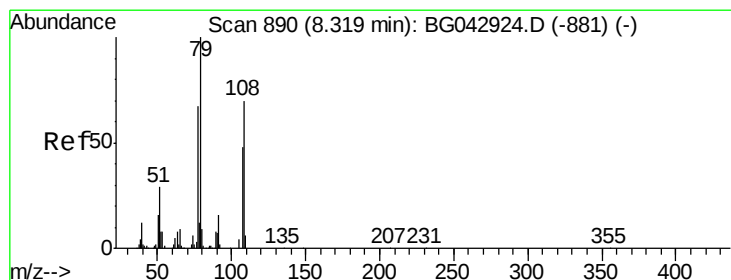
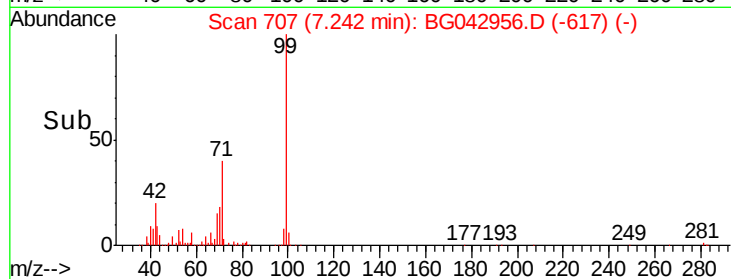
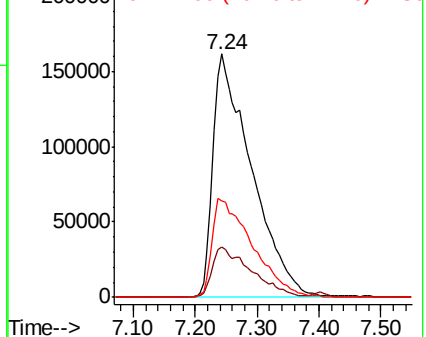


Abundance

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



#15

Benzyl Alcohol

Concen: 2.084 ng

RT: 8.39 min Scan# 903

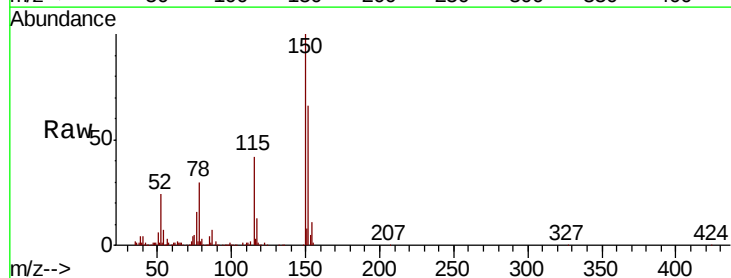
Delta R.T. 0.07 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

Tgt Ion: 79 Resp: 8193

Ion	Ratio	Lower	Upper
79	100		
108	32.5	55.7	83.5#
77	116.8	53.3	79.9#

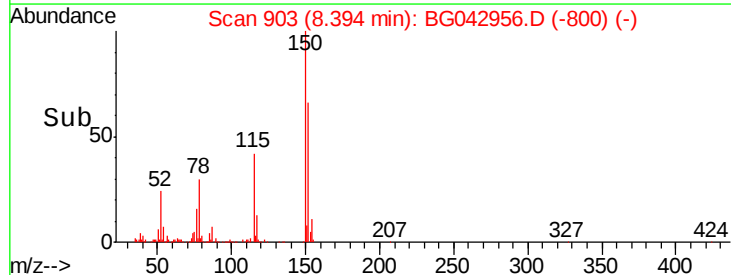
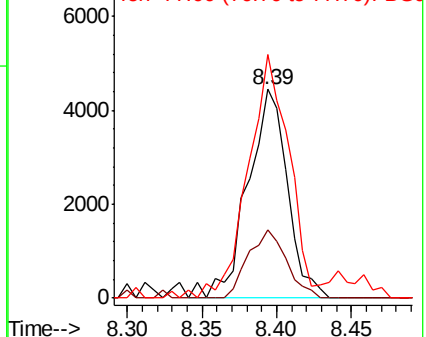


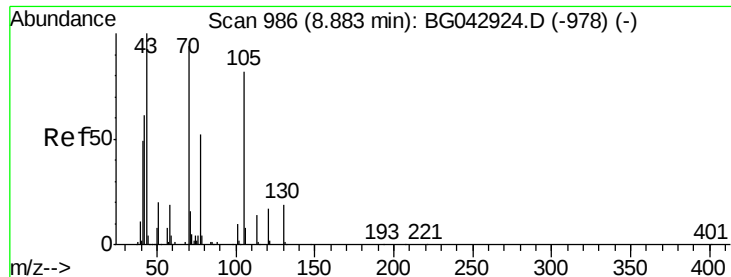
Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

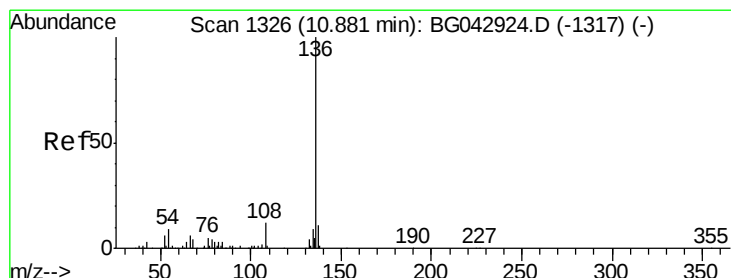
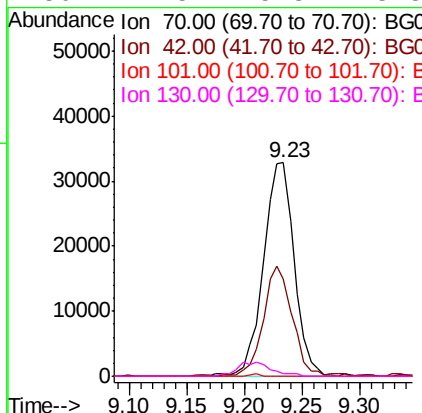
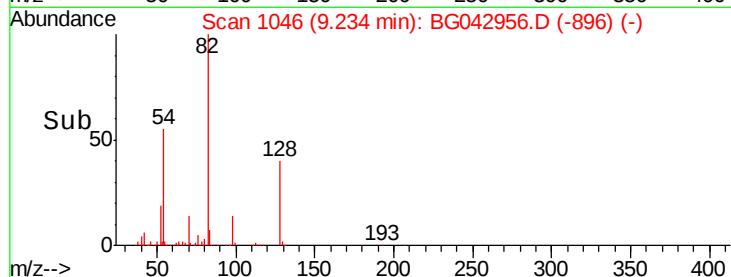
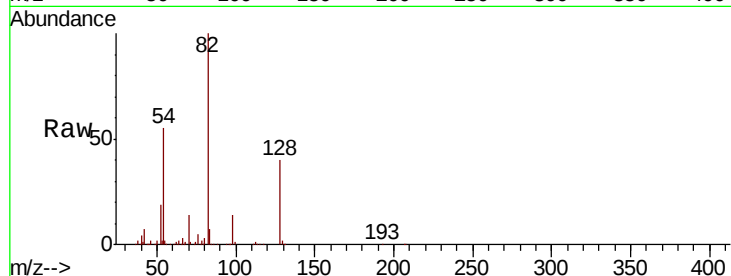




#19
n-Nitroso-di-n-propylamine
Concen: 17.781 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.35 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

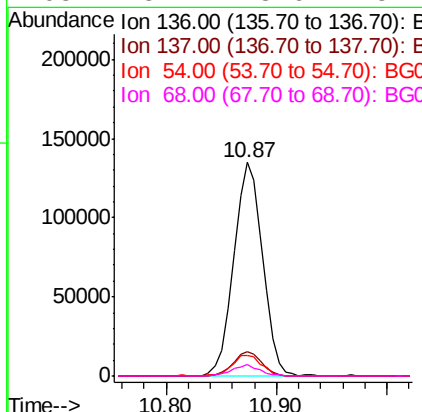
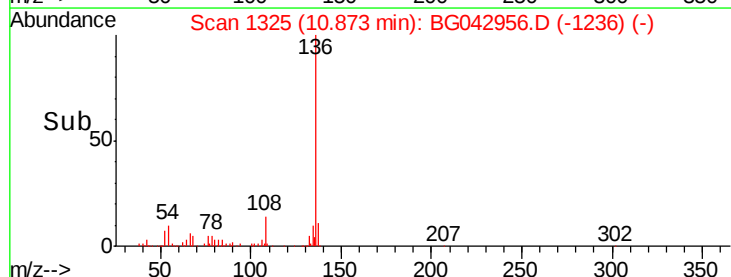
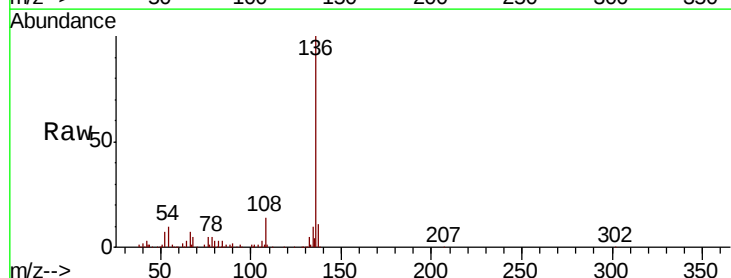
Instrument :
BNA_G
ClientSampleId :

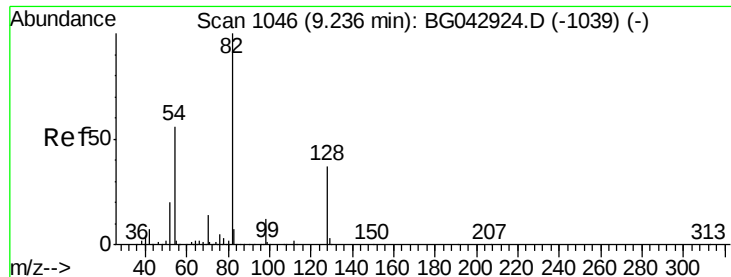
Tot Ion: 70 Resp: 61039
Ion Ratio Lower Upper
70 100
42 45.7 52.6 79.0#
101 0.0 8.7 13.1#
130 1.5 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Tgt Ion: 136 Resp: 246458
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 9.5 7.4 11.2
68 5.1 3.6 5.4

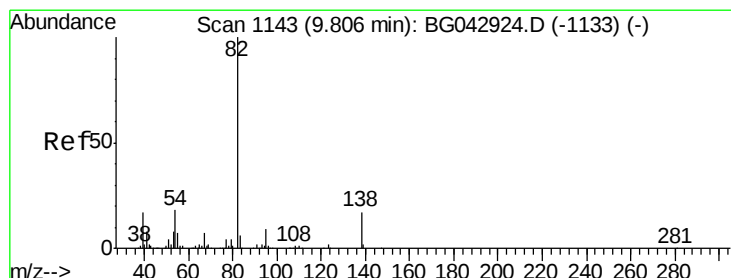
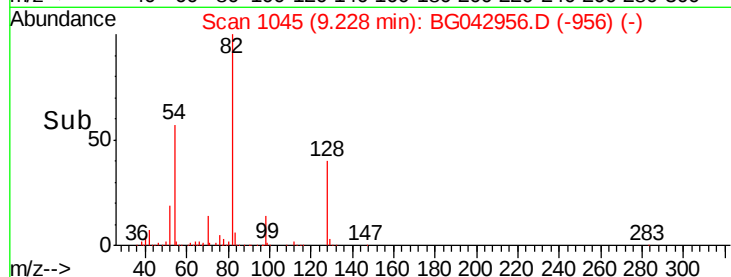
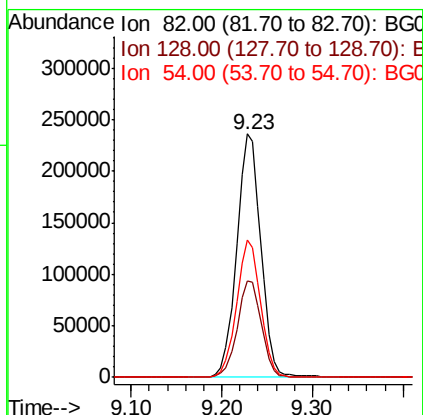
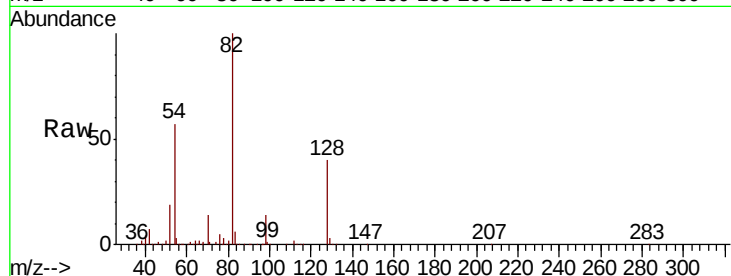




#23
Nitrobenzene-d5
Concen: 85.915 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

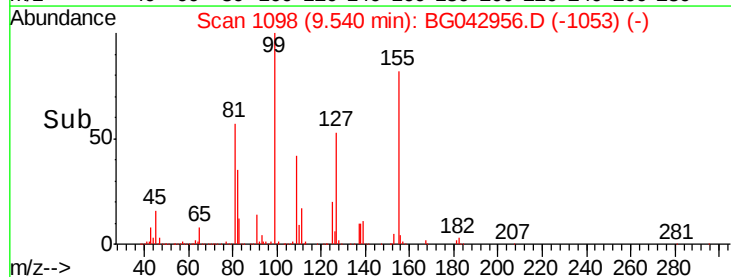
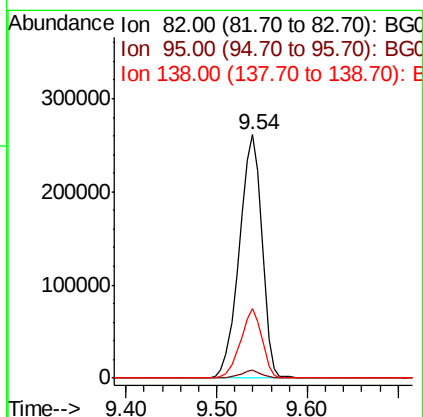
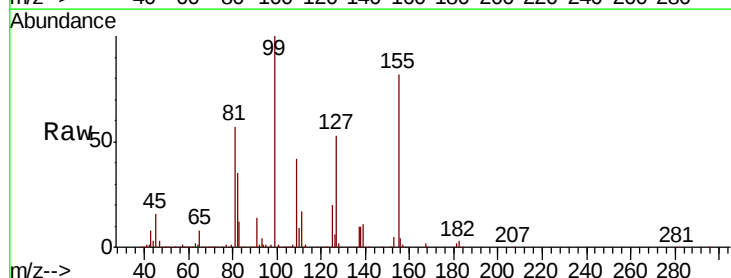
Instrument :
BNA_G
ClientSampleId :

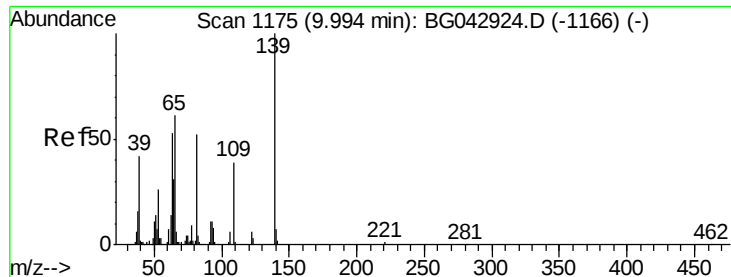
Tot Ion	82	Resp	435643
Ion Ratio	Lower	Upper	
82	100		
128	39.7	29.5	44.3
54	56.6	44.6	67.0



#25
Isophorone
Concen: 50.627 ng
RT: 9.54 min Scan# 1098
Delta R.T. -0.27 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Tgt Ion	82	Resp	450917
Ion Ratio	Lower	Upper	
82	100		
95	3.4	7.0	10.4#
138	28.3	13.8	20.6#

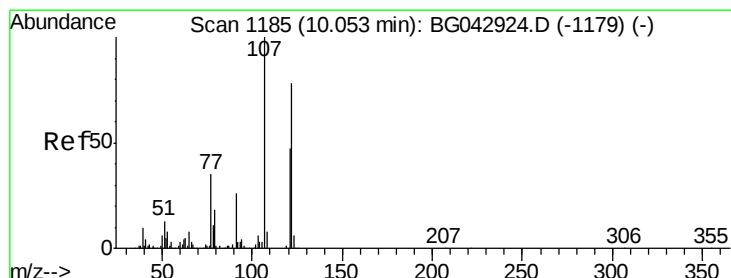
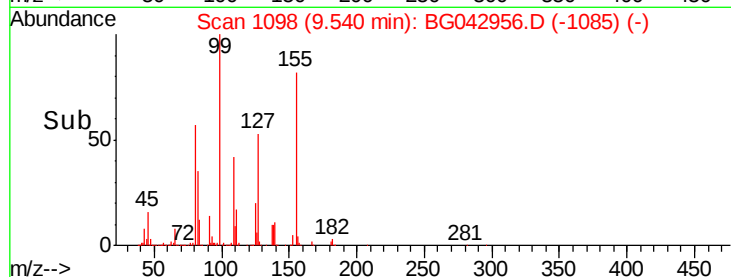
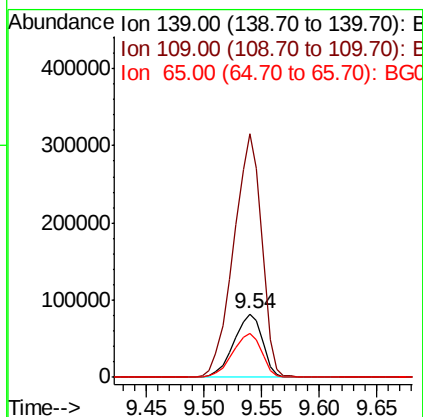
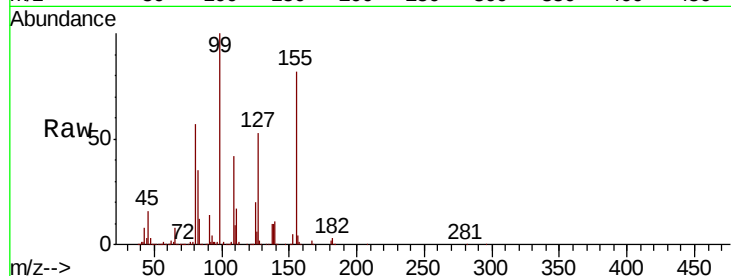




#26
2-Nitrophenol
Concen: 68.189 ng
RT: 9.54 min Scan# 1098
Delta R.T. -0.45 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

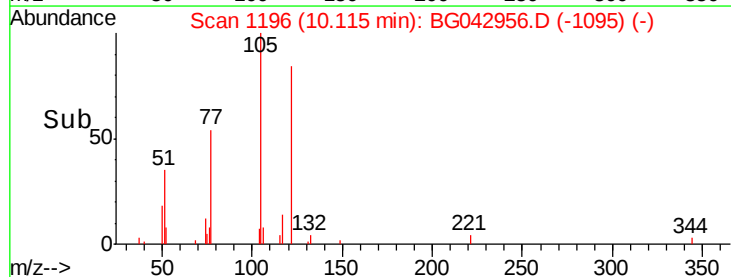
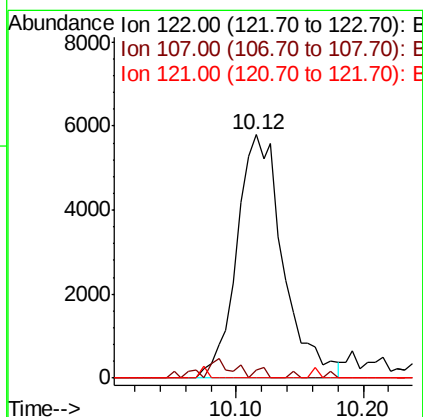
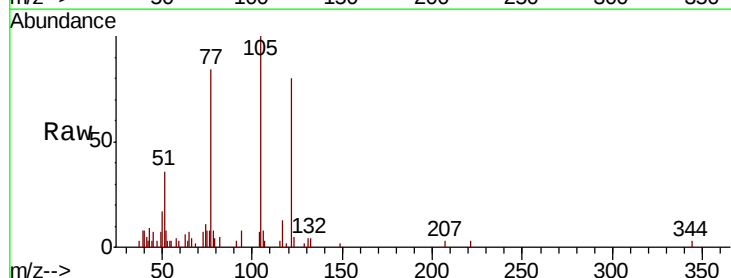
Instrument :
BNA_G
ClientSampleId :

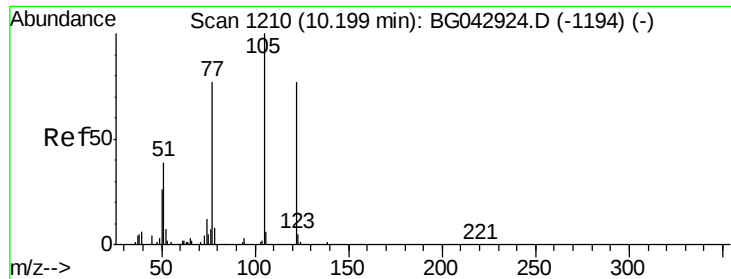
Tot Ion	Ratio	Lower	Upper
139	100		
109	384.2	31.0	46.6#
65	69.6	48.4	72.6



#27
2,4-Dimethylphenol
Concen: 4.637 ng
RT: 10.12 min Scan# 1196
Delta R.T. 0.06 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Tgt Ion	Ratio	Lower	Upper
122	100		
107	3.2	102.2	153.2#
121	0.0	48.5	72.7#

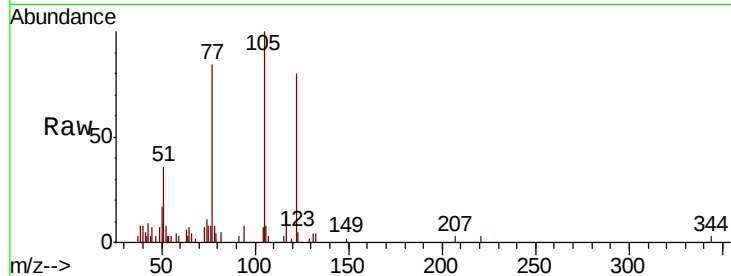




#32
Benzoic acid
Concen: 9.178 ng
RT: 10.12 min Scan# 1196
Delta R.T. -0.08 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	125.2	107.5	147.5
77	104.7	79.8	119.8

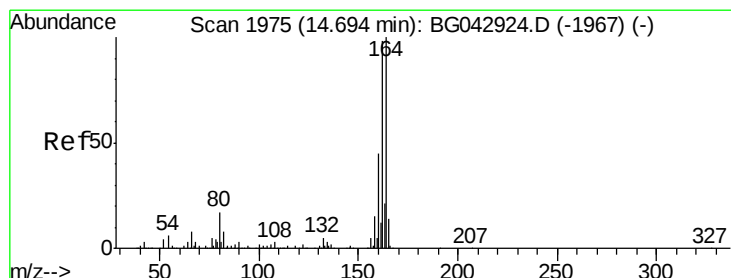
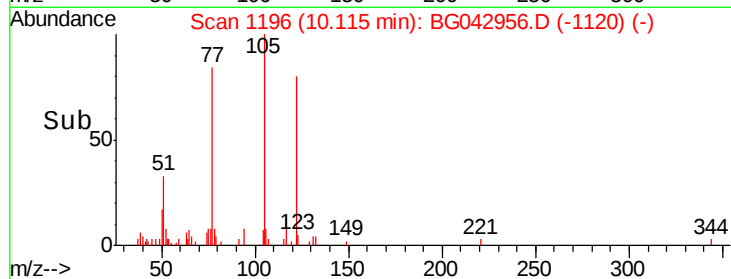
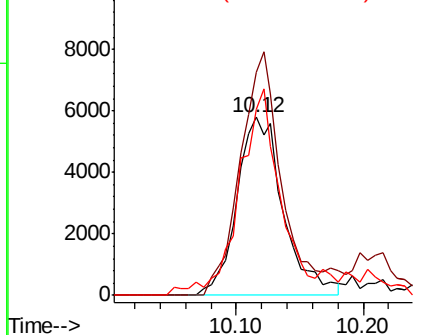


Abundance

Ion 122.00 (121.70 to 122.70): E

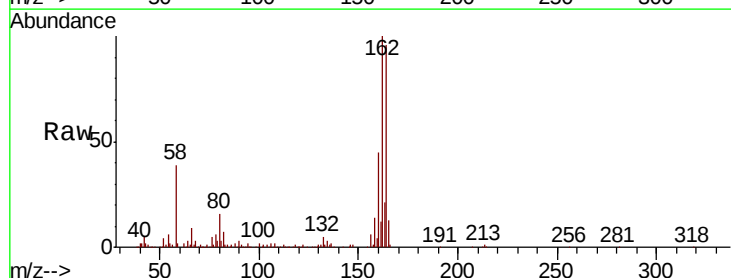
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	78.5	117.7
160	46.9	35.9	53.9

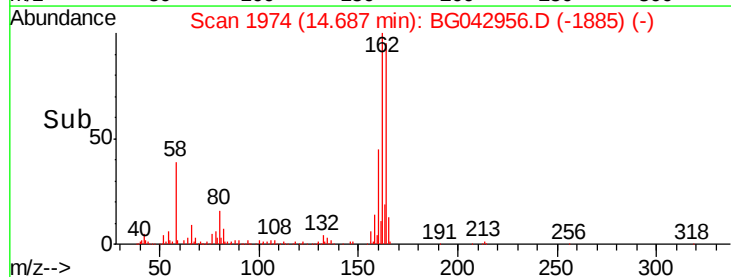
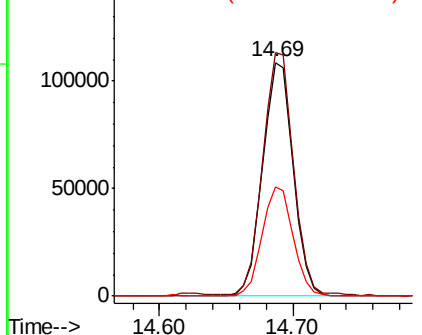


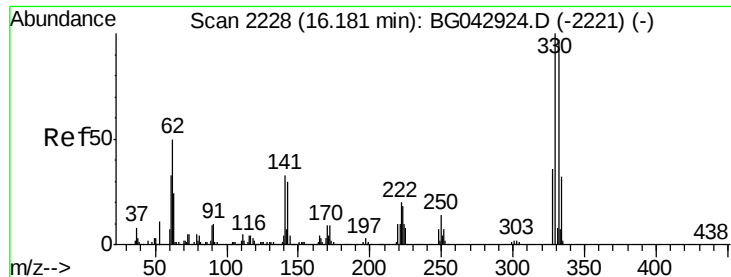
Abundance

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

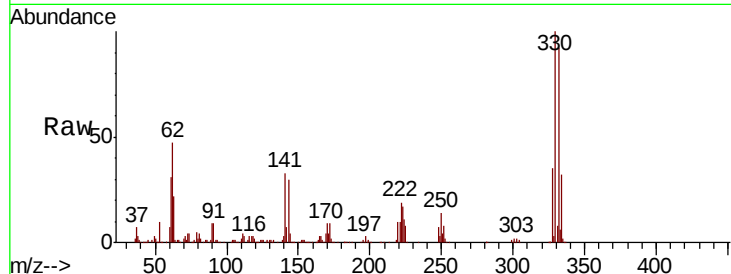




#42
2,4,6-Tribromophenol
Concen: 134.907 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.2	117.2
141	31.5	26.0	39.0

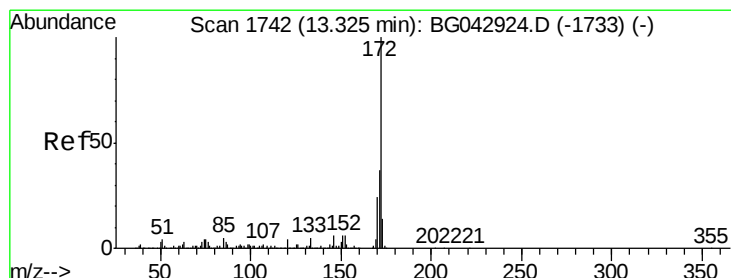
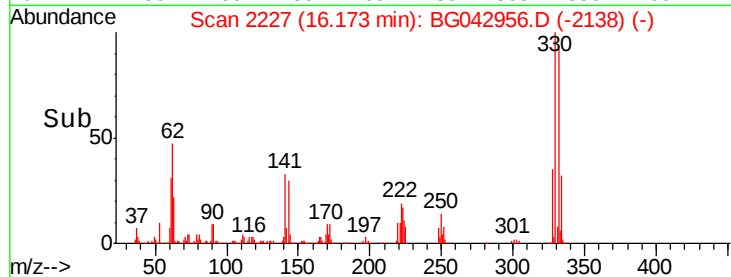
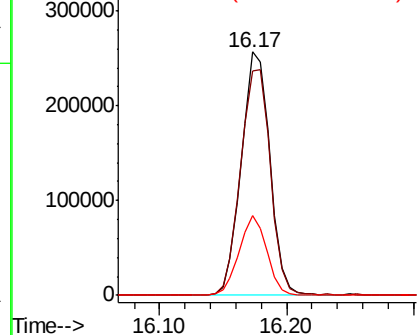


Abundance

Ion 329.80 (329.50 to 330.50): E

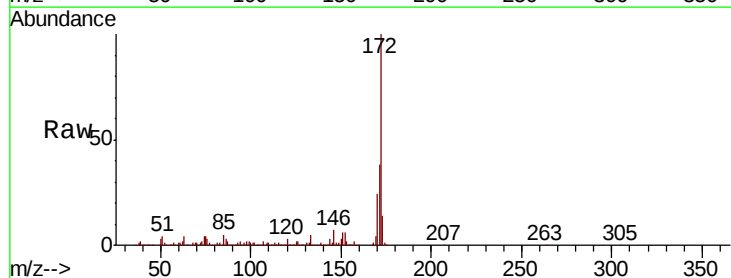
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 89.175 ng
RT: 13.32 min Scan# 1741
Delta R.T. -0.01 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.6	44.4
170	23.7	19.6	29.4

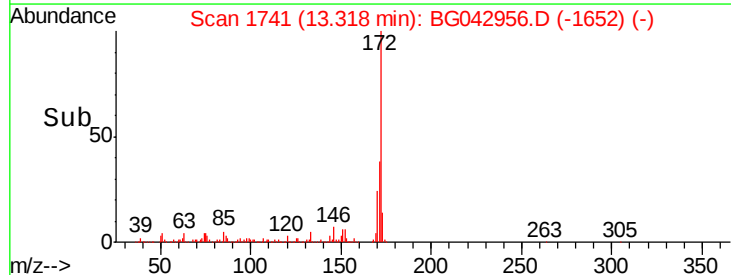
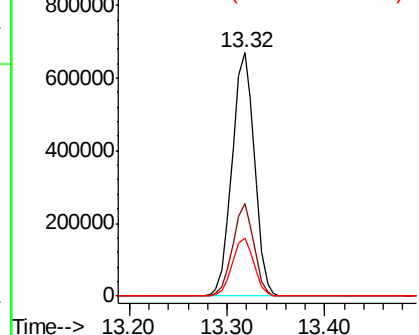


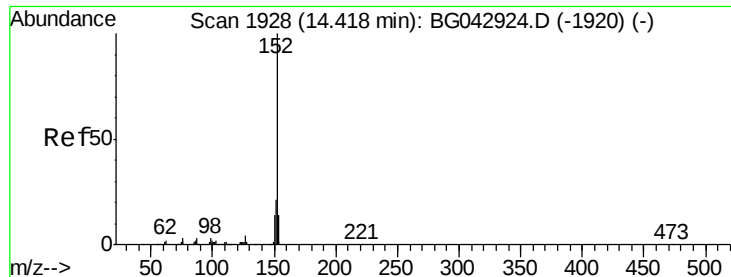
Abundance

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





#49

Acenaphthylene

Concen: 2.007 ng

RT: 14.41 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

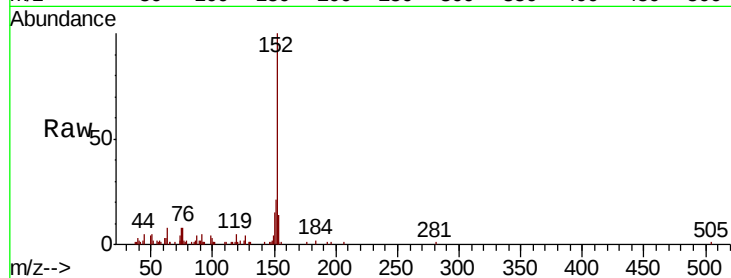
Instrument :

BNA_G

ClientSampleId :

Tot Ion:152 Resp: 30183

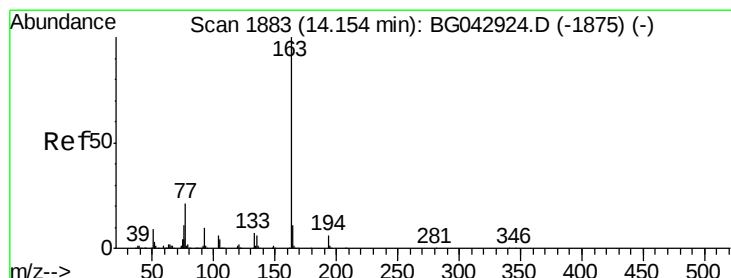
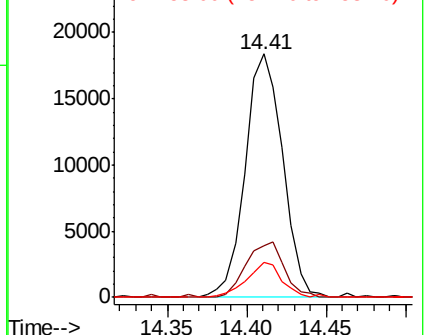
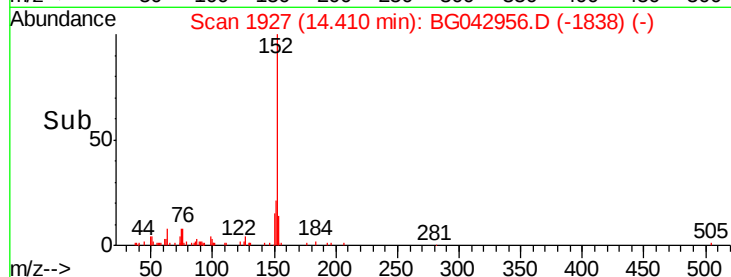
Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.8	25.2
153	14.4	11.3	16.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 6.254 ng

RT: 14.14 min Scan# 1881

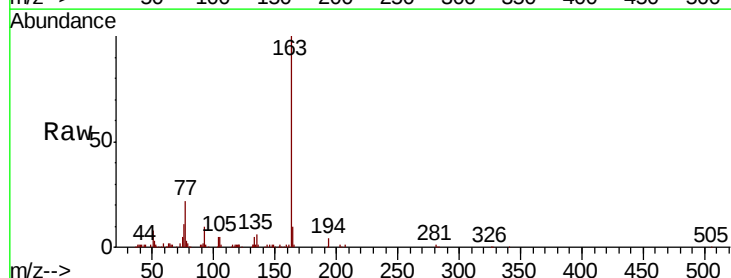
Delta R.T. -0.01 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

Tgt Ion:163 Resp: 81024

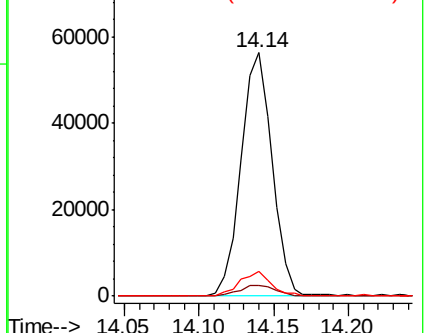
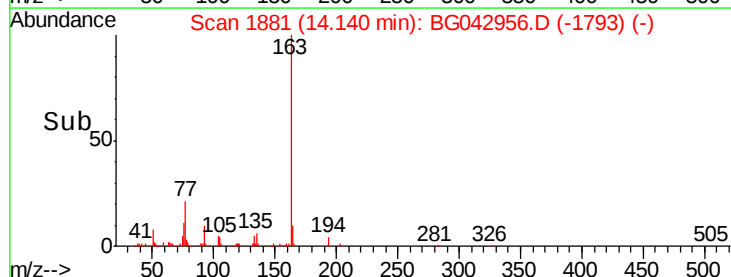
Ion	Ratio	Lower	Upper
163	100		
194	4.3	4.4	6.6#
164	9.9	8.6	12.8

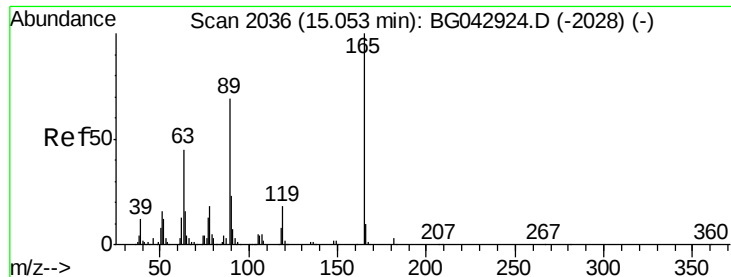


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 5.862 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.37 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 23684

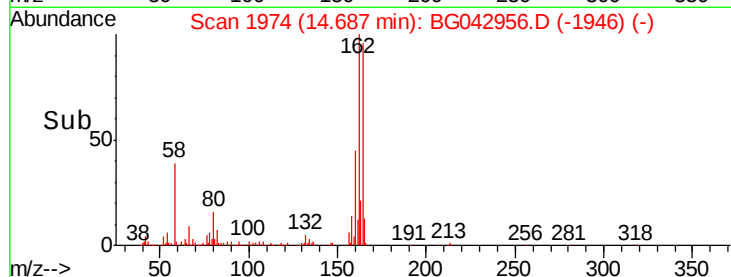
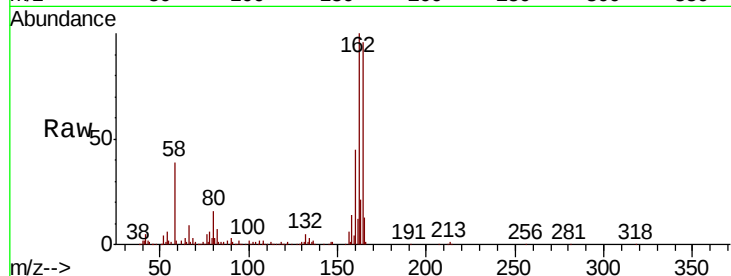
Ion Ratio Lower Upper

165 100

63 2.7 36.5 54.7#

89 2.6 55.5 83.3#

182 0.0 2.4 3.6#

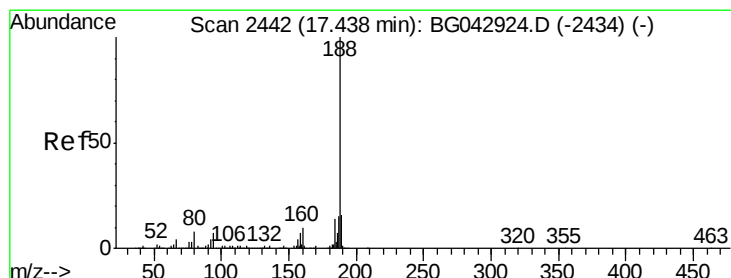
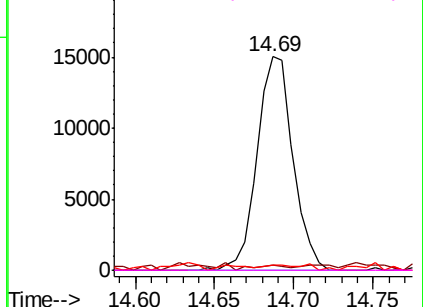


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

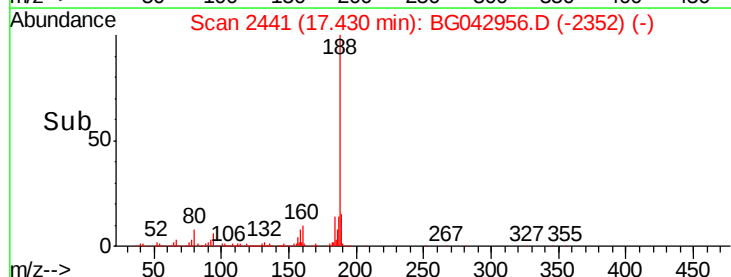
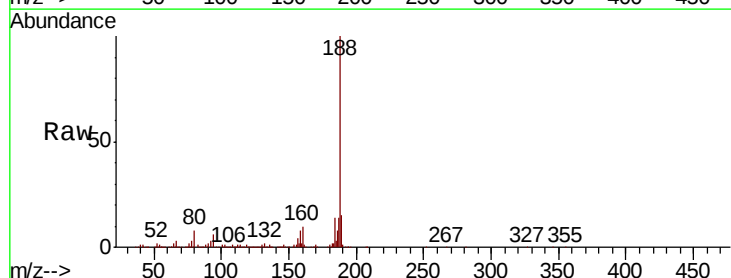
Tgt Ion:188 Resp: 430685

Ion Ratio Lower Upper

188 100

94 6.3 5.7 8.5

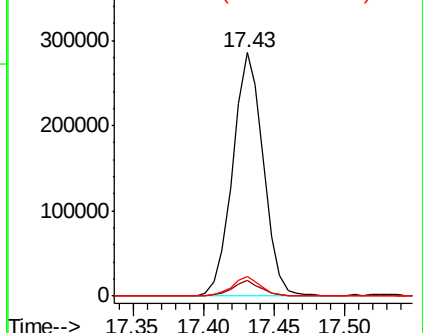
80 8.3 6.5 9.7

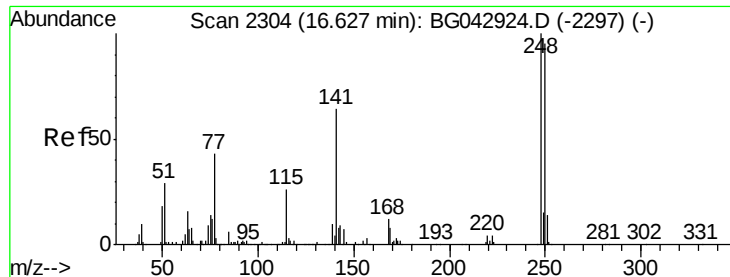


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 5.142 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

Instrument :

BNA_G

ClientSampleId :

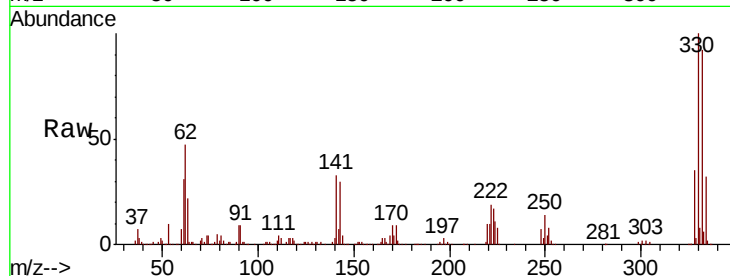
Tot Ion:248 Resp: 27795

Ion Ratio Lower Upper

248 100

250 210.0 75.8 113.8#

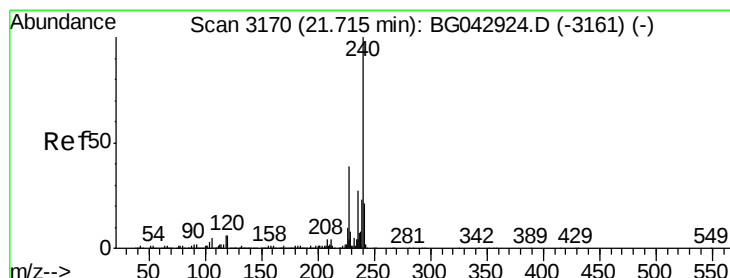
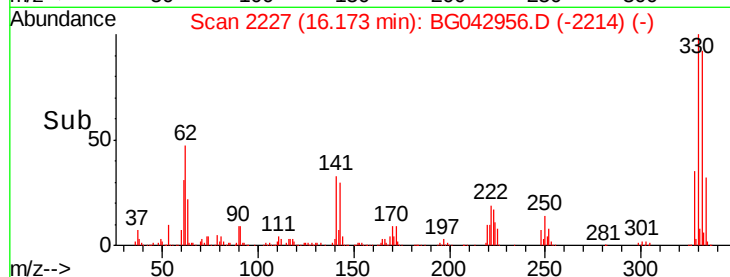
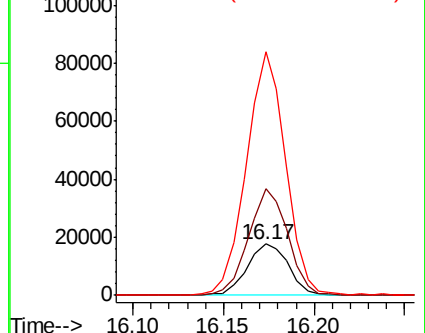
141 477.4 51.1 76.7#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

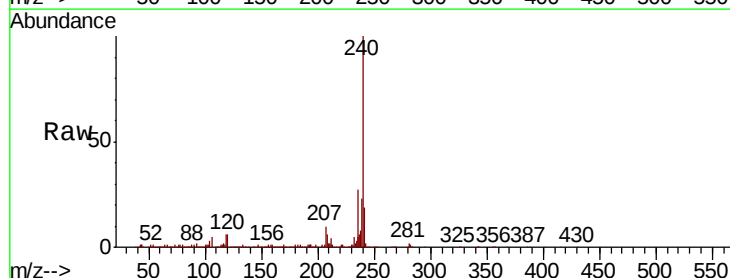
Tgt Ion:240 Resp: 470582

Ion Ratio Lower Upper

240 100

120 5.6 4.8 7.2

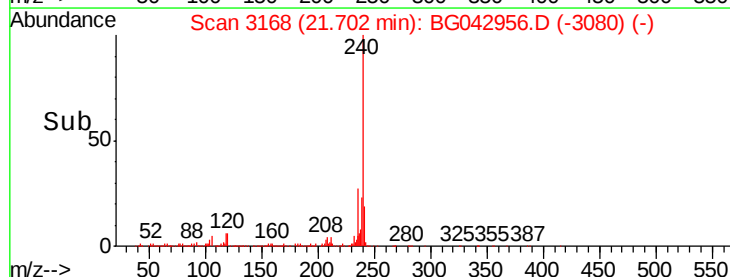
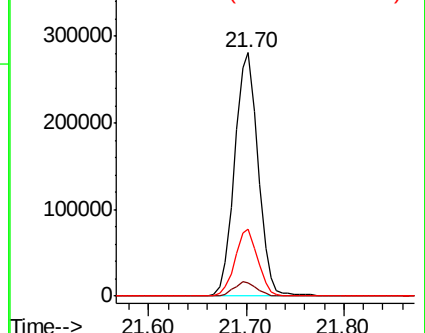
236 27.4 21.4 32.0

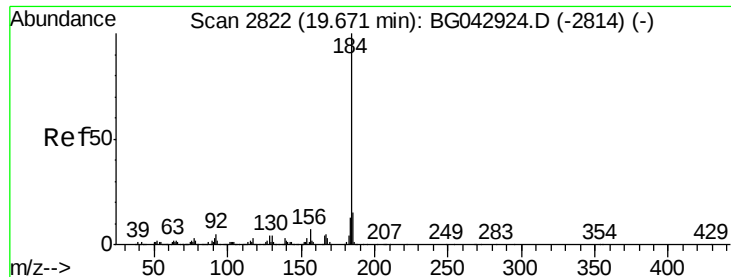


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.036 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

Instrument :

BNA_G

ClientSampleId :

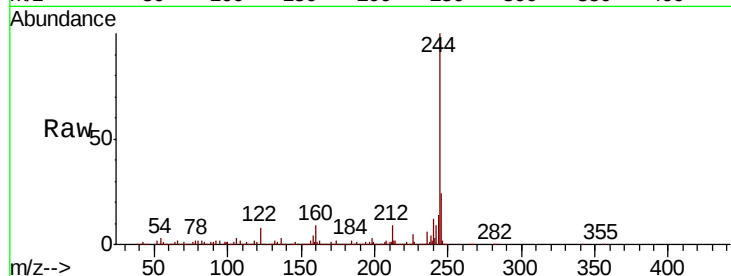
Tot Ion:184 Resp: 35768

Ion Ratio Lower Upper

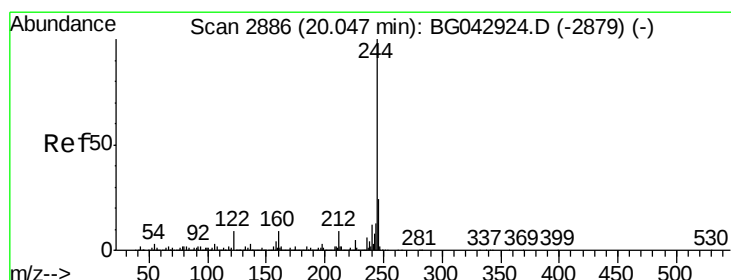
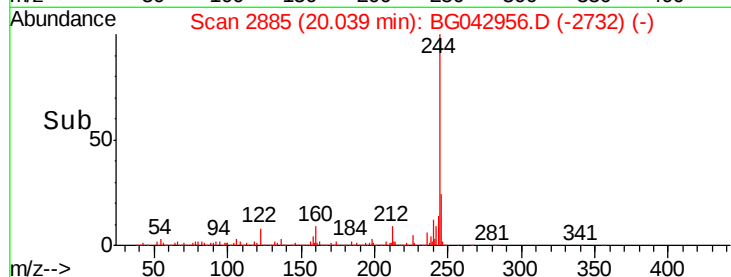
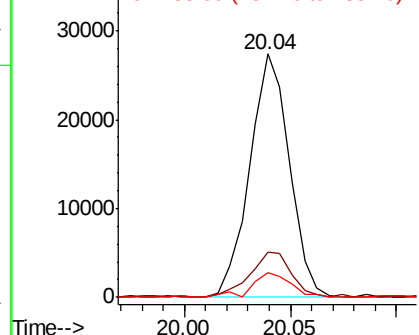
184 100

185 18.7 11.8 17.8#

183 10.3 10.1 15.1



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 96.579 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG042956.D

Acq: 1 Oct 2019 00:40

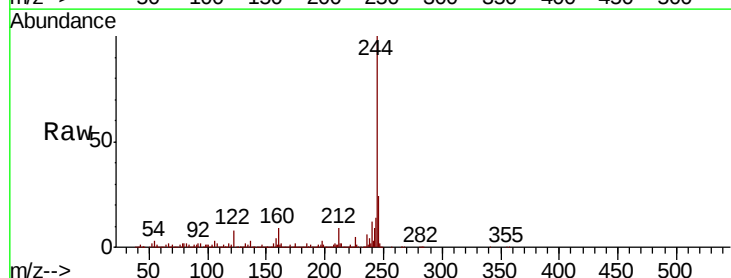
Tgt Ion:244 Resp: 2132852

Ion Ratio Lower Upper

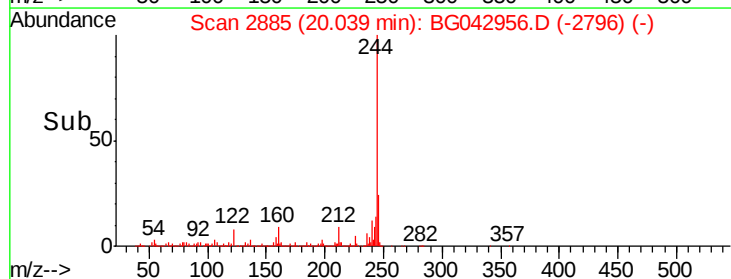
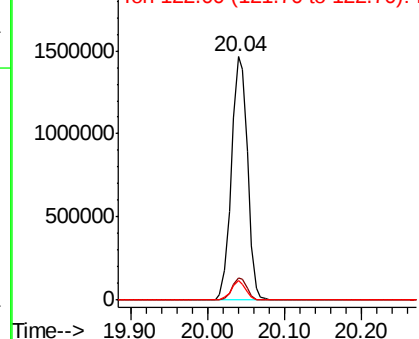
244 100

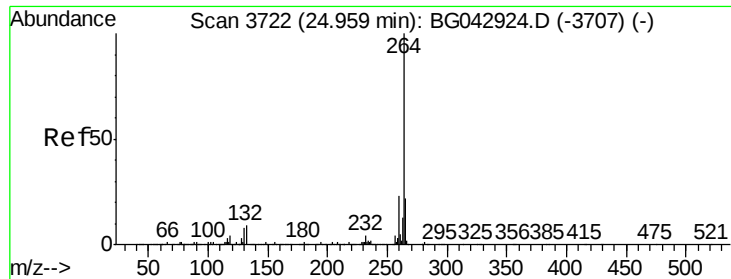
212 9.1 7.4 11.0

122 8.1 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

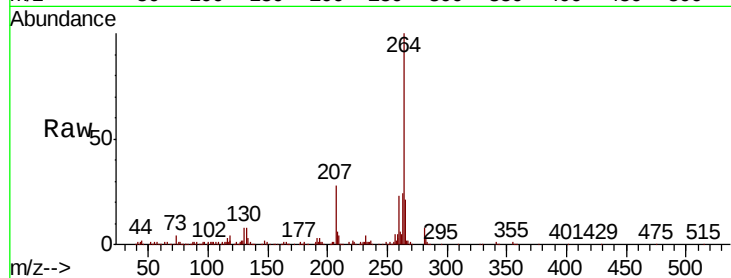




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.04 min
Lab File: BG042956.D
Acq: 1 Oct 2019 00:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	20.6	17.7	26.5



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

