

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110119\
 Data File : BG043471.D
 Acq On : 1 Nov 2019 18:36
 Operator : JU
 Sample : K5602-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190939-COMPOSITE-B

Quant Time: Nov 22 05:36:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

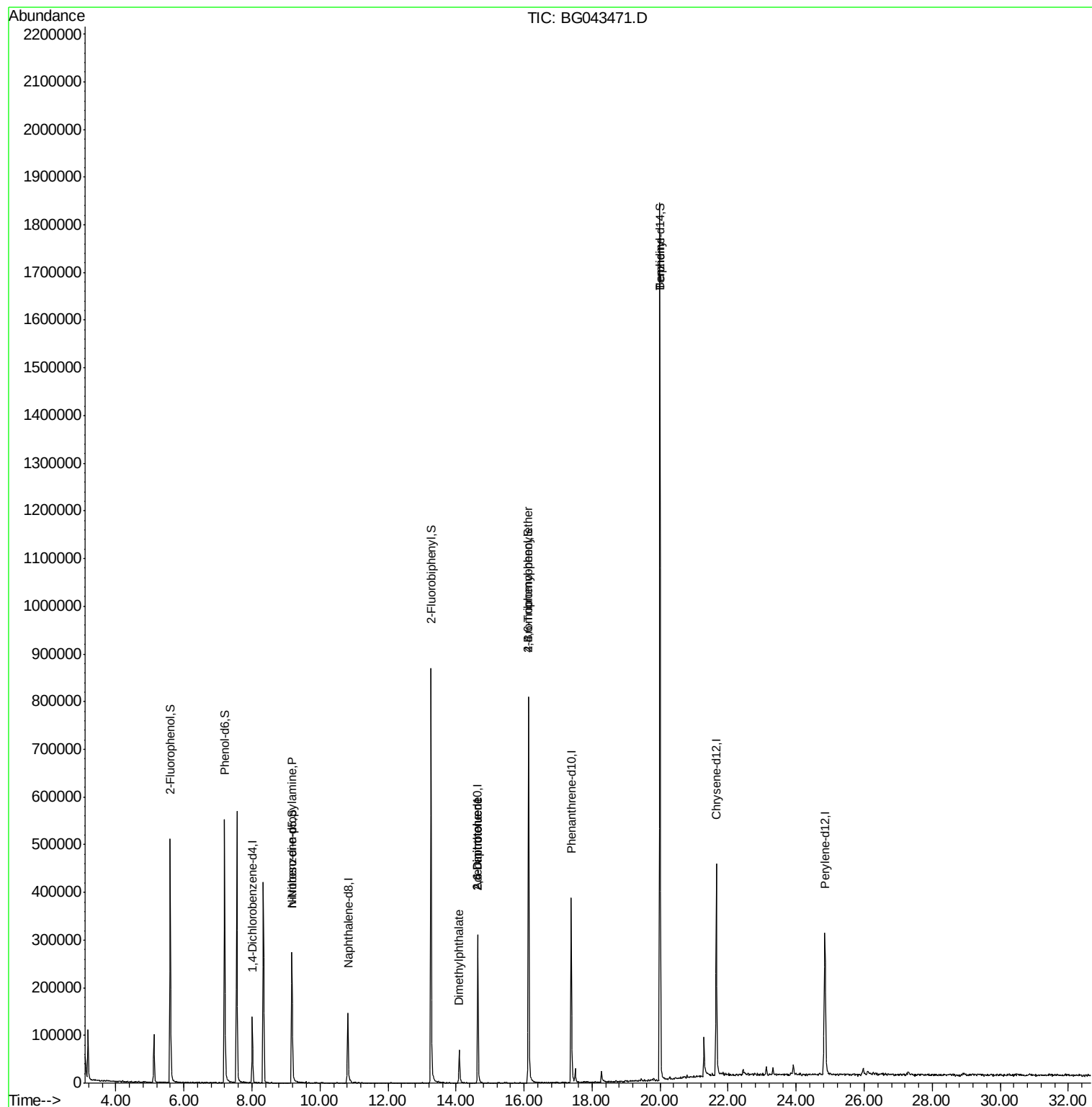
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	41266	20.00	ng	0.02
21) Naphthalene-d8	10.82	136	153862	20.00	ng	0.03
39) Acenaphthene-d10	14.64	164	118857	20.00	ng	0.02
64) Phenanthrene-d10	17.38	188	282139	20.00	ng	0.02
76) Chrysene-d12	21.65	240	305594	20.00	ng	0.02
87) Perylene-d12	24.84	264	356415	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	245591	109.06	ng	0.02
7) Phenol-d6	7.20	99	345133	106.52	ng	0.01
23) Nitrobenzene-d5	9.18	82	200694	67.25	ng	0.02
42) 2,4,6-Tribromophenol	16.13	330	201857	89.24	ng	0.02
45) 2-Fluorobiphenyl	13.27	172	527949	61.38	ng	0.02
79) Terphenyl-d14	20.00	244	1030502	63.26	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	26521	12.667	ng	Qvalue # 68
50) Dimethylphthalate	14.09	163	63606	6.909	ng	# 99
51) 2,6-Dinitrotoluene	14.63	165	15774	7.887	ng	# 28
57) 2,4-Dinitrotoluene	14.63	165	15774	5.519	ng	# 28
67) 4-Bromophenyl-phenylether	16.13	248	13225	3.483	ng	# 1
77) Benzidine	19.99	184	14252	2.317	ng	# 94

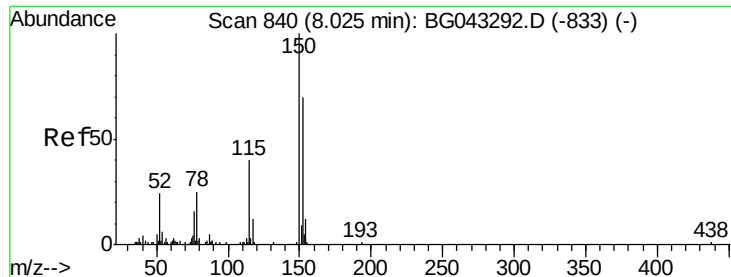
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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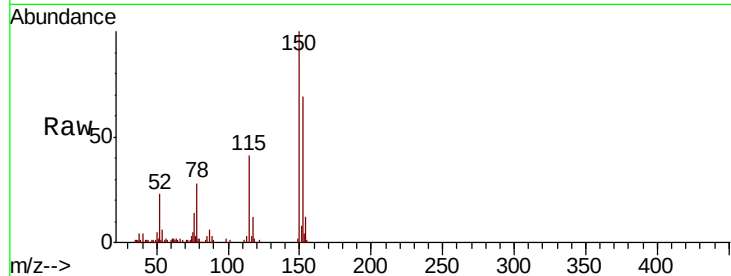


#1

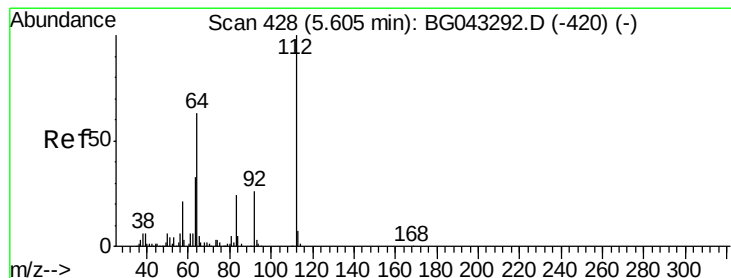
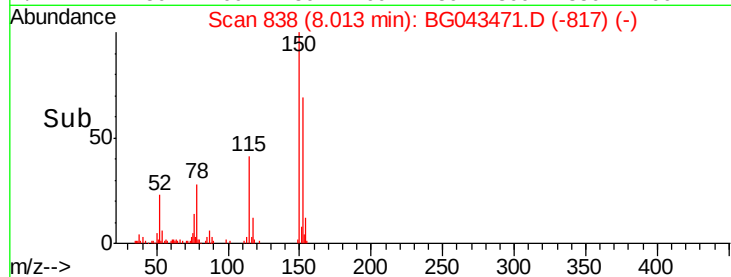
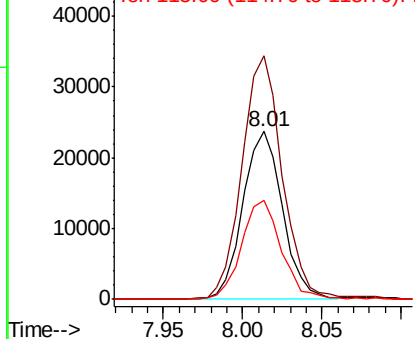
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.02 min
Lab File: BG043471.D
Acq: 1 Nov 2019 18:36

Instrument :
BNA_G
ClientSampleId :
20190939-COMPOSITE-B

Tot Ion:152 Resp: 41266
Ion Ratio Lower Upper
152 100
150 145.3 116.6 175.0
115 59.1 40.5 60.7



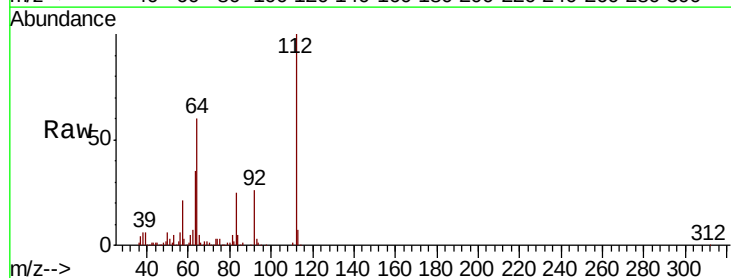
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



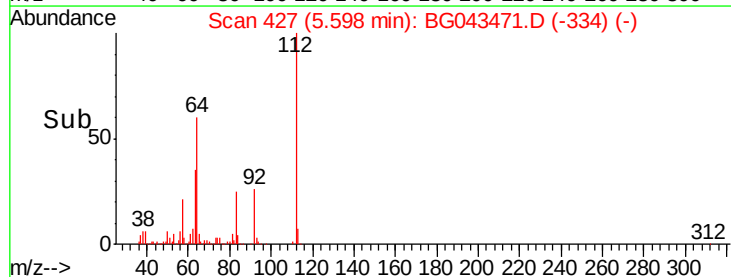
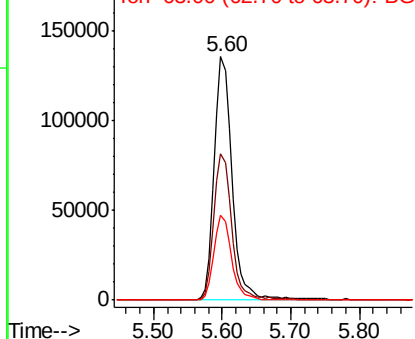
#5

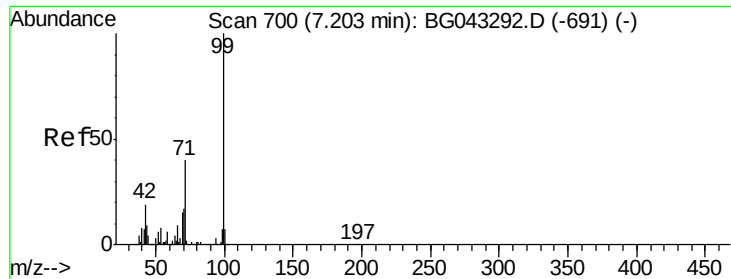
2-Fluorophenol
Concen: 109.056 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.02 min
Lab File: BG043471.D
Acq: 1 Nov 2019 18:36

Tgt Ion:112 Resp: 245591
Ion Ratio Lower Upper
112 100
64 60.1 50.6 75.8
63 35.0 30.5 45.7



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: 106.521 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

Instrument :

BNA_G

ClientSampleId :

20190939-COMPOSITE-B

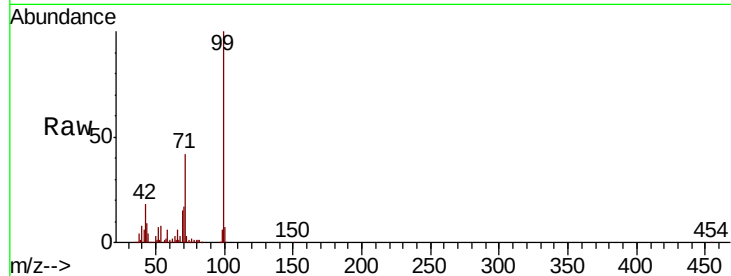
Tot Ion: 99 Resp: 345133

Ion Ratio Lower Upper

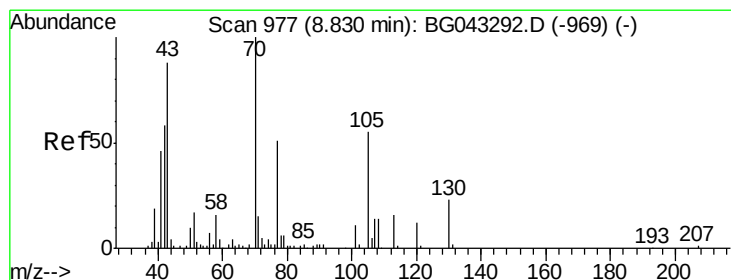
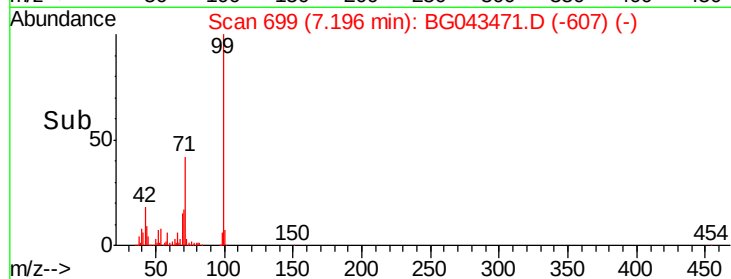
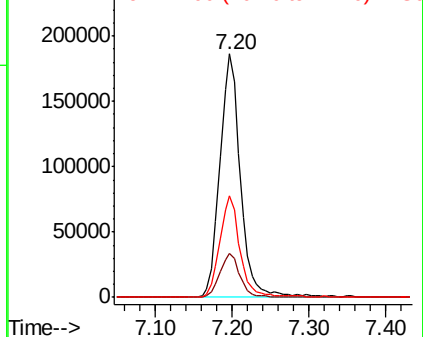
99 100

42 18.3 15.8 23.8

71 41.7 34.4 51.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.667 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.38 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

Tgt Ion: 70 Resp: 26521

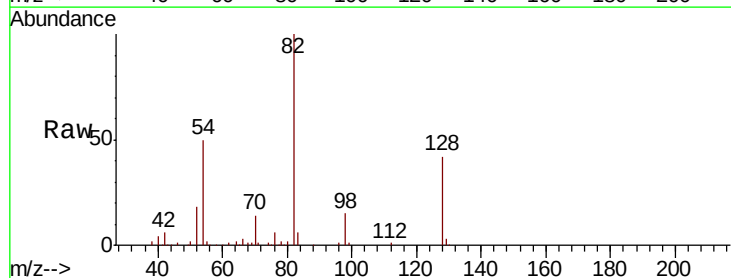
Ion Ratio Lower Upper

70 100

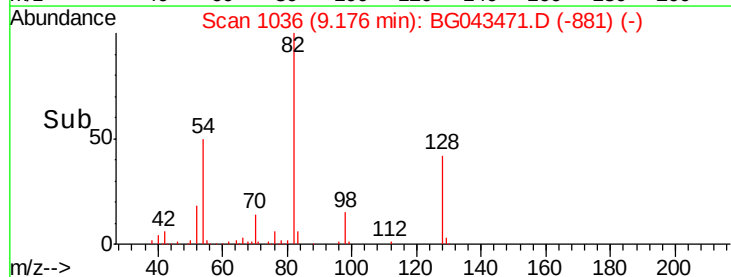
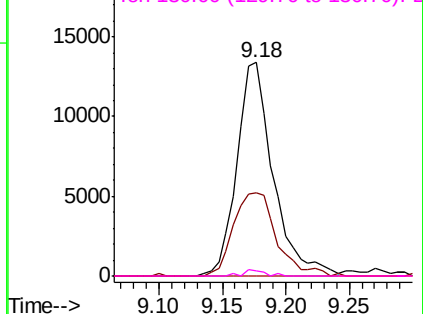
42 39.2 49.7 74.5#

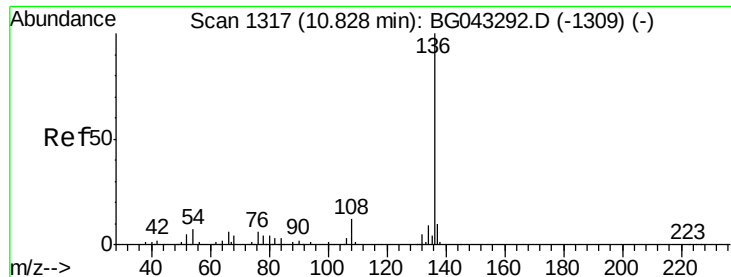
101 0.0 9.7 14.5#

130 2.7 17.7 26.5#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

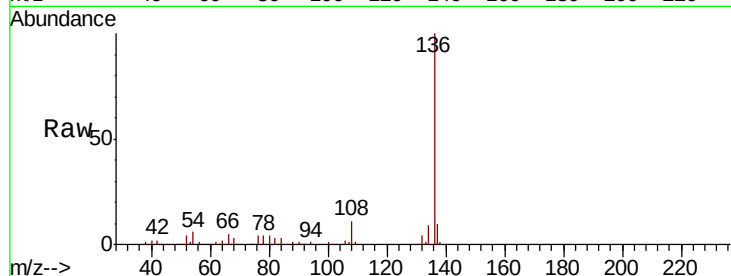




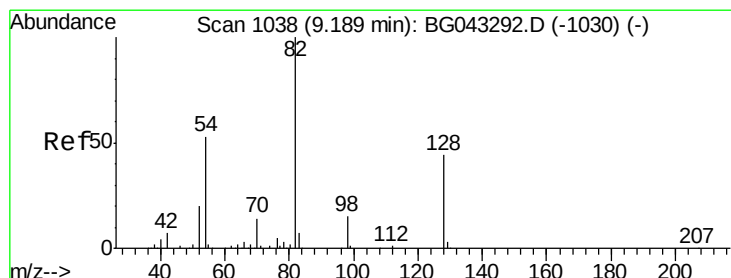
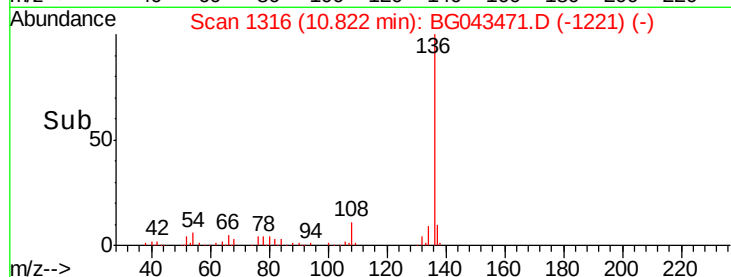
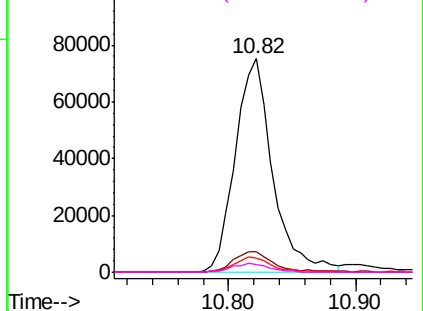
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.03 min
Lab File: BG043471.D
Acq: 1 Nov 2019 18:36

Instrument :
BNA_G
ClientSampleId :
20190939-COMPOSITE-B

Tot Ion:136	Resp:	153862
Ion Ratio	Lower	Upper
136	100	
137	9.6	8.8 13.2
54	6.3	6.2 9.2
68	3.4	3.4 5.0

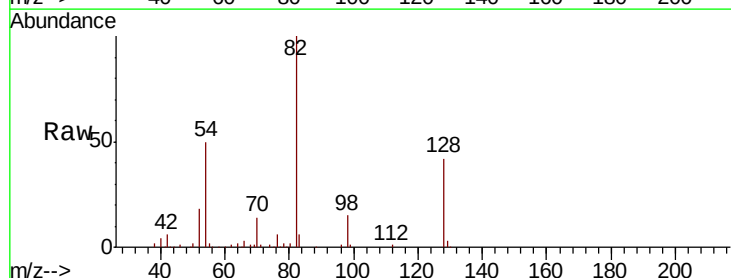


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

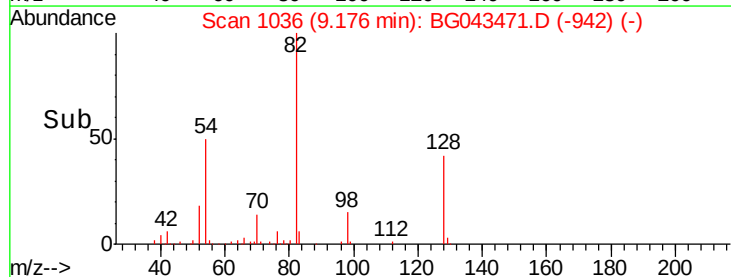
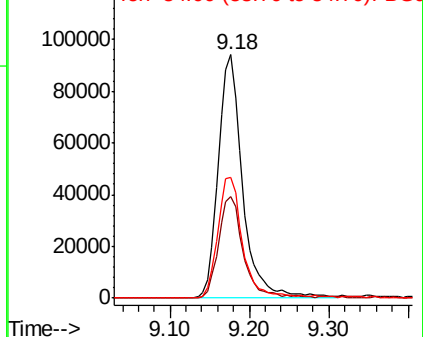


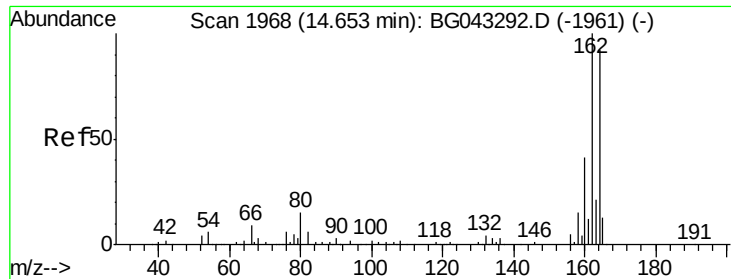
#23
Nitrobenzene-d5
Concen: 67.247 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BG043471.D
Acq: 1 Nov 2019 18:36

Tgt Ion: 82	Resp:	200694
Ion Ratio	Lower	Upper
82	100	
128	41.9	34.2 51.4
54	49.6	44.7 67.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.02 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

Instrument :

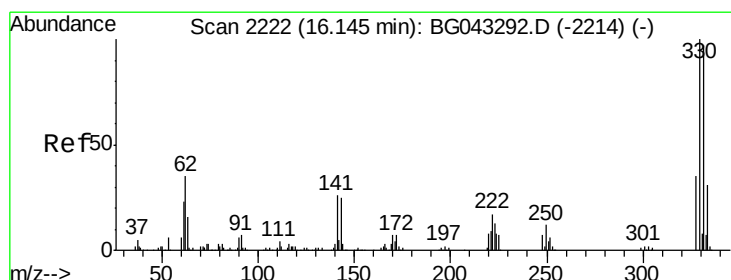
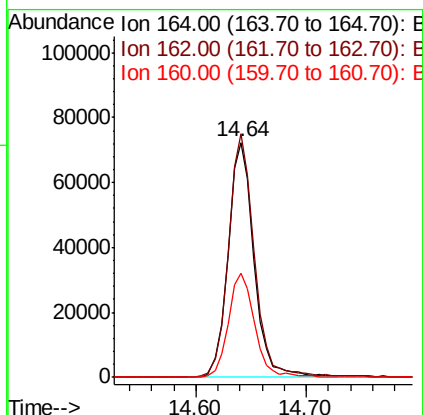
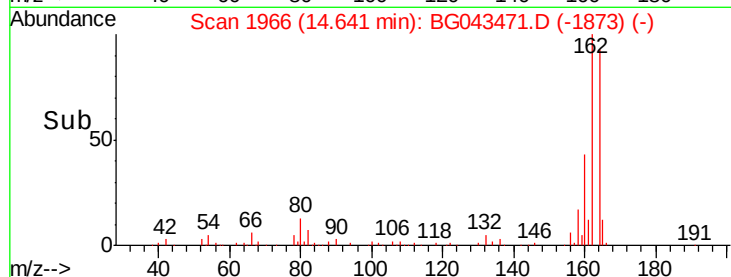
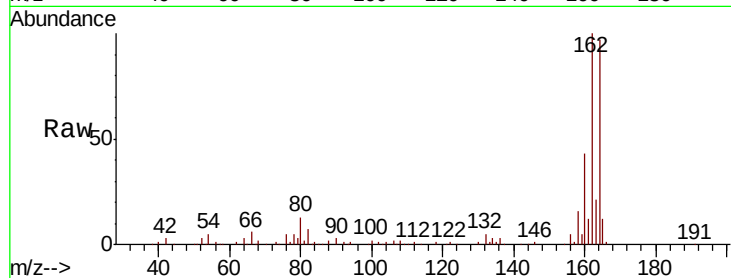
BNA_G

ClientSampleId :

20190939-COMPOSITE-B

Tot Ion:164 Resp: 118857

Ion	Ratio	Lower	Upper
164	100		
162	103.5	79.4	119.2
160	44.5	36.3	54.5



#42

2,4,6-Tribromophenol

Concen: 89.244 ng

RT: 16.13 min Scan# 2220

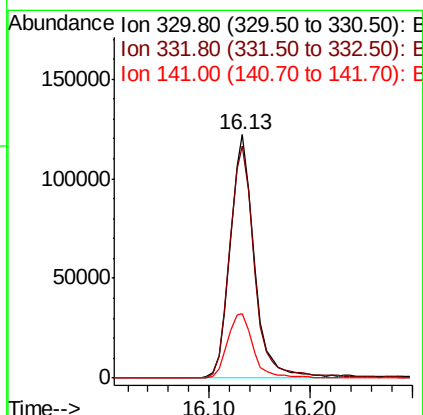
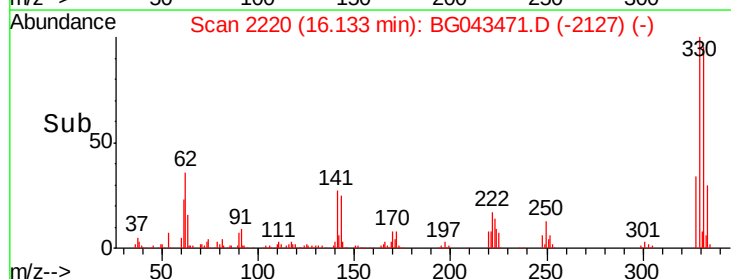
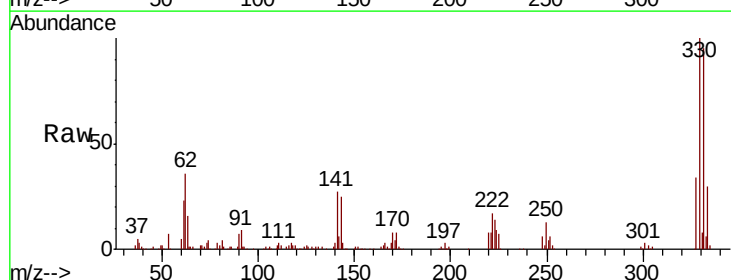
Delta R.T. 0.02 min

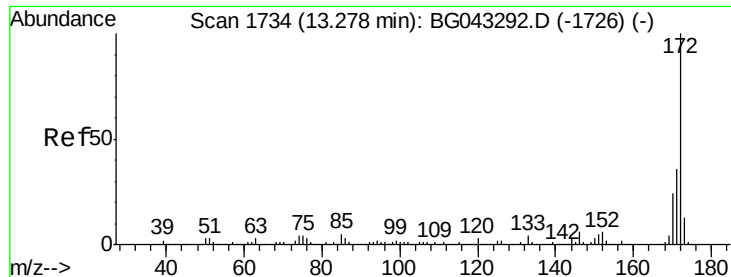
Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

Tgt Ion:330 Resp: 201857

Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.6	115.0
141	28.1	23.4	35.2

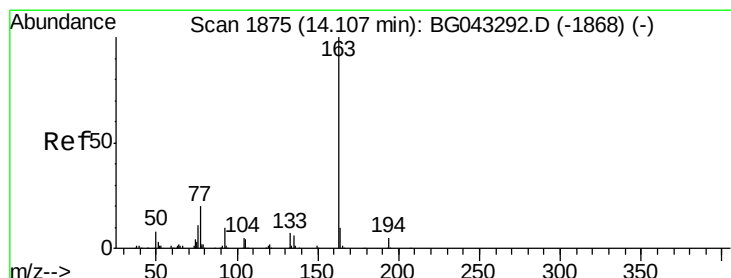
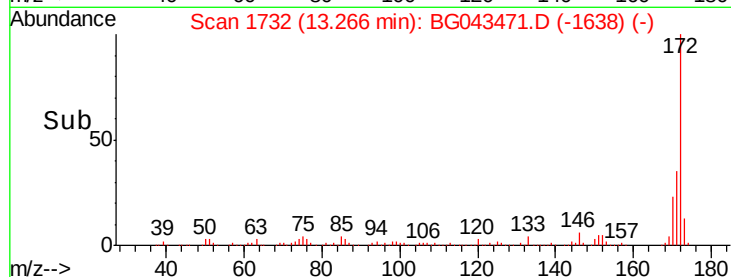
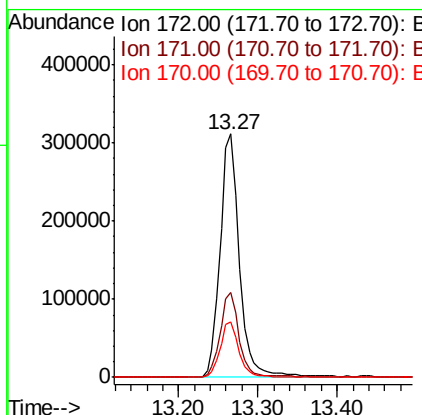
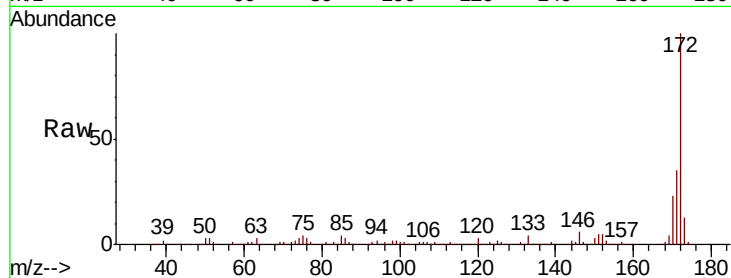




#45
2-Fluorobiphenyl
Concen: 61.378 ng
RT: 13.27 min Scan# 1732
Delta R.T. 0.02 min
Lab File: BG043471.D
Acq: 1 Nov 2019 18:36

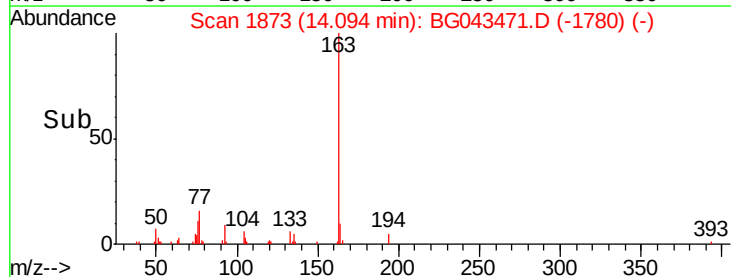
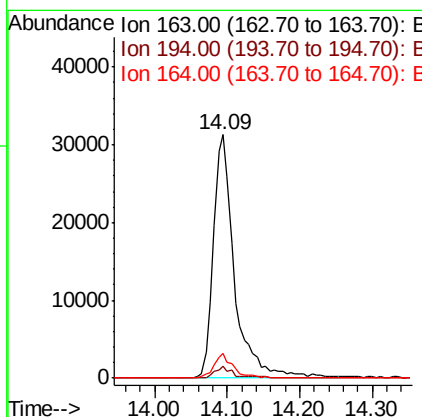
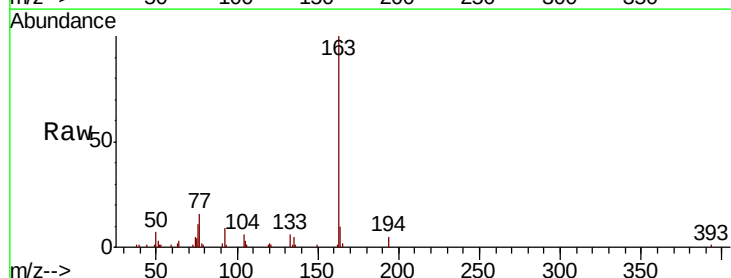
Instrument :
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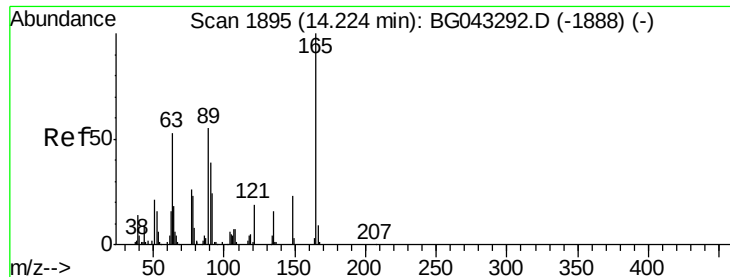
Tot Ion:172 Resp: 527949
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 22.8 18.8 28.2



#50
Dimethylphthalate
Concen: 6.909 ng
RT: 14.09 min Scan# 1873
Delta R.T. 0.02 min
Lab File: BG043471.D
Acq: 1 Nov 2019 18:36

Tgt Ion:163 Resp: 63606
Ion Ratio Lower Upper
163 100
194 5.0 3.8 5.8
164 10.3 8.5 12.7

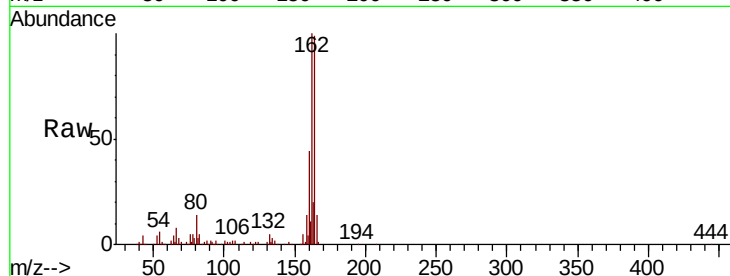




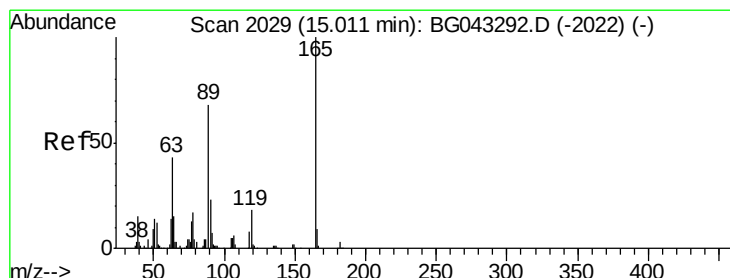
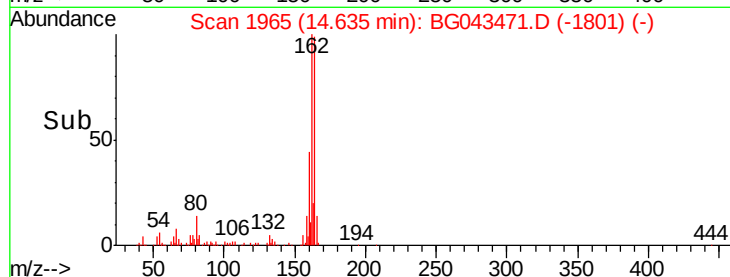
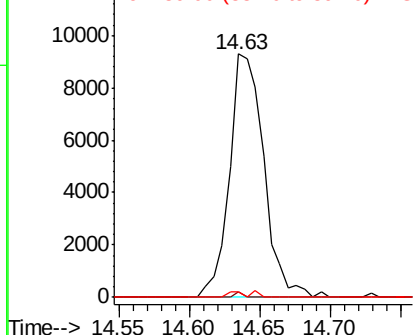
#51
 2,6-Dinitrotoluene
 Concen: 7.887 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.43 min
 Lab File: BG043471.D
 Acq: 1 Nov 2019 18:36

Instrument :
 BNA_G
 ClientSampleId :
 20190939-COMPOSITE-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	45.0	67.6#
89	2.5	39.8	59.8#



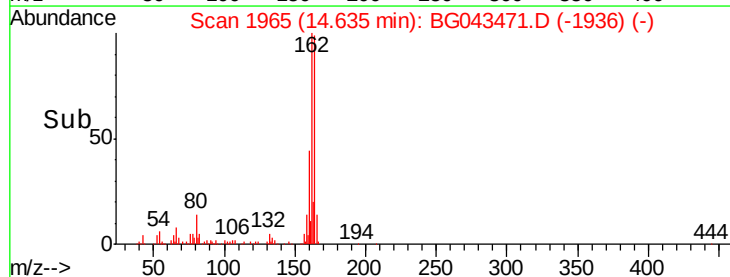
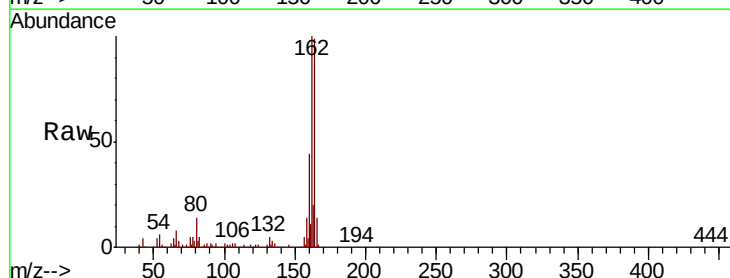
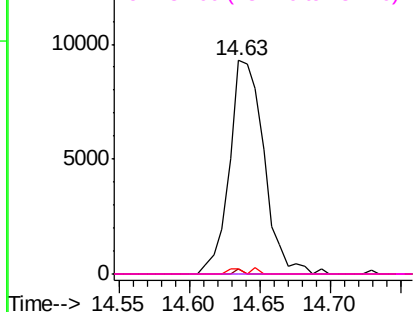
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

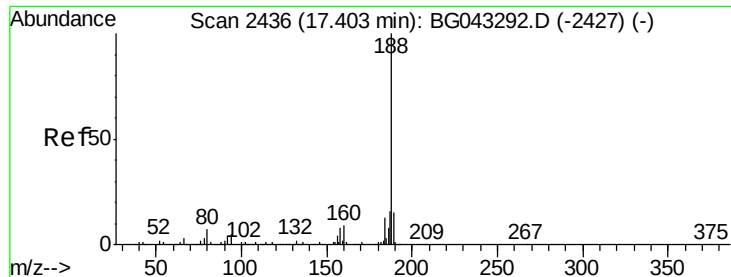


#57
 2,4-Dinitrotoluene
 Concen: 5.519 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.36 min
 Lab File: BG043471.D
 Acq: 1 Nov 2019 18:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	37.4	56.0#
89	2.5	50.9	76.3#
182	0.0	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. 0.02 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

Instrument :

BNA_G

ClientSampleId :

20190939-COMPOSITE-B

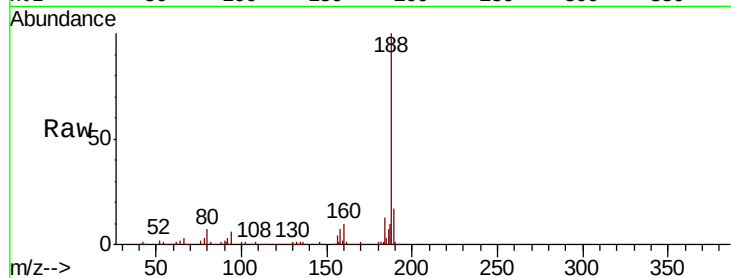
Tot Ion:188 Resp: 282139

Ion Ratio Lower Upper

188 100

94 5.6 4.6 7.0

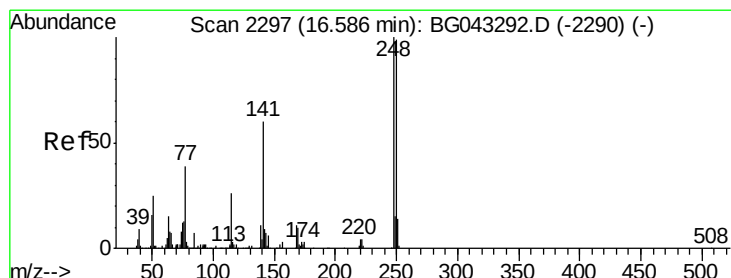
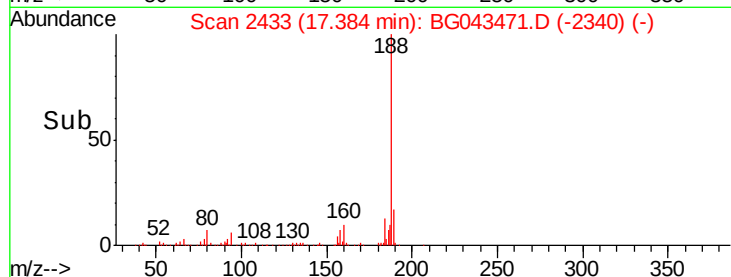
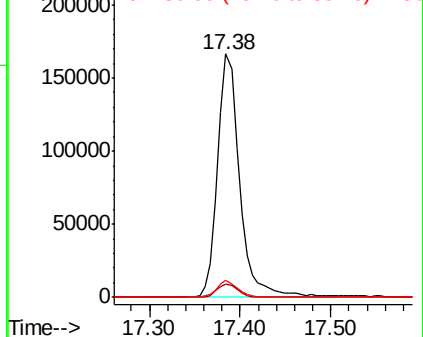
80 6.9 5.2 7.8



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: 3.483 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.43 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

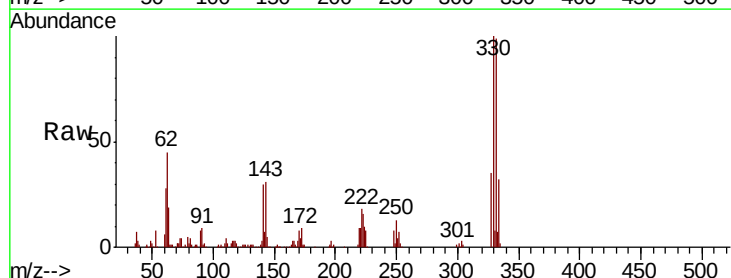
Tgt Ion:248 Resp: 13225

Ion Ratio Lower Upper

248 100

250 173.2 76.3 114.5#

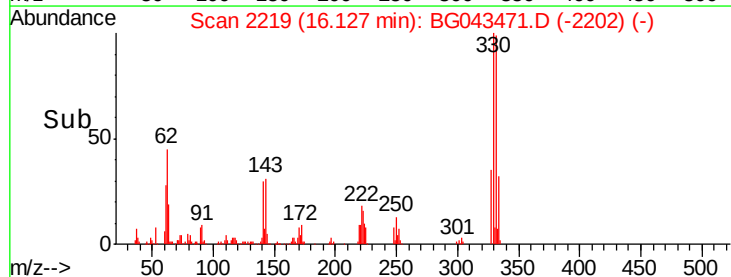
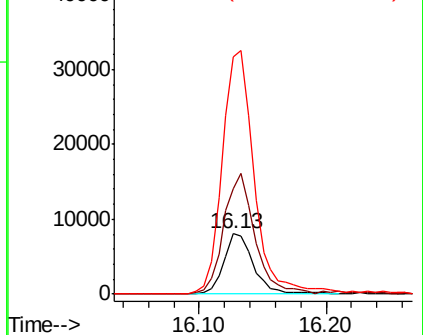
141 392.2 49.5 74.3#

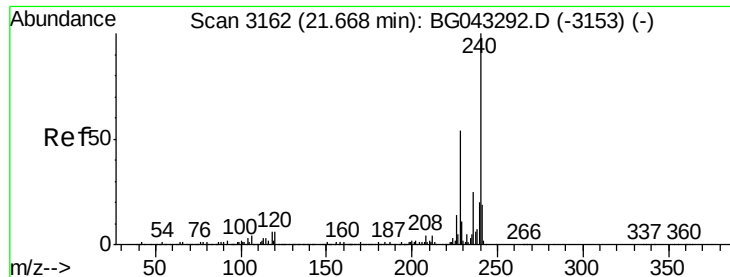


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.65 min Scan# 3159

Delta R.T. 0.02 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

Instrument :

BNA_G

ClientSampleId :

20190939-COMPOSITE-B

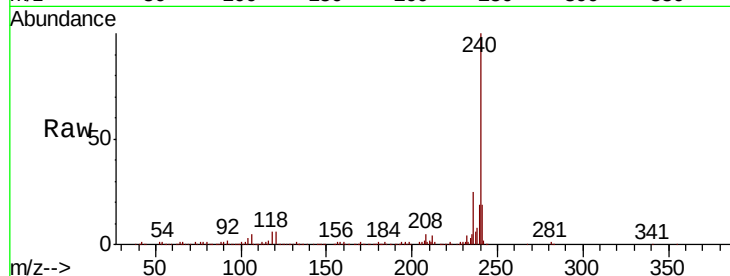
Tot Ion:240 Resp: 305594

Ion Ratio Lower Upper

240 100

120 6.2 4.9 7.3

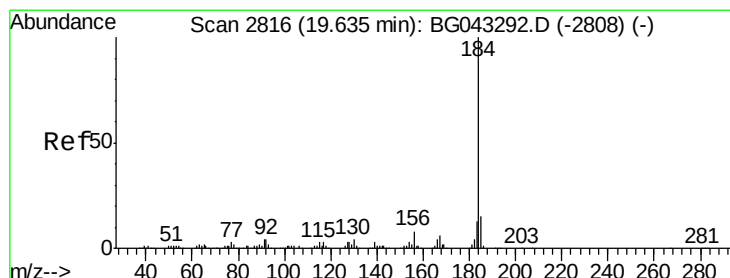
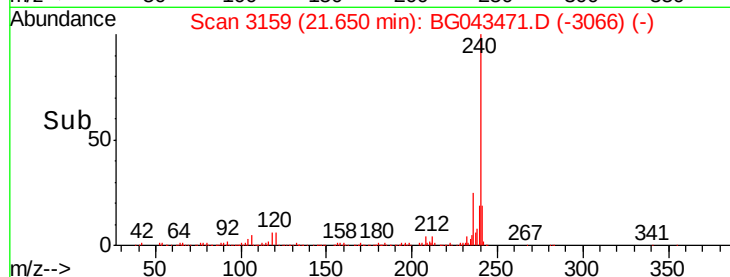
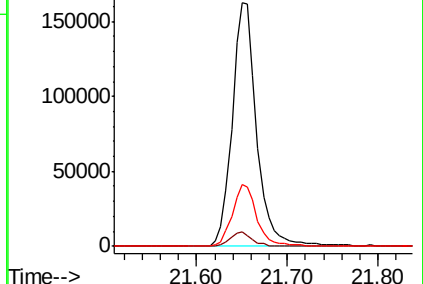
236 25.5 21.4 32.0



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: 2.317 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

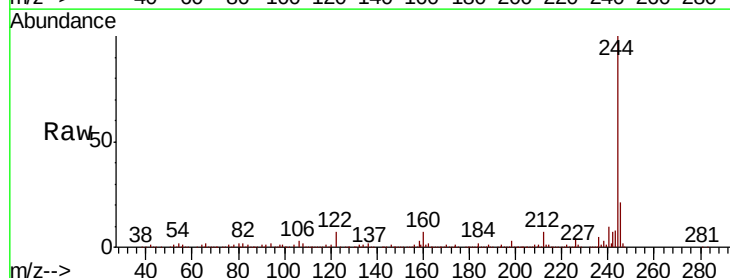
Tgt Ion:184 Resp: 14252

Ion Ratio Lower Upper

184 100

185 15.4 12.7 19.1

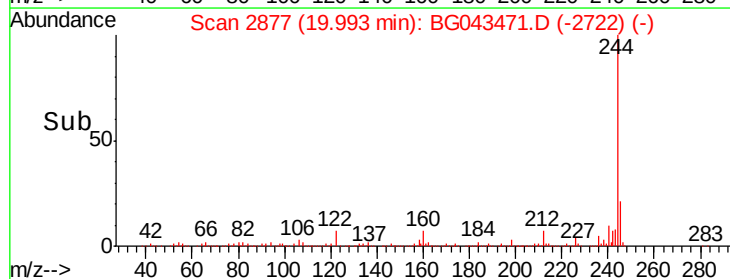
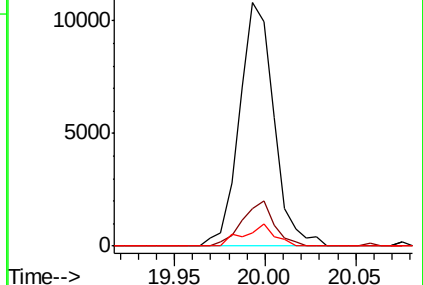
183 5.7 8.8 13.2#

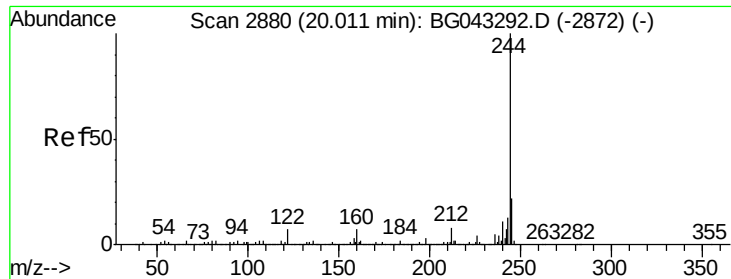


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 63.263 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.02 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

Instrument :

BNA_G

ClientSampleId :

20190939-COMPOSITE-B

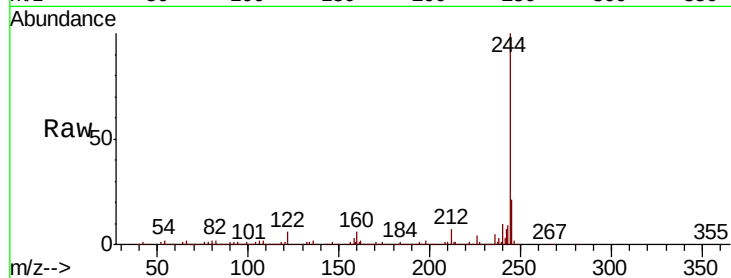
Tot Ion:244 Resp: 1030502

Ion Ratio Lower Upper

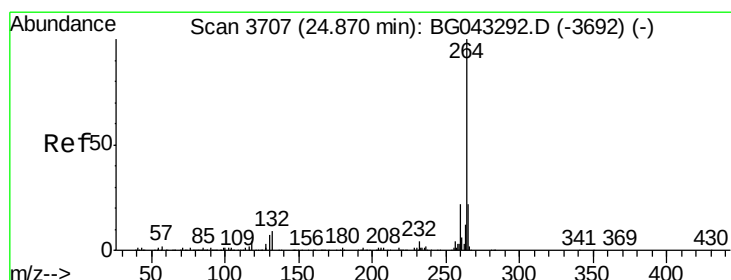
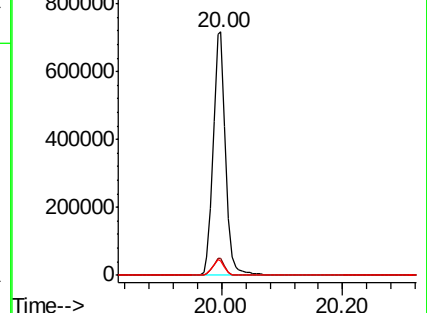
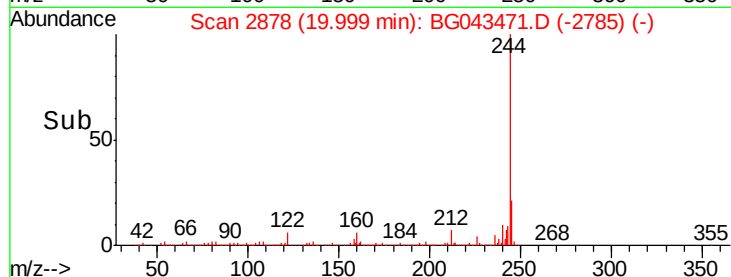
244 100

212 7.0 5.6 8.4

122 6.1 5.2 7.8



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

Perylene-d12

Concen: 20.000 ng

RT: 24.84 min Scan# 3702

Delta R.T. 0.03 min

Lab File: BG043471.D

Acq: 1 Nov 2019 18:36

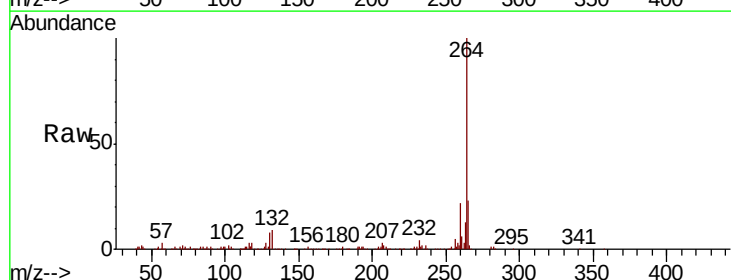
Tgt Ion:264 Resp: 356415

Ion Ratio Lower Upper

264 100

260 22.4 18.4 27.6

265 23.1 15.8 23.8



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

