

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100819\
 Data File : BG043094.D
 Acq On : 8 Oct 2019 20:34
 Operator : JU
 Sample : PB123740BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 09 01:11:00 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

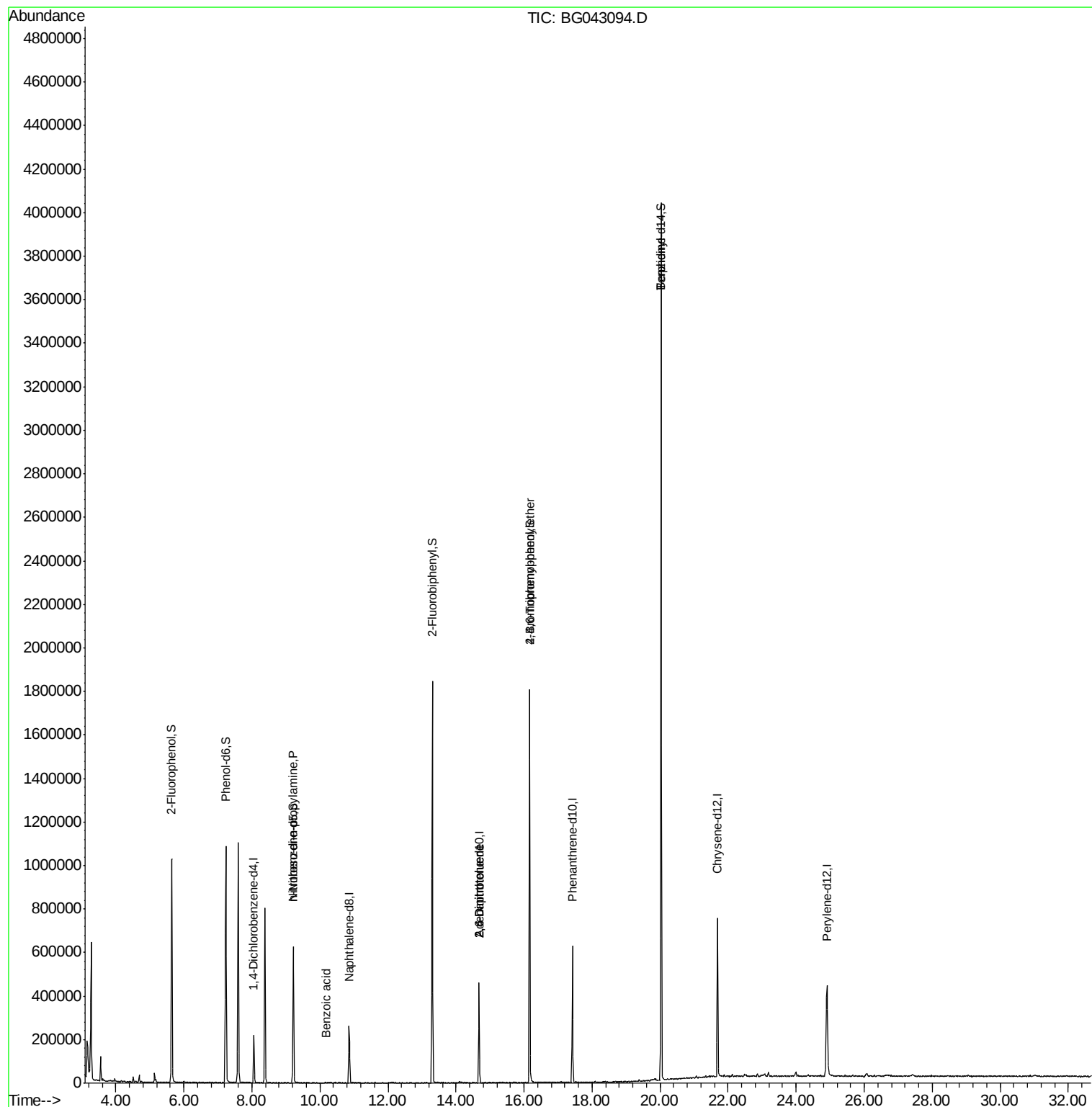
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	64400	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	228515	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	163365	20.00	ng	-0.02
64) Phenanthrene-d10	17.42	188	405697	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	438680	20.00	ng	-0.03
87) Perylene-d12	24.91	264	484092	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	454165	125.86	ng	-0.02
7) Phenol-d6	7.23	99	632017	121.62	ng	-0.01
23) Nitrobenzene-d5	9.22	82	395343	84.09	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	383182	136.40	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	990303	87.88	ng	-0.02
79) Terphenyl-d14	20.03	244	1942614	94.36	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	57270	16.784	ng	# 70
32) Benzoic acid	10.18	122	159	2.875	ng	# 75
51) 2,6-Dinitrotoluene	14.68	165	21887	8.397	ng	# 23
57) 2,4-Dinitrotoluene	14.68	165	21887	5.734	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	25883	5.083	ng	# 1
77) Benzidine	20.03	184	31677	2.884	ng	# 93

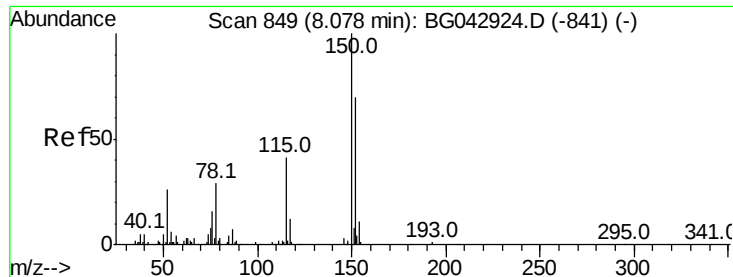
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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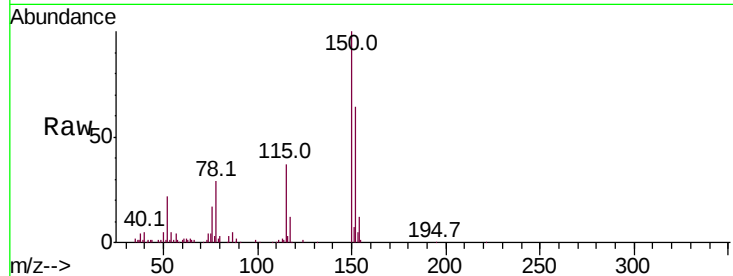


#1

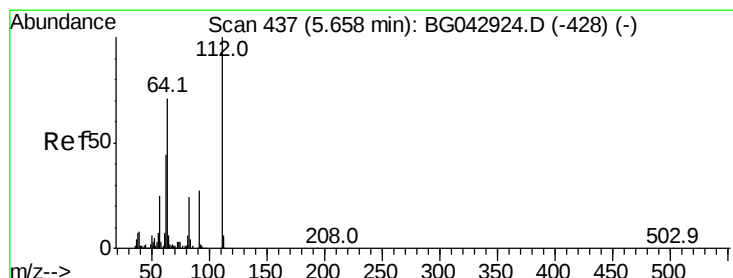
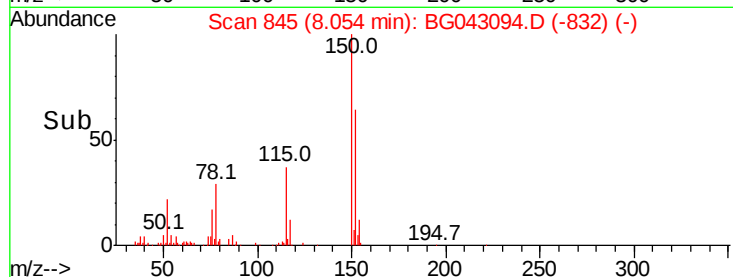
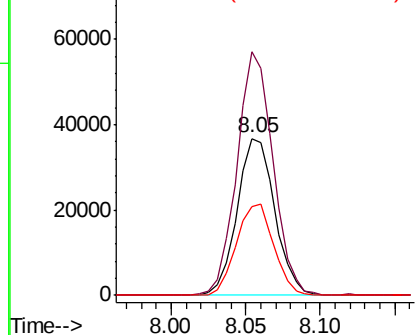
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.02 min
Lab File: BG043094.D
Acq: 8 Oct 2019 20:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	115.0	172.4
115	56.8	47.0	70.6



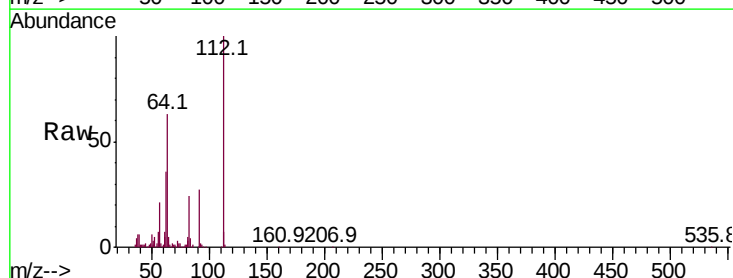
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



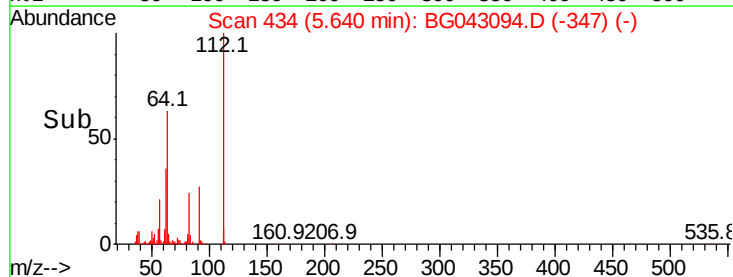
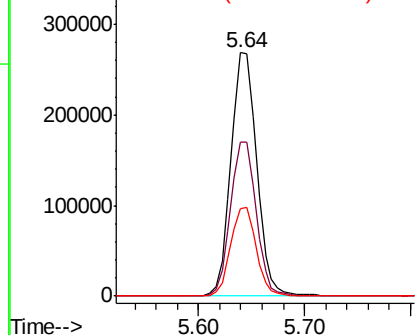
#5

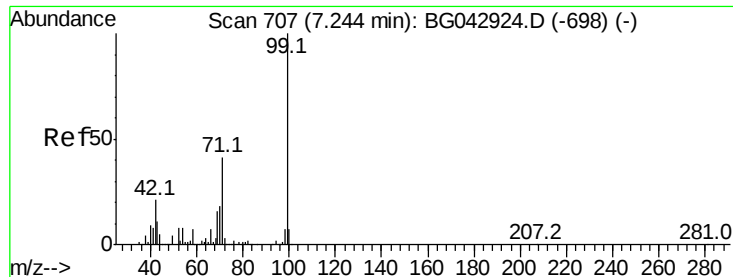
2-Fluorophenol
Concen: 125.856 ng
RT: 5.64 min Scan# 434
Delta R.T. -0.02 min
Lab File: BG043094.D
Acq: 8 Oct 2019 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	56.6	84.8
63	36.0	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: 121.621 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

Instrument :

BNA_G

ClientSampled :

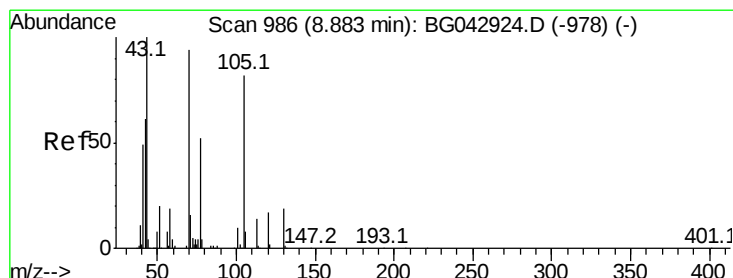
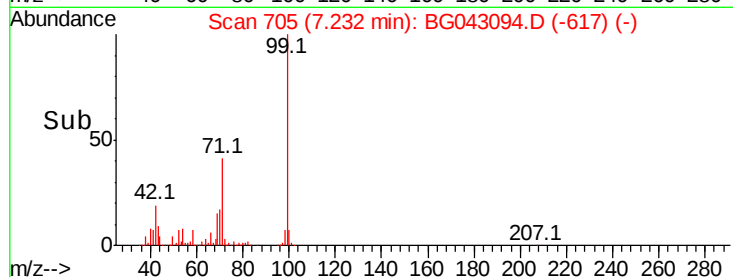
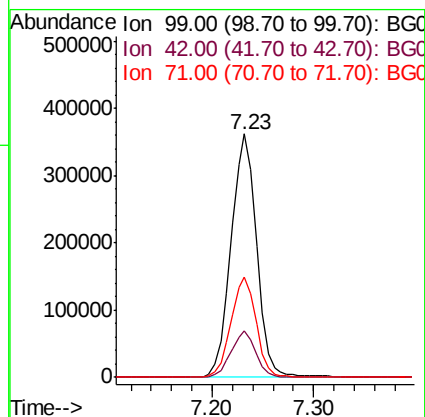
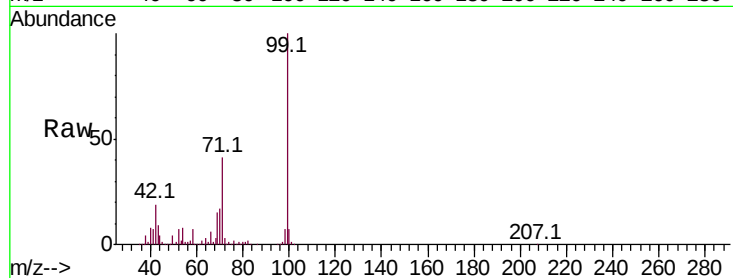
Tot Ion: 99 Resp: 632017

Ion Ratio Lower Upper

99 100

42 18.9 17.2 25.8

71 41.3 33.1 49.7



#19

n-Nitroso-di-n-propylamine

Concen: 16.784 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.33 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

Tgt Ion: 70 Resp: 57270

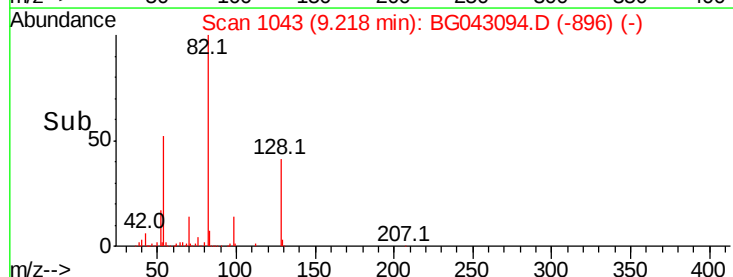
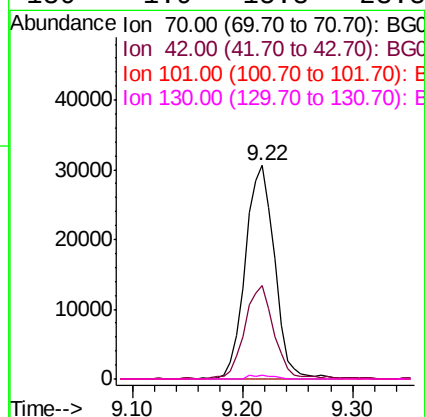
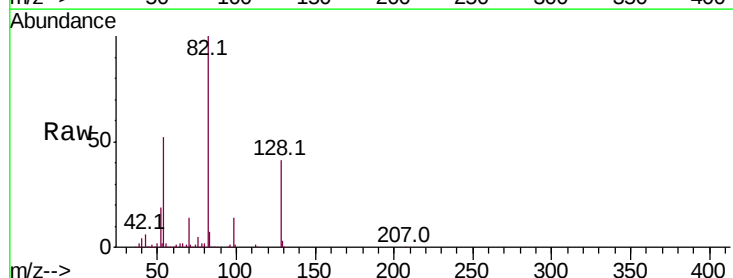
Ion Ratio Lower Upper

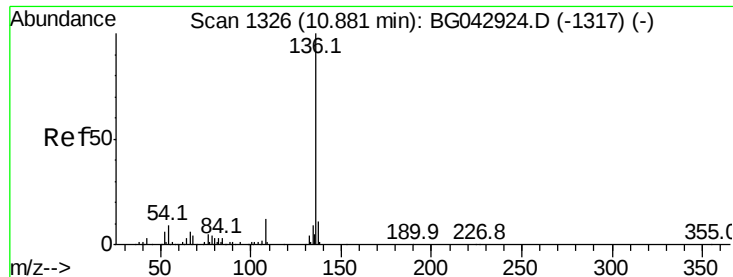
70 100

42 43.5 52.6 79.0#

101 0.0 8.7 13.1#

130 1.9 15.8 23.8#

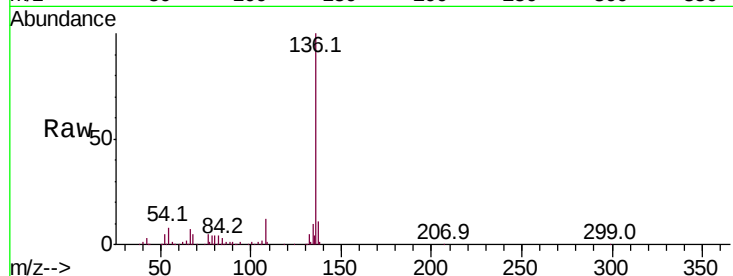




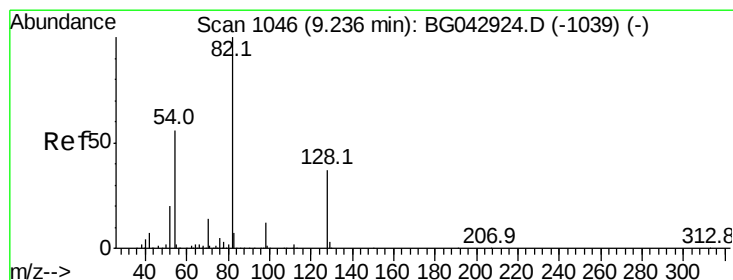
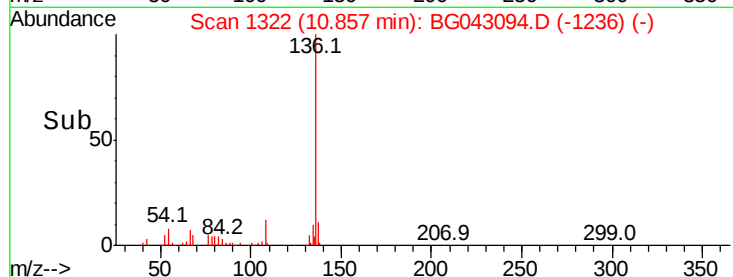
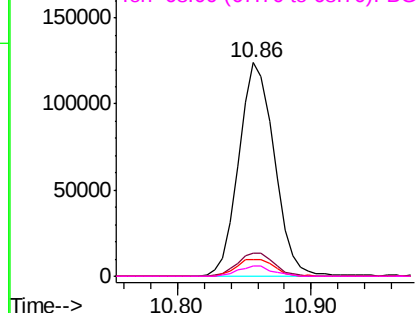
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BG043094.D
Acq: 8 Oct 2019 20:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	228515
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.5 12.7
54	8.0	7.4 11.2
68	4.7	3.6 5.4

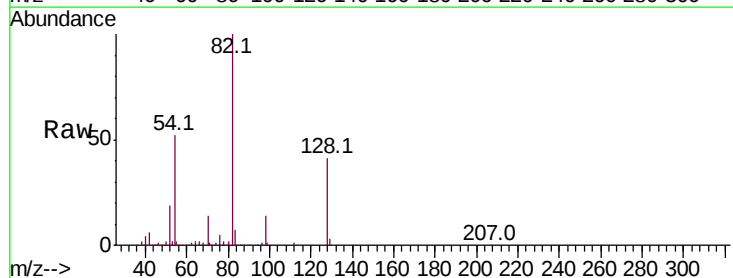


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

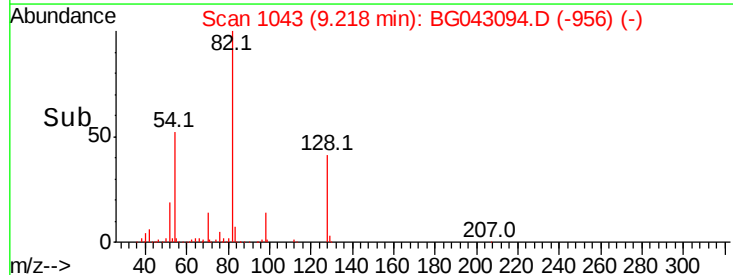
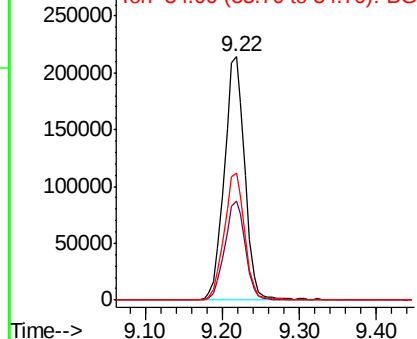


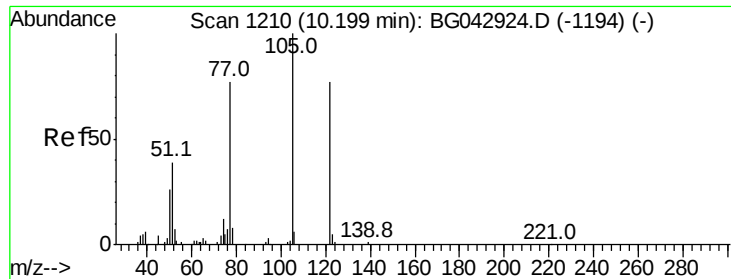
#23
Nitrobenzene-d5
Concen: 84.089 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG043094.D
Acq: 8 Oct 2019 20:34

Tgt Ion: 82	Resp:	395343
Ion	Ratio	Lower Upper
82	100	
128	40.7	29.5 44.3
54	52.4	44.6 67.0



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

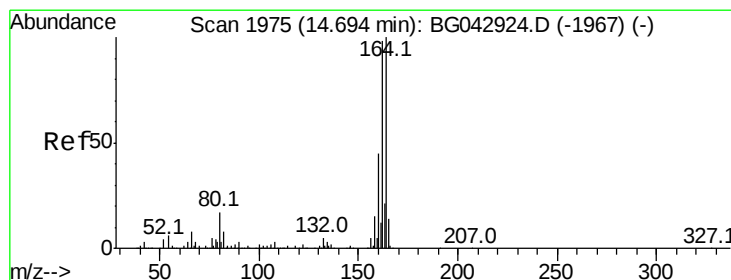
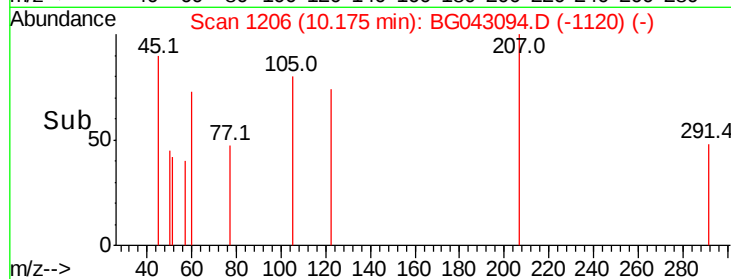
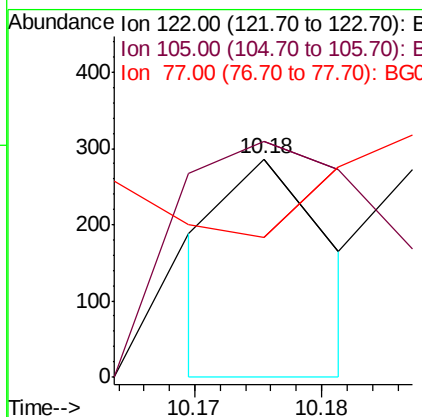
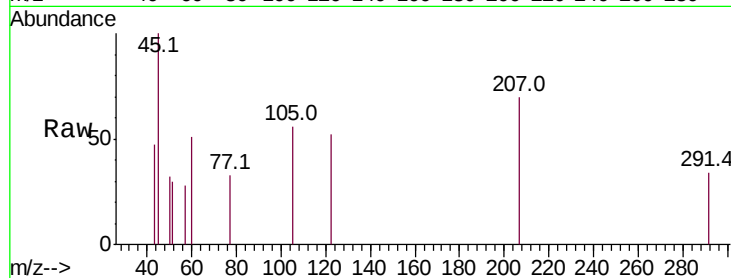




#32
Benzoic acid
Concen: 2.875 ng
RT: 10.18 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BG043094.D
Acq: 8 Oct 2019 20:34

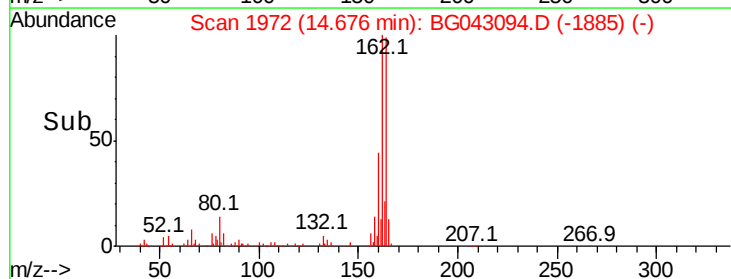
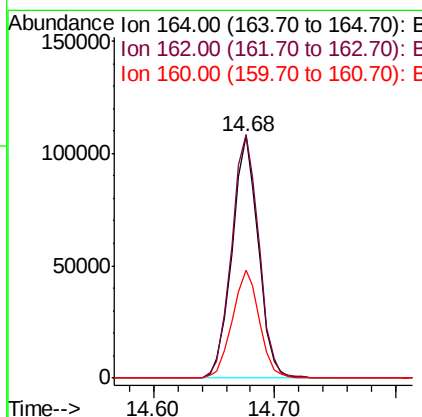
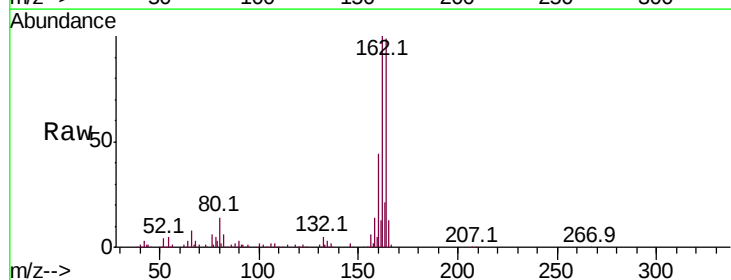
Instrument :
BNA_G
ClientSampleId :

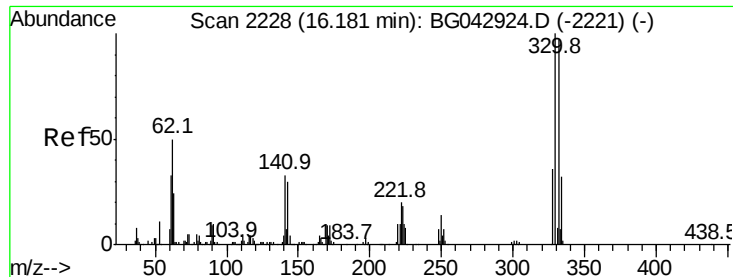
Tot Ion:122 Resp: 159
Ion Ratio Lower Upper
122 100
105 108.4 107.5 147.5
77 64.0 79.8 119.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.02 min
Lab File: BG043094.D
Acq: 8 Oct 2019 20:34

Tgt Ion:164 Resp: 163365
Ion Ratio Lower Upper
164 100
162 100.6 78.5 117.7
160 44.5 35.9 53.9

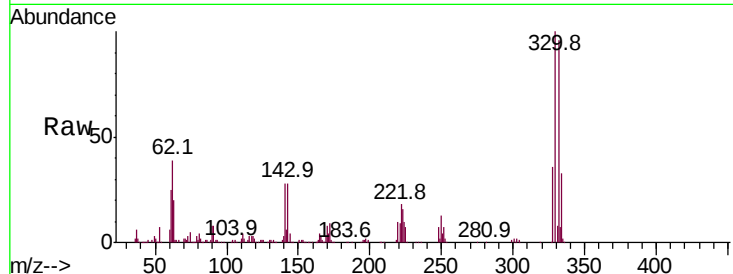




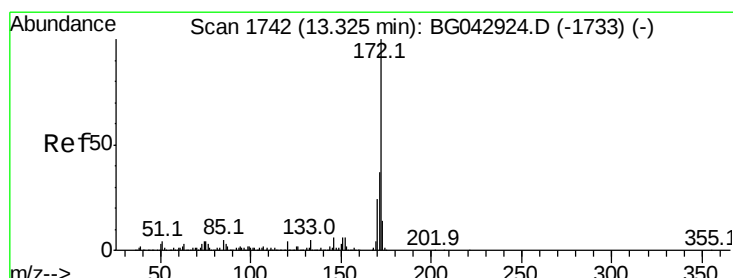
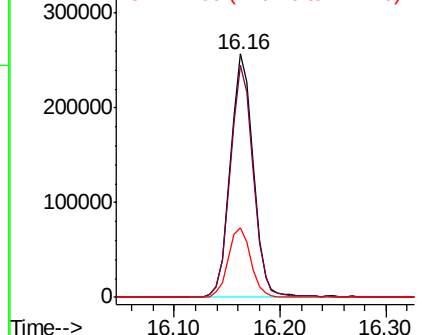
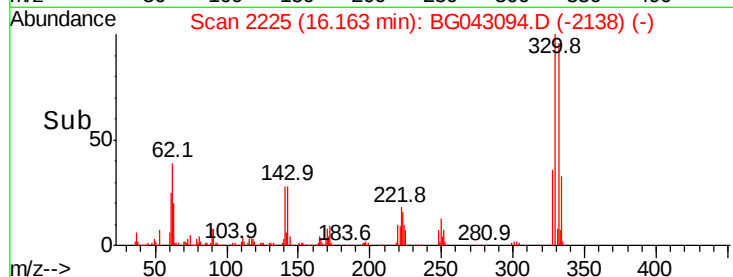
#42
 2,4,6-Tribromophenol
 Concen: 136.404 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.02 min
 Lab File: BG043094.D
 Acq: 8 Oct 2019 20:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.2	117.2
141	28.3	26.0	39.0

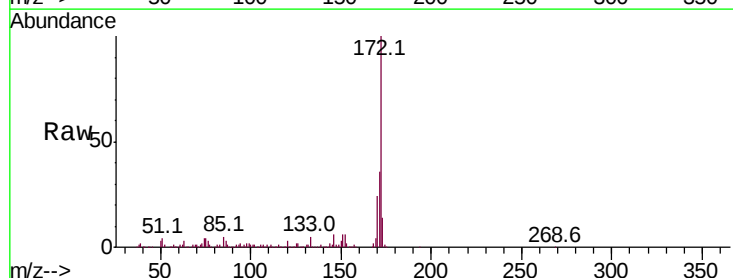


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

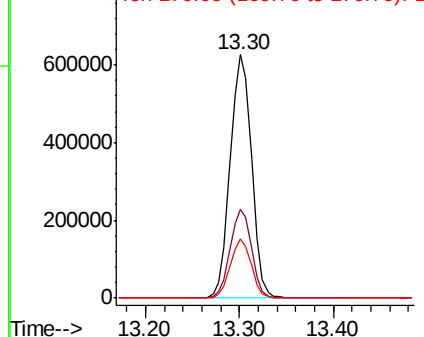
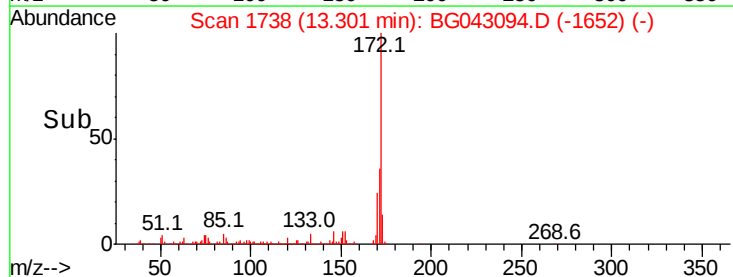


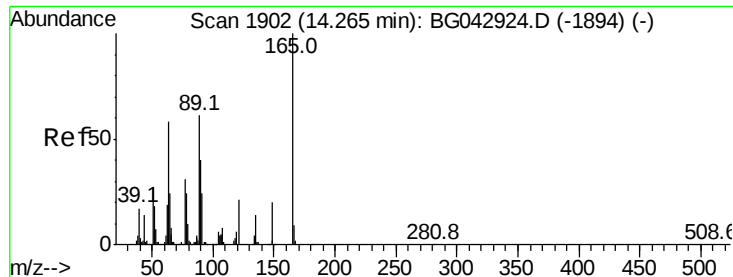
#45
 2-Fluorobiphenyl
 Concen: 87.879 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG043094.D
 Acq: 8 Oct 2019 20:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.1	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





#51

2,6-Dinitrotoluene

Concen: 8.397 ng

RT: 14.68 min Scan# 1972

Delta R.T. 0.41 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

Instrument :

BNA_G

ClientSampleId :

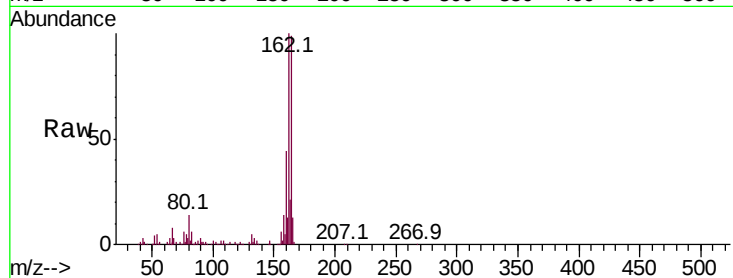
Tot Ion:165 Resp: 21887

Ion Ratio Lower Upper

165 100

63 2.8 50.3 75.5#

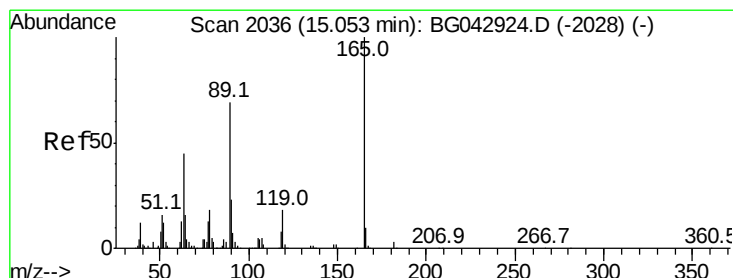
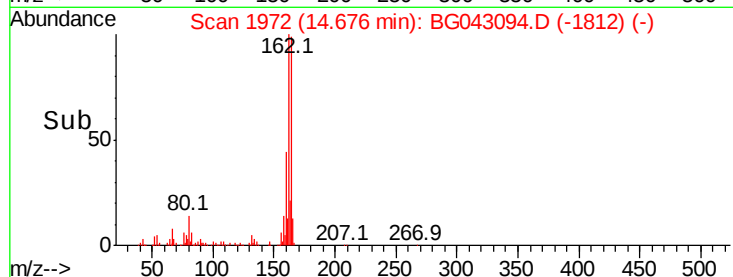
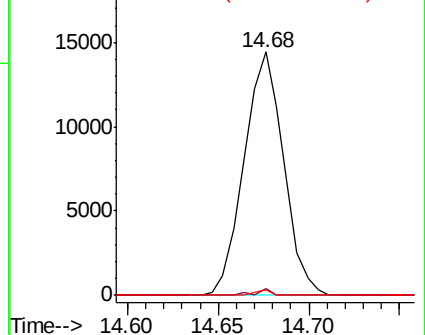
89 2.4 48.9 73.3#



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: 5.734 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.38 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

Tgt Ion:165 Resp: 21887

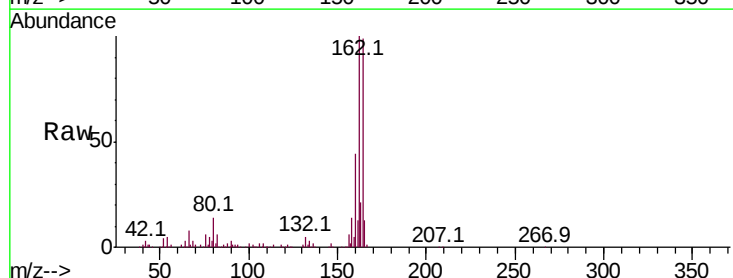
Ion Ratio Lower Upper

165 100

63 2.8 36.5 54.7#

89 2.4 55.5 83.3#

182 0.0 2.4 3.6#

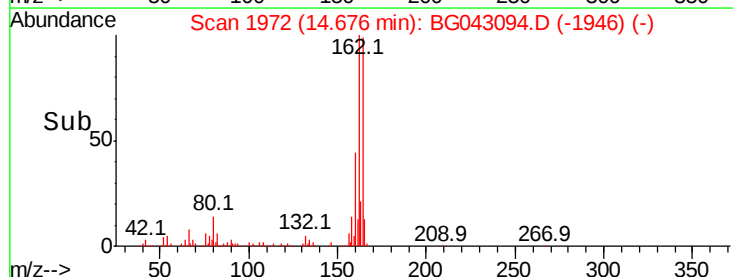
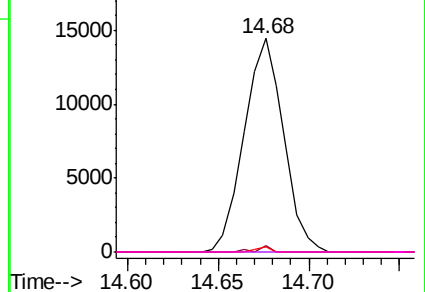


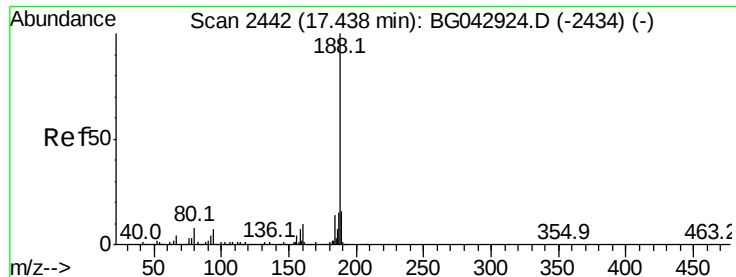
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.42 min Scan# 2439

Delta R.T. -0.02 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

Instrument :

BNA_G

ClientSampleId :

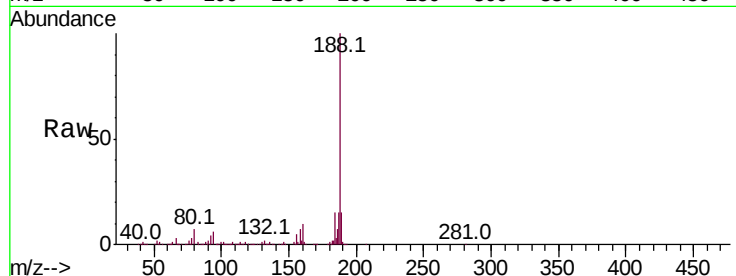
Tot Ion:188 Resp: 405697

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

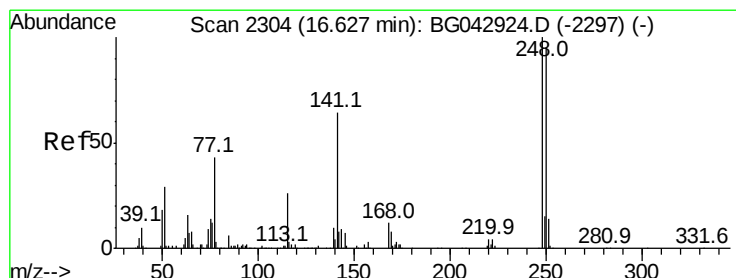
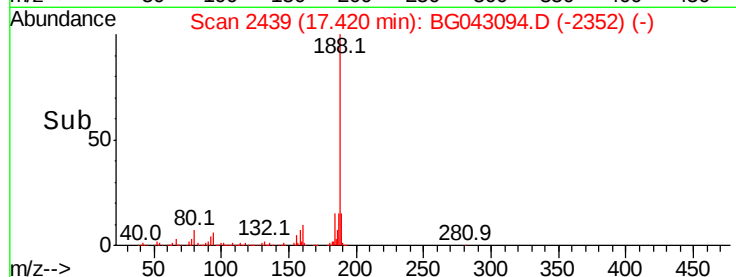
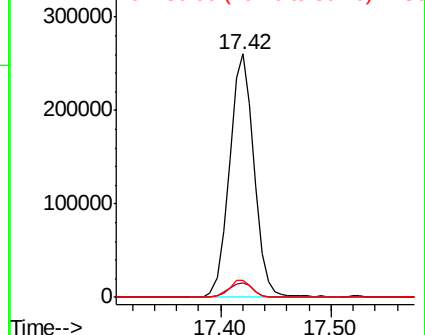
80 6.8 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 5.083 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.46 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

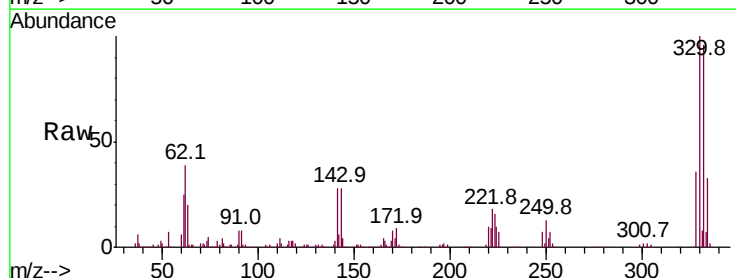
Tgt Ion:248 Resp: 25883

Ion Ratio Lower Upper

248 100

250 200.2 75.8 113.8#

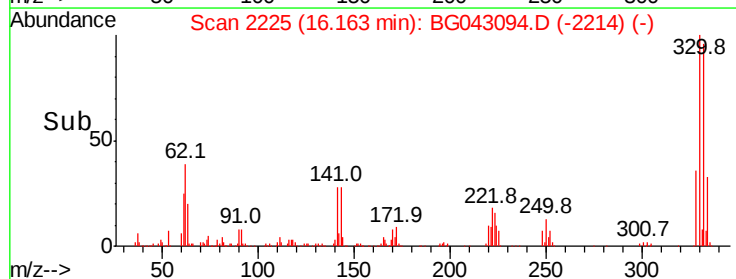
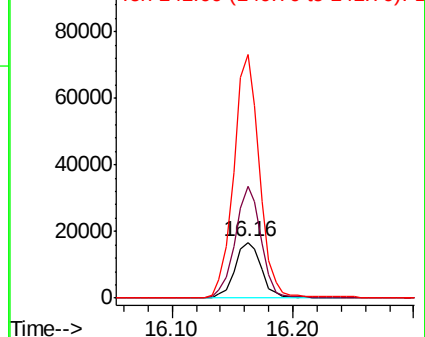
141 436.7 51.1 76.7#

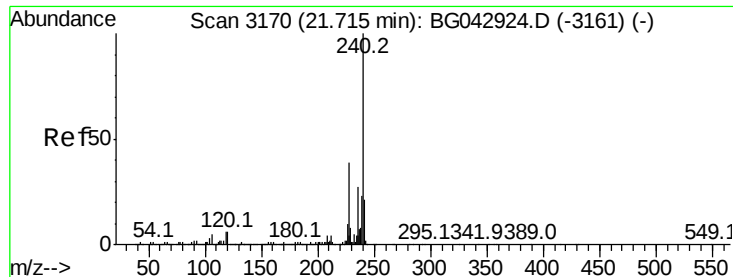


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3165

Delta R.T. -0.03 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

Instrument :

BNA_G

ClientSampleId :

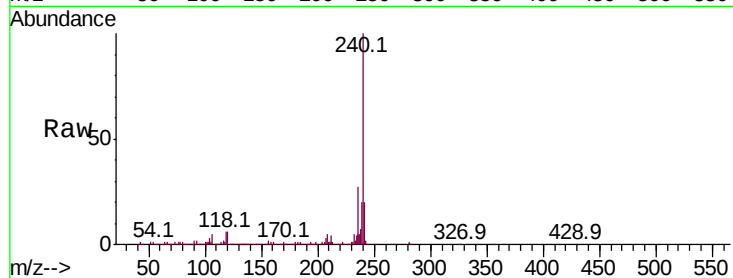
Tot Ion:240 Resp: 438680

Ion Ratio Lower Upper

240 100

120 6.3 4.8 7.2

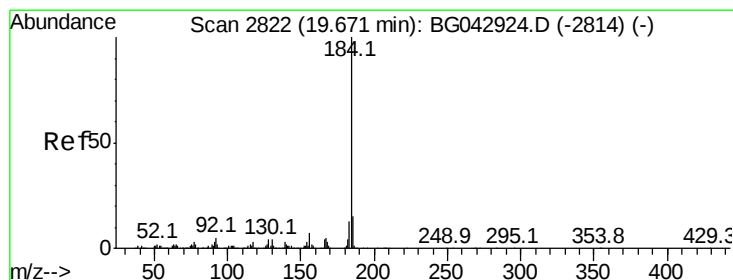
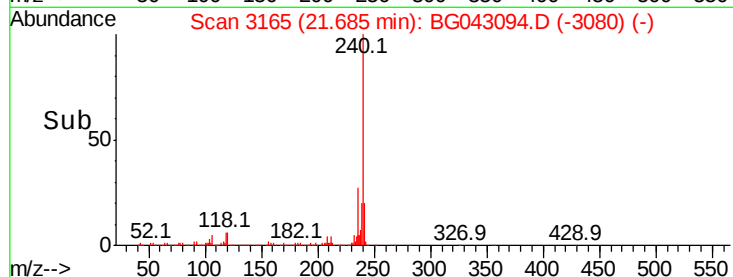
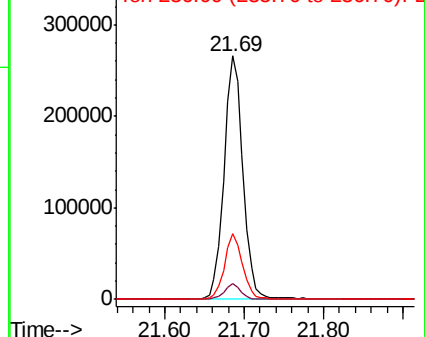
236 26.9 21.4 32.0



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: 2.884 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.36 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

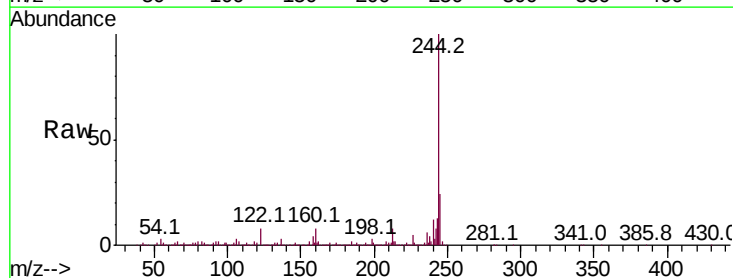
Tgt Ion:184 Resp: 31677

Ion Ratio Lower Upper

184 100

185 16.9 11.8 17.8

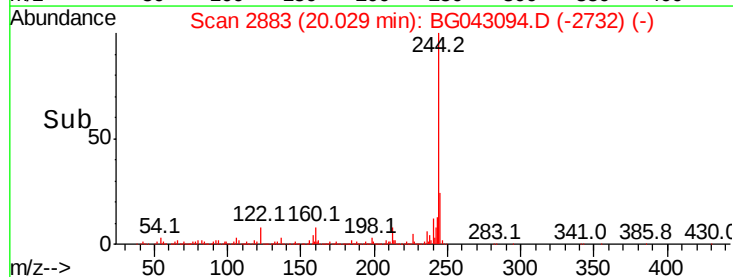
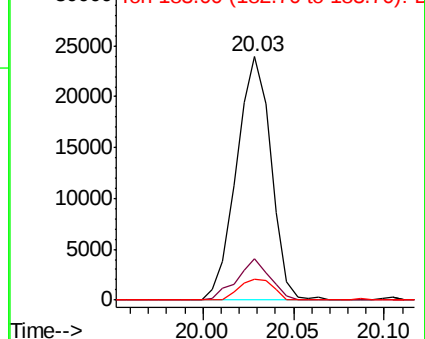
183 8.8 10.1 15.1#

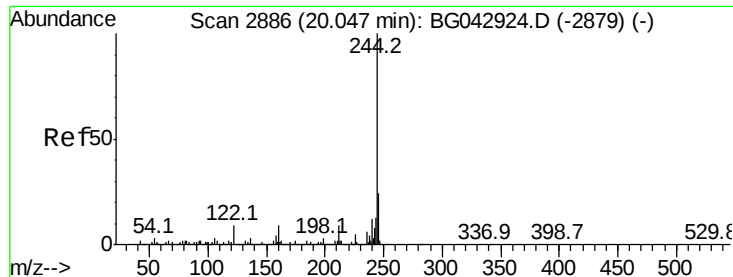


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 94.362 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

Instrument :

BNA_G

ClientSampleId :

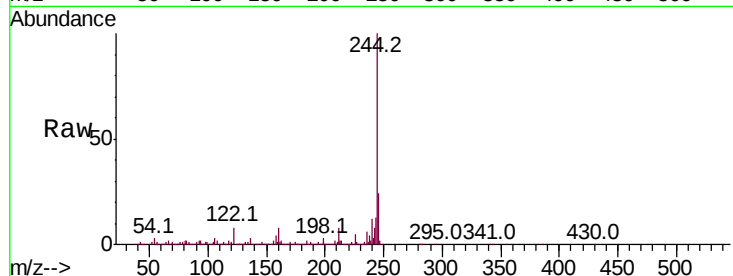
Tot Ion:244 Resp: 1942614

Ion Ratio Lower Upper

244 100

212 8.2 7.4 11.0

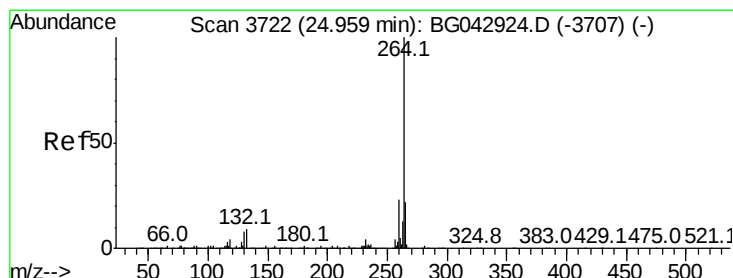
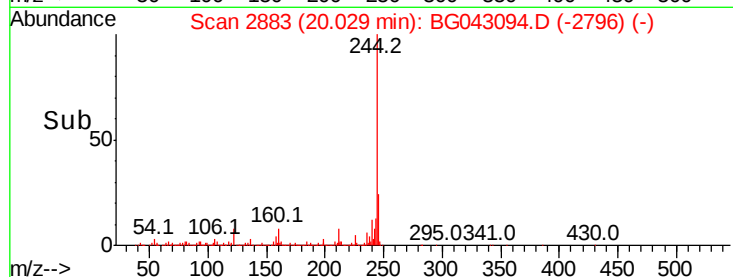
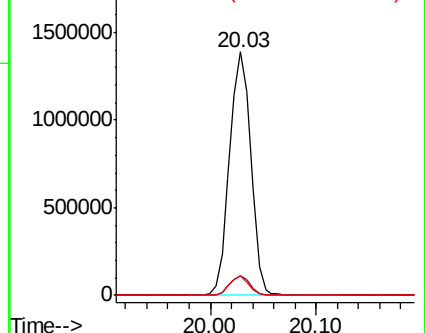
122 8.0 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3713

Delta R.T. -0.05 min

Lab File: BG043094.D

Acq: 8 Oct 2019 20:34

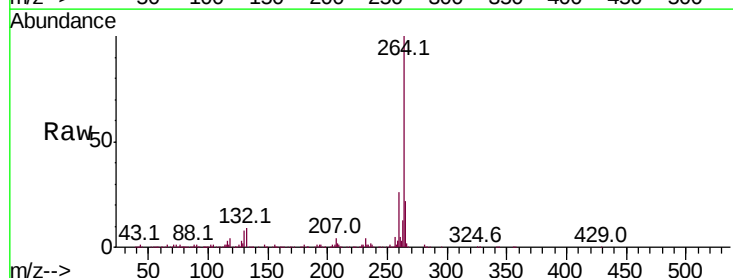
Tgt Ion:264 Resp: 484092

Ion Ratio Lower Upper

264 100

260 25.6 18.7 28.1

265 22.2 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

