

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
 Data File : BG043825.D
 Acq On : 17 Dec 2019 18:41
 Operator : JU
 Sample : PB125517TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 01:04:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

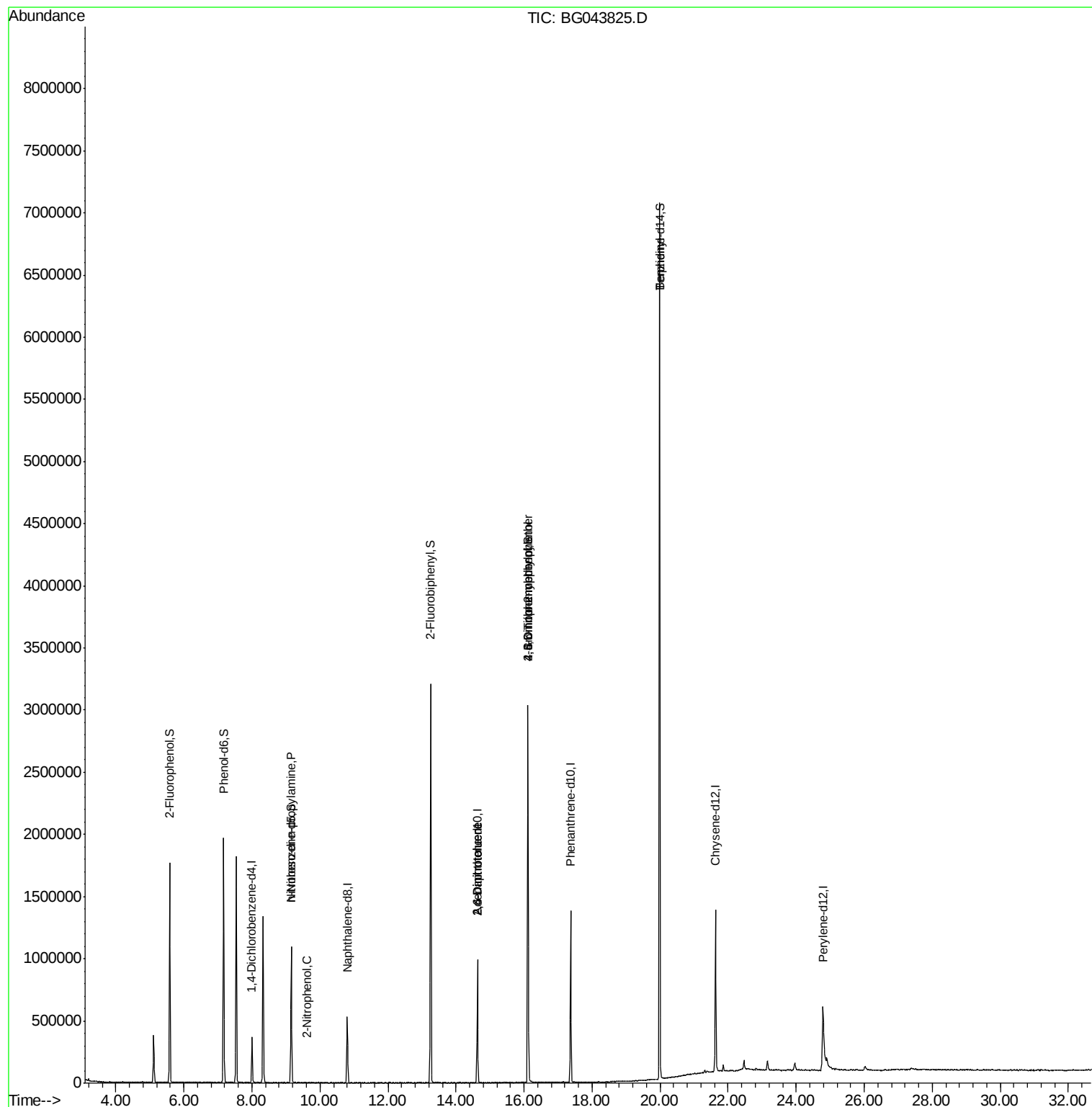
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	107807	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	472125	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	360514	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	889554	20.00	ng	0.00
76) Chrysene-d12	21.63	240	780519	20.00	ng	0.00
87) Perylene-d12	24.79	264	768445	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	798515	140.34	ng	0.00
7) Phenol-d6	7.17	99	1171835	142.81	ng	0.00
23) Nitrobenzene-d5	9.15	82	673684	80.12	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	549142	159.78	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1658447	80.81	ng	0.00
79) Terphenyl-d14	19.99	244	2965968	91.42	ng	0.00
Target Compounds						
9) Benzaldehyde	7.17	77	2462	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	9.15	70	86187	13.738	ng	# 80
26) 2-Nitrophenol	9.61	139	63	8.363	ng	# 34
51) 2,6-Dinitrotoluene	14.63	165	47940	8.645	ng	# 28
57) 2,4-Dinitrotoluene	14.63	165	47940	6.398	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.11	198	2169	10.008	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	43419	4.565	ng	# 1
77) Benzidine	19.99	184	64693	3.799	ng	# 94

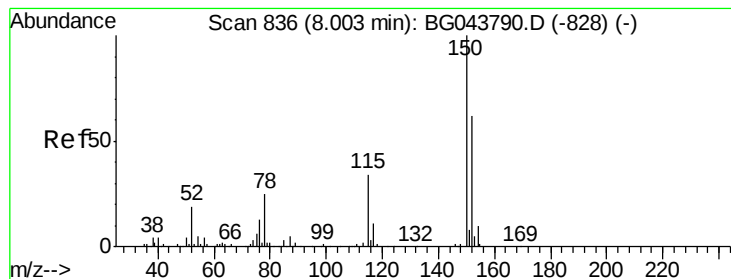
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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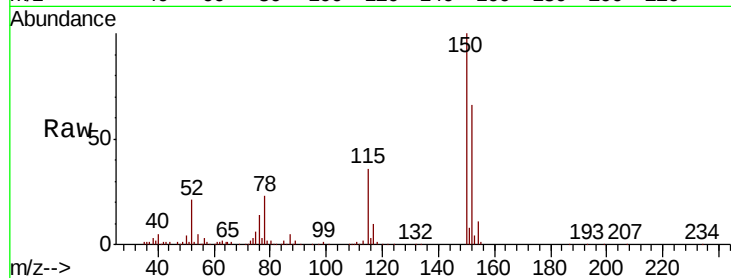


#1

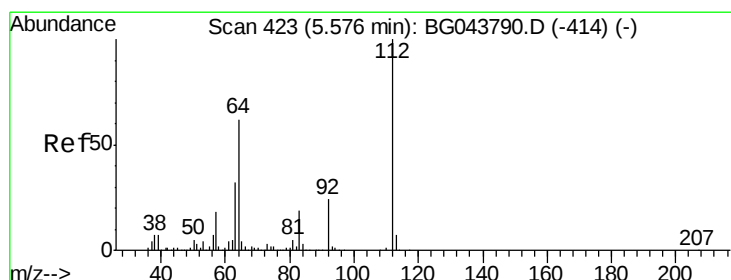
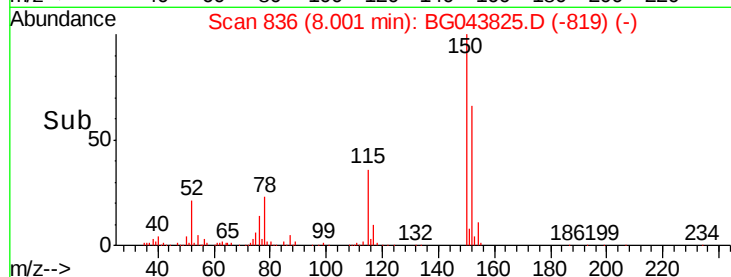
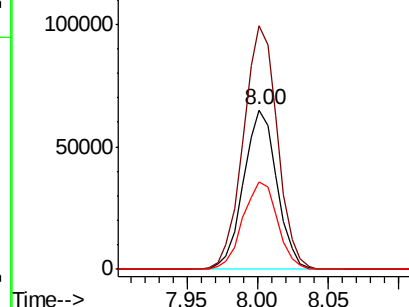
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	107807
Ion	Ratio	Lower	Upper
152	100		
150	152.4	128.6	192.8
115	54.8	44.3	66.5



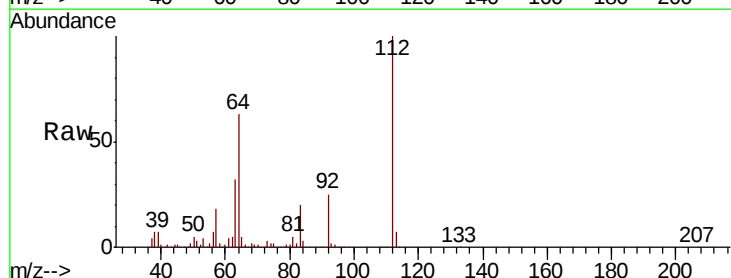
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



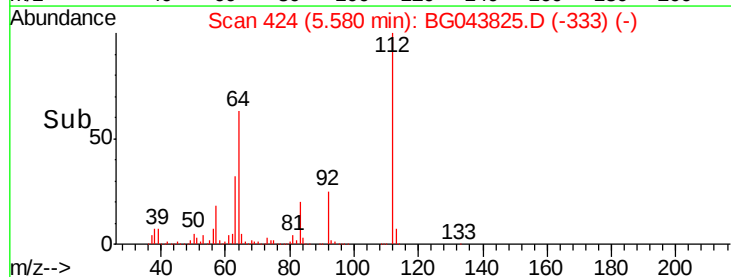
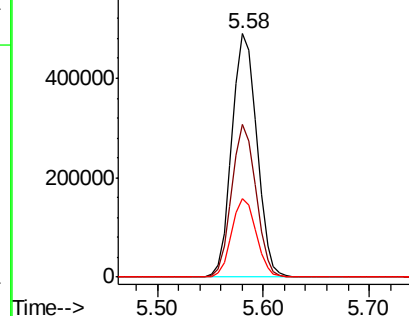
#5

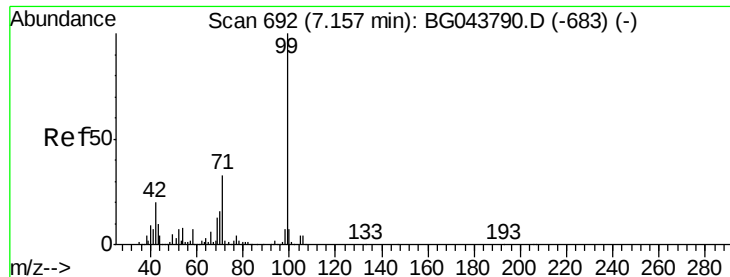
2-Fluorophenol
Concen: 140.340 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.00 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

Tgt Ion	112	Resp	798515
Ion	Ratio	Lower	Upper
112	100		
64	62.6	49.9	74.9
63	32.4	26.0	39.0



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: 142.805 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG043825.D

Acq: 17 Dec 2019 18:41

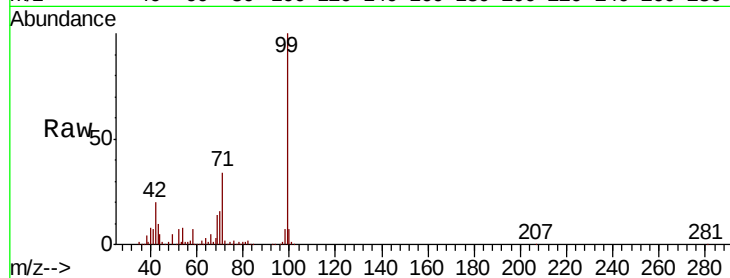
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1171835

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.2	24.2
71	33.7	26.6	40.0

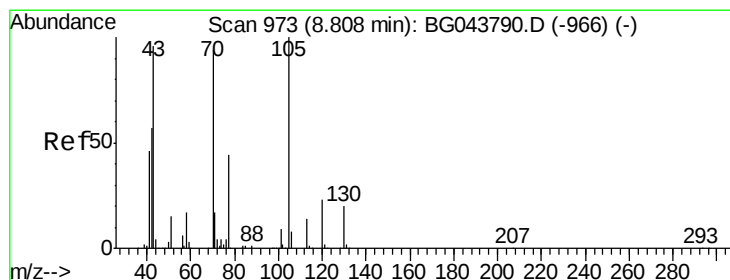
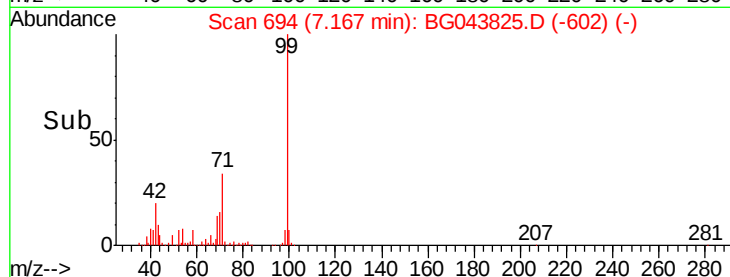
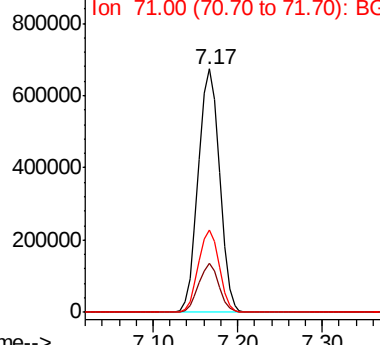


Abundance

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: 13.738 ng

RT: 9.15 min Scan# 1032

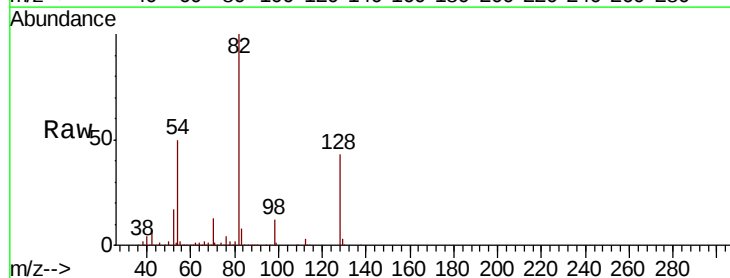
Delta R.T. 0.34 min

Lab File: BG043825.D

Acq: 17 Dec 2019 18:41

Tgt Ion: 70 Resp: 86187

Ion	Ratio	Lower	Upper
70	100		
42	52.0	49.2	73.8
101	0.0	7.8	11.6#
130	2.5	17.0	25.6#



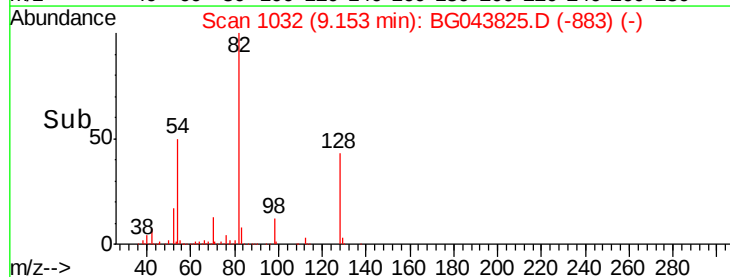
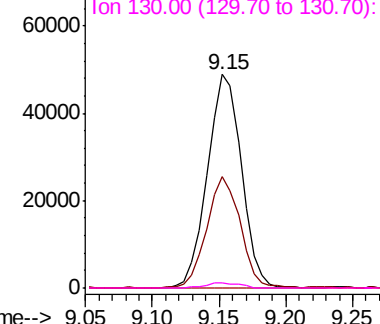
Abundance

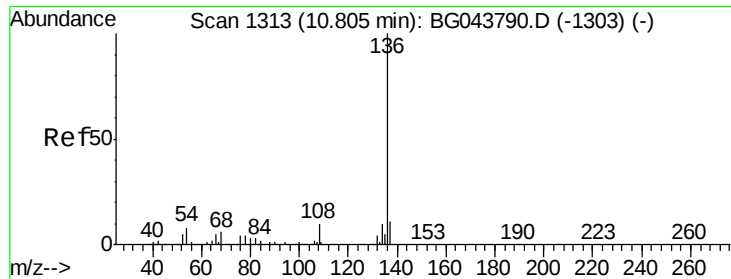
Ion 70.00 (69.70 to 70.70): BGC

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

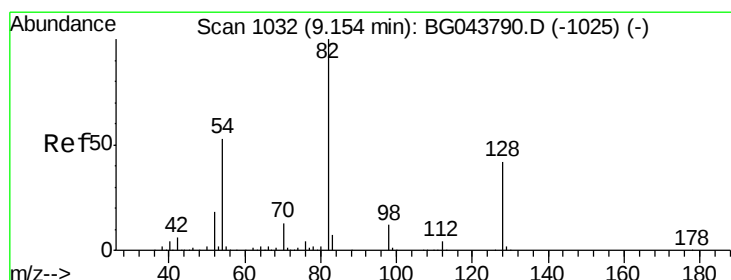
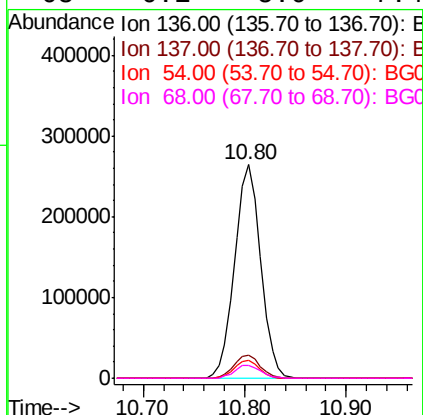
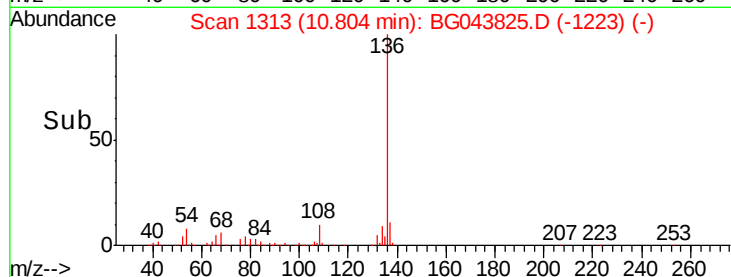
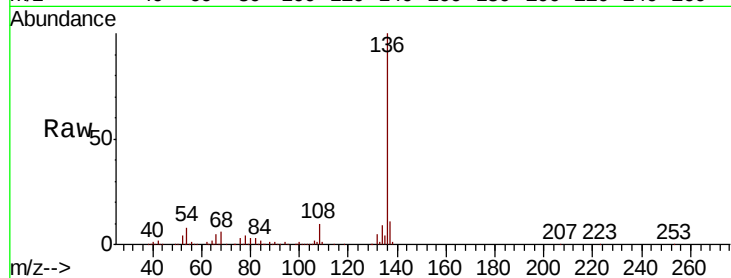




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

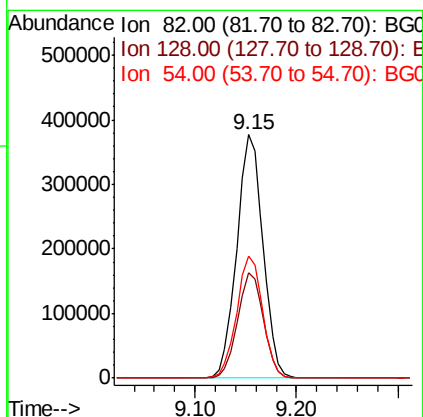
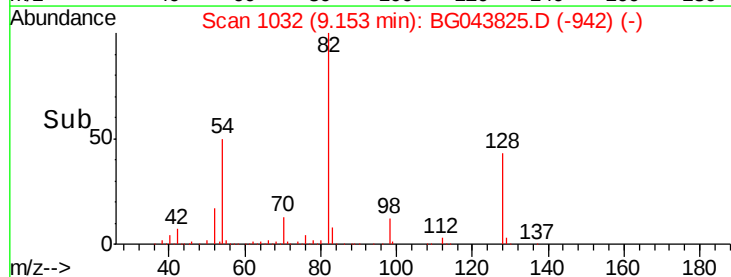
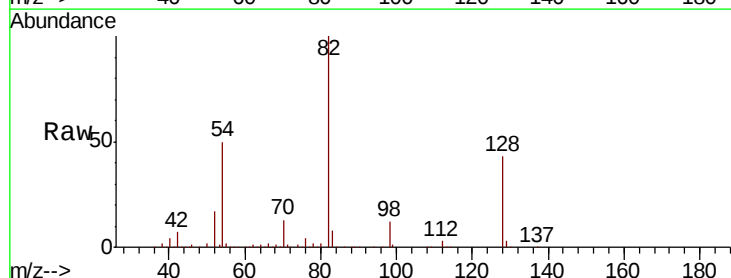
Instrument :
BNA_G
ClientSampleId :

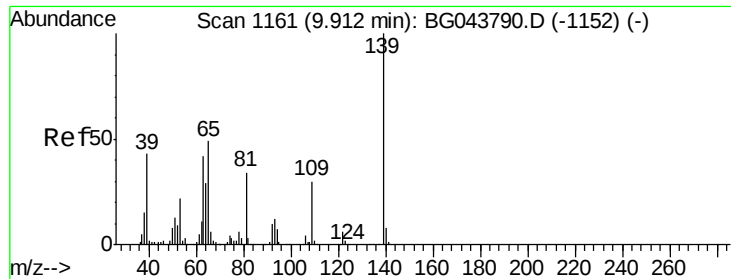
Tot Ion:136	Resp:	472125
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.7	13.1
54 8.3	6.8	10.2
68 6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 80.117 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

Tgt Ion: 82	Resp: 673684
Ion Ratio	Lower Upper
82 100	
128 43.4	33.6 50.4
54 50.2	42.1 63.1

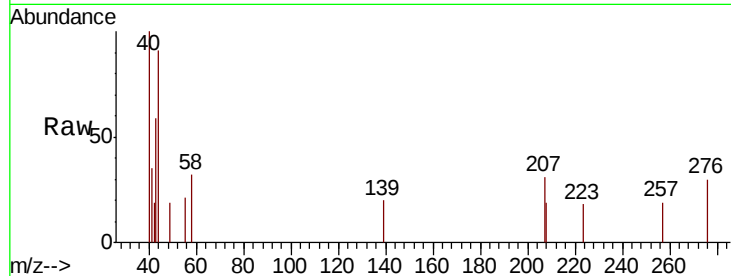




#26
2-Nitrophenol
Concen: 8.363 ng
RT: 9.61 min Scan# 1109
Delta R.T. -0.31 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.9	35.9#
65	0.0	39.3	58.9#

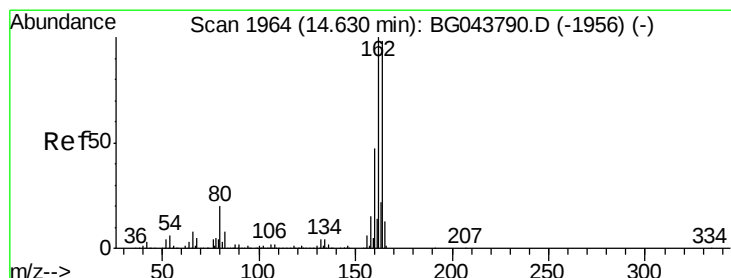
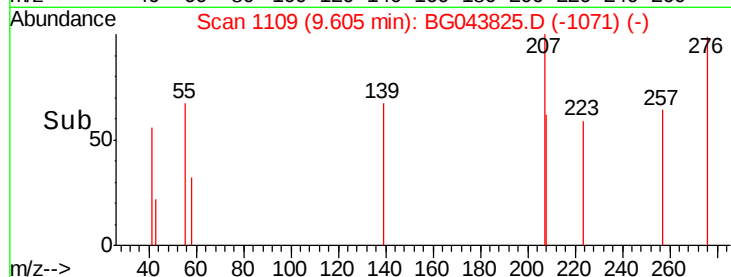
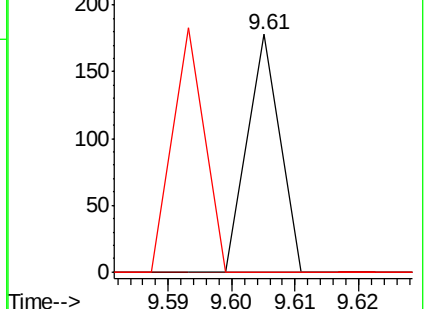


Abundance

Ion 139.00 (138.70 to 139.70): E

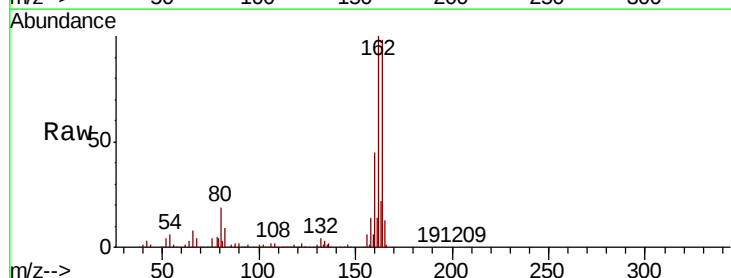
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.9	122.9
160	46.0	38.3	57.5

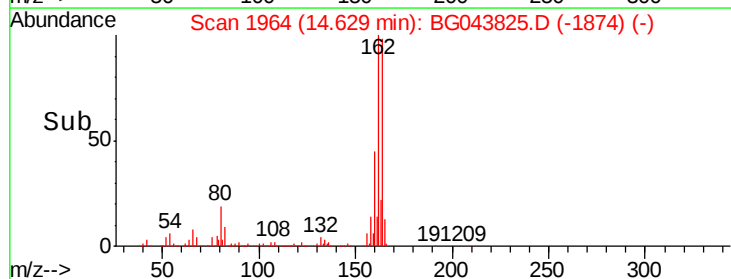
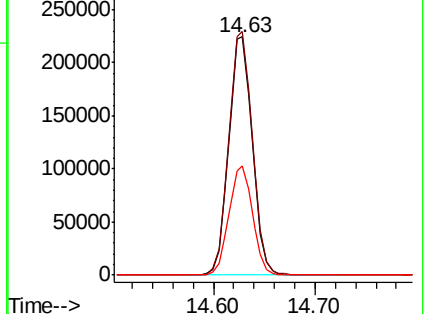


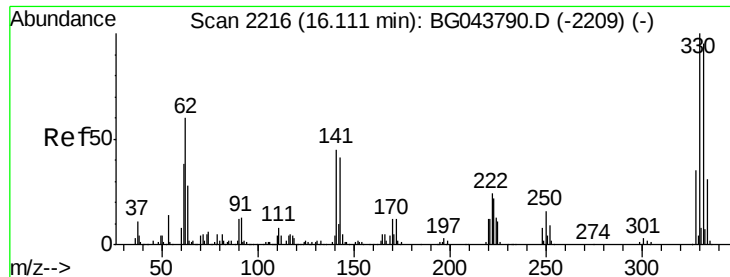
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

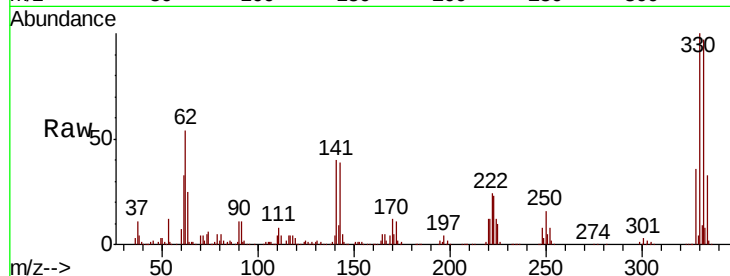




#42
 2,4,6-Tribromophenol
 Concen: 159.775 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG043825.D
 Acq: 17 Dec 2019 18:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	41.3	33.8	50.8

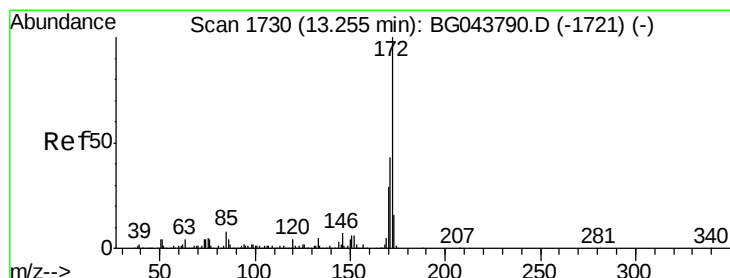
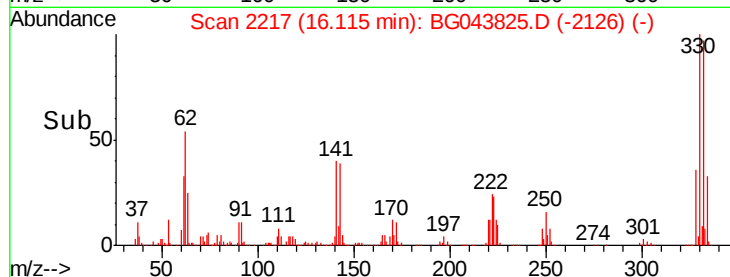
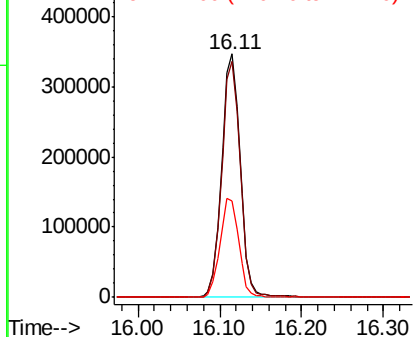


Abundance

Ion 329.80 (329.50 to 330.50): E

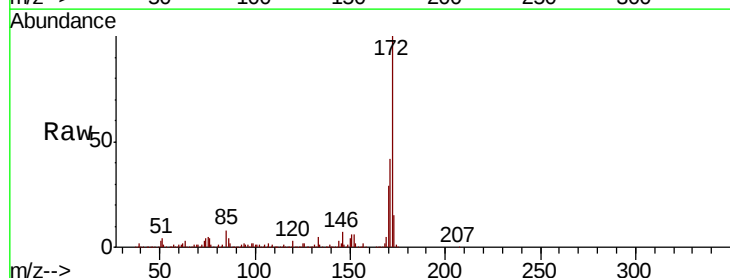
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 80.806 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG043825.D
 Acq: 17 Dec 2019 18:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.9	34.6	51.8
170	28.6	23.3	34.9

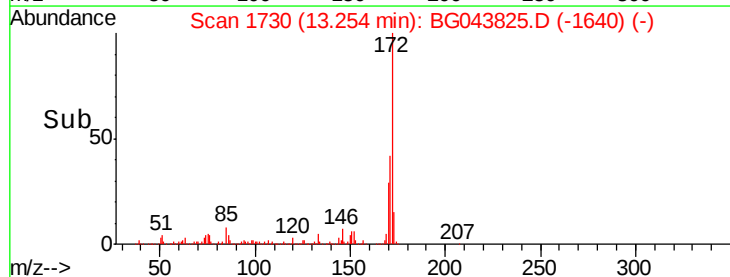
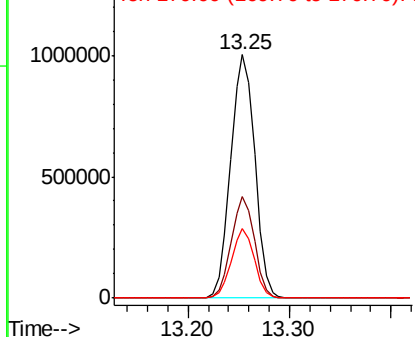


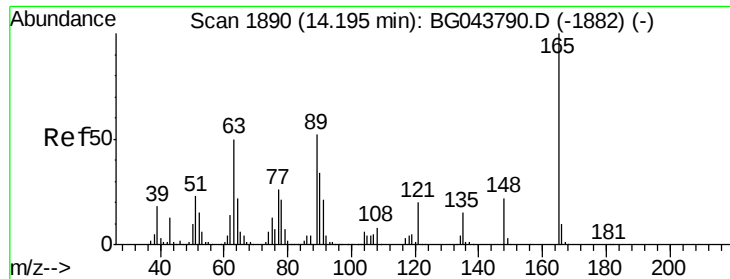
Abundance

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

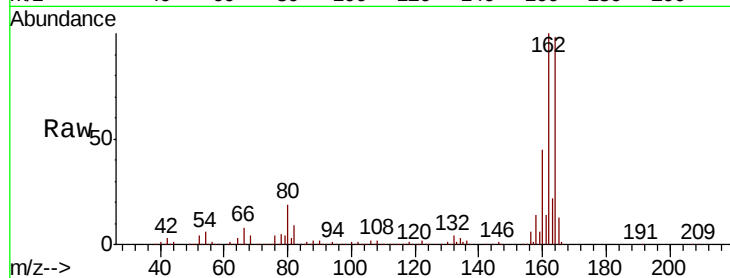




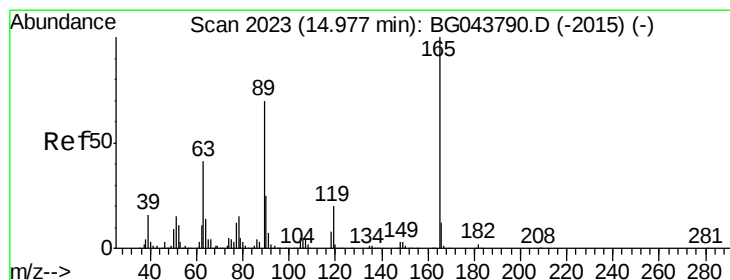
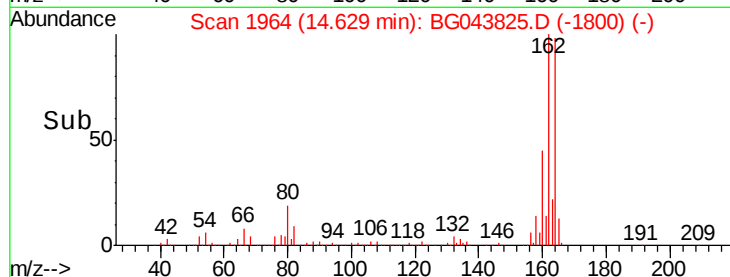
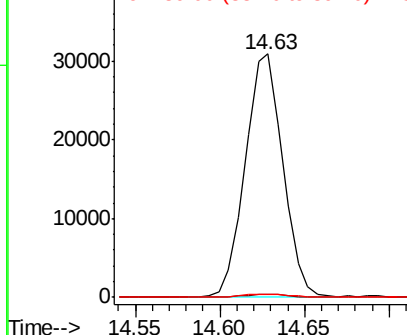
#51
2,6-Dinitrotoluene
Concen: 8.645 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.3	60.5#
89	1.4	41.8	62.8#

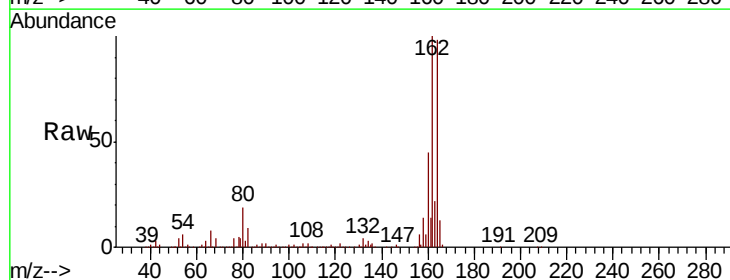


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

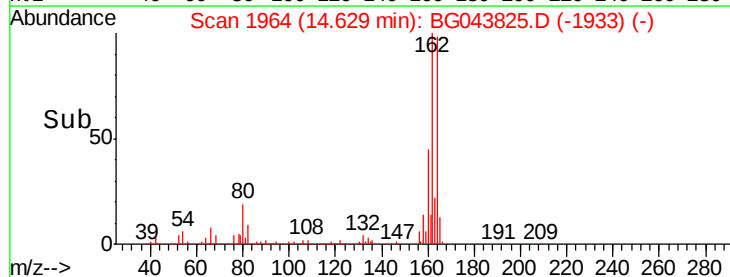
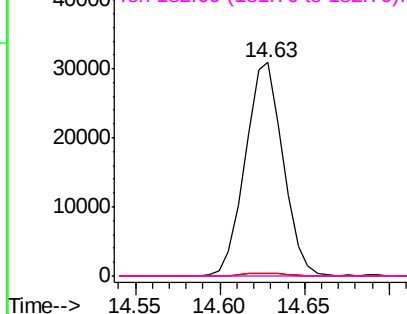


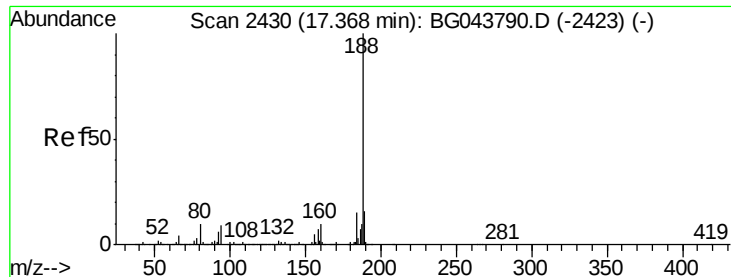
#57
2,4-Dinitrotoluene
Concen: 6.398 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.35 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.7	49.1#
89	1.4	56.1	84.1#
182	0.0	2.0	3.0#



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: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG043825.D

Acq: 17 Dec 2019 18:41

Instrument :

BNA_G

ClientSampleId :

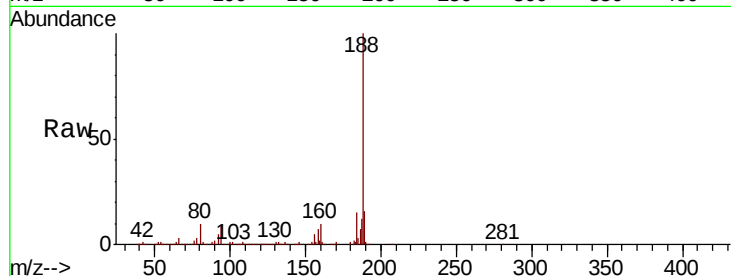
Tot Ion:188 Resp: 889554

Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

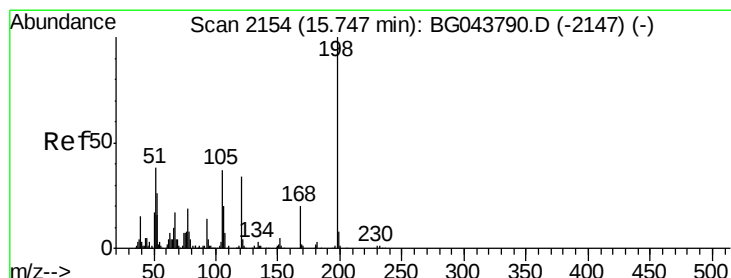
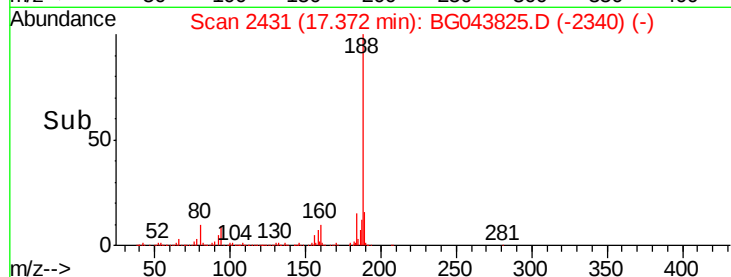
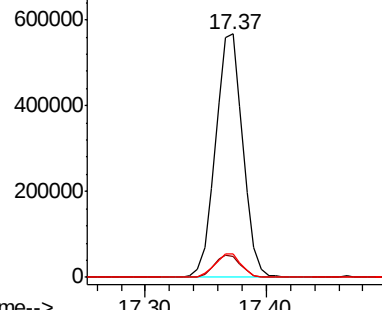
80 9.5 7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 10.008 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.36 min

Lab File: BG043825.D

Acq: 17 Dec 2019 18:41

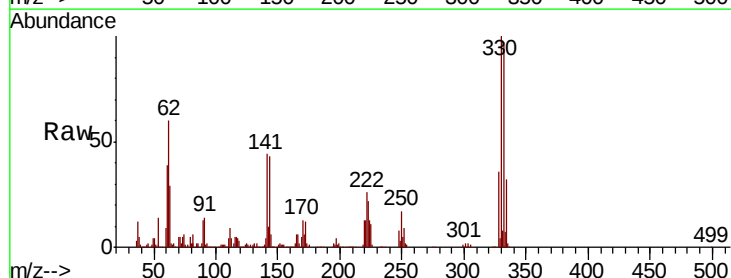
Tgt Ion:198 Resp: 2169

Ion Ratio Lower Upper

198 100

51 122.4 18.9 58.9#

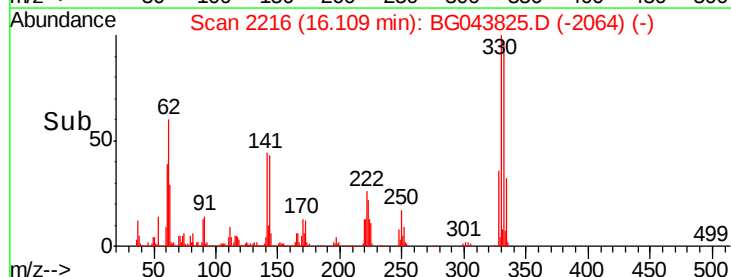
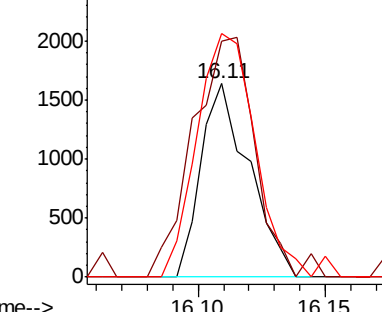
105 126.1 18.1 58.1#

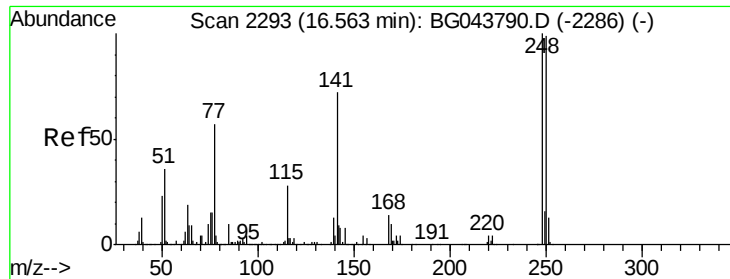


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

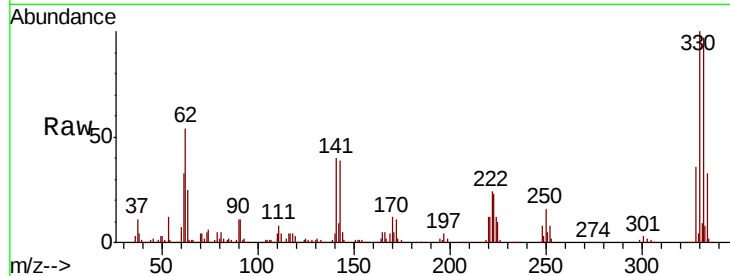




#67
 4-Bromophenyl-phenylether
 Concen: 4.565 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.45 min
 Lab File: BG043825.D
 Acq: 17 Dec 2019 18:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	199.3	79.0	118.6#
141	489.7	57.8	86.6#

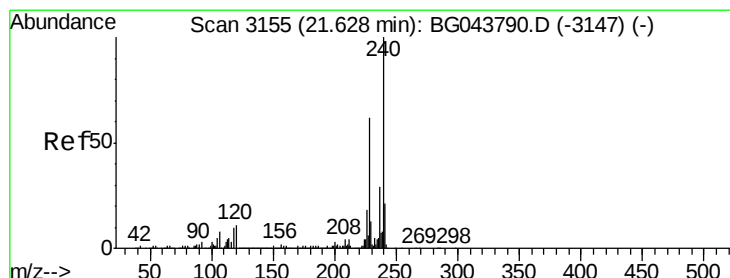
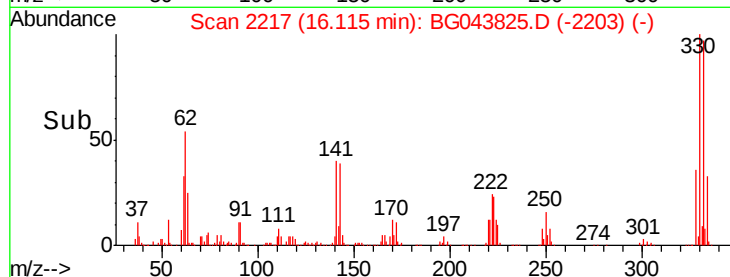
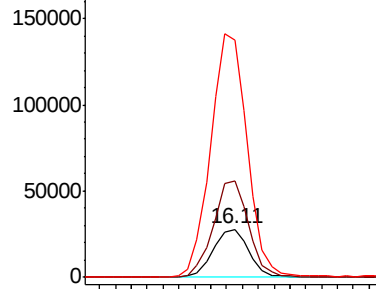


Abundance

Ion 248.00 (247.70 to 248.70): E

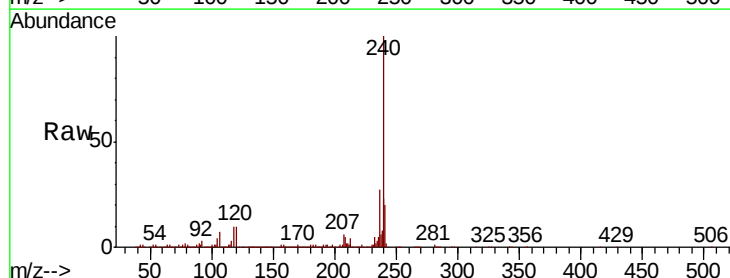
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: BG043825.D
 Acq: 17 Dec 2019 18:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.6	12.8
236	27.3	23.1	34.7

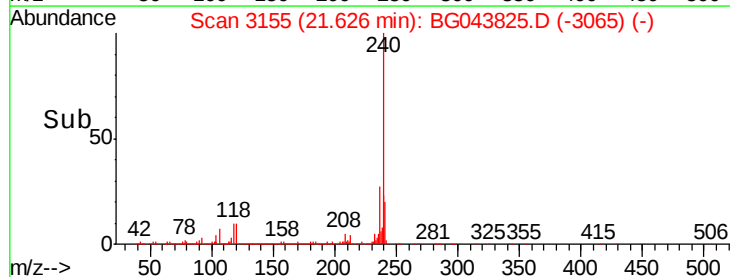
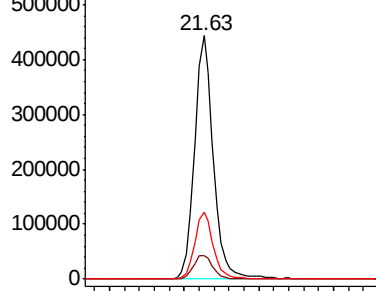


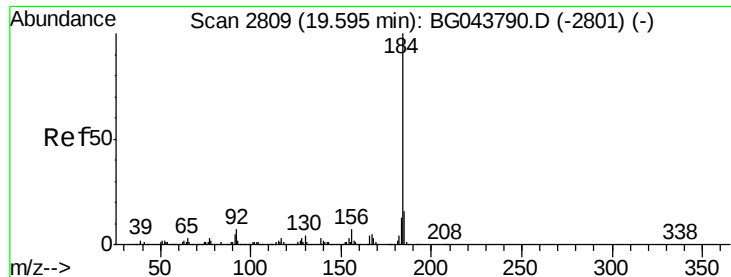
Abundance

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: 3.799 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG043825.D

Acq: 17 Dec 2019 18:41

Instrument :

BNA_G

ClientSampleId :

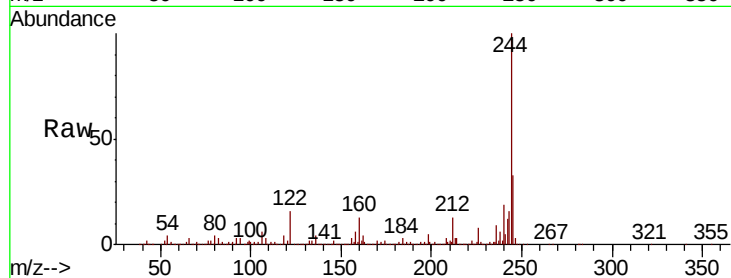
Tot Ion:184 Resp: 64693

Ion Ratio Lower Upper

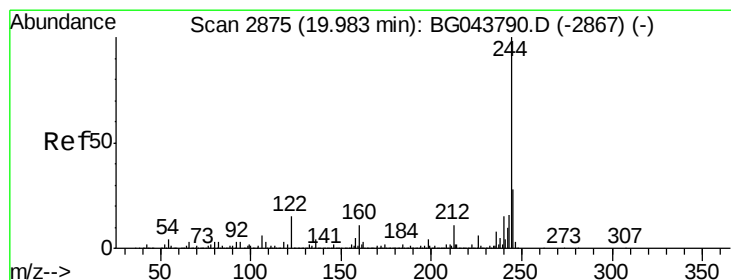
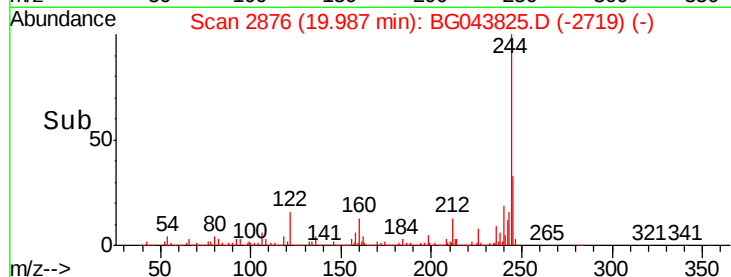
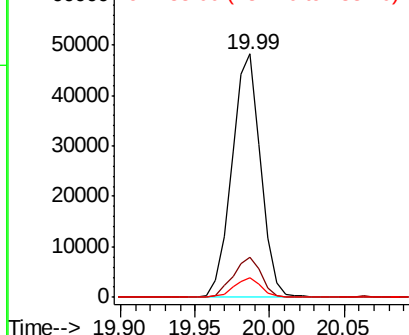
184 100

185 16.2 12.9 19.3

183 8.0 10.3 15.5#



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: 91.419 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG043825.D

Acq: 17 Dec 2019 18:41

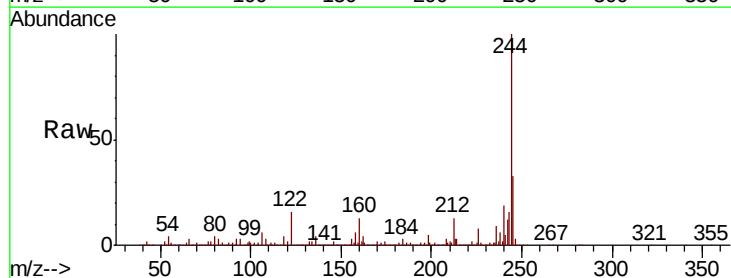
Tgt Ion:244 Resp: 2965968

Ion Ratio Lower Upper

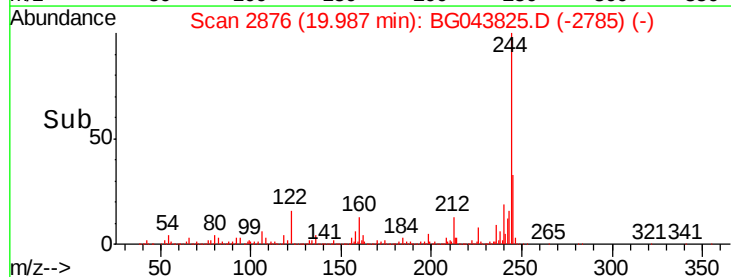
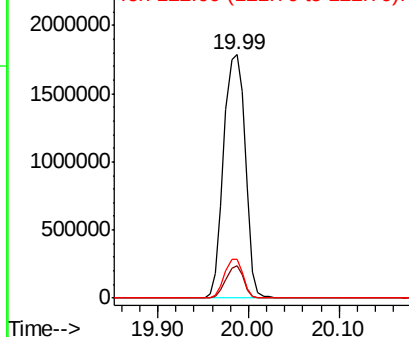
244 100

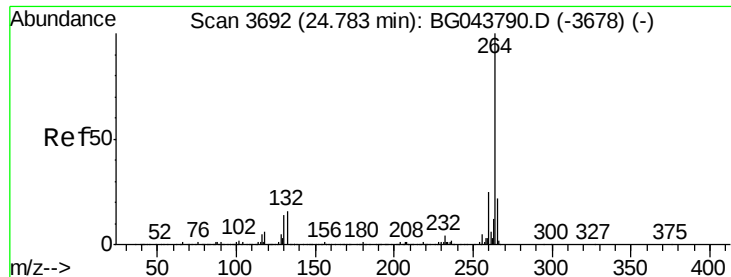
212 13.4 9.1 13.7

122 15.9 11.6 17.4



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: 24.79 min Scan# 3693
Delta R.T. 0.00 min
Lab File: BG043825.D
Acq: 17 Dec 2019 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.8
265	21.8	17.9	26.9

