

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\
 Data File : BG042843.D
 Acq On : 16 Sep 2019 10:13
 Operator : HP/JU
 Sample : PB123101BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 17 01:17:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

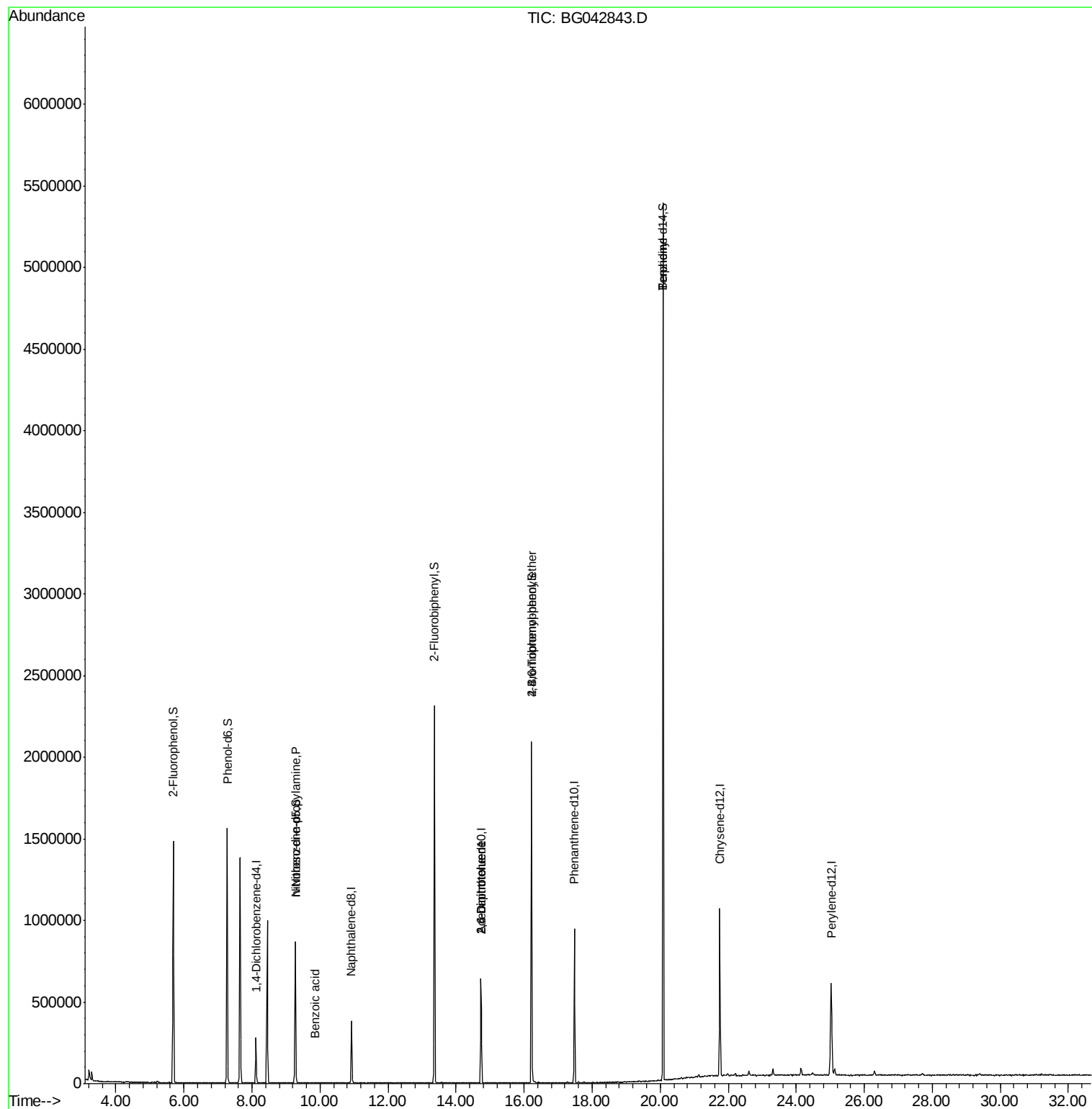
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	77880	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	309854	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	231381	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	588882	20.00	ng	0.00
76) Chrysene-d12	21.75	240	621836	20.00	ng	0.00
87) Perylene-d12	25.03	264	659948	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	595514	132.94	ng	0.00
7) Phenol-d6	7.27	99	881347	137.07	ng	0.00
23) Nitrobenzene-d5	9.27	82	530600	89.15	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	423039	137.42	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1266694	86.66	ng	0.00
79) Terphenyl-d14	20.09	244	2397010	85.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	73057	15.420	ng	# 71
32) Benzoic acid	9.85	122	66	5.981	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	31580	8.879	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	31580	6.661	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	28505	3.999	ng	# 1
77) Benzidine	20.09	184	42208	2.429	ng	95

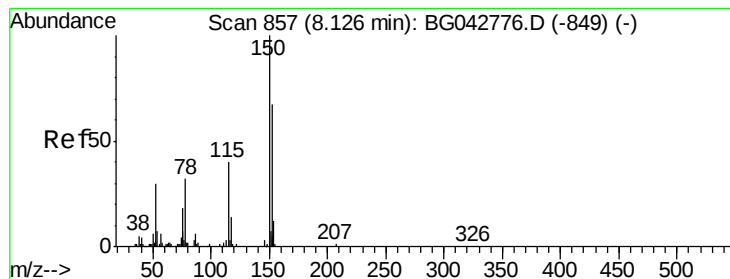
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 4 Sample Multiplier: 1

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BNA_G
ClientSampleId :

Quant Time: Sep 17 01:17:44 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
Response via : Initial Calibration



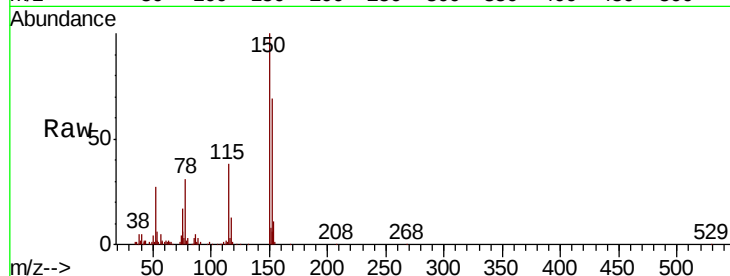


#1

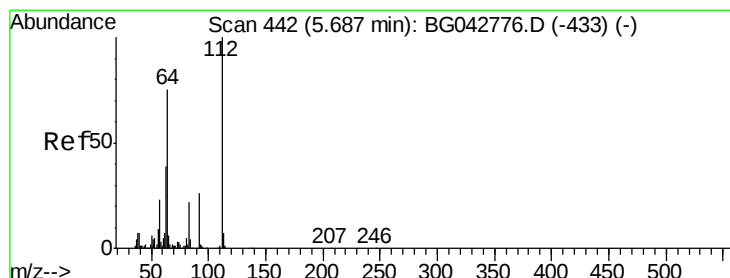
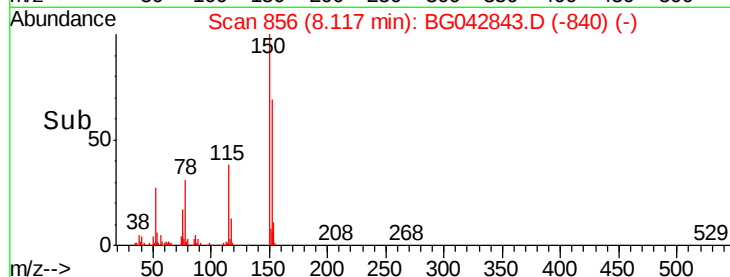
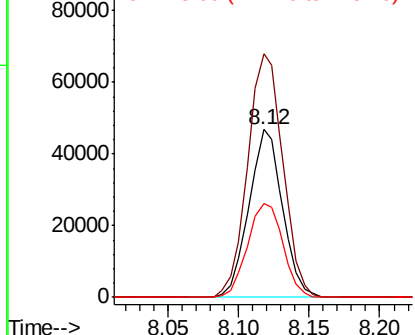
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042843.D
Acq: 16 Sep 2019 10:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 77880
Ion Ratio Lower Upper
152 100
150 145.4 118.9 178.3
115 55.9 47.4 71.2



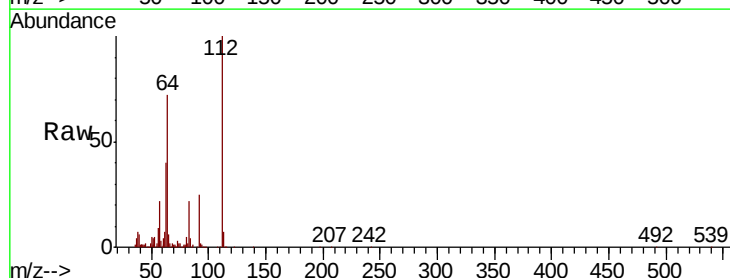
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



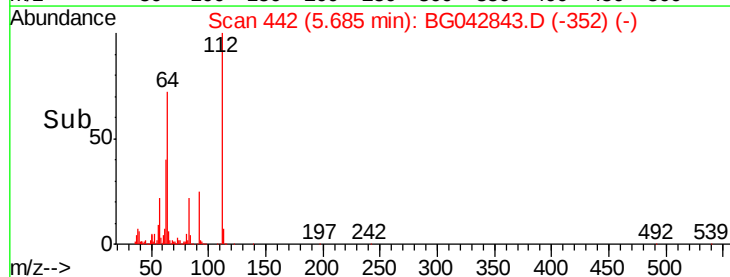
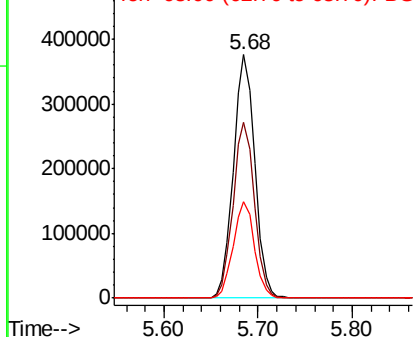
#5

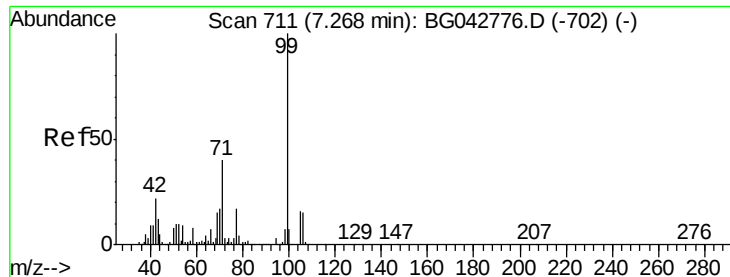
2-Fluorophenol
Concen: 132.939 ng
RT: 5.68 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042843.D
Acq: 16 Sep 2019 10:13

Tgt Ion:112 Resp: 595514
Ion Ratio Lower Upper
112 100
64 72.2 60.2 90.2
63 39.8 31.2 46.8



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: 137.074 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042843.D

Acq: 16 Sep 2019 10:13

Instrument :

BNA_G

ClientSampleId :

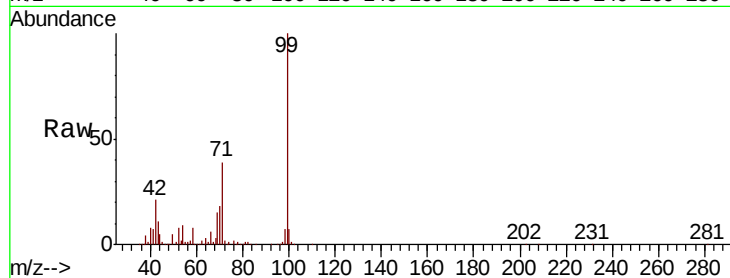
Tot Ion: 99 Resp: 881347

Ion Ratio Lower Upper

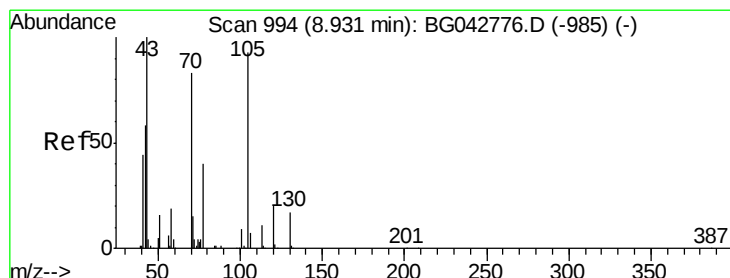
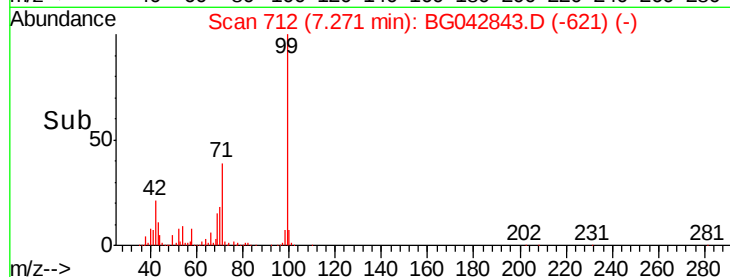
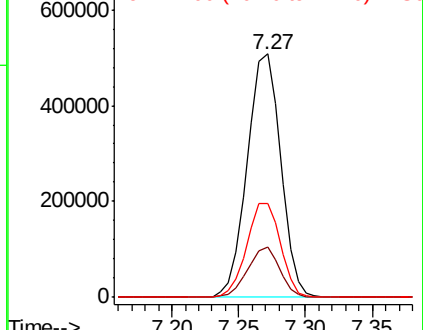
99 100

42 20.6 17.5 26.3

71 38.7 32.0 48.0



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: 15.420 ng

RT: 9.27 min Scan# 1053

Delta R.T. 0.34 min

Lab File: BG042843.D

Acq: 16 Sep 2019 10:13

Tgt Ion: 70 Resp: 73057

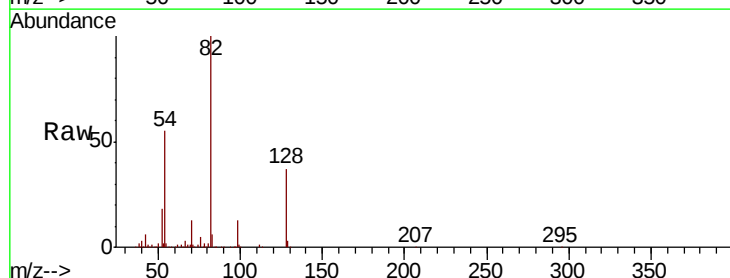
Ion Ratio Lower Upper

70 100

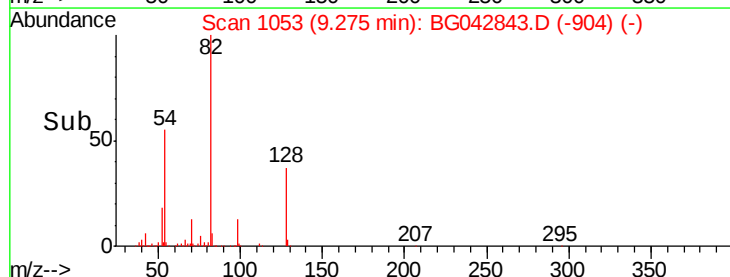
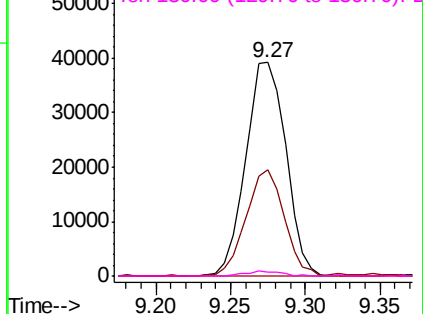
42 49.5 57.0 85.6#

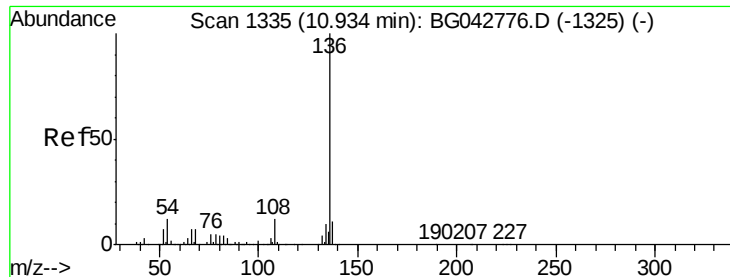
101 0.0 8.4 12.6#

130 1.8 16.1 24.1#



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

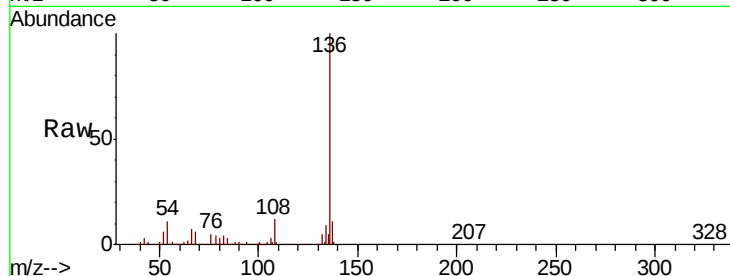




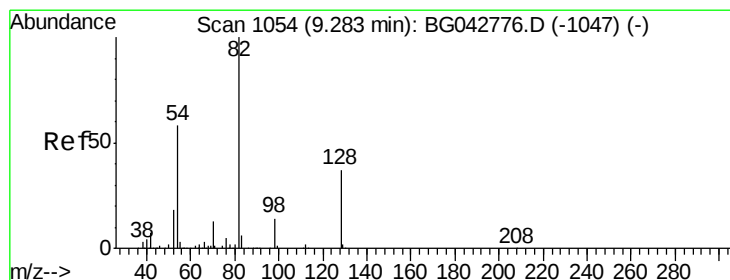
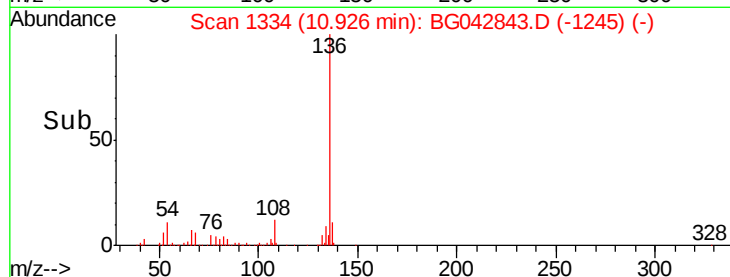
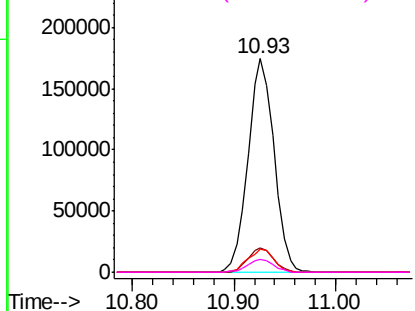
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042843.D
Acq: 16 Sep 2019 10:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	309854
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.0 13.6
54	10.9	9.4 14.0
68	6.1	5.4 8.2

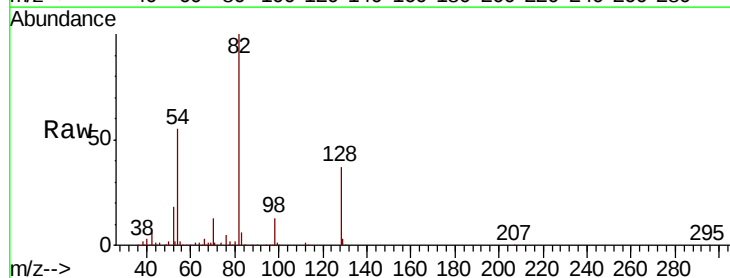


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

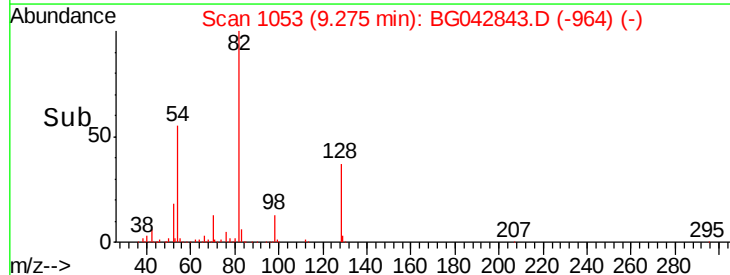
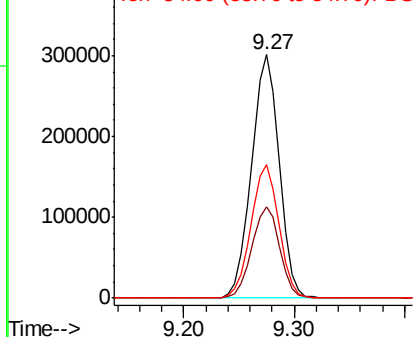


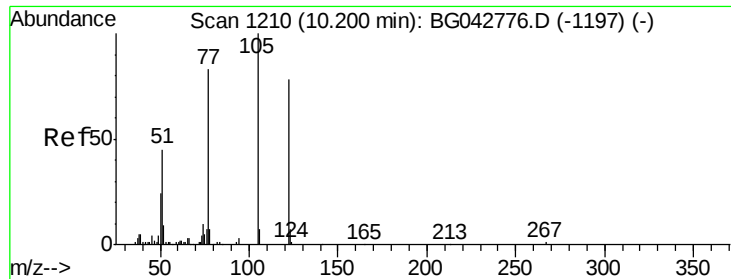
#23
Nitrobenzene-d5
Concen: 89.153 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042843.D
Acq: 16 Sep 2019 10:13

Tgt Ion: 82	Resp:	530600
Ion	Ratio	Lower Upper
82	100	
128	37.3	29.8 44.8
54	54.7	46.1 69.1



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

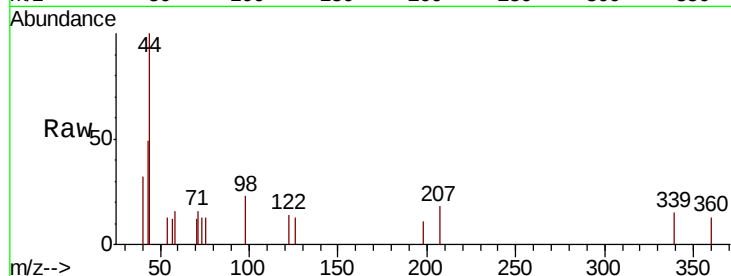




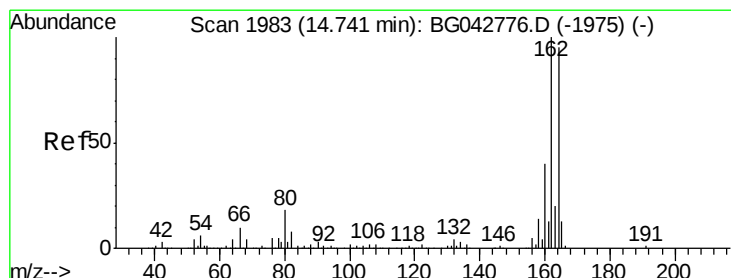
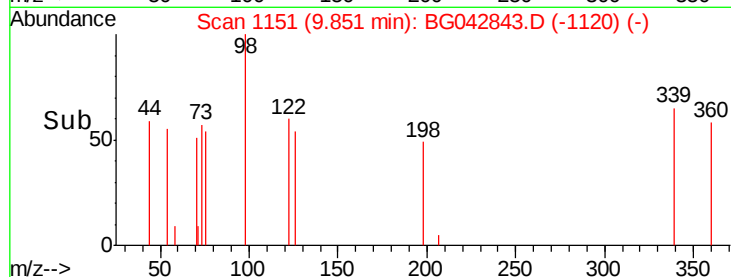
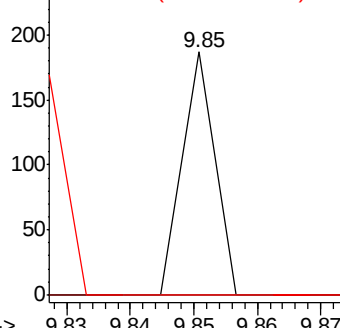
#32
Benzoic acid
Concen: 5.981 ng
RT: 9.85 min Scan# 1151
Delta R.T. -0.35 min
Lab File: BG042843.D
Acq: 16 Sep 2019 10:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#

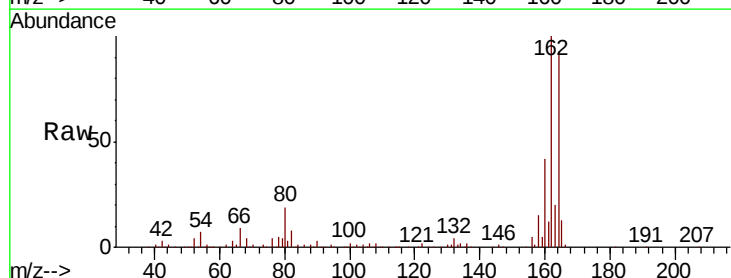


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

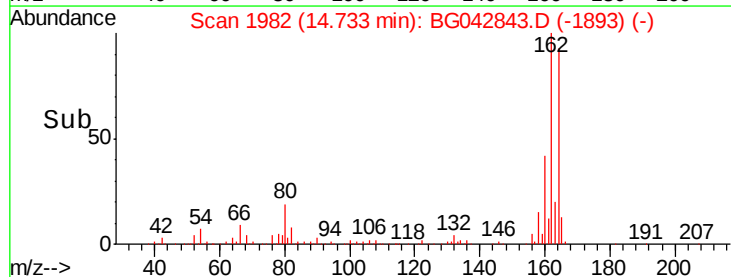
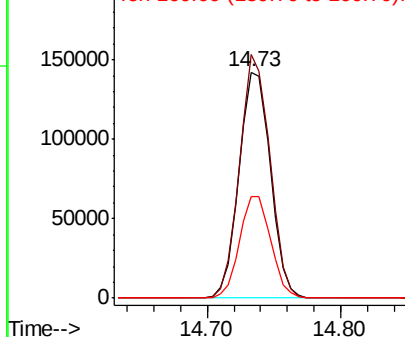


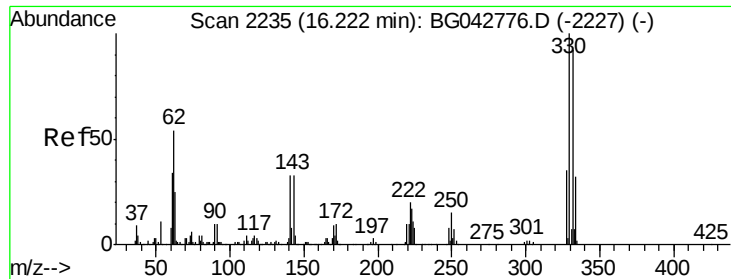
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BG042843.D
Acq: 16 Sep 2019 10:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.9	84.6	126.8
160	45.1	34.2	51.2



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

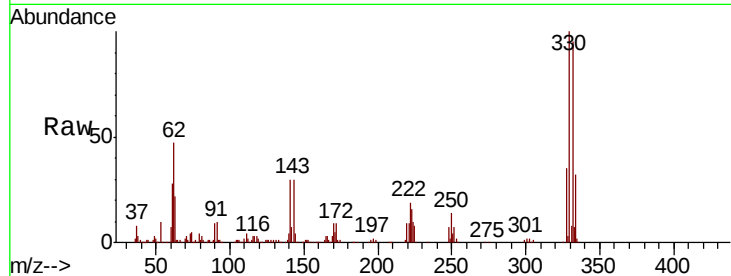




#42
 2,4,6-Tribromophenol
 Concen: 137.424 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042843.D
 Acq: 16 Sep 2019 10:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.7	115.1
141	32.9	27.0	40.6

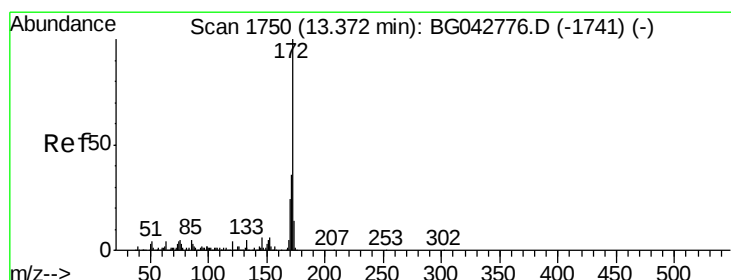
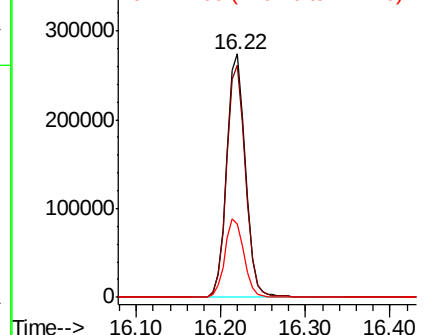
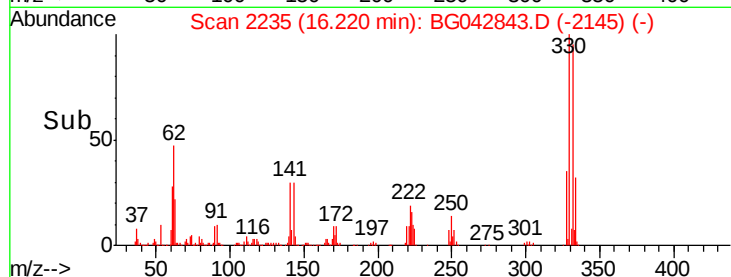


Abundance

Ion 329.80 (329.50 to 330.50): E

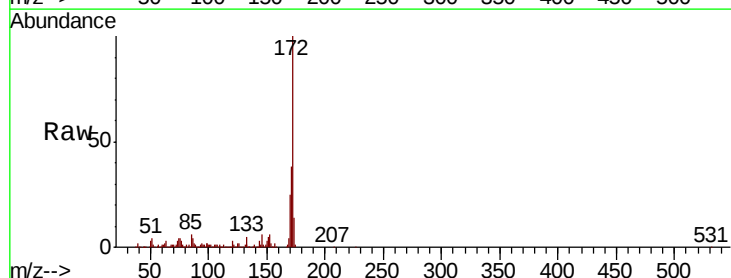
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 86.658 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042843.D
 Acq: 16 Sep 2019 10:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.9	43.3
170	24.7	19.1	28.7

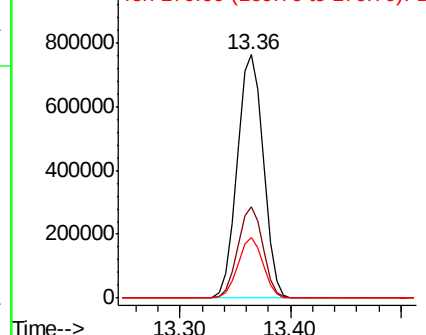
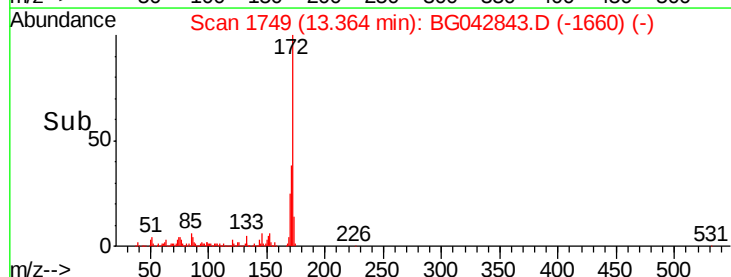


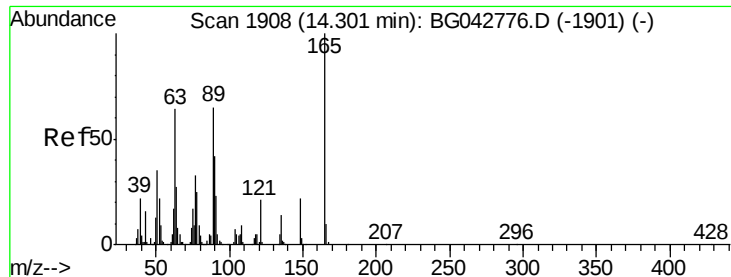
Abundance

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: 8.879 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.43 min

Lab File: BG042843.D

Acq: 16 Sep 2019 10:13

Instrument :

BNA_G

ClientSampleId :

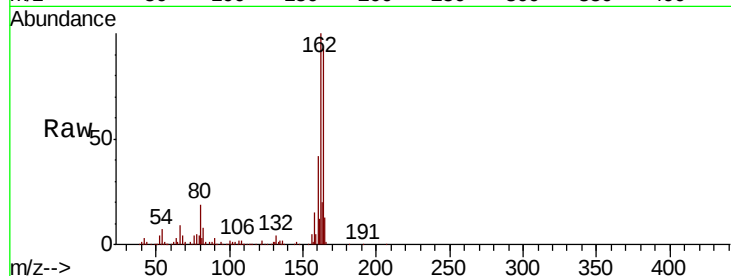
Tot Ion:165 Resp: 31580

Ion Ratio Lower Upper

165 100

63 0.0 52.1 78.1#

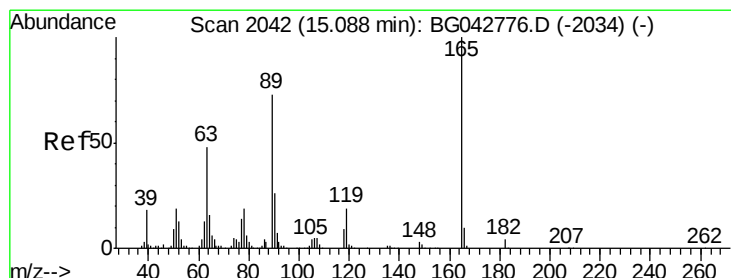
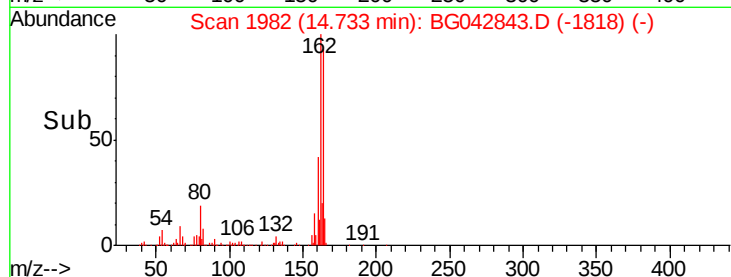
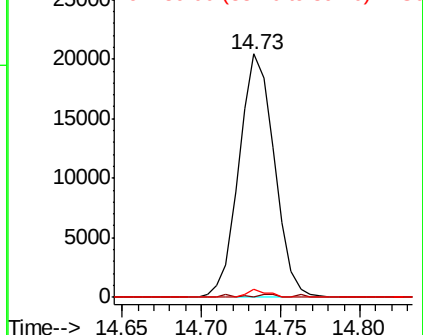
89 3.6 51.7 77.5#



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



#57

2,4-Dinitrotoluene

Concen: 6.661 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.35 min

Lab File: BG042843.D

Acq: 16 Sep 2019 10:13

Tgt Ion:165 Resp: 31580

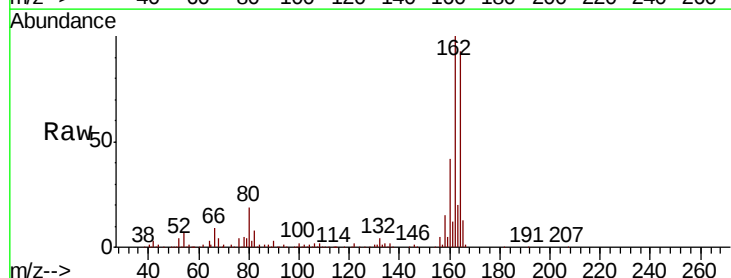
Ion Ratio Lower Upper

165 100

63 0.0 38.3 57.5#

89 3.6 58.4 87.6#

182 1.1 2.9 4.3#

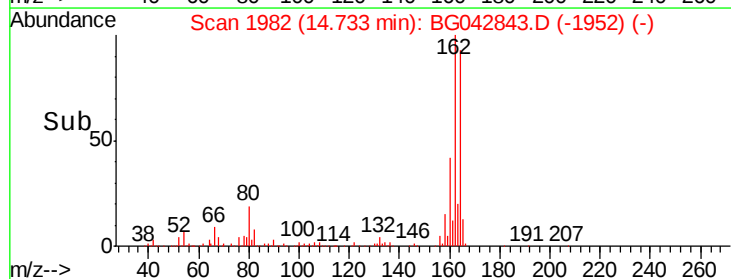
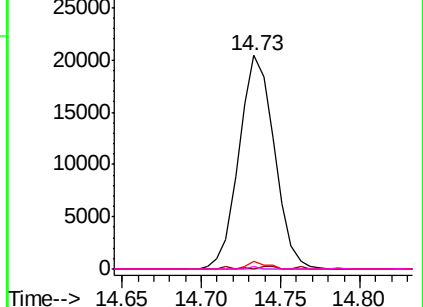


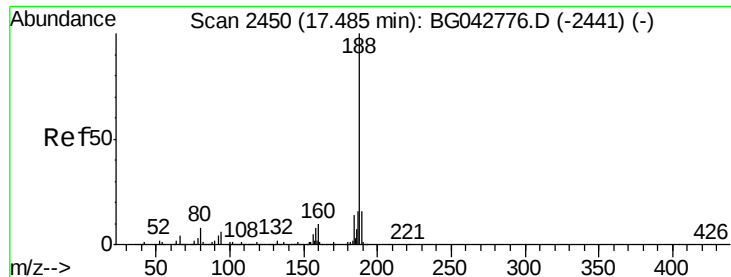
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

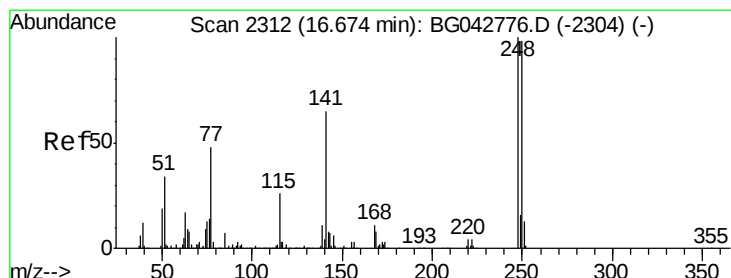
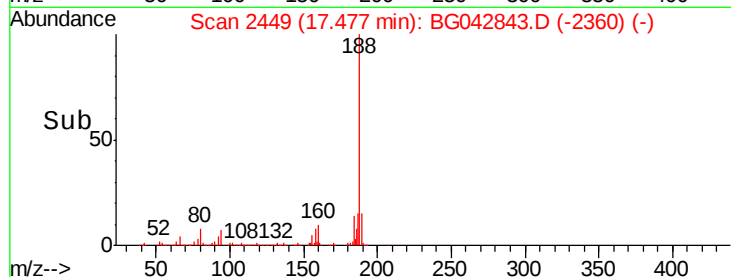
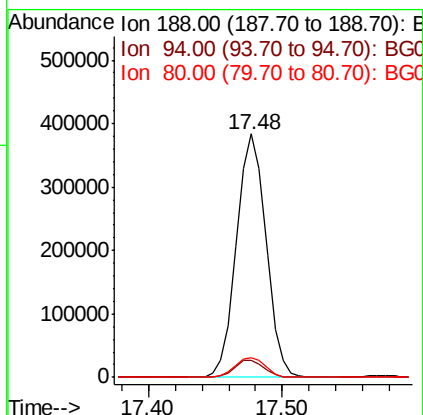
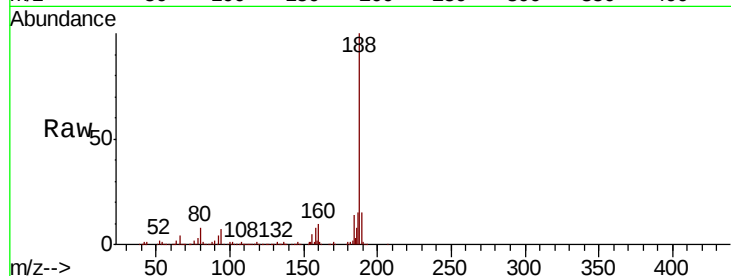




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.01 min
 Lab File: BG042843.D
 Acq: 16 Sep 2019 10:13

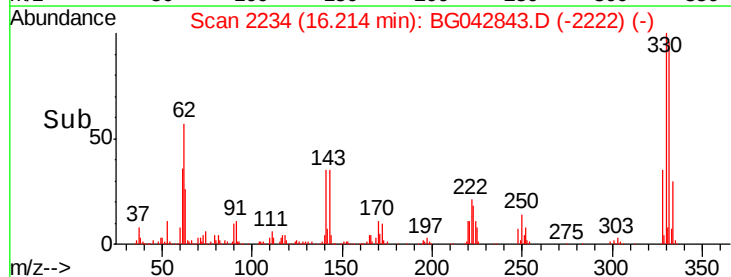
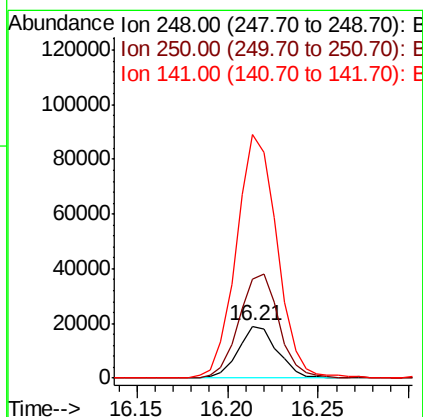
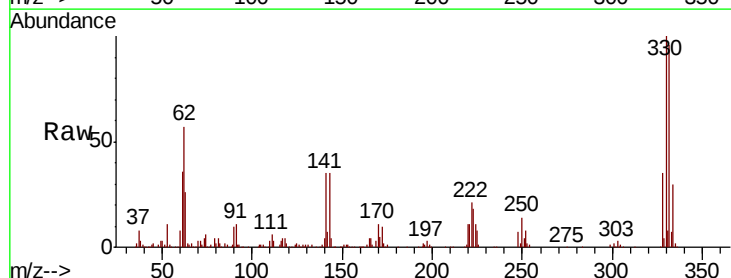
Instrument :
 BNA_G
 ClientSampleId :

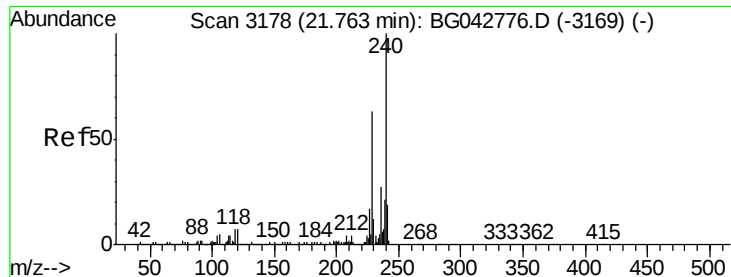
Tot Ion:188 Resp: 588882
 Ion Ratio Lower Upper
 188 100
 94 7.1 4.8 7.2
 80 8.2 6.6 9.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.999 ng
 RT: 16.21 min Scan# 2234
 Delta R.T. -0.46 min
 Lab File: BG042843.D
 Acq: 16 Sep 2019 10:13

Tgt Ion:248 Resp: 28505
 Ion Ratio Lower Upper
 248 100
 250 189.9 78.0 117.0#
 141 468.7 51.8 77.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042843.D

Acq: 16 Sep 2019 10:13

Instrument :

BNA_G

ClientSampleId :

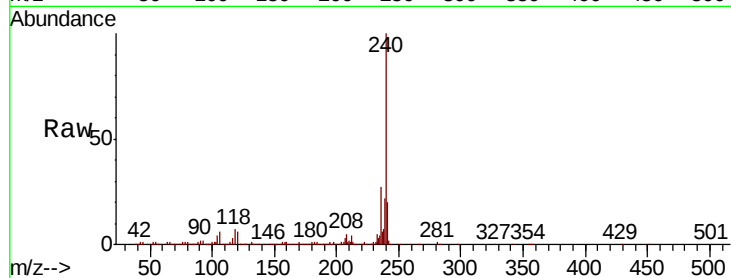
Tot Ion:240 Resp: 621836

Ion Ratio Lower Upper

240 100

120 6.3 5.4 8.2

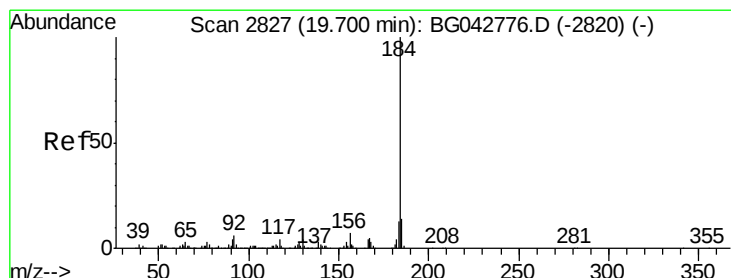
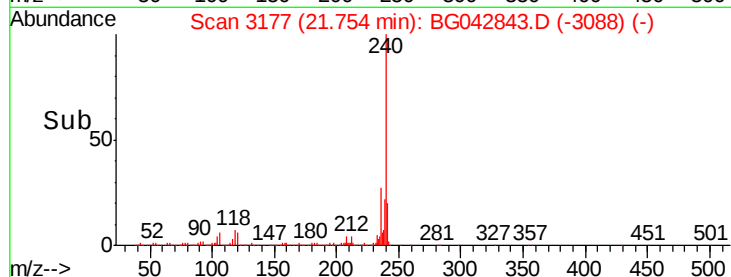
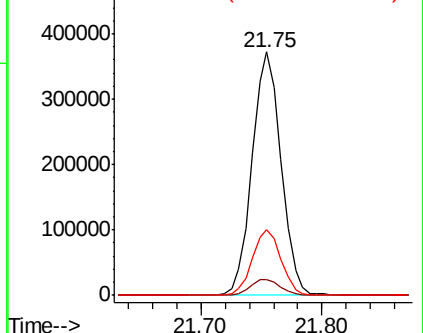
236 26.7 21.7 32.5



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



#77

Benzidine

Concen: 2.429 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.39 min

Lab File: BG042843.D

Acq: 16 Sep 2019 10:13

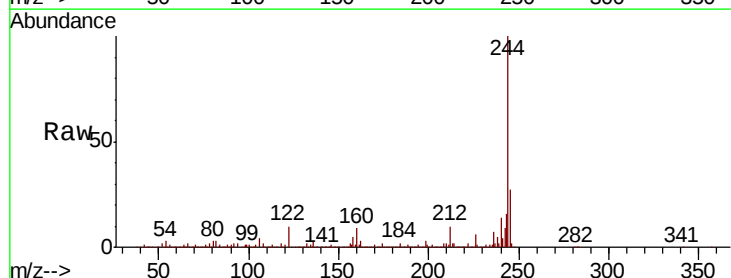
Tgt Ion:184 Resp: 42208

Ion Ratio Lower Upper

184 100

185 16.5 11.6 17.4

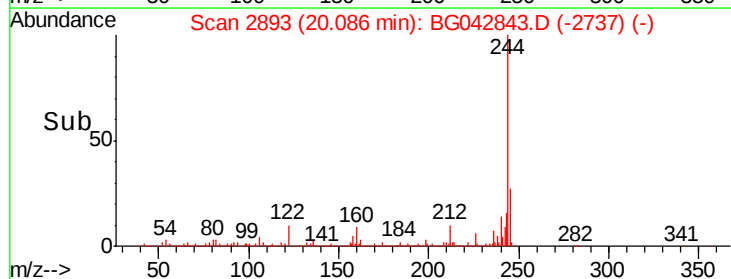
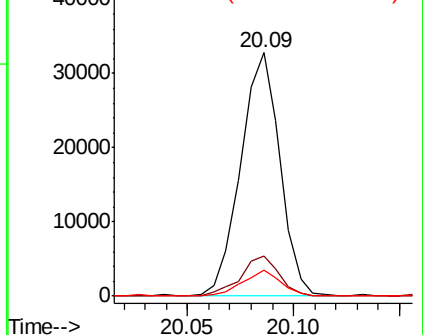
183 10.6 10.4 15.6

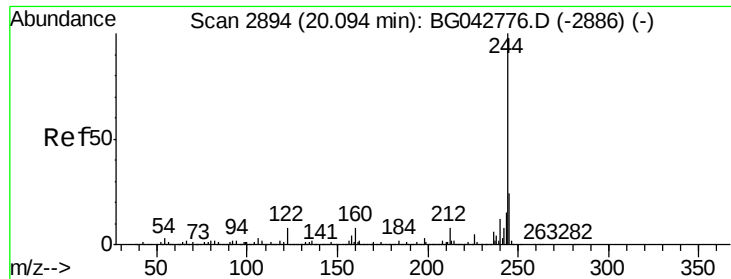


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 85.432 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042843.D

Acq: 16 Sep 2019 10:13

Instrument :

BNA_G

ClientSampled :

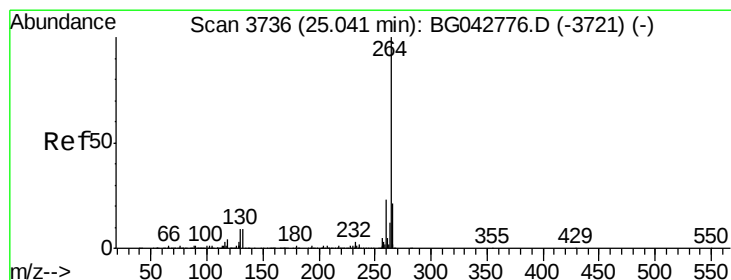
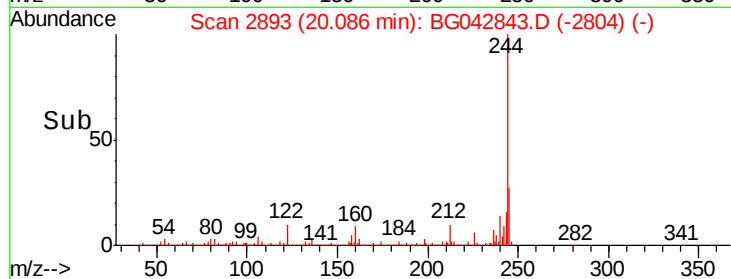
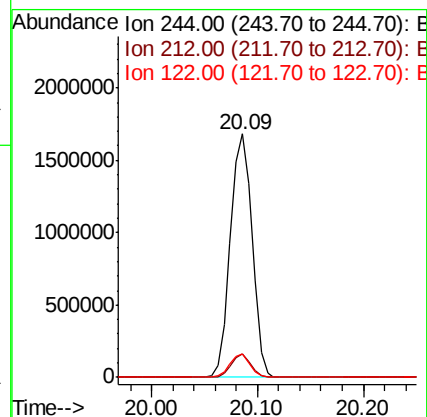
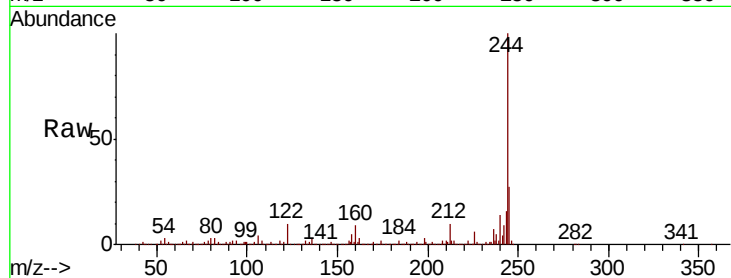
Tot Ion:244 Resp: 2397010

Ion Ratio Lower Upper

244 100

212 9.6 6.6 10.0

122 9.7 6.2 9.4#



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3734

Delta R.T. -0.01 min

Lab File: BG042843.D

Acq: 16 Sep 2019 10:13

Tgt Ion:264 Resp: 659948

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

265 20.7 16.9 25.3

