

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\
 Data File : BG041302.D
 Acq On : 18 Jun 2019 18:06
 Operator : HP/JU
 Sample : K3382-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 05:39:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

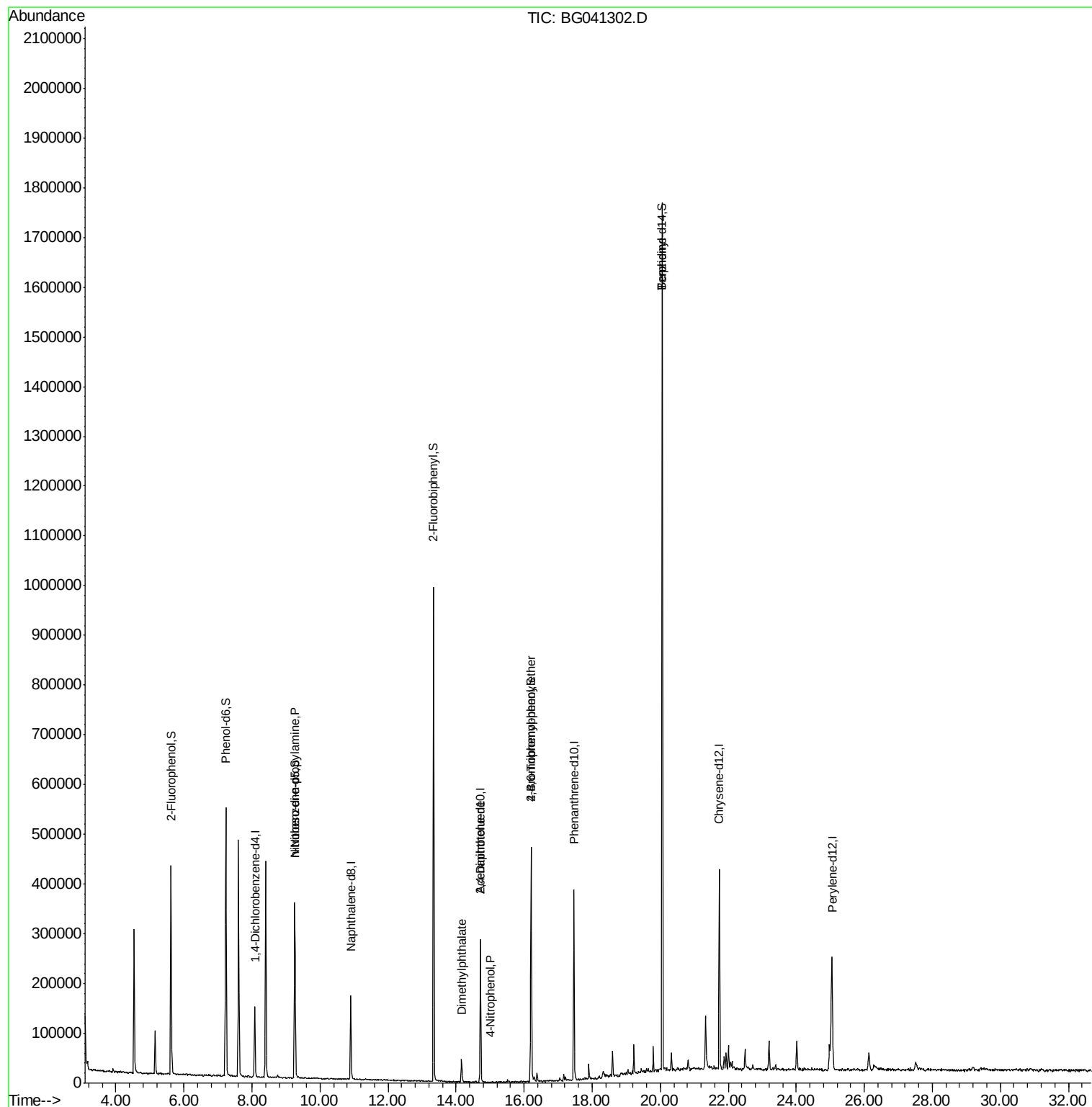
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	37034	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	142156	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	101601	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	251646	20.00	ng	0.00
76) Chrysene-d12	21.74	240	249640	20.00	ng	0.00
87) Perylene-d12	25.05	264	265418	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	163056	80.90	ng	0.00
7) Phenol-d6	7.23	99	278220	95.23	ng	0.00
23) Nitrobenzene-d5	9.26	82	218561	64.66	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	96180	61.66	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	508063	67.97	ng	0.00
79) Terphenyl-d14	20.06	244	855831	67.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	31215	13.210	ng	# 71
50) Dimethylphthalate	14.16	163	35232	3.897	ng	# 96
56) 4-Nitrophenol	15.00	139	53	3.251	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	12276	4.406	ng	# 21
67) 4-Bromophenyl-phenylether	16.20	248	6871	2.112	ng	# 1
77) Benzidine	20.06	184	14811	2.453	ng	# 95

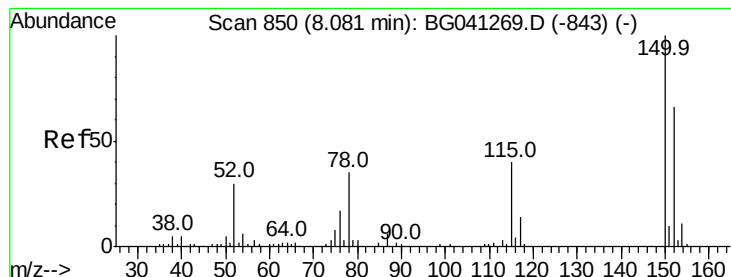
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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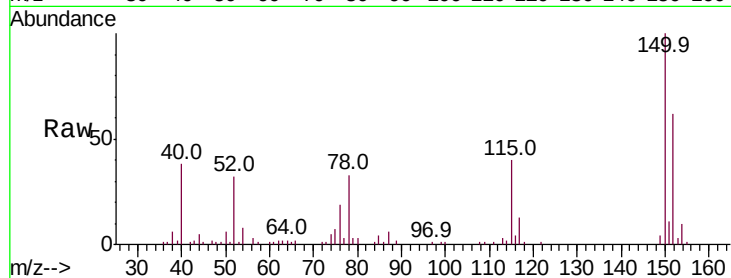


#1

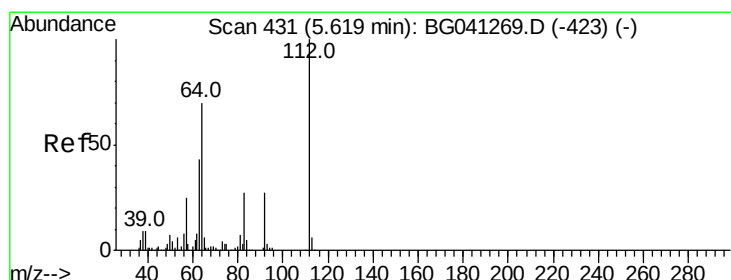
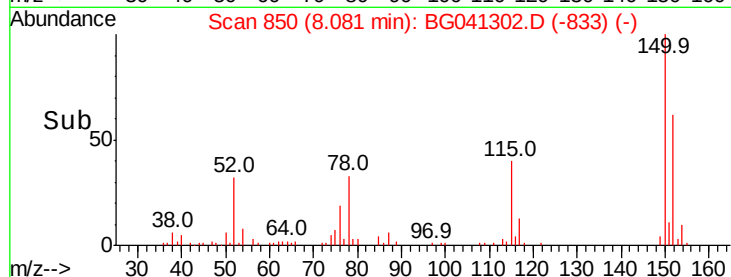
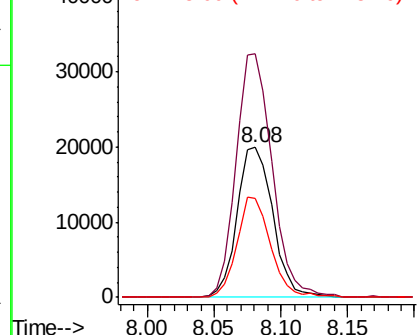
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041302.D
Acq: 18 Jun 2019 18:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37034
Ion Ratio Lower Upper
152 100
150 162.5 120.6 181.0
115 65.6 47.9 71.9



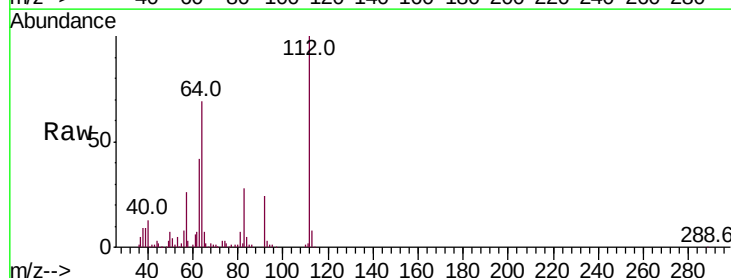
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



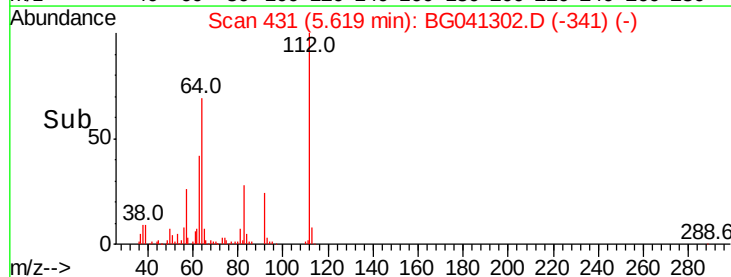
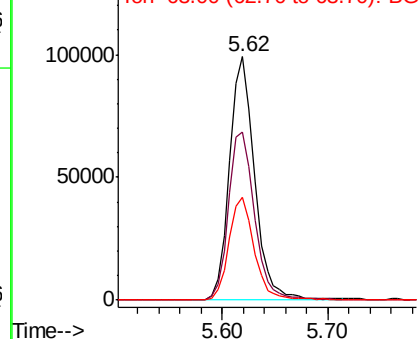
#5

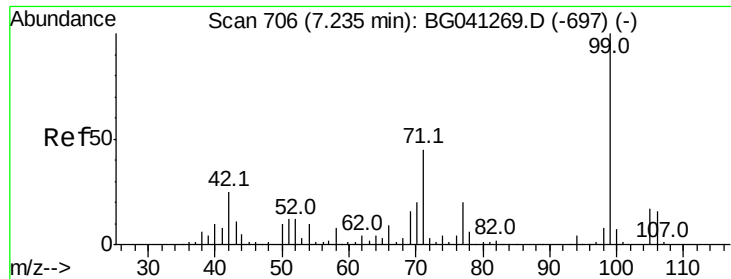
2-Fluorophenol
Concen: 80.899 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041302.D
Acq: 18 Jun 2019 18:06

Tgt Ion:112 Resp: 163056
Ion Ratio Lower Upper
112 100
64 68.9 55.9 83.9
63 42.2 34.6 51.8



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: 95.230 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

Instrument :

BNA_G

ClientSampled :

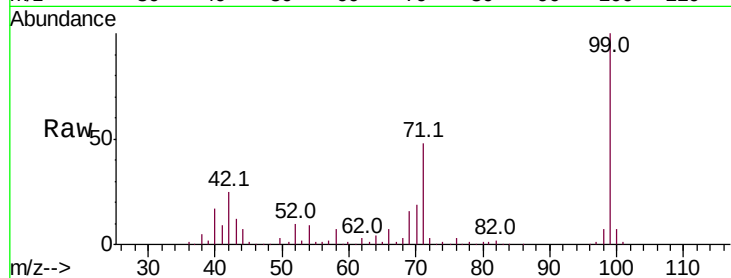
Tot Ion: 99 Resp: 278220

Ion Ratio Lower Upper

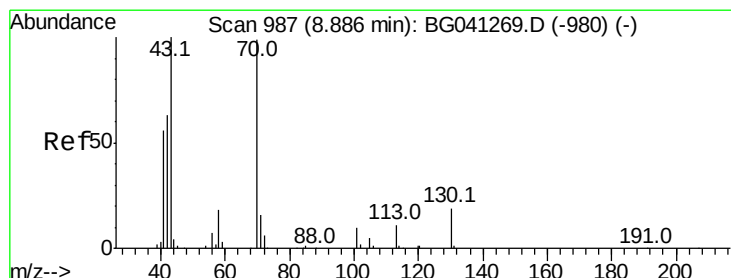
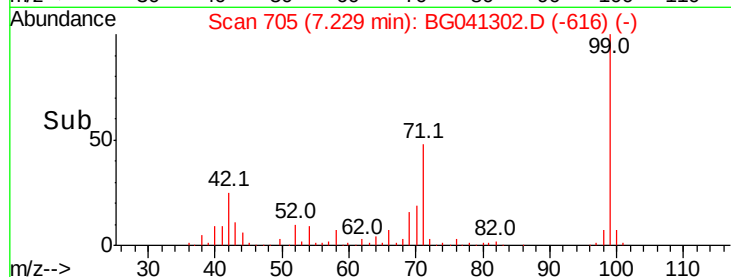
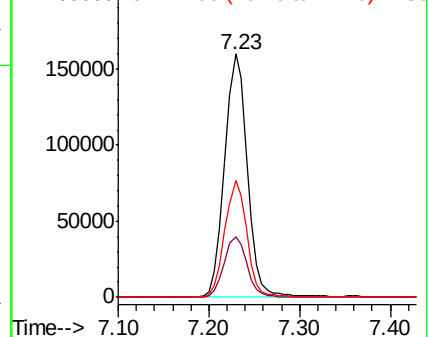
99 100

42 24.6 19.9 29.9

71 47.9 36.4 54.6



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: 13.210 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

Tgt Ion: 70 Resp: 31215

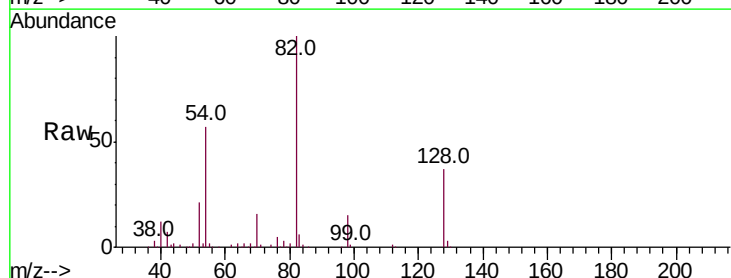
Ion Ratio Lower Upper

70 100

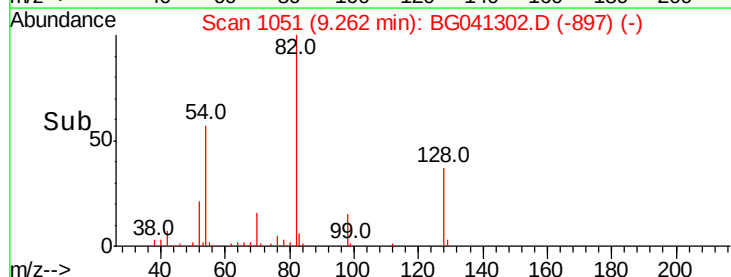
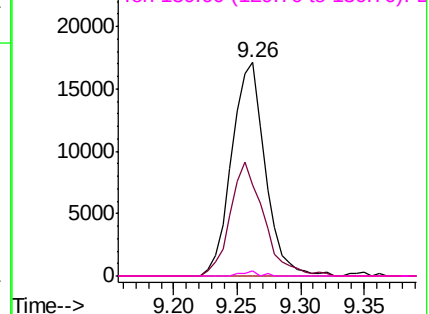
42 42.5 51.4 77.2#

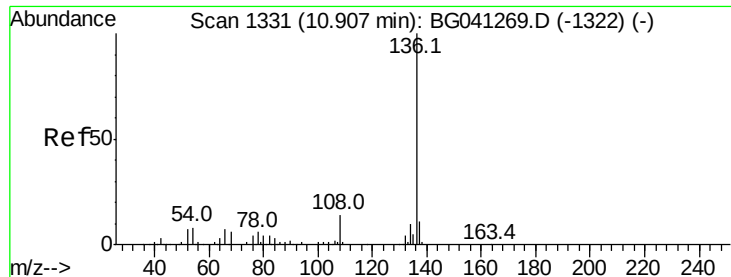
101 0.0 8.2 12.2#

130 2.7 15.2 22.8#



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

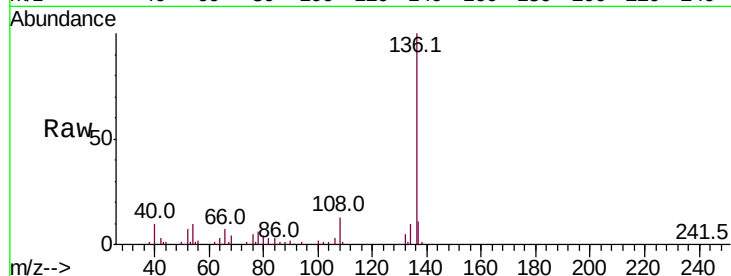




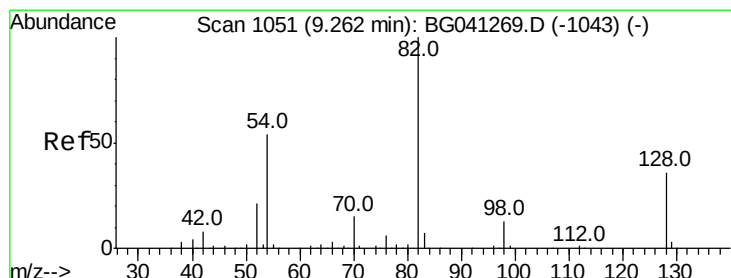
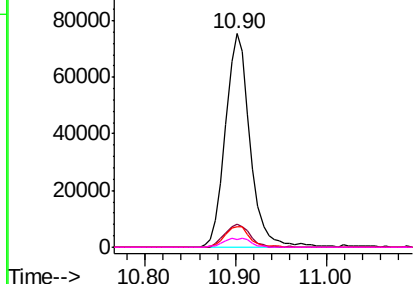
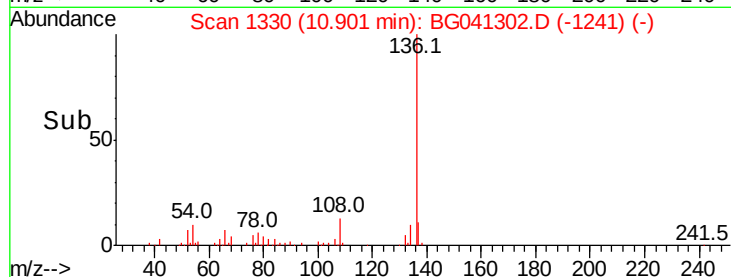
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BG041302.D
Acq: 18 Jun 2019 18:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	142156
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.5	6.4	9.6
68	3.7	4.8	7.2#

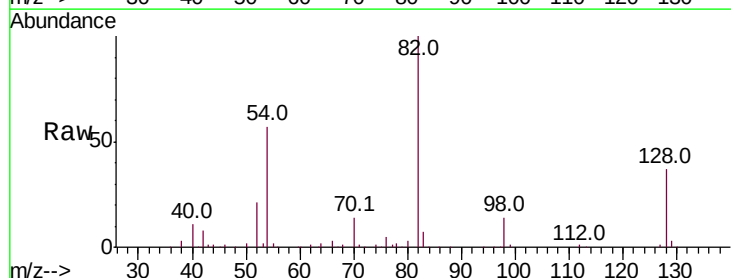


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

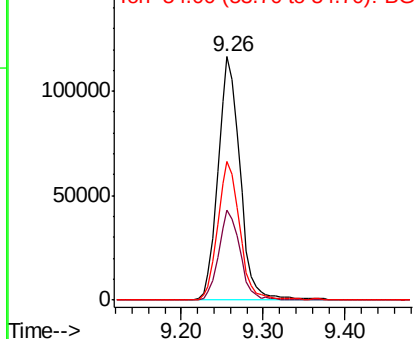
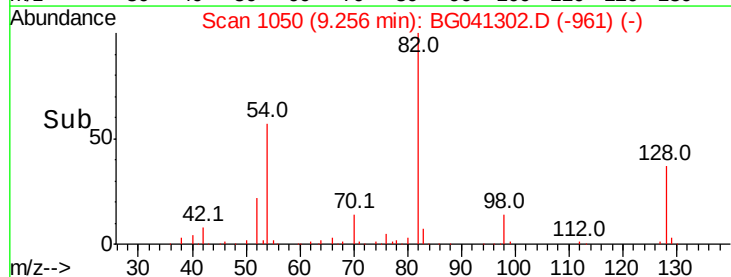


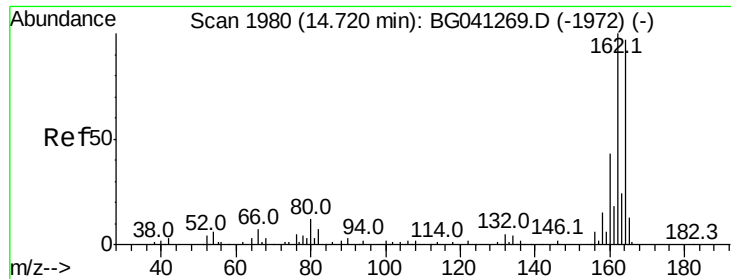
#23
Nitrobenzene-d5
Concen: 64.660 ng
RT: 9.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BG041302.D
Acq: 18 Jun 2019 18:06

Tgt Ion:	82	Resp:	218561
Ion	Ratio	Lower	Upper
82	100		
128	37.0	29.2	43.8
54	56.9	43.4	65.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

Instrument :

BNA_G

ClientSampled :

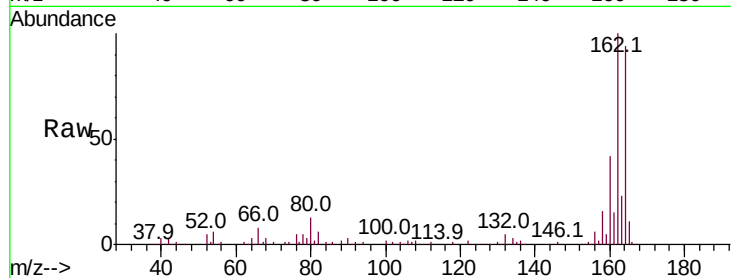
Tot Ion:164 Resp: 101601

Ion Ratio Lower Upper

164 100

162 106.7 82.8 124.2

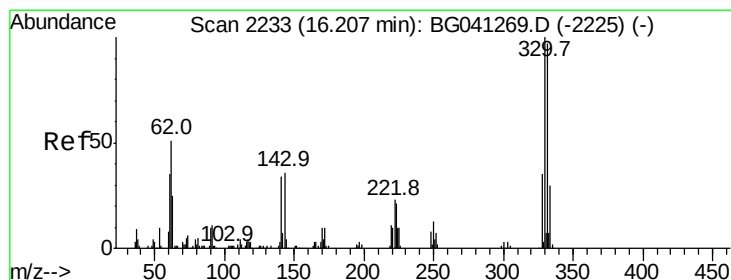
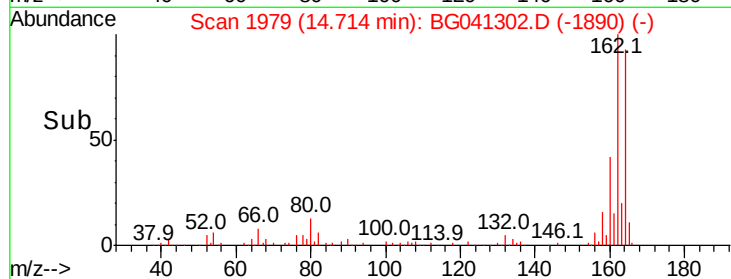
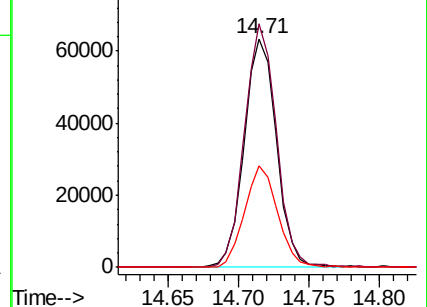
160 44.4 35.8 53.8



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: 61.662 ng

RT: 16.21 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

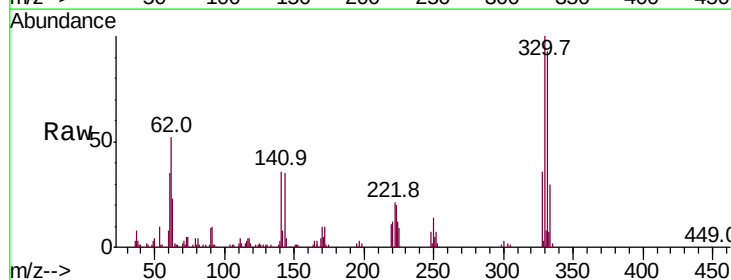
Tgt Ion:330 Resp: 96180

Ion Ratio Lower Upper

330 100

332 94.2 75.5 113.3

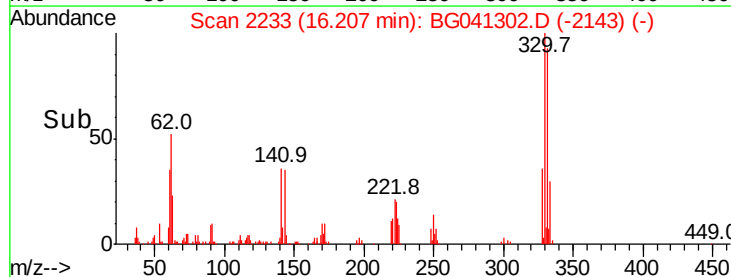
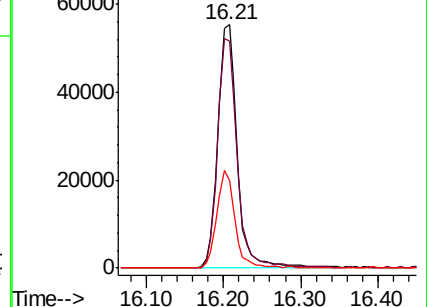
141 36.9 29.0 43.4

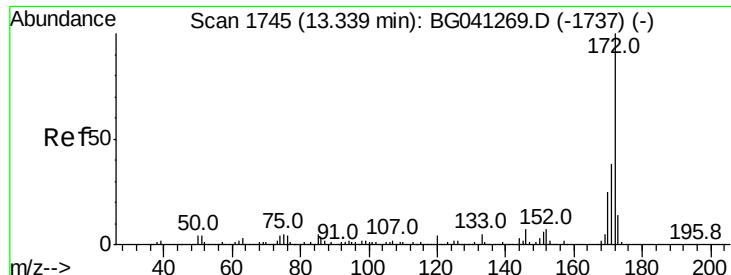


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

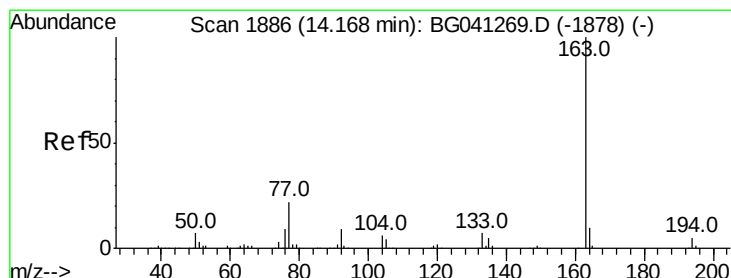
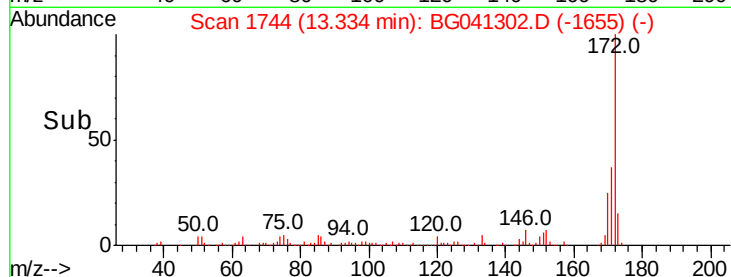
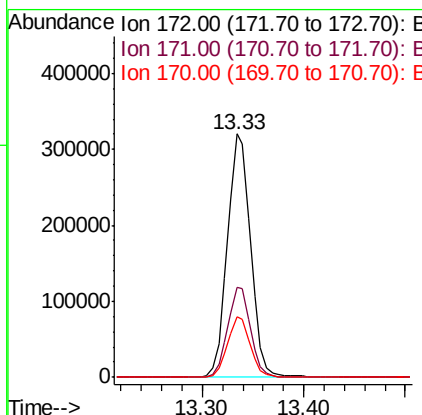
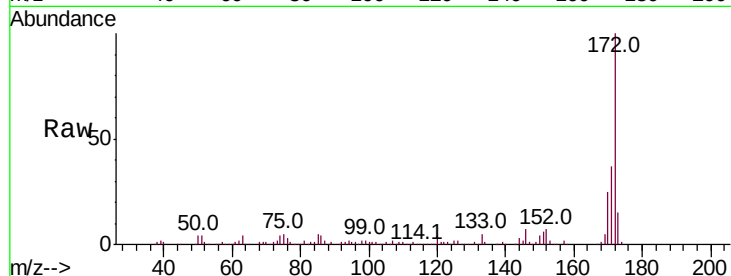




#45
2-Fluorobiphenyl
Concen: 67.966 ng
RT: 13.33 min Scan# 1744
Delta R.T. -0.01 min
Lab File: BG041302.D
Acq: 18 Jun 2019 18:06

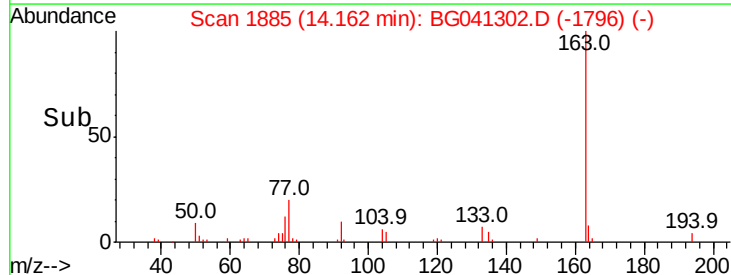
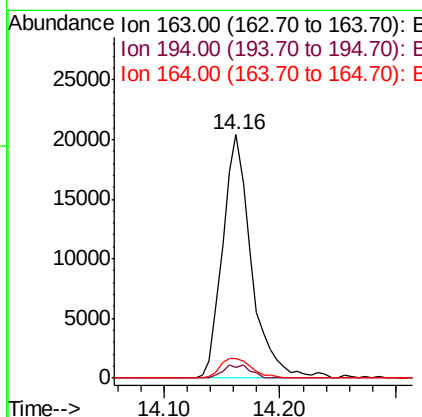
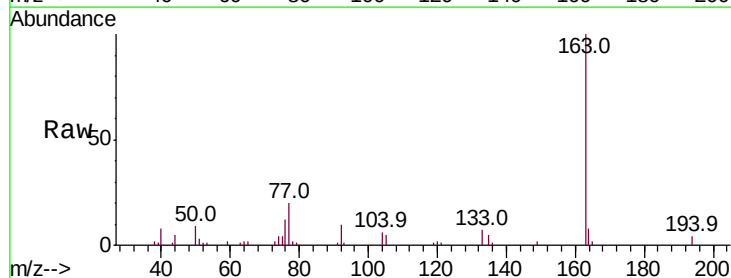
Instrument :
BNA_G
ClientSampleId :

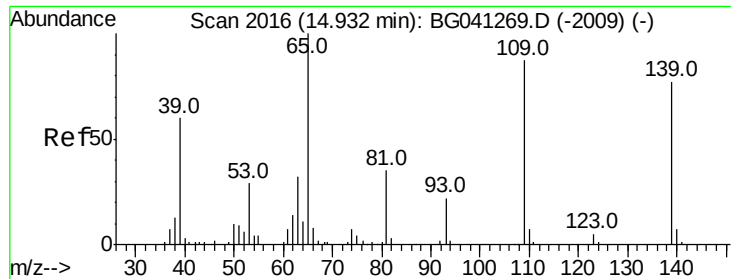
Tot Ion:172 Resp: 508063
Ion Ratio Lower Upper
172 100
171 37.1 30.0 45.0
170 24.7 19.8 29.6



#50
Dimethylphthalate
Concen: 3.897 ng
RT: 14.16 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BG041302.D
Acq: 18 Jun 2019 18:06

Tgt Ion:163 Resp: 35232
Ion Ratio Lower Upper
163 100
194 4.5 3.9 5.9
164 8.2 8.3 12.5#

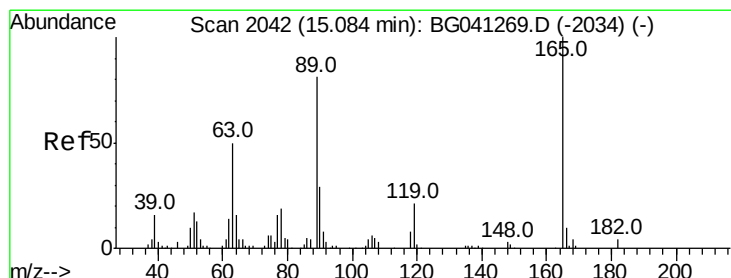
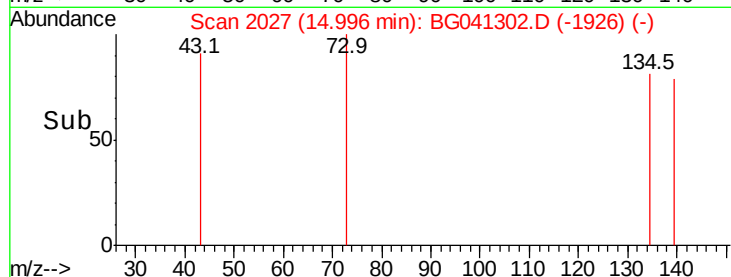
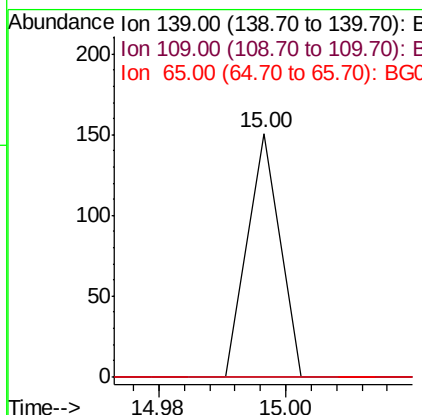
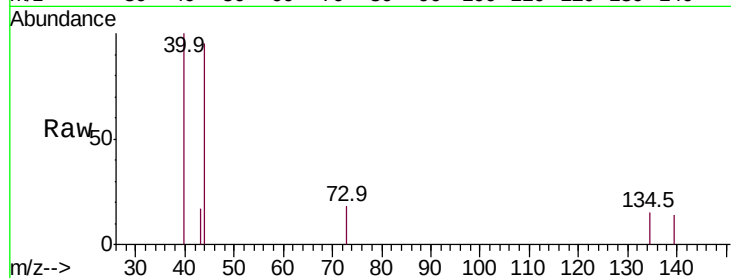




#56
 4-Nitrophenol
 Concen: 3.251 ng
 RT: 15.00 min Scan# 2027
 Delta R.T. 0.07 min
 Lab File: BG041302.D
 Acq: 18 Jun 2019 18:06

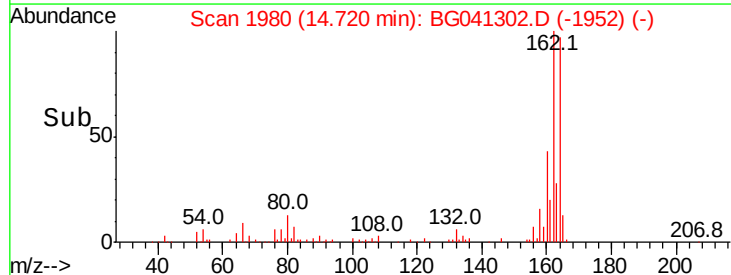
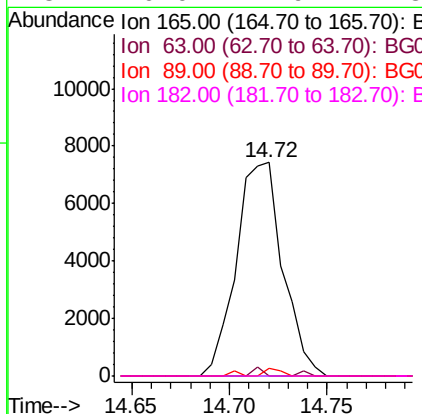
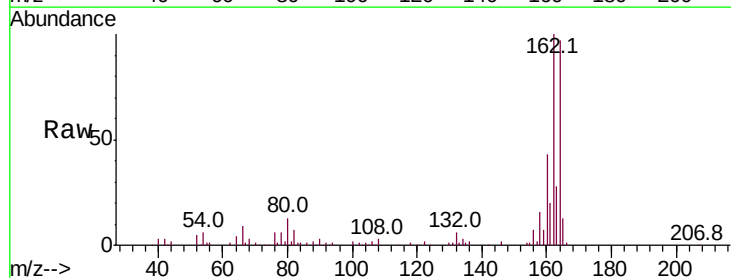
Instrument :
 BNA_G
 ClientSampleId :

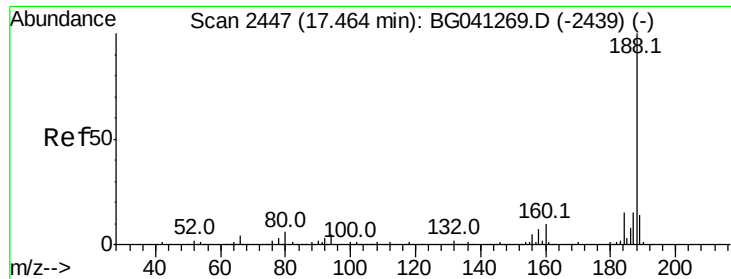
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	93.2	133.2#
65	0.0	110.2	150.2#



#57
 2,4-Dinitrotoluene
 Concen: 4.406 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. -0.36 min
 Lab File: BG041302.D
 Acq: 18 Jun 2019 18:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	3.8	64.6	96.8#
182	0.0	2.9	4.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

Instrument :

BNA_G

ClientSampleId :

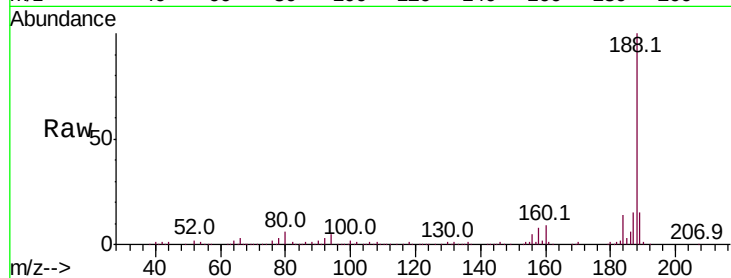
Tot Ion:188 Resp: 251646

Ion Ratio Lower Upper

188 100

94 4.7 3.6 5.4

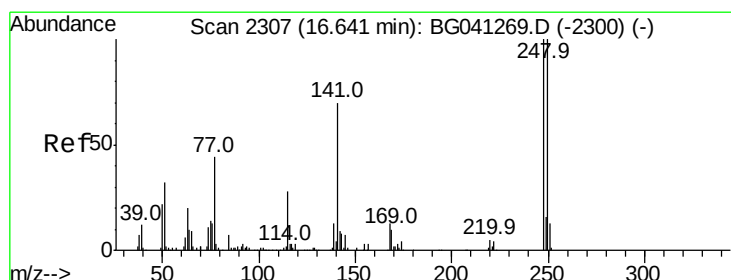
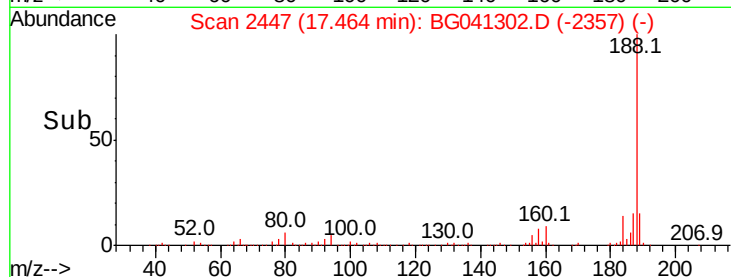
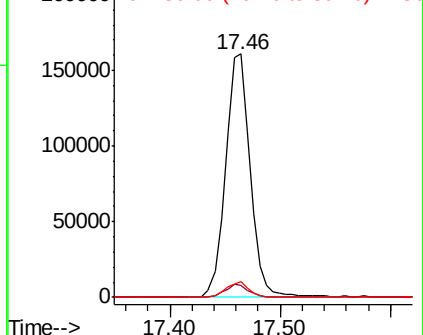
80 6.4 4.8 7.2



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



#67

4-Bromophenyl-phenylether

Concen: 2.112 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.44 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

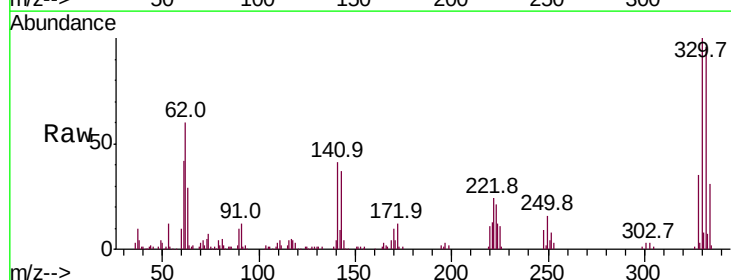
Tgt Ion:248 Resp: 6871

Ion Ratio Lower Upper

248 100

250 186.4 79.8 119.8#

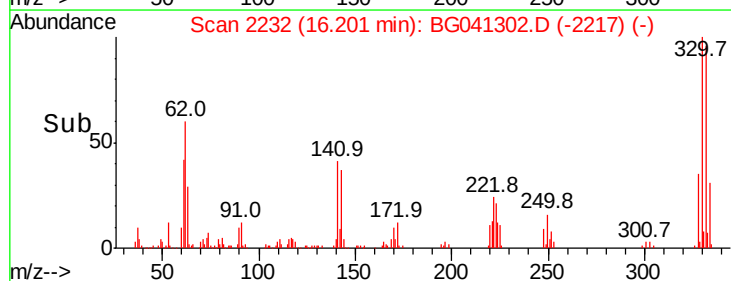
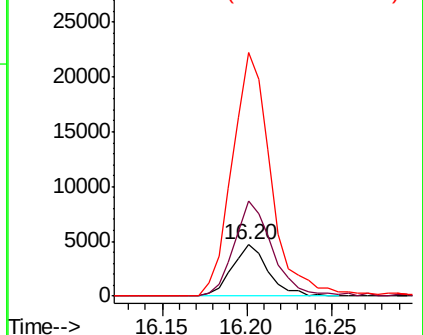
141 474.7 55.8 83.6#

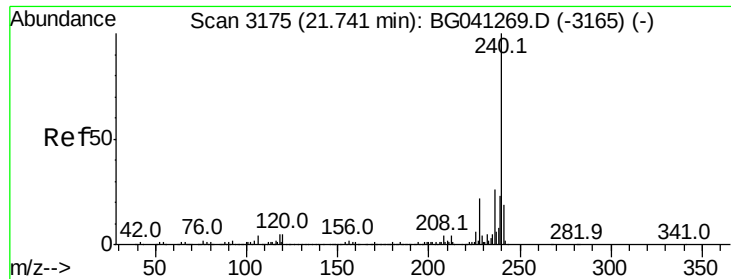


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

Instrument :

BNA_G

ClientSampleId :

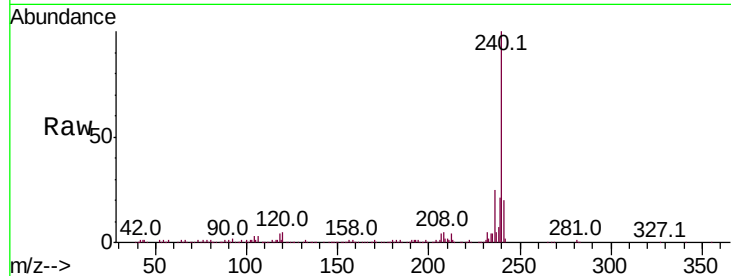
Tot Ion:240 Resp: 249640

Ion Ratio Lower Upper

240 100

120 4.6 3.7 5.5

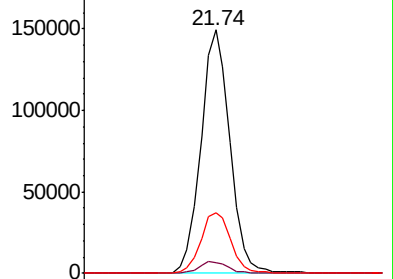
236 24.8 21.1 31.7



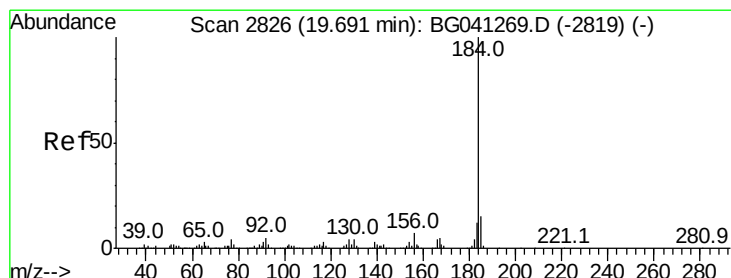
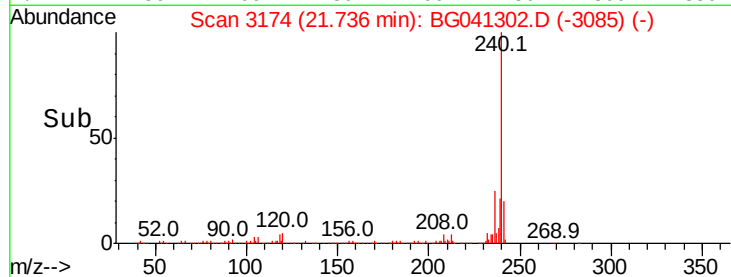
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Benzidine

Concen: 2.453 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.37 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

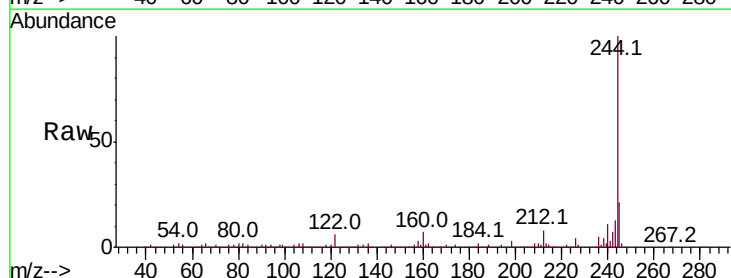
Tgt Ion:184 Resp: 14811

Ion Ratio Lower Upper

184 100

185 13.4 12.2 18.2

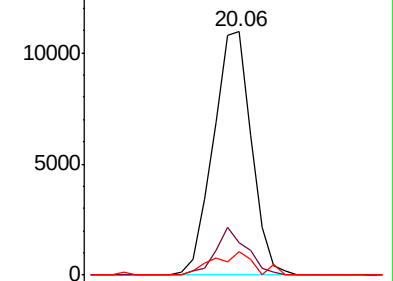
183 9.6 9.6 14.4#



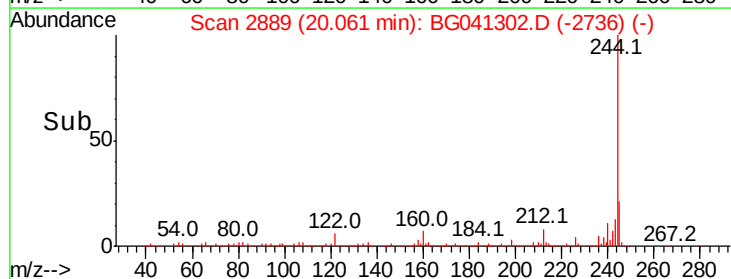
Abundance Ion 184.00 (183.70 to 184.70): E

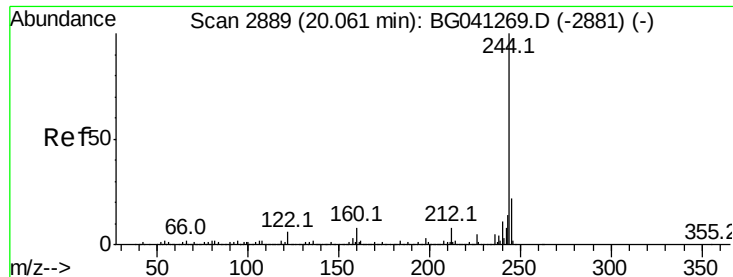
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 67.941 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

Instrument :

BNA_G

ClientSampleId :

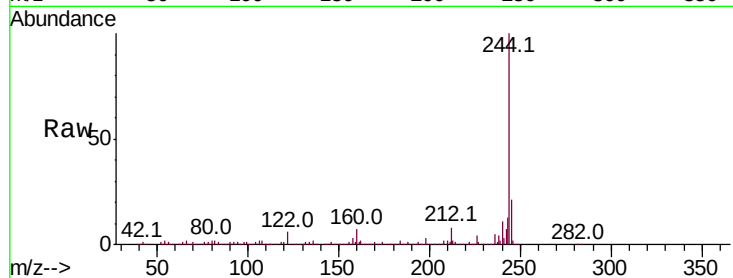
Tot Ion:244 Resp: 855831

Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

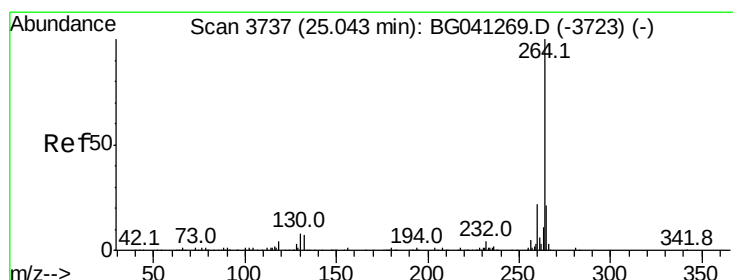
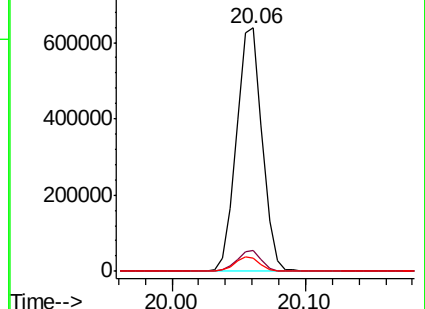
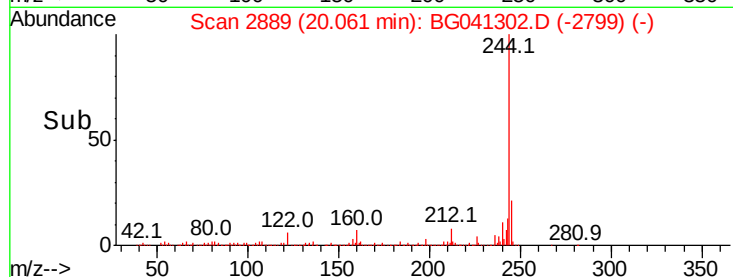
122 5.6 5.0 7.4



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: 25.05 min Scan# 3738

Delta R.T. 0.01 min

Lab File: BG041302.D

Acq: 18 Jun 2019 18:06

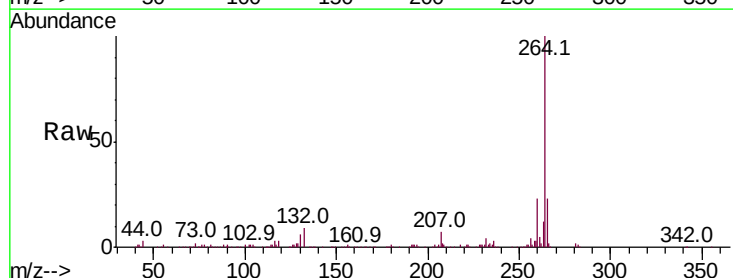
Tgt Ion:264 Resp: 265418

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.2

265 22.9 17.2 25.8



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

