

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042667.D
 Acq On : 1 Sep 2019 18:37
 Operator : HP/JU
 Sample : K4554-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 07:29:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

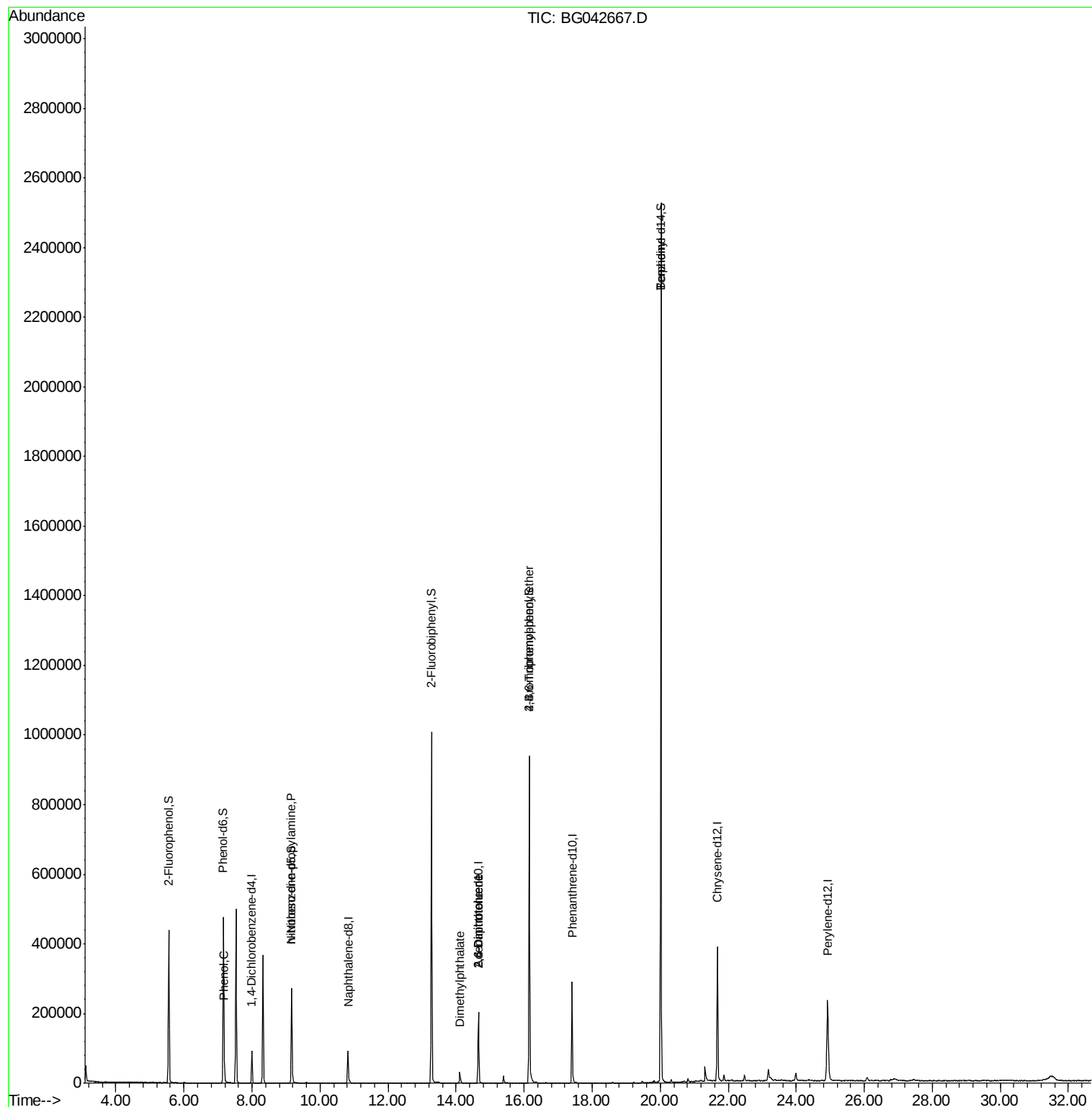
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	29329	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	112487	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	88171	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	220560	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	257433	20.00	ng	-0.01
87) Perylene-d12	24.92	264	301500	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	222823	153.87	ng	0.00
7) Phenol-d6	7.16	99	320506	163.85	ng	-0.01
23) Nitrobenzene-d5	9.16	82	179294	110.15	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	251614	200.78	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	619184	118.77	ng	0.00
79) Terphenyl-d14	20.02	244	1339966	112.53	ng	0.00
Target Compounds						
10) Phenol	7.19	94	18297	9.200	ng	87
19) n-Nitroso-di-n-propylamine	9.16	70	22691	17.905	ng	# 76
50) Dimethylphthalate	14.11	163	38284	6.018	ng	99
51) 2,6-Dinitrotoluene	14.66	165	11441	7.759	ng	# 38
57) 2,4-Dinitrotoluene	14.66	165	11441	5.418	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	16886	6.036	ng	# 1
77) Benzidine	20.02	184	17172	2.327	ng	# 94

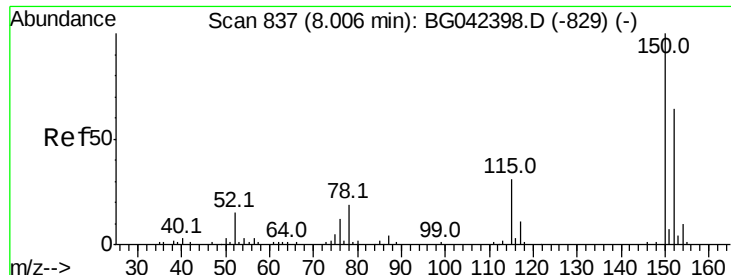
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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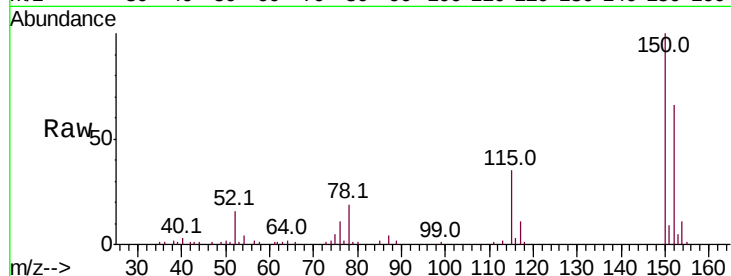


#1

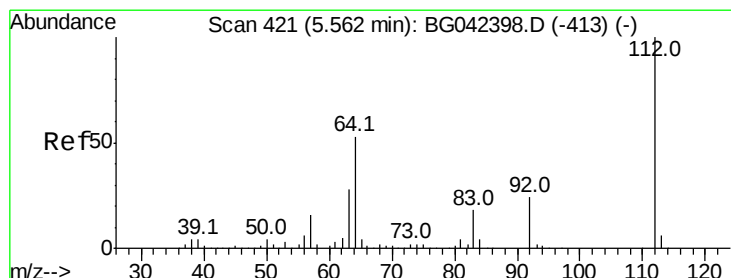
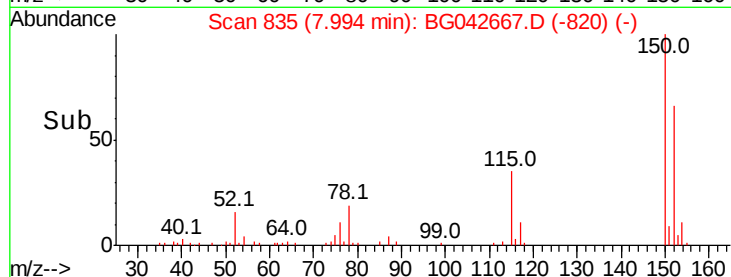
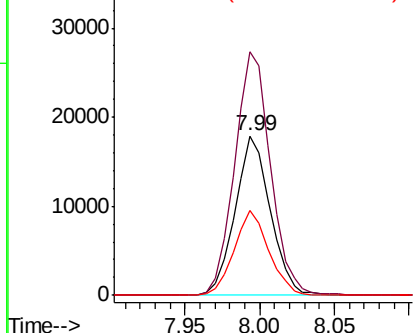
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042667.D
Acq: 1 Sep 2019 18:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 29329
Ion Ratio Lower Upper
152 100
150 152.6 125.4 188.0
115 53.6 38.5 57.7



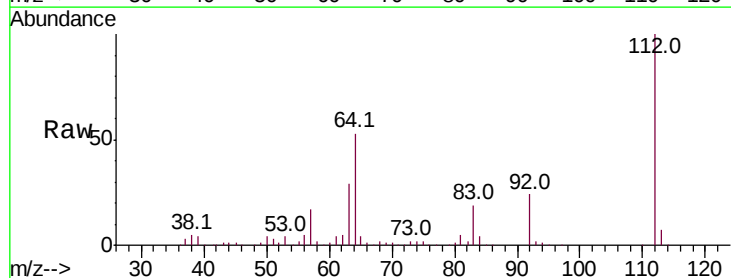
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



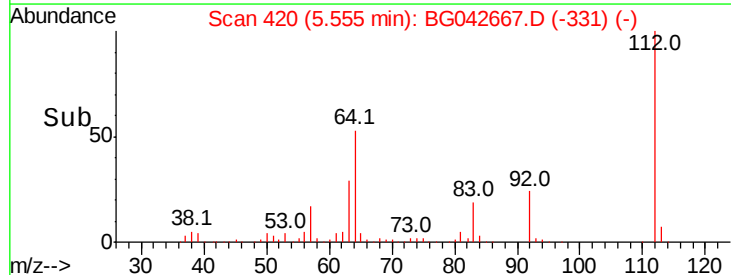
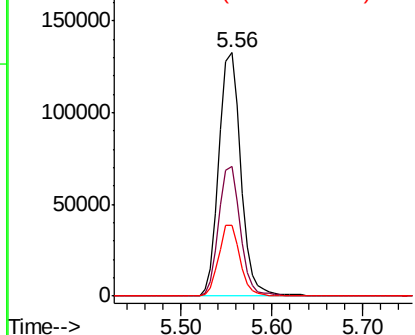
#5

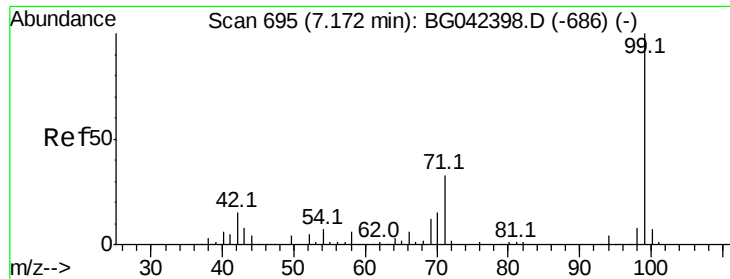
2-Fluorophenol
Concen: 153.869 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.01 min
Lab File: BG042667.D
Acq: 1 Sep 2019 18:37

Tgt Ion:112 Resp: 222823
Ion Ratio Lower Upper
112 100
64 53.3 42.8 64.2
63 29.1 22.7 34.1



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: 163.849 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042667.D

Acq: 1 Sep 2019 18:37

Instrument :

BNA_G

ClientSampled :

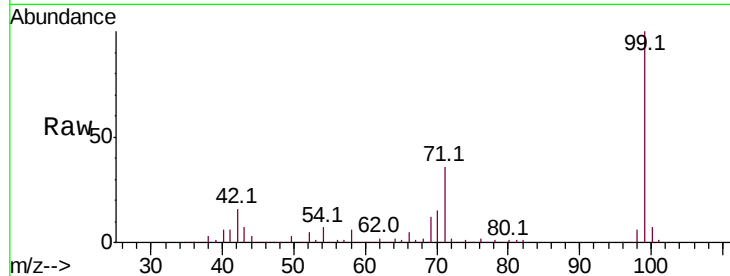
Tot Ion: 99 Resp: 320506

Ion Ratio Lower Upper

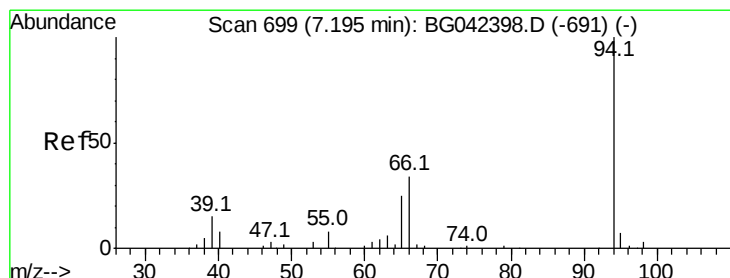
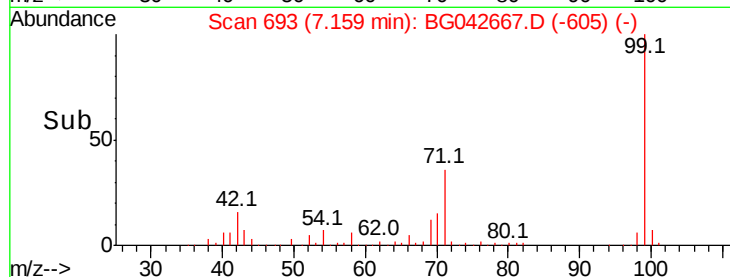
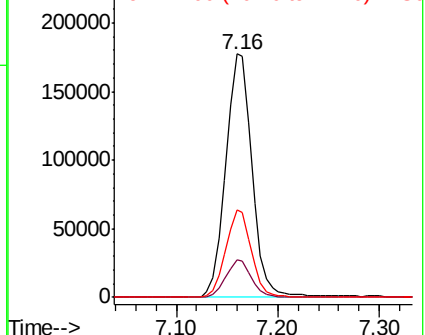
99 100

42 15.6 12.0 18.0

71 36.0 26.3 39.5



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



#10

Phenol

Concen: 9.200 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042667.D

Acq: 1 Sep 2019 18:37

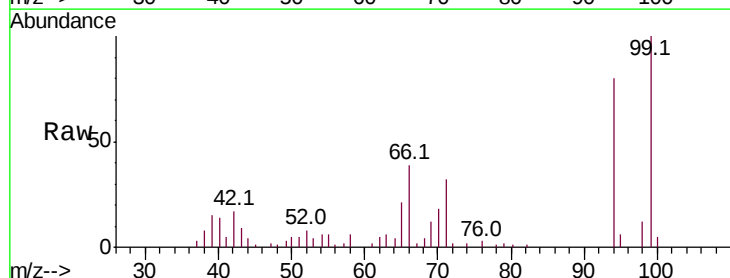
Tgt Ion: 94 Resp: 18297

Ion Ratio Lower Upper

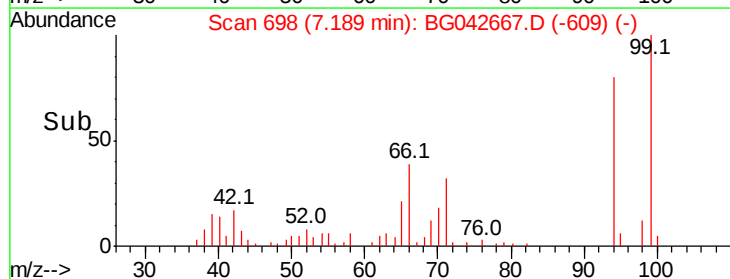
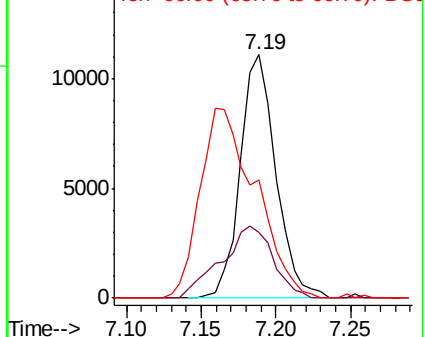
94 100

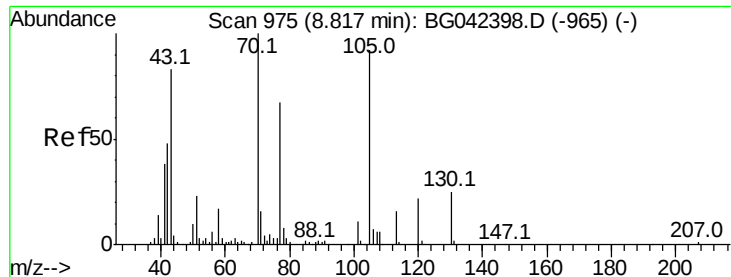
65 26.7 5.6 45.6

66 48.3 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 17.905 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042667.D

Acq: 1 Sep 2019 18:37

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 22691

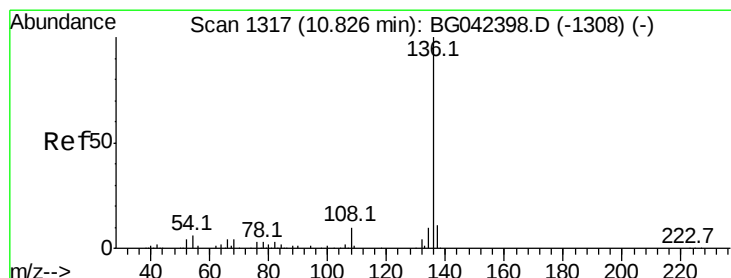
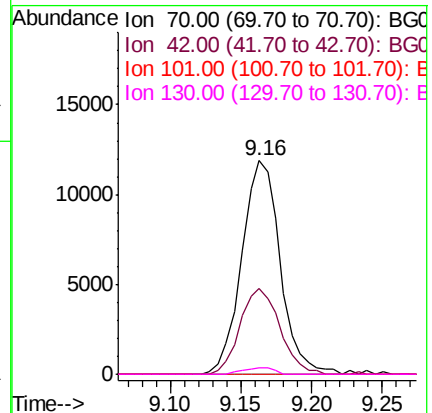
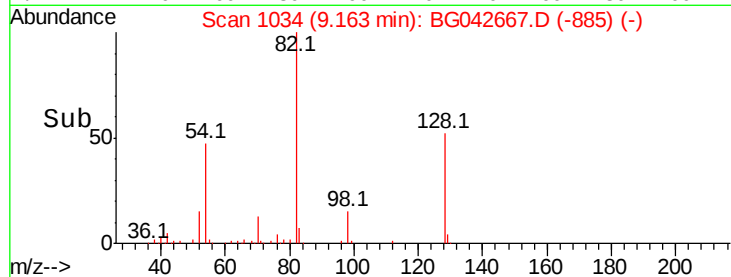
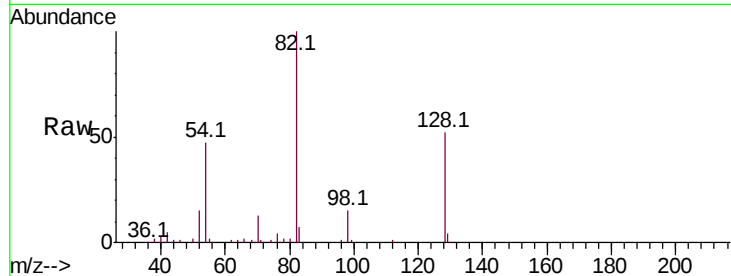
Ion Ratio Lower Upper

70 100

42 40.4 38.8 58.2

101 0.0 9.0 13.6#

130 2.8 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042667.D

Acq: 1 Sep 2019 18:37

Tgt Ion: 136 Resp: 112487

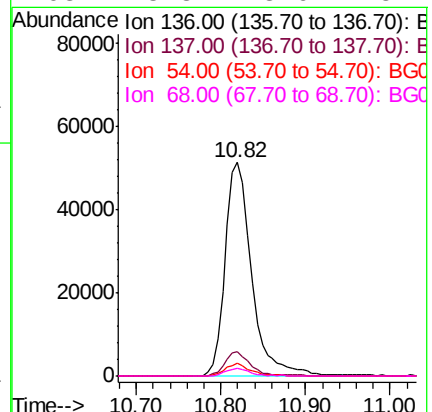
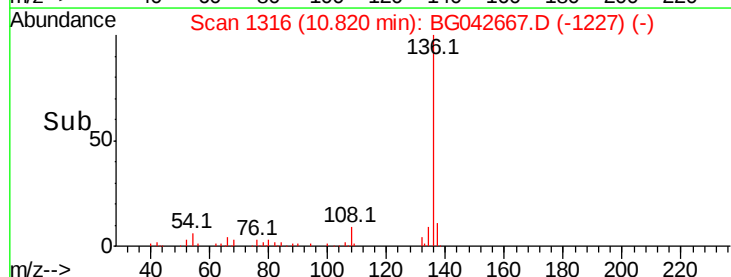
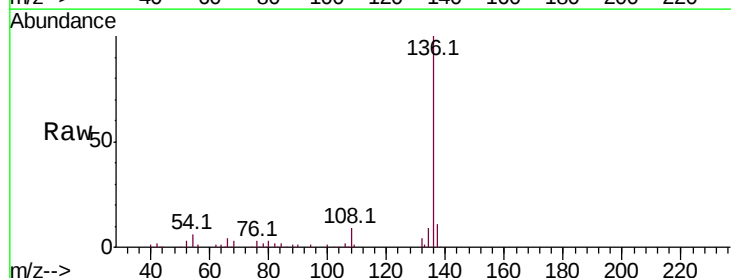
Ion Ratio Lower Upper

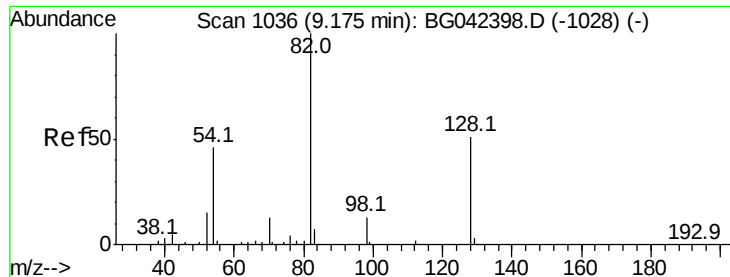
136 100

137 11.1 8.7 13.1

54 5.9 4.9 7.3

68 3.3 3.6 5.4#

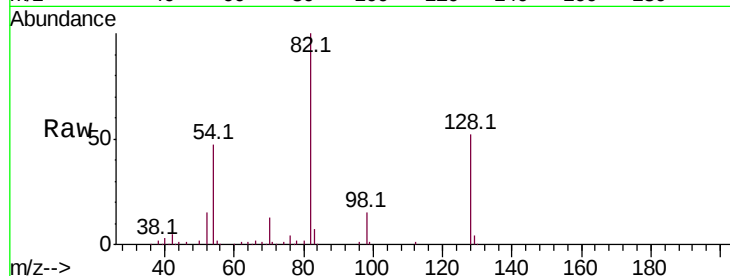




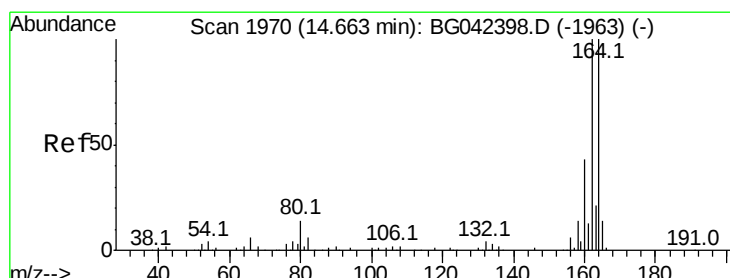
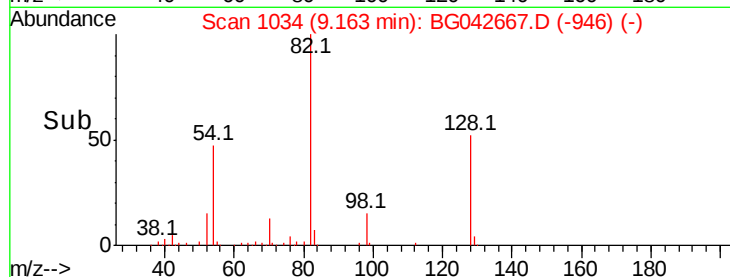
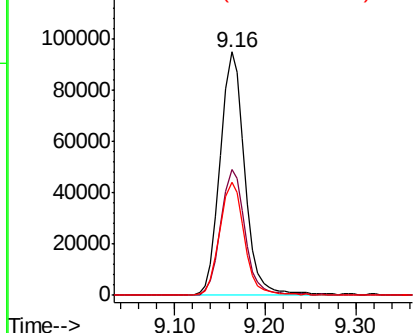
#23
Nitrobenzene-d5
Concen: 110.145 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042667.D
Acq: 1 Sep 2019 18:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 179294
Ion Ratio Lower Upper
82 100
128 51.6 40.7 61.1
54 46.6 36.3 54.5

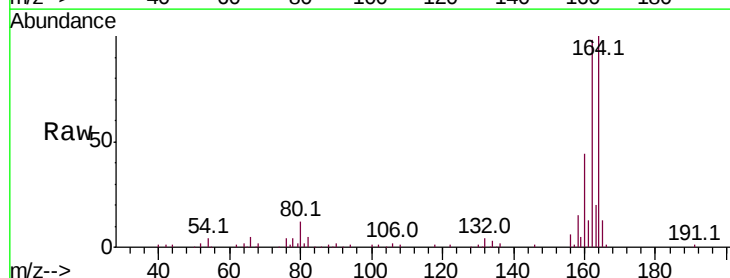


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

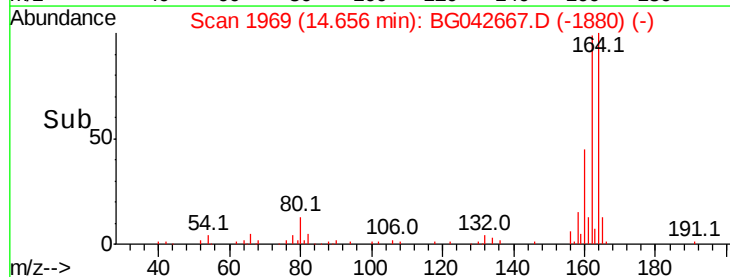
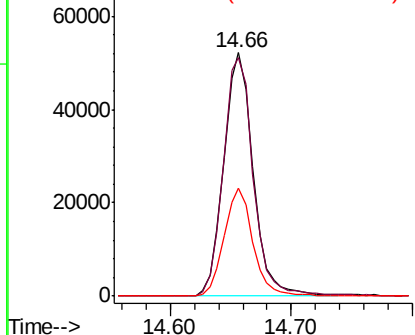


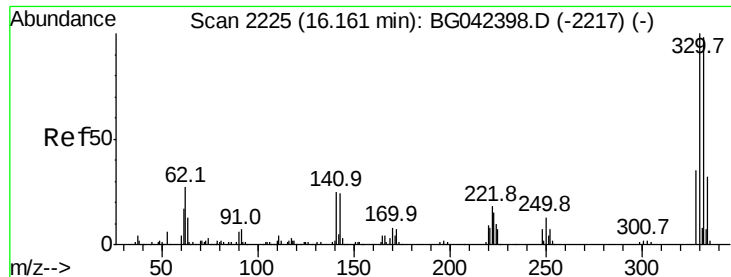
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042667.D
Acq: 1 Sep 2019 18:37

Tgt Ion:164 Resp: 88171
Ion Ratio Lower Upper
164 100
162 97.9 79.9 119.9
160 44.4 34.3 51.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

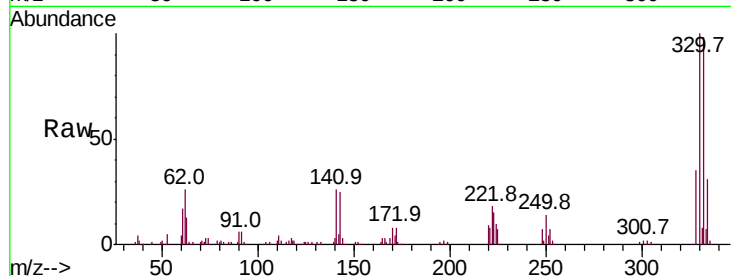




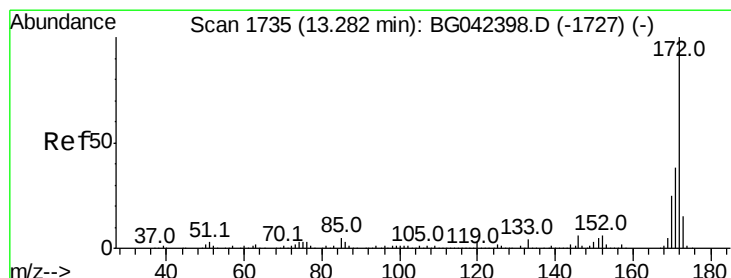
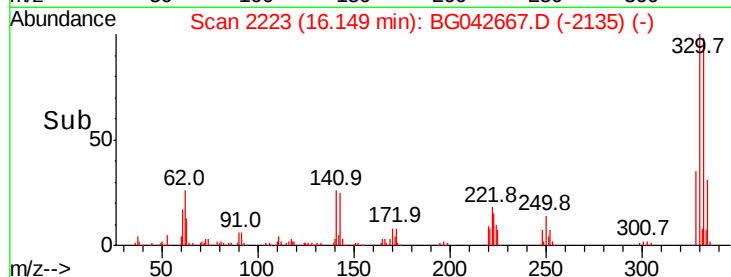
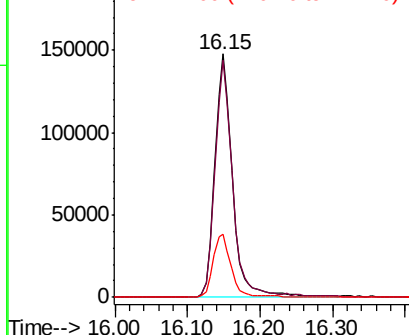
#42
 2,4,6-Tribromophenol
 Concen: 200.776 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG042667.D
 Acq: 1 Sep 2019 18:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.4	116.0
141	26.6	21.4	32.0

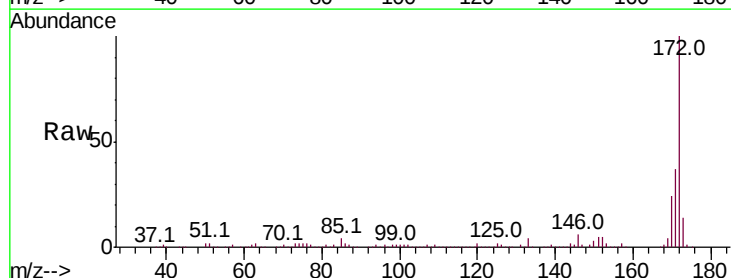


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

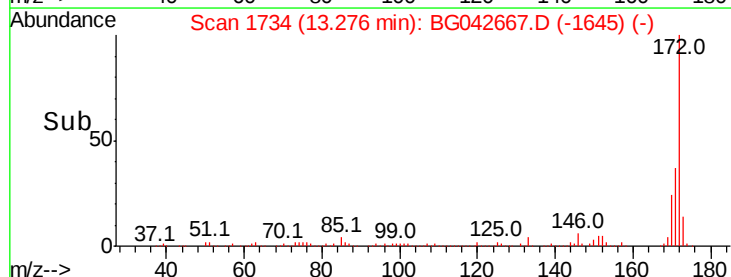
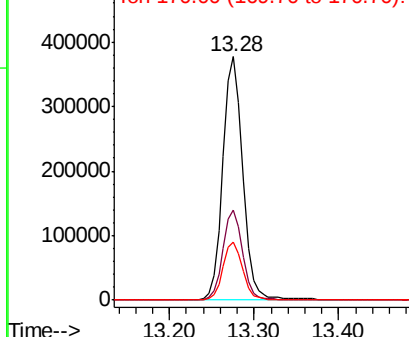


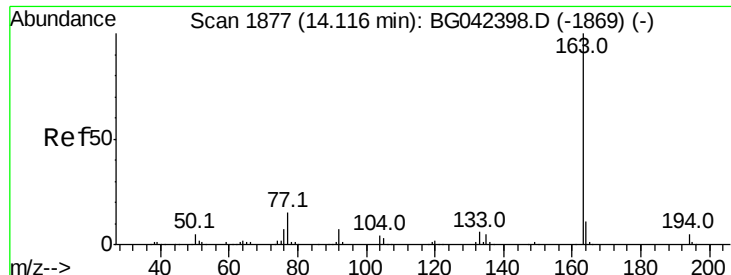
#45
 2-Fluorobiphenyl
 Concen: 118.771 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042667.D
 Acq: 1 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.5	45.7
170	23.7	20.2	30.2



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





#50

Dimethylphthalate

Concen: 6.018 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042667.D

Acq: 1 Sep 2019 18:37

Instrument :

BNA_G

ClientSampleId :

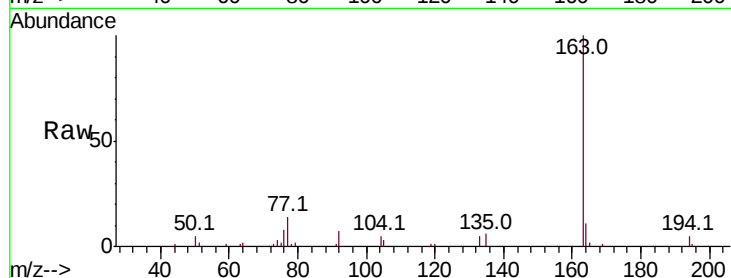
Tot Ion:163 Resp: 38284

Ion Ratio Lower Upper

163 100

194 4.7 4.2 6.2

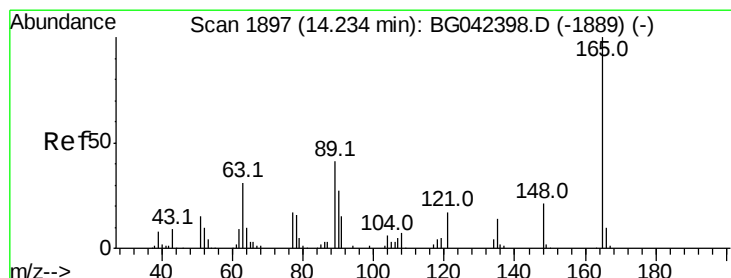
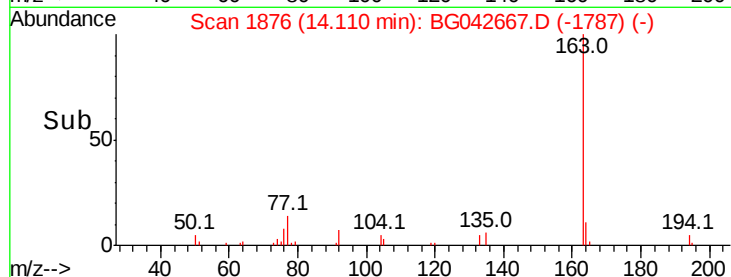
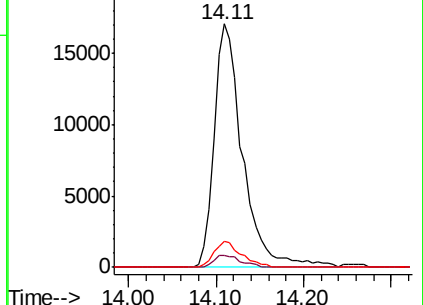
164 10.8 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 7.759 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.42 min

Lab File: BG042667.D

Acq: 1 Sep 2019 18:37

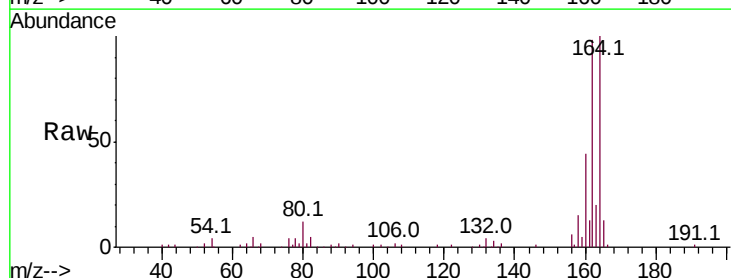
Tgt Ion:165 Resp: 11441

Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

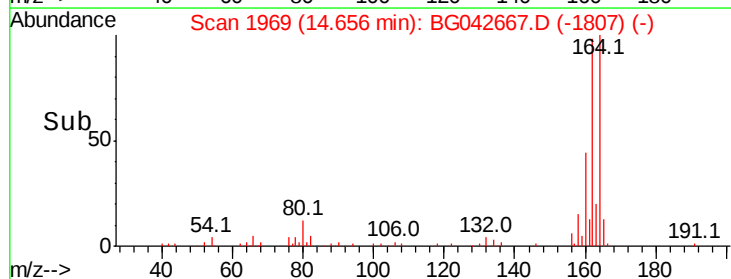
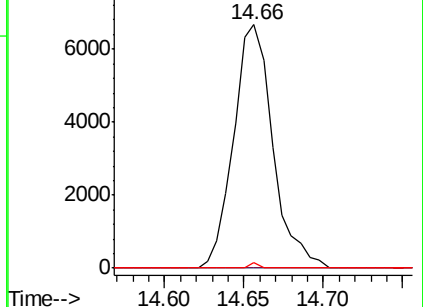
89 2.3 32.6 49.0#

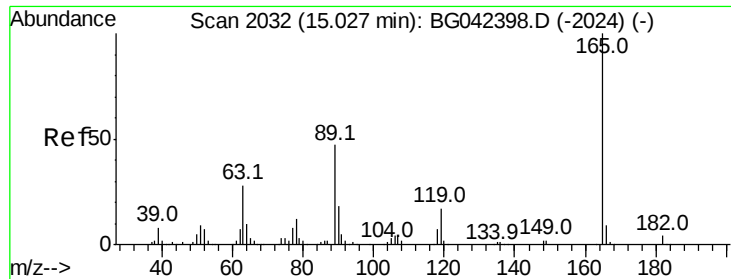


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

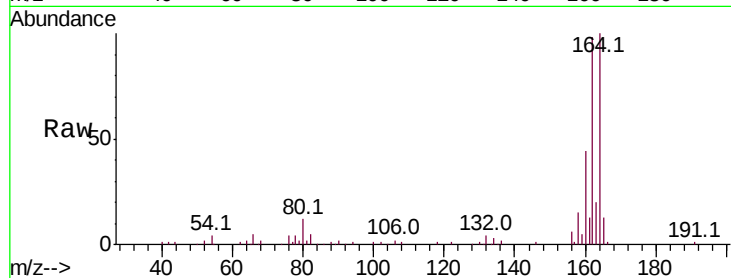




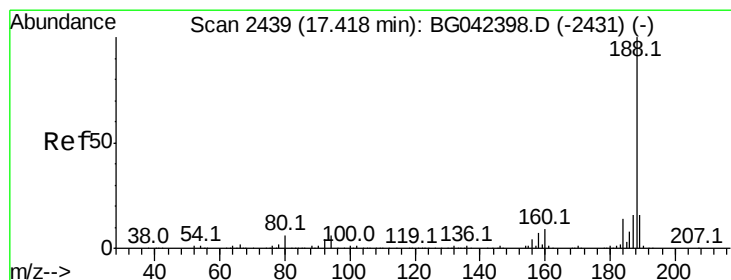
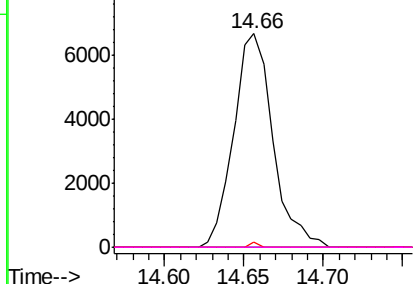
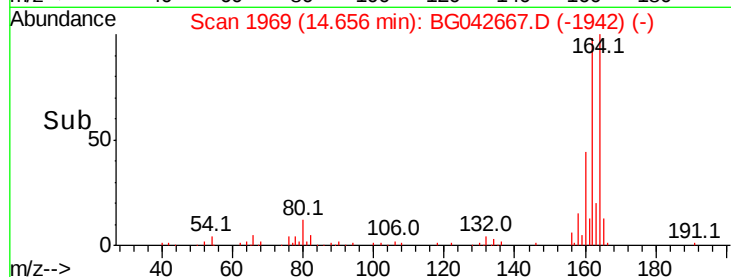
#57
 2,4-Dinitrotoluene
 Concen: 5.418 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042667.D
 Acq: 1 Sep 2019 18:37

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 11441
 Ion Ratio Lower Upper
 165 100
 63 0.0 22.5 33.7#
 89 2.3 37.8 56.6#
 182 0.0 3.0 4.4#

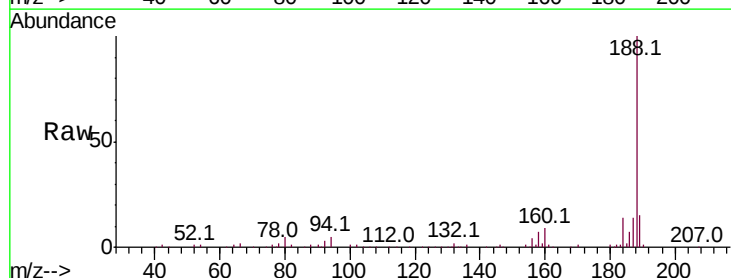


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

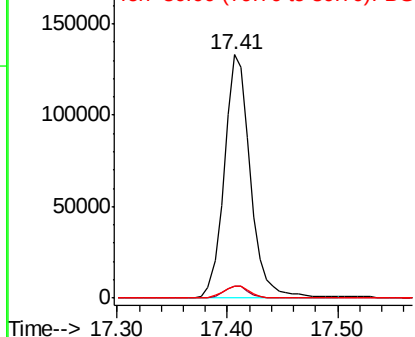
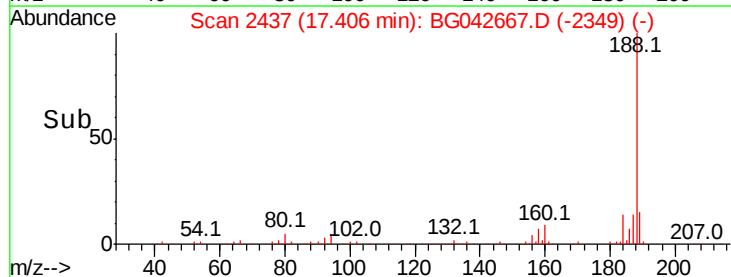


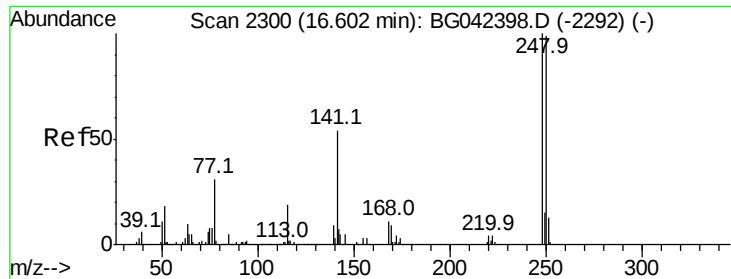
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042667.D
 Acq: 1 Sep 2019 18:37

Tgt Ion:188 Resp: 220560
 Ion Ratio Lower Upper
 188 100
 94 5.0 4.5 6.7
 80 5.1 4.9 7.3



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

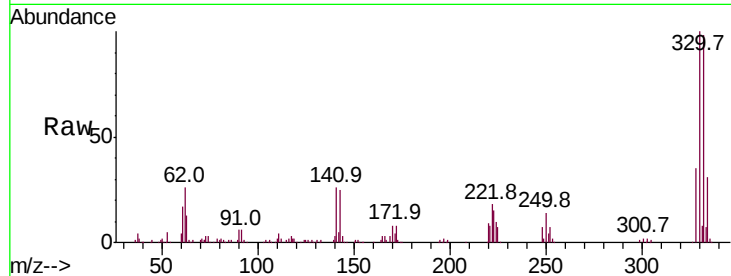




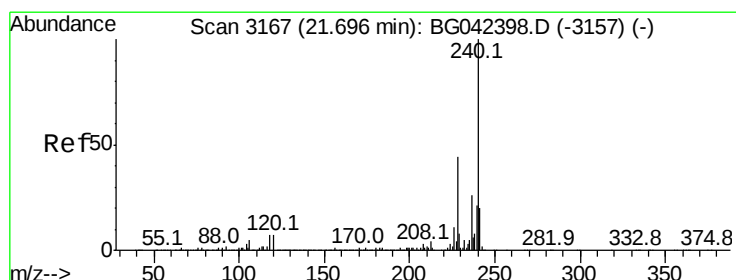
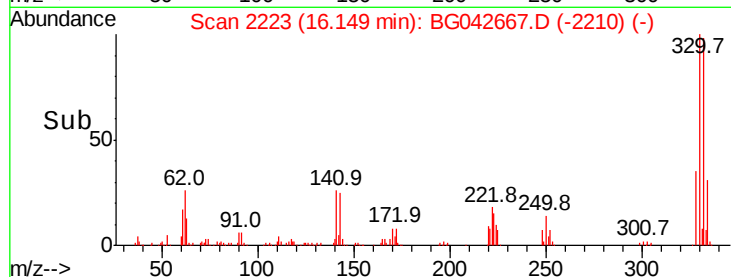
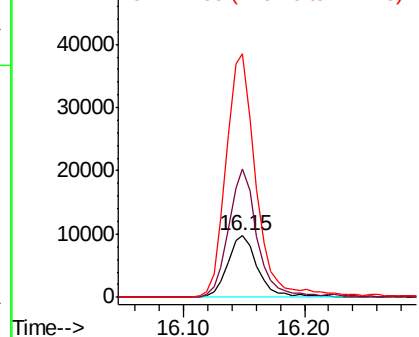
#67
4-Bromophenyl-phenylether
Concen: 6.036 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.45 min
Lab File: BG042667.D
Acq: 1 Sep 2019 18:37

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 16886
Ion Ratio Lower Upper
248 100
250 208.6 78.9 118.3#
141 395.6 43.3 64.9#

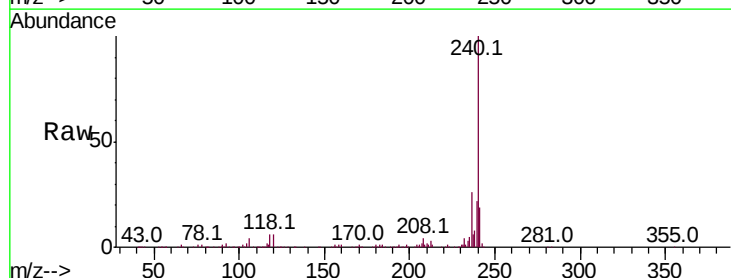


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

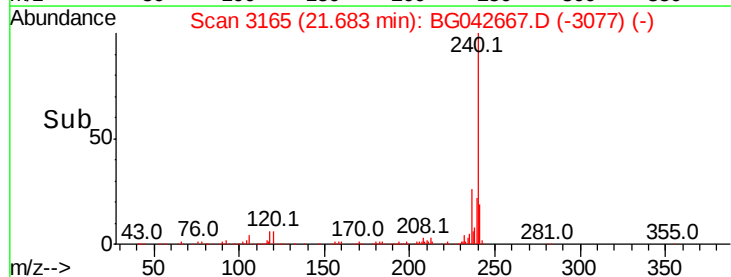
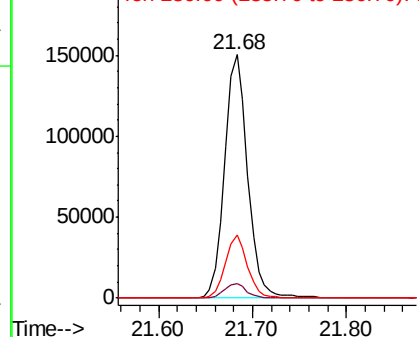


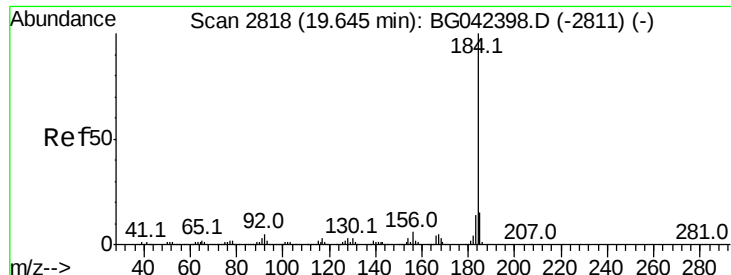
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042667.D
Acq: 1 Sep 2019 18:37

Tgt Ion:240 Resp: 257433
Ion Ratio Lower Upper
240 100
120 5.8 5.7 8.5
236 26.0 21.0 31.4



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: 2.327 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.38 min

Lab File: BG042667.D

Acq: 1 Sep 2019 18:37

Instrument :

BNA_G

ClientSampleId :

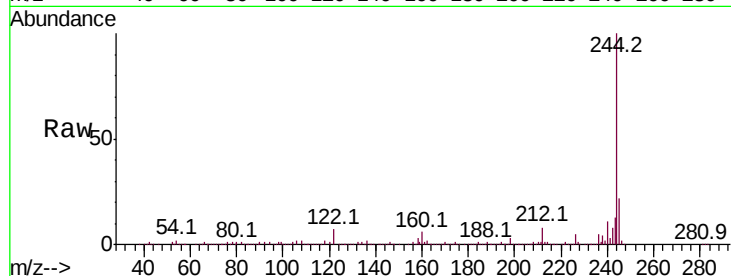
Tot Ion:184 Resp: 17172

Ion Ratio Lower Upper

184 100

185 17.1 12.2 18.4

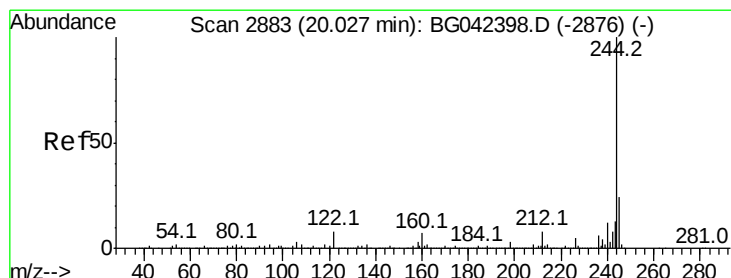
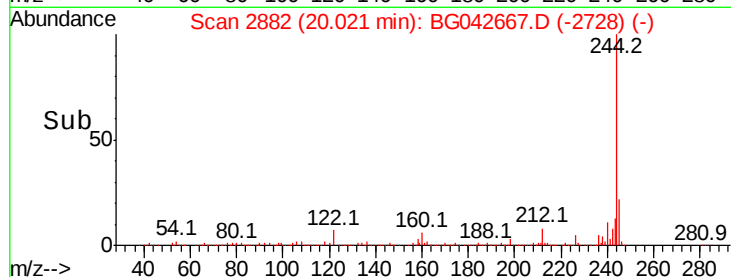
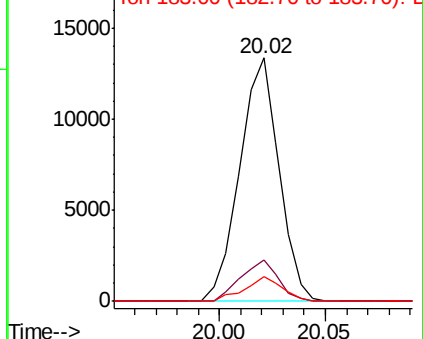
183 10.2 10.8 16.2#



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: 112.530 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042667.D

Acq: 1 Sep 2019 18:37

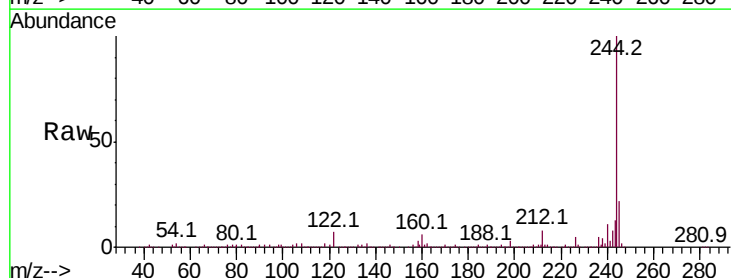
Tgt Ion:244 Resp: 1339966

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

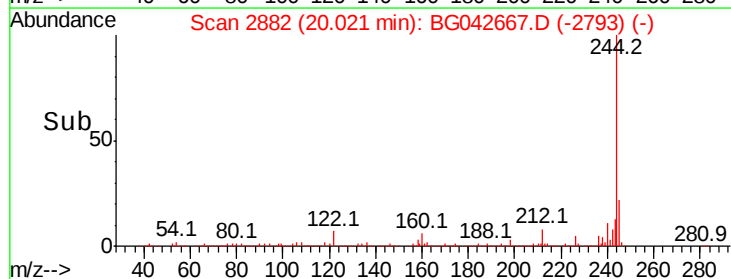
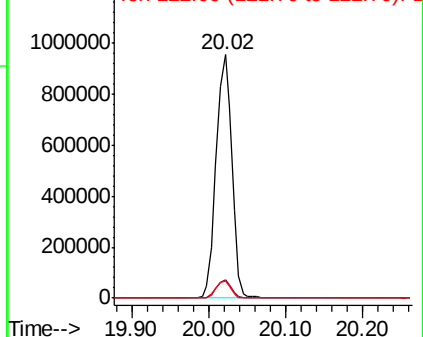
122 7.3 6.7 10.1

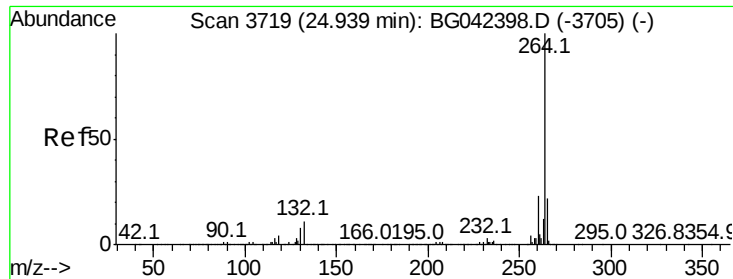


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.92 min Scan# 3716
Delta R.T. -0.02 min
Lab File: BG042667.D
Acq: 1 Sep 2019 18:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	20.8	17.6	26.4

