

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062519\
 Data File : BG041447.D
 Acq On : 25 Jun 2019 17:08
 Operator : HP/JU
 Sample : K3482-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Jun 26 04:20:42 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	8.04	152	36513	20.00	ng	-0.04
21) Naphthalene-d8	10.86	136	133383	20.00	ng	-0.05
39) Acenaphthene-d10	14.68	164	96431	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	259099	20.00	ng	-0.04
76) Chrysene-d12	21.70	240	283049	20.00	ng	-0.04
87) Perylene-d12	24.98	264	299059	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	194311	97.78	ng	-0.04
7) Phenol-d6	7.20	99	245454	85.21	ng	-0.04
23) Nitrobenzene-d5	9.22	82	223013	70.32	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	167395	113.07	ng	-0.04
45) 2-Fluorobiphenyl	13.30	172	526409	74.20	ng	-0.04
79) Terphenyl-d14	20.03	244	1085698	76.02	ng	-0.03

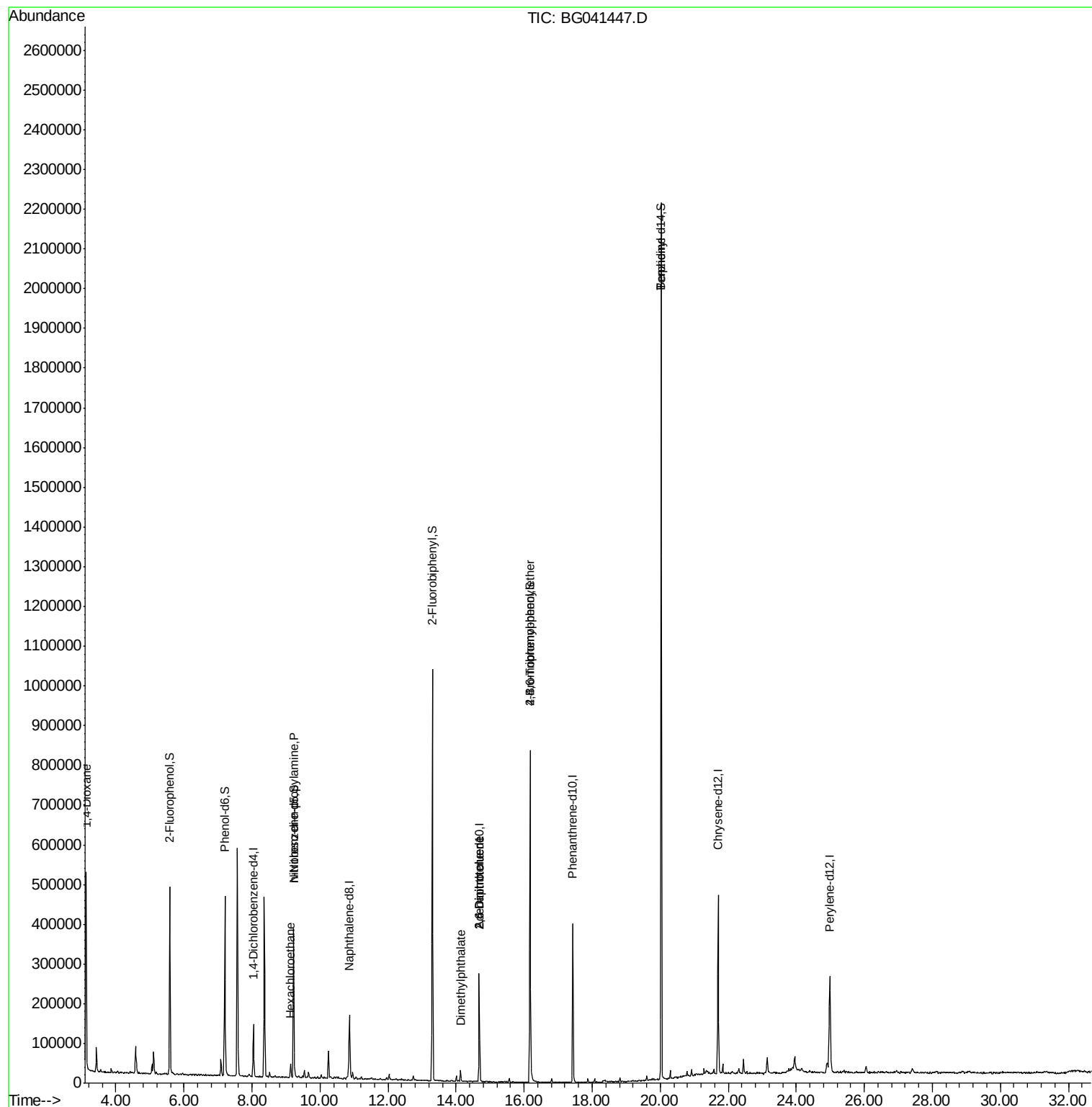
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	5480	5.499	ng	# 1
18) Hexachloroethane	9.14	117	3529	2.982	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	31998	13.735	ng	# 75
50) Dimethylphthalate	14.13	163	22820	2.660	ng	# 99
51) 2,6-Dinitrotoluene	14.68	165	12413	6.861	ng	# 15
57) 2,4-Dinitrotoluene	14.68	165	12413	4.694	ng	# 18
67) 4-Bromophenyl-phenylether	16.17	248	11649	3.477	ng	# 1
77) Benzidine	20.03	184	18662	2.726	ng	# 93

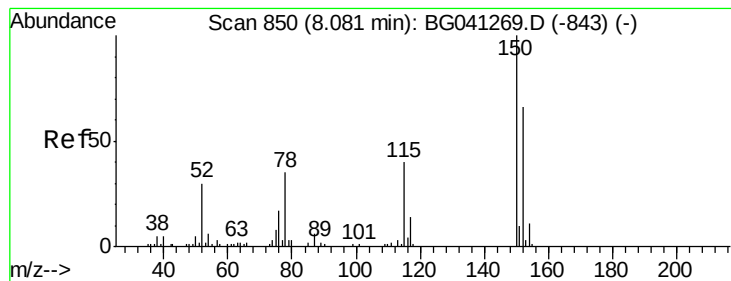
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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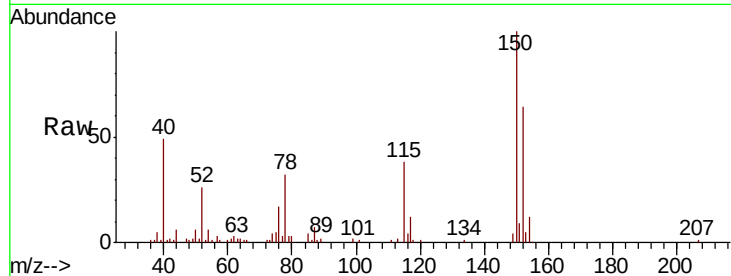


#1

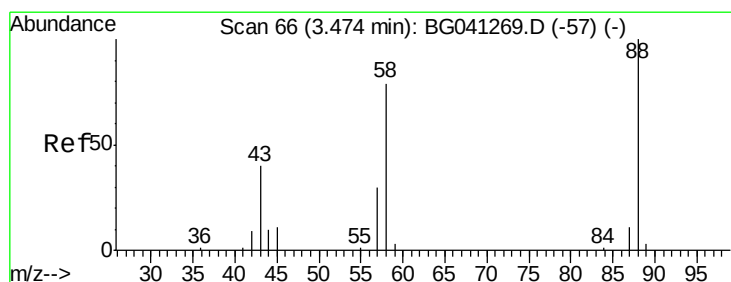
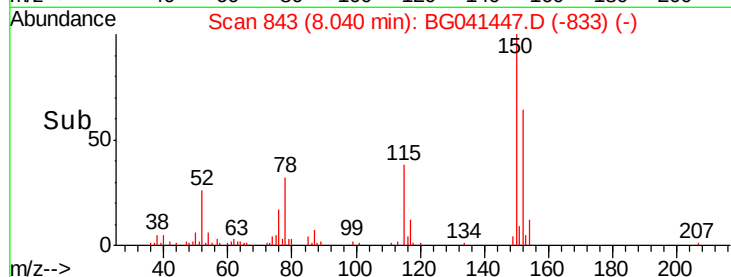
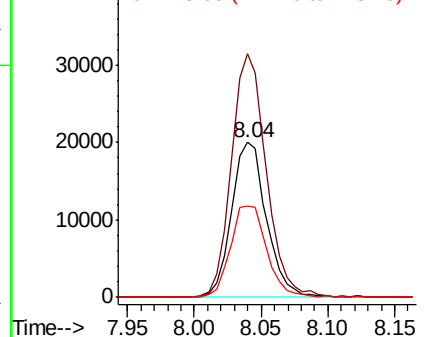
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041447.D
Acq: 25 Jun 2019 17:08

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:152 Resp: 36513
Ion Ratio Lower Upper
152 100
150 156.8 120.6 181.0
115 58.9 47.9 71.9



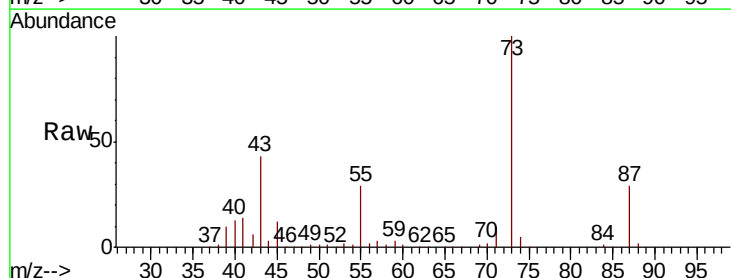
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



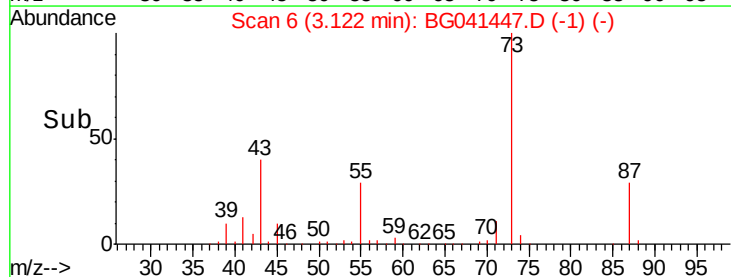
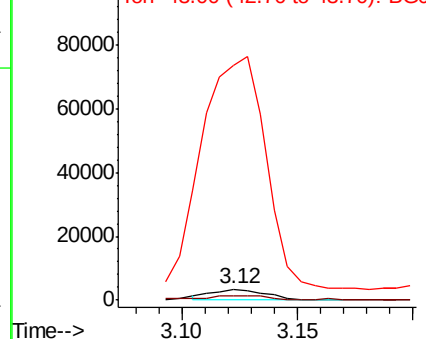
#2

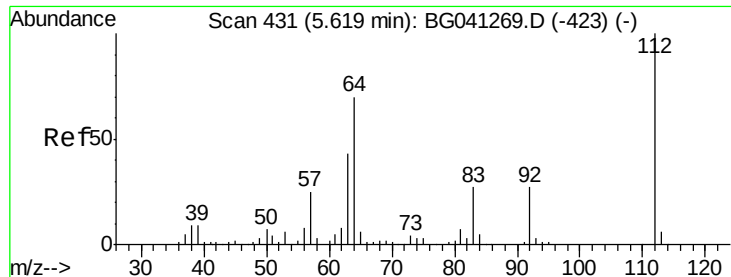
1,4-Dioxane
Concen: 5.499 ng
RT: 3.12 min Scan# 6
Delta R.T. -0.35 min
Lab File: BG041447.D
Acq: 25 Jun 2019 17:08

Tgt Ion: 88 Resp: 5480
Ion Ratio Lower Upper
88 100
58 43.4 59.7 89.5#
43 2287.1 31.9 47.9#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 97.782 ng

RT: 5.58 min Scan# 425

Delta R.T. -0.04 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

Instrument :

BNA_G

ClientSampleId :

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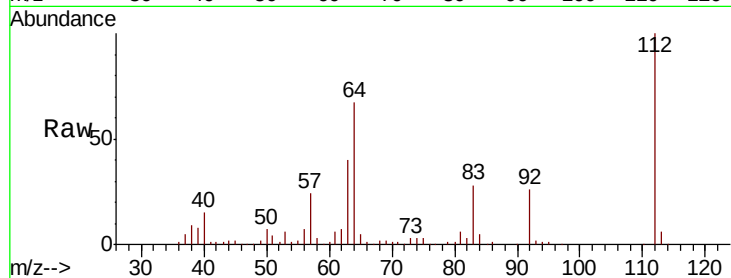
Tgt Ion: 112 Resp: 194311

Ion Ratio Lower Upper

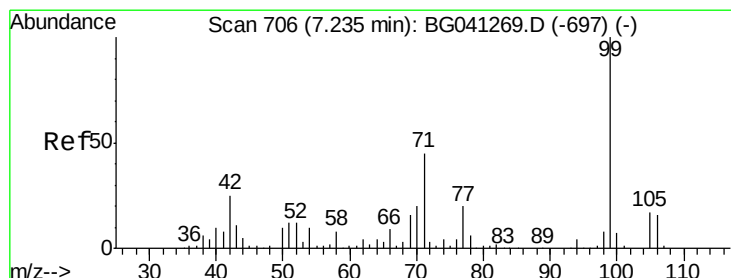
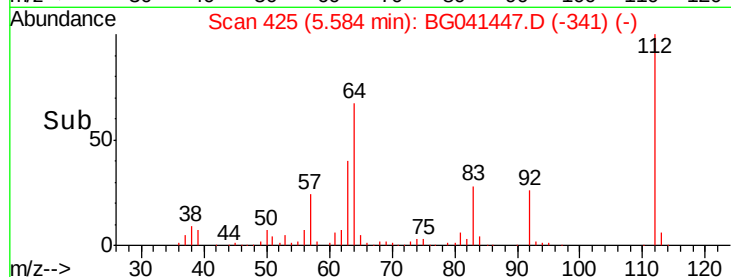
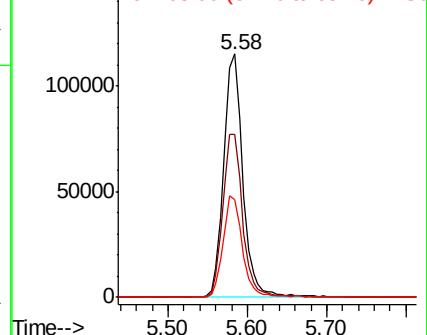
112 100

64 66.7 55.9 83.9

63 40.2 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 85.214 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.04 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

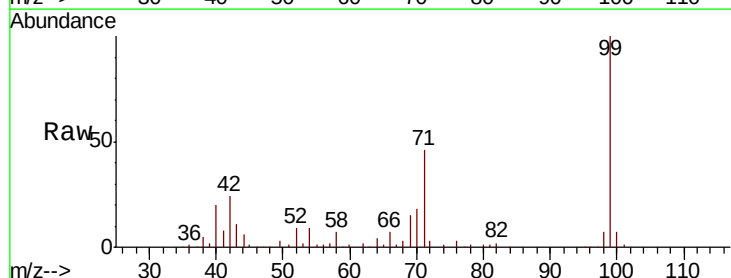
Tgt Ion: 99 Resp: 245454

Ion Ratio Lower Upper

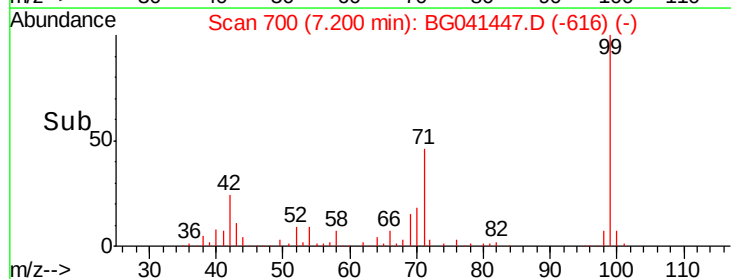
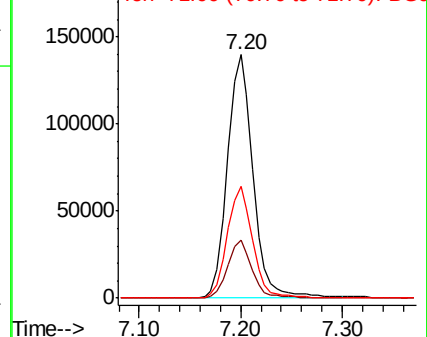
99 100

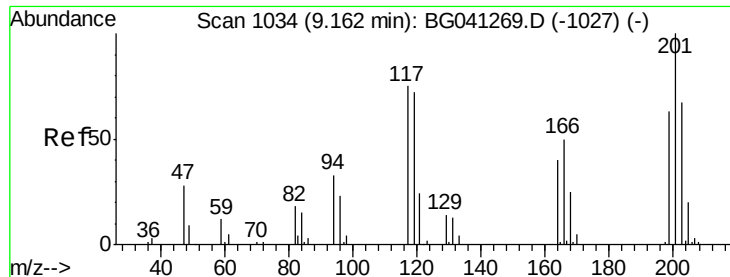
42 23.9 19.9 29.9

71 46.1 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





#18

Hexachloroethane

Concen: 2.982 ng

RT: 9.14 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

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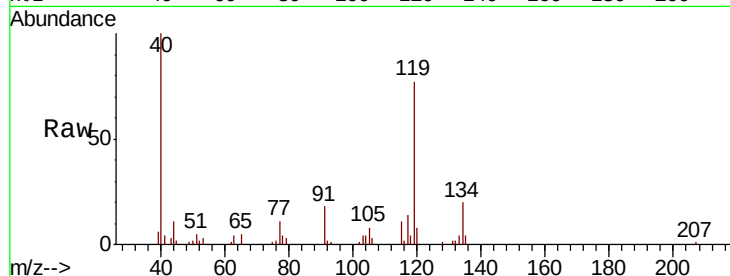
Tgt Ion: 117 Resp: 3529

Ion Ratio Lower Upper

117 100

119 536.7 76.8 115.2#

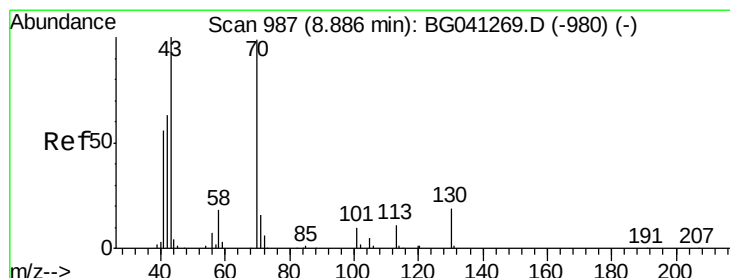
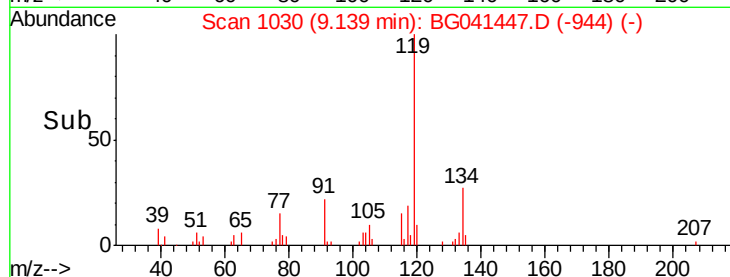
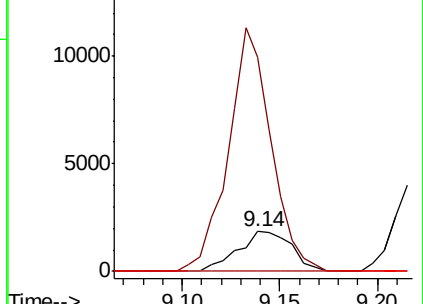
201 0.0 106.3 159.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 13.735 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

Tgt Ion: 70 Resp: 31998

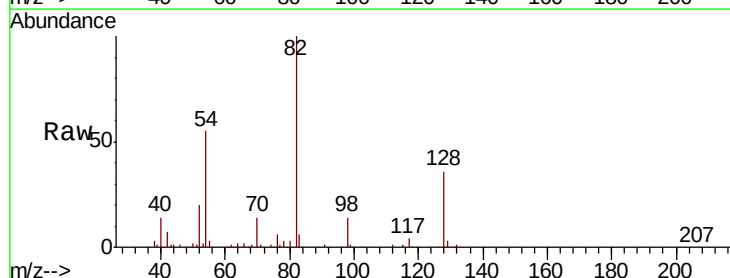
Ion Ratio Lower Upper

70 100

42 48.1 51.4 77.2#

101 0.0 8.2 12.2#

130 1.8 15.2 22.8#

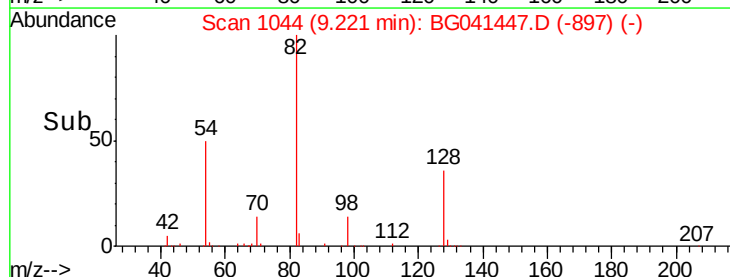
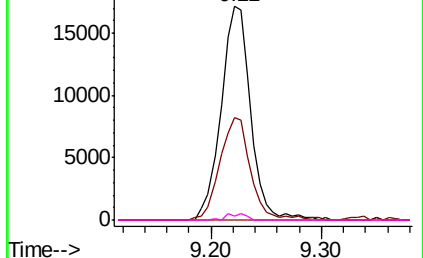


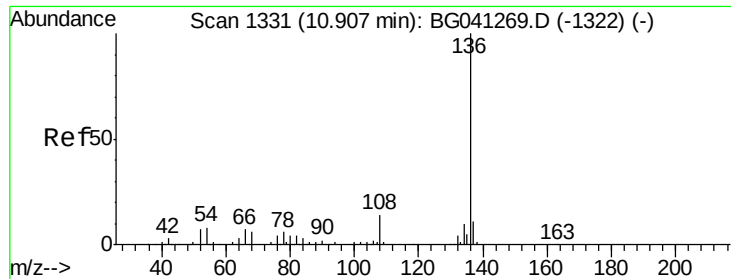
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

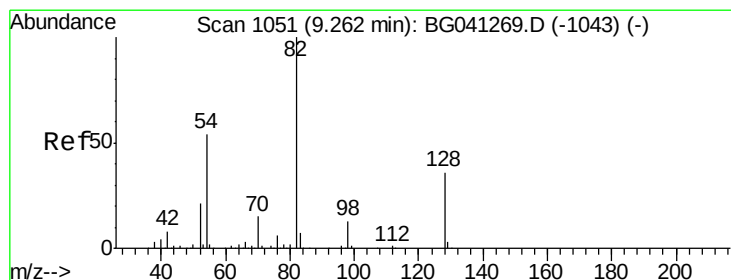
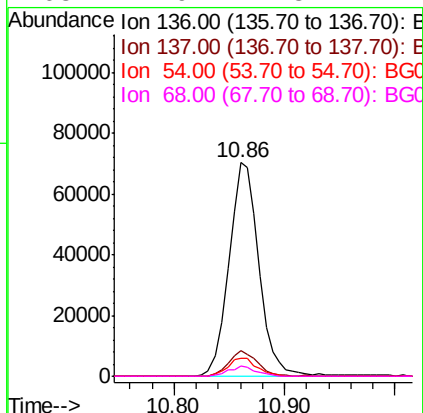
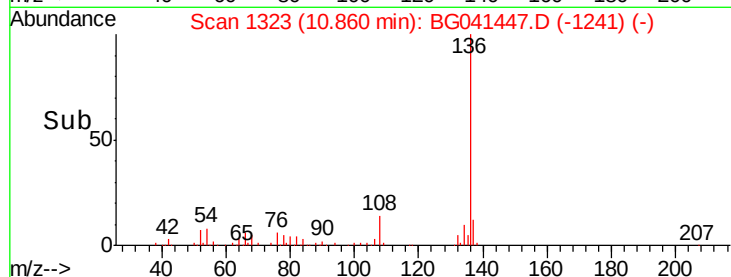
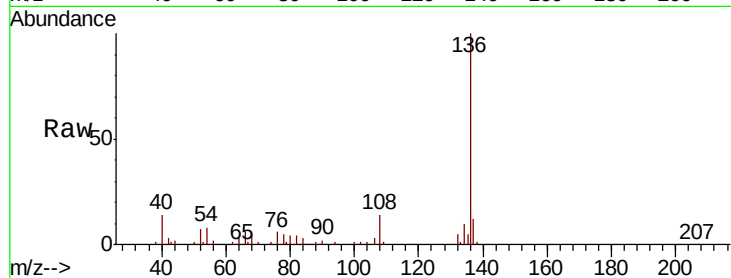




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.05 min
Lab File: BG041447.D
Acq: 25 Jun 2019 17:08

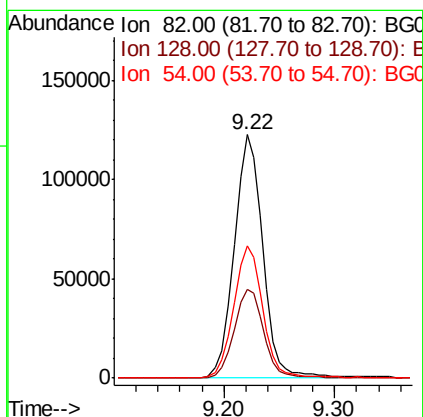
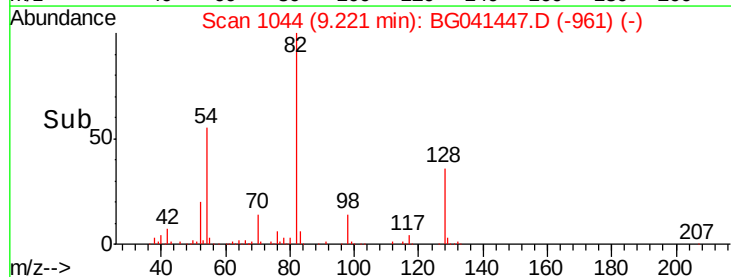
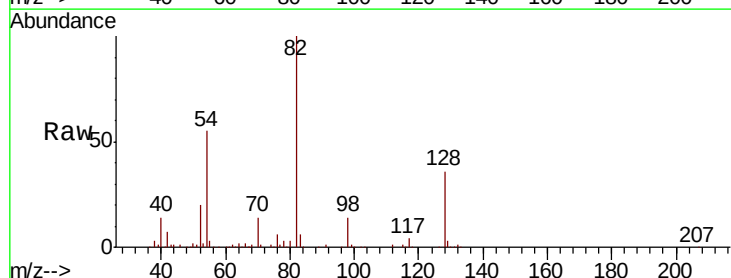
Instrument :
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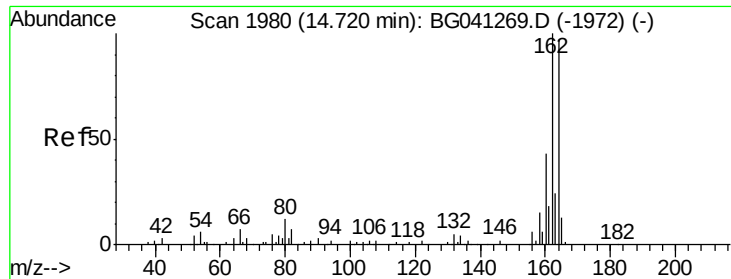
Tgt Ion:	136	Resp:	133383
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	8.4	6.4	9.6
68	4.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 70.317 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041447.D
Acq: 25 Jun 2019 17:08

Tgt Ion:	82	Resp:	223013
Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.2	43.8
54	54.6	43.4	65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.04 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

Instrument :

BNA_G

ClientSampleId :

TP-3

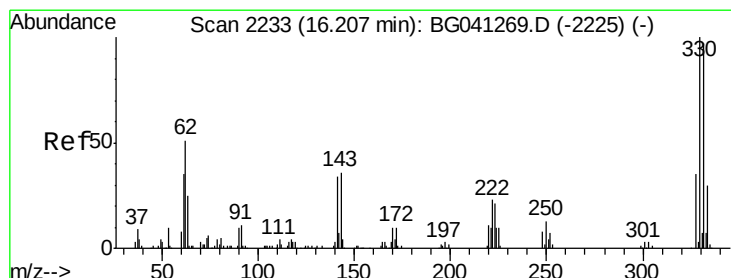
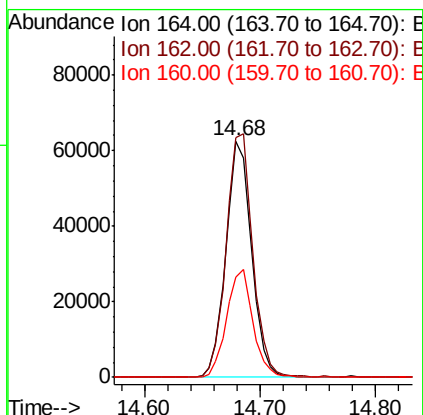
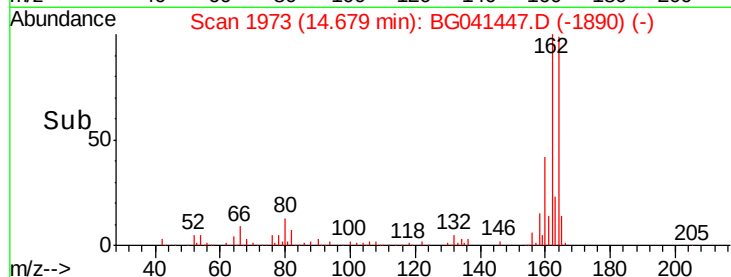
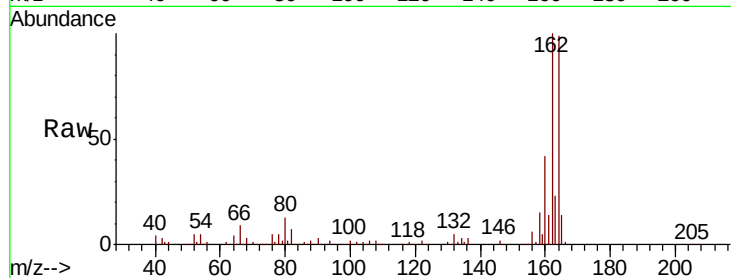
Tgt Ion:164 Resp: 96431

Ion Ratio Lower Upper

164 100

162 101.5 82.8 124.2

160 42.5 35.8 53.8



#42

2,4,6-Tribromophenol

Concen: 113.072 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.04 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

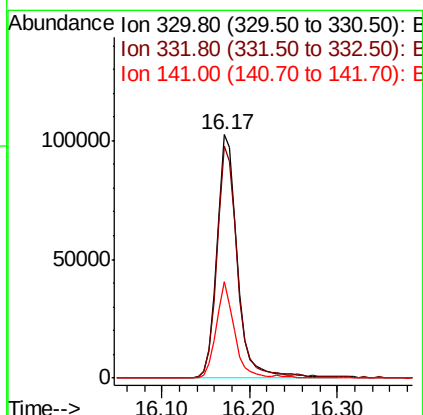
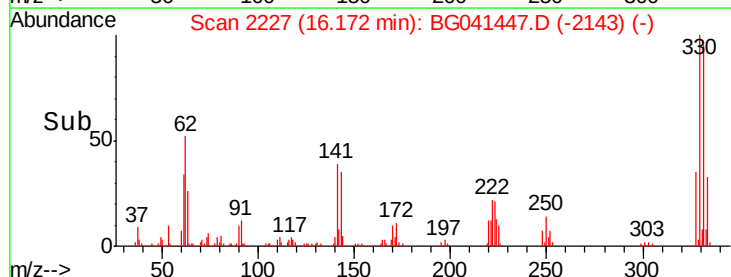
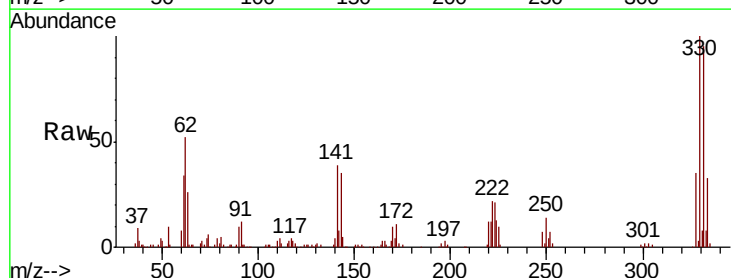
Tgt Ion:330 Resp: 167395

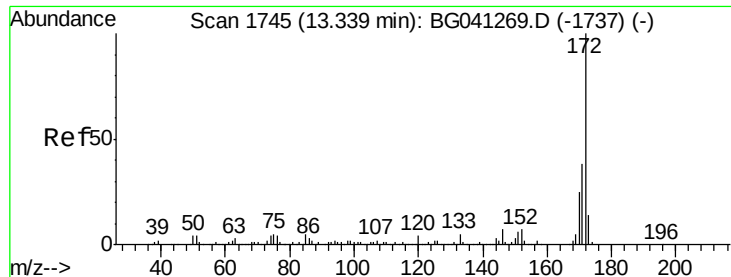
Ion Ratio Lower Upper

330 100

332 95.9 75.5 113.3

141 35.6 29.0 43.4

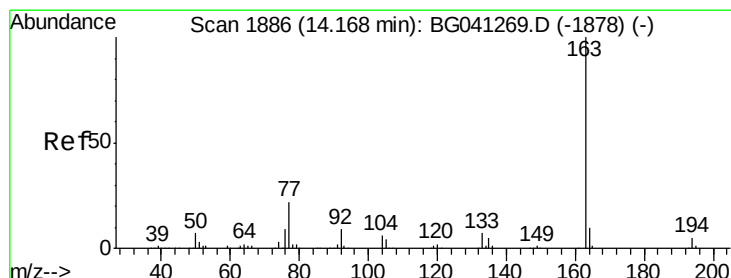
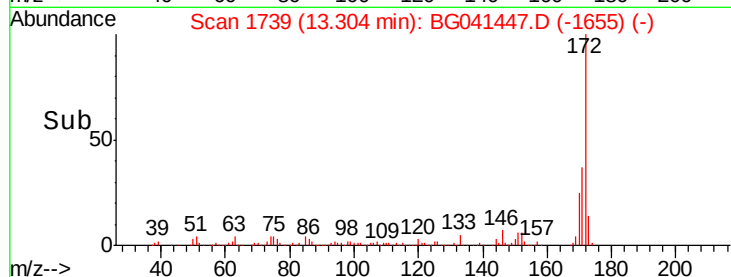
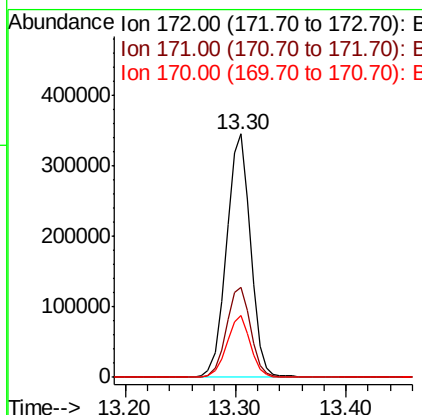
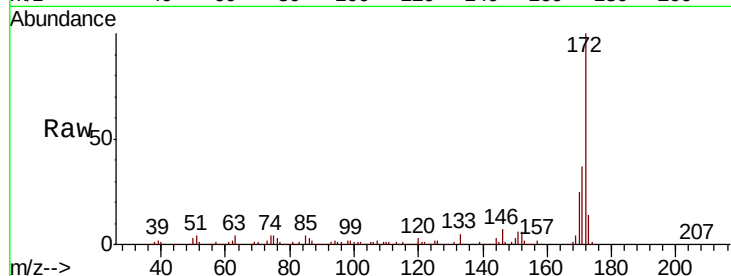




#45
2-Fluorobiphenyl
Concen: 74.195 ng
RT: 13.30 min Scan# 1739
Delta R.T. -0.04 min
Lab File: BG041447.D
Acq: 25 Jun 2019 17:08

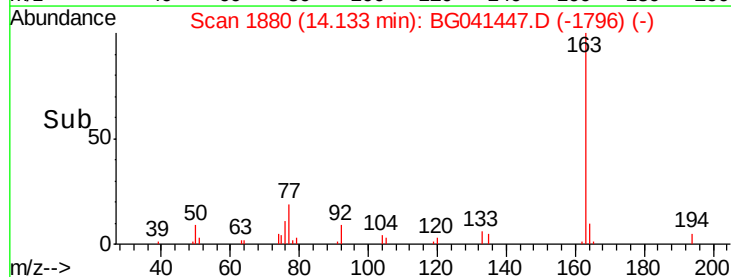
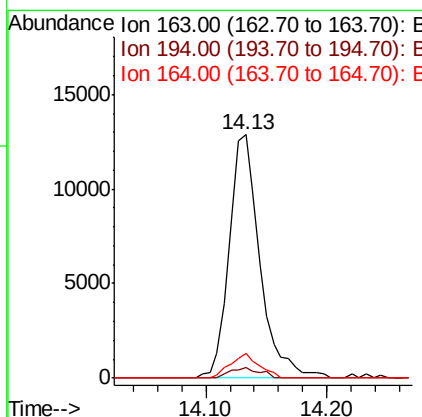
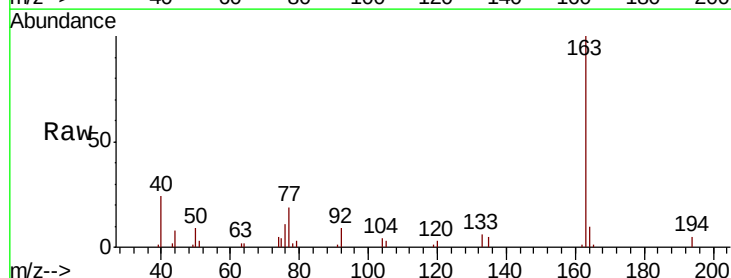
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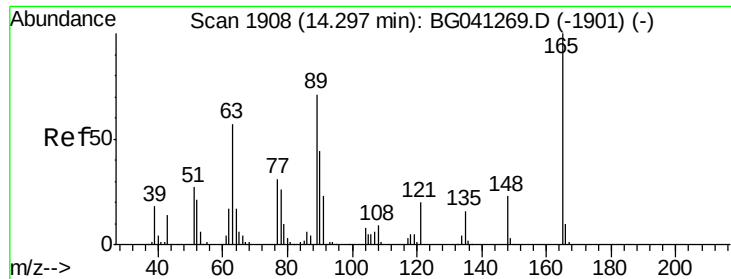
Tgt Ion:172 Resp: 526409
Ion Ratio Lower Upper
172 100
171 37.0 30.0 45.0
170 25.4 19.8 29.6



#50
Dimethylphthalate
Concen: 2.660 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.04 min
Lab File: BG041447.D
Acq: 25 Jun 2019 17:08

Tgt Ion:163 Resp: 22820
Ion Ratio Lower Upper
163 100
194 4.6 3.9 5.9
164 10.0 8.3 12.5

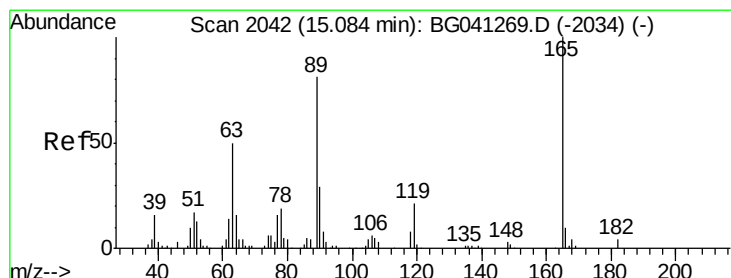
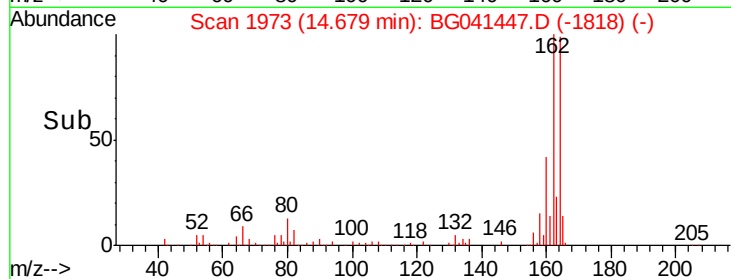
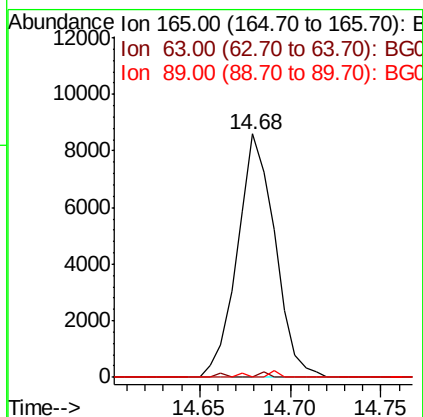
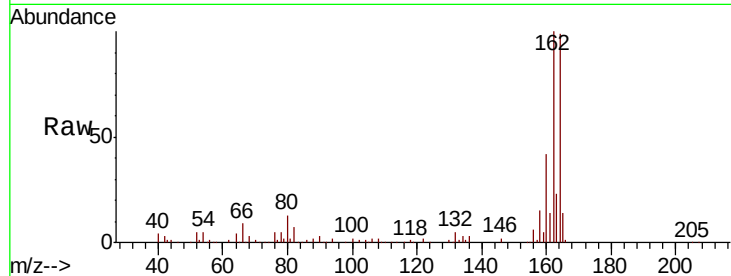




#51
 2,6-Dinitrotoluene
 Concen: 6.861 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. 0.38 min
 Lab File: BG041447.D
 Acq: 25 Jun 2019 17:08

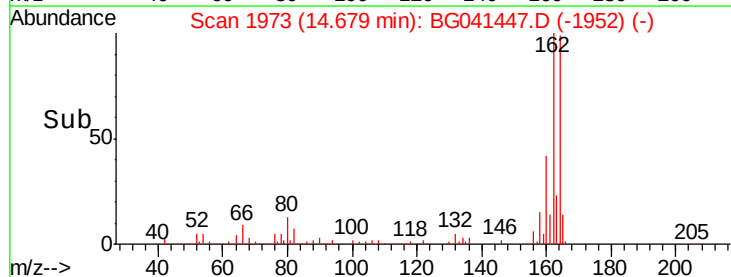
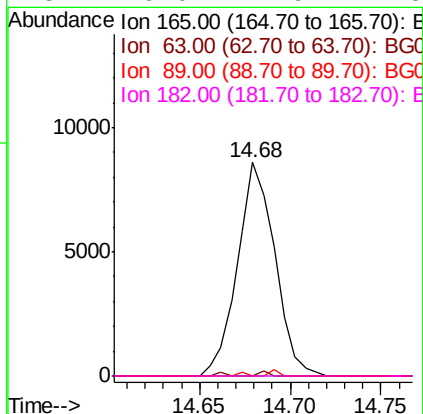
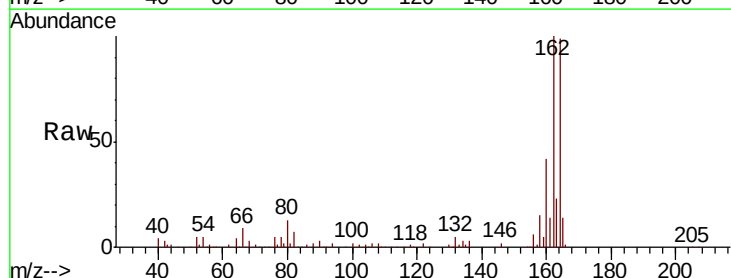
Instrument :
 BNA_G
 ClientSampleId :
 TP-3

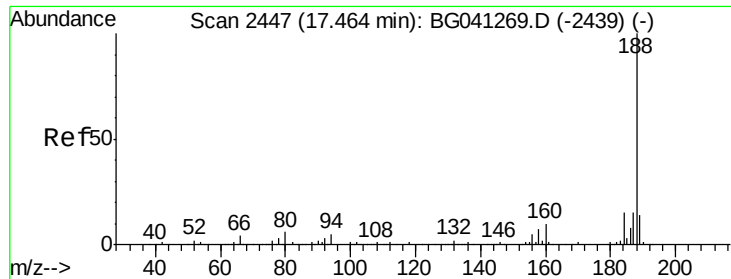
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	0.0	56.5	84.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.694 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.41 min
 Lab File: BG041447.D
 Acq: 25 Jun 2019 17:08

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.04 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

Instrument :

BNA_G

ClientSampleId :

TP-3

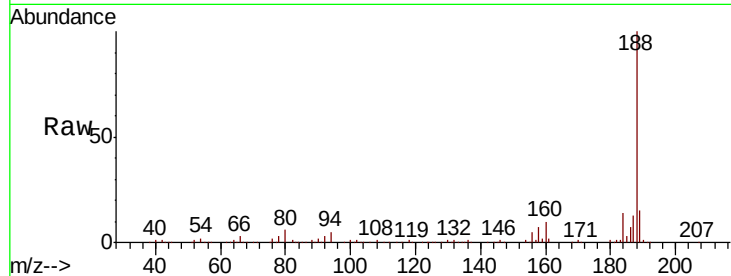
Tgt Ion:188 Resp: 259099

Ion Ratio Lower Upper

188 100

94 4.9 3.6 5.4

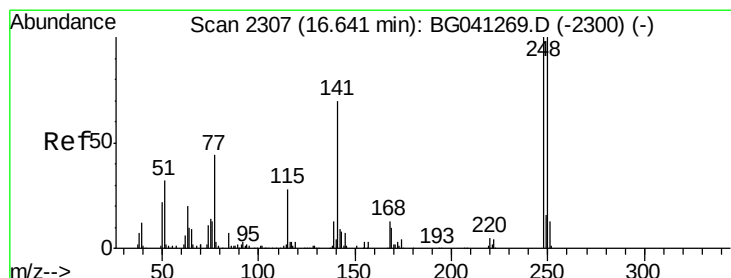
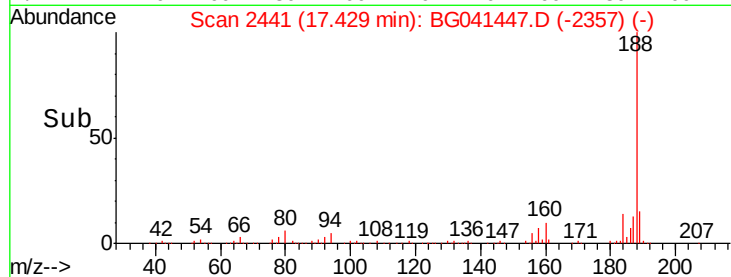
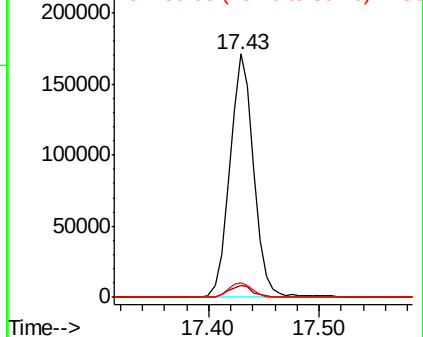
80 6.0 4.8 7.2



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: 3.477 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.47 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

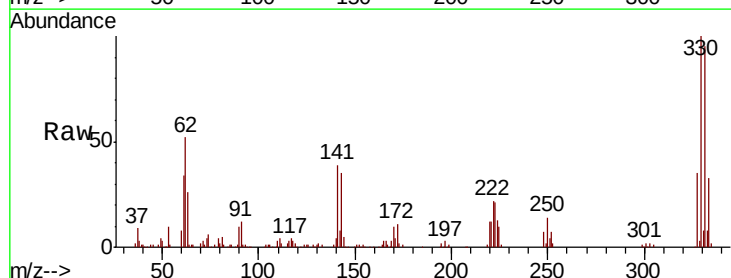
Tgt Ion:248 Resp: 11649

Ion Ratio Lower Upper

248 100

250 207.3 79.8 119.8#

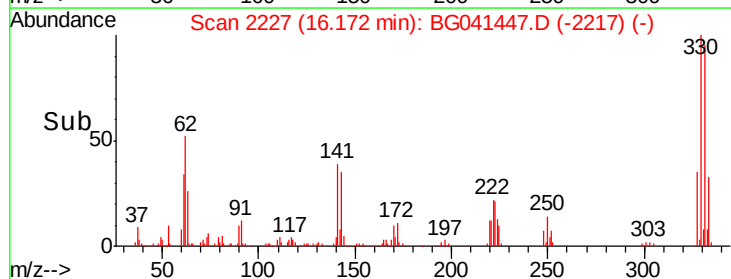
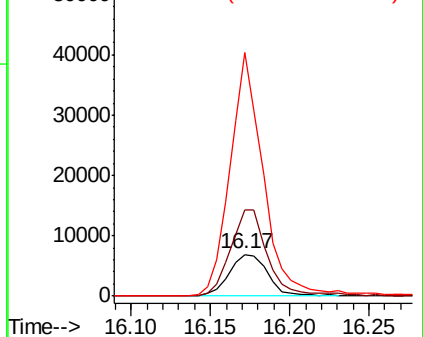
141 586.3 55.8 83.6#

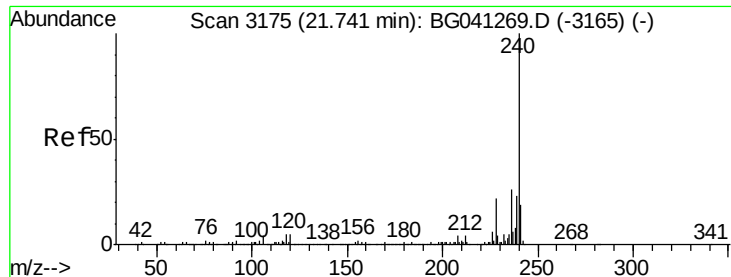


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

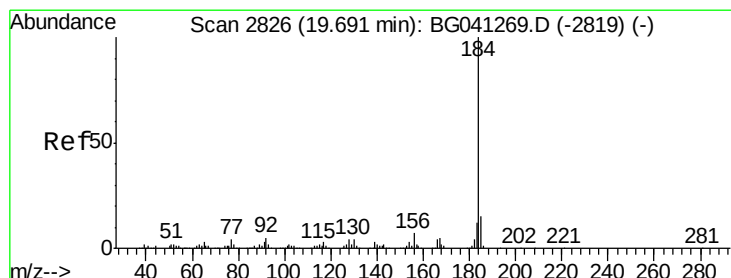
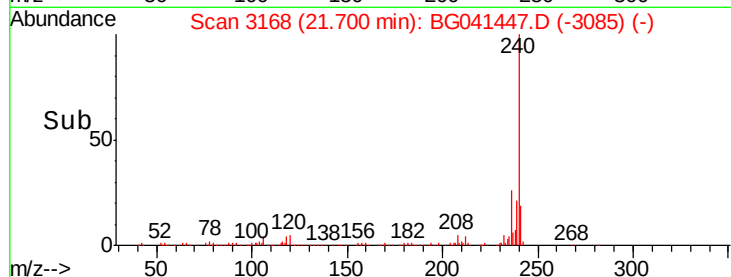
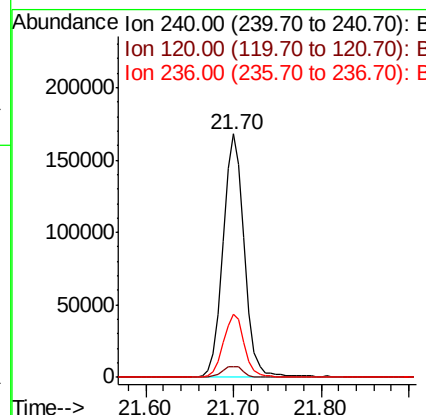
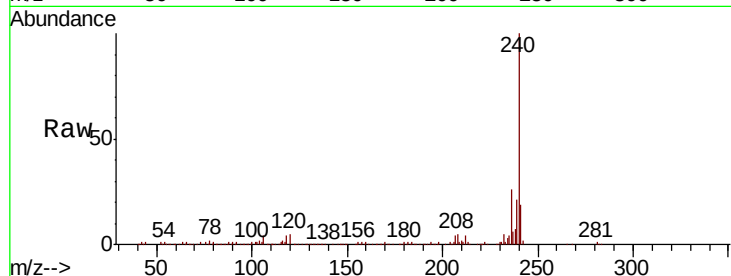




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041447.D
Acq: 25 Jun 2019 17:08

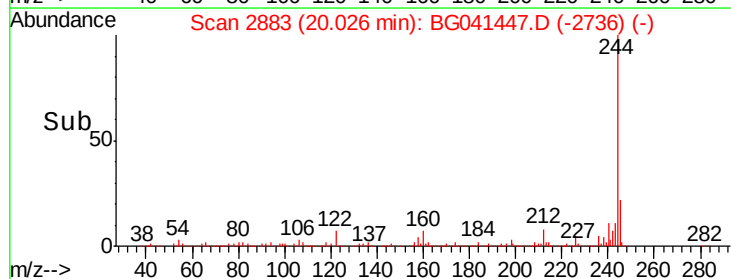
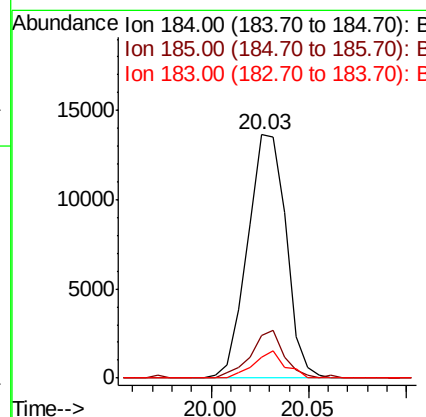
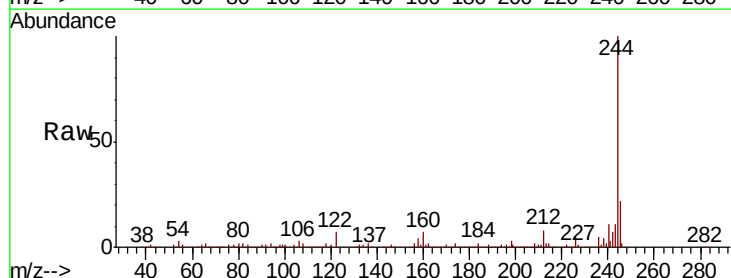
Instrument :
BNA_G
ClientSampleId :
TP-3

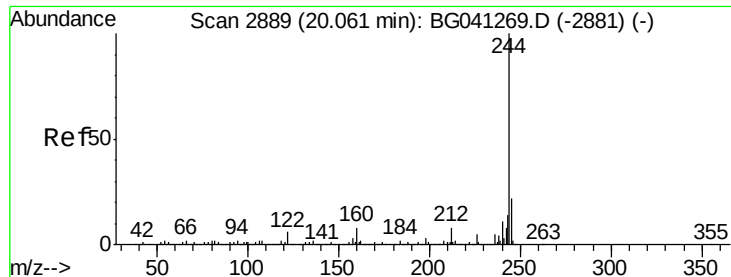
Tgt Ion:240 Resp: 283049
Ion Ratio Lower Upper
240 100
120 4.6 3.7 5.5
236 26.0 21.1 31.7



#77
Benzidine
Concen: 2.726 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.34 min
Lab File: BG041447.D
Acq: 25 Jun 2019 17:08

Tgt Ion:184 Resp: 18662
Ion Ratio Lower Upper
184 100
185 17.6 12.2 18.2
183 8.4 9.6 14.4#





#79

Terphenyl-d14

Concen: 76.016 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

Instrument :

BNA_G

ClientSampled :

TP-3

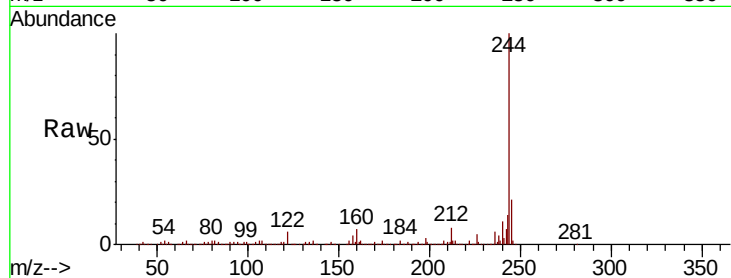
Tgt Ion:244 Resp: 1085698

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

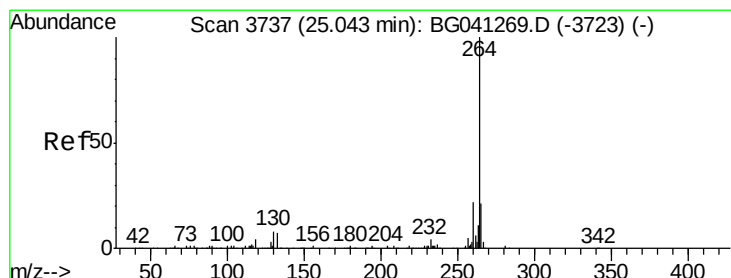
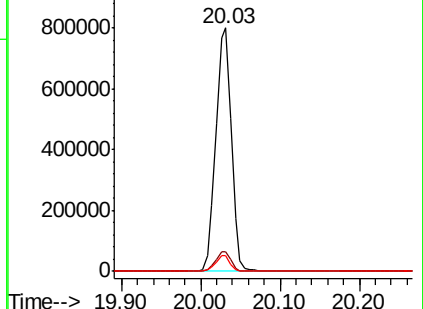
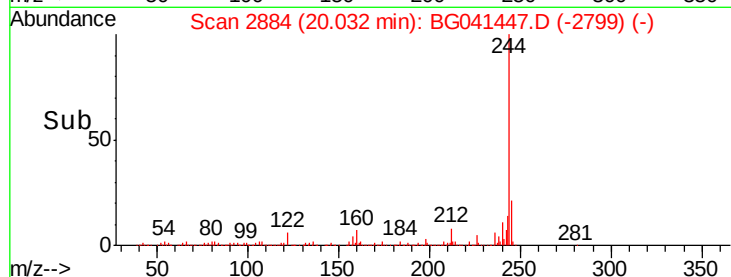
122 6.3 5.0 7.4



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: 24.98 min Scan# 3727

Delta R.T. -0.06 min

Lab File: BG041447.D

Acq: 25 Jun 2019 17:08

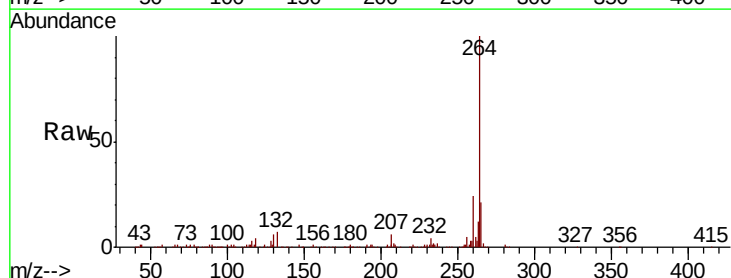
Tgt Ion:264 Resp: 299059

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.2

265 21.5 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

