

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111519\
 Data File : BG043669.D
 Acq On : 16 Nov 2019 3:00
 Operator : JU
 Sample : K5828-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 REP111319

Quant Time: Nov 16 05:27:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	21630	20.00	ng	-0.02
21) Naphthalene-d8	10.80	136	77693	20.00	ng	-0.01
39) Acenaphthene-d10	14.62	164	64247	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	172119	20.00	ng	-0.02
76) Chrysene-d12	21.63	240	190864	20.00	ng	-0.02
87) Perylene-d12	24.81	264	218946	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	74964	63.51	ng	-0.01
7) Phenol-d6	7.18	99	67600	39.80	ng	-0.01
23) Nitrobenzene-d5	9.16	82	133414	88.53	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	114217	93.42	ng	-0.02
45) 2-Fluorobiphenyl	13.25	172	419929	90.32	ng	-0.02
79) Terphenyl-d14	19.98	244	974350	95.77	ng	-0.02

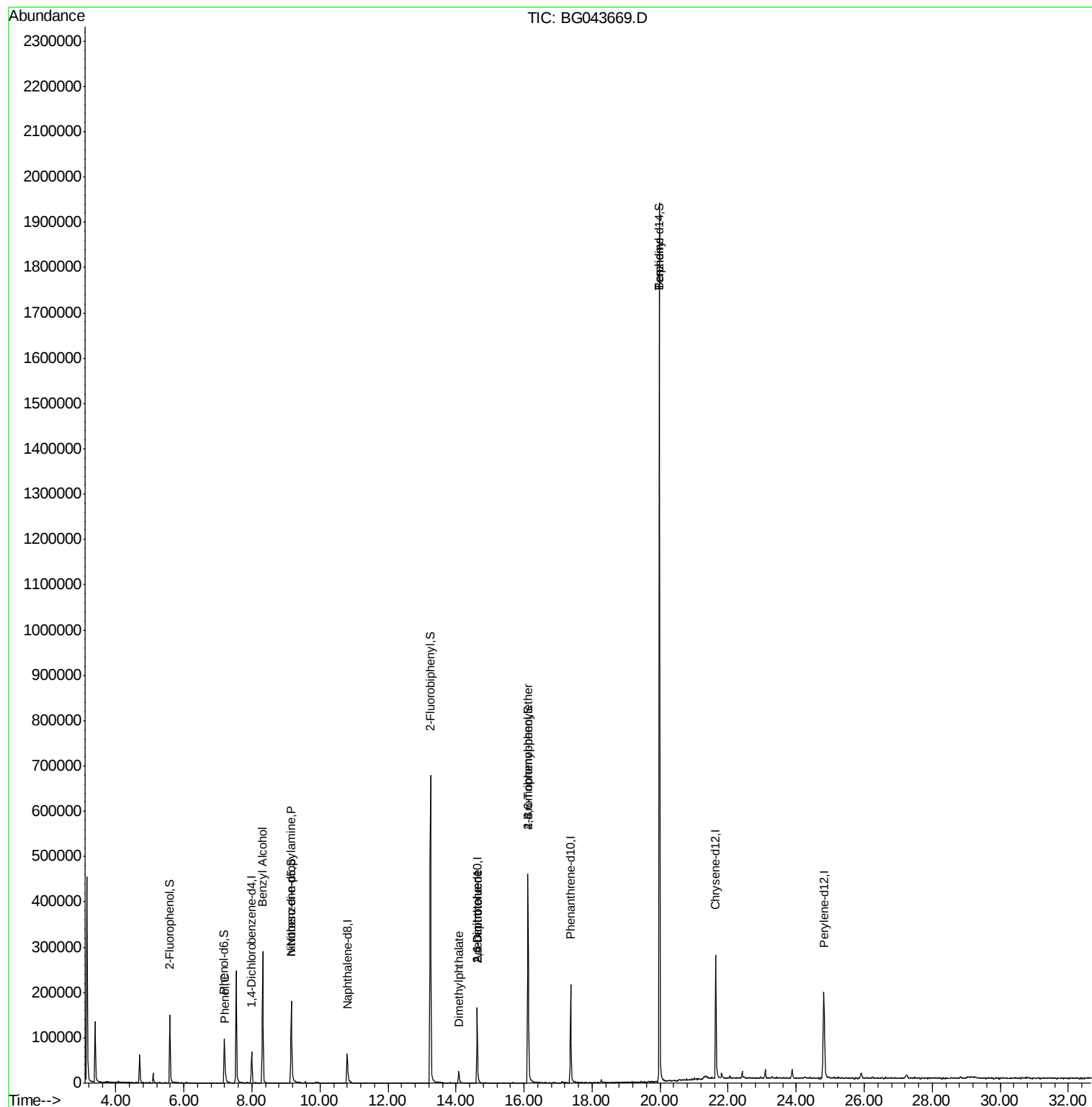
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.22	94	9415	6.067	ng	95
15) Benzyl Alcohol	8.32	79	2756	2.311	ng	# 64
19) n-Nitroso-di-n-propylamine	9.15	70	19017	17.329	ng	# 76
50) Dimethylphthalate	14.08	163	24359	4.895	ng	# 95
51) 2,6-Dinitrotoluene	14.62	165	8683	8.032	ng	# 22
57) 2,4-Dinitrotoluene	14.62	165	8683	5.620	ng	# 25
67) 4-Bromophenyl-phenylether	16.12	248	7239	3.125	ng	# 1
77) Benzidine	19.98	184	14101	3.671	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: 7.99 min Scan# 834

Delta R.T. -0.02 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

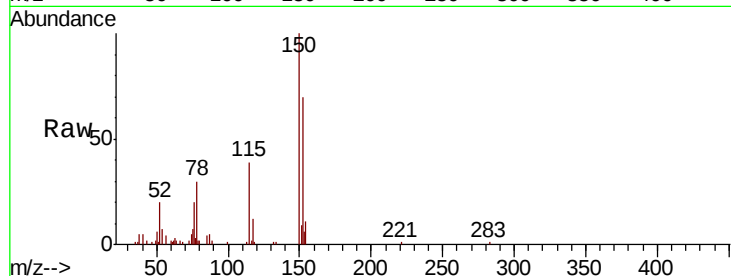
Tot Ion:152 Resp: 21630

Ion Ratio Lower Upper

152 100

150 142.4 129.4 194.0

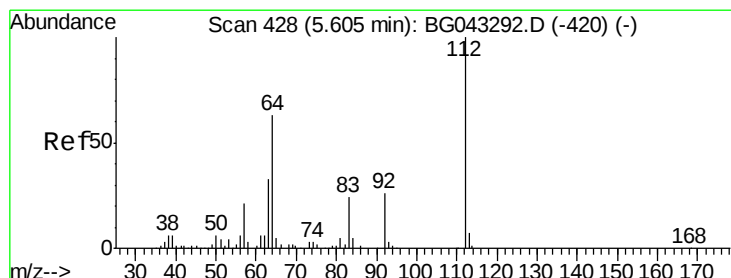
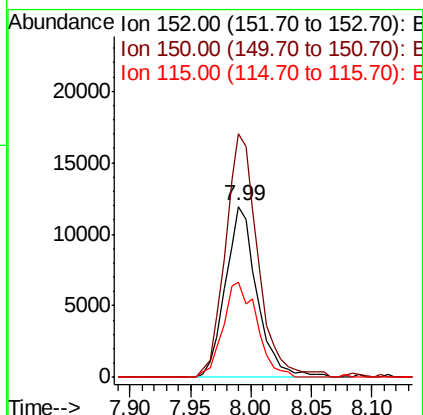
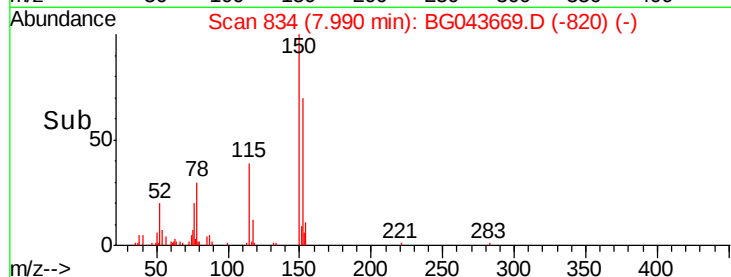
115 56.0 48.8 73.2



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: 63.508 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.01 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

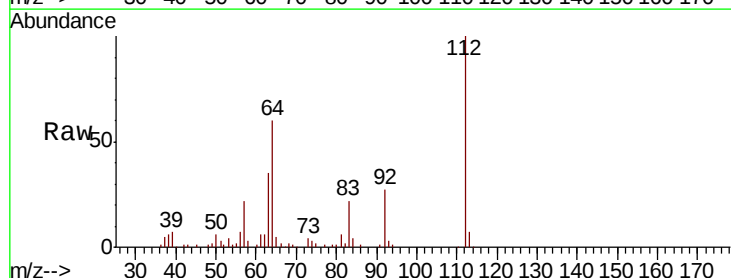
Tgt Ion:112 Resp: 74964

Ion Ratio Lower Upper

112 100

64 59.8 50.0 75.0

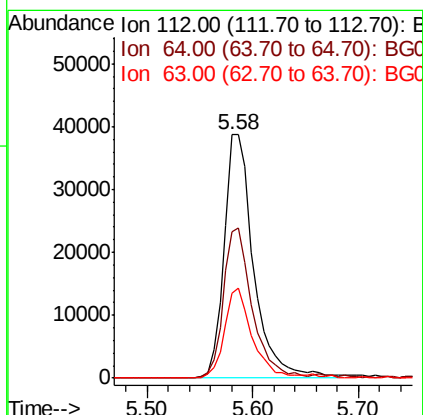
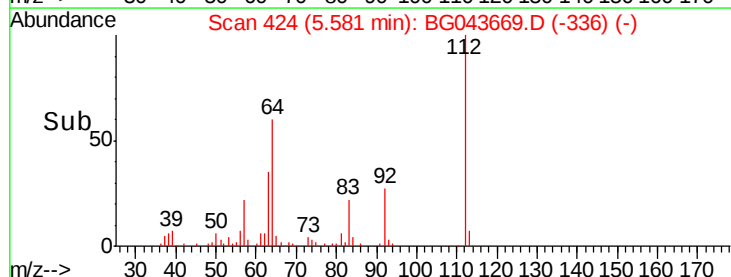
63 34.7 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 39.804 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

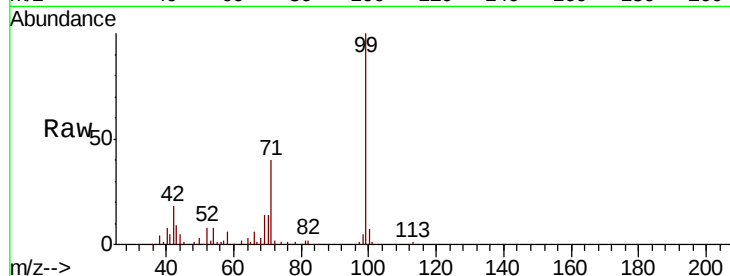
Tot Ion: 99 Resp: 67600

Ion Ratio Lower Upper

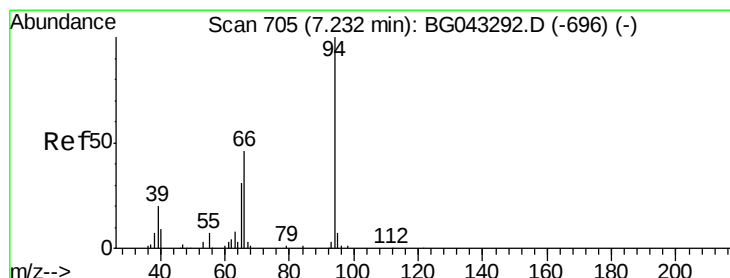
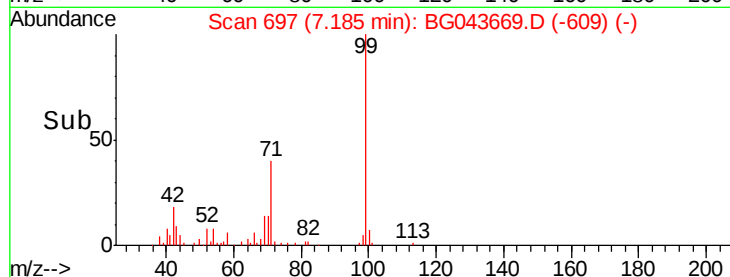
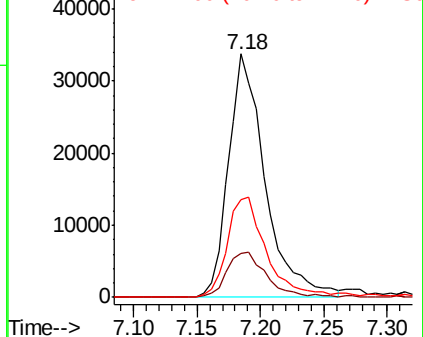
99 100

42 18.3 14.6 21.8

71 39.9 32.5 48.7



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: 6.067 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

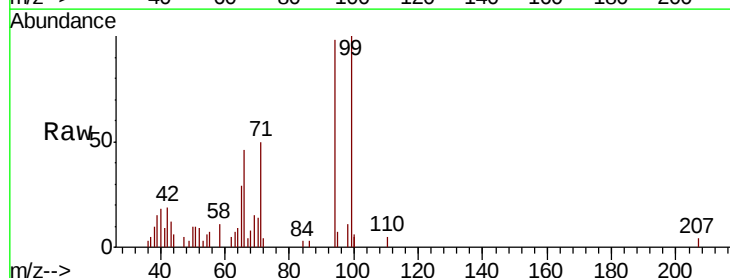
Tgt Ion: 94 Resp: 9415

Ion Ratio Lower Upper

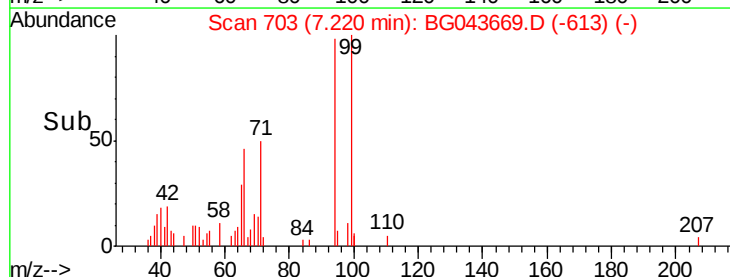
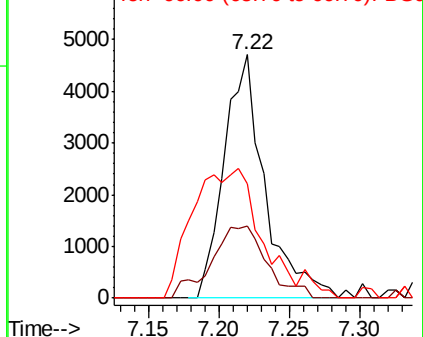
94 100

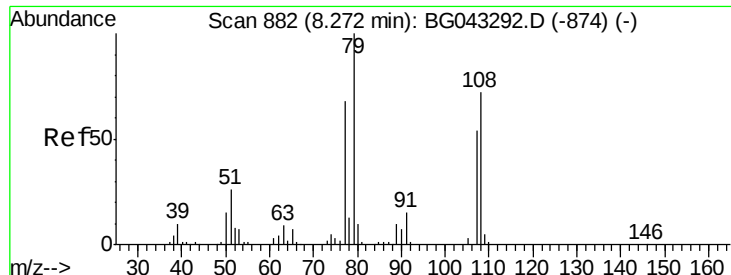
65 29.9 12.6 52.6

66 46.8 30.7 70.7



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





#15

Benzyl Alcohol

Concen: 2.311 ng

RT: 8.32 min Scan# 890

Delta R.T. 0.06 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

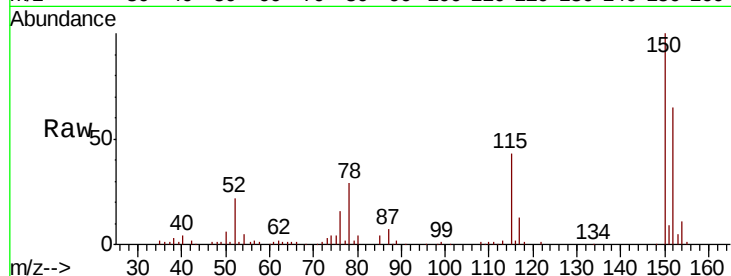
Tot Ion: 79 Resp: 2756

Ion Ratio Lower Upper

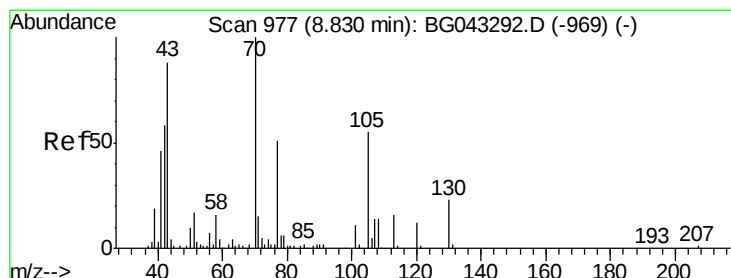
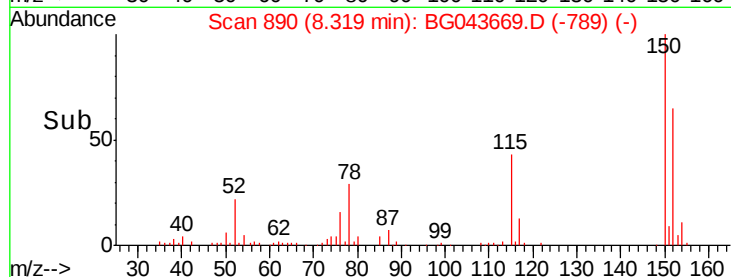
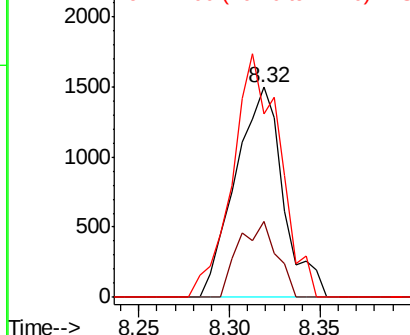
79 100

108 36.3 53.6 80.4#

77 87.2 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.329 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Tgt Ion: 70 Resp: 19017

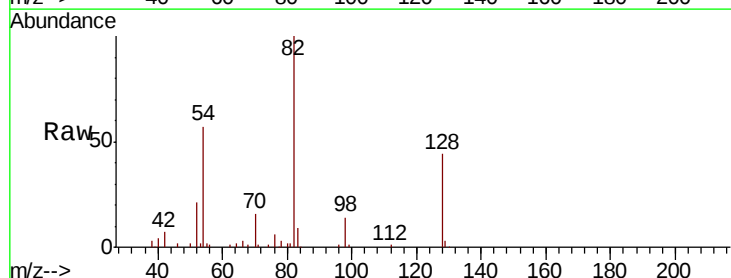
Ion Ratio Lower Upper

70 100

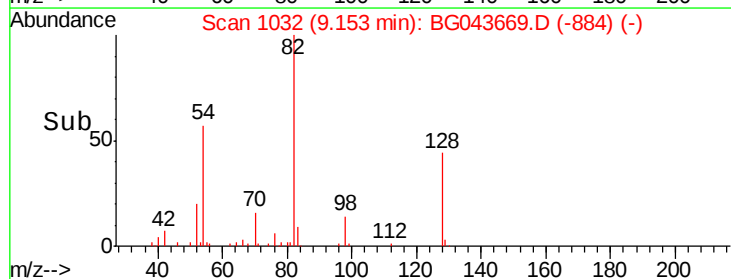
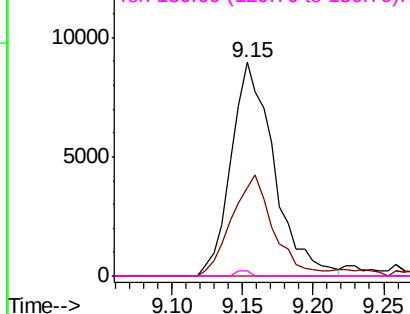
42 41.6 41.4 62.2

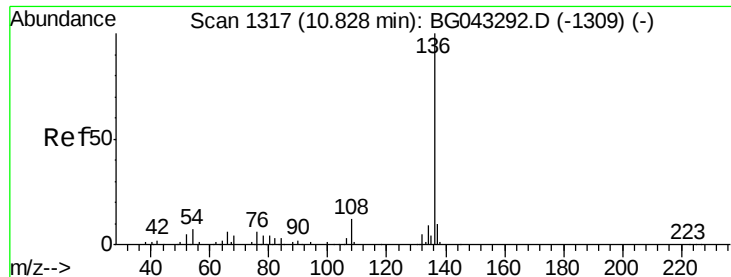
101 0.0 7.9 11.9#

130 2.3 19.0 28.4#



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. -0.01 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

Tot Ion:136 Resp: 77693

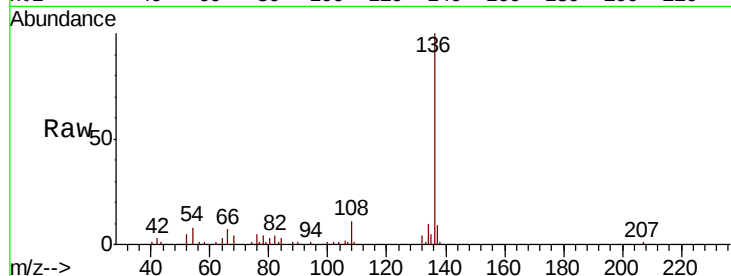
Ion Ratio Lower Upper

136 100

137 9.5 8.7 13.1

54 8.1 5.4 8.2

68 3.6 3.0 4.4

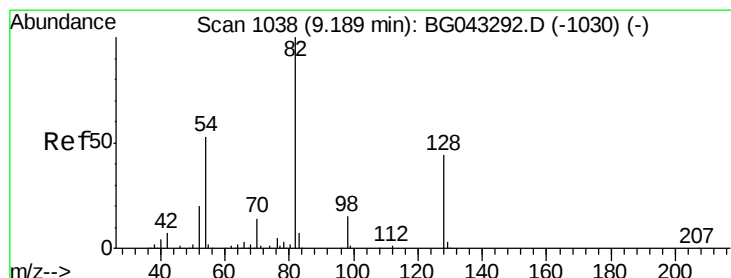
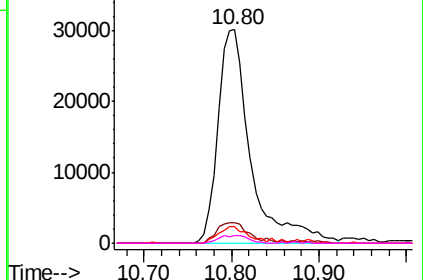
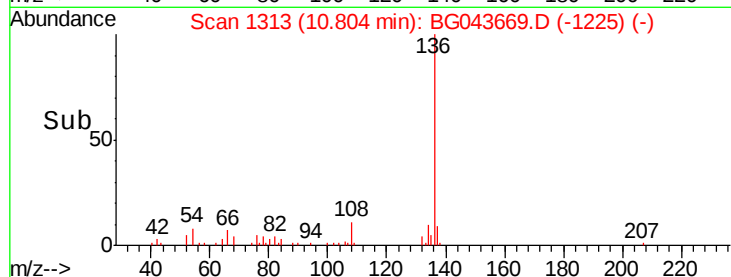


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.529 ng

RT: 9.16 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

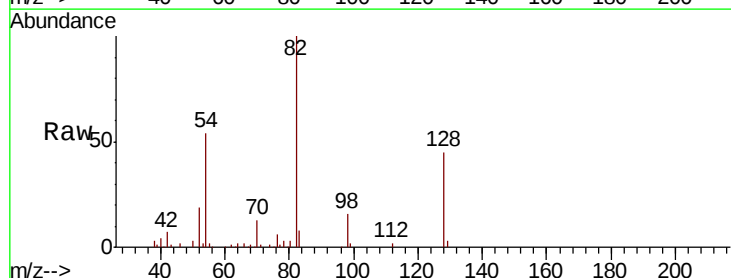
Tgt Ion: 82 Resp: 133414

Ion Ratio Lower Upper

82 100

128 44.7 35.0 52.6

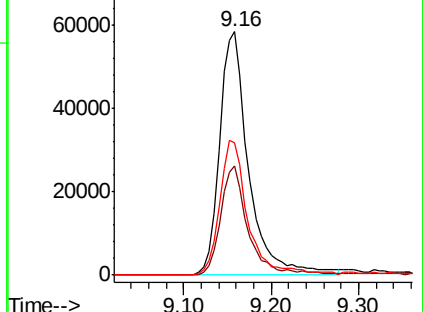
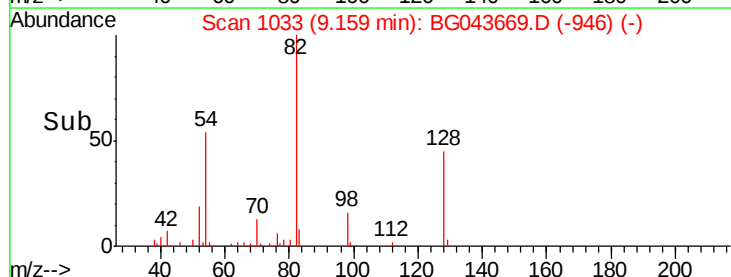
54 54.3 40.2 60.2

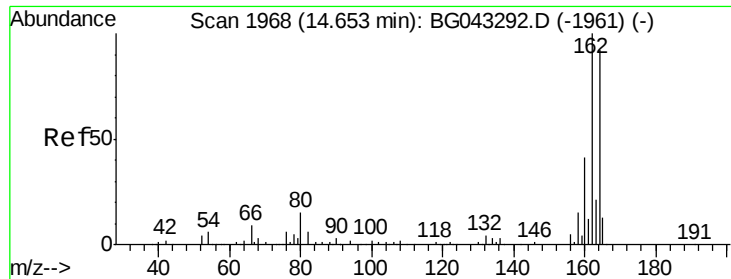


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.62 min Scan# 1963

Delta R.T. -0.02 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

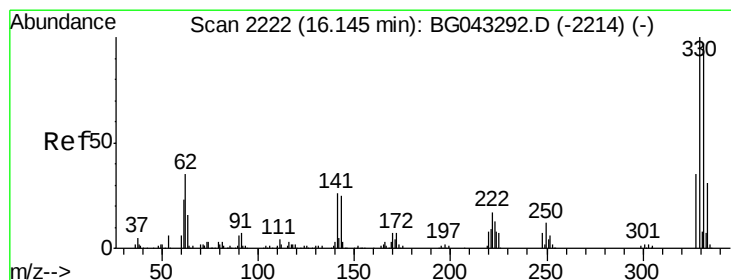
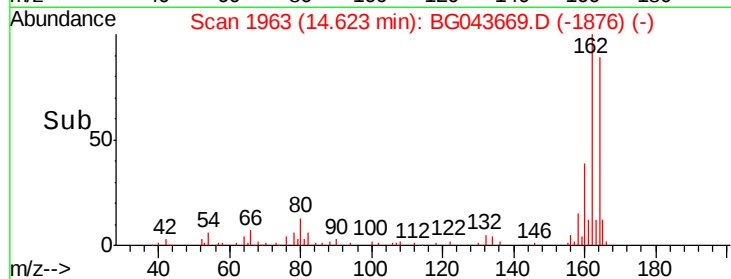
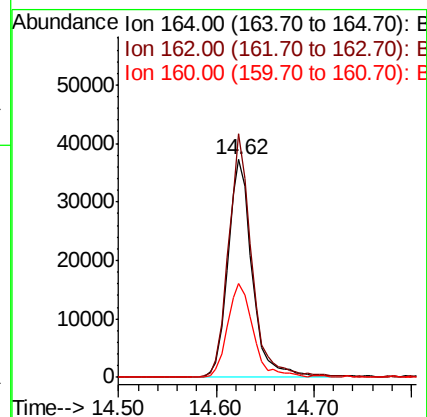
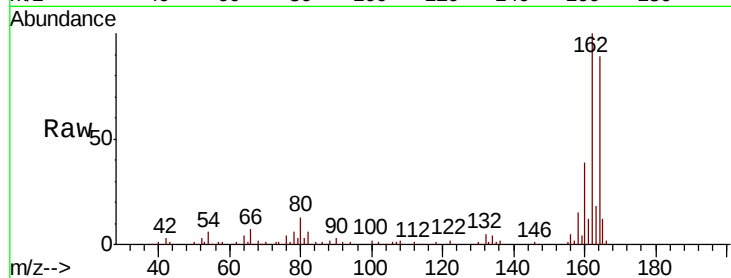
Tot Ion:164 Resp: 64247

Ion Ratio Lower Upper

164 100

162 111.9 83.5 125.3

160 43.3 36.5 54.7



#42

2,4,6-Tribromophenol

Concen: 93.420 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.02 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

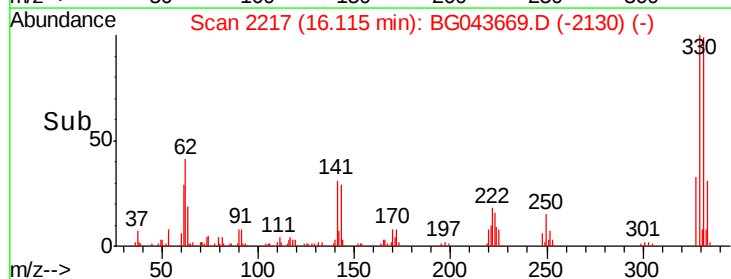
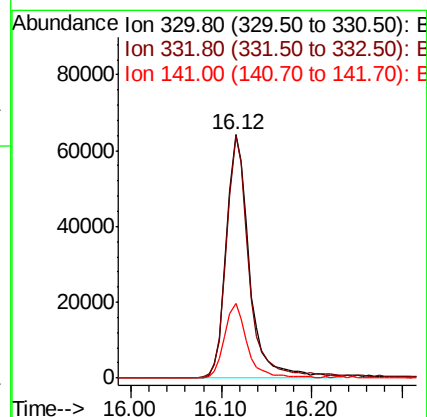
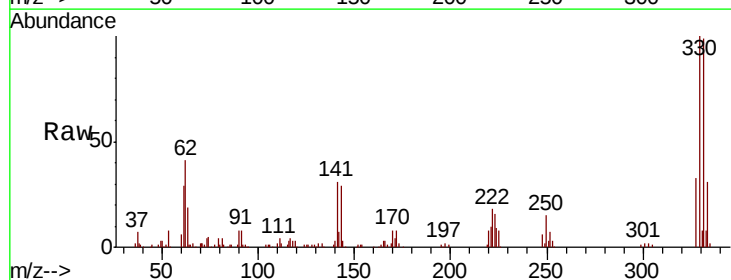
Tgt Ion:330 Resp: 114217

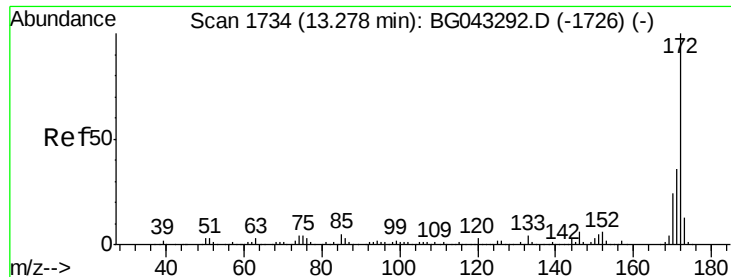
Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

141 29.9 22.8 34.2

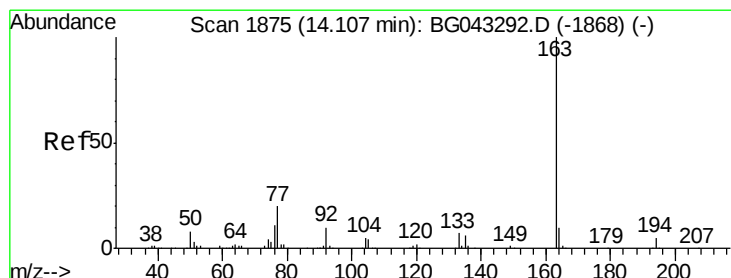
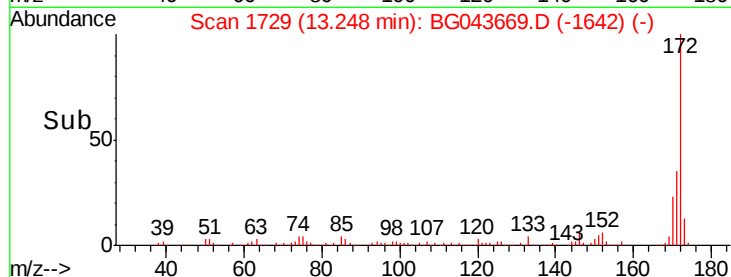
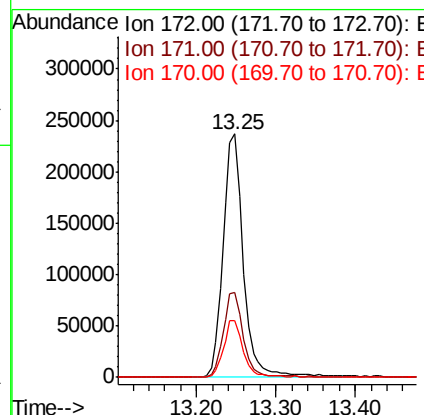
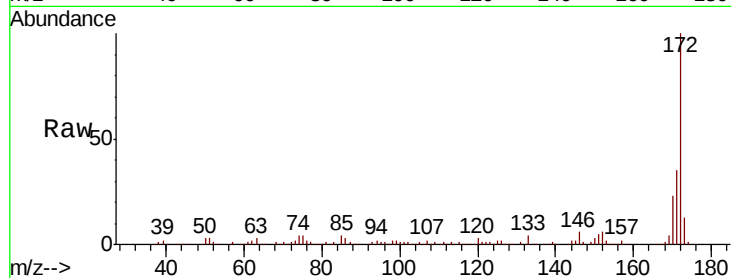




#45
2-Fluorobiphenyl
Concen: 90.317 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BG043669.D
Acq: 16 Nov 2019 3:00

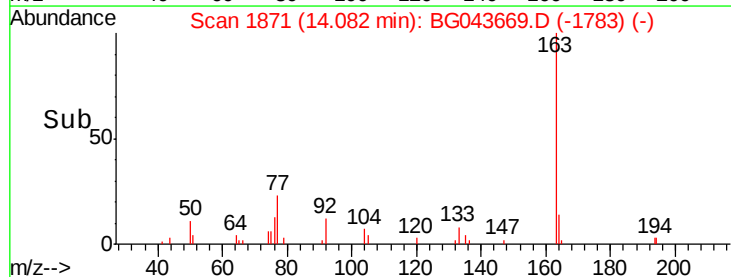
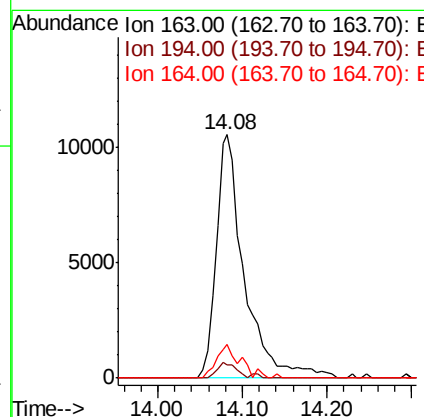
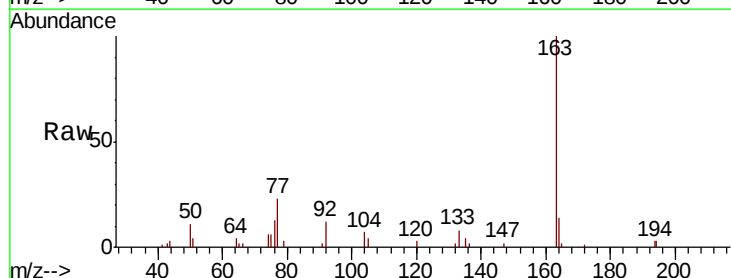
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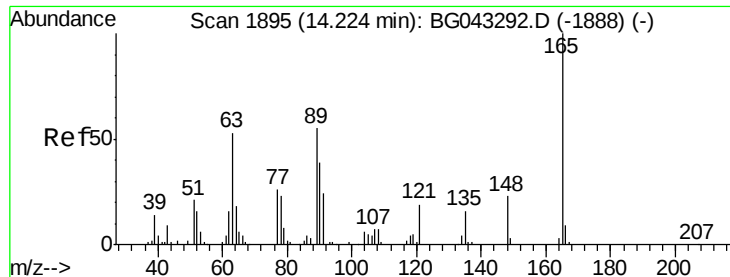
Tot Ion:172 Resp: 419929
Ion Ratio Lower Upper
172 100
171 35.0 28.9 43.3
170 23.4 18.5 27.7



#50
Dimethylphthalate
Concen: 4.895 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG043669.D
Acq: 16 Nov 2019 3:00

Tgt Ion:163 Resp: 24359
Ion Ratio Lower Upper
163 100
194 5.4 3.8 5.6
164 13.7 8.9 13.3#





#51

2,6-Dinitrotoluene

Concen: 8.032 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.41 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

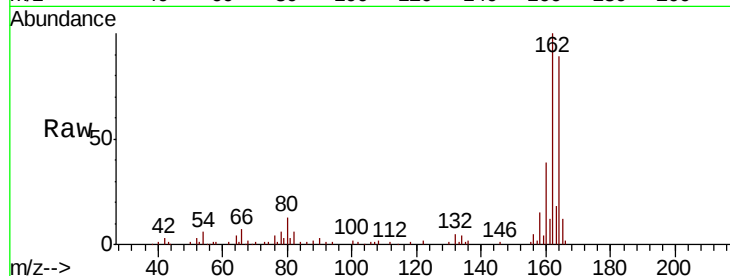
Tot Ion:165 Resp: 8683

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

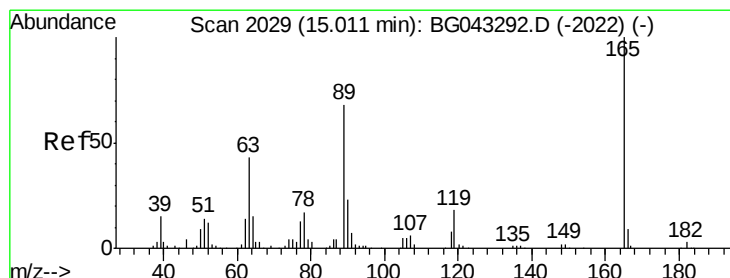
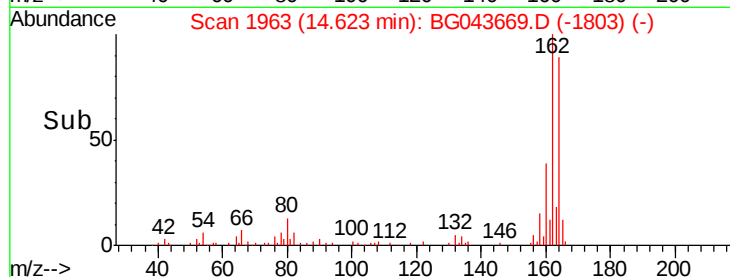
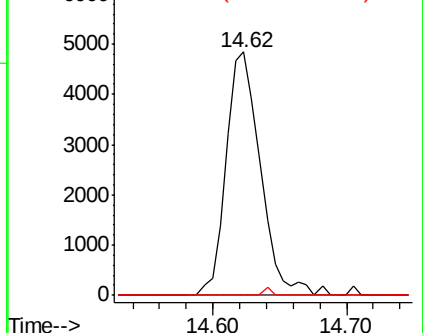
89 0.0 45.1 67.7#



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: 5.620 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.38 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Tgt Ion:165 Resp: 8683

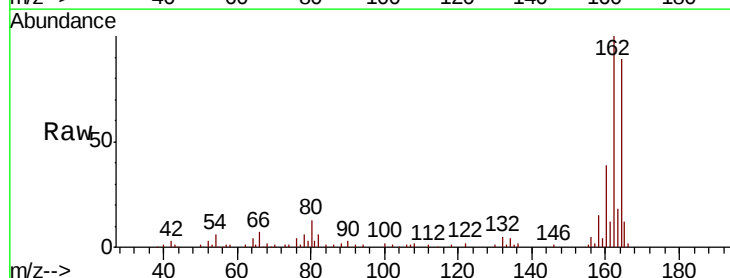
Ion Ratio Lower Upper

165 100

63 0.0 33.2 49.8#

89 0.0 52.2 78.4#

182 0.0 2.0 3.0#

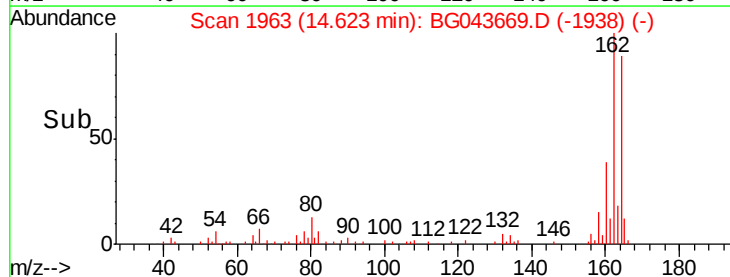
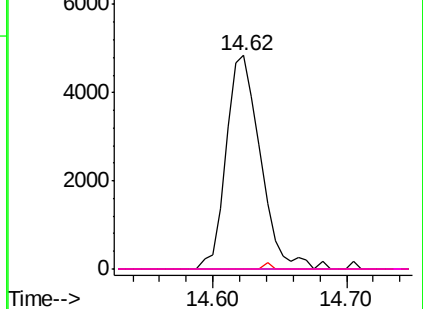


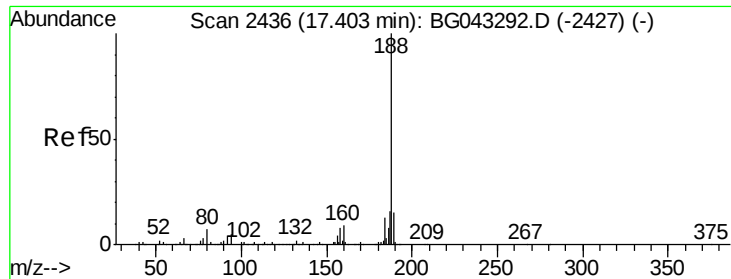
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.02 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

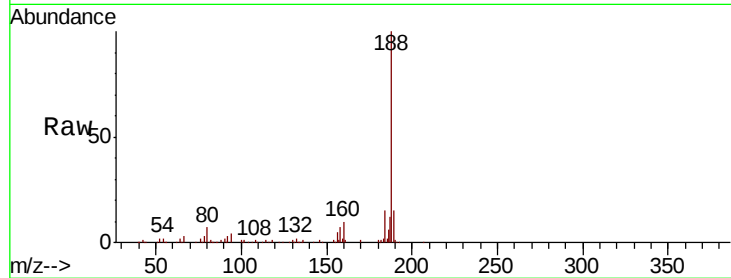
Tot Ion:188 Resp: 172119

Ion Ratio Lower Upper

188 100

94 4.3 4.2 6.4

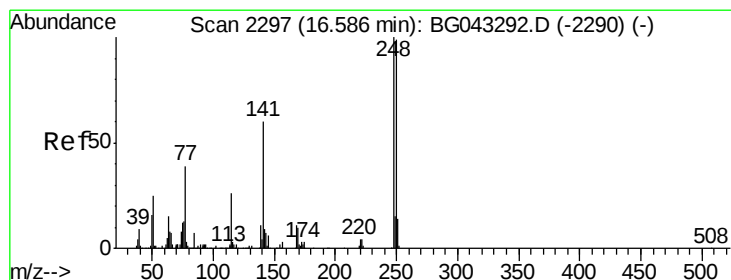
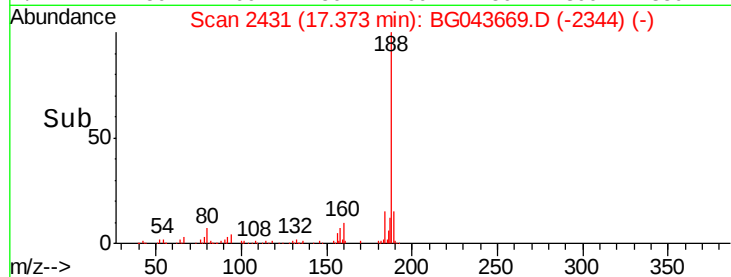
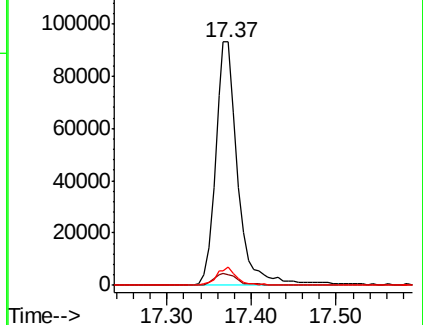
80 7.5 4.5 6.7#



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: 3.125 ng

RT: 16.12 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

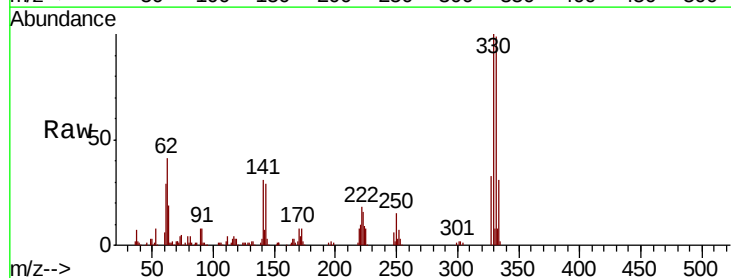
Tgt Ion:248 Resp: 7239

Ion Ratio Lower Upper

248 100

250 224.4 77.0 115.4#

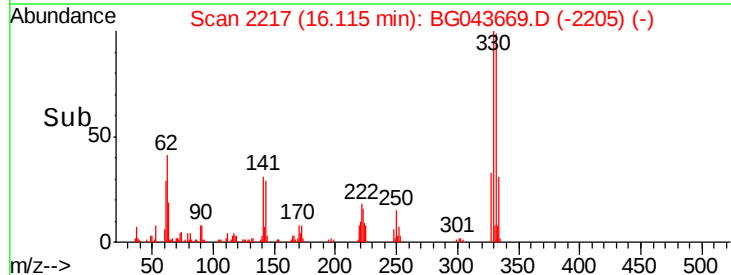
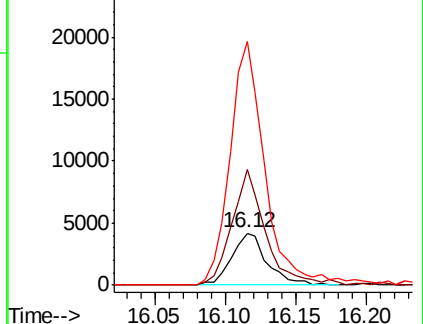
141 470.8 47.5 71.3#

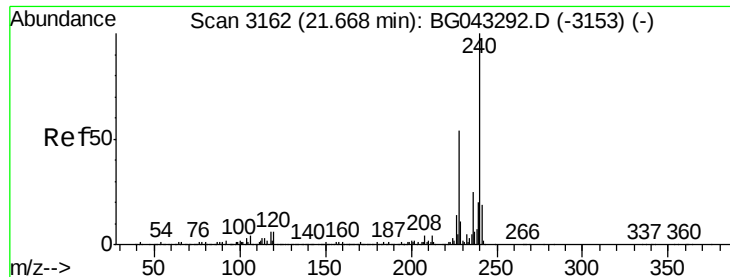


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3156

Delta R.T. -0.02 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

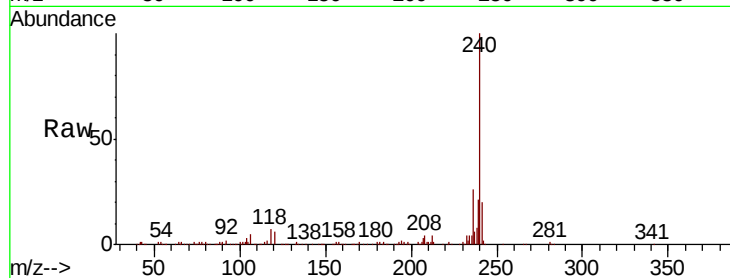
Tot Ion:240 Resp: 190864

Ion Ratio Lower Upper

240 100

120 6.3 4.6 6.8

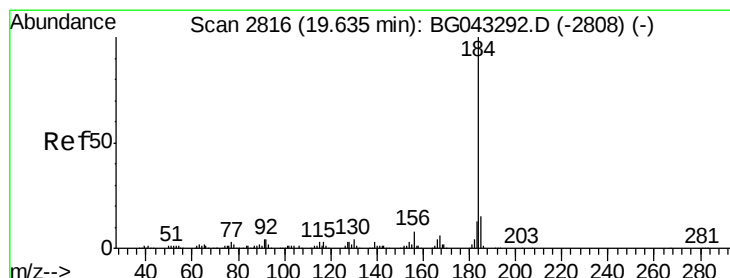
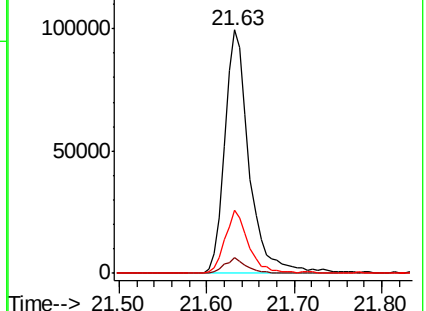
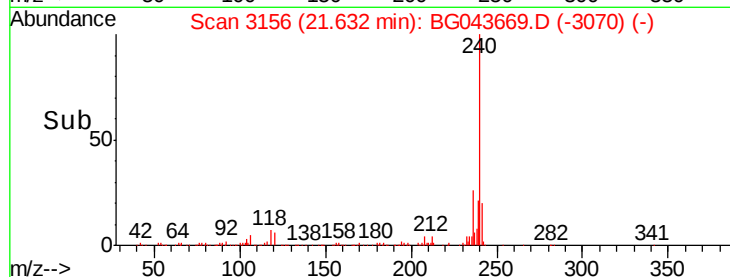
236 26.2 19.8 29.8



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: 3.671 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

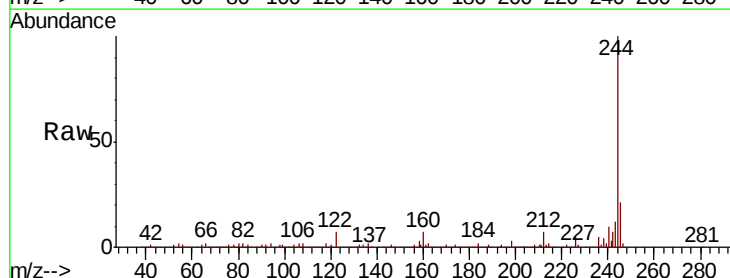
Tgt Ion:184 Resp: 14101

Ion Ratio Lower Upper

184 100

185 14.1 11.0 16.4

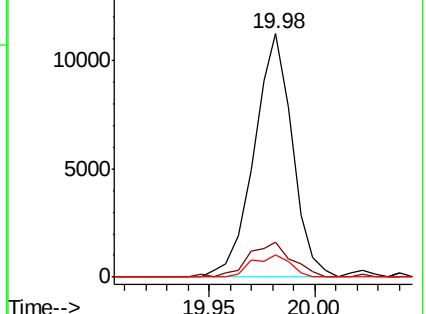
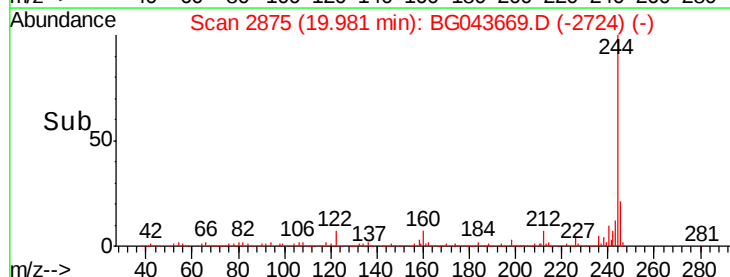
183 9.0 10.0 15.0#

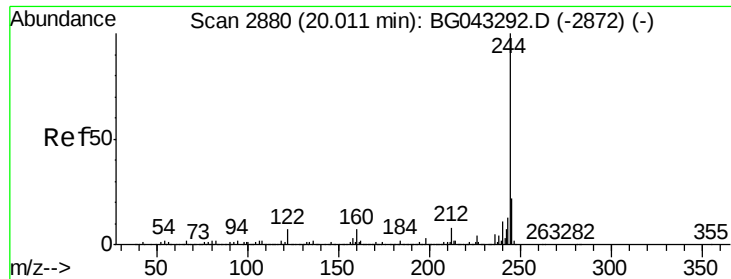


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 95.772 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

Instrument :

BNA_G

ClientSampleId :

REP111319

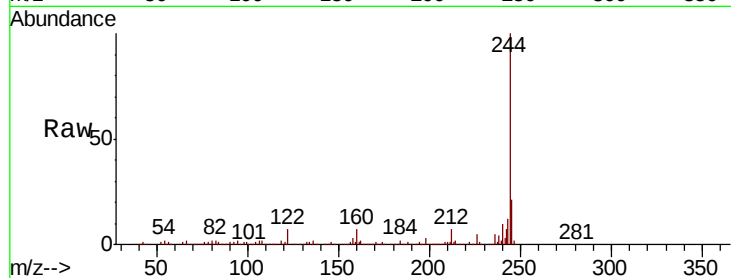
Tot Ion:244 Resp: 974350

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

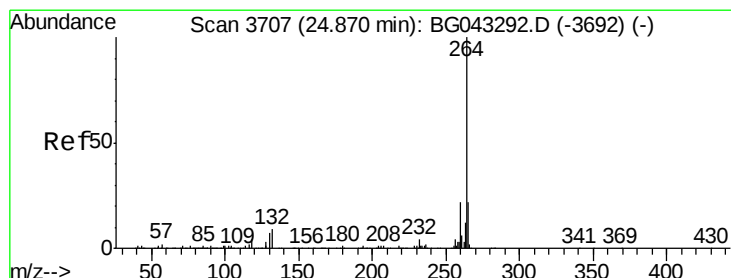
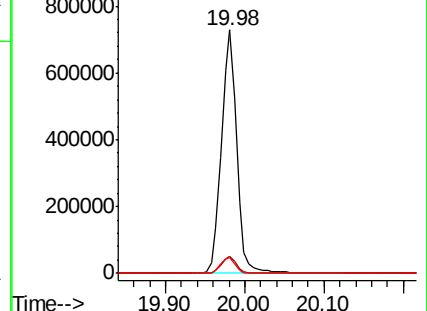
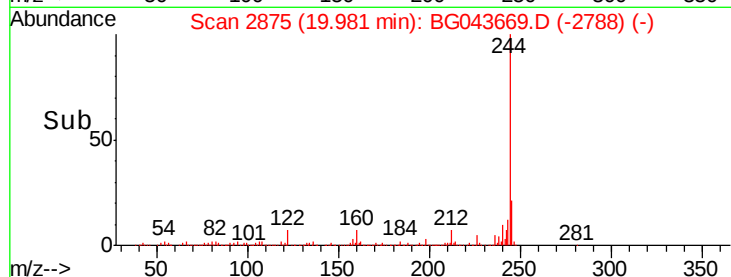
122 6.5 5.4 8.2



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: 24.81 min Scan# 3697

Delta R.T. -0.04 min

Lab File: BG043669.D

Acq: 16 Nov 2019 3:00

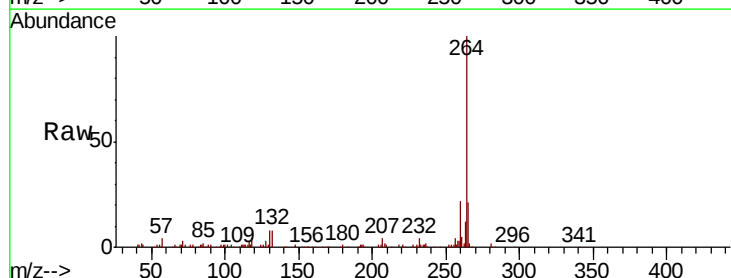
Tgt Ion:264 Resp: 218946

Ion Ratio Lower Upper

264 100

260 22.4 17.5 26.3

265 20.5 17.4 26.0



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

