

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043445.D
 Acq On : 31 Oct 2019 22:16
 Operator : JU
 Sample : K5599-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 04:02:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

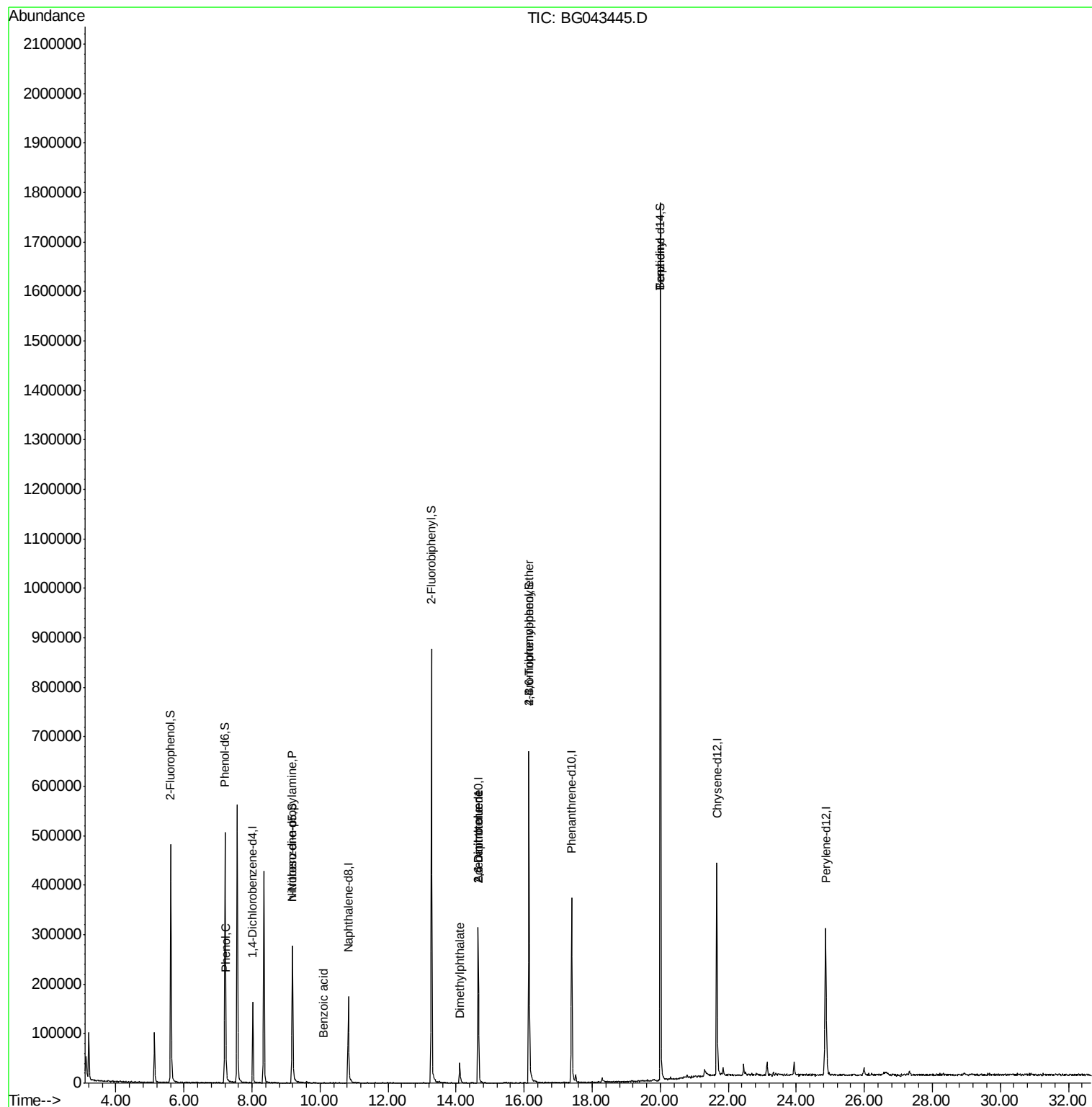
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	48530	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	181033	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	123449	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	288559	20.00	ng	0.00
76) Chrysene-d12	21.67	240	303966	20.00	ng	0.00
87) Perylene-d12	24.87	264	350721	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	231849	87.54	ng	0.00
7) Phenol-d6	7.21	99	326780	85.76	ng	0.00
23) Nitrobenzene-d5	9.19	82	199974	56.95	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	178016	75.78	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	532073	59.56	ng	0.00
79) Terphenyl-d14	20.00	244	982442	60.64	ng	0.00
Target Compounds						
10) Phenol	7.24	94	8864	2.546	ng	# 61
19) n-Nitroso-di-n-propylamine	9.19	70	26408	10.725	ng	# 85
32) Benzoic acid	10.10	122	68	9.080	ng	# 1
50) Dimethylphthalate	14.10	163	41508	4.341	ng	# 97
51) 2,6-Dinitrotoluene	14.64	165	15974	7.690	ng	# 23
57) 2,4-Dinitrotoluene	14.64	165	15974	5.381	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	11587	2.984	ng	# 1
77) Benzidine	20.00	184	13652	2.232	ng	# 87

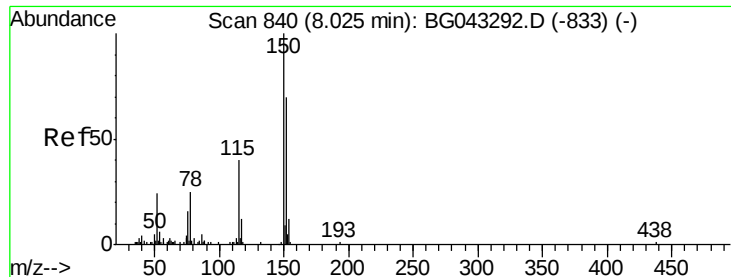
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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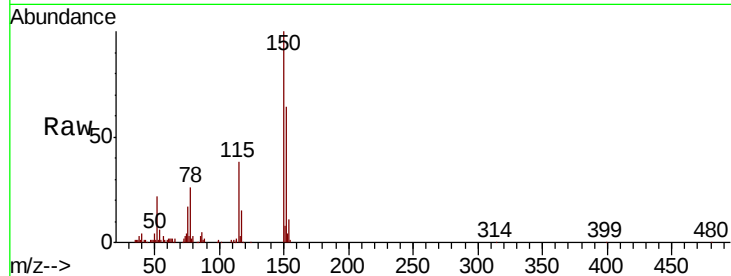


#1

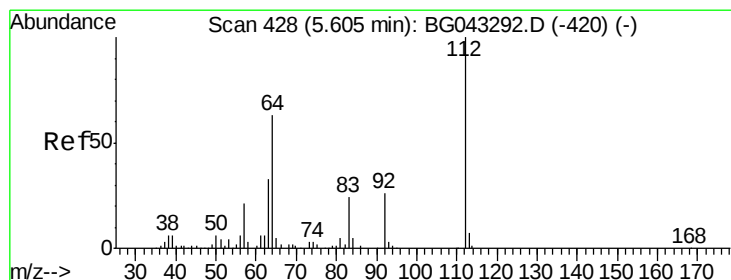
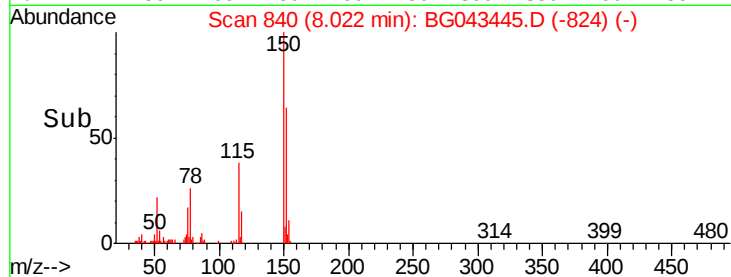
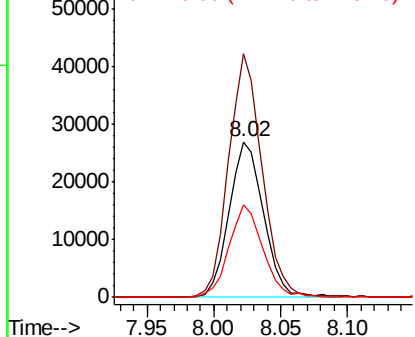
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043445.D
Acq: 31 Oct 2019 22:16

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 48530
Ion Ratio Lower Upper
152 100
150 156.1 113.6 170.4
115 59.5 45.9 68.9



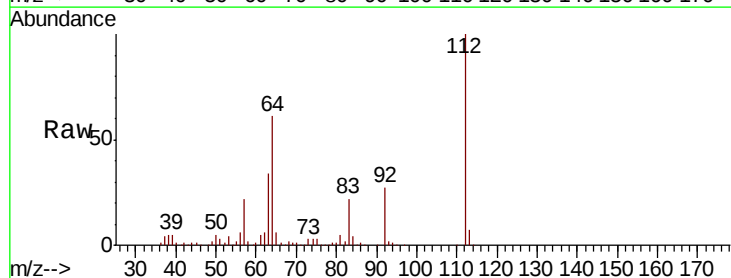
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



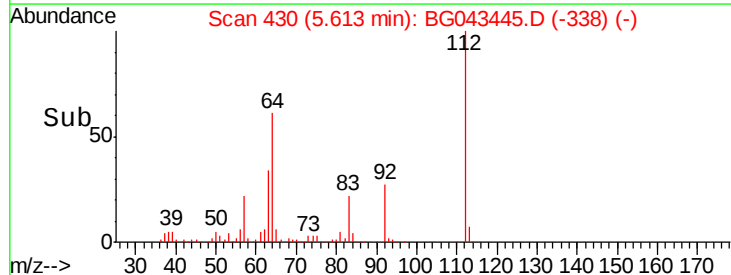
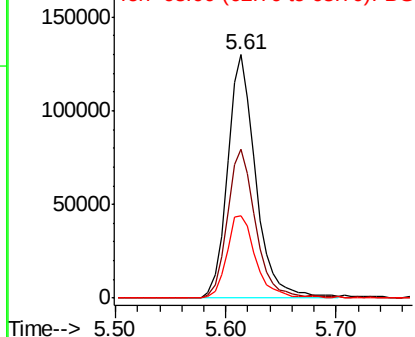
#5

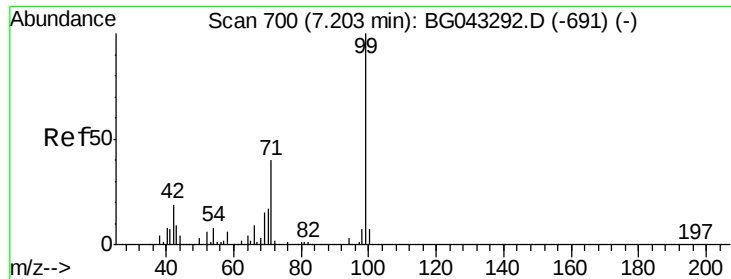
2-Fluorophenol
Concen: 87.544 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043445.D
Acq: 31 Oct 2019 22:16

Tgt Ion:112 Resp: 231849
Ion Ratio Lower Upper
112 100
64 61.2 50.2 75.2
63 34.1 26.7 40.1



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: 85.760 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA_G

ClientSampleId :

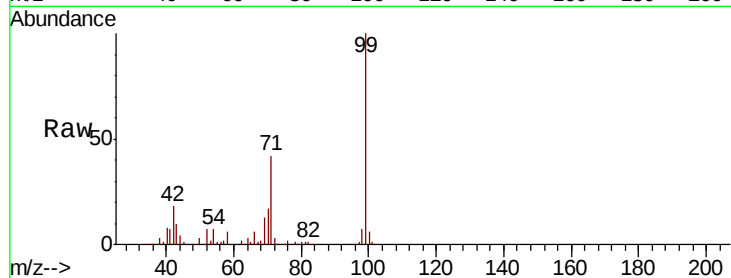
Tot Ion: 99 Resp: 326780

Ion Ratio Lower Upper

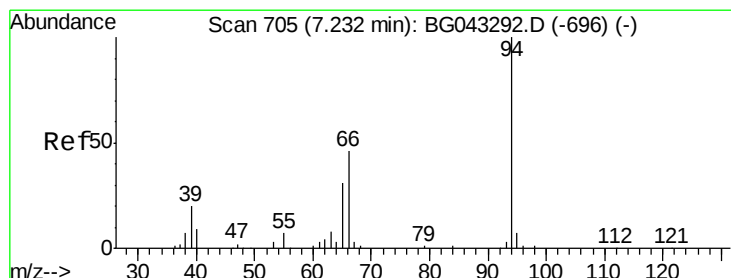
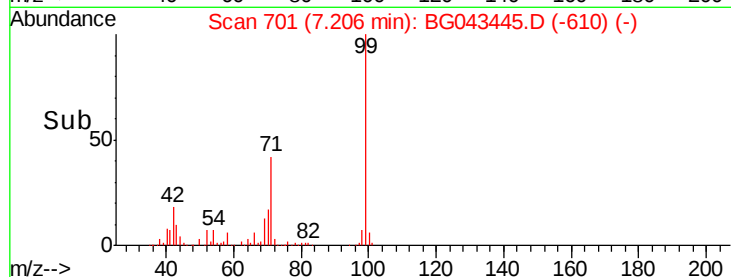
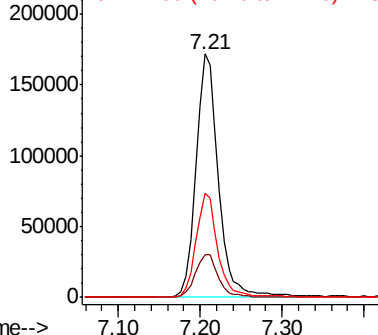
99 100

42 17.6 14.9 22.3

71 42.5 32.2 48.2



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: 2.546 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

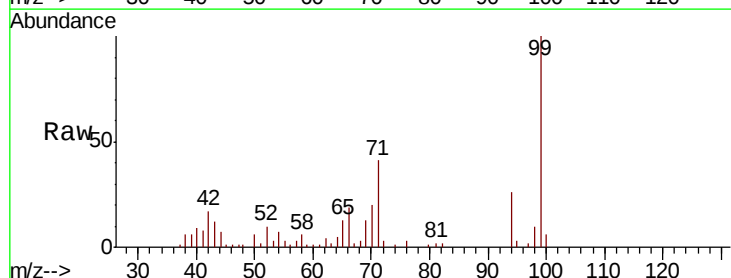
Tgt Ion: 94 Resp: 8864

Ion Ratio Lower Upper

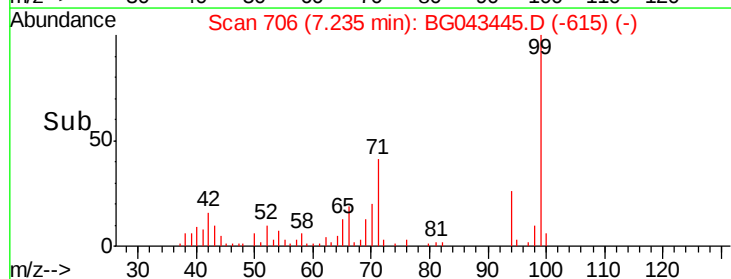
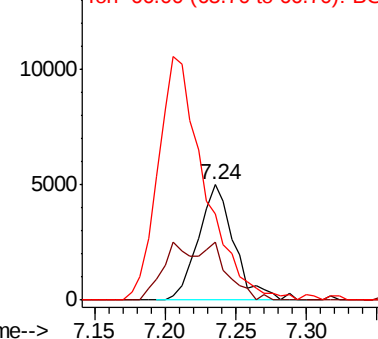
94 100

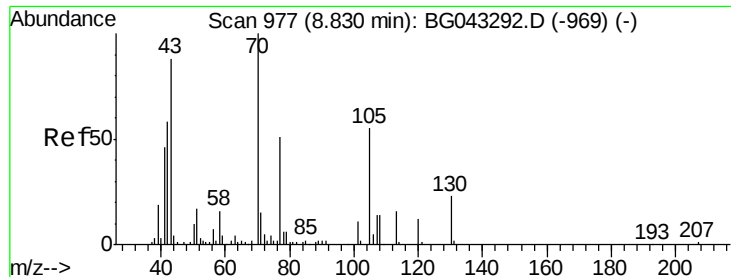
65 50.9 11.1 51.1

66 75.4 27.8 67.8#



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: 10.725 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 26408

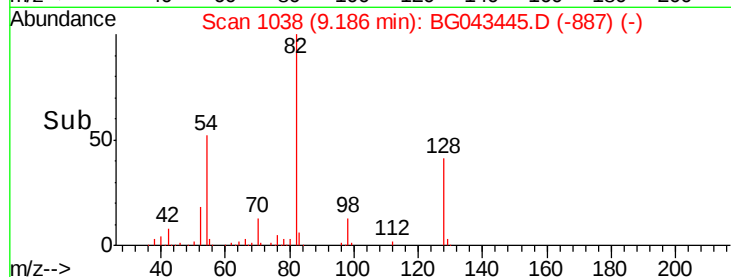
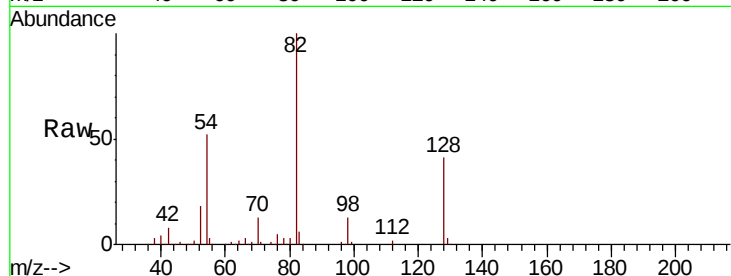
Ion Ratio Lower Upper

70 100

42 59.0 46.2 69.2

101 0.0 8.6 13.0#

130 2.0 18.6 27.8#

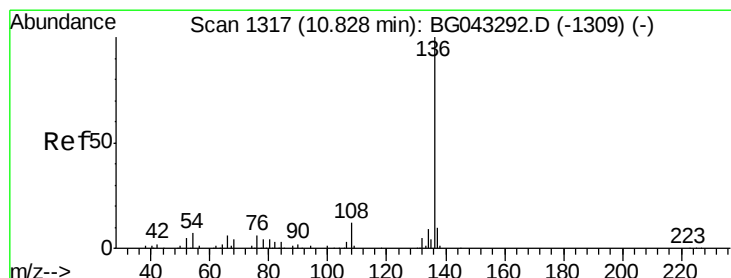
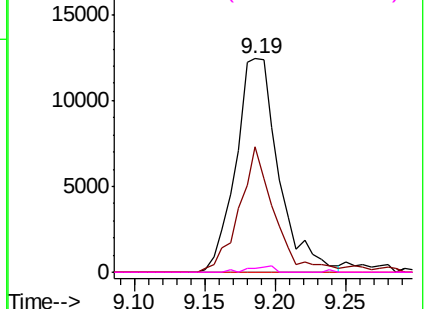


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Tgt Ion:136 Resp: 181033

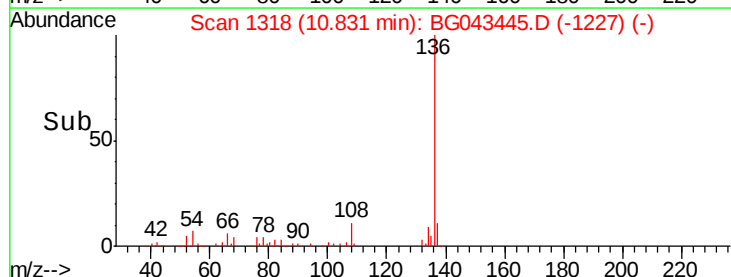
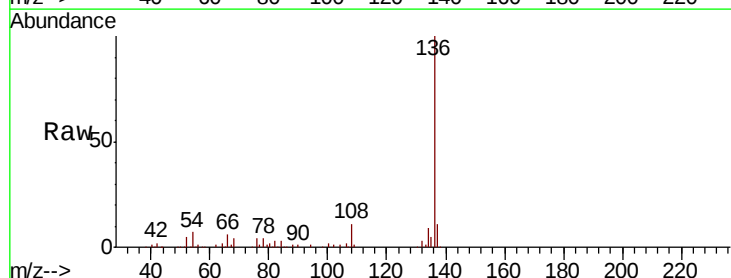
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.2

54 7.4 5.4 8.2

68 3.8 3.3 4.9

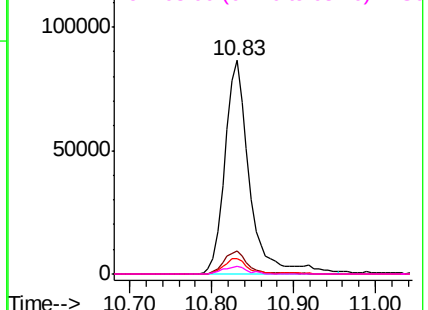


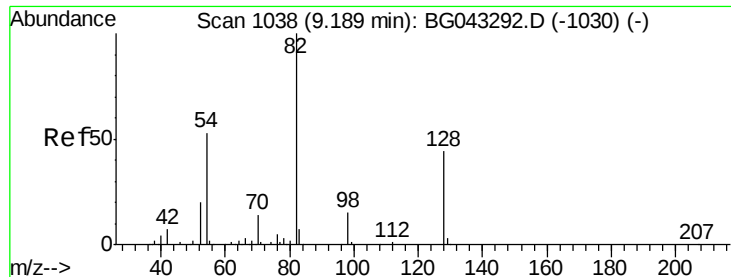
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

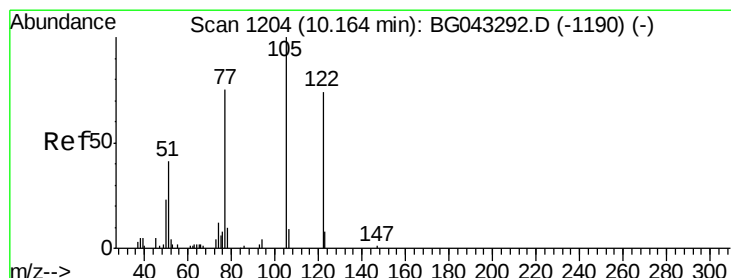
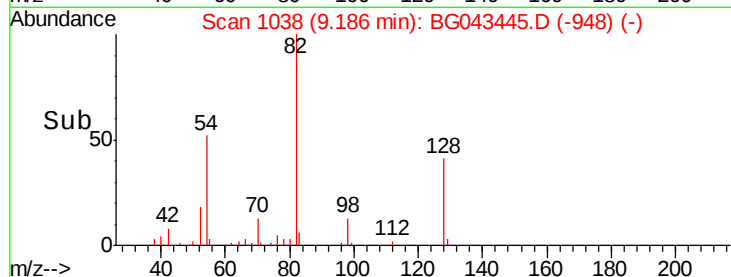
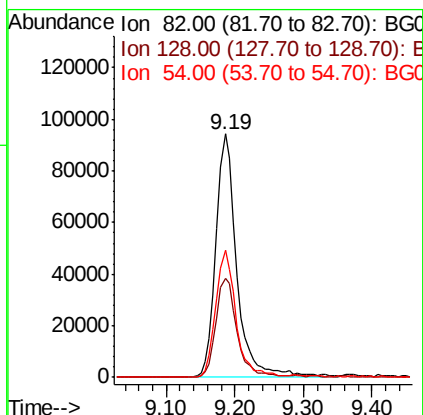
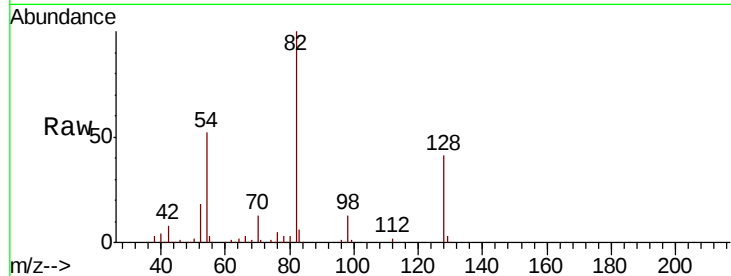




#23
Nitrobenzene-d5
Concen: 56.949 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043445.D
Acq: 31 Oct 2019 22:16

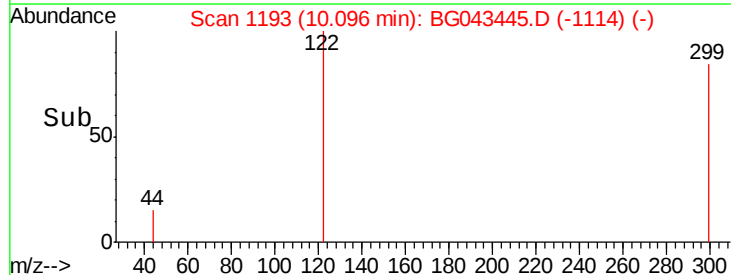
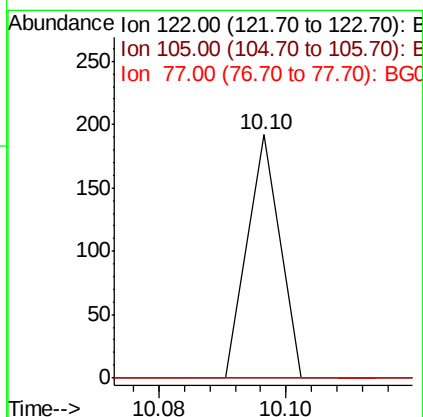
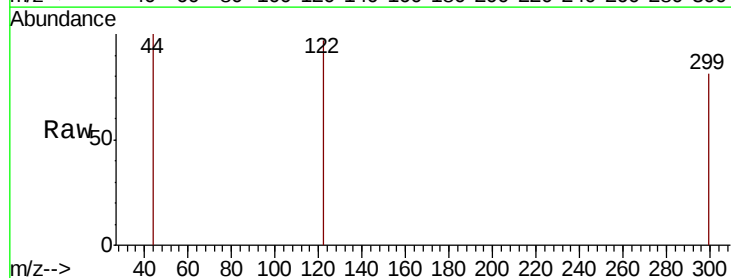
Instrument :
BNA_G
ClientSampleId :

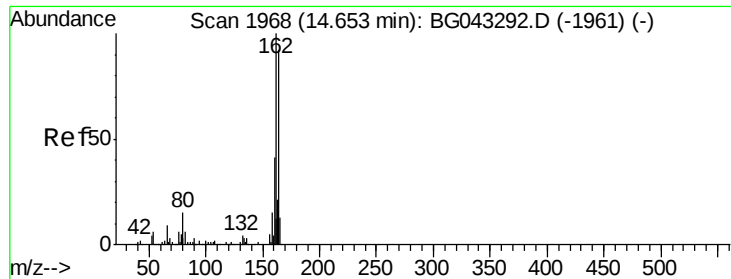
Tot Ion	82	Resp	199974
Ion Ratio	Lower	Upper	
82	100		
128	40.9	35.3	52.9
54	52.1	42.3	63.5



#32
Benzoic acid
Concen: 9.080 ng
RT: 10.10 min Scan# 1193
Delta R.T. -0.07 min
Lab File: BG043445.D
Acq: 31 Oct 2019 22:16

Tgt Ion	122	Resp	68
Ion Ratio	Lower	Upper	
122	100		
105	0.0	112.4	152.4#
77	0.0	82.7	122.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA_G

ClientSampleId :

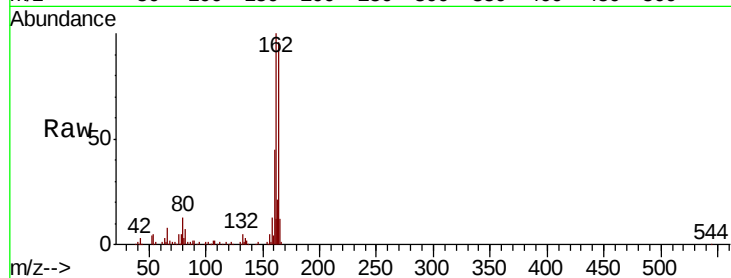
Tot Ion:164 Resp: 123449

Ion Ratio Lower Upper

164 100

162 104.4 87.0 130.4

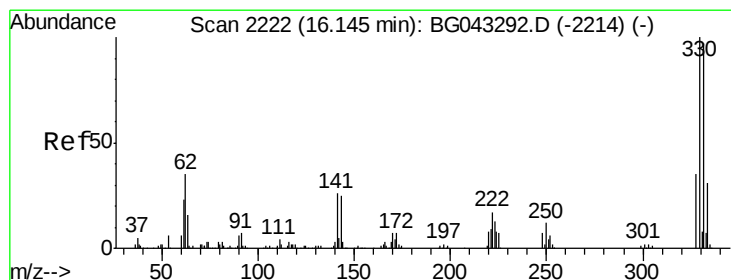
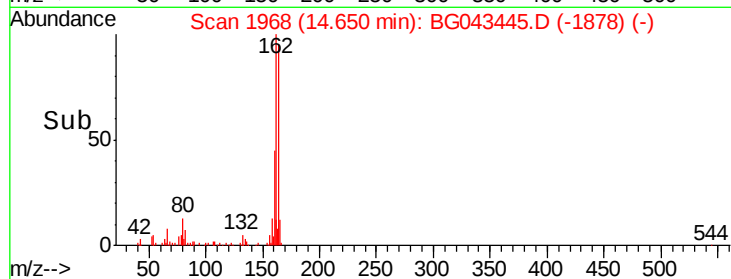
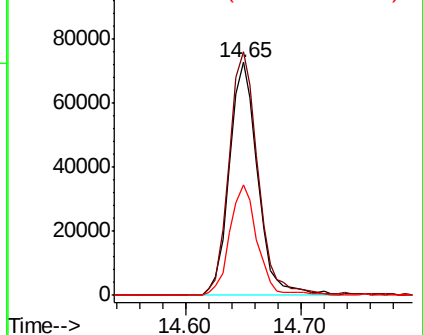
160 47.3 35.5 53.3



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: 75.776 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

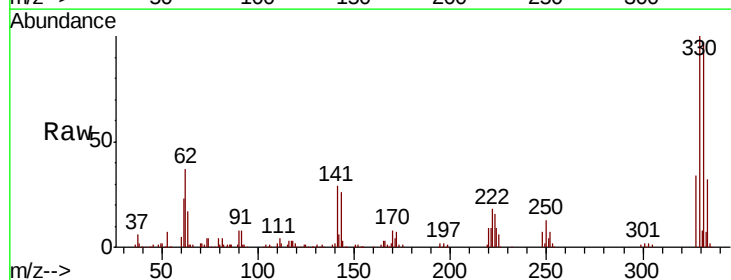
Tgt Ion:330 Resp: 178016

Ion Ratio Lower Upper

330 100

332 97.4 76.4 114.6

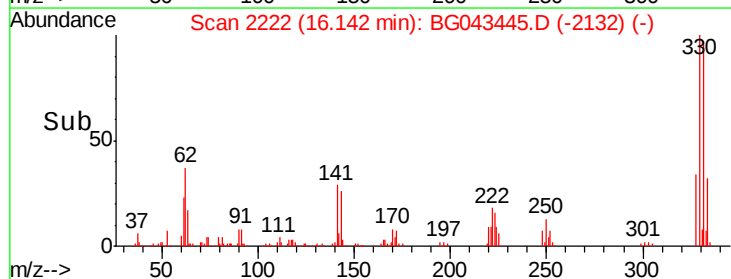
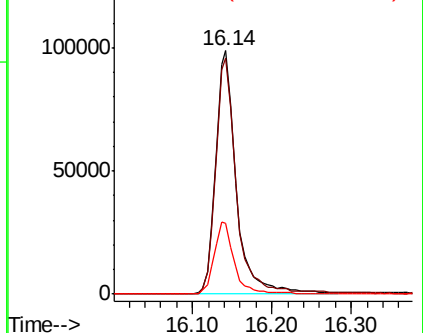
141 28.9 21.4 32.0

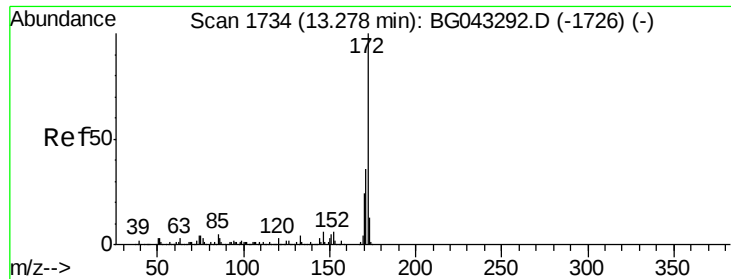


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

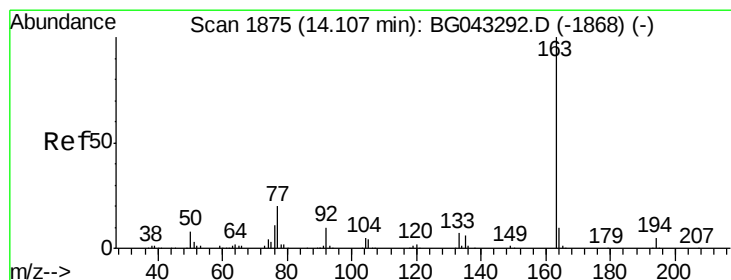
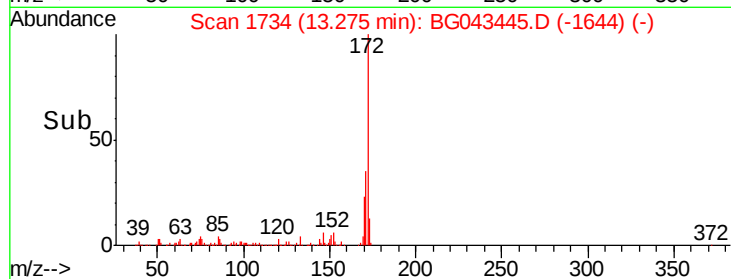
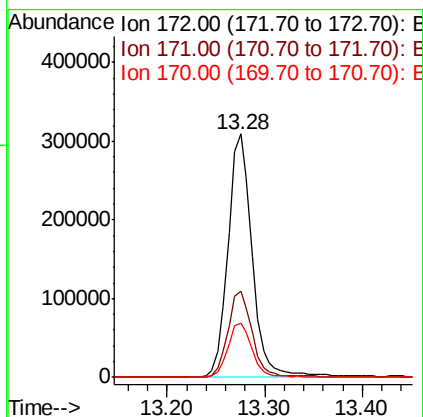
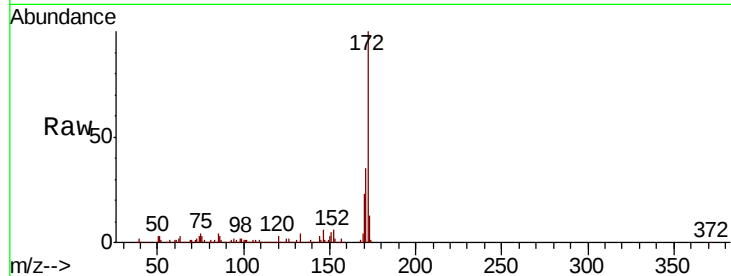




#45
 2-Fluorobiphenyl
 Concen: 59.557 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043445.D
 Acq: 31 Oct 2019 22:16

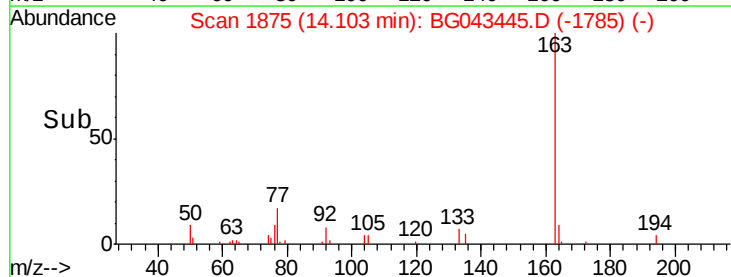
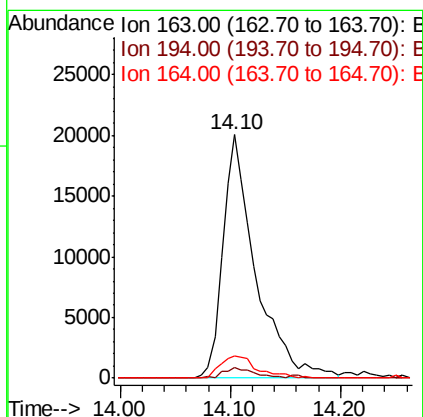
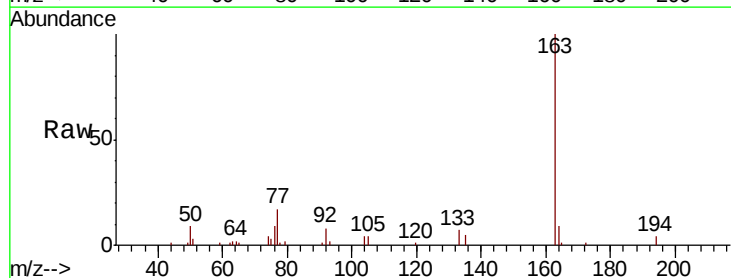
Instrument :
 BNA_G
 ClientSampleId :

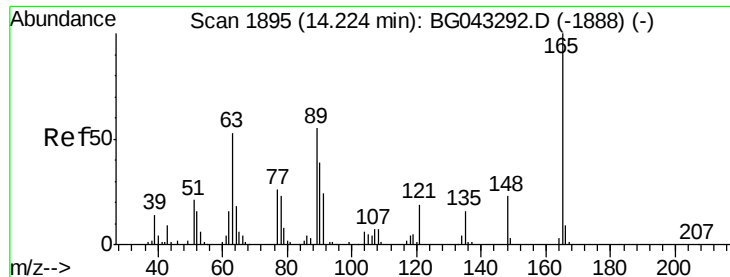
Tot Ion:172 Resp: 532073
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.5 42.7
 170 22.5 18.8 28.2



#50
 Dimethylphthalate
 Concen: 4.341 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. -0.00 min
 Lab File: BG043445.D
 Acq: 31 Oct 2019 22:16

Tgt Ion:163 Resp: 41508
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.7 5.5
 164 8.9 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 7.690 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.42 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA_G

ClientSampleId :

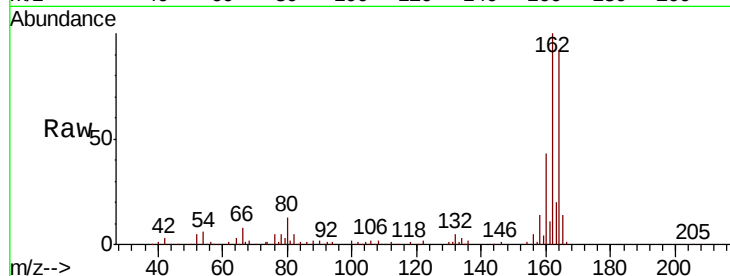
Tot Ion:165 Resp: 15974

Ion Ratio Lower Upper

165 100

63 0.0 47.1 70.7#

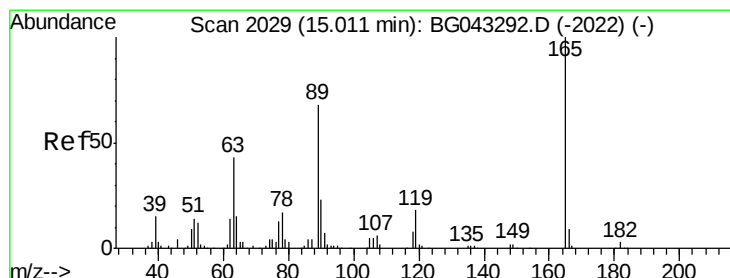
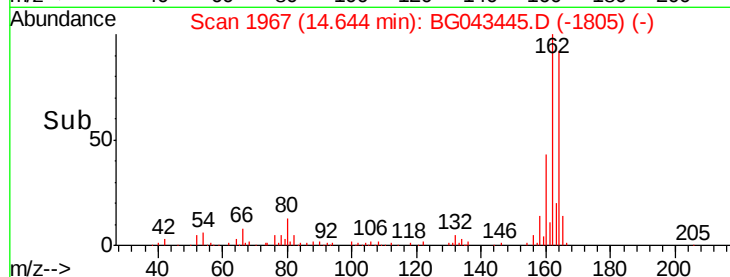
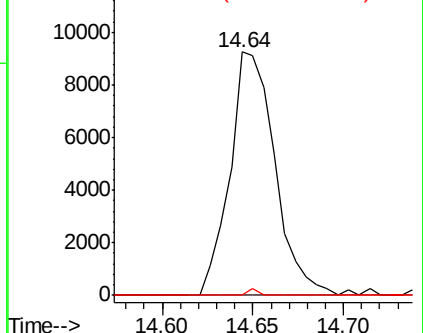
89 0.0 43.7 65.5#



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: 5.381 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.37 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Tgt Ion:165 Resp: 15974

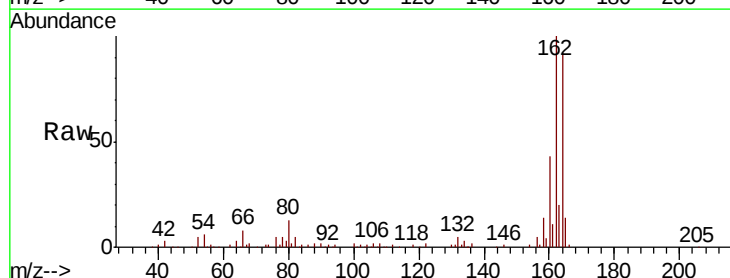
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.6#

89 0.0 54.1 81.1#

182 0.0 2.2 3.2#

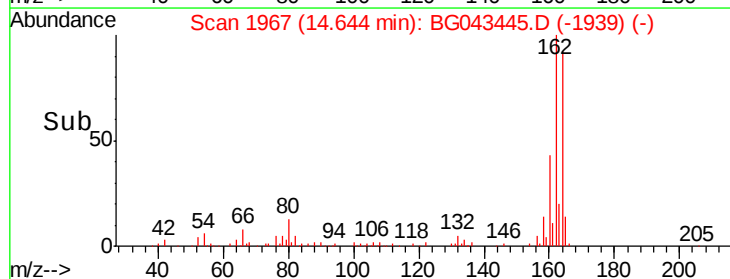
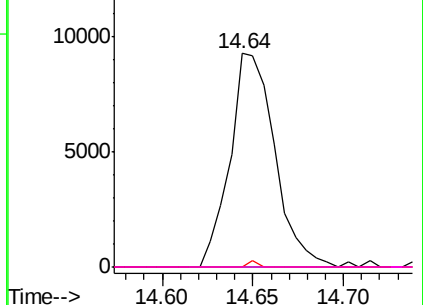


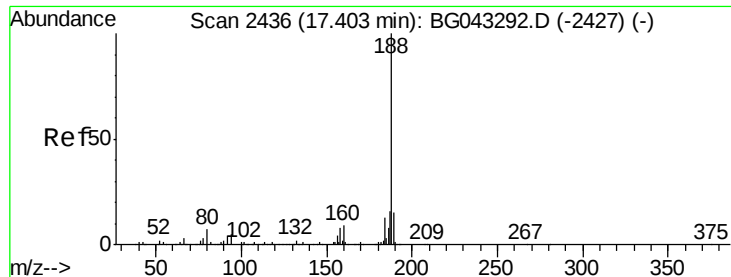
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA_G

ClientSampleId :

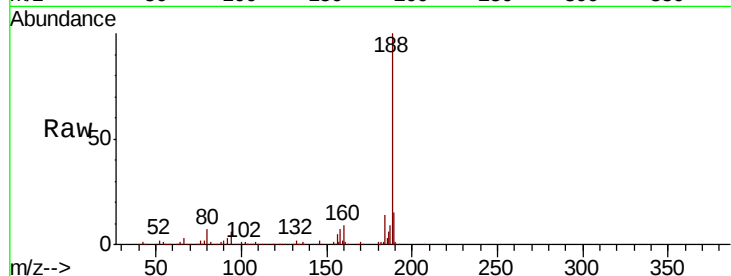
Tot Ion:188 Resp: 288559

Ion Ratio Lower Upper

188 100

94 5.5 4.2 6.2

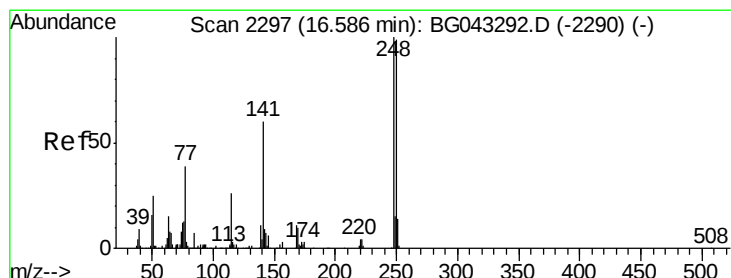
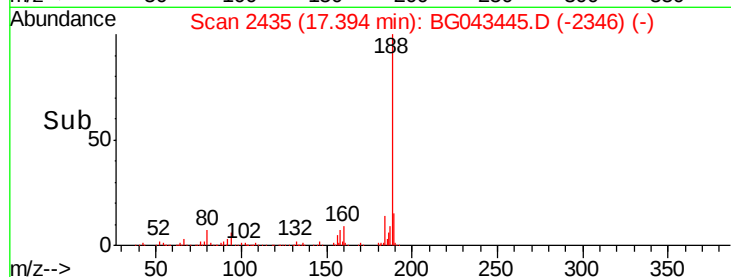
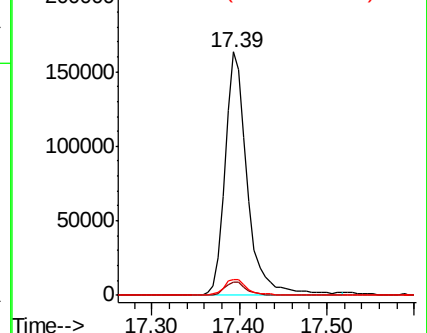
80 6.6 5.2 7.8



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: 2.984 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

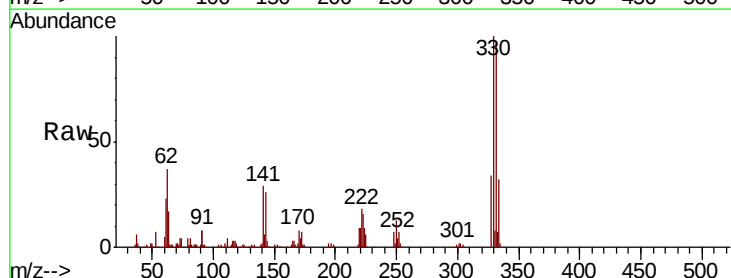
Tgt Ion:248 Resp: 11587

Ion Ratio Lower Upper

248 100

250 190.1 79.3 118.9#

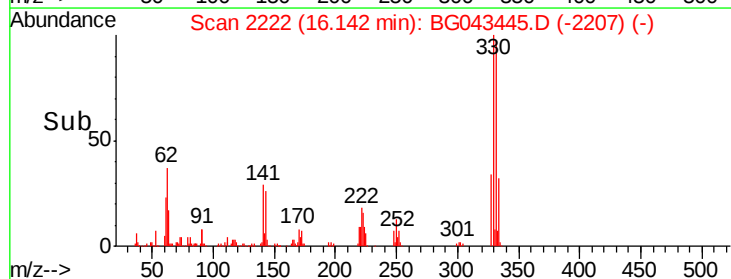
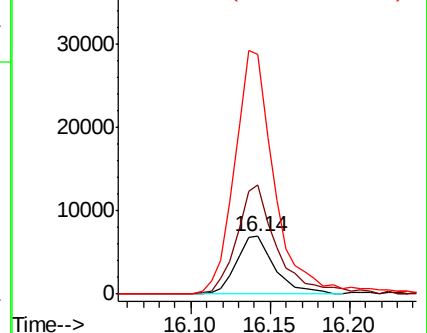
141 417.6 47.9 71.9#

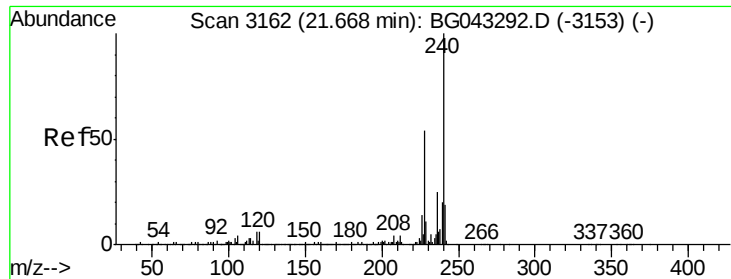


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA_G

ClientSampleId :

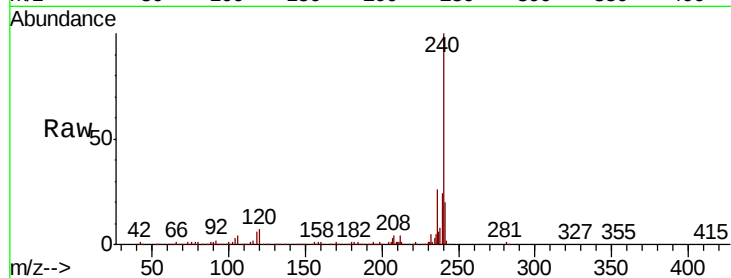
Tot Ion:240 Resp: 303966

Ion Ratio Lower Upper

240 100

120 6.6 4.6 7.0

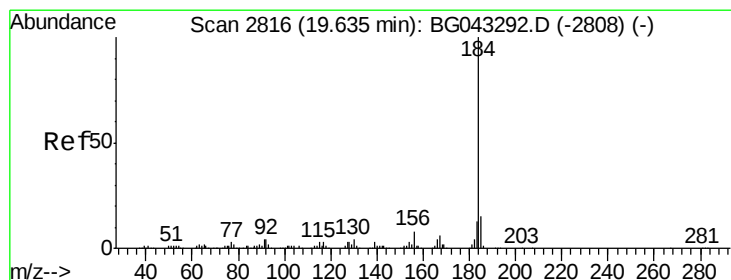
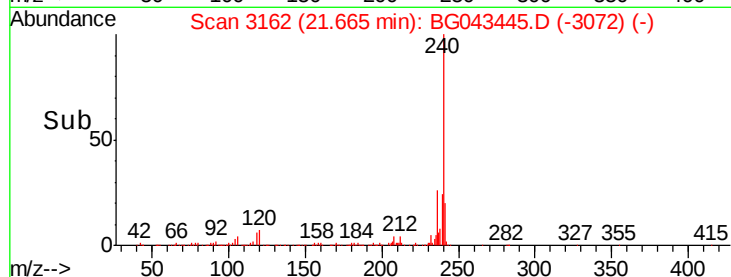
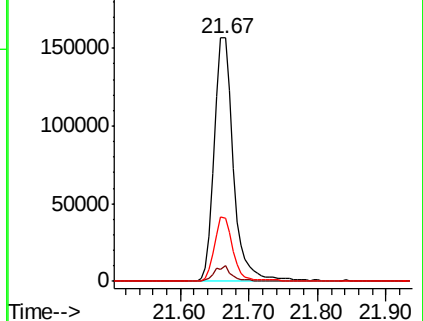
236 26.1 20.2 30.4



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: 2.232 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

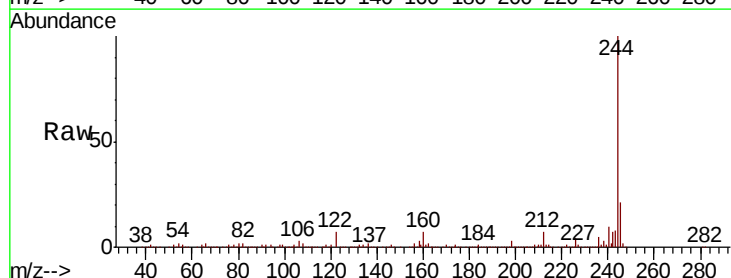
Tgt Ion:184 Resp: 13652

Ion Ratio Lower Upper

184 100

185 18.5 11.8 17.6#

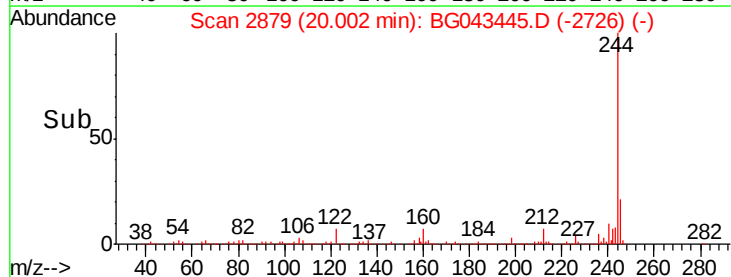
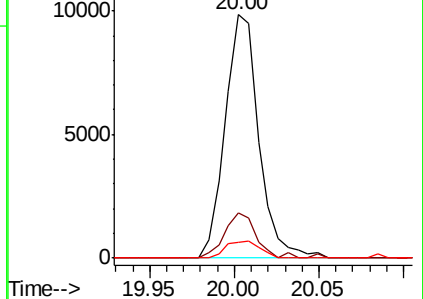
183 6.5 10.6 16.0#

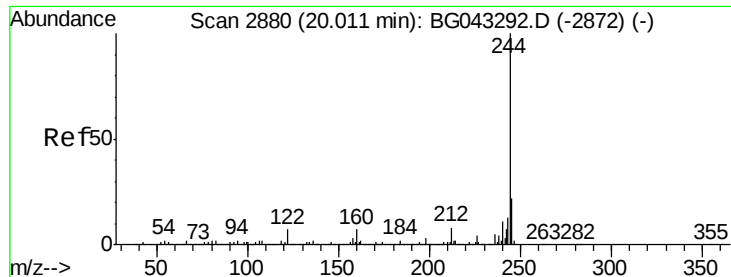


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 60.636 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

Instrument :

BNA_G

ClientSampled :

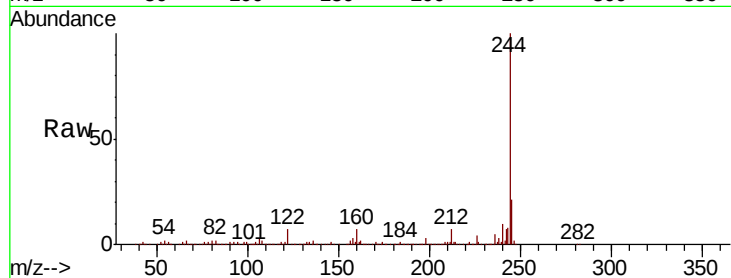
Tot Ion:244 Resp: 982442

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

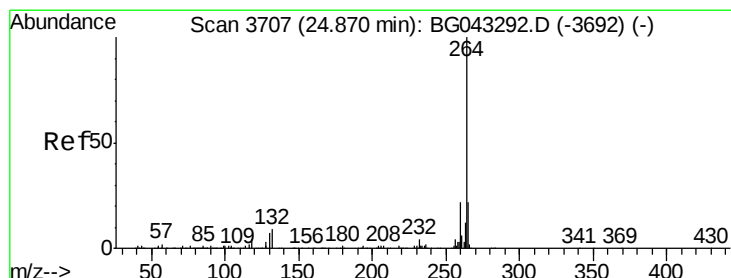
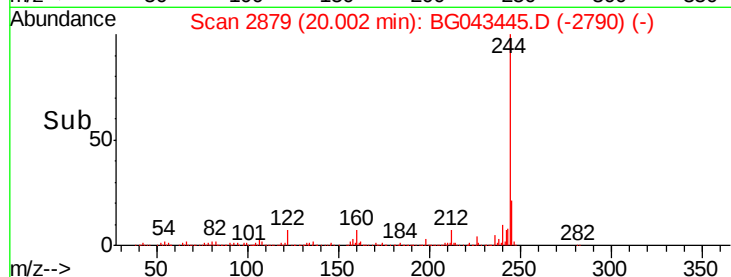
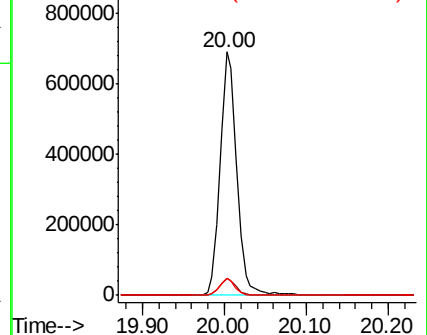
122 6.9 5.3 7.9



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: 24.87 min Scan# 3707

Delta R.T. -0.00 min

Lab File: BG043445.D

Acq: 31 Oct 2019 22:16

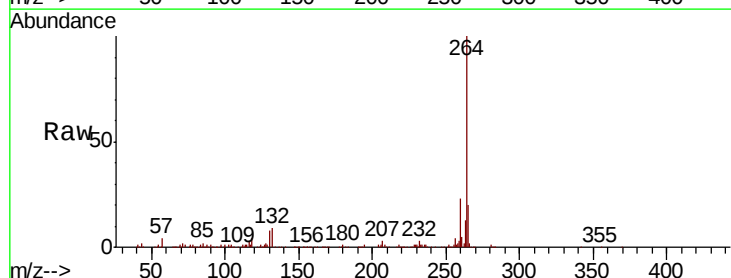
Tgt Ion:264 Resp: 350721

Ion Ratio Lower Upper

264 100

260 23.0 17.9 26.9

265 19.5 17.4 26.2



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

