

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112019\
 Data File : BG043729.D
 Acq On : 20 Nov 2019 15:54
 Operator : JU
 Sample : K5904-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 21 00:35:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

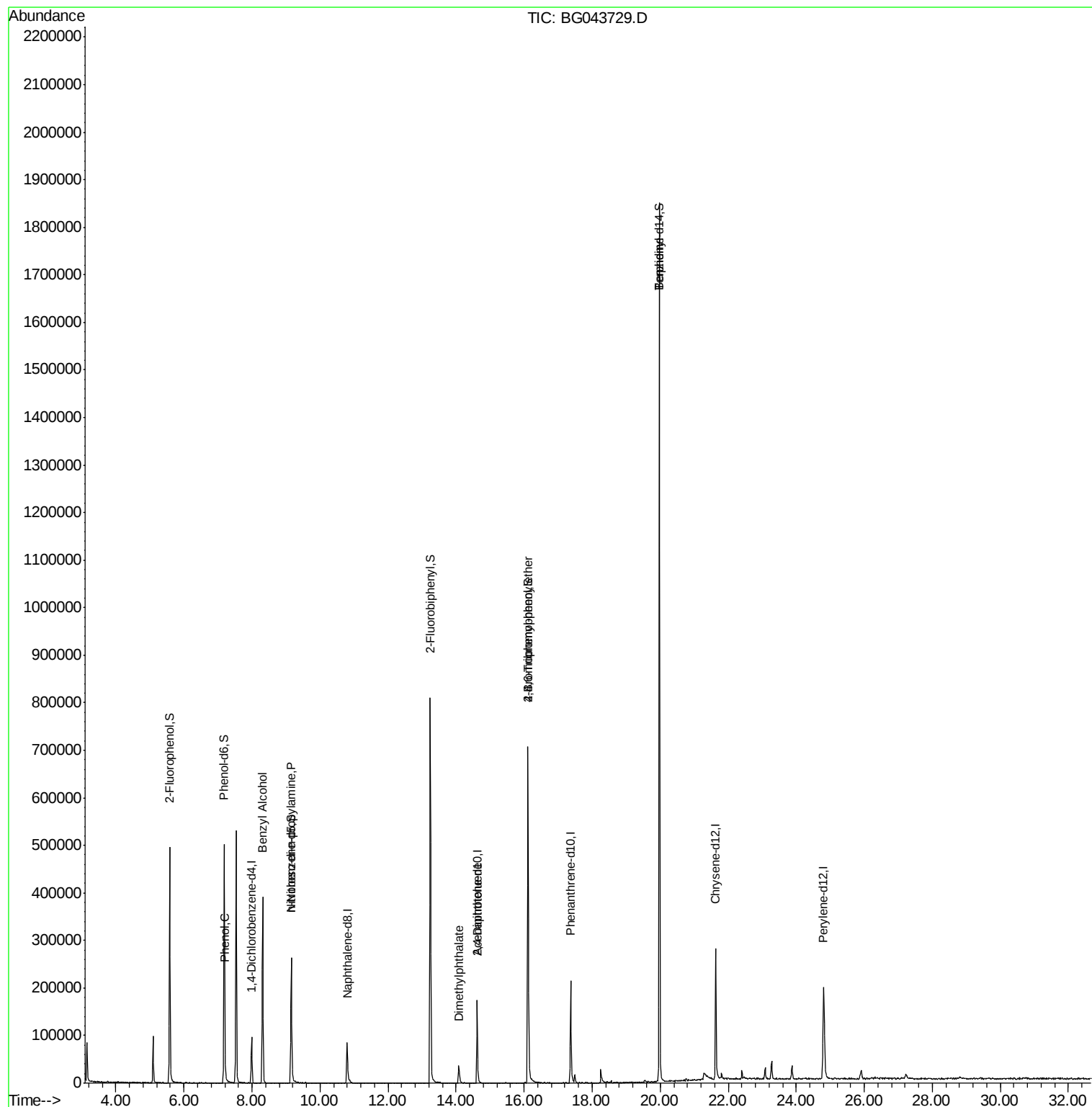
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	27724	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	101951	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	69465	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	181897	20.00	ng	0.00
76) Chrysene-d12	21.63	240	201794	20.00	ng	0.00
87) Perylene-d12	24.81	264	226370	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	230261	152.19	ng	0.00
7) Phenol-d6	7.18	99	307832	141.42	ng	0.00
23) Nitrobenzene-d5	9.15	82	188679	95.41	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	181015	136.93	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	487666	97.01	ng	0.00
79) Terphenyl-d14	19.98	244	1003947	93.34	ng	0.00
Target Compounds						
10) Phenol	7.21	94	12134	6.100	ng	# 74
15) Benzyl Alcohol	8.30	79	3536	2.313	ng	# 27
19) n-Nitroso-di-n-propylamine	9.15	70	25374	18.039	ng	# 72
50) Dimethylphthalate	14.08	163	40010	7.436	ng	# 97
57) 2,4-Dinitrotoluene	14.62	165	9553	5.719	ng	# 25
67) 4-Bromophenyl-phenylether	16.11	248	11189	4.571	ng	# 1
77) Benzidine	19.98	184	15255	3.756	ng	# 56

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

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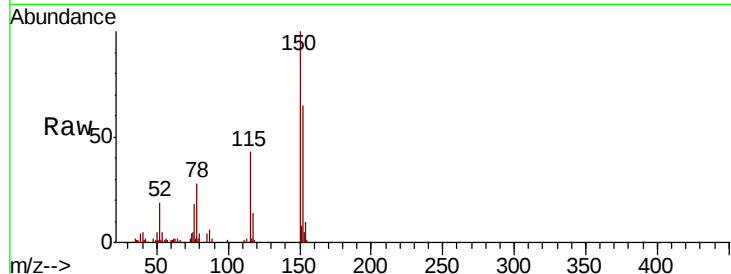


#1

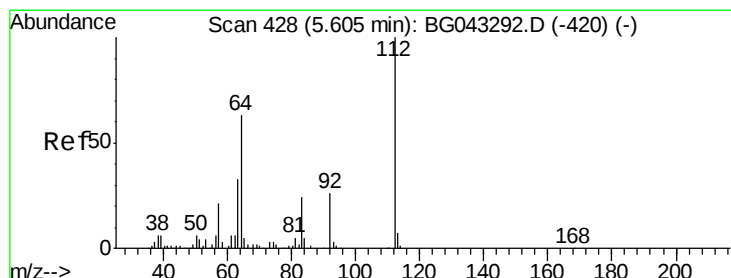
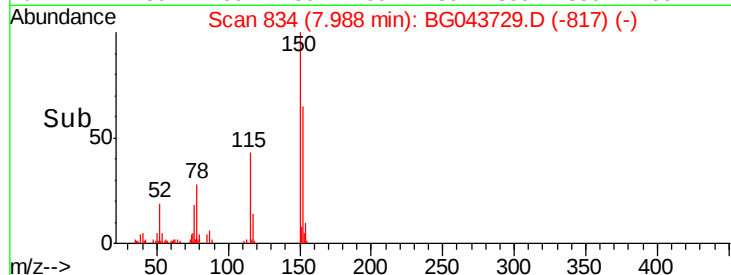
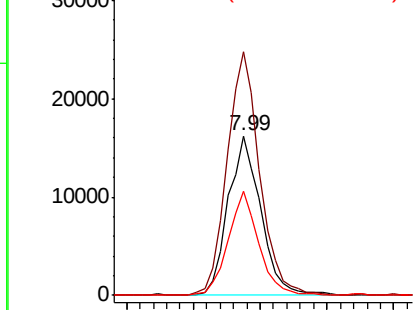
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043729.D
Acq: 20 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27724
Ion Ratio Lower Upper
152 100
150 152.9 116.6 175.0
115 65.6 40.5 60.7#



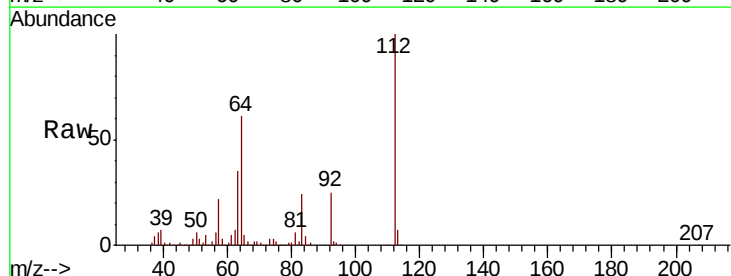
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



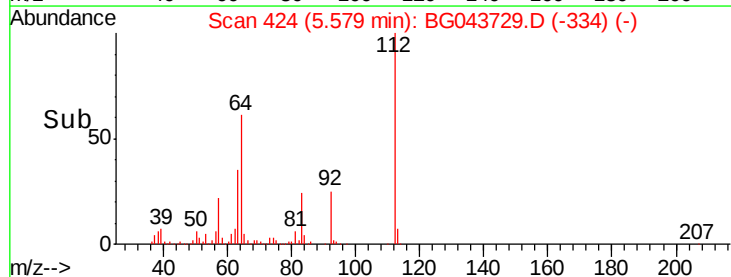
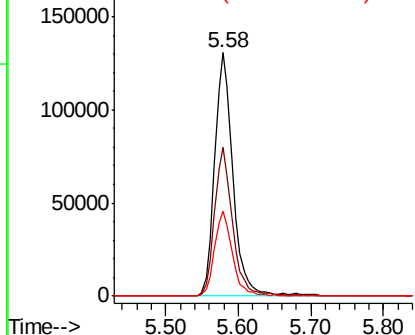
#5

2-Fluorophenol
Concen: 152.193 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG043729.D
Acq: 20 Nov 2019 15:54

Tgt Ion:112 Resp: 230261
Ion Ratio Lower Upper
112 100
64 61.0 50.6 75.8
63 34.9 30.5 45.7



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: 141.416 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

Instrument :

BNA_G

ClientSampled :

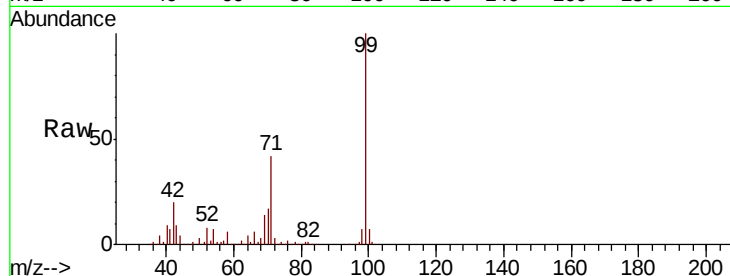
Tot Ion: 99 Resp: 307832

Ion Ratio Lower Upper

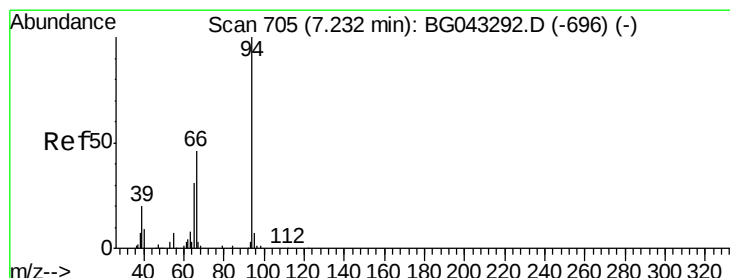
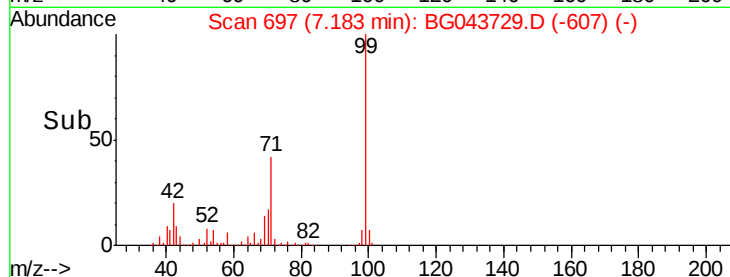
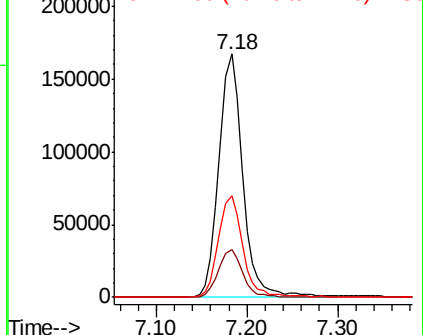
99 100

42 19.5 15.8 23.8

71 41.8 34.4 51.6



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



#10

Phenol

Concen: 6.100 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

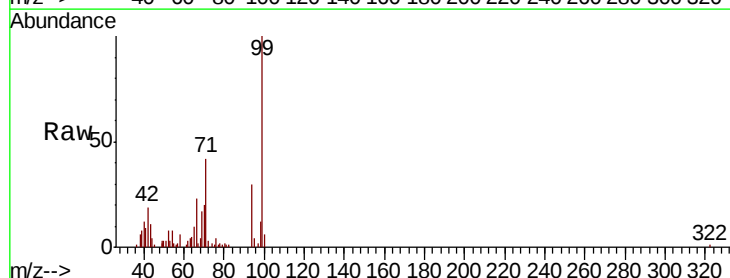
Tgt Ion: 94 Resp: 12134

Ion Ratio Lower Upper

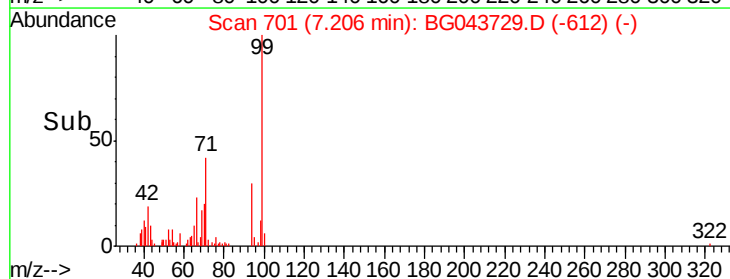
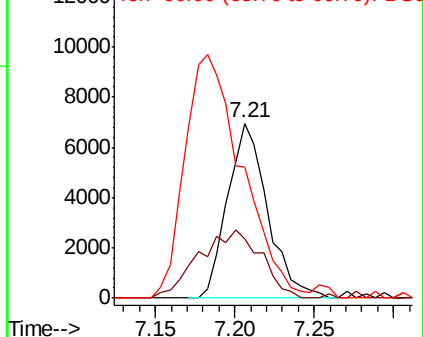
94 100

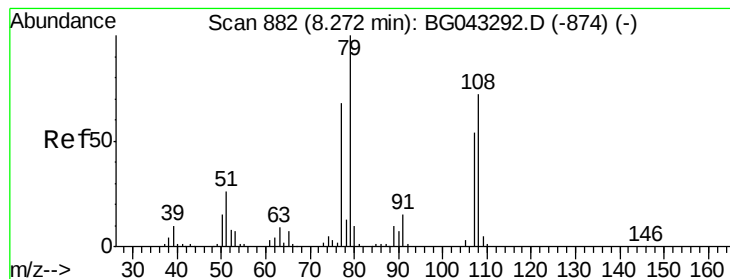
65 34.1 11.4 51.4

66 75.3 28.4 68.4#



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: 2.313 ng

RT: 8.30 min Scan# 888

Delta R.T. 0.07 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

Instrument :

BNA_G

ClientSampleId :

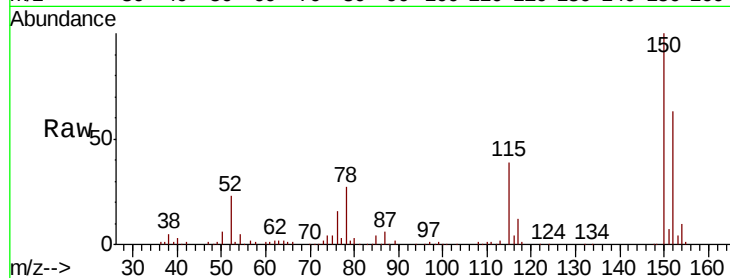
Tot Ion: 79 Resp: 3536

Ion Ratio Lower Upper

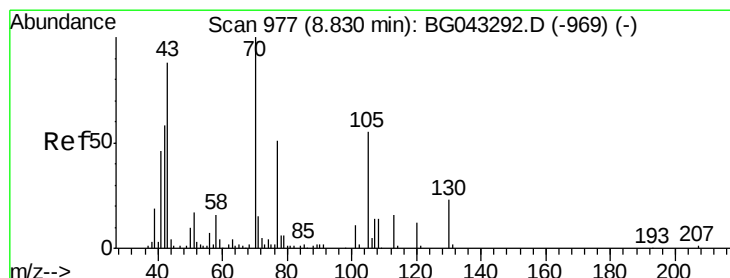
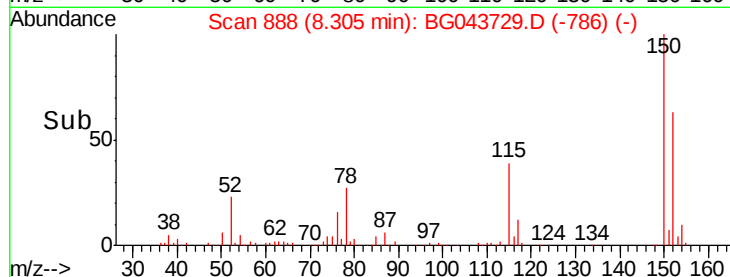
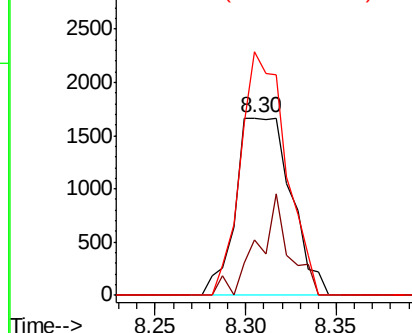
79 100

108 31.5 56.0 84.0#

77 137.3 47.9 71.9#



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: 18.039 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.36 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

Tgt Ion: 70 Resp: 25374

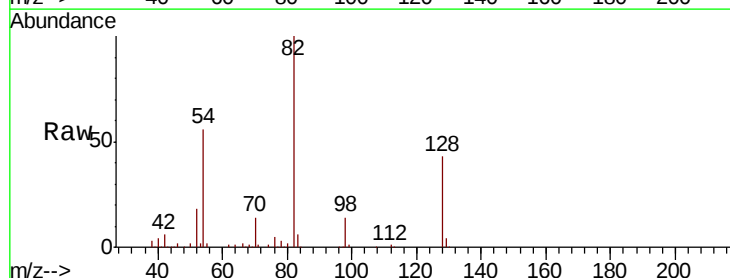
Ion Ratio Lower Upper

70 100

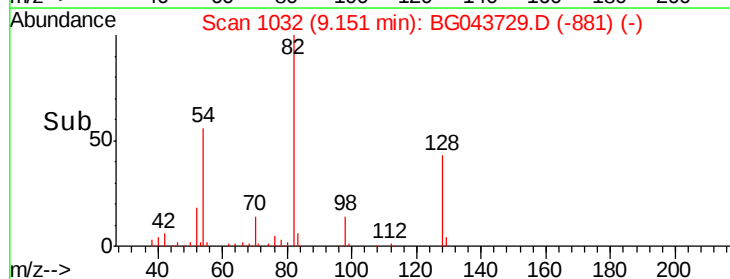
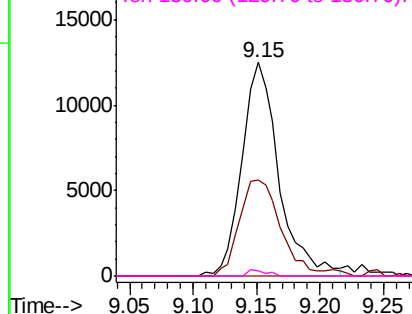
42 44.8 49.7 74.5#

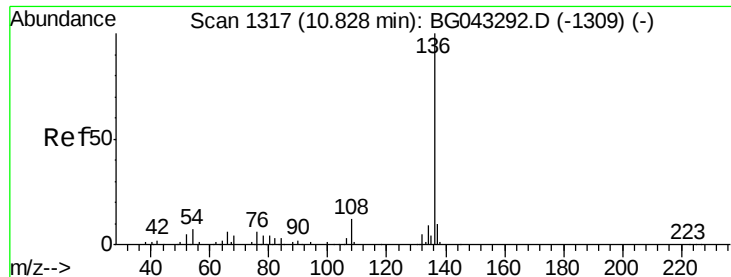
101 0.0 9.7 14.5#

130 2.3 17.7 26.5#



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# 1312

Delta R.T. 0.00 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 101951

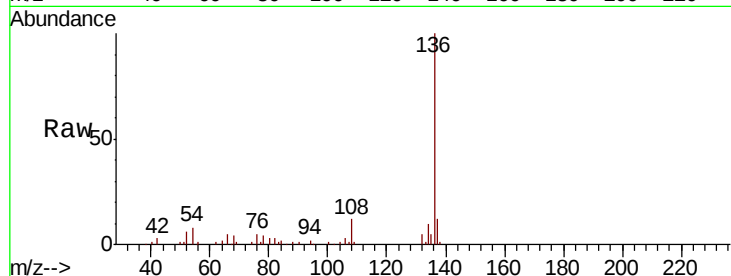
Ion Ratio Lower Upper

136 100

137 11.7 8.8 13.2

54 8.0 6.2 9.2

68 4.4 3.4 5.0

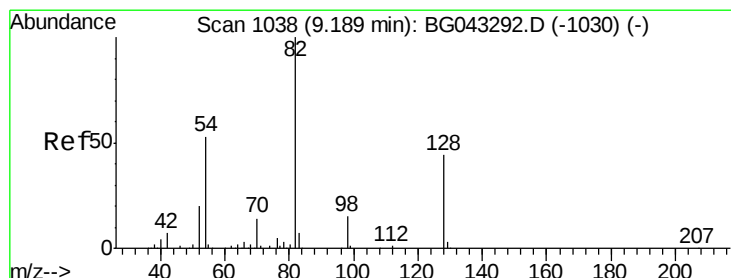
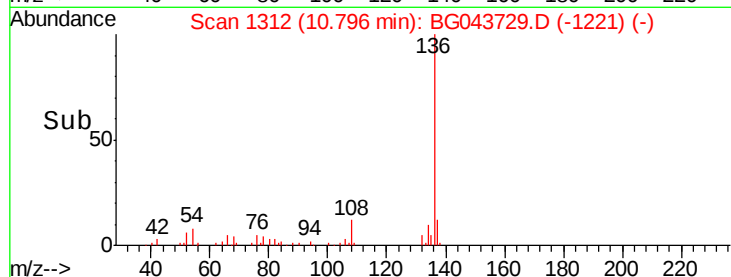
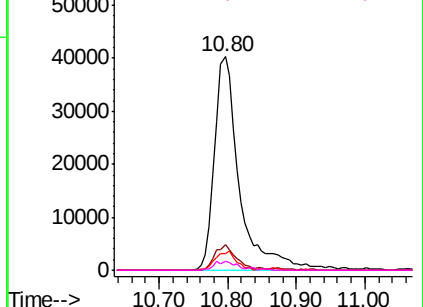


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.411 ng

RT: 9.15 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

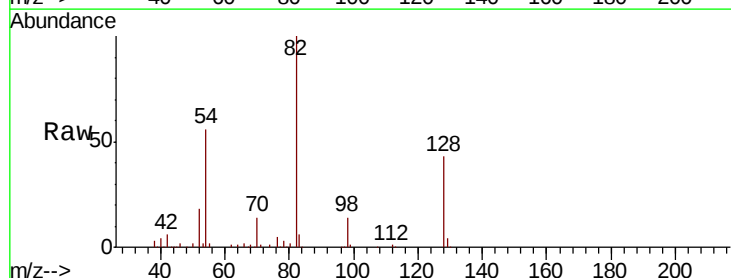
Tgt Ion: 82 Resp: 188679

Ion Ratio Lower Upper

82 100

128 43.2 34.2 51.4

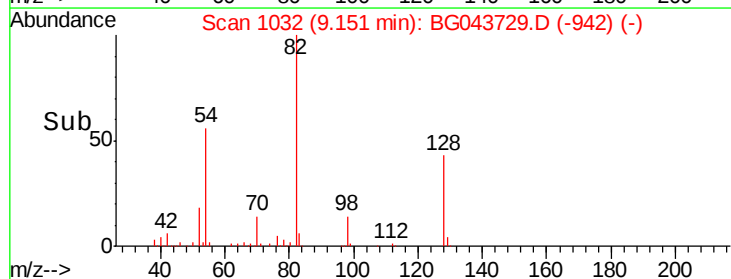
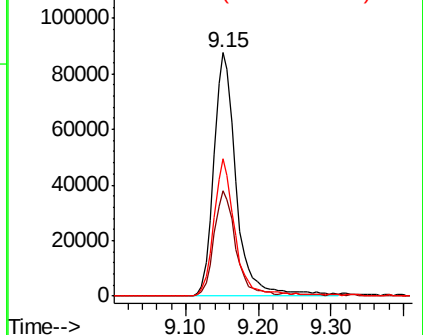
54 56.3 44.7 67.1

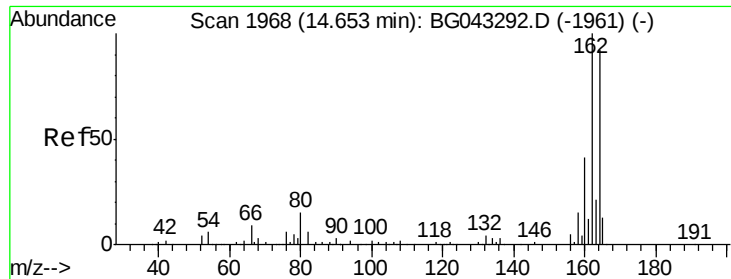


Abundance Ion 82.00 (81.70 to 82.70): BGC

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. -0.00 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

Instrument :

BNA_G

ClientSampleId :

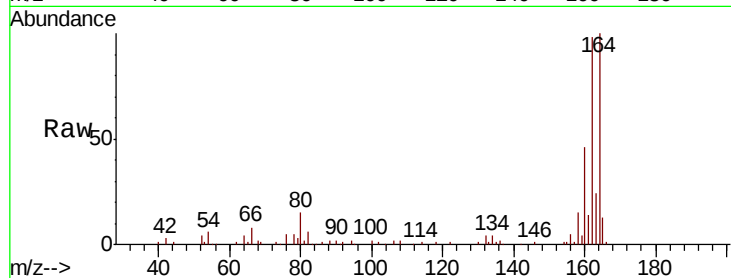
Tot Ion:164 Resp: 69465

Ion Ratio Lower Upper

164 100

162 98.4 79.4 119.2

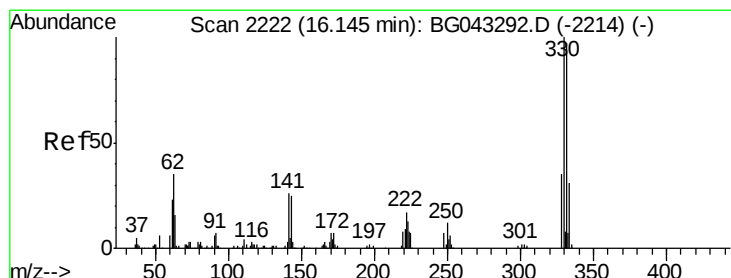
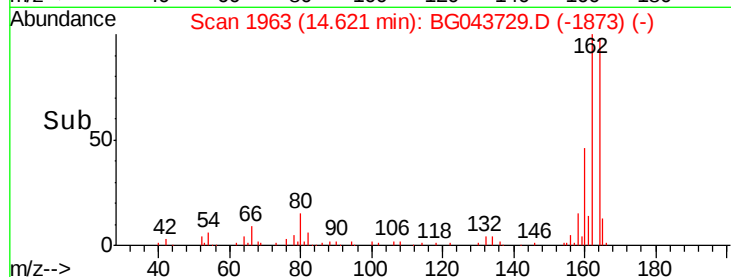
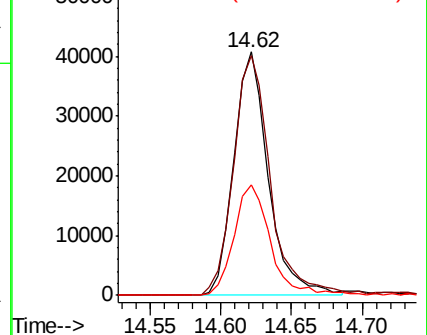
160 45.5 36.3 54.5



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: 136.933 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

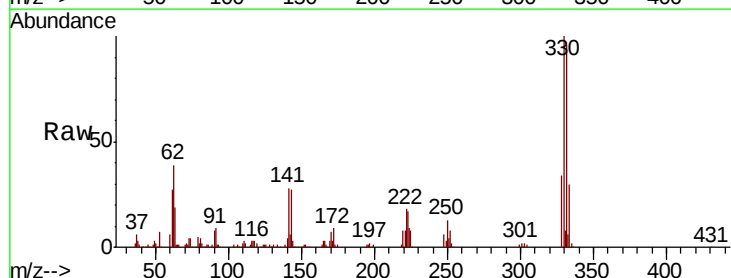
Tgt Ion:330 Resp: 181015

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

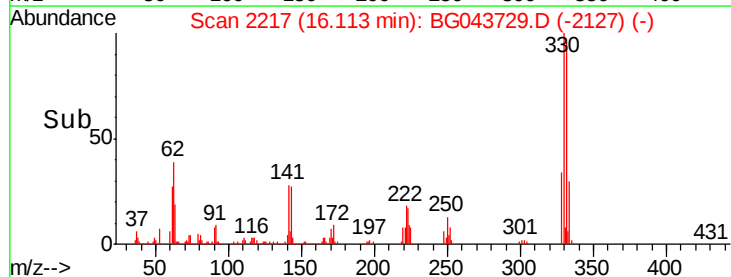
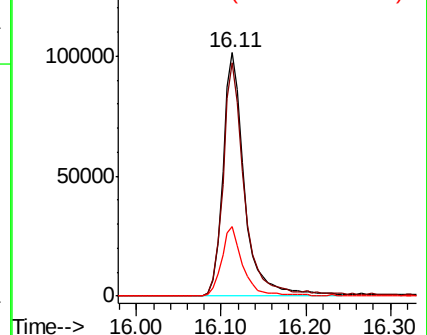
141 28.6 23.4 35.2

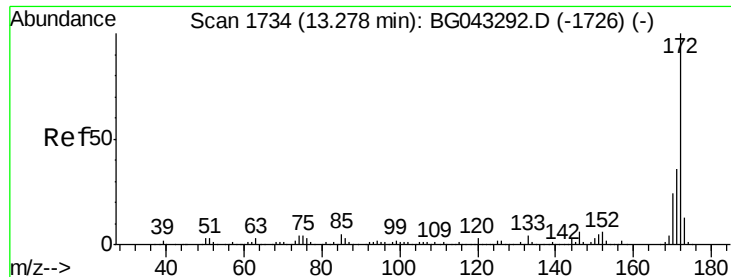


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



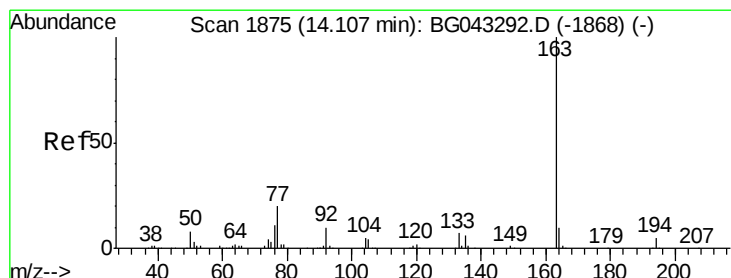
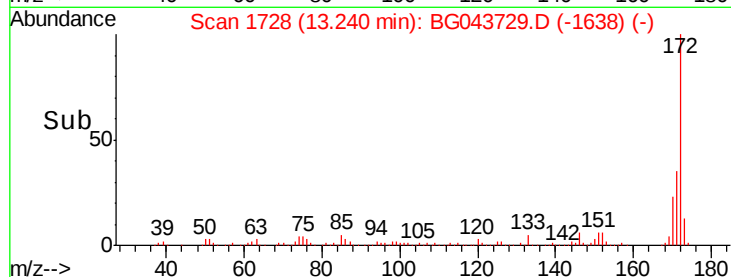
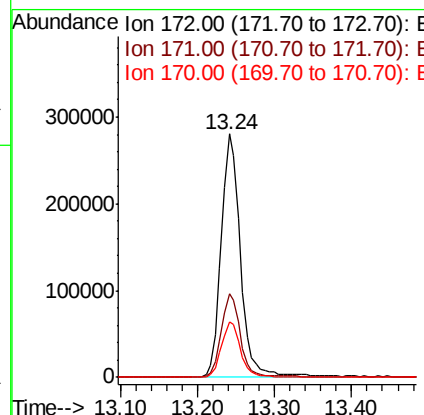
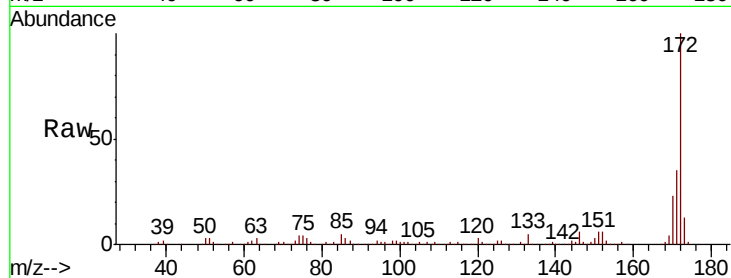


#45
 2-Fluorobiphenyl
 Concen: 97.007 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG043729.D
 Acq: 20 Nov 2019 15:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 487666

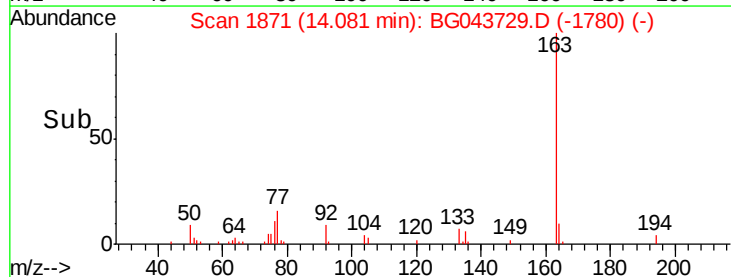
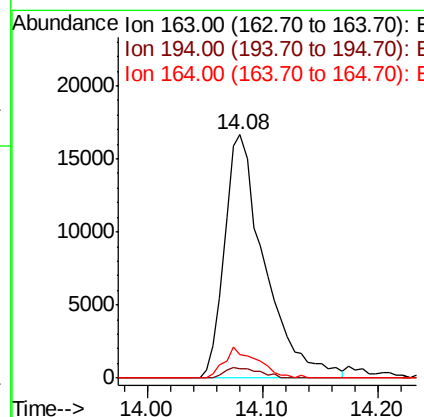
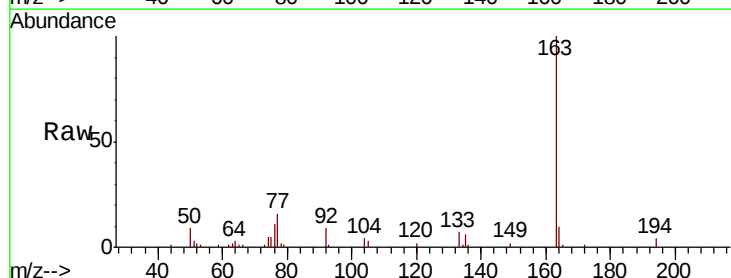
Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.1	42.1
170	23.0	18.8	28.2

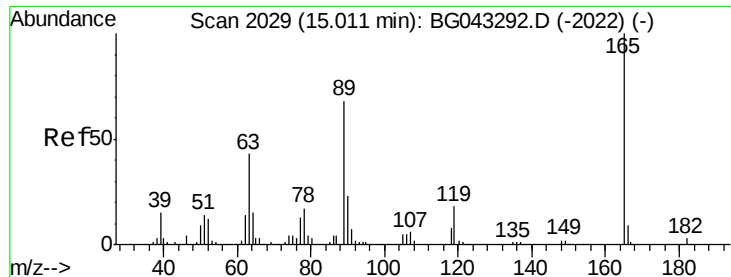


#50
 Dimethylphthalate
 Concen: 7.436 ng
 RT: 14.08 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BG043729.D
 Acq: 20 Nov 2019 15:54

Tgt Ion:163 Resp: 40010

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.8	5.8
164	9.6	8.5	12.7

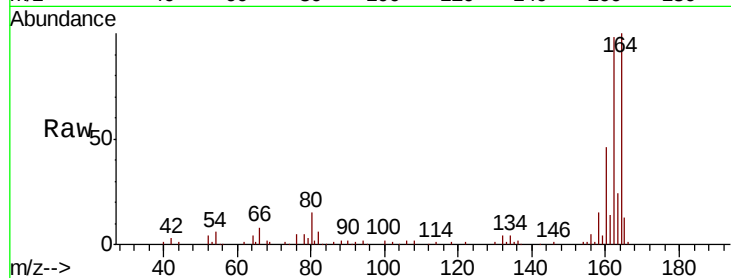




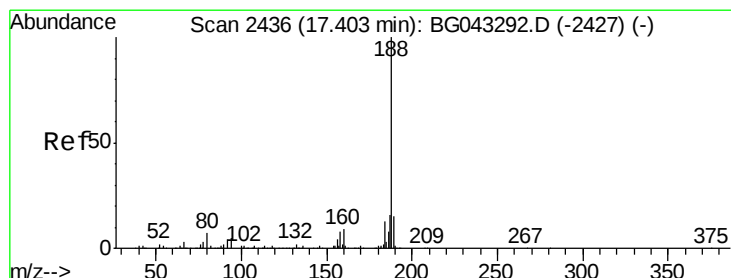
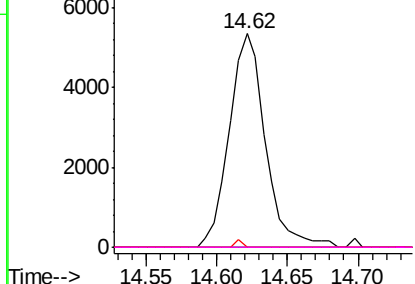
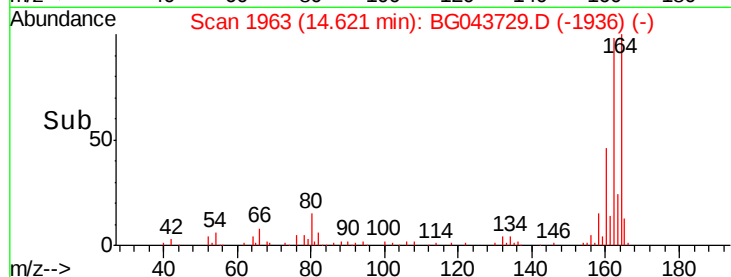
#57
2,4-Dinitrotoluene
Concen: 5.719 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.37 min
Lab File: BG043729.D
Acq: 20 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 9553
Ion Ratio Lower Upper
165 100
63 0.0 37.4 56.0#
89 0.0 50.9 76.3#
182 0.0 2.3 3.5#

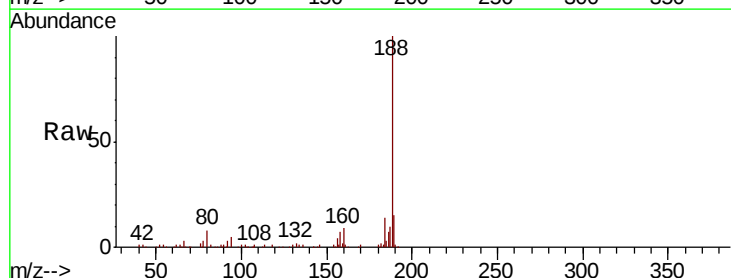


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

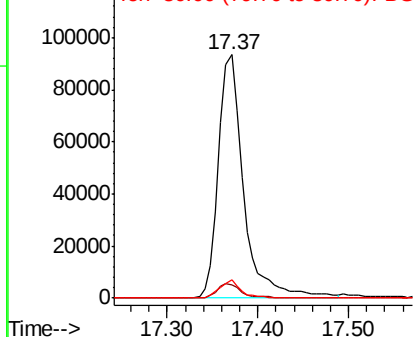
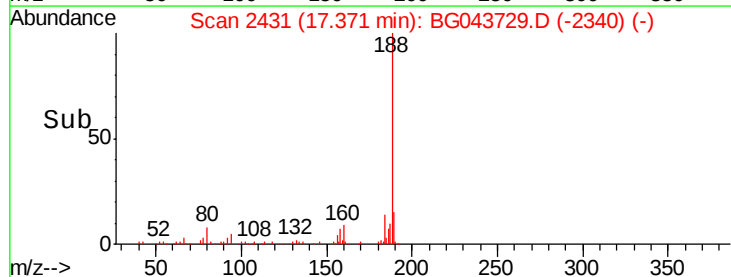


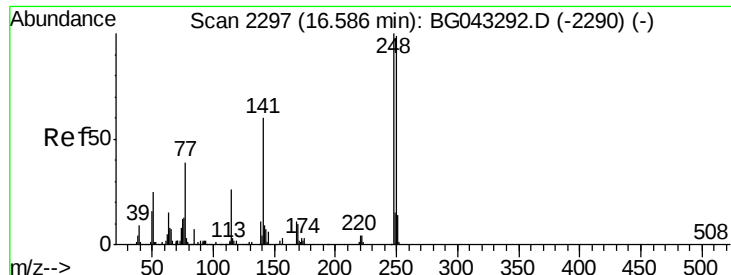
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BG043729.D
Acq: 20 Nov 2019 15:54

Tgt Ion:188 Resp: 181897
Ion Ratio Lower Upper
188 100
94 5.5 4.6 7.0
80 7.5 5.2 7.8



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

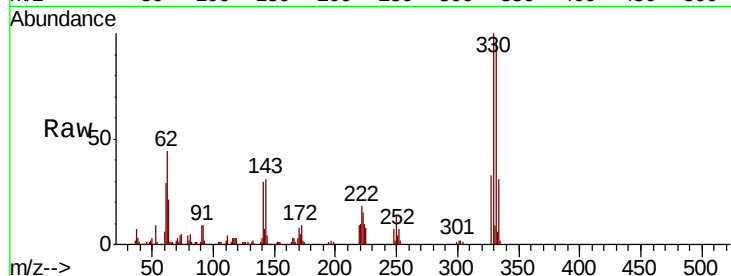




#67
4-Bromophenyl-phenylether
Concen: 4.571 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.45 min
Lab File: BG043729.D
Acq: 20 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	207.8	76.3	114.5#
141	447.0	49.5	74.3#

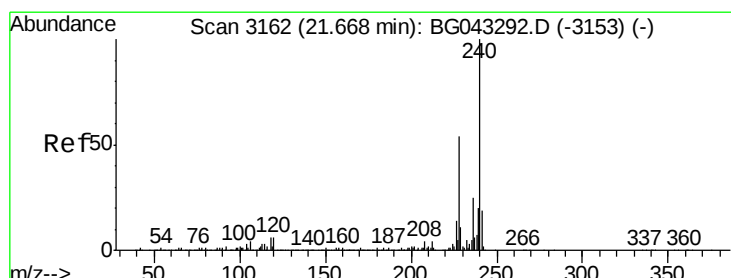
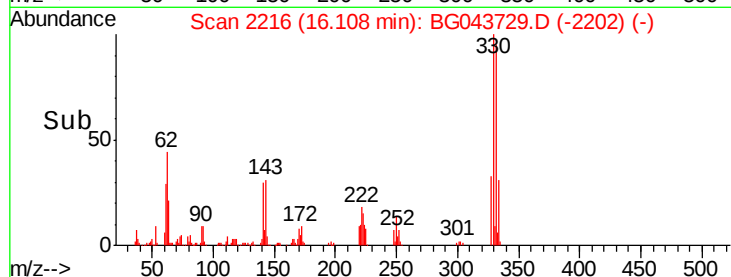
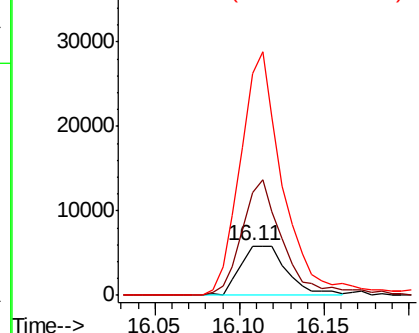


Abundance

Ion 248.00 (247.70 to 248.70): E

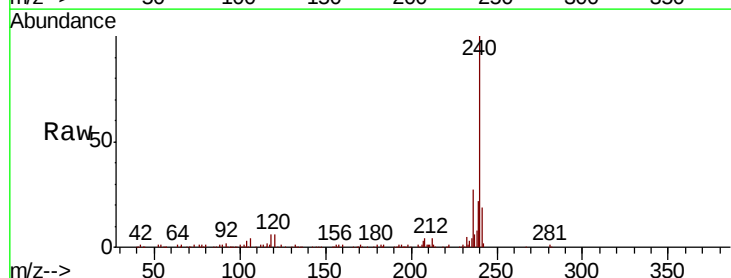
Ion 250.00 (249.70 to 250.70): E

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. -0.00 min
Lab File: BG043729.D
Acq: 20 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.9	7.3
236	26.9	21.4	32.0

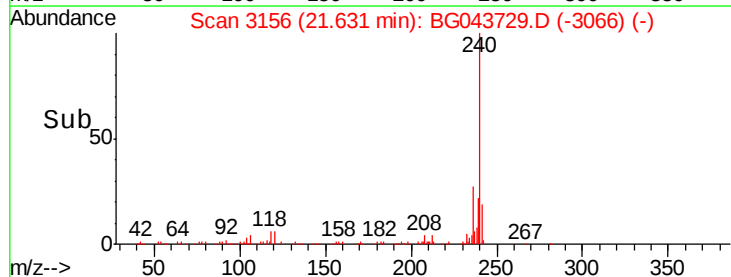
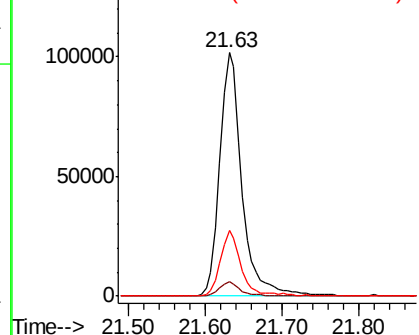


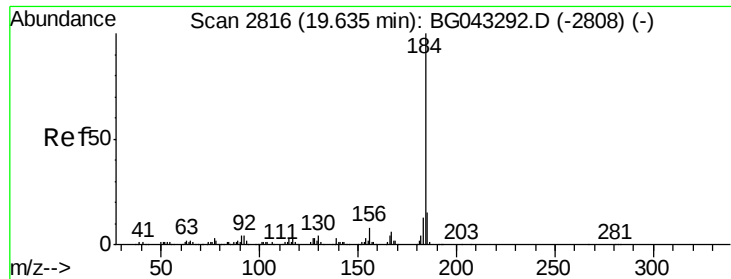
Abundance

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: 3.756 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.37 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

Instrument :

BNA_G

ClientSampleId :

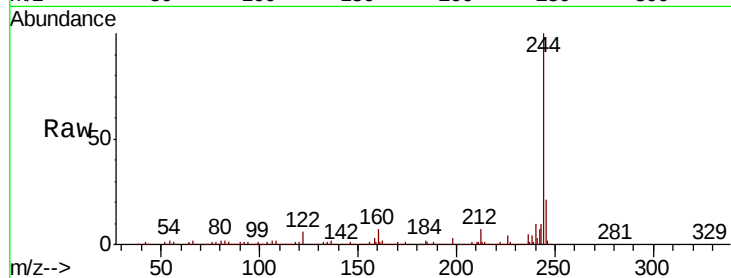
Tot Ion:184 Resp: 15255

Ion Ratio Lower Upper

184 100

185 46.8 12.7 19.1#

183 11.7 8.8 13.2

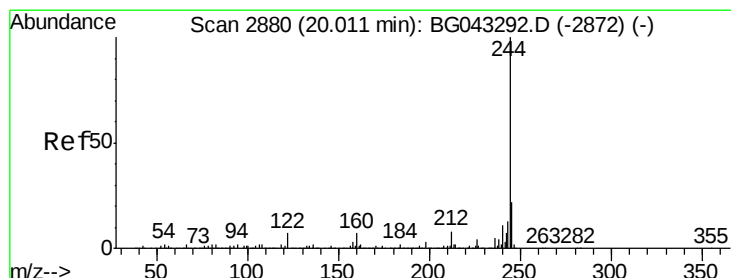
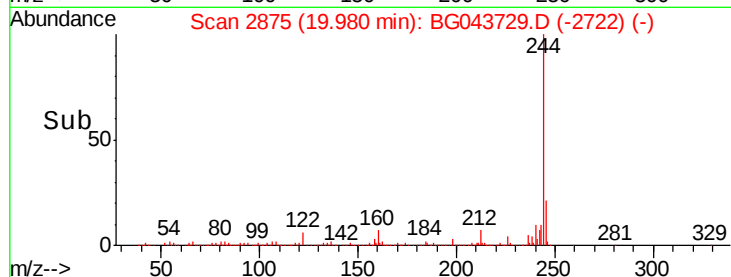
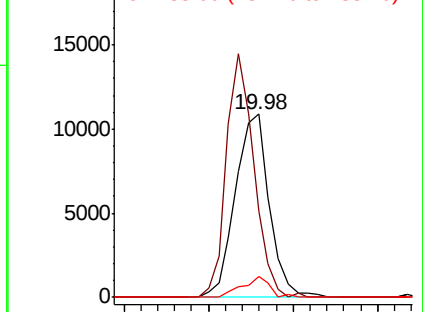


Abundance

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: 93.336 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043729.D

Acq: 20 Nov 2019 15:54

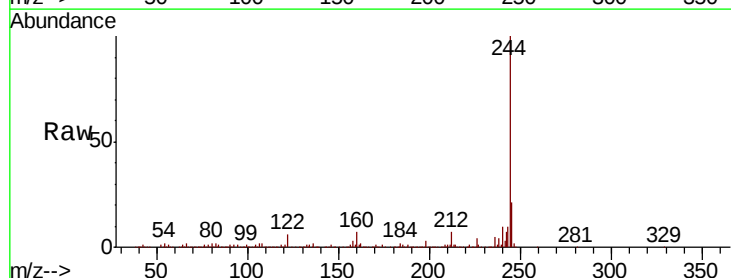
Tgt Ion:244 Resp: 1003947

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

122 6.2 5.2 7.8

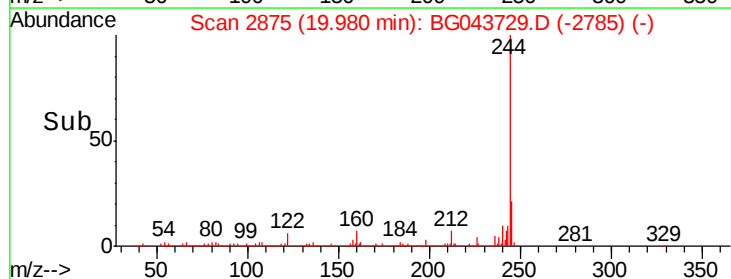
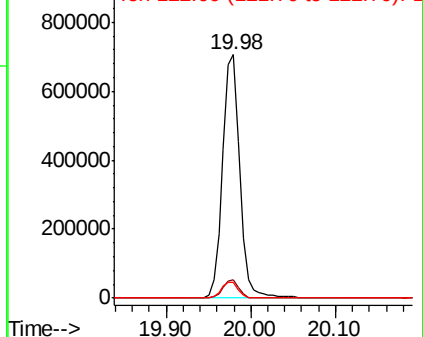


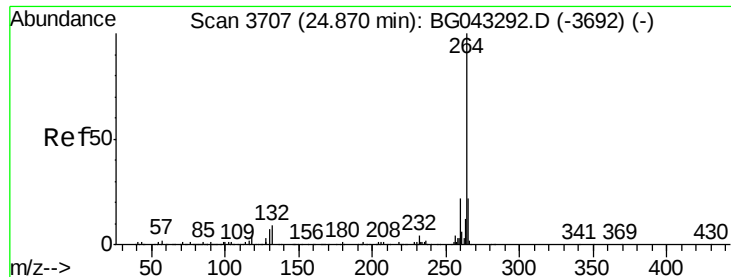
Abundance

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

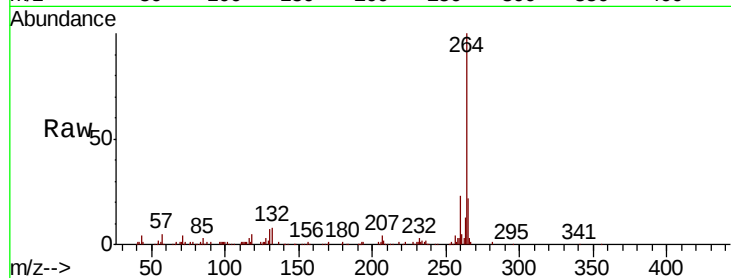




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3697
Delta R.T. -0.00 min
Lab File: BG043729.D
Acq: 20 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	22.1	15.8	23.8



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

