

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112519\
 Data File : BG043774.D
 Acq On : 25 Nov 2019 18:13
 Operator : JU
 Sample : K5933-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-02

Quant Time: Nov 26 00:25:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG112219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 23 00:54:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	63550	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	303903	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	243310	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	754248	20.00	ng	0.00
76) Chrysene-d12	21.65	240	771275	20.00	ng	-0.01
87) Perylene-d12	24.83	264	729904	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	598299	169.25	ng	0.00
7) Phenol-d6	7.18	99	885839	172.39	ng	0.00
23) Nitrobenzene-d5	9.18	82	500453	90.54	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	453553	154.55	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1265540	85.50	ng	0.00
79) Terphenyl-d14	20.01	244	2986308	87.49	ng	0.00

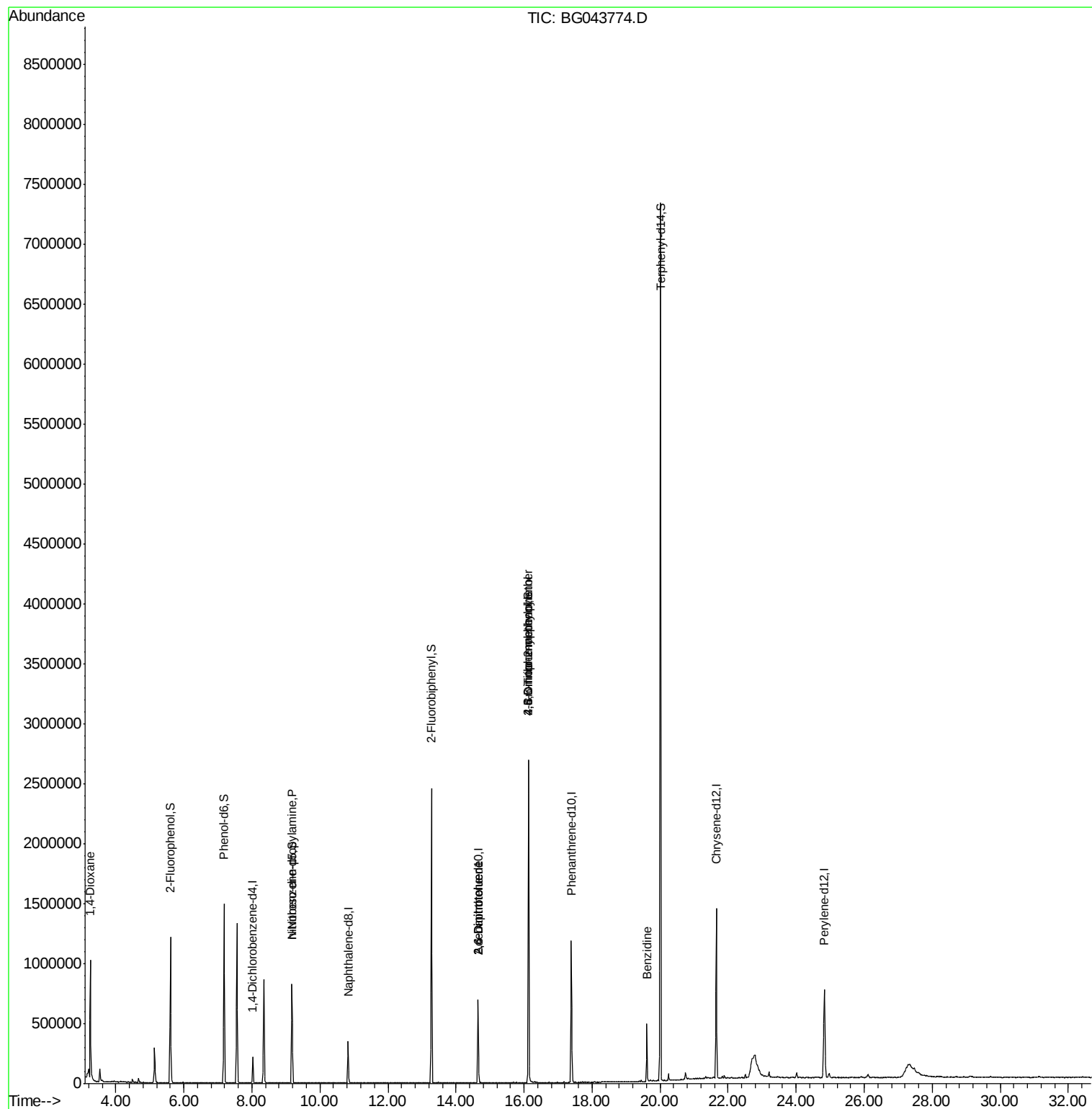
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	8443	5.387	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	65291	16.157	ng	# 74
51) 2,6-Dinitrotoluene	14.65	165	32670	9.127	ng	# 27
57) 2,4-Dinitrotoluene	14.65	165	32670	6.581	ng	# 25
60) Diethylphthalate	15.46	149	649	Below Cal		# 57
65) 4,6-Dinitro-2-methylphenol	16.13	198	1835	4.847	ng	# 1
67) 4-Bromophenyl-phenylether	16.13	248	35356	4.445	ng	# 1
73) Carbazole	17.78	167	538	Below Cal		# 78
77) Benzidine	19.61	184	271577	12.054	ng	98

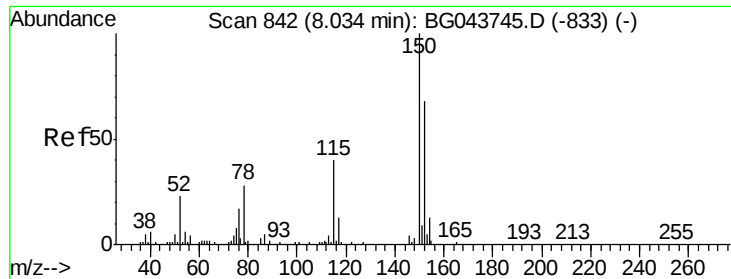
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BG043774.D

Acq: 25 Nov 2019 18:13

Instrument :

BNA_G

ClientSampleId :

WC-COMP-02

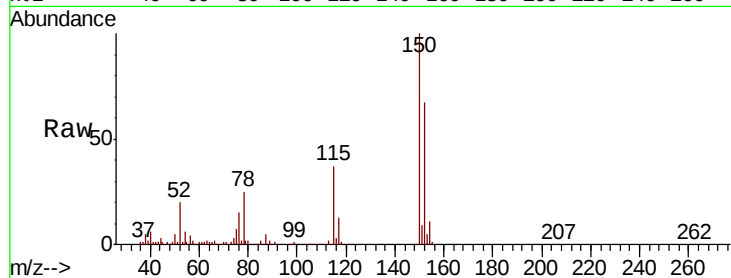
Tot Ion:152 Resp: 63550

Ion Ratio Lower Upper

152 100

150 150.2 117.8 176.8

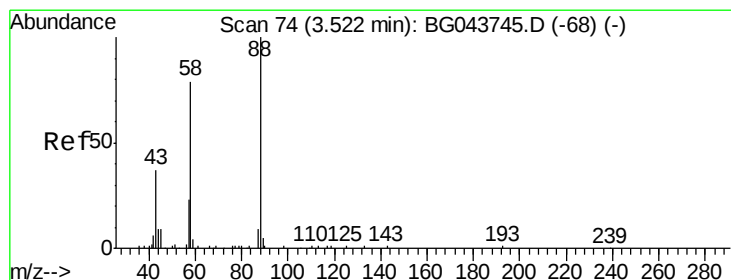
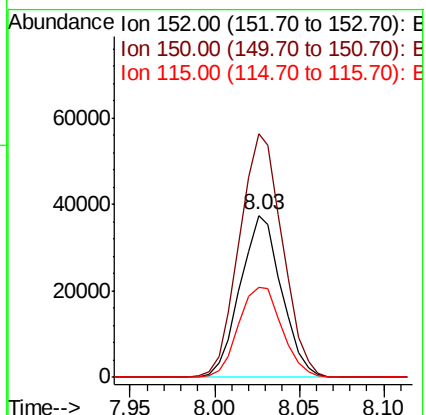
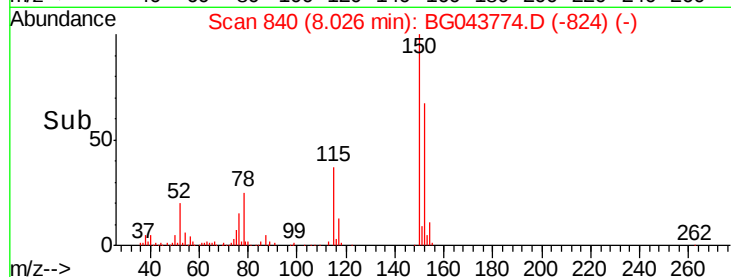
115 55.7 47.0 70.4



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: 5.387 ng

RT: 3.25 min Scan# 27

Delta R.T. -0.27 min

Lab File: BG043774.D

Acq: 25 Nov 2019 18:13

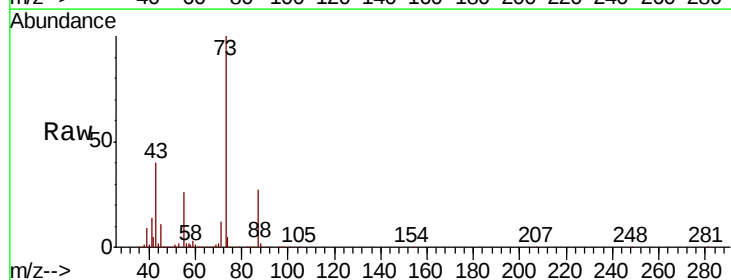
Tgt Ion: 88 Resp: 8443

Ion Ratio Lower Upper

88 100

58 25.8 62.3 93.5#

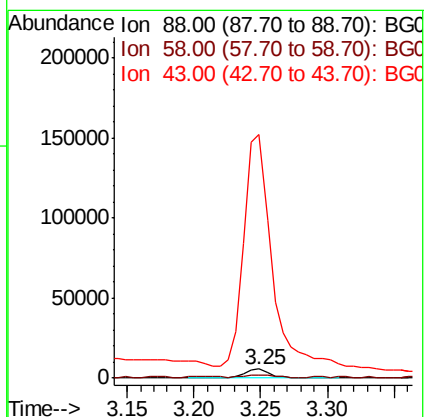
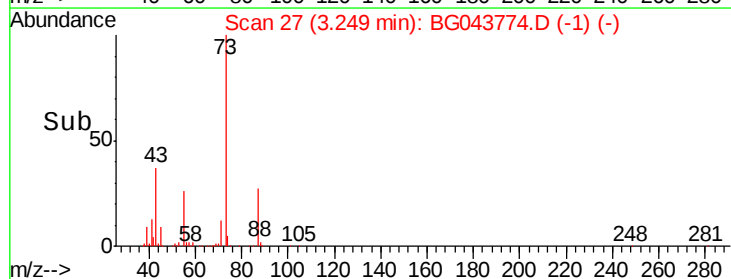
43 2700.1 28.9 43.3#

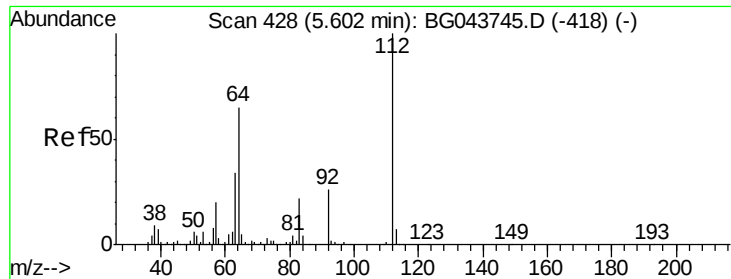


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 169.254 ng

RT: 5.61 min Scan# 428

Delta R.T. 0.00 min

Lab File: BG043774.D

Acq: 25 Nov 2019 18:13

Instrument :

BNA_G

ClientSampleId :

WC-COMP-02

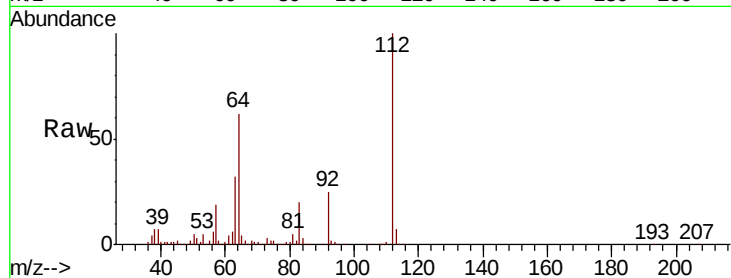
Tot Ion:112 Resp: 598299

Ion Ratio Lower Upper

112 100

64 61.6 51.7 77.5

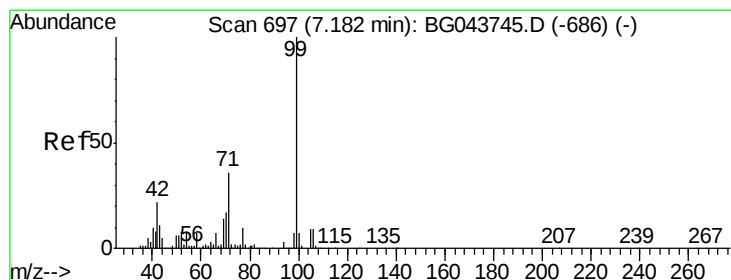
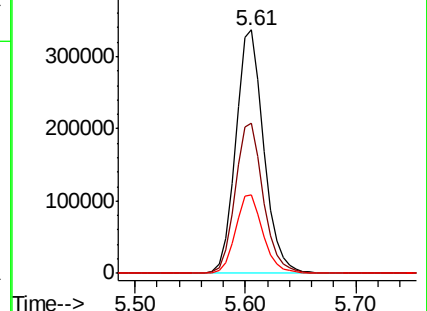
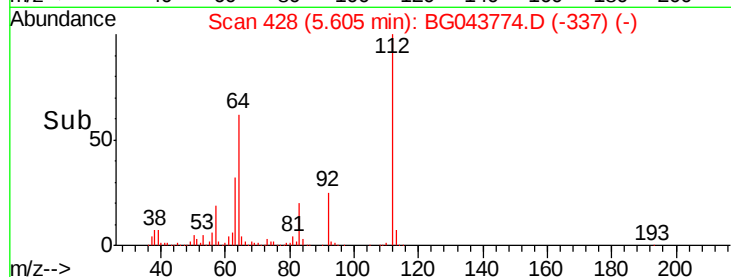
63 32.1 26.8 40.2



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: 172.389 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG043774.D

Acq: 25 Nov 2019 18:13

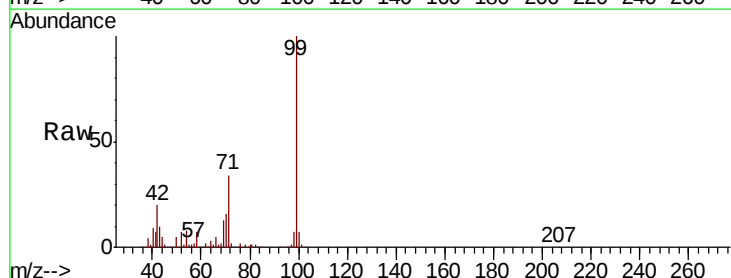
Tgt Ion: 99 Resp: 885839

Ion Ratio Lower Upper

99 100

42 20.0 17.4 26.0

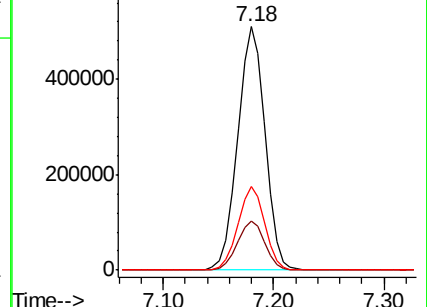
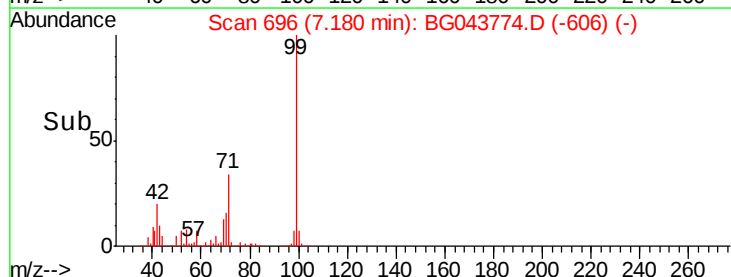
71 34.2 29.5 44.3

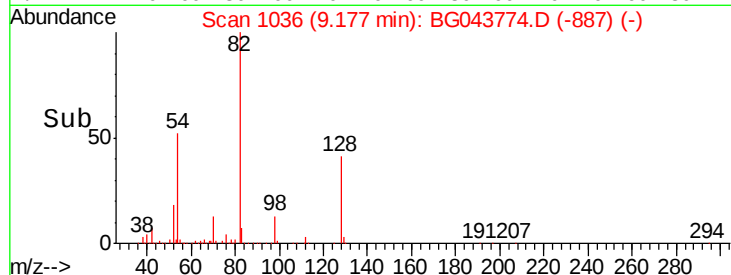
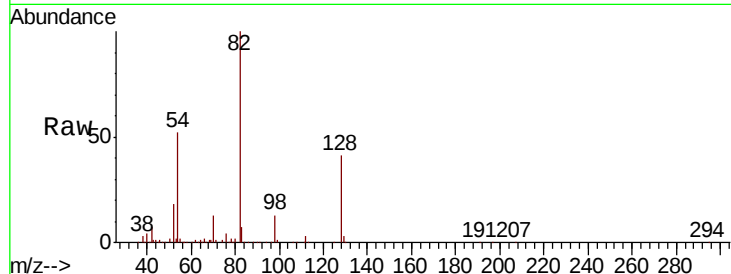
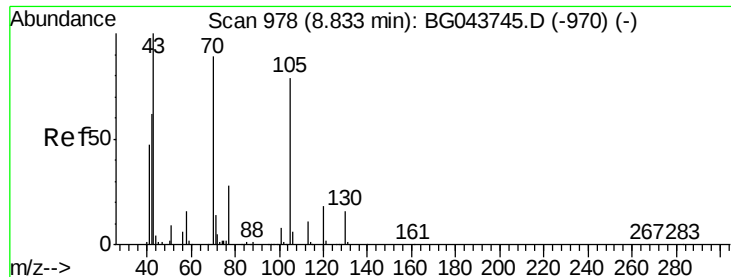


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

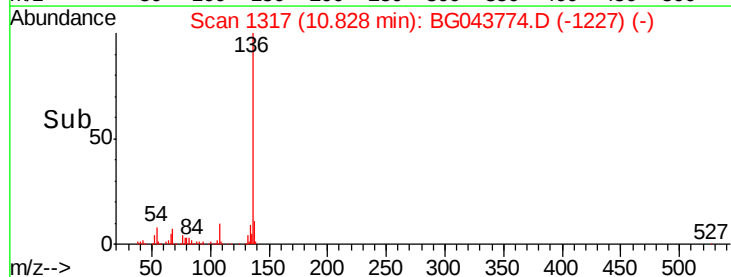
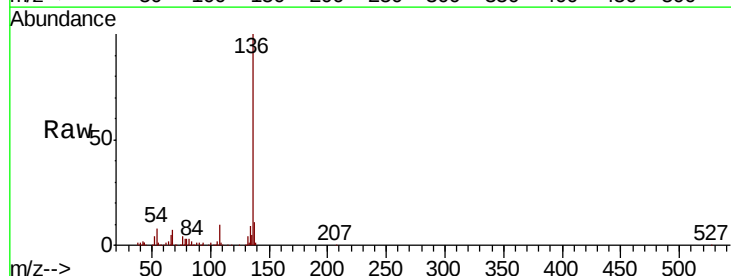
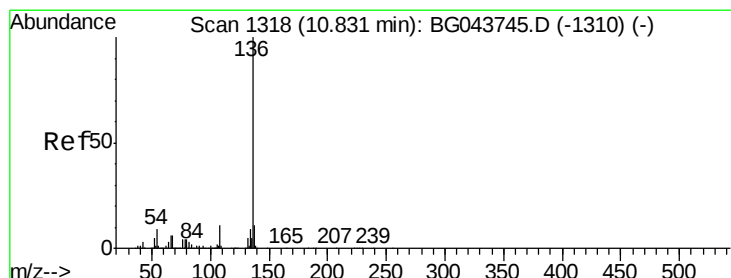
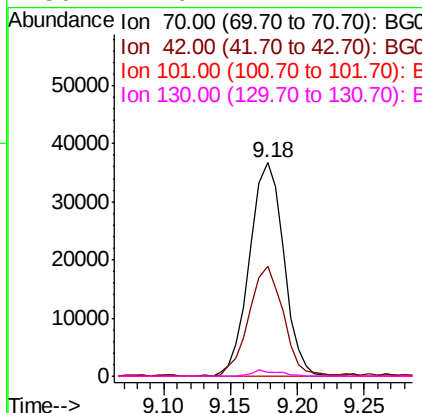




#19
n-Nitroso-di-n-propylamine
Concen: 16.157 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.34 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

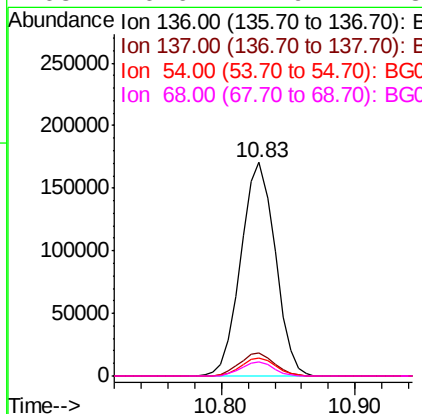
Instrument :
BNA_G
ClientSampleId :
WC-COMP-02

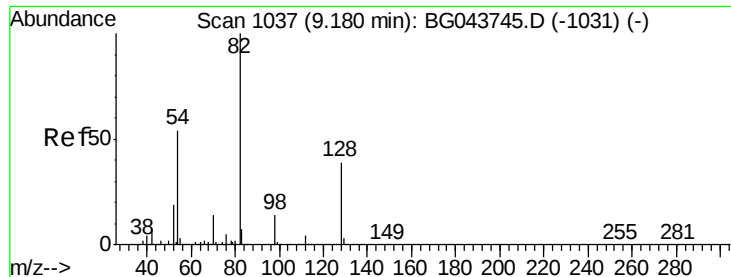
Tot Ion: 70 Resp: 65291
Ion Ratio Lower Upper
70 100
42 51.7 56.4 84.6#
101 0.0 6.7 10.1#
130 2.0 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

Tgt Ion: 136 Resp: 303903
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.5 7.5 11.3
68 6.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 90.542 ng

RT: 9.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG043774.D

Acq: 25 Nov 2019 18:13

Instrument :

BNA_G

ClientSampleId :

WC-COMP-02

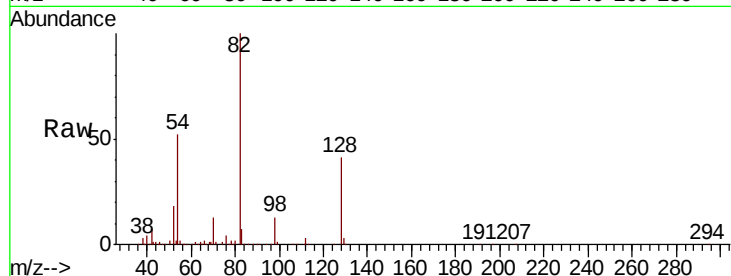
Tot Ion: 82 Resp: 500453

Ion Ratio Lower Upper

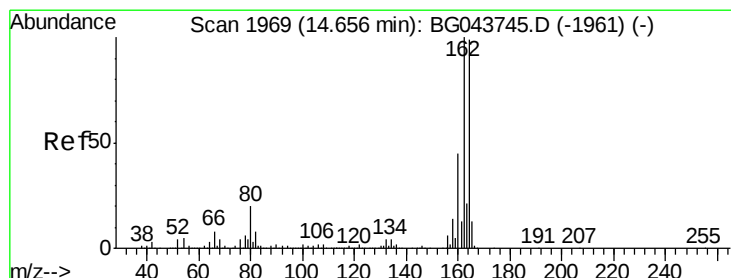
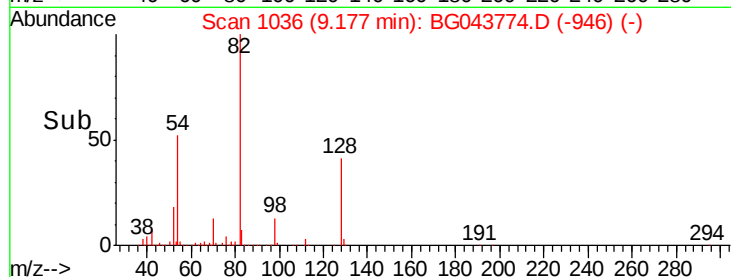
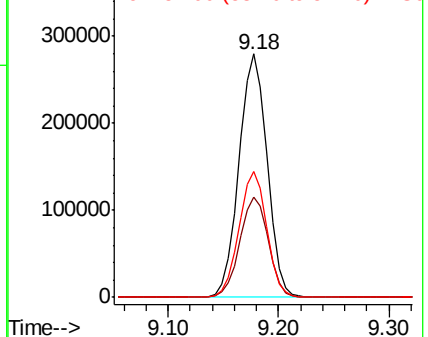
82 100

128 41.4 31.3 46.9

54 51.9 42.7 64.1



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: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043774.D

Acq: 25 Nov 2019 18:13

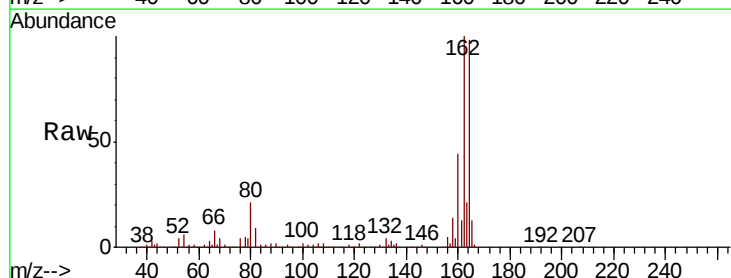
Tgt Ion:164 Resp: 243310

Ion Ratio Lower Upper

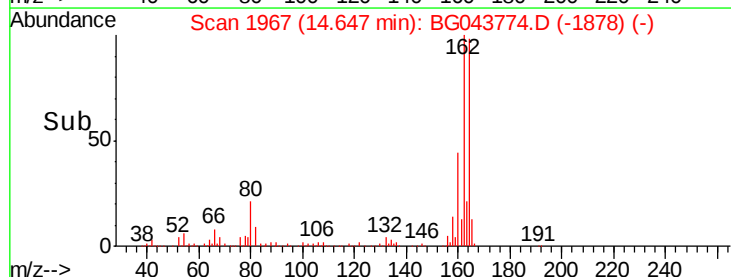
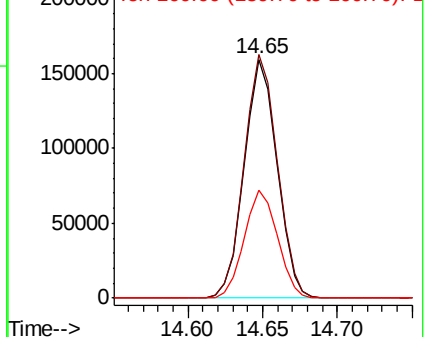
164 100

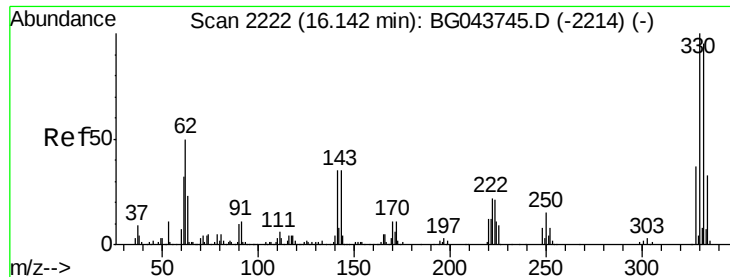
162 101.9 80.6 121.0

160 45.0 36.3 54.5



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

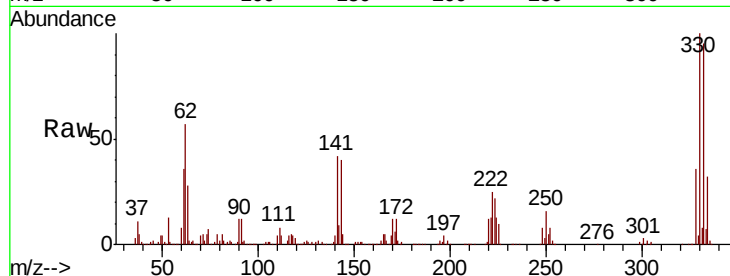




#42
 2,4,6-Tribromophenol
 Concen: 154.549 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG043774.D
 Acq: 25 Nov 2019 18:13

Instrument :
 BNA_G
 ClientSampleId :
 WC-COMP-02

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	42.2	31.4	47.2

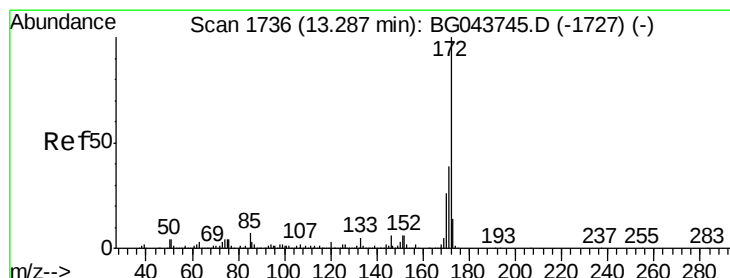
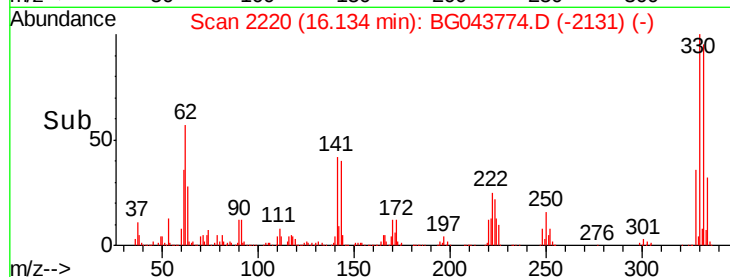
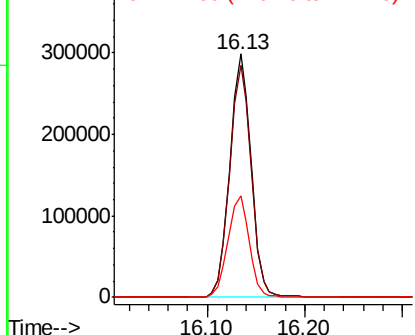


Abundance

Ion 329.80 (329.50 to 330.50): E

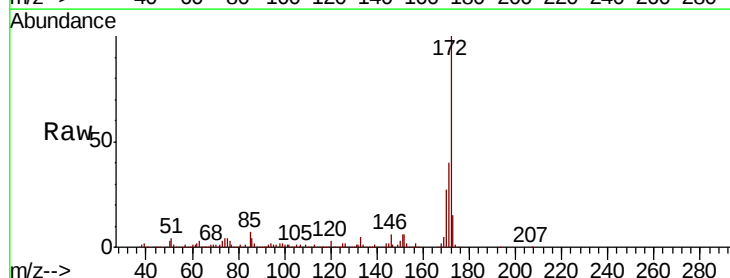
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 85.499 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG043774.D
 Acq: 25 Nov 2019 18:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.0	31.0	46.6
170	26.9	21.0	31.4

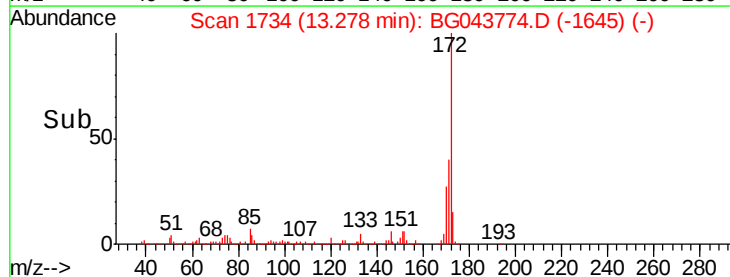
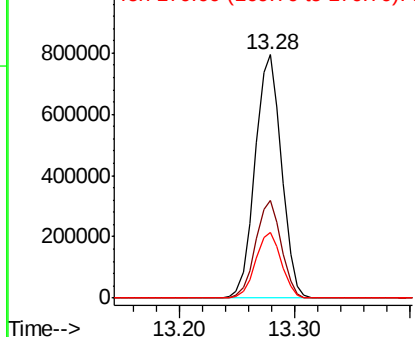


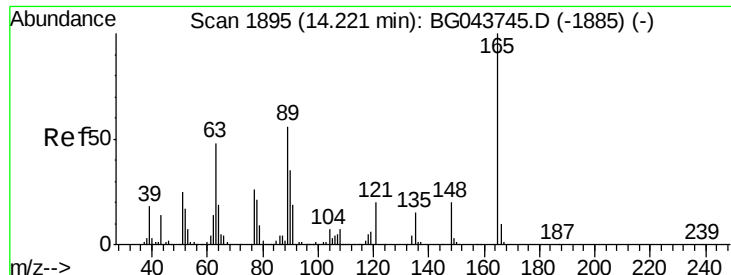
Abundance

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

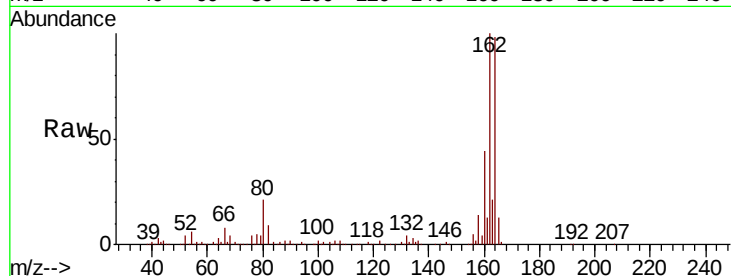




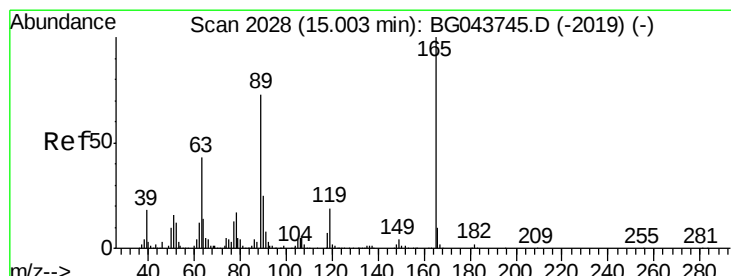
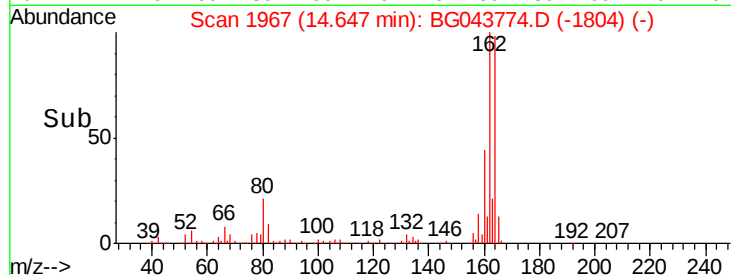
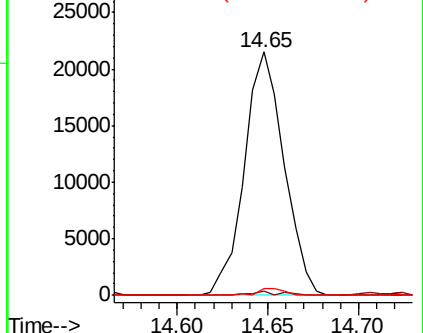
#51
2,6-Dinitrotoluene
Concen: 9.127 ng
RT: 14.65 min Scan# 1967
Delta R.T. 0.43 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

Instrument :
BNA_G
ClientSampleId :
WC-COMP-02

Tot Ion:165 Resp: 32670
Ion Ratio Lower Upper
165 100
63 1.5 43.4 65.2#
89 2.8 44.6 67.0#

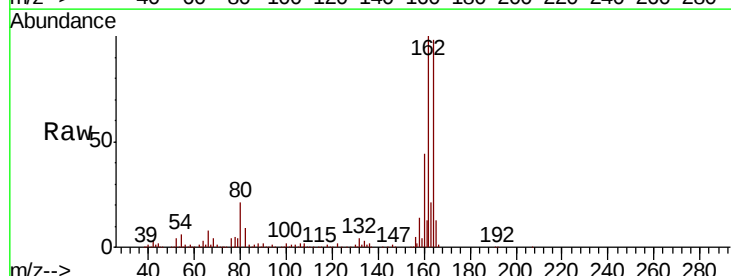


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

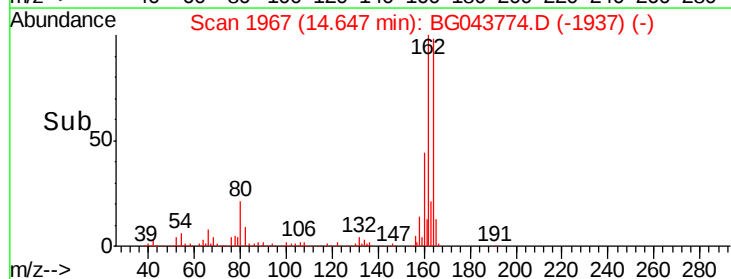
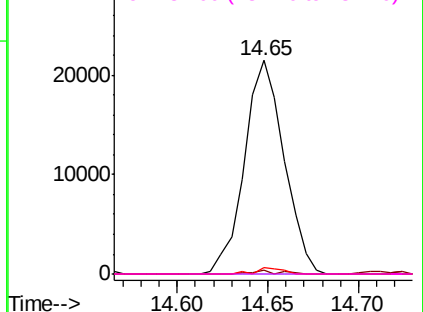


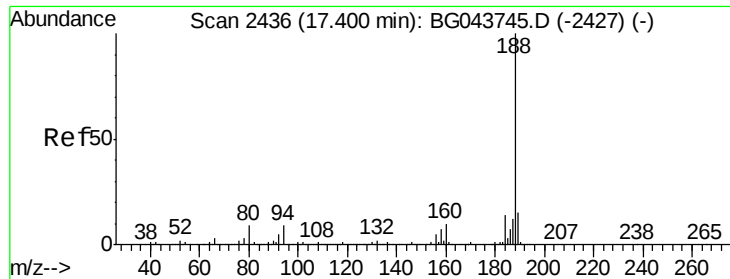
#57
2,4-Dinitrotoluene
Concen: 6.581 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.36 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

Tgt Ion:165 Resp: 32670
Ion Ratio Lower Upper
165 100
63 1.5 34.6 51.8#
89 2.8 58.3 87.5#
182 0.0 1.9 2.9#



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

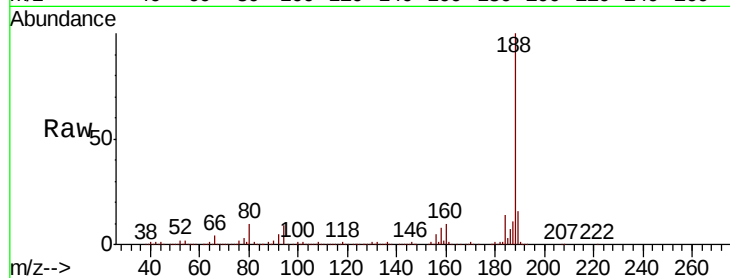




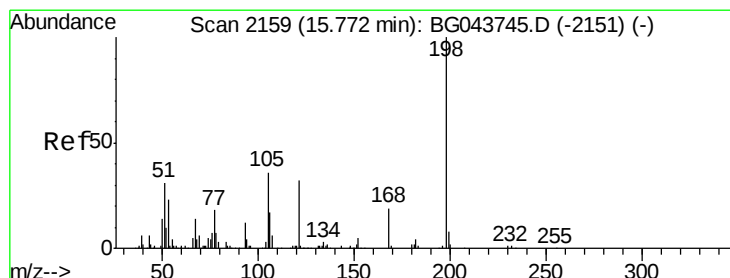
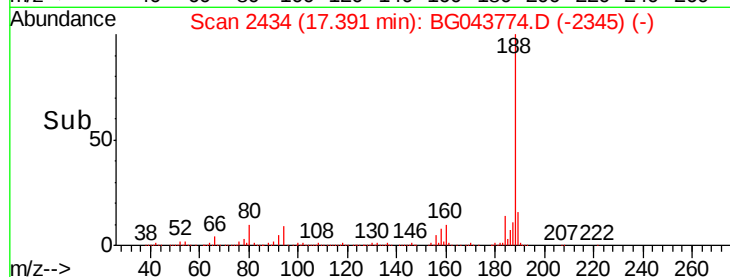
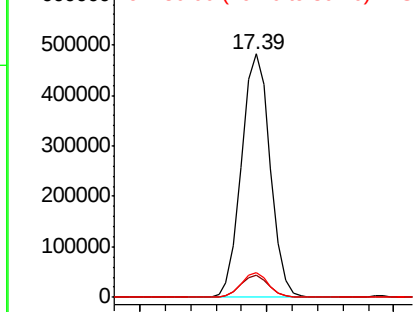
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2434
Delta R.T. -0.01 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

Instrument :
BNA_G
ClientSampleId :
WC-COMP-02

Tot Ion:188 Resp: 754248
Ion Ratio Lower Upper
188 100
94 9.3 6.9 10.3
80 10.2 7.5 11.3

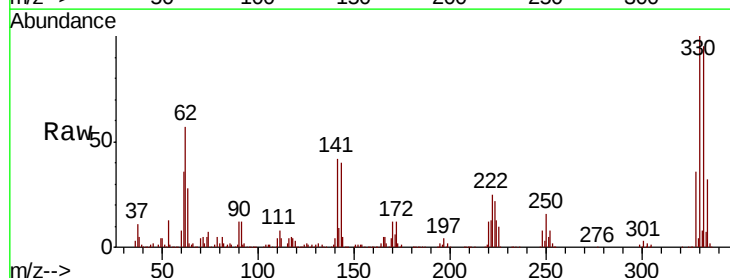


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

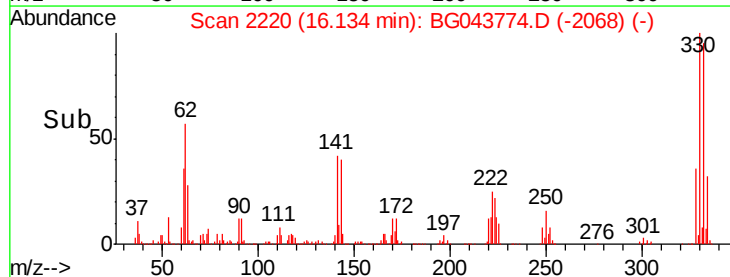
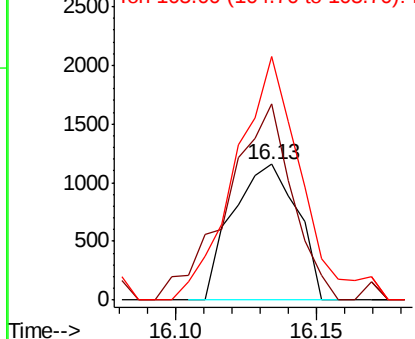


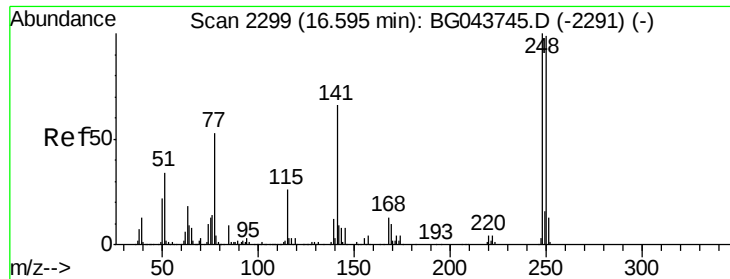
#65
4,6-Dinitro-2-methylphenol
Concen: 4.847 ng
RT: 16.13 min Scan# 2220
Delta R.T. 0.36 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

Tgt Ion:198 Resp: 1835
Ion Ratio Lower Upper
198 100
51 144.6 16.8 56.8#
105 179.1 17.3 57.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

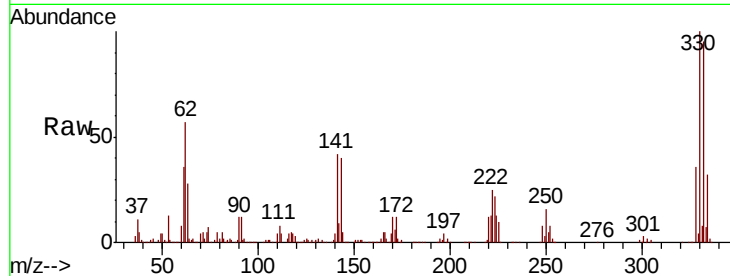




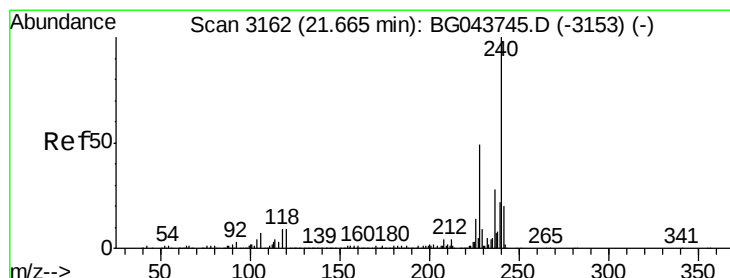
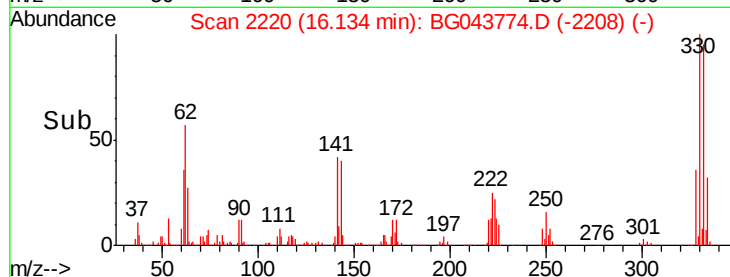
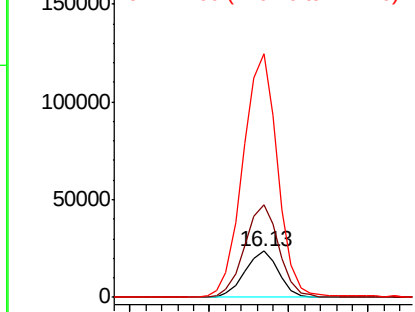
#67
4-Bromophenyl-phenylether
Concen: 4.445 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.46 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

Instrument :
BNA_G
ClientSampleId :
WC-COMP-02

Tot Ion:248 Resp: 35356
Ion Ratio Lower Upper
248 100
250 198.5 79.3 118.9#
141 524.4 53.0 79.6#

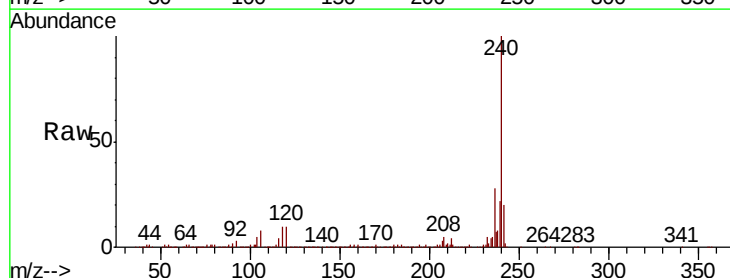


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

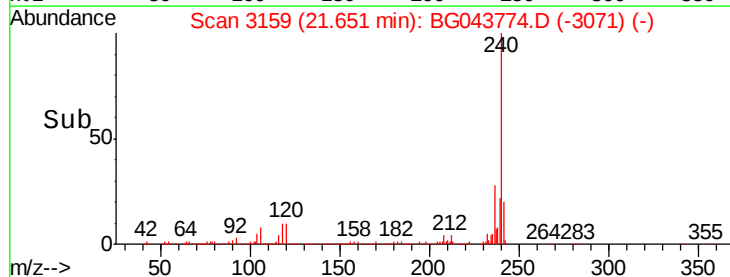
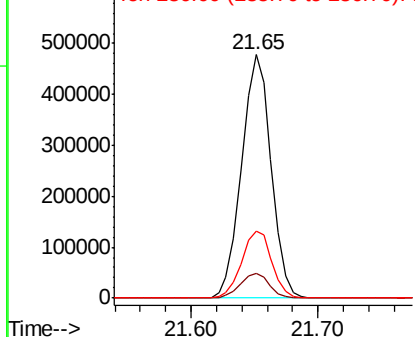


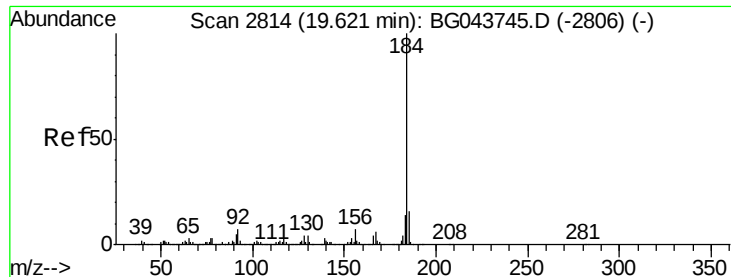
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

Tgt Ion:240 Resp: 771275
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 27.5 22.6 34.0



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: 12.054 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG043774.D

Acq: 25 Nov 2019 18:13

Instrument :

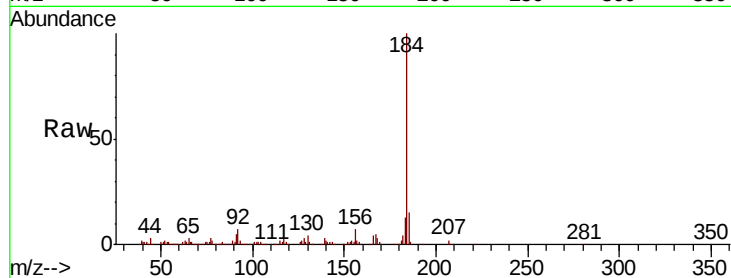
BNA_G

ClientSampleId :

WC-COMP-02

Tot Ion:184 Resp: 271577

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.8	19.2
183	13.2	11.3	16.9

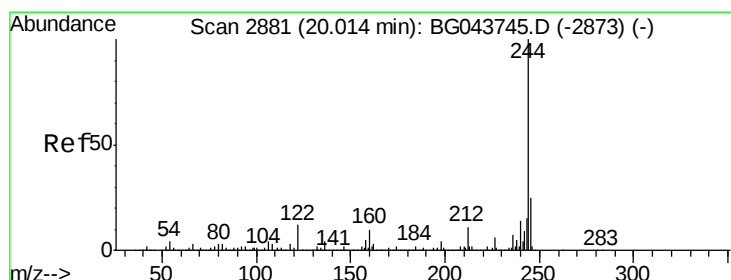
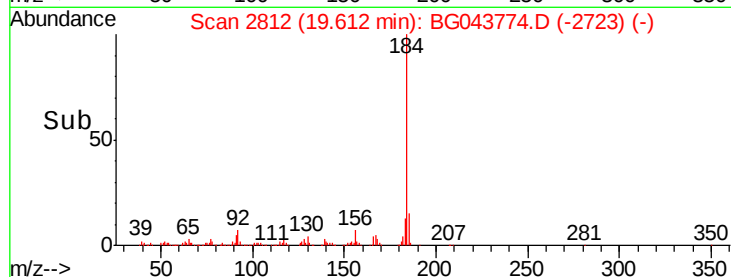
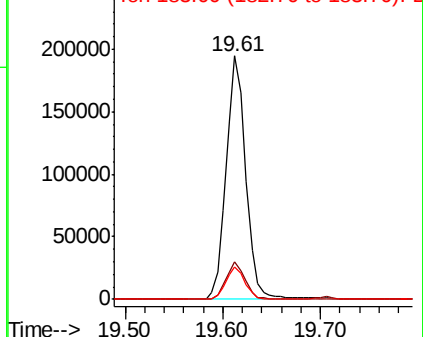


Abundance

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: 87.491 ng

RT: 20.01 min Scan# 2879

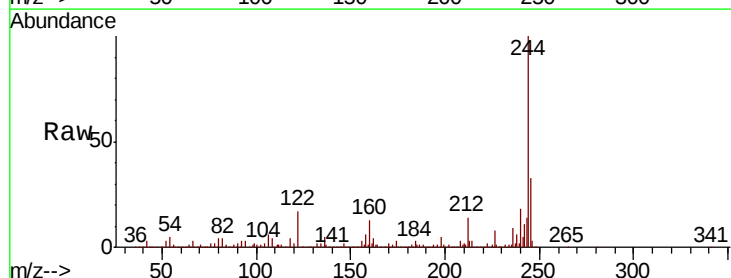
Delta R.T. -0.01 min

Lab File: BG043774.D

Acq: 25 Nov 2019 18:13

Tgt Ion:244 Resp: 2986308

Ion	Ratio	Lower	Upper
244	100		
212	13.7	8.5	12.7#
122	17.0	9.5	14.3#

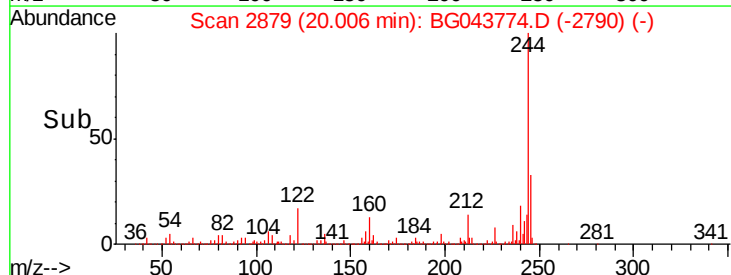
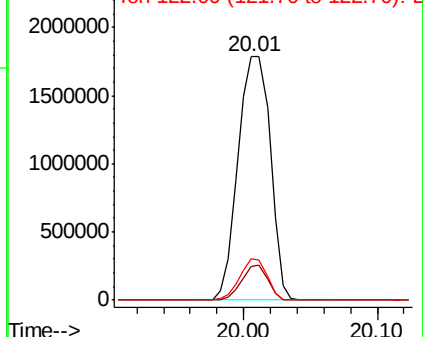


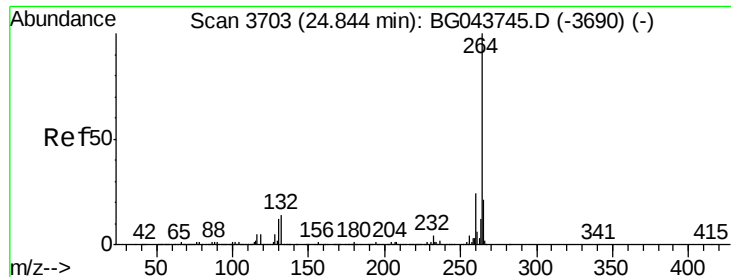
Abundance

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

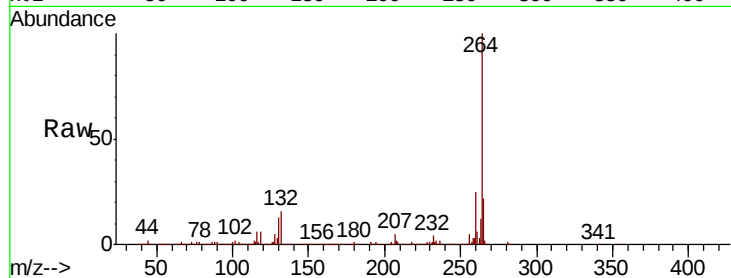




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3700
Delta R.T. -0.01 min
Lab File: BG043774.D
Acq: 25 Nov 2019 18:13

Instrument :
BNA_G
ClientSampleId :
WC-COMP-02

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	21.6	17.0	25.6



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

