

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
 Data File : BG033416.D
 Acq On : 29 Mar 2018 11:43
 Operator : SJ/JU
 Sample : J2068-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 29 13:38:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

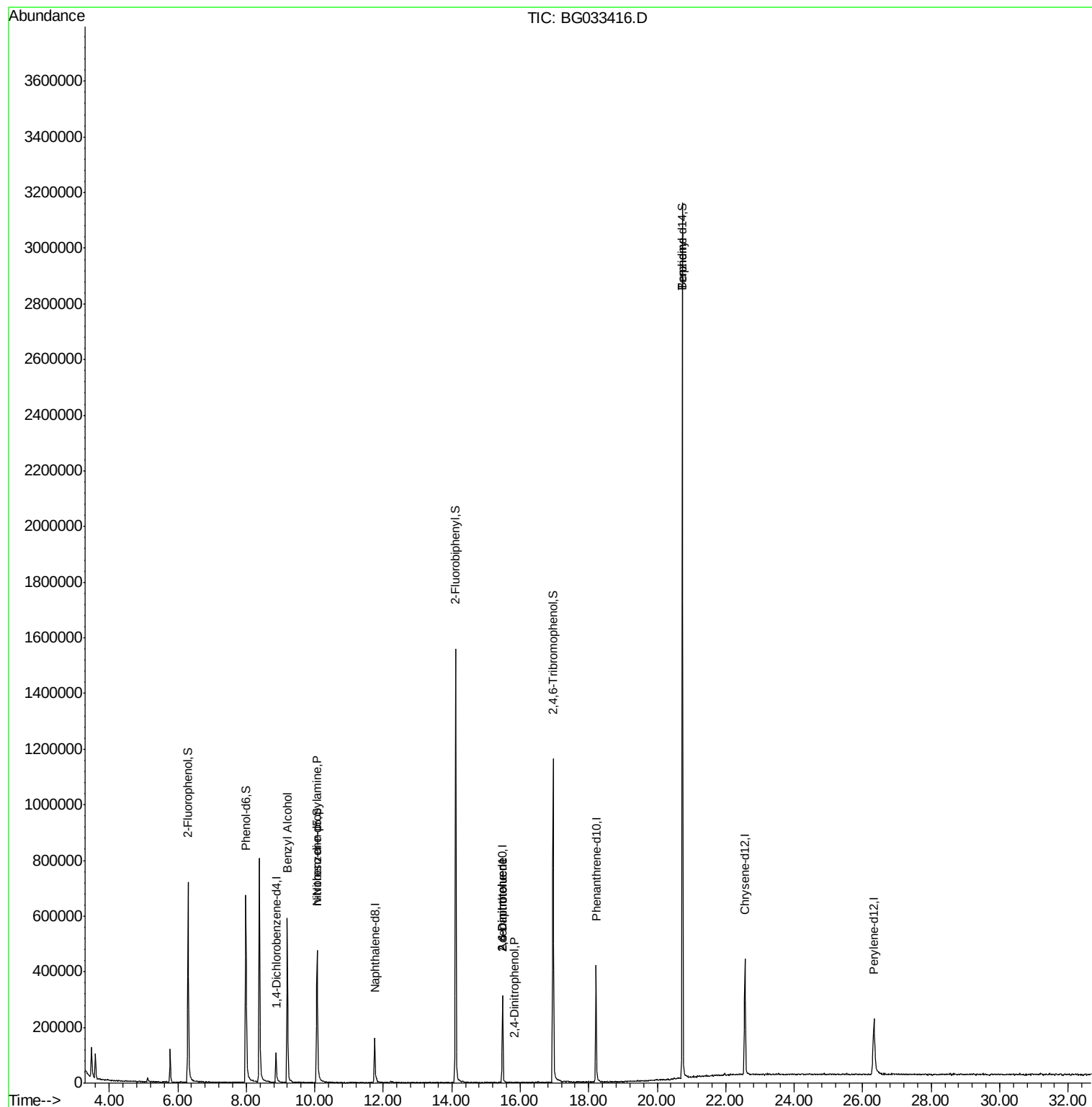
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	39610	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	155738	20.00	ng	0.00
38) Acenaphthene-d10	15.49	164	122465	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	304003	20.00	ng	0.00
75) Chrysene-d12	22.56	240	312751	20.00	ng	0.00
86) Perylene-d12	26.33	264	315997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	344691	163.18	ng	0.00
7) Phenol-d6	7.99	99	472201	130.10	ng	0.00
23) Nitrobenzene-d5	10.07	82	369830	109.10	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	247117	134.92	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	874322	103.07	ng	0.00
78) Terphenyl-d14	20.73	244	1590307	108.75	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.19	79	6129	2.145	ng	# 52
19) n-Nitroso-di-n-propylamine	10.07	70	49941	18.778	ng	# 77
50) 2,6-Dinitrotoluene	15.49	165	14982	6.875	ng	# 22
53) 2,4-Dinitrophenol	15.81	184	65	7.695	ng	# 1
56) 2,4-Dinitrotoluene	15.49	165	14983	4.670	ng	# 19
76) Benzidine	20.74	184	26937	3.176	ng	# 88

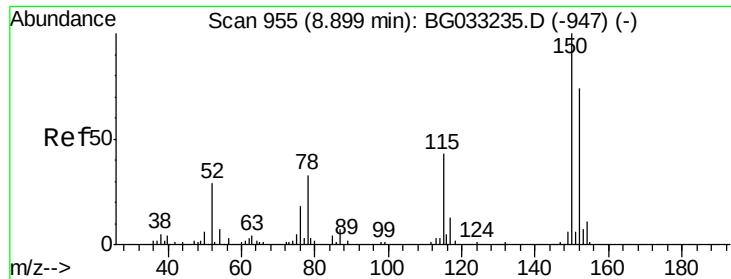
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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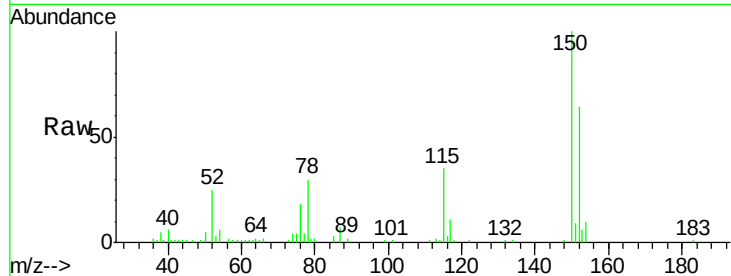


#1

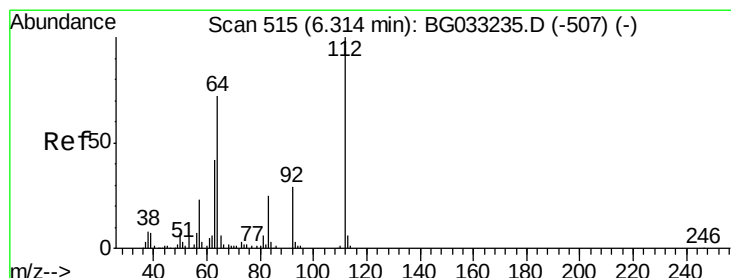
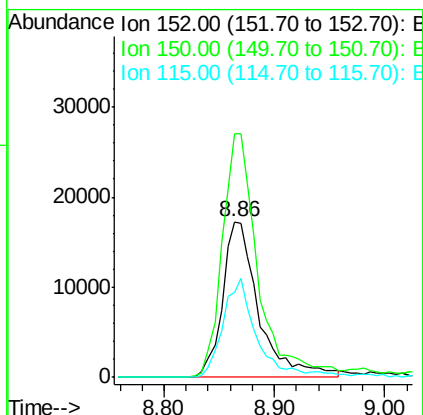
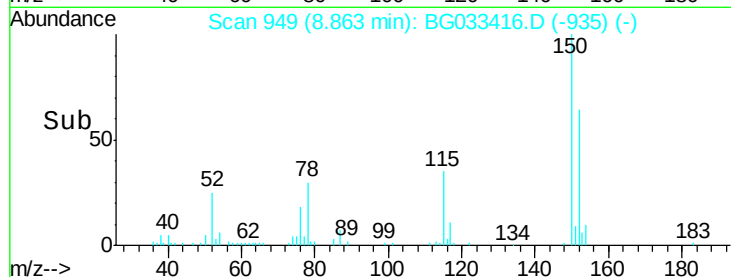
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033416.D
Acq: 29 Mar 2018 11:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.6	189.8
115	54.8	53.0	79.4



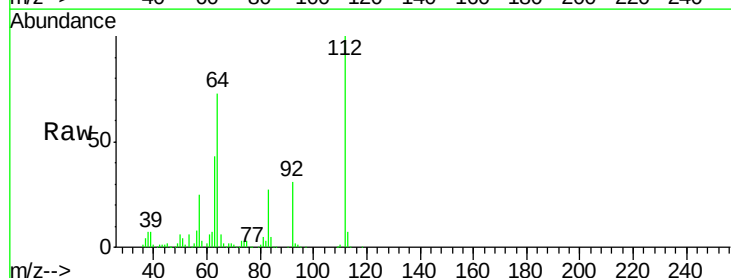
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



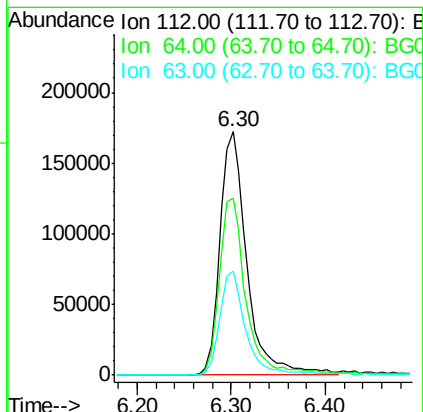
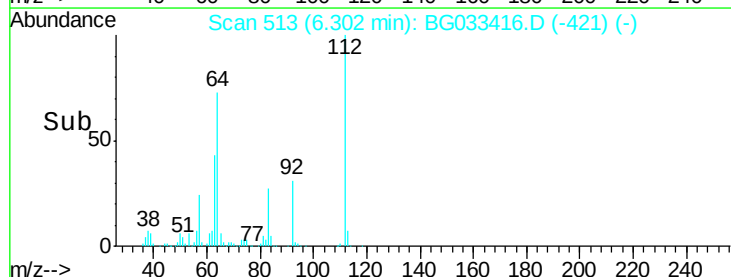
#5

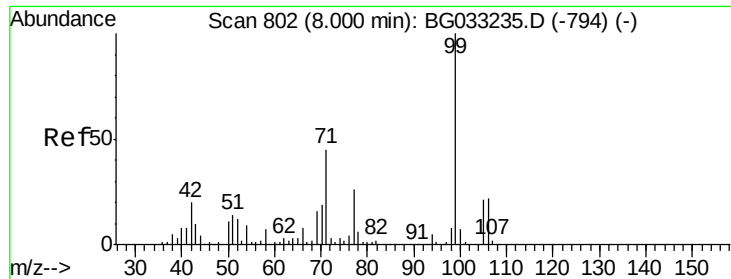
2-Fluorophenol
Concen: 163.175 ng
RT: 6.30 min Scan# 513
Delta R.T. 0.01 min
Lab File: BG033416.D
Acq: 29 Mar 2018 11:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.6	56.3	84.5
63	42.8	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 130.100 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

Instrument :

BNA_G

ClientSampled :

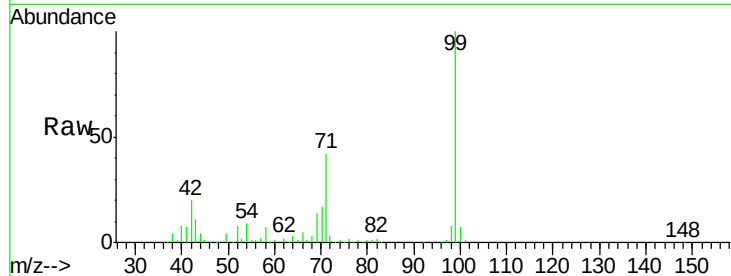
Tot Ion: 99 Resp: 472201

Ion Ratio Lower Upper

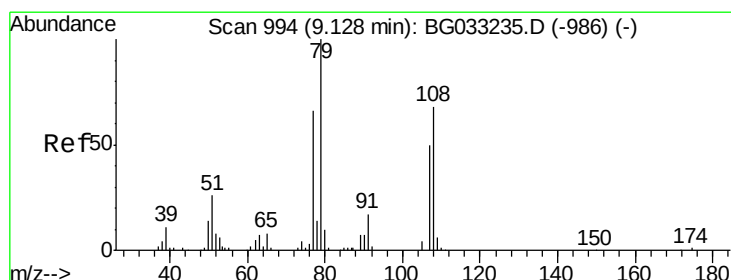
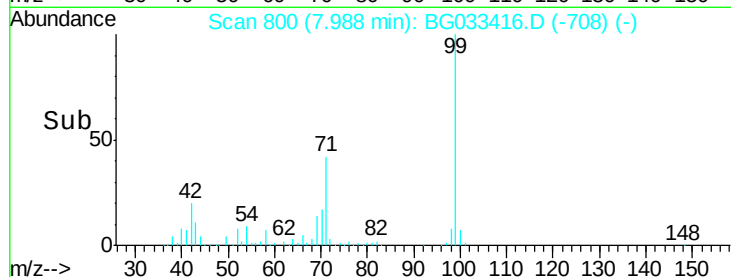
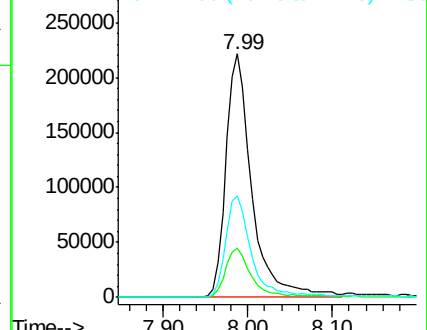
99 100

42 20.4 14.1 21.1

71 41.8 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.145 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.09 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

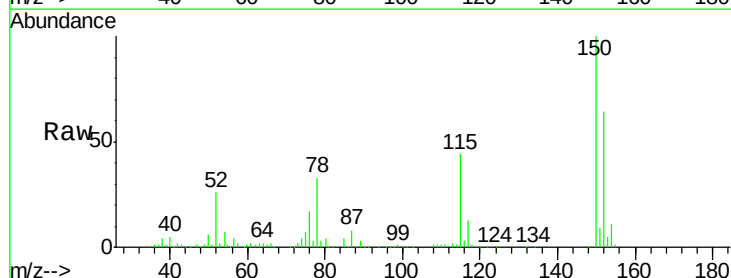
Tgt Ion: 79 Resp: 6129

Ion Ratio Lower Upper

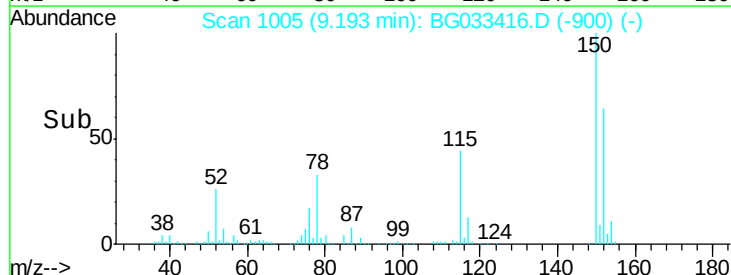
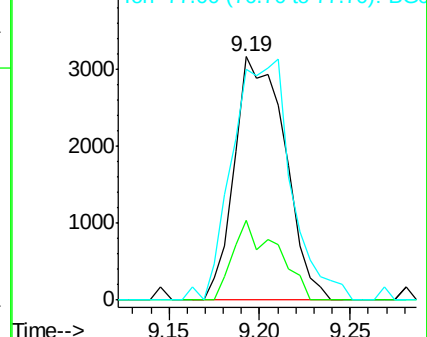
79 100

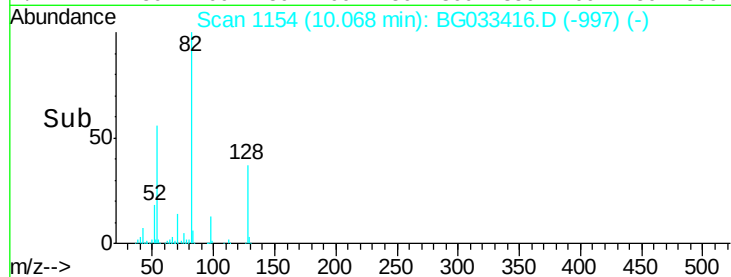
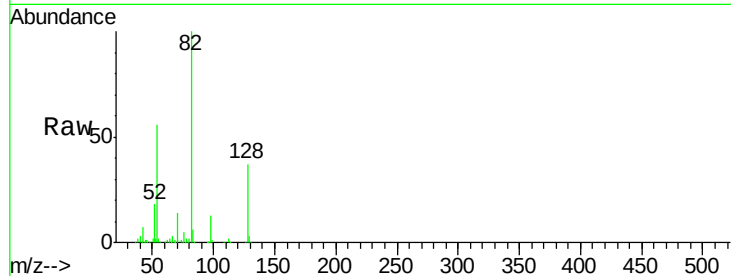
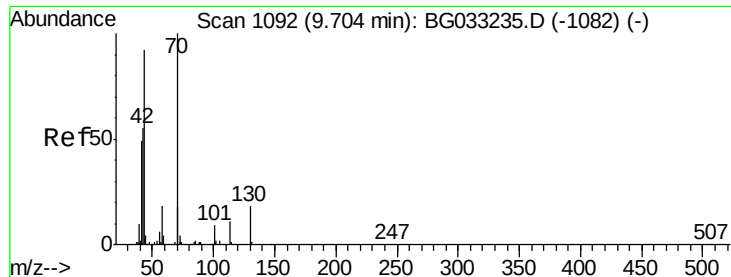
108 32.6 57.2 85.8#

77 94.8 46.1 69.1#



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

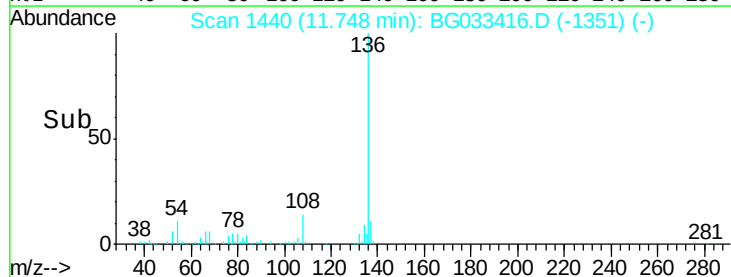
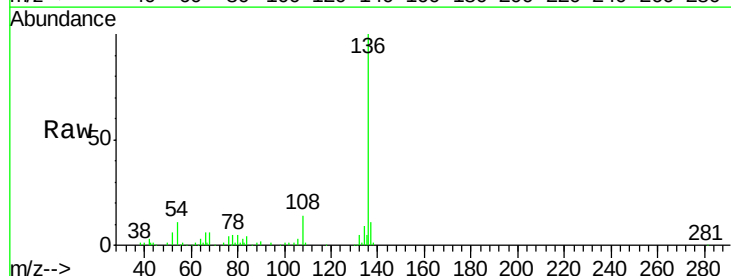
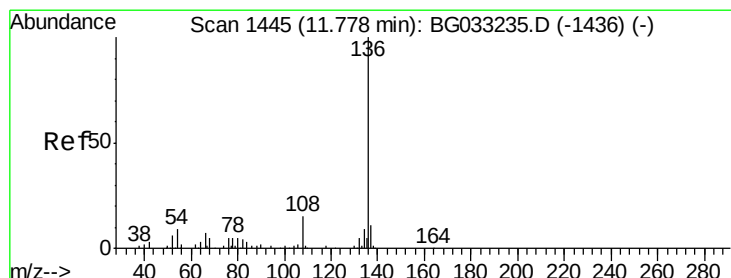
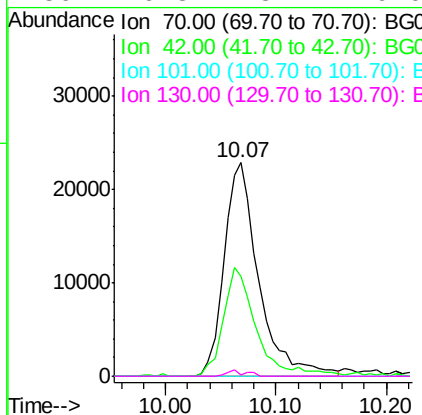




#19
n-Nitroso-di-n-propylamine
Concen: 18.778 ng
RT: 10.07 min Scan# 1154
Delta R.T. 0.39 min
Lab File: BG033416.D
Acq: 29 Mar 2018 11:43

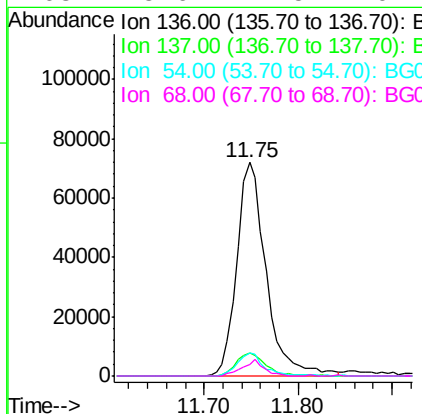
Instrument :
BNA_G
ClientSampleId :

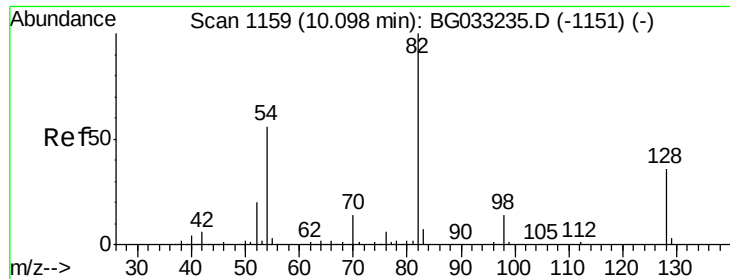
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.0	49.1	73.7#
101	0.0	8.5	12.7#
130	0.8	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033416.D
Acq: 29 Mar 2018 11:43

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	10.8	10.3	15.5
68	5.6	4.5	6.7





#23

Nitrobenzene-d5

Concen: 109.103 ng

RT: 10.07 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

Instrument :

BNA_G

ClientSampled :

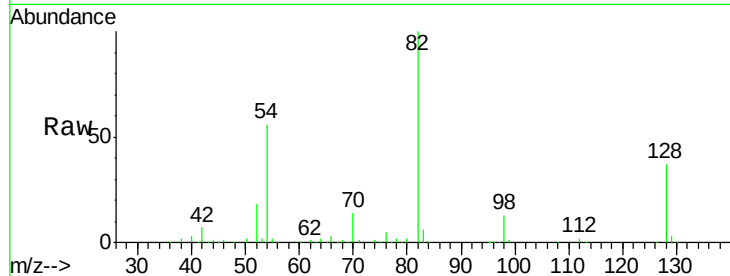
Tot Ion: 82 Resp: 369830

Ion Ratio Lower Upper

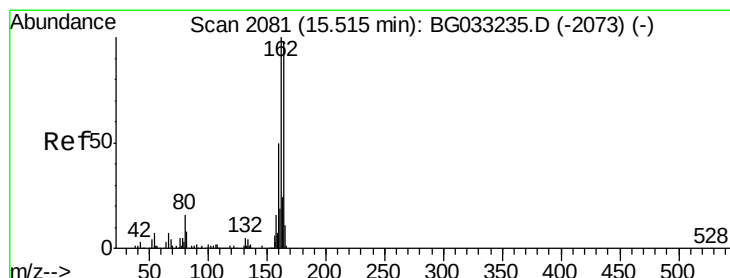
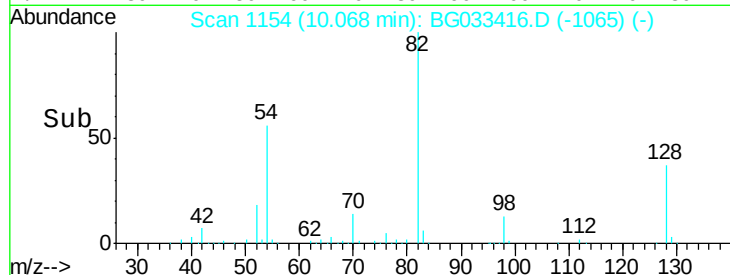
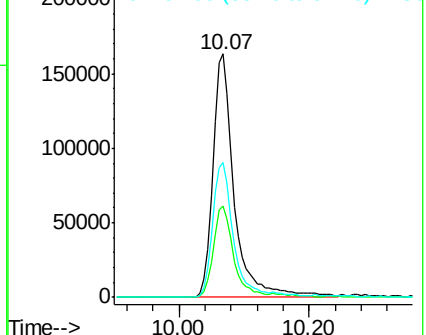
82 100

128 37.3 29.7 44.5

54 55.6 43.1 64.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.00 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

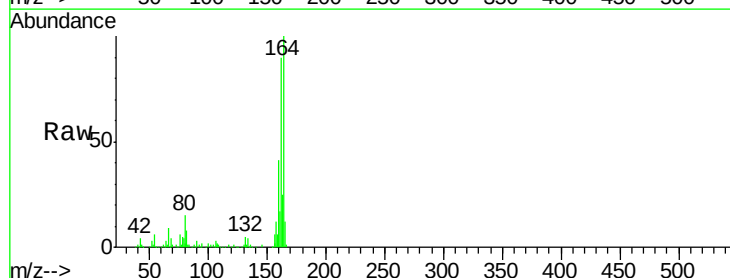
Tgt Ion: 164 Resp: 122465

Ion Ratio Lower Upper

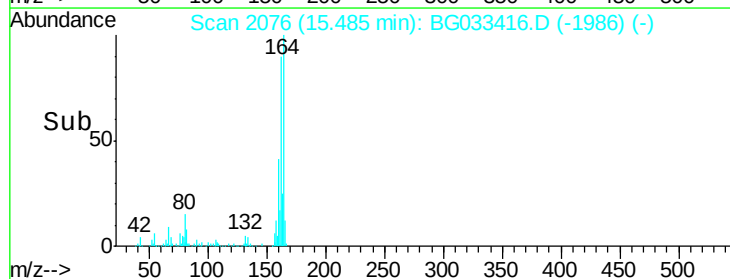
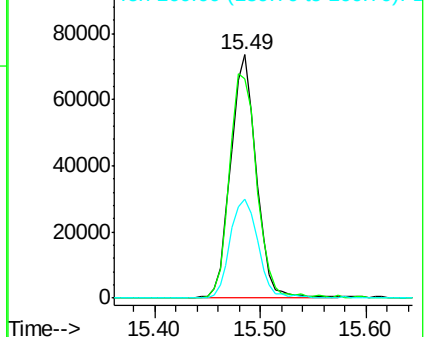
164 100

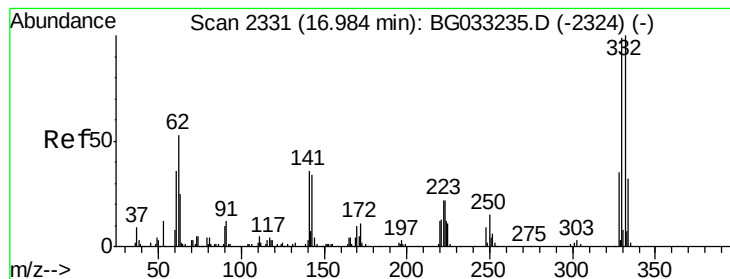
162 90.0 78.8 118.2

160 40.7 35.4 53.0



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





#41

2,4,6-Tribromophenol

Concen: 134.918 ng

RT: 16.96 min Scan# 2327

Delta R.T. 0.00 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

Instrument :

BNA_G

ClientSampleId :

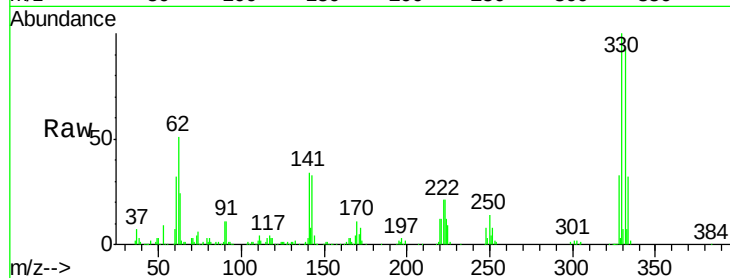
Tot Ion:330 Resp: 247117

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

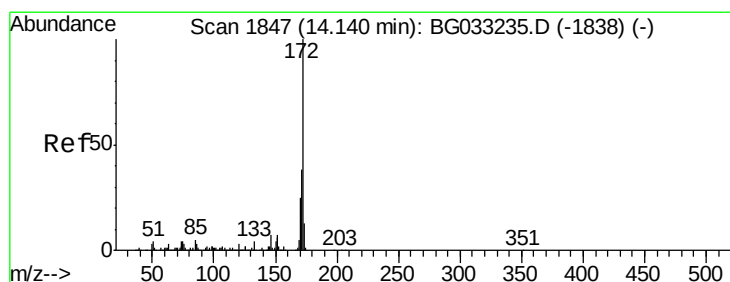
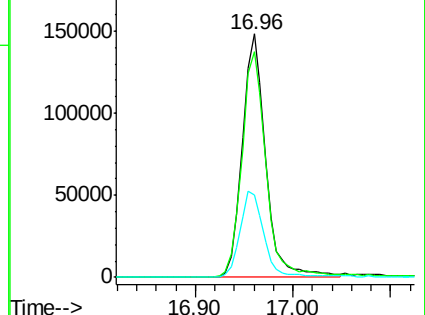
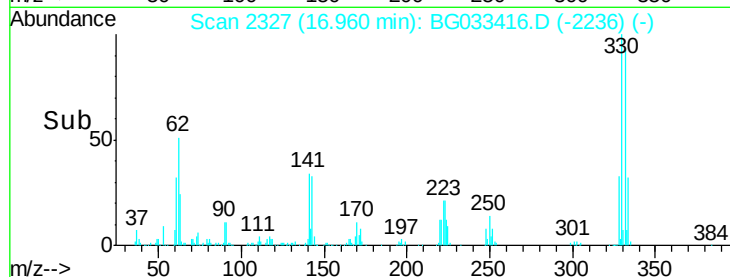
141 36.3 25.2 37.8



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



#44

2-Fluorobiphenyl

Concen: 103.066 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

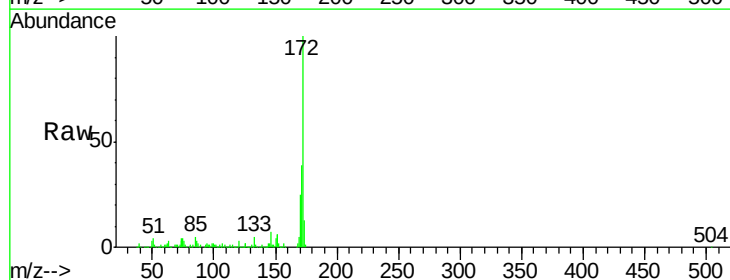
Tgt Ion:172 Resp: 874322

Ion Ratio Lower Upper

172 100

171 38.7 30.0 45.0

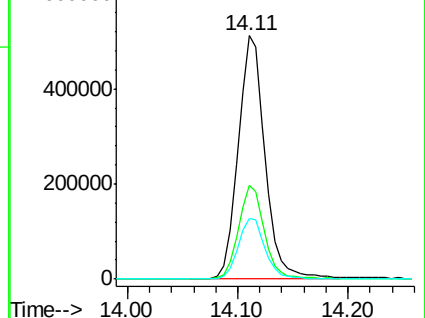
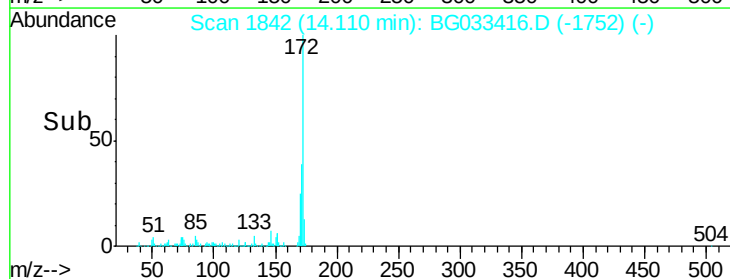
170 24.8 19.5 29.3

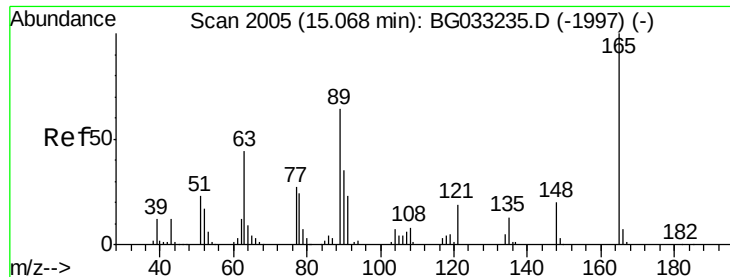


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

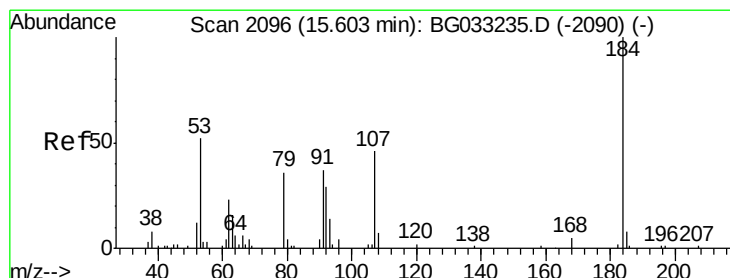
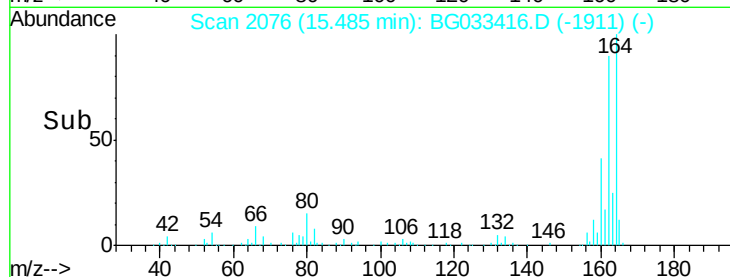
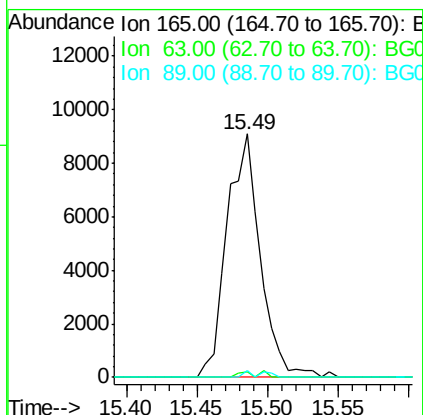
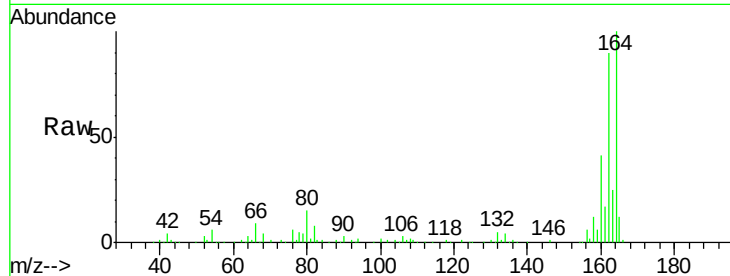




#50
 2,6-Dinitrotoluene
 Concen: 6.875 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. 0.44 min
 Lab File: BG033416.D
 Acq: 29 Mar 2018 11:43

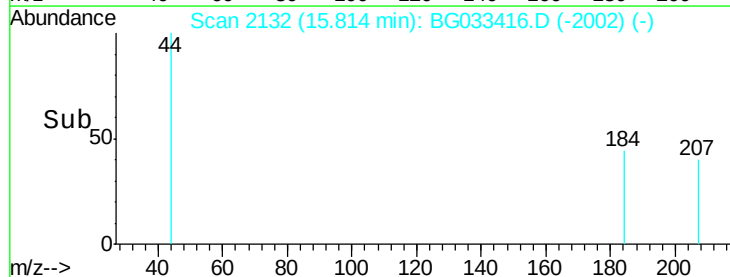
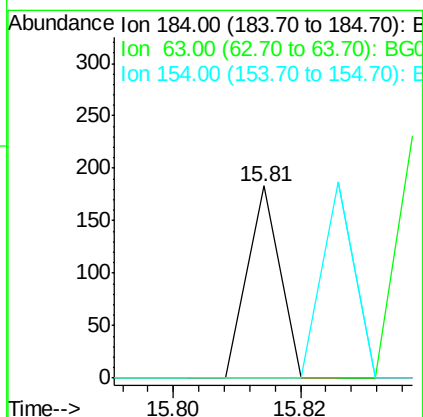
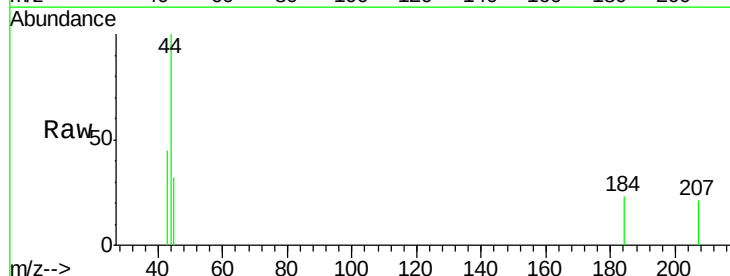
Instrument :
 BNA_G
 ClientSampleId :

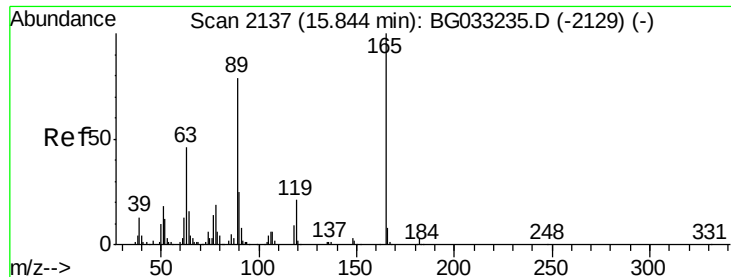
Tot Ion:165 Resp: 14982
 Ion Ratio Lower Upper
 165 100
 63 2.1 52.7 79.1#
 89 2.9 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.695 ng
 RT: 15.81 min Scan# 2132
 Delta R.T. 0.23 min
 Lab File: BG033416.D
 Acq: 29 Mar 2018 11:43

Tgt Ion:184 Resp: 65
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

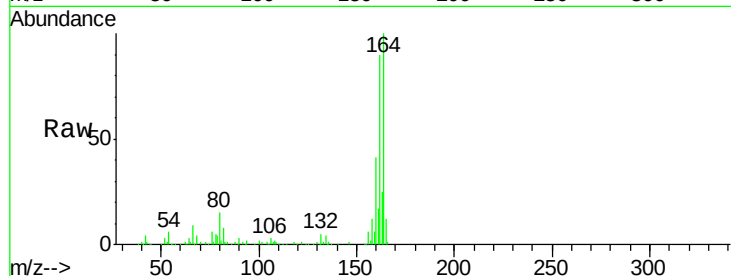




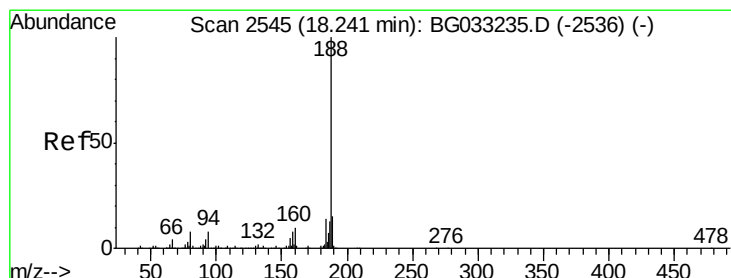
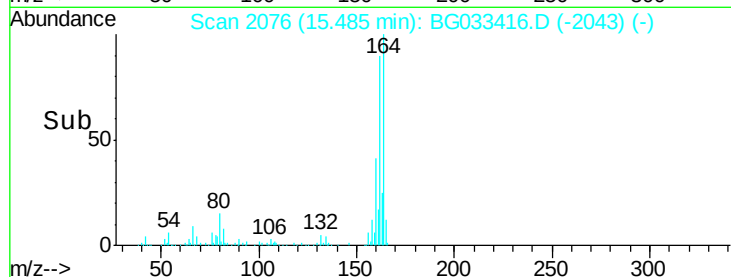
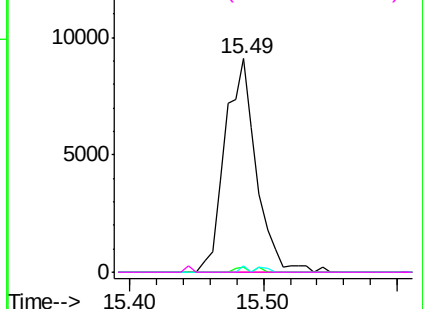
#56
 2,4-Dinitrotoluene
 Concen: 4.670 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. -0.34 min
 Lab File: BG033416.D
 Acq: 29 Mar 2018 11:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 14983
 Ion Ratio Lower Upper
 165 100
 63 2.1 42.0 63.0#
 89 2.9 66.9 100.3#
 182 0.0 2.6 3.8#

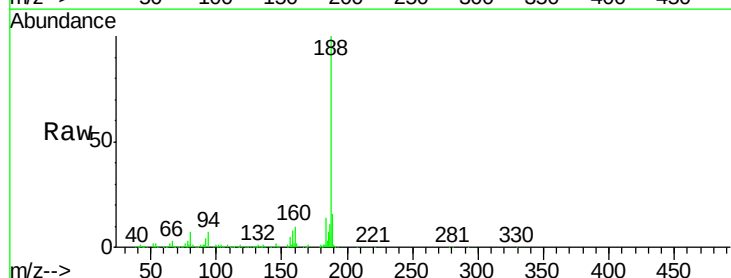


Abundance Ion 165.00 (164.70 to 165.70): E

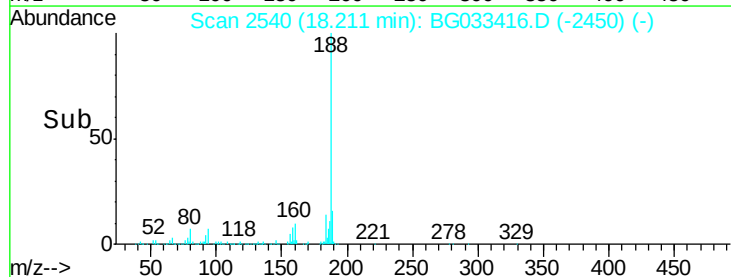
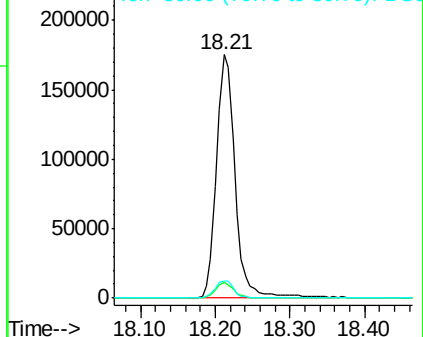


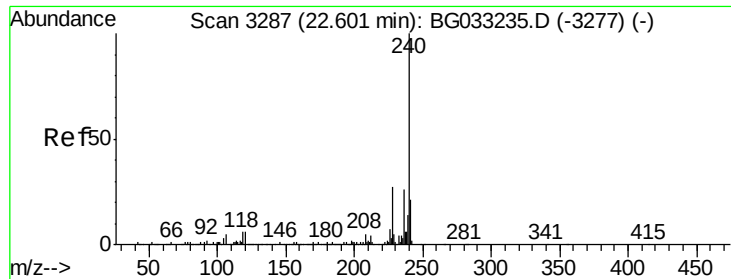
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BG033416.D
 Acq: 29 Mar 2018 11:43

Tgt Ion:188 Resp: 304003
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.9 10.3#
 80 6.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

Instrument :

BNA_G

ClientSampleId :

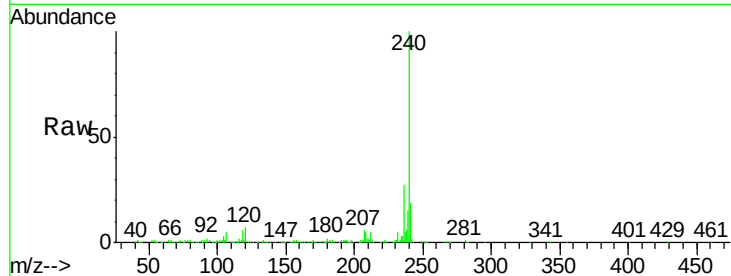
Tot Ion:240 Resp: 312751

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

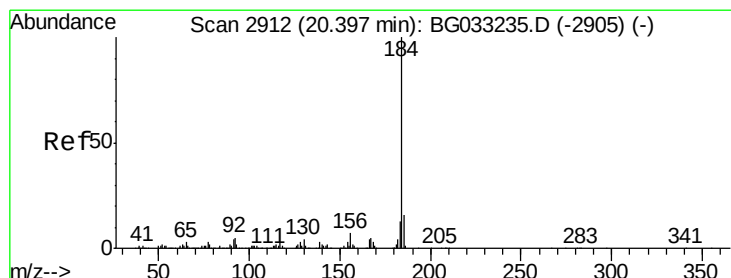
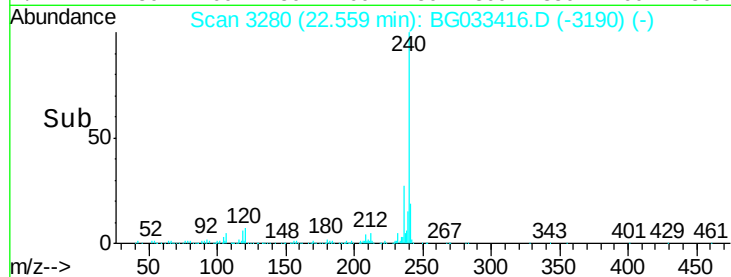
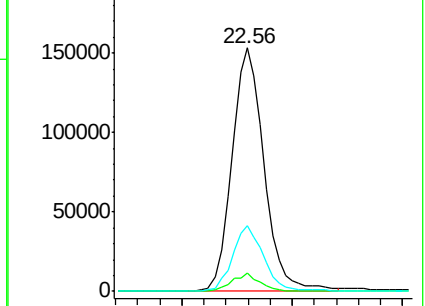
236 27.1 20.9 31.3



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



#76

Benzidine

Concen: 3.176 ng

RT: 20.74 min Scan# 2970

Delta R.T. 0.37 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

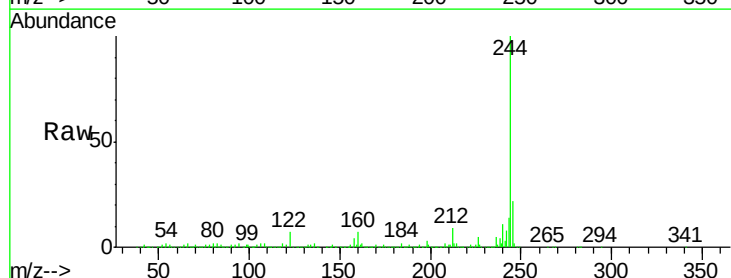
Tgt Ion:184 Resp: 26937

Ion Ratio Lower Upper

184 100

185 19.7 11.1 16.7#

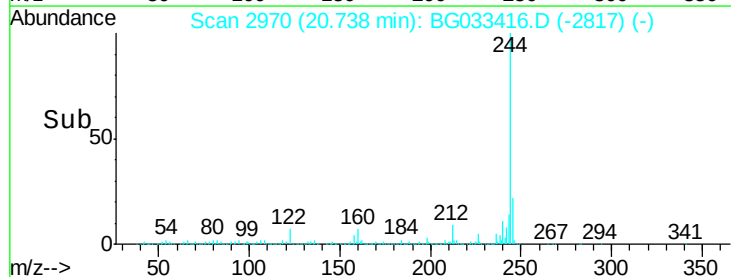
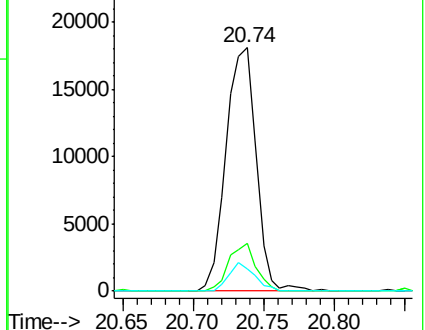
183 9.2 10.6 16.0#

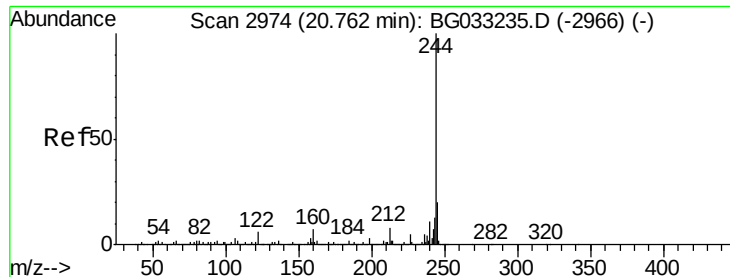


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 108.746 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

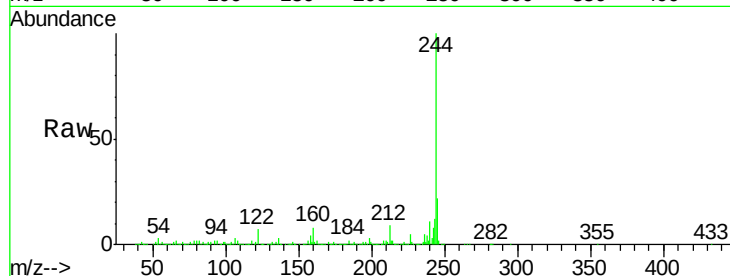
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1590307

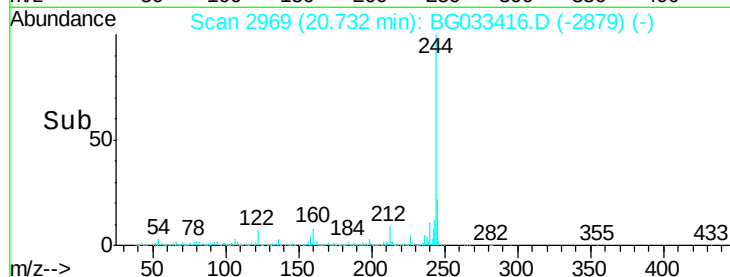
Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	7.4	7.0	10.4



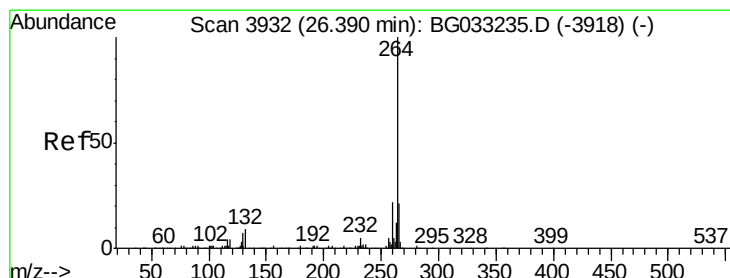
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.33 min Scan# 3921

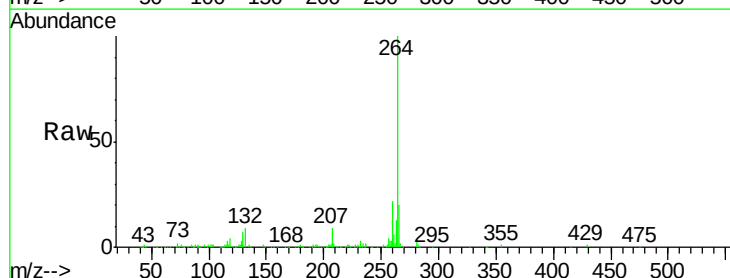
Delta R.T. -0.01 min

Lab File: BG033416.D

Acq: 29 Mar 2018 11:43

Tgt Ion:264 Resp: 315997

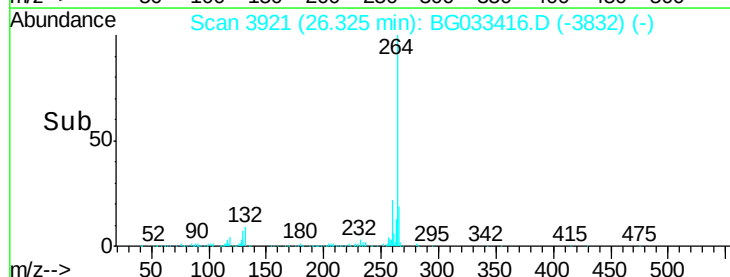
Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.4	26.0
265	19.8	17.7	26.5



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



Time-->