

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032517\
 Data File : BG026419.D
 Acq On : 24 Mar 2017 17:52
 Operator : SJ/MA
 Sample : I2378-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 53A-9-11

Quant Time: Mar 24 23:09:50 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

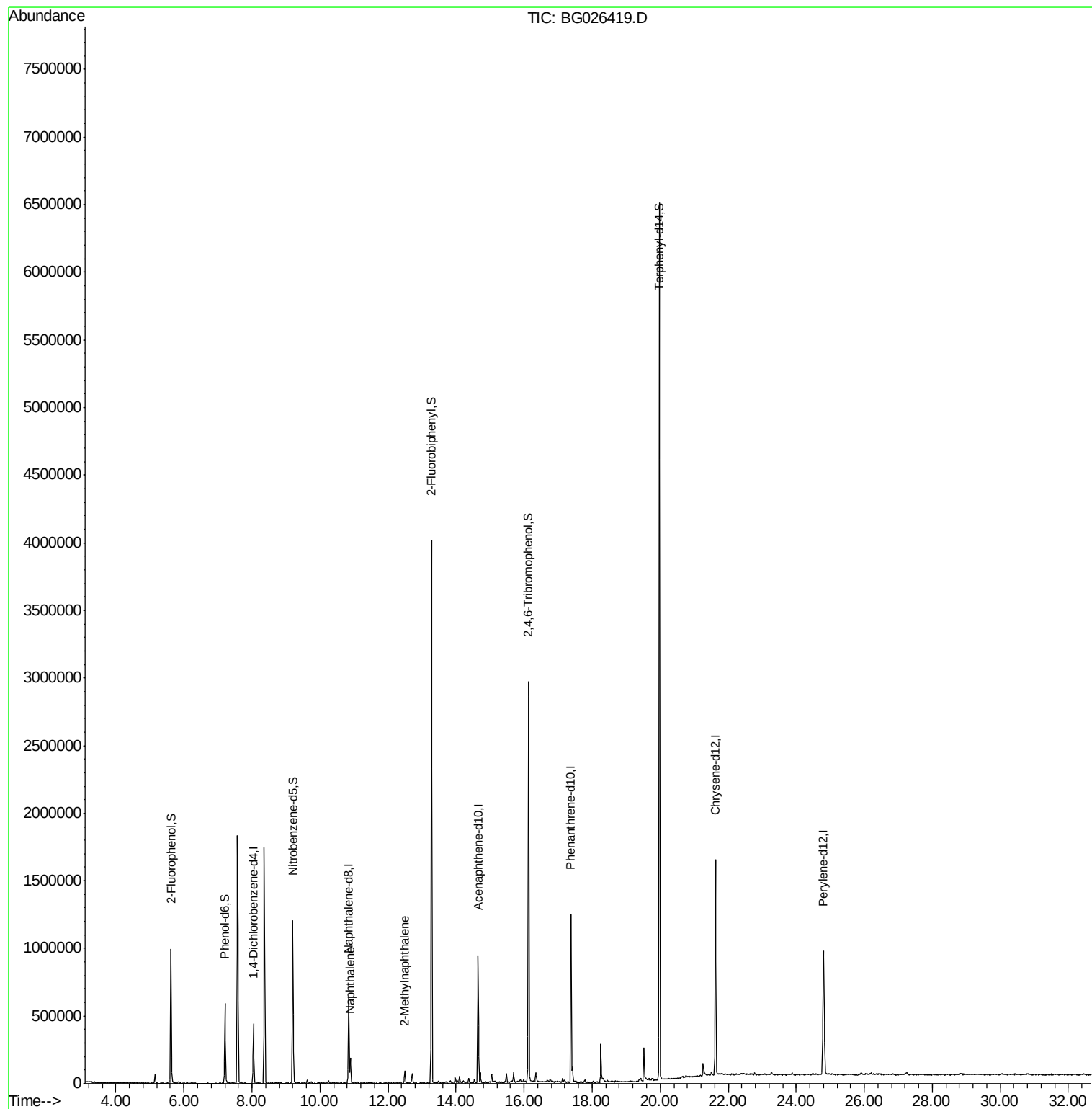
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	147594	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	608622	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	345749	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	831994	20.00	ng	-0.01
75) Chrysene-d12	21.63	240	990804	20.00	ng	-0.01
86) Perylene-d12	24.80	264	951735	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	550731	66.23	ng	0.00
7) Phenol-d6	7.21	99	437137	39.16	ng	0.00
23) Nitrobenzene-d5	9.20	82	798428	78.88	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	624667	157.77	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	2235313	90.67	ng	0.00
78) Terphenyl-d14	19.98	244	2810129	68.88	ng	0.00
Target Compounds						
31) Naphthalene	10.90	128	175955	5.72	ng	99
37) 2-Methylnaphthalene	12.49	142	49015	2.17	ng	# 92

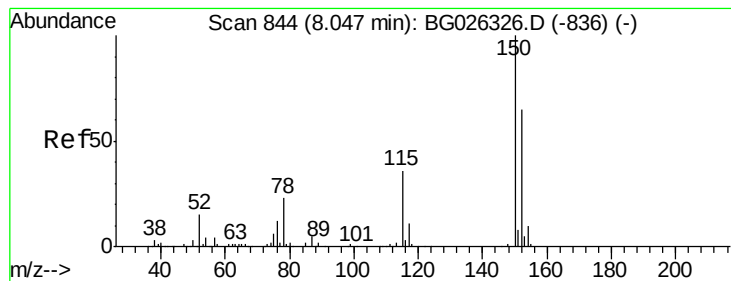
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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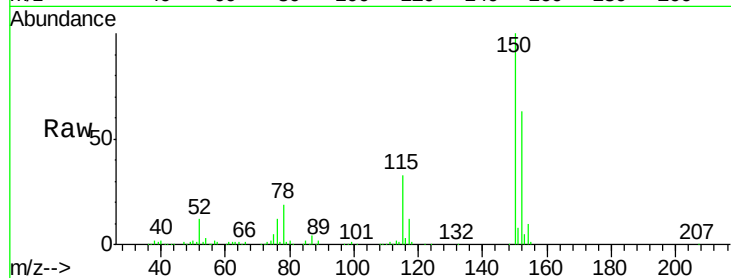


#1

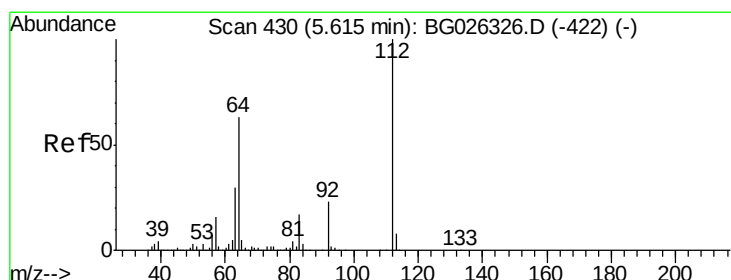
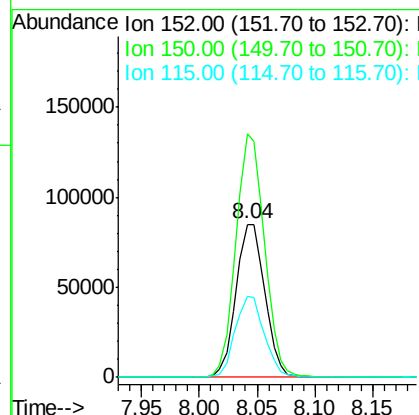
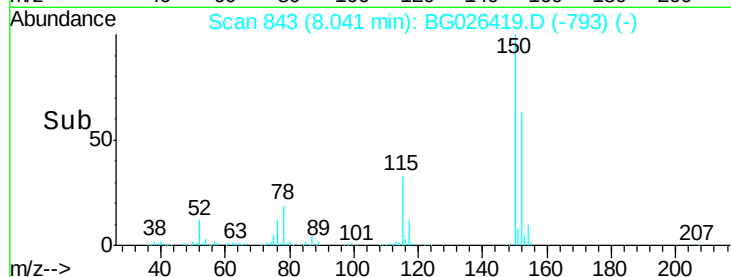
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG026419.D
Acq: 24 Mar 2017 17:52

Instrument :
BNA_G
ClientSampleId :
53A-9-11

Tot Ion:152 Resp: 147594
Ion Ratio Lower Upper
152 100
150 159.2 114.0 171.0
115 52.9 48.1 72.1



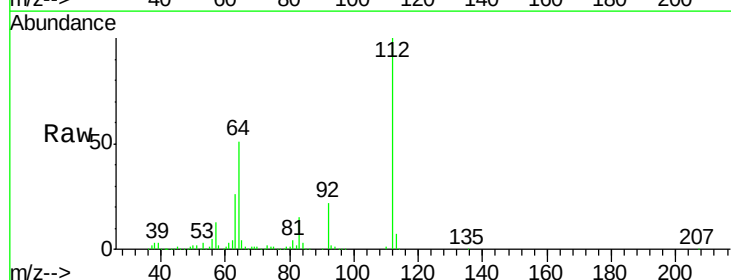
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



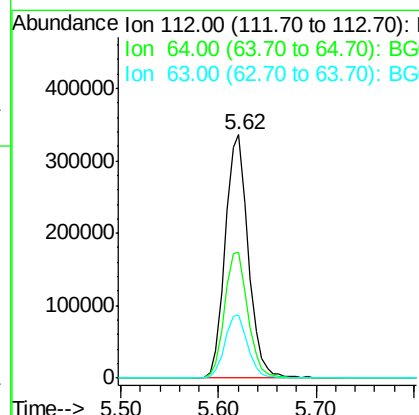
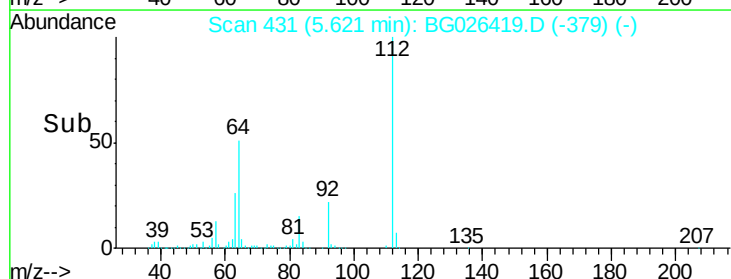
#5

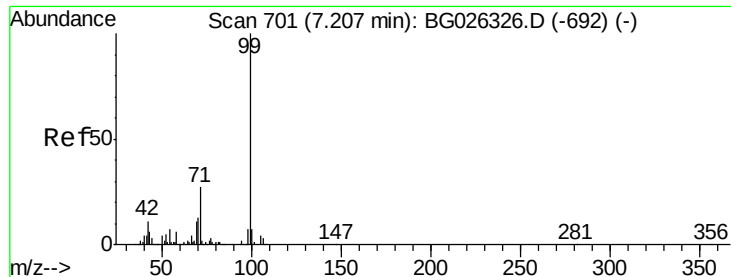
2-Fluorophenol
Concen: 66.23 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG026419.D
Acq: 24 Mar 2017 17:52

Tgt Ion:112 Resp: 550731
Ion Ratio Lower Upper
112 100
64 51.5 61.8 92.6#
63 26.1 37.2 55.8#



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: 39.16 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG026419.D

Acq: 24 Mar 2017 17:52

Instrument :

BNA_G

ClientSampleId :

53A-9-11

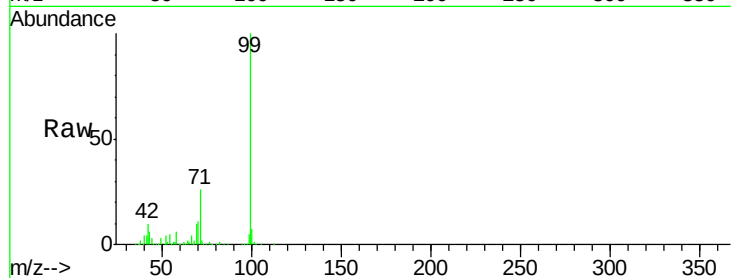
Tot Ion: 99 Resp: 437137

Ion Ratio Lower Upper

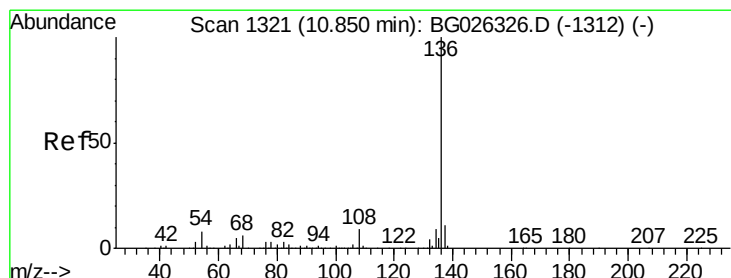
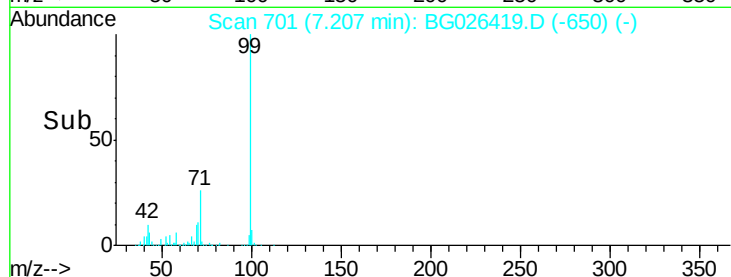
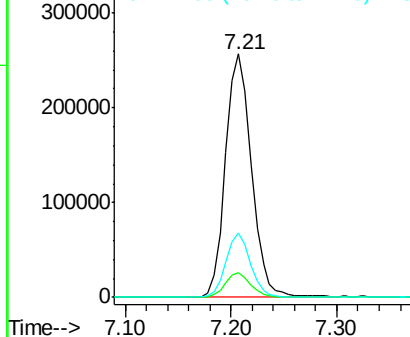
99 100

42 10.2 20.5 30.7#

71 26.4 37.6 56.4#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG026419.D

Acq: 24 Mar 2017 17:52

Tgt Ion: 136 Resp: 608622

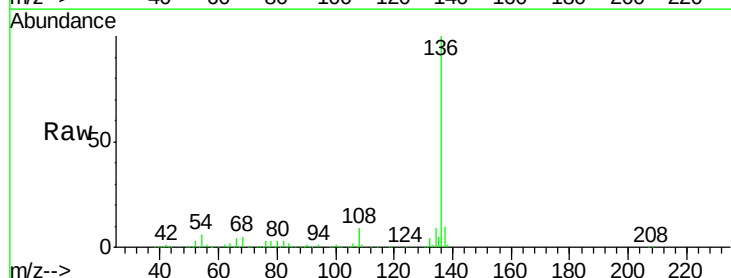
Ion Ratio Lower Upper

136 100

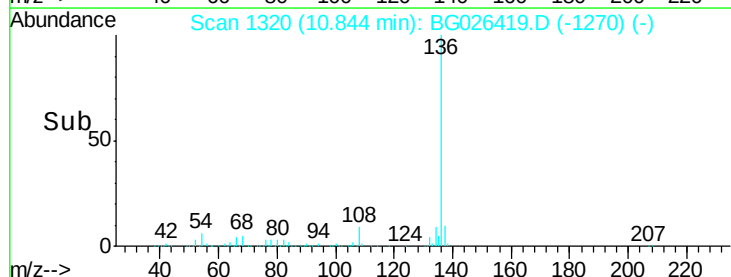
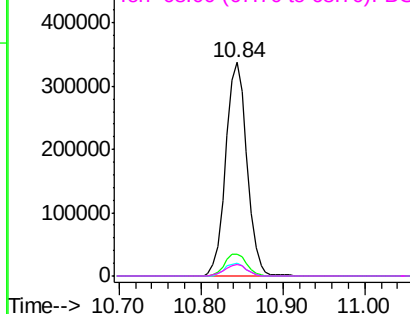
137 10.5 8.9 13.3

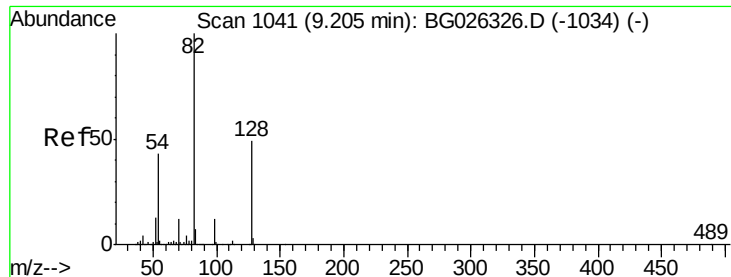
54 6.0 9.3 13.9#

68 5.4 5.1 7.7



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

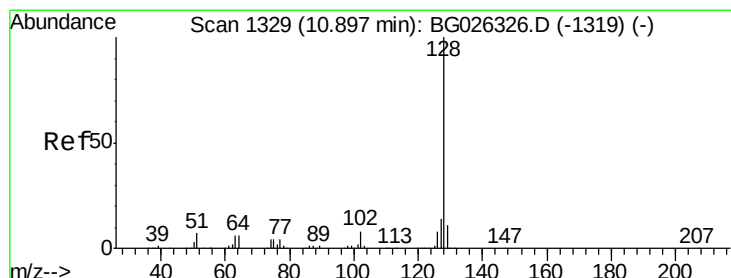
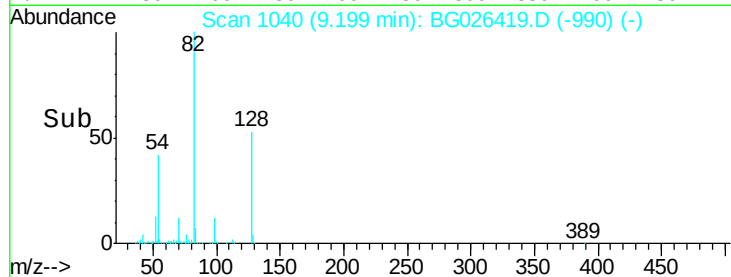
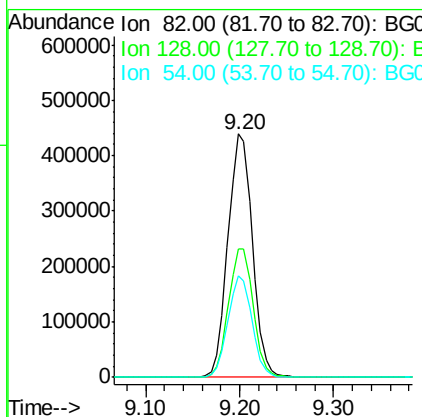
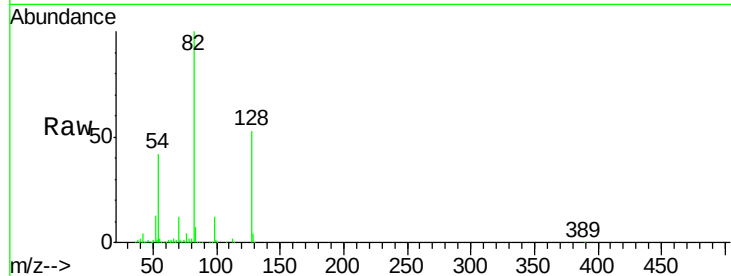




#23
Nitrobenzene-d5
Concen: 78.88 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG026419.D
Acq: 24 Mar 2017 17:52

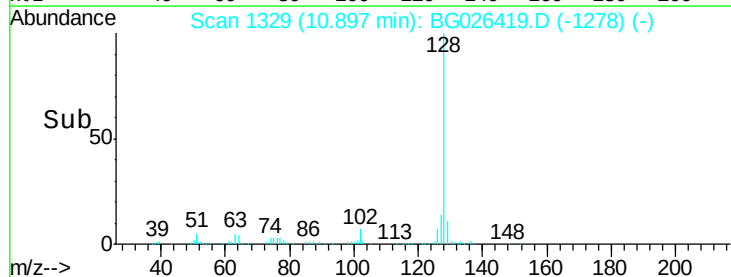
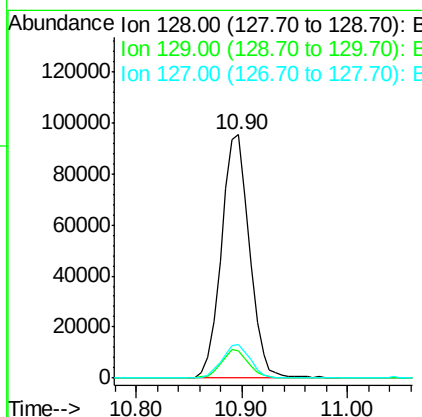
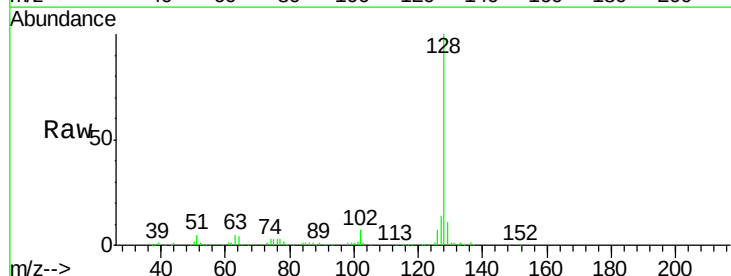
Instrument :
BNA_G
ClientSampleId :
53A-9-11

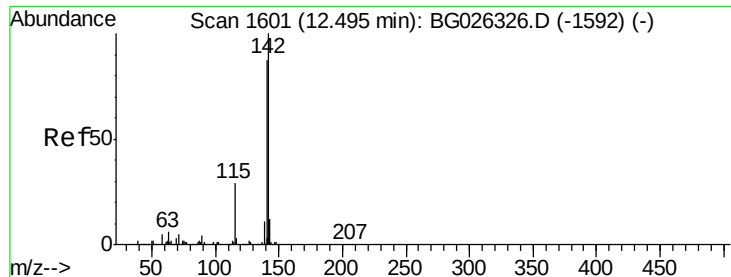
Tot Ion	82	Resp	798428
Ion Ratio	Lower	Upper	
82	100		
128	52.6	26.4	39.6#
54	41.5	49.4	74.2#



#31
Naphthalene
Concen: 5.72 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG026419.D
Acq: 24 Mar 2017 17:52

Tgt Ion	128	Resp	175955
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.3	13.9
127	13.6	11.4	17.0





#37

2-Methylnaphthalene

Concen: 2.17 ng

RT: 12.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BG026419.D

Acq: 24 Mar 2017 17:52

Instrument :

BNA_G

ClientSampleId :

53A-9-11

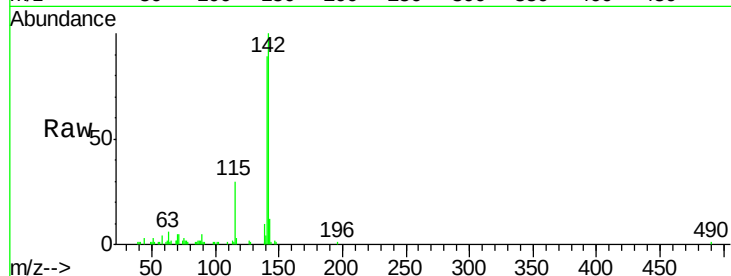
Tot Ion:142 Resp: 49015

Ion Ratio Lower Upper

142 100

141 88.7 70.4 105.6

115 29.6 35.5 53.3#

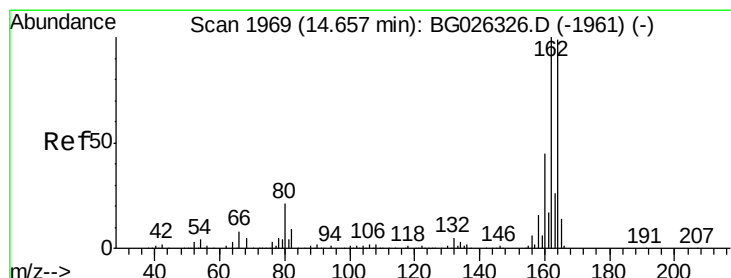
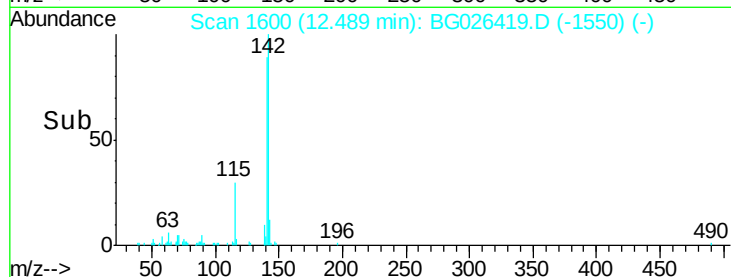
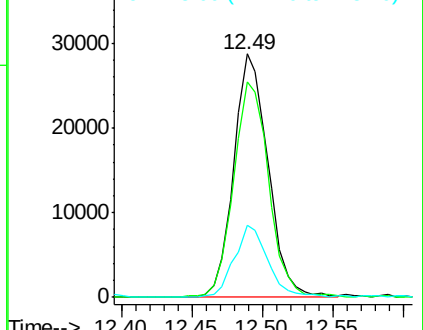


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG026419.D

Acq: 24 Mar 2017 17:52

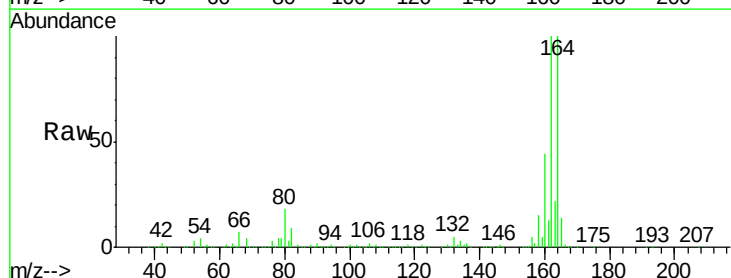
Tgt Ion:164 Resp: 345749

Ion Ratio Lower Upper

164 100

162 100.0 85.1 127.7

160 44.1 34.7 52.1

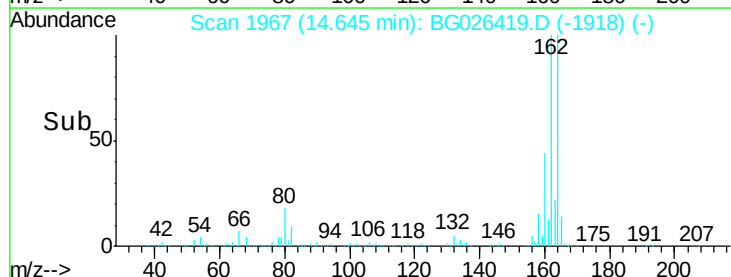
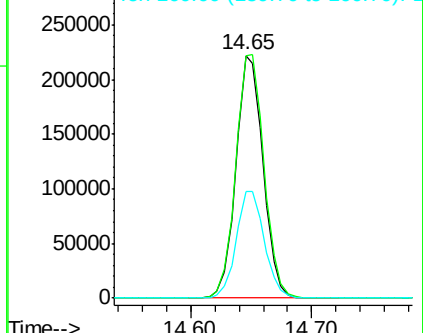


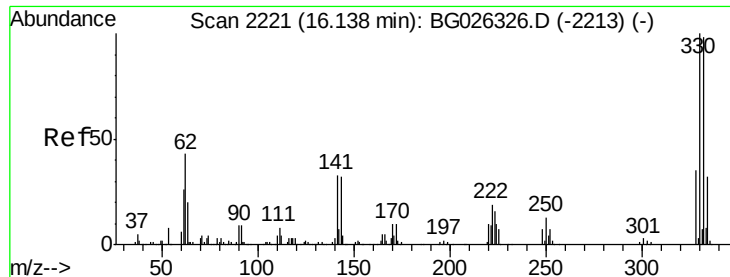
Abundance

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

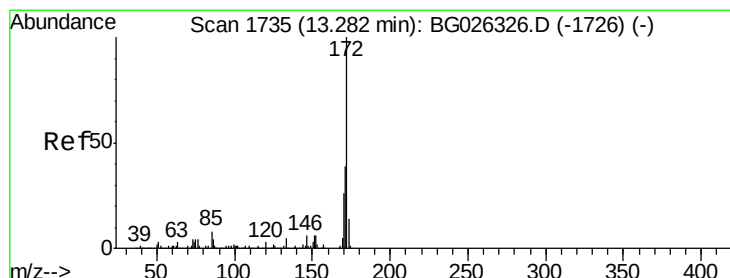
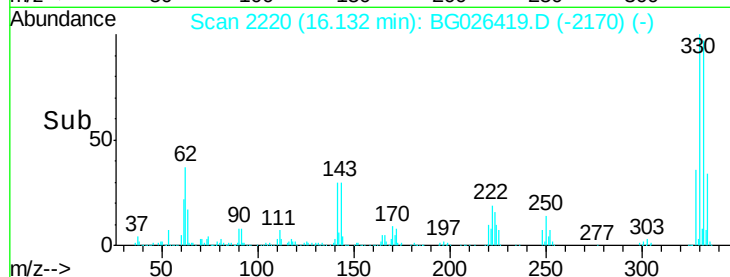
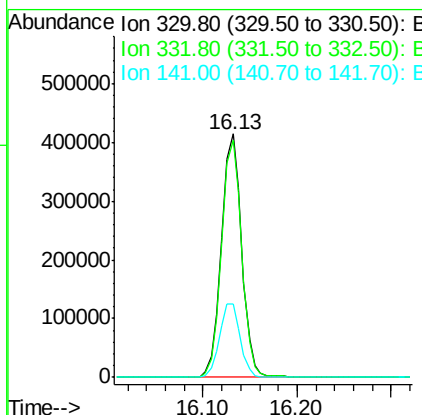
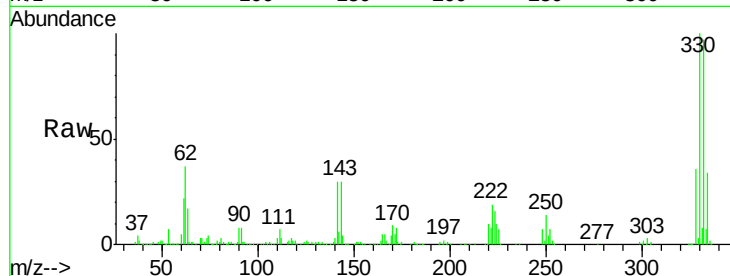




#41
 2,4,6-Tribromophenol
 Concen: 157.77 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG026419.D
 Acq: 24 Mar 2017 17:52

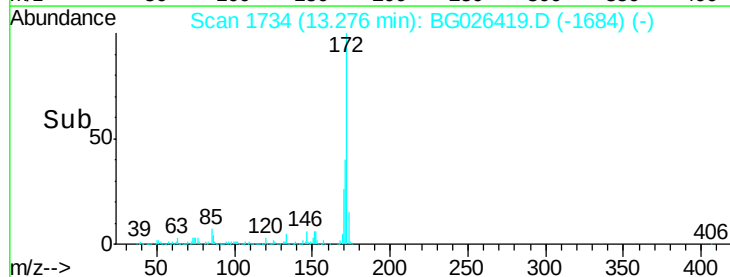
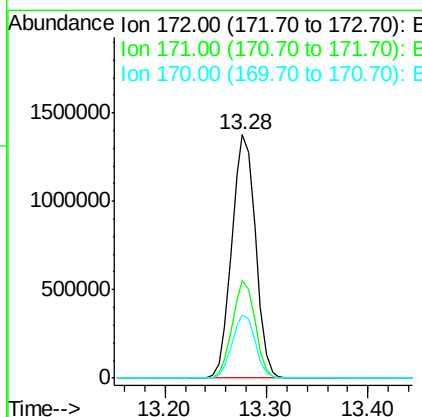
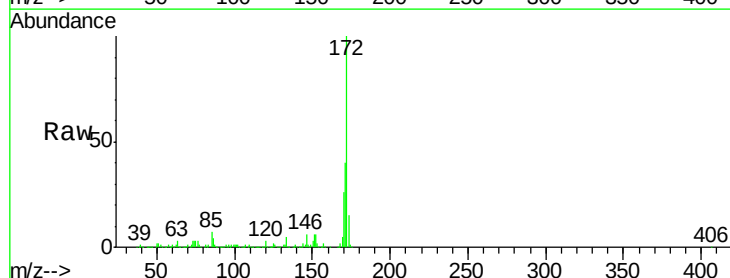
Instrument :
 BNA_G
 ClientSampled :
 53A-9-11

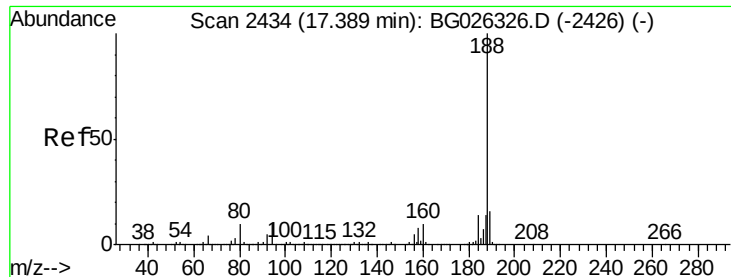
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	31.0	32.1	48.1#



#44
 2-Fluorobiphenyl
 Concen: 90.67 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG026419.D
 Acq: 24 Mar 2017 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.3	32.2	48.2
170	26.1	21.8	32.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG026419.D

Acq: 24 Mar 2017 17:52

Instrument :

BNA_G

ClientSampleId :

53A-9-11

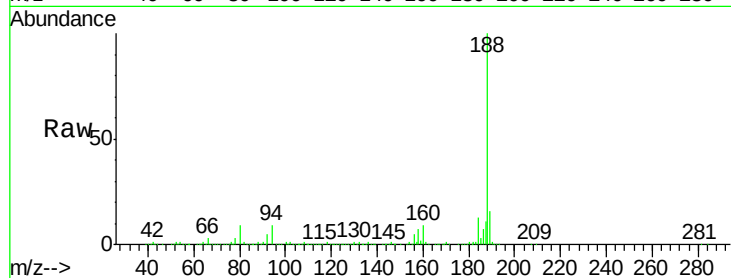
Tot Ion:188 Resp: 831994

Ion Ratio Lower Upper

188 100

94 9.2 5.8 8.8#

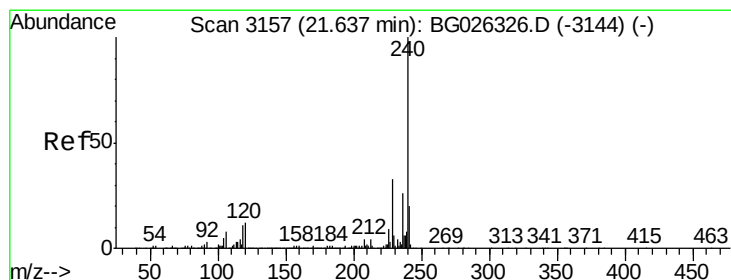
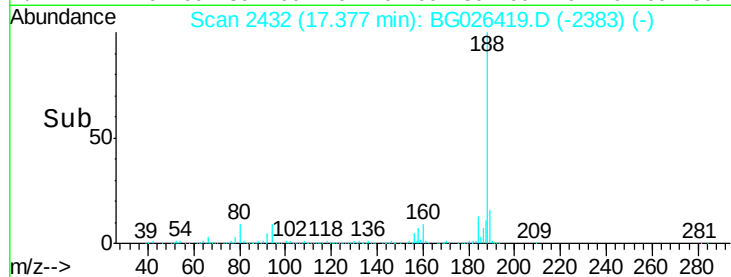
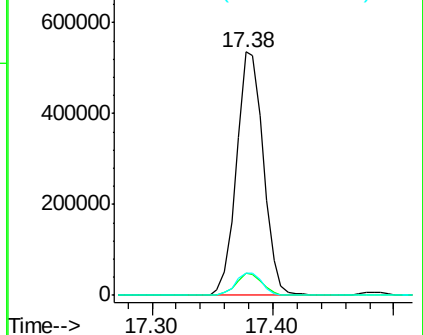
80 9.0 7.5 11.3



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG026419.D

Acq: 24 Mar 2017 17:52

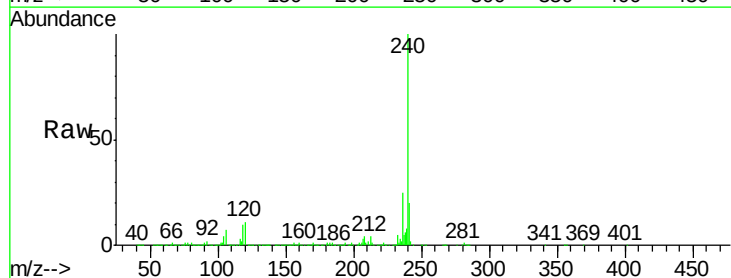
Tgt Ion:240 Resp: 990804

Ion Ratio Lower Upper

240 100

120 11.2 5.7 8.5#

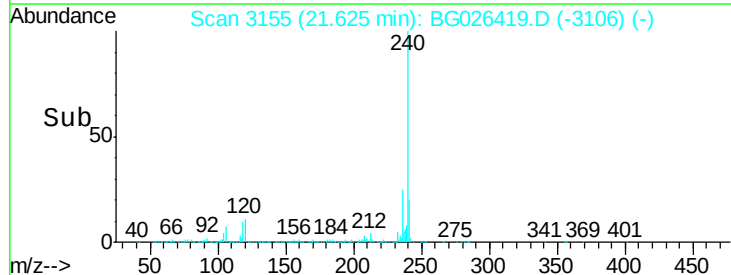
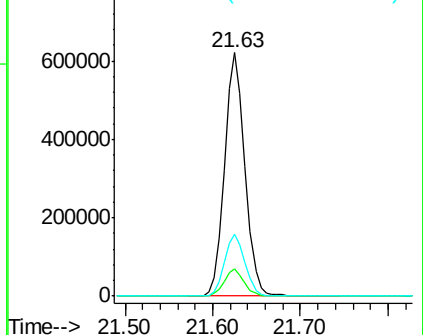
236 25.3 22.2 33.4

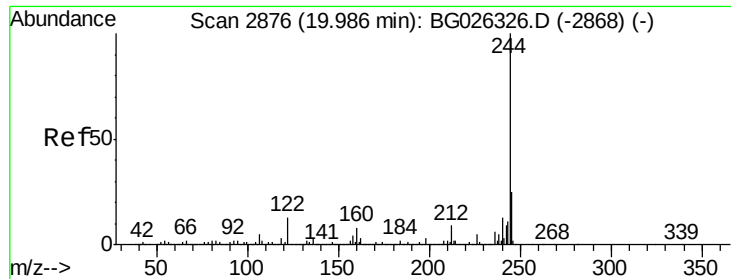


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 68.88 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026419.D

Acq: 24 Mar 2017 17:52

Instrument :

BNA_G

ClientSampleId :

53A-9-11

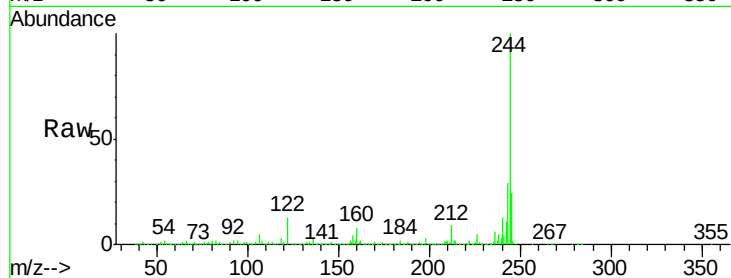
Tot Ion:244 Resp: 2810129

Ion Ratio Lower Upper

244 100

212 8.8 10.0 15.0#

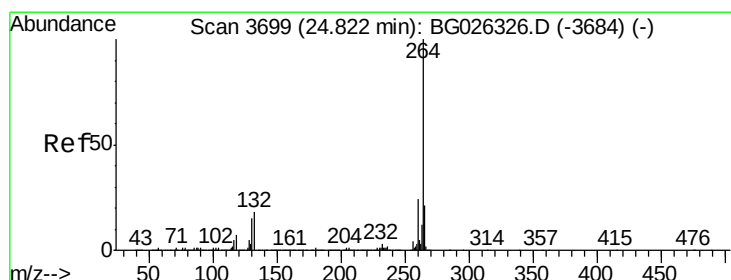
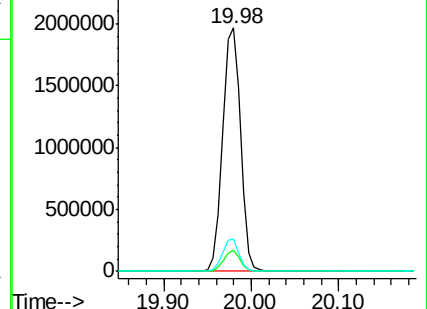
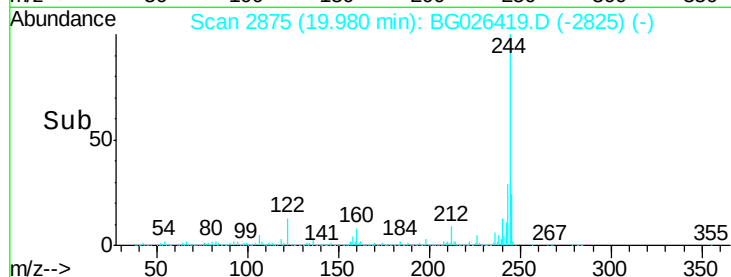
122 13.3 8.6 12.8#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.80 min Scan# 3696

Delta R.T. -0.02 min

Lab File: BG026419.D

Acq: 24 Mar 2017 17:52

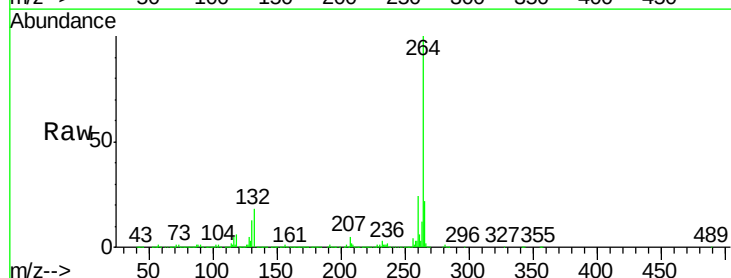
Tgt Ion:264 Resp: 951735

Ion Ratio Lower Upper

264 100

260 23.8 21.8 32.8

265 21.7 18.2 27.4



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

