

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121817\
 Data File : BG031645.D
 Acq On : 18 Dec 2017 22:06
 Operator : SJ/JU
 Sample : I6680-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 19 07:05:25 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

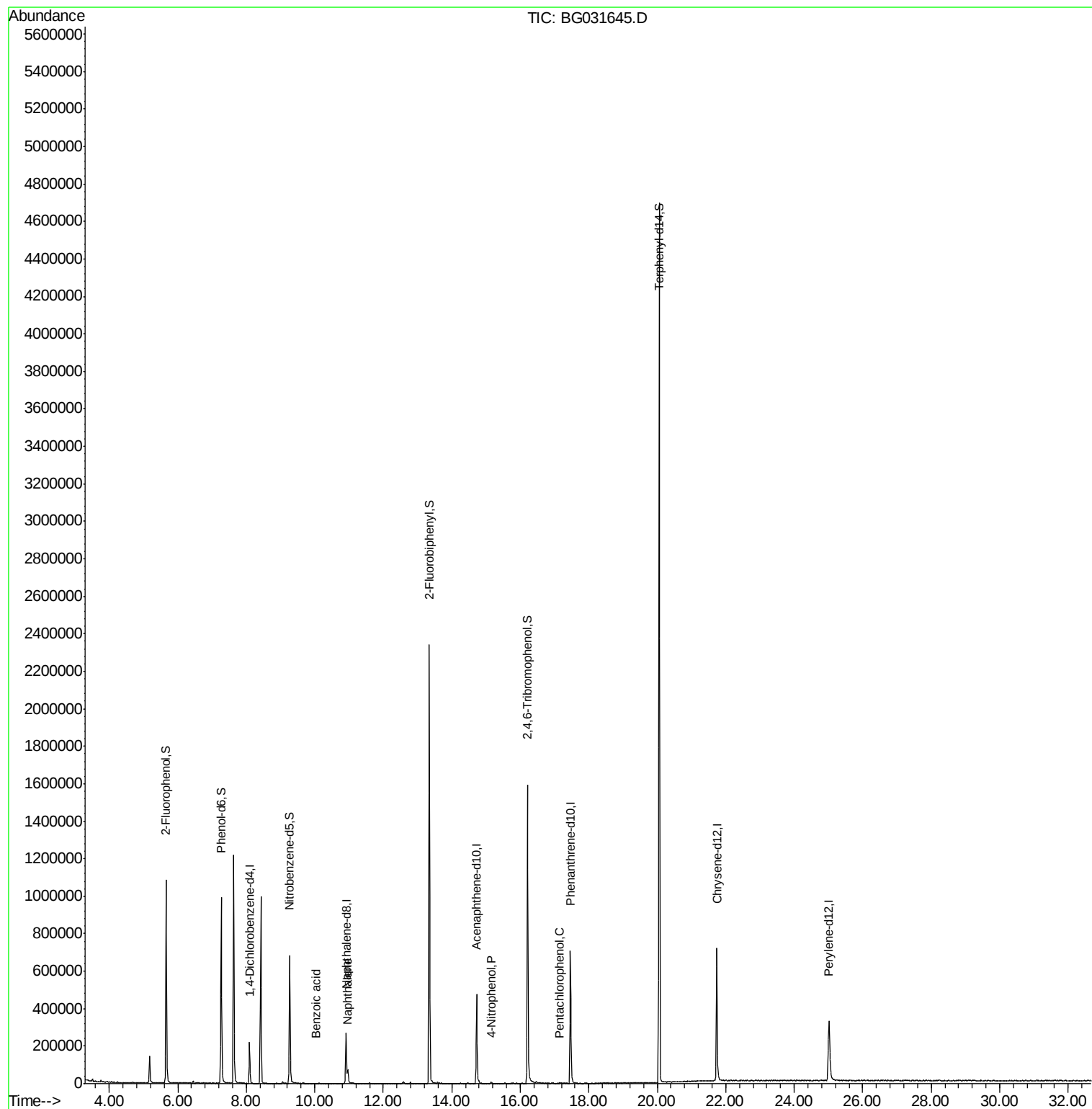
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	69932	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	297404	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	197344	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	512028	20.00	ng	-0.01
75) Chrysene-d12	21.74	240	516745	20.00	ng	-0.01
86) Perylene-d12	25.02	264	444008	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	572679	145.15	ng	-0.01
7) Phenol-d6	7.27	99	670679	122.45	ng	0.00
23) Nitrobenzene-d5	9.26	82	470620	97.54	ng	-0.01
41) 2,4,6-Tribromophenol	16.21	330	384707	166.40	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1380013	102.65	ng	0.00
78) Terphenyl-d14	20.06	244	2366577	104.20	ng	-0.01
Target Compounds						
31) Naphthalene	10.97	128	69391	4.749	ng	Qvalue 100
32) Benzoic acid	10.04	122	55	6.979	ng	# 1
55) 4-Nitrophenol	15.15	139	2324	4.466	ng	# 1
69) Pentachlorophenol	17.14	266	54	5.678	ng	# 19

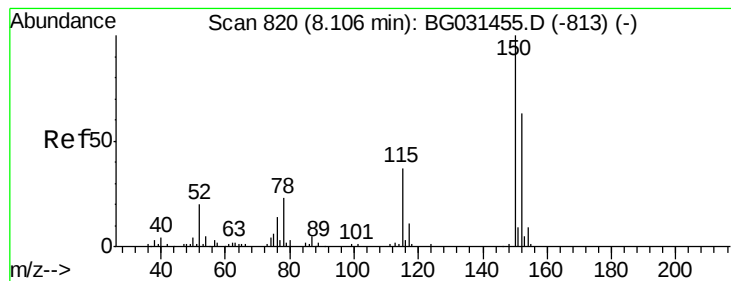
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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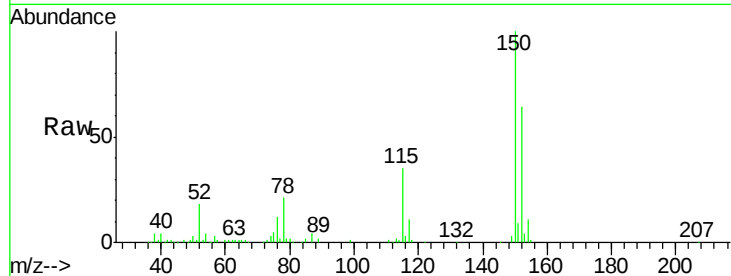


#1

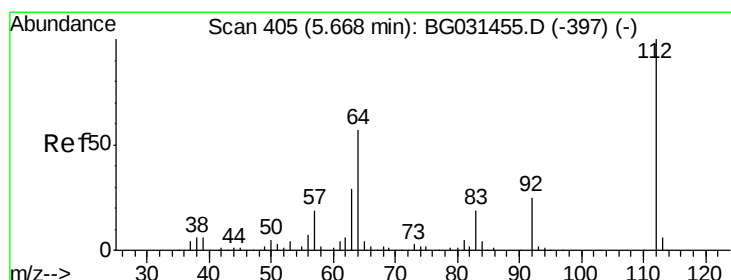
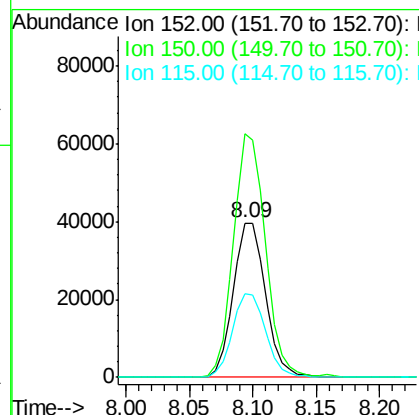
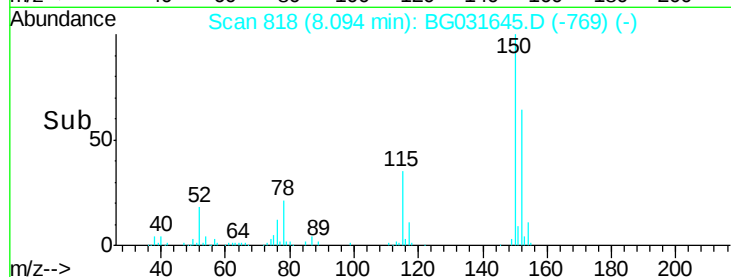
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG031645.D
Acq: 18 Dec 2017 22:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 69932
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 54.5 53.0 79.4



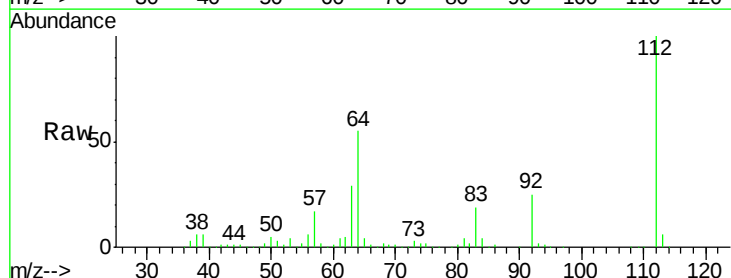
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



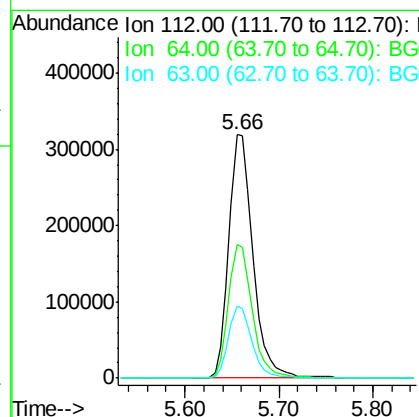
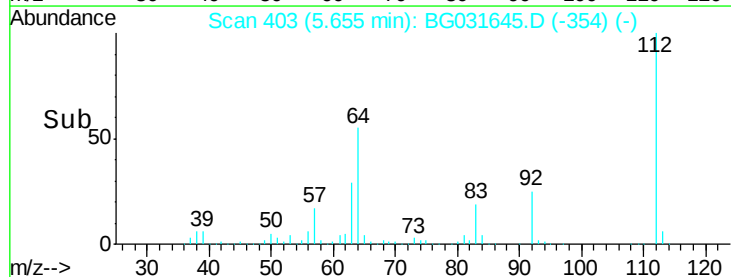
#5

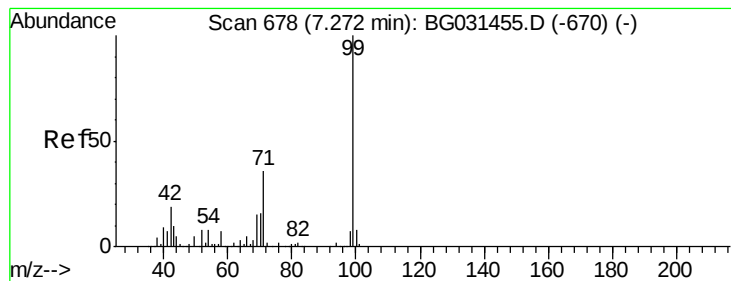
2-Fluorophenol
Concen: 145.153 ng
RT: 5.66 min Scan# 403
Delta R.T. -0.01 min
Lab File: BG031645.D
Acq: 18 Dec 2017 22:06

Tgt Ion:112 Resp: 572679
Ion Ratio Lower Upper
112 100
64 54.8 56.3 84.5#
63 29.4 30.1 45.1#



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: 122.452 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

Instrument :

BNA_G

ClientSampleId :

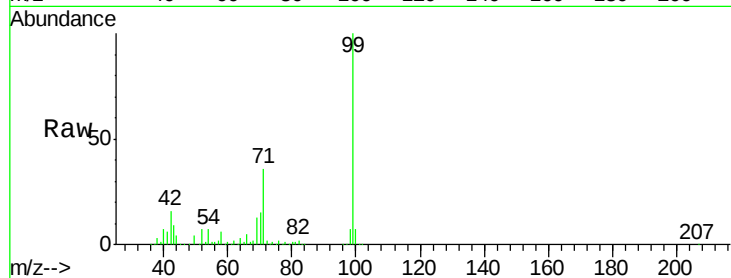
Tot Ion: 99 Resp: 670679

Ion Ratio Lower Upper

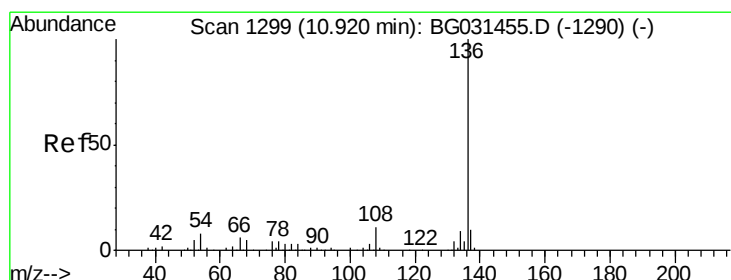
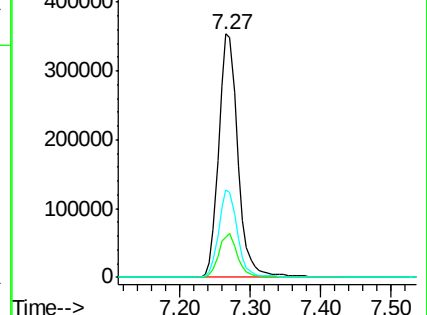
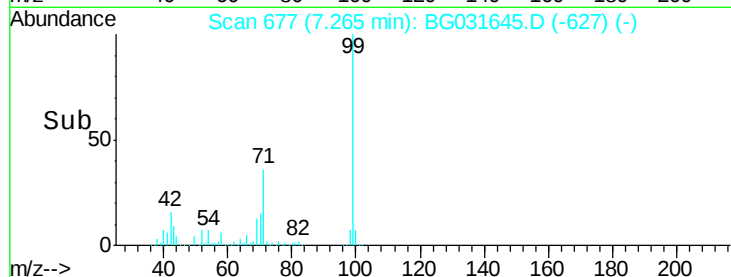
99 100

42 16.5 14.1 21.1

71 35.8 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

Tgt Ion: 136 Resp: 297404

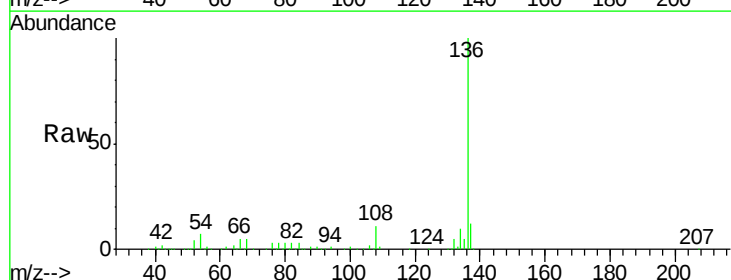
Ion Ratio Lower Upper

136 100

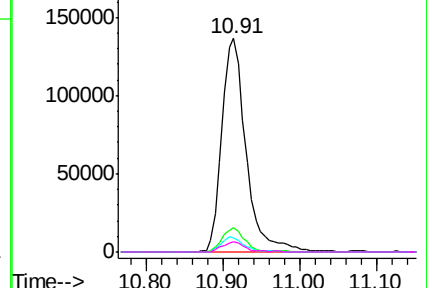
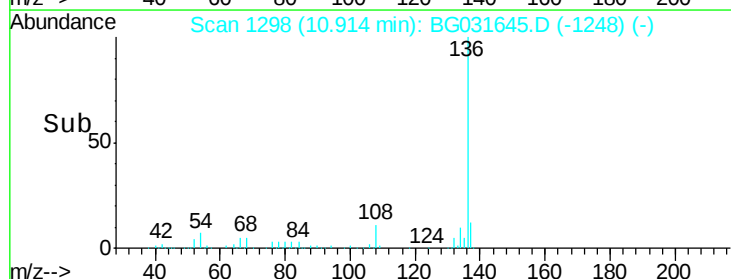
137 11.6 9.2 13.8

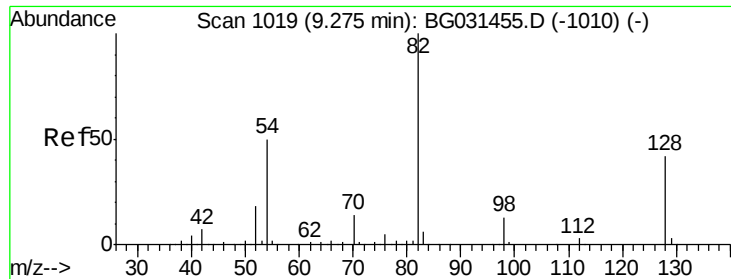
54 6.7 10.3 15.5#

68 4.7 4.5 6.7



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

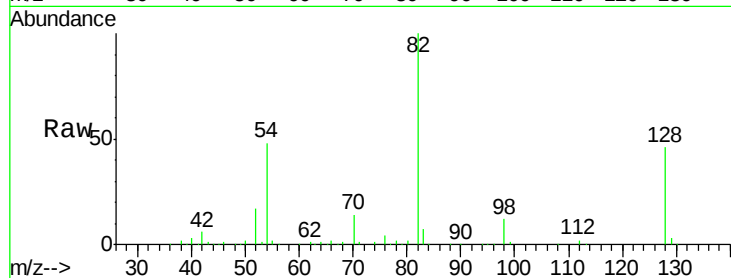




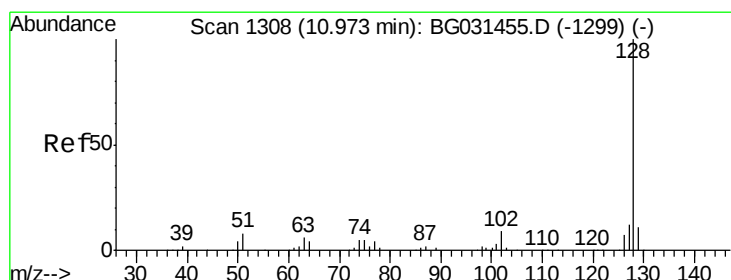
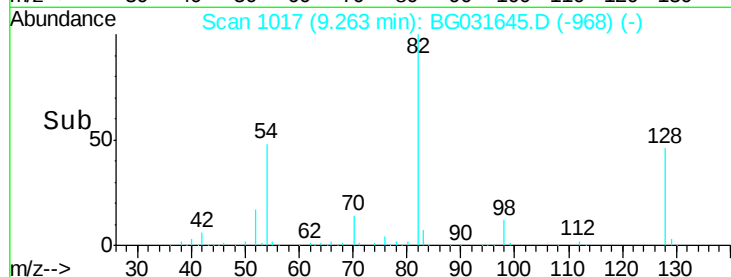
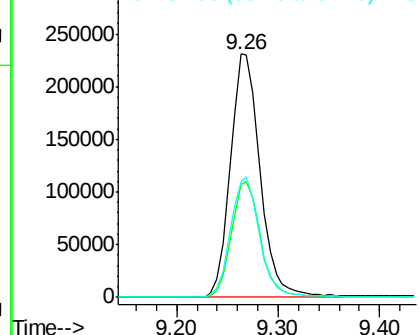
#23
Nitrobenzene-d5
Concen: 97.535 ng
RT: 9.26 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BG031645.D
Acq: 18 Dec 2017 22:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 470620
Ion Ratio Lower Upper
82 100
128 46.2 29.7 44.5#
54 47.6 43.1 64.7

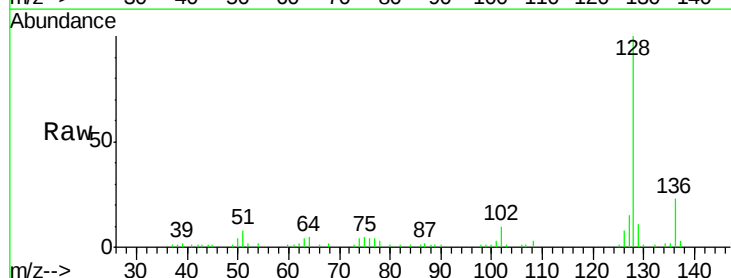


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

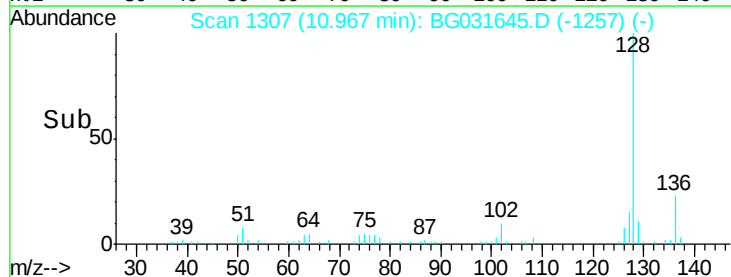
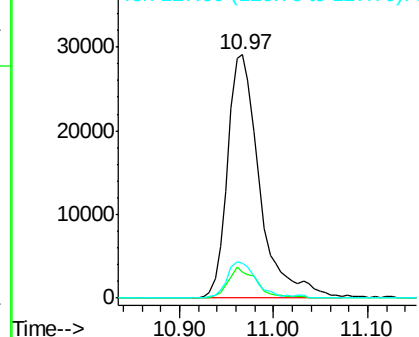


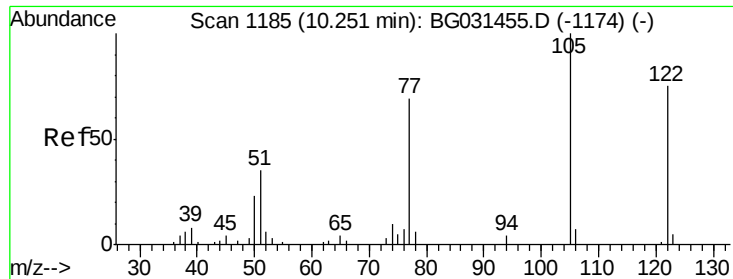
#31
Naphthalene
Concen: 4.749 ng
RT: 10.97 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BG031645.D
Acq: 18 Dec 2017 22:06

Tgt Ion: 128 Resp: 69391
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 14.5 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 6.979 ng

RT: 10.04 min Scan# 1149

Delta R.T. -0.21 min

Lab File: BG031645.D

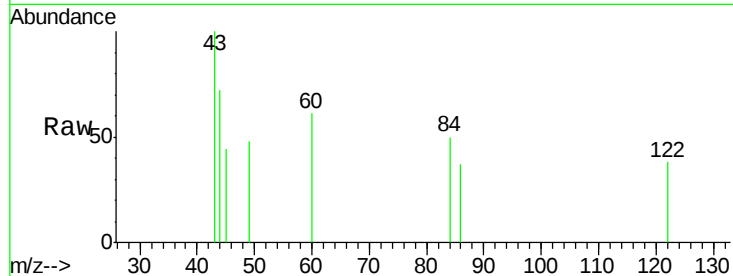
Acq: 18 Dec 2017 22:06

Instrument :

BNA_G

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

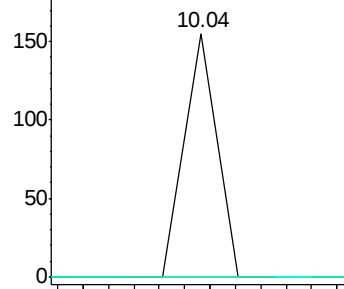


Abundance

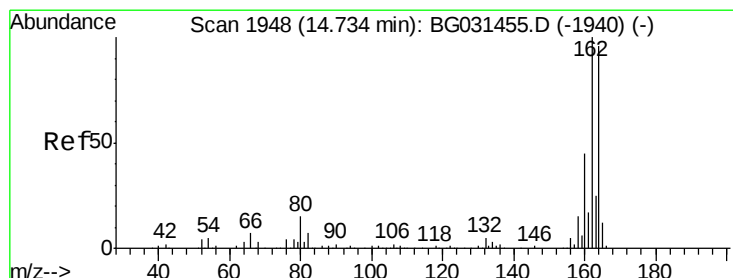
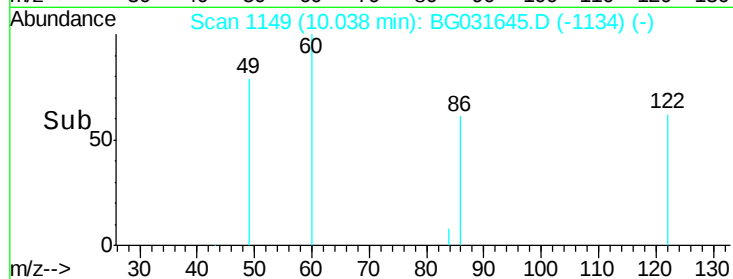
Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

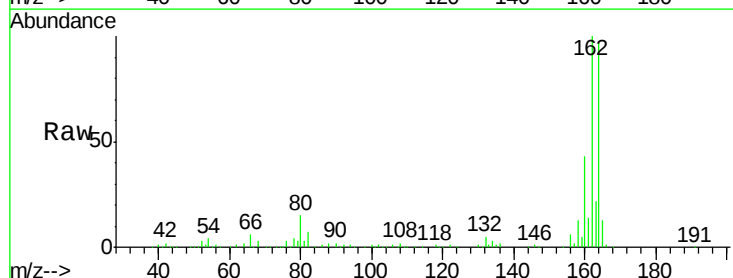
RT: 14.72 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	78.8	118.2
160	44.5	35.4	53.0

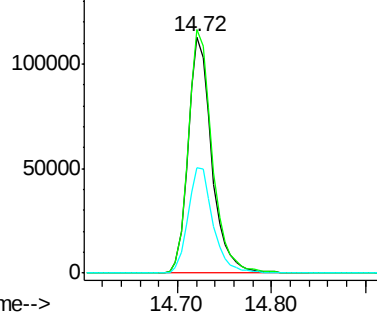


Abundance

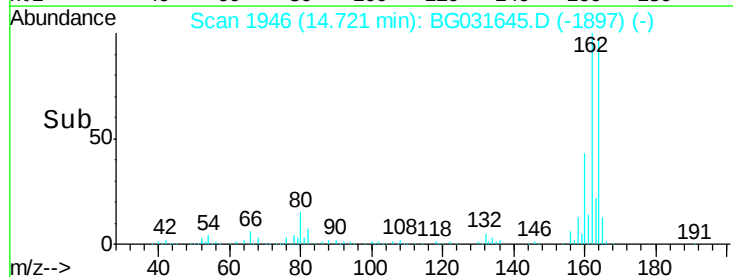
Ion 164.00 (163.70 to 164.70): E

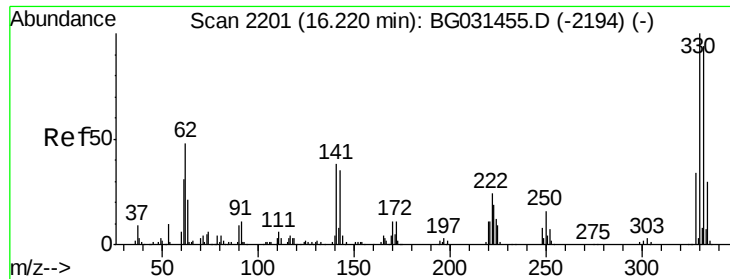
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

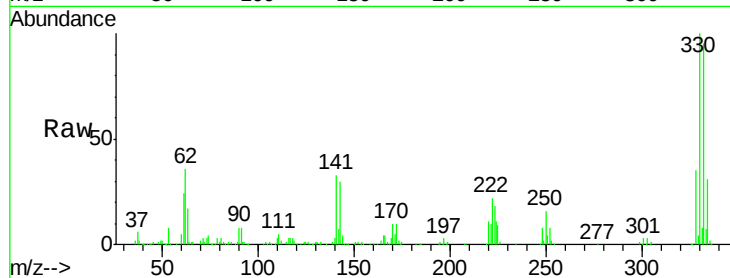




#41
 2,4,6-Tribromophenol
 Concen: 166.398 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG031645.D
 Acq: 18 Dec 2017 22:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	33.3	25.2	37.8

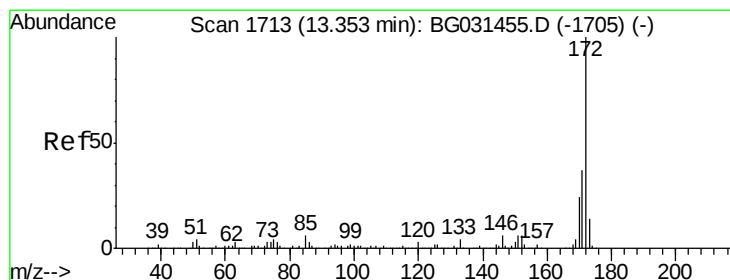
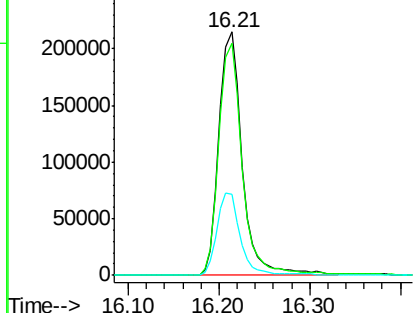
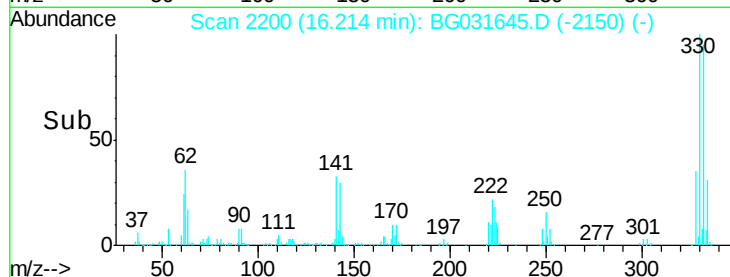


Abundance

Ion 329.80 (329.50 to 330.50): E

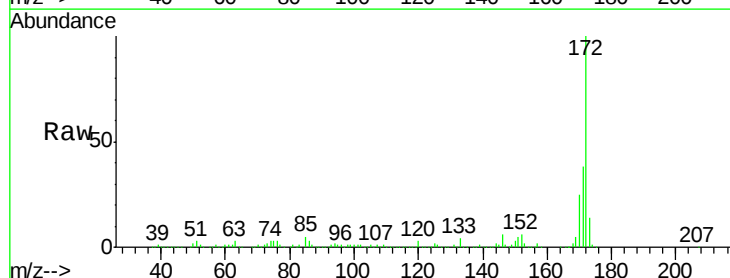
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 102.647 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BG031645.D
 Acq: 18 Dec 2017 22:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	24.6	19.5	29.3

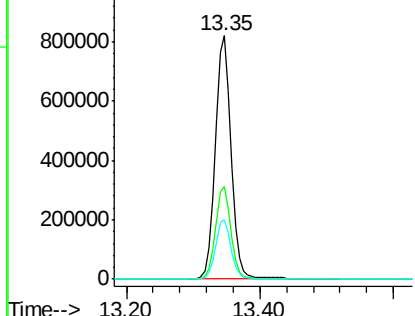
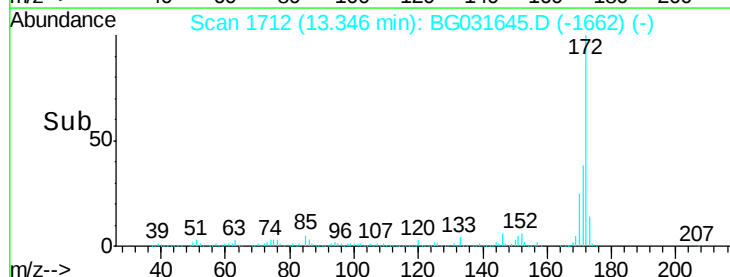


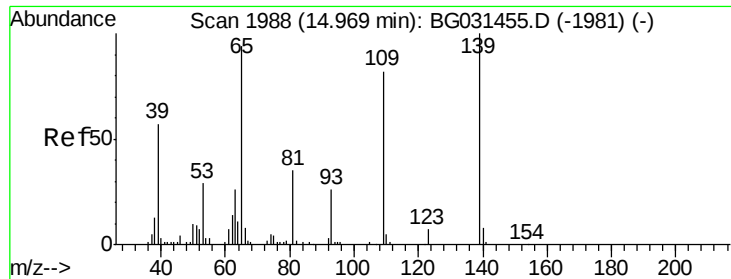
Abundance

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





#55

4-Nitrophenol

Concen: 4.466 ng

RT: 15.15 min Scan# 2019

Delta R.T. 0.18 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

Instrument :

BNA_G

ClientSampleId :

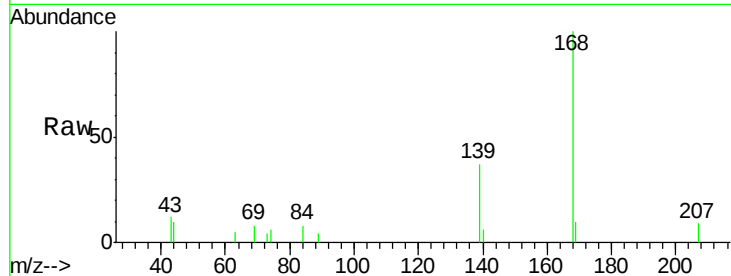
Tot Ion:139 Resp: 2324

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

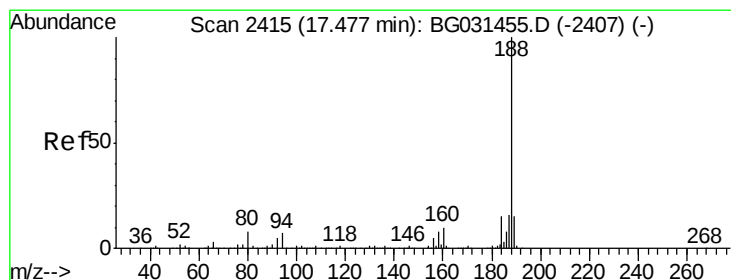
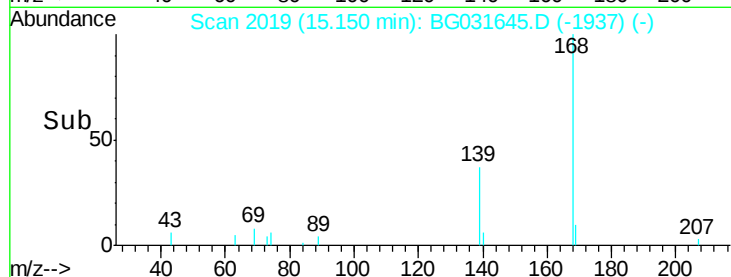
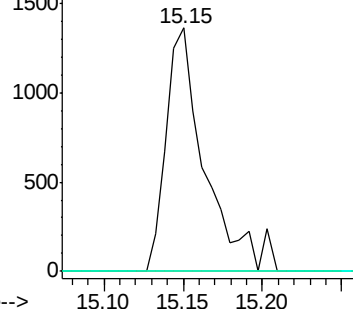
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

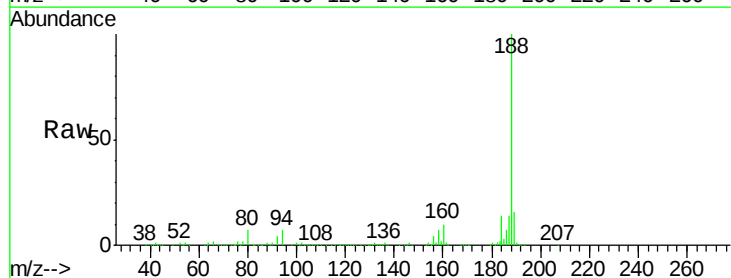
Tgt Ion:188 Resp: 512028

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

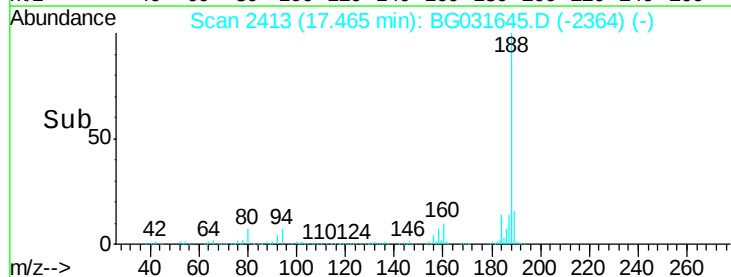
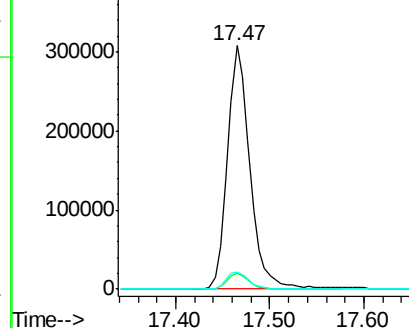
80 7.1 7.7 11.5#

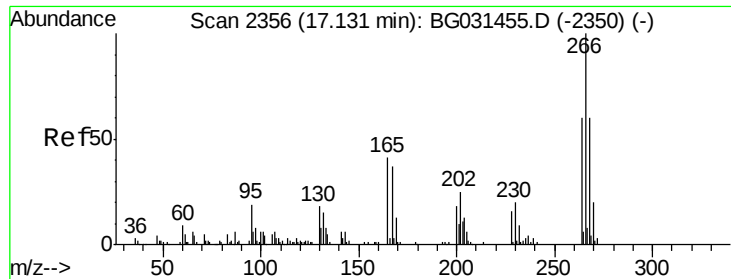


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#69

Pentachlorophenol

Concen: 5.678 ng

RT: 17.14 min Scan# 2357

Delta R.T. 0.01 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

Instrument :

BNA_G

ClientSampleId :

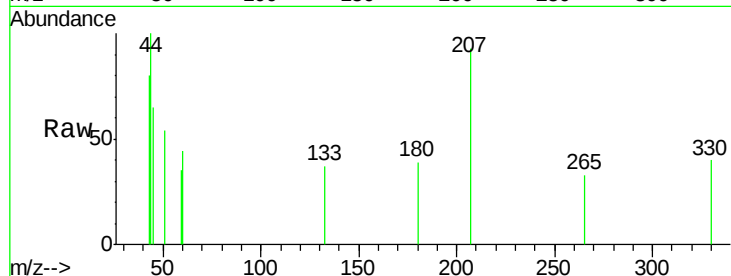
Tot Ion:266 Resp: 54

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

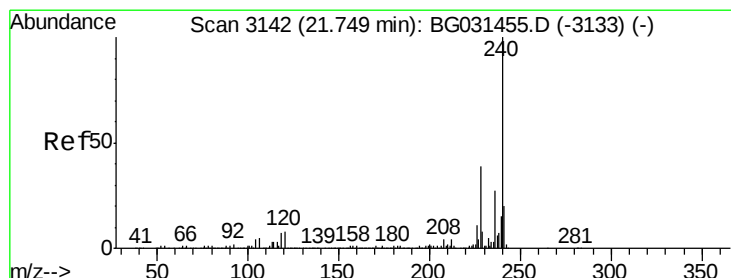
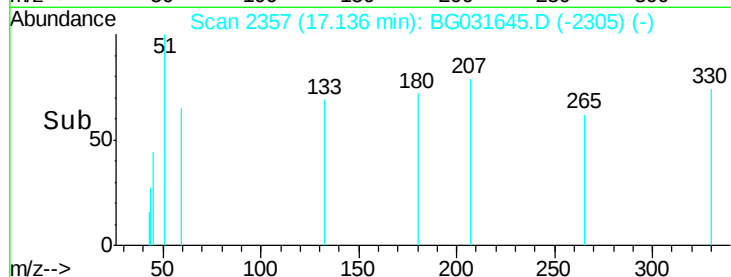
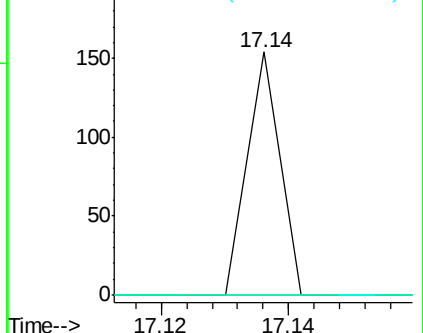
264 0.0 49.6 74.4#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

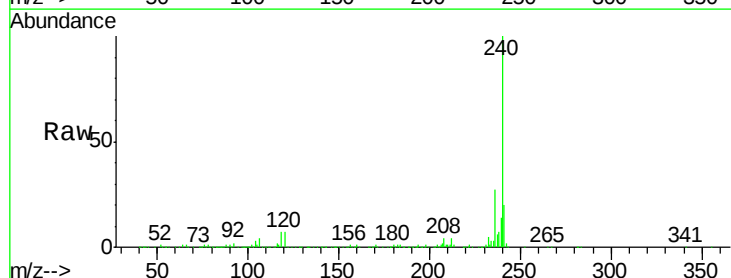
Tgt Ion:240 Resp: 516745

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

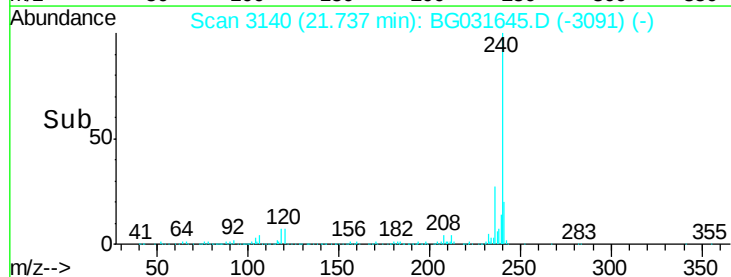
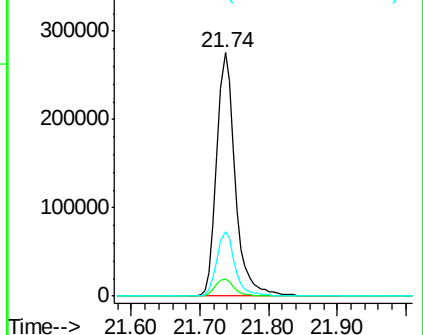
236 26.7 20.9 31.3

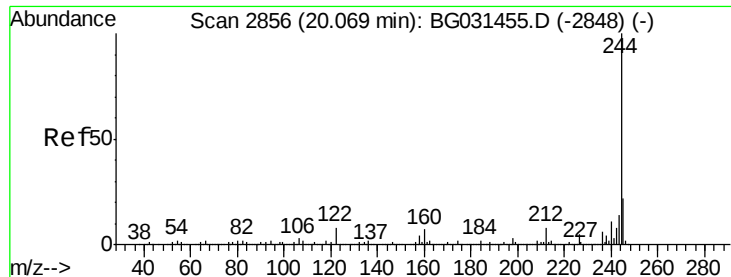


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 104.197 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

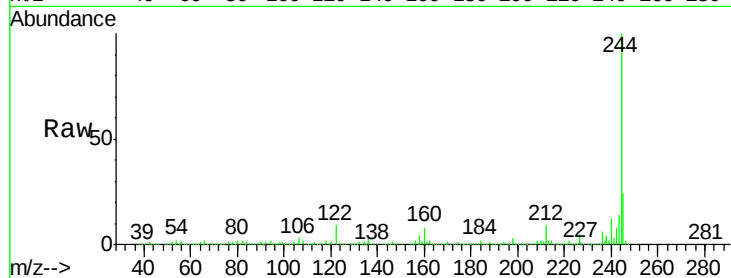
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2366577

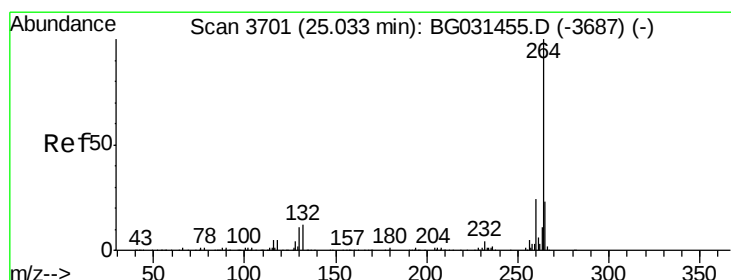
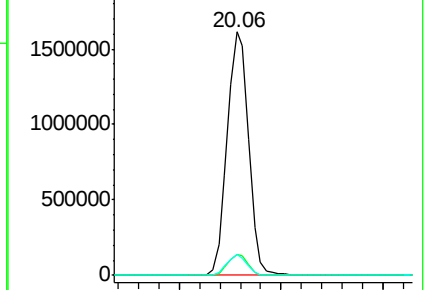
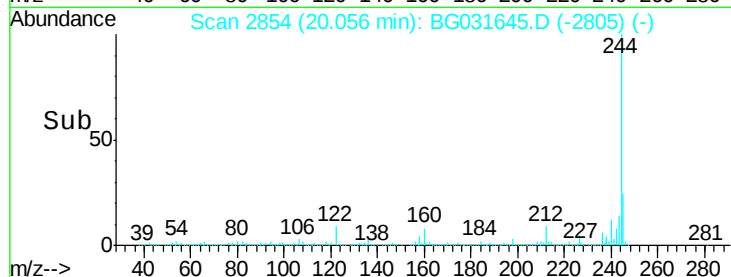
Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.8	8.8
122	8.6	7.0	10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3698

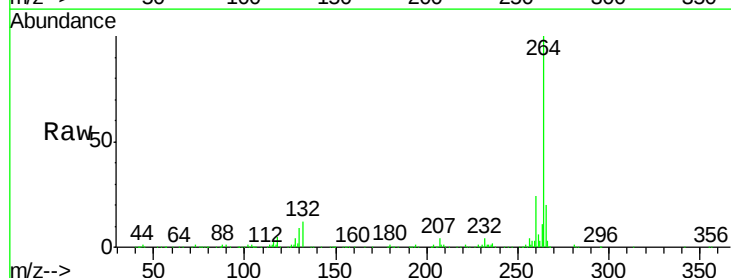
Delta R.T. -0.02 min

Lab File: BG031645.D

Acq: 18 Dec 2017 22:06

Tgt Ion:264 Resp: 444008

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	20.0	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

