

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121817\
 Data File : BG031647.D
 Acq On : 18 Dec 2017 23:21
 Operator : SJ/JU
 Sample : I6680-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 19 07:06:17 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

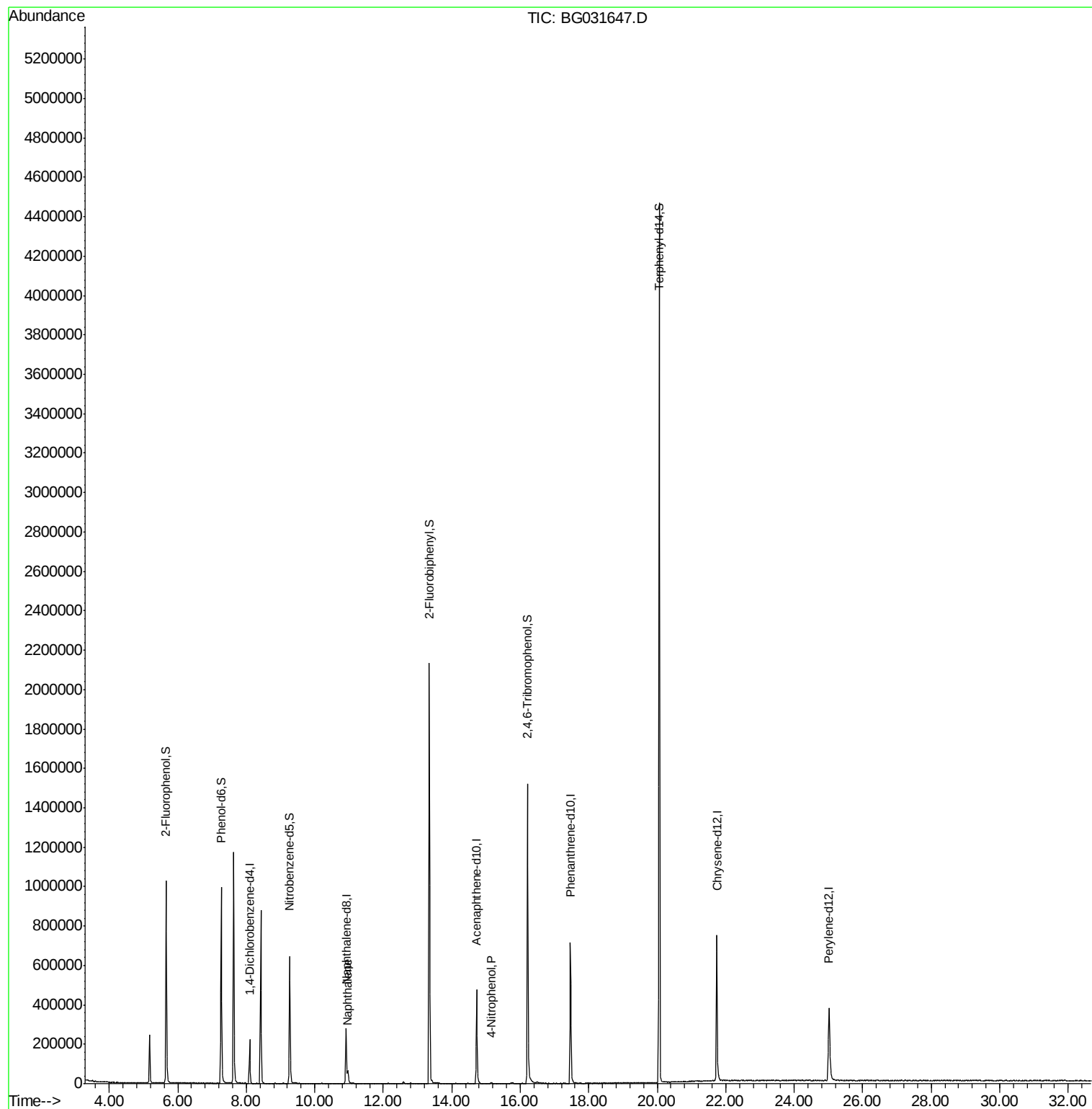
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	74316	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	310540	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	204263	20.00	ng	-0.01
63) Phenanthrene-d10	17.46	188	535166	20.00	ng	-0.01
75) Chrysene-d12	21.74	240	561857	20.00	ng	-0.01
86) Perylene-d12	25.01	264	487848	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	543663	129.67	ng	0.00
7) Phenol-d6	7.27	99	654548	112.46	ng	0.00
23) Nitrobenzene-d5	9.27	82	437592	86.85	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	367720	153.66	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1280570	92.02	ng	0.00
78) Terphenyl-d14	20.06	244	2353225	95.29	ng	-0.01
Target Compounds						
31) Naphthalene	10.97	128	59328	3.889	ng	# 94
55) 4-Nitrophenol	15.15	139	1772	4.223	ng	# 1

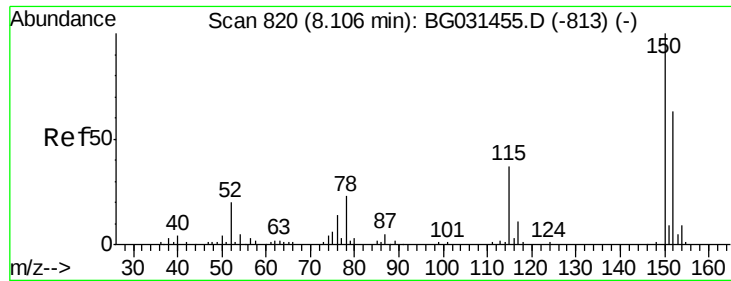
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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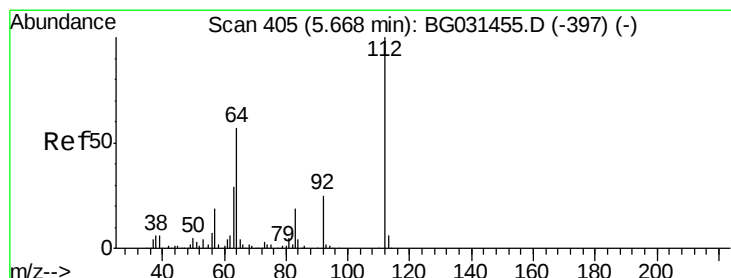
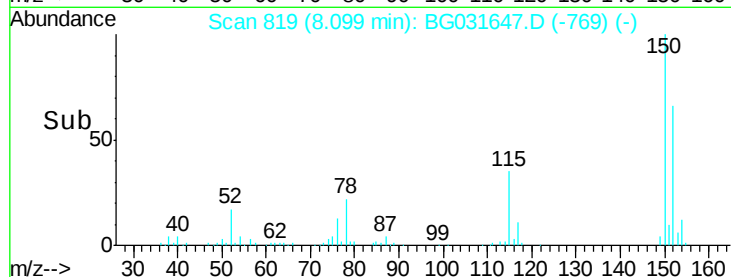
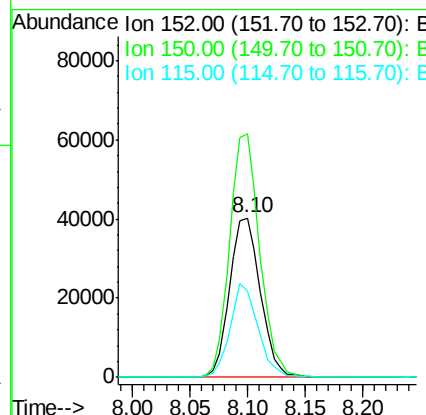
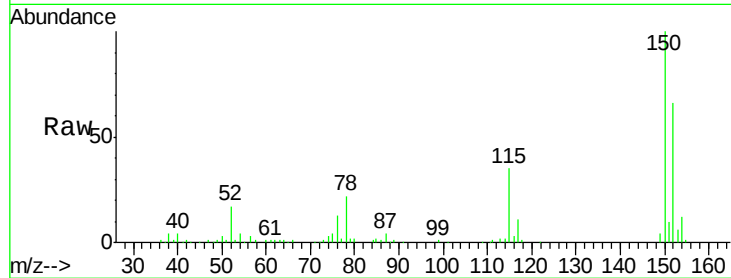




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.10 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BG031647.D
 Acq: 18 Dec 2017 23:21

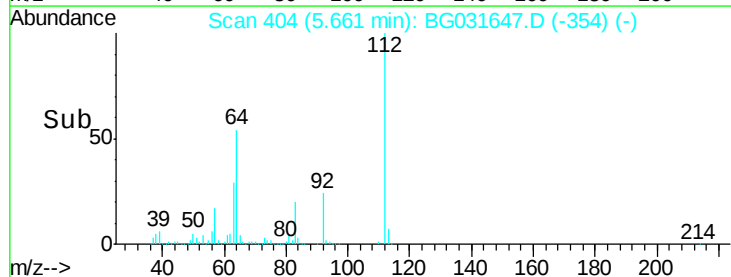
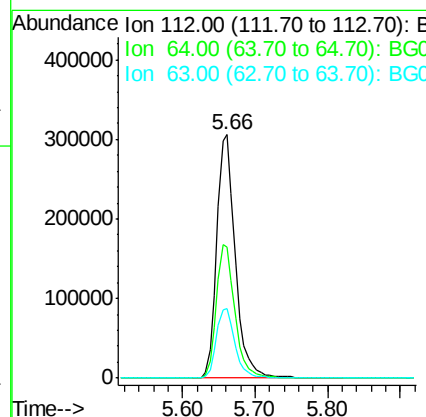
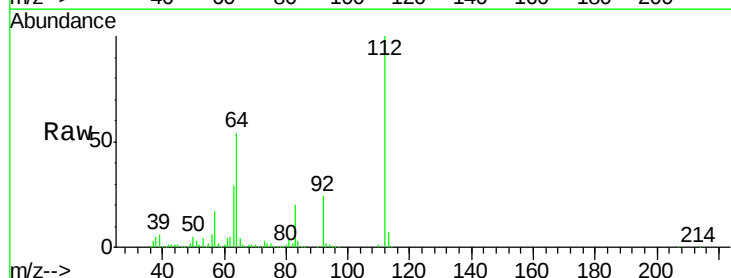
Instrument :
 BNA_G
 ClientSampleId :

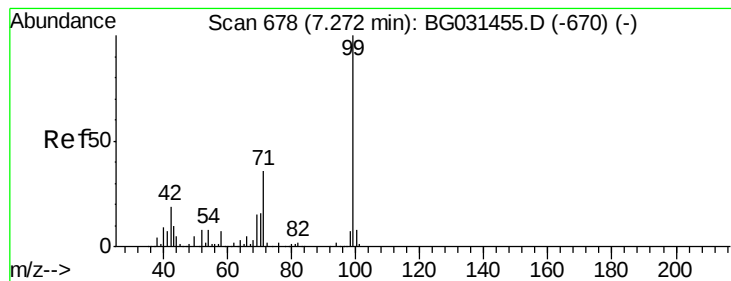
Tot Ion:152 Resp: 74316
 Ion Ratio Lower Upper
 152 100
 150 152.5 126.6 189.8
 115 53.7 53.0 79.4



#5
 2-Fluorophenol
 Concen: 129.670 ng
 RT: 5.66 min Scan# 404
 Delta R.T. -0.01 min
 Lab File: BG031647.D
 Acq: 18 Dec 2017 23:21

Tgt Ion:112 Resp: 543663
 Ion Ratio Lower Upper
 112 100
 64 53.8 56.3 84.5#
 63 28.6 30.1 45.1#





#7

Phenol-d6

Concen: 112.457 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG031647.D

Acq: 18 Dec 2017 23:21

Instrument :

BNA_G

ClientSampleId :

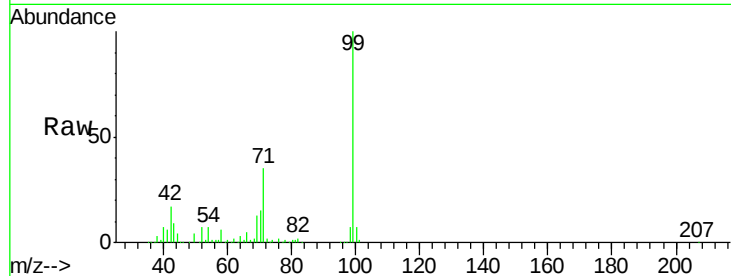
Tot Ion: 99 Resp: 654548

Ion Ratio Lower Upper

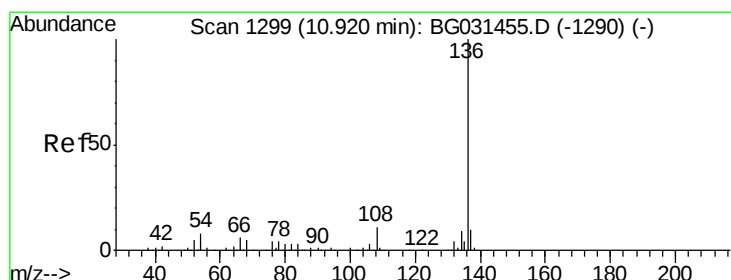
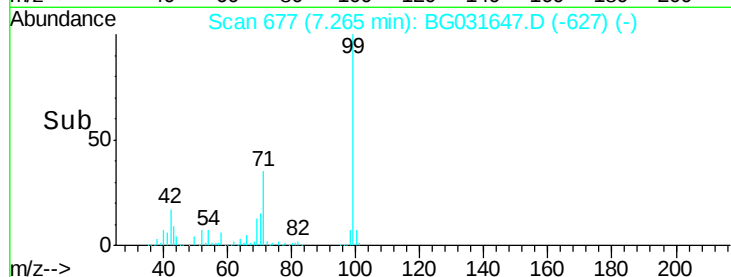
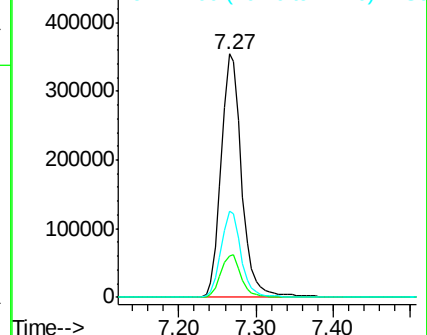
99 100

42 17.2 14.1 21.1

71 35.3 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: BG031647.D

Acq: 18 Dec 2017 23:21

Tgt Ion: 136 Resp: 310540

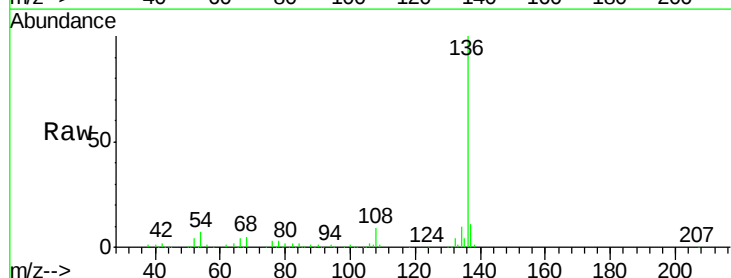
Ion Ratio Lower Upper

136 100

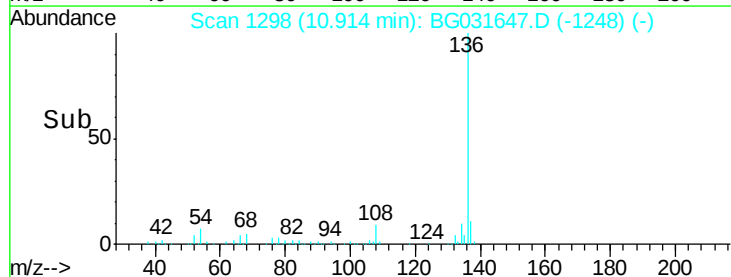
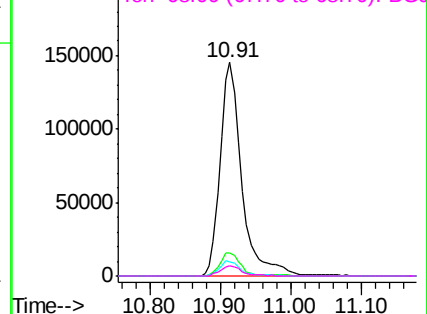
137 10.7 9.2 13.8

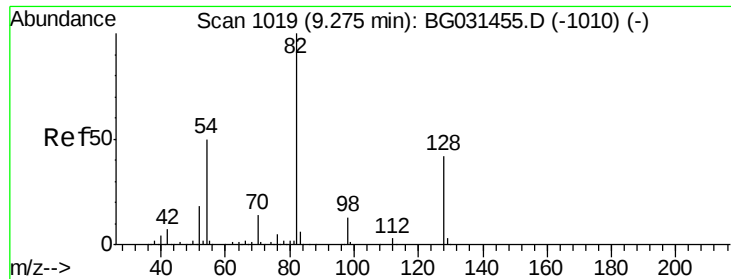
54 6.9 10.3 15.5#

68 4.9 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

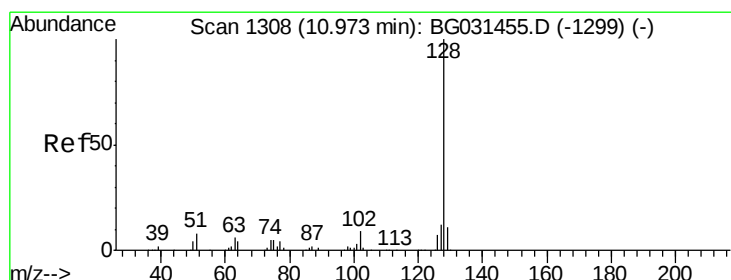
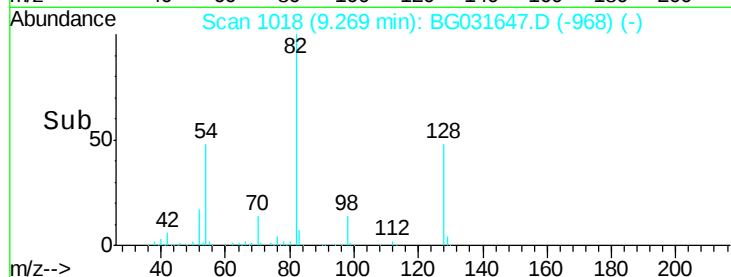
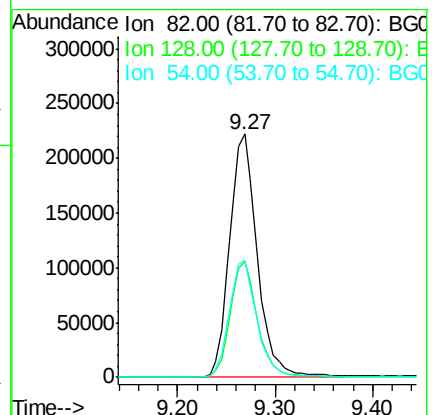
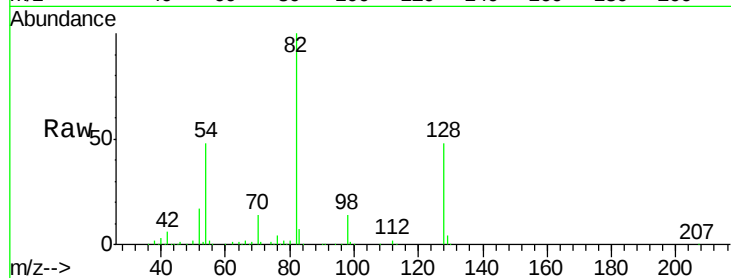




#23
Nitrobenzene-d5
Concen: 86.854 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

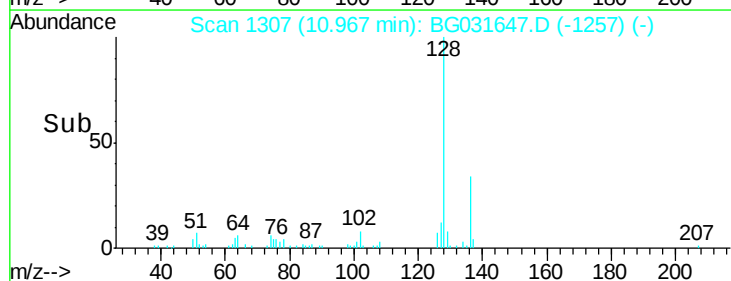
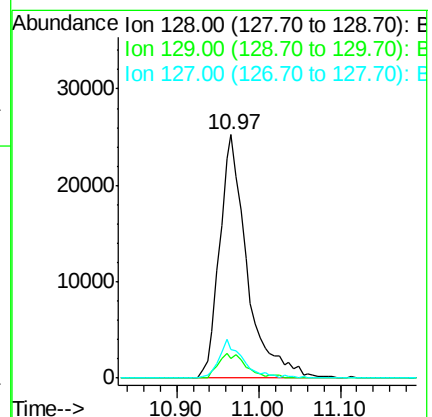
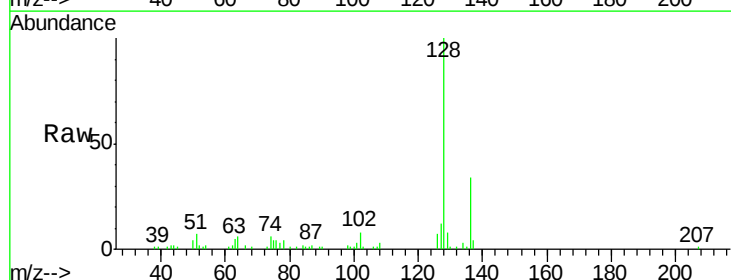
Instrument :
BNA_G
ClientSampled :

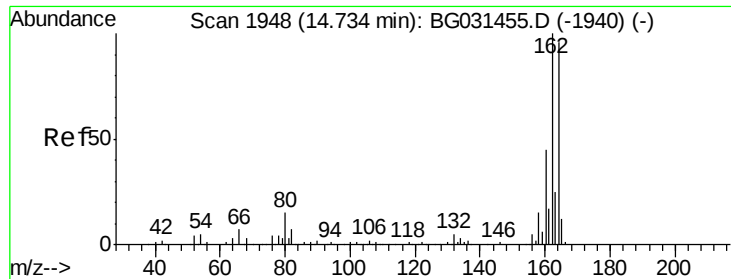
Tot Ion	82	Resp	437592
Ion Ratio	100	Lower	Upper
128	47.7	29.7	44.5#
54	48.0	43.1	64.7



#31
Naphthalene
Concen: 3.889 ng
RT: 10.97 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion	128	Resp	59328
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	8.2	8.6	12.8#
127	11.9	11.6	17.4

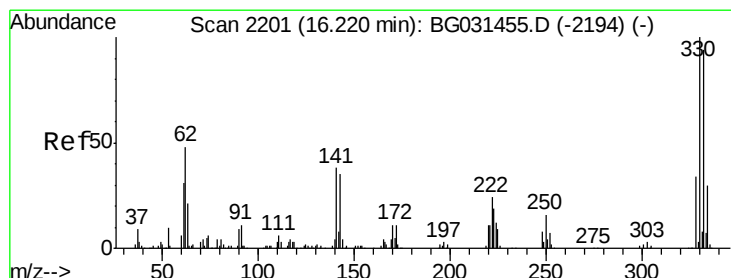
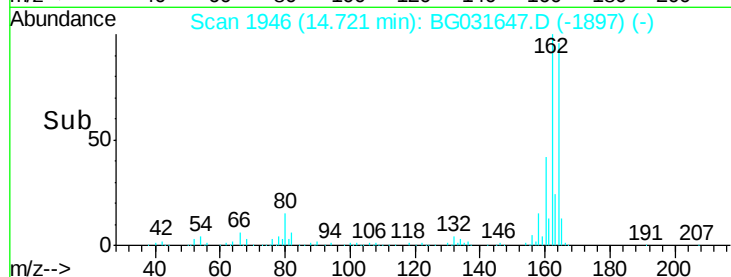
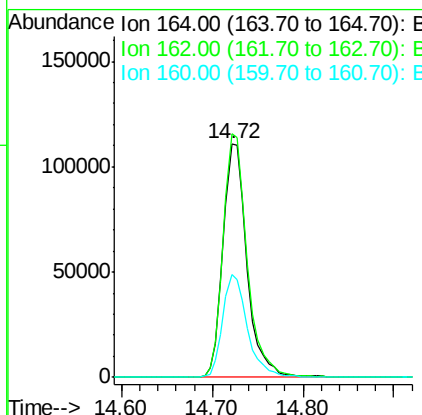
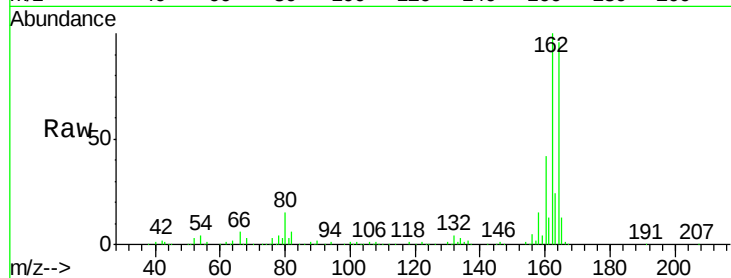




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: BG031647.D
 Acq: 18 Dec 2017 23:21

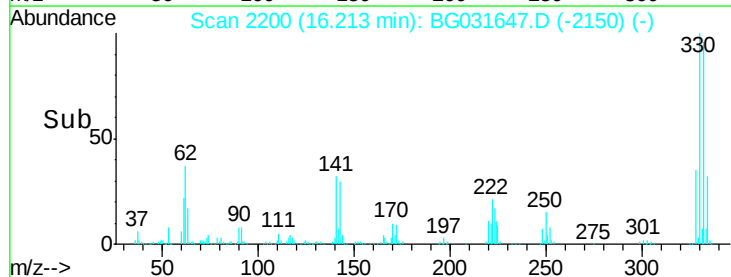
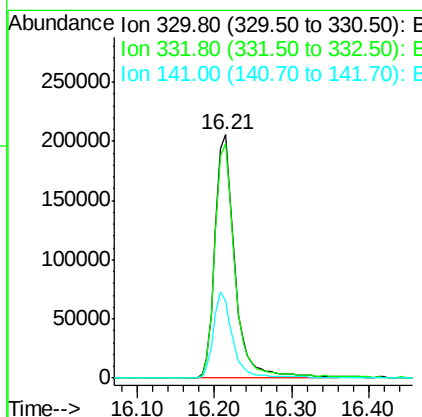
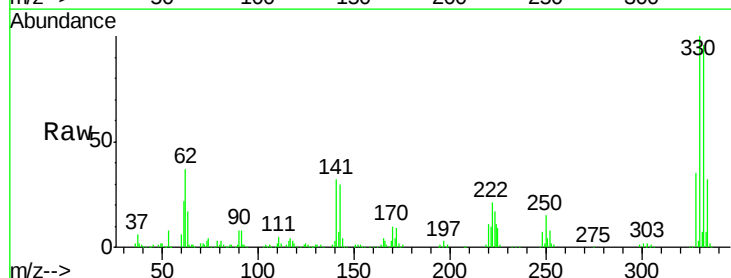
Instrument :
 BNA_G
 ClientSampleId :

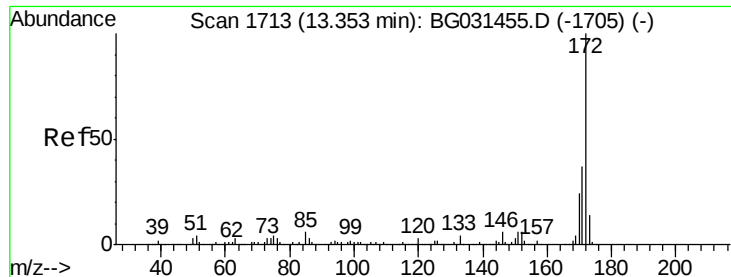
Tot Ion:164 Resp: 204263
 Ion Ratio Lower Upper
 164 100
 162 104.1 78.8 118.2
 160 44.0 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 153.663 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG031647.D
 Acq: 18 Dec 2017 23:21

Tgt Ion:330 Resp: 367720
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 33.5 25.2 37.8

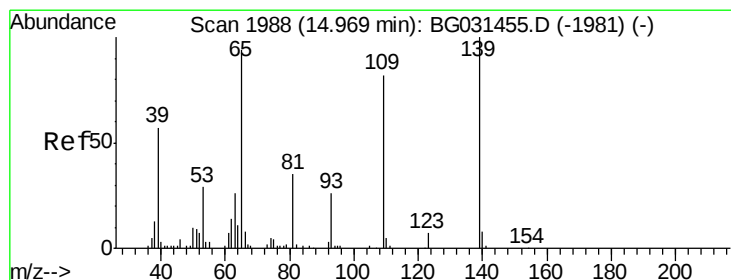
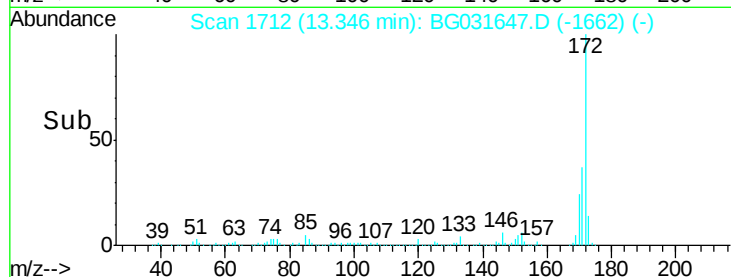
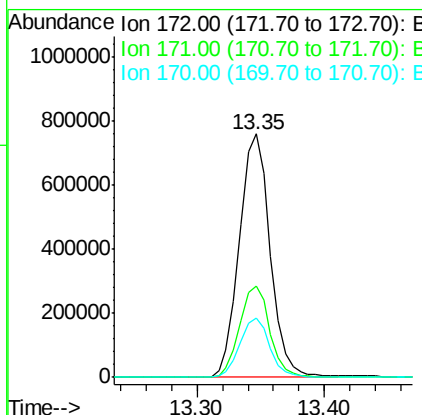
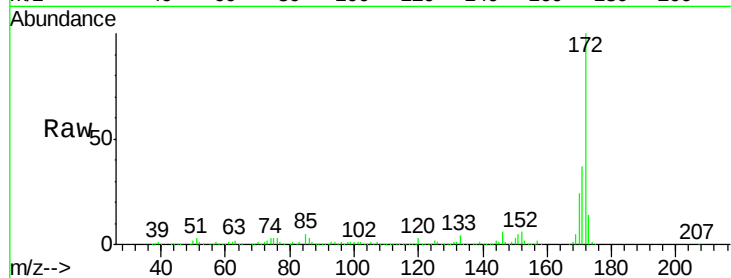




#44
2-Fluorobiphenyl
Concen: 92.024 ng
RT: 13.35 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

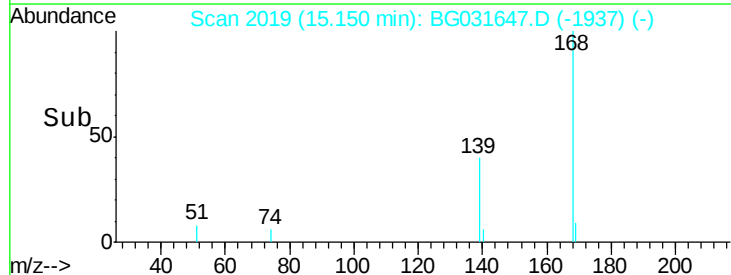
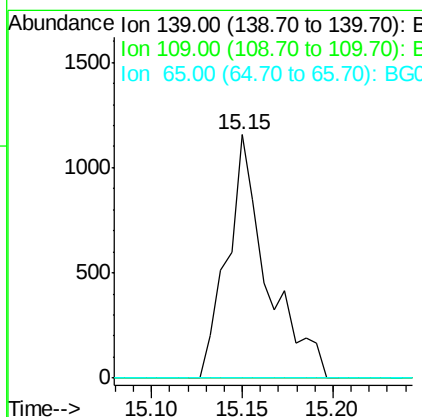
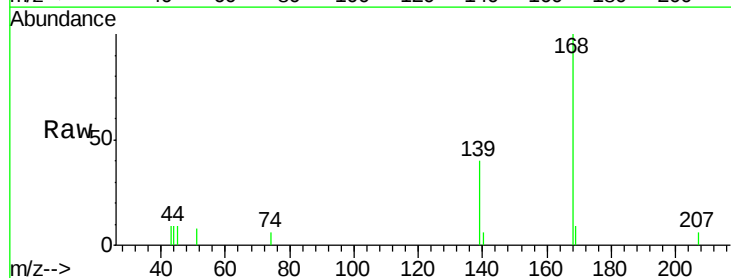
Instrument :
BNA_G
ClientSampleId :

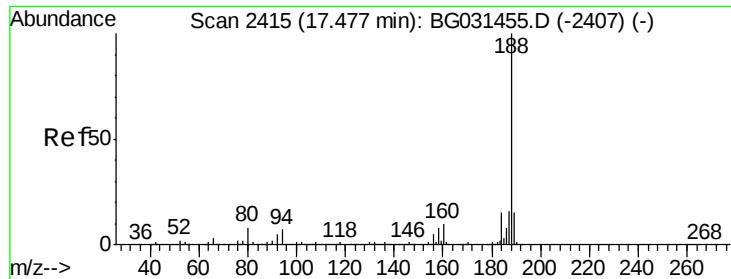
Tot Ion:172 Resp: 1280570
Ion Ratio Lower Upper
172 100
171 37.4 30.0 45.0
170 24.4 19.5 29.3



#55
4-Nitrophenol
Concen: 4.223 ng
RT: 15.15 min Scan# 2019
Delta R.T. 0.18 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion:139 Resp: 1772
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

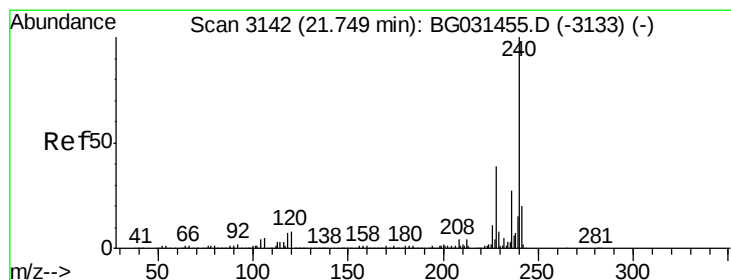
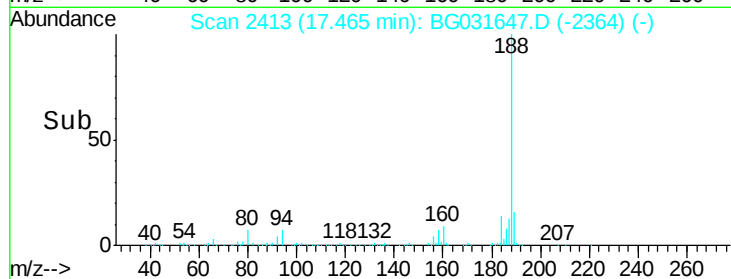
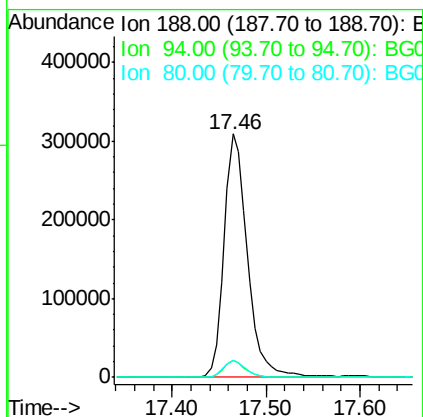
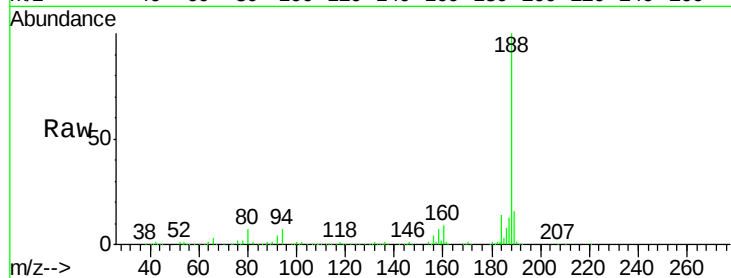




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

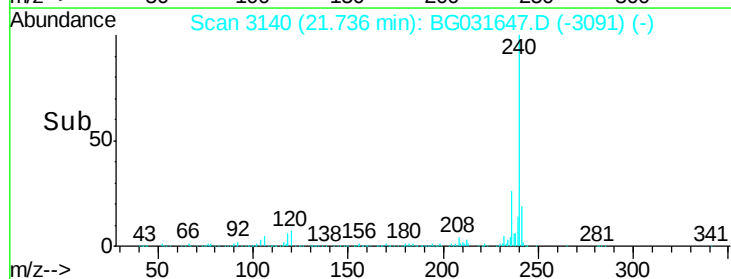
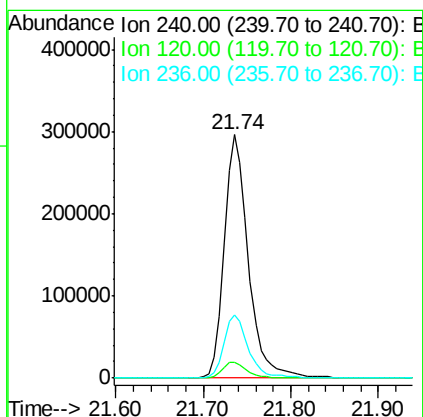
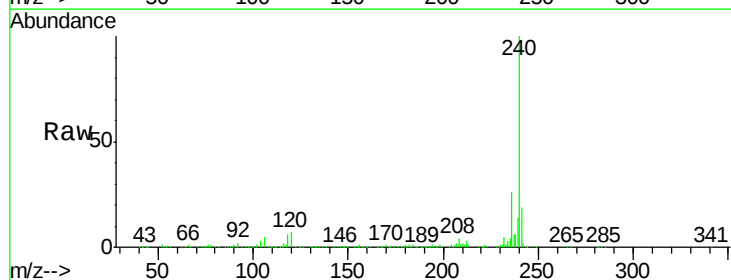
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BNA_G
ClientSampleId :

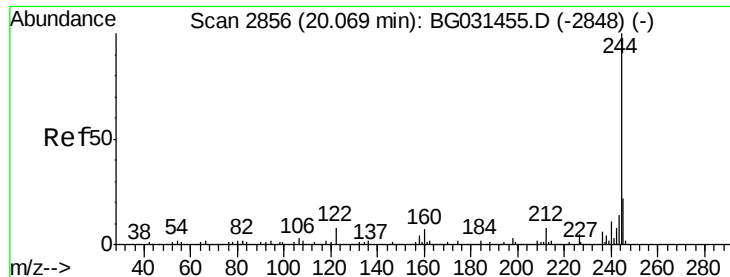
Tot Ion:188 Resp: 535166
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 7.0 7.7 11.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG031647.D
Acq: 18 Dec 2017 23:21

Tgt Ion:240 Resp: 561857
Ion Ratio Lower Upper
240 100
120 6.7 6.8 10.2#
236 25.9 20.9 31.3





#78

Terphenyl-d14

Concen: 95.291 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031647.D

Acq: 18 Dec 2017 23:21

Instrument :

BNA_G

ClientSampleId :

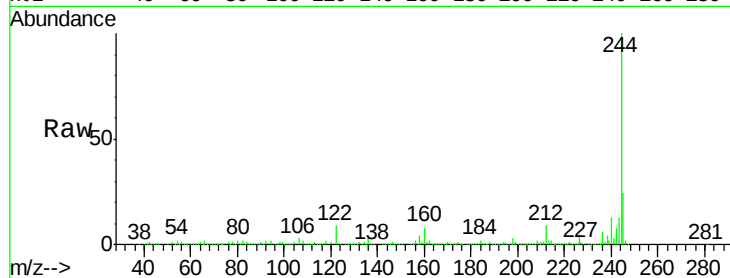
Tot Ion:244 Resp: 2353225

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8

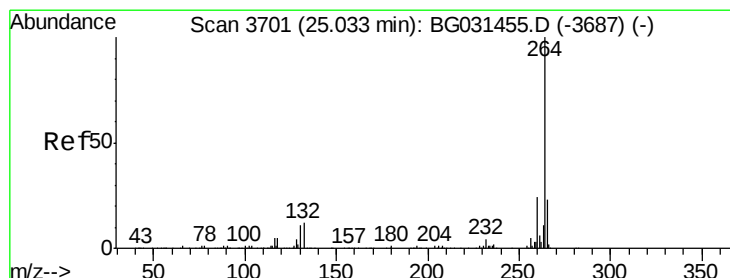
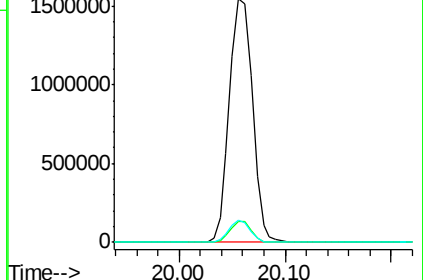
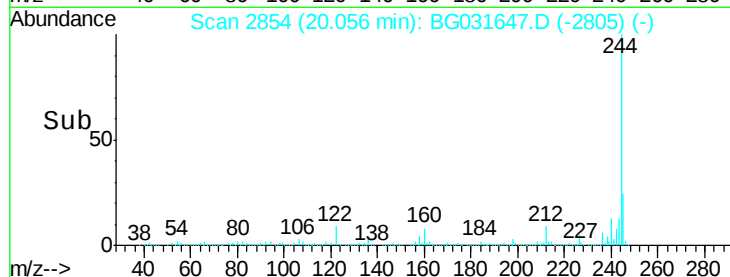
122 8.9 7.0 10.4



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: 25.01 min Scan# 3698

Delta R.T. -0.02 min

Lab File: BG031647.D

Acq: 18 Dec 2017 23:21

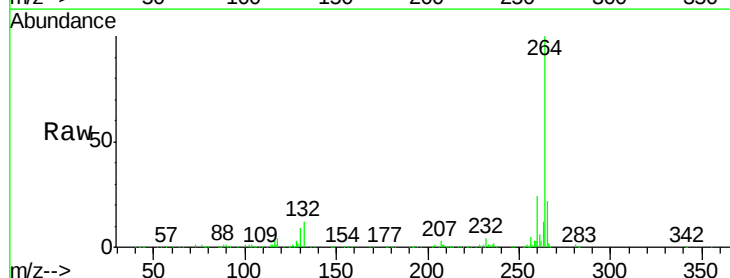
Tgt Ion:264 Resp: 487848

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 21.6 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

