

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121817\
 Data File : BG031644.D
 Acq On : 18 Dec 2017 21:28
 Operator : SJ/JU
 Sample : I6680-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 19 07:05:12 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

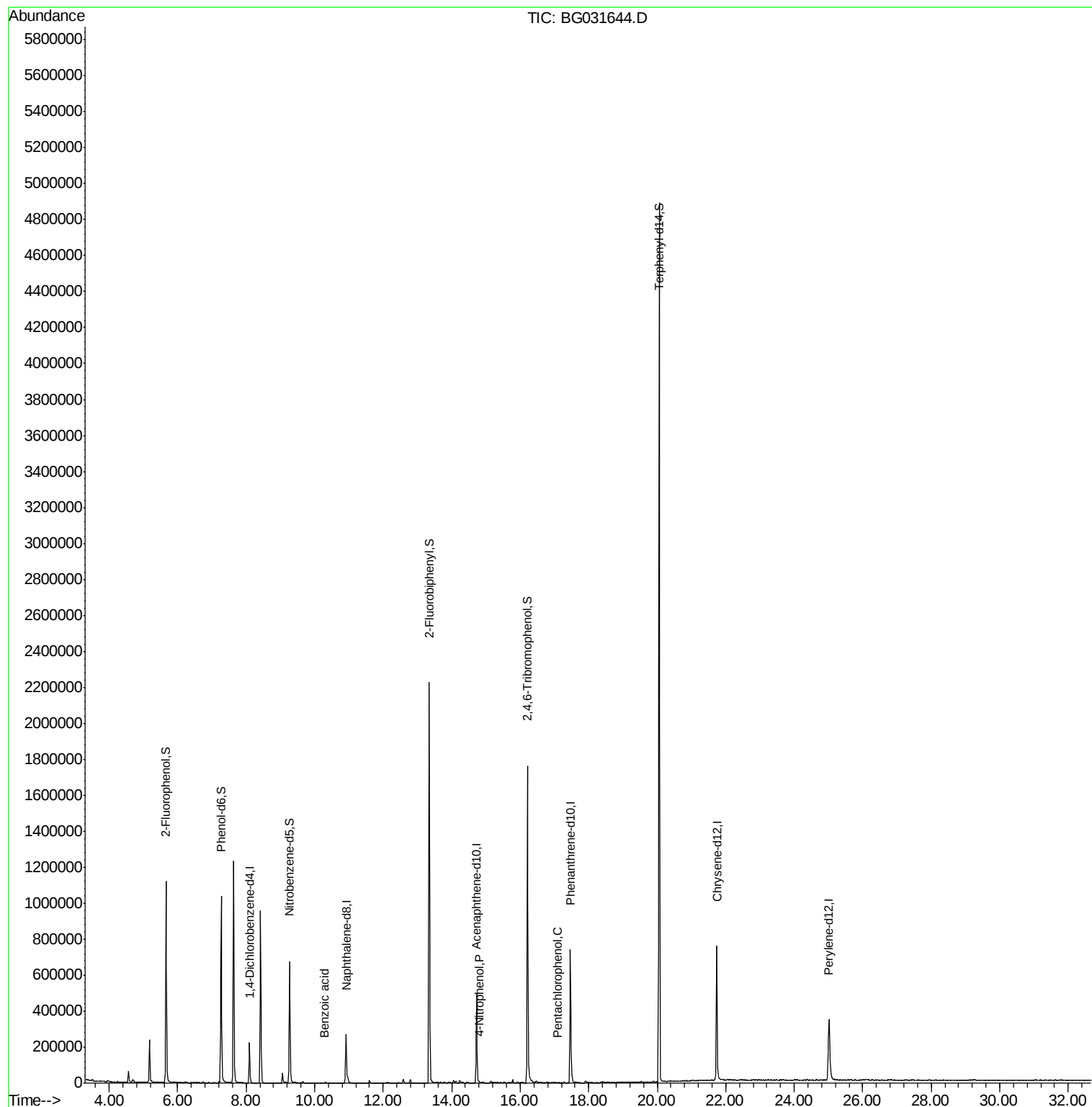
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	69907	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	292844	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	198390	20.00	ng	-0.01
63) Phenanthrene-d10	17.47	188	513609	20.00	ng	-0.01
75) Chrysene-d12	21.74	240	539755	20.00	ng	-0.01
86) Perylene-d12	25.02	264	441205	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	565251	143.32	ng	0.00
7) Phenol-d6	7.27	99	681482	124.47	ng	0.00
23) Nitrobenzene-d5	9.26	82	468850	98.68	ng	-0.01
41) 2,4,6-Tribromophenol	16.21	330	393217	169.18	ng	-0.01
44) 2-Fluorobiphenyl	13.35	172	1359642	100.60	ng	0.00
78) Terphenyl-d14	20.06	244	2396635	101.02	ng	-0.01
Target Compounds						
32) Benzoic acid	10.28	122	58	6.981	ng	# 1
55) 4-Nitrophenol	14.79	139	67	3.569	ng	# 1
69) Pentachlorophenol	17.10	266	55	5.679	ng	# 19

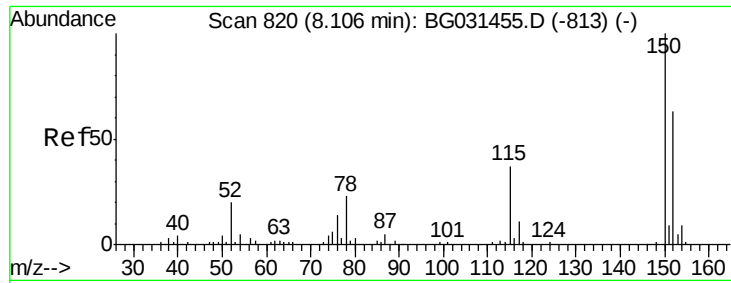
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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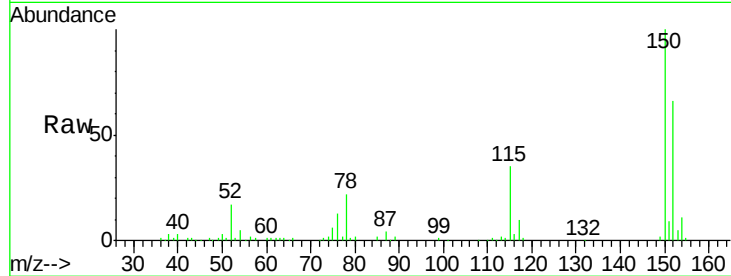


#1

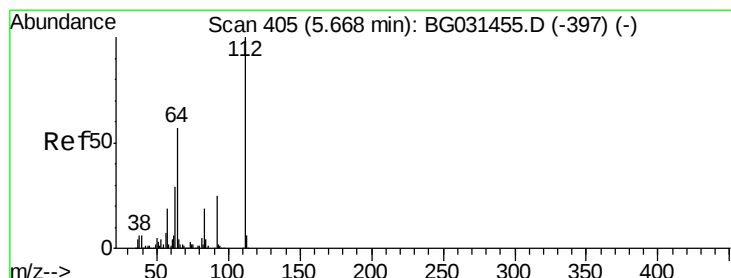
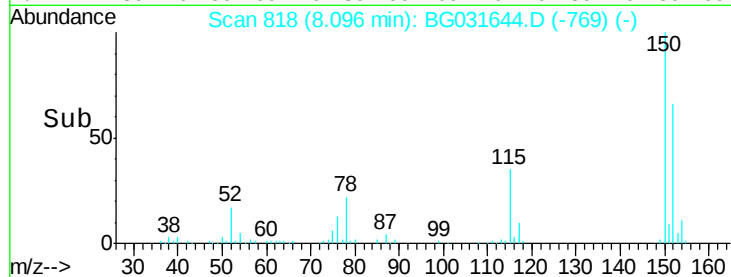
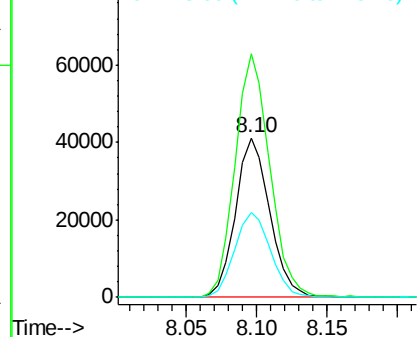
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG031644.D
Acq: 18 Dec 2017 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	126.6	189.8
115	53.5	53.0	79.4



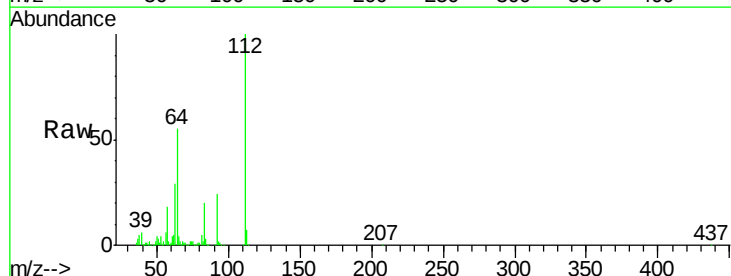
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



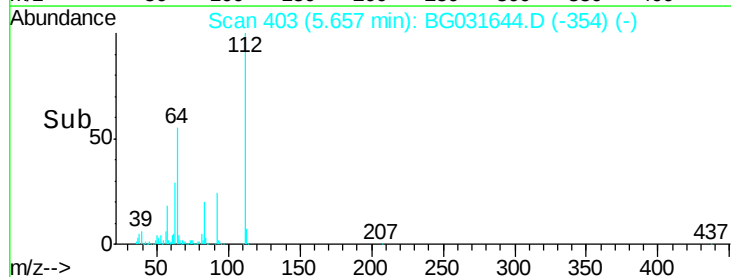
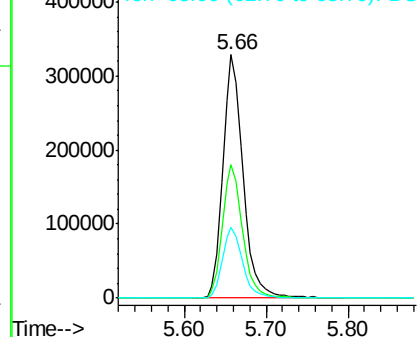
#5

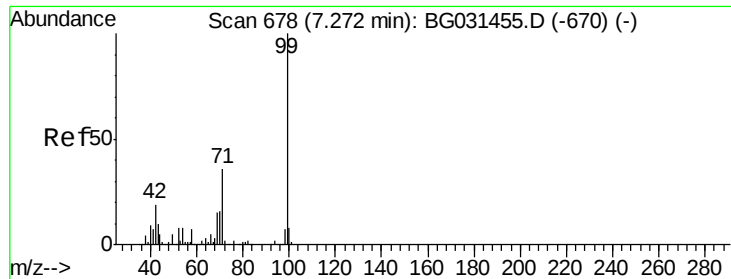
2-Fluorophenol
Concen: 143.322 ng
RT: 5.66 min Scan# 403
Delta R.T. -0.01 min
Lab File: BG031644.D
Acq: 18 Dec 2017 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	56.3	84.5#
63	29.3	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: 124.469 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.00 min

Lab File: BG031644.D

Acq: 18 Dec 2017 21:28

Instrument :

BNA_G

ClientSampleId :

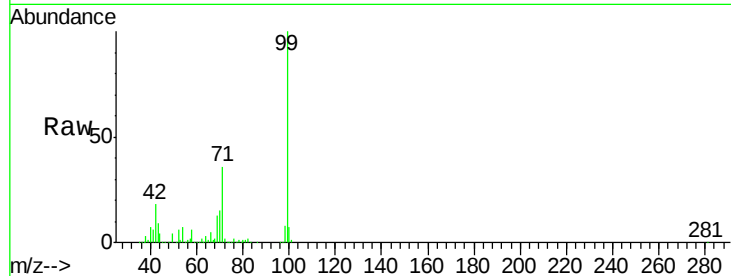
Tot Ion: 99 Resp: 681482

Ion Ratio Lower Upper

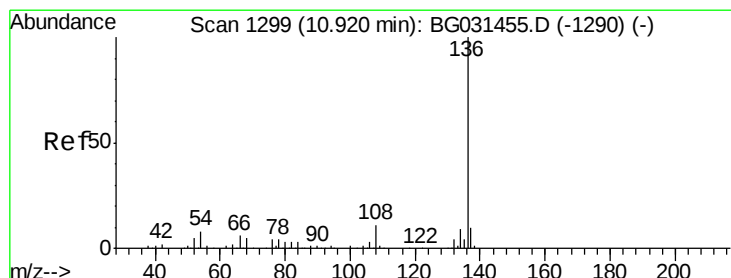
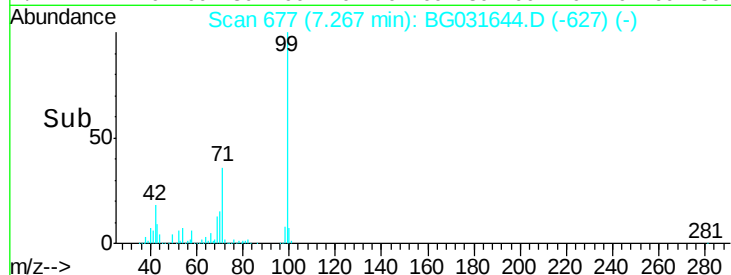
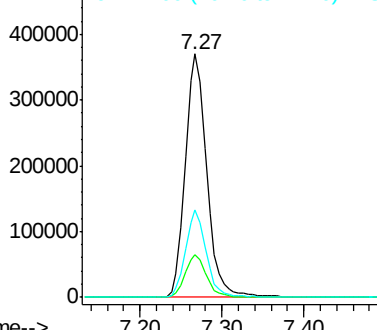
99 100

42 17.7 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: 10.92 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG031644.D

Acq: 18 Dec 2017 21:28

Tgt Ion: 136 Resp: 292844

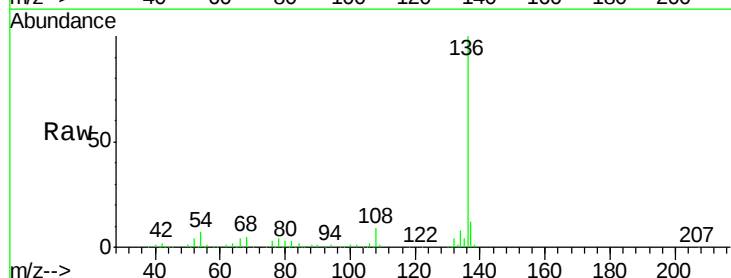
Ion Ratio Lower Upper

136 100

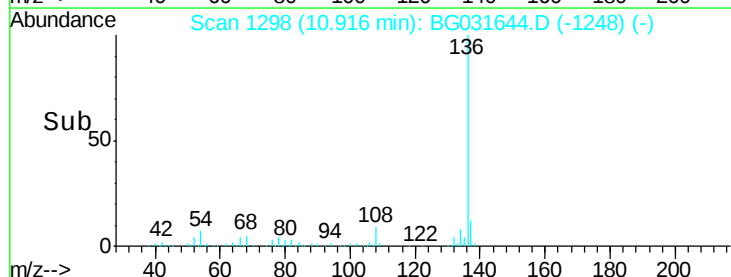
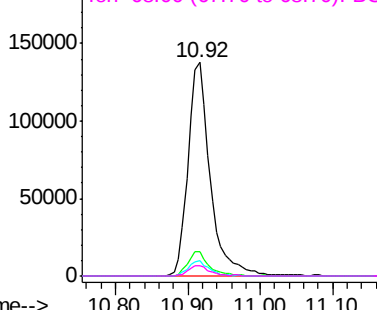
137 11.5 9.2 13.8

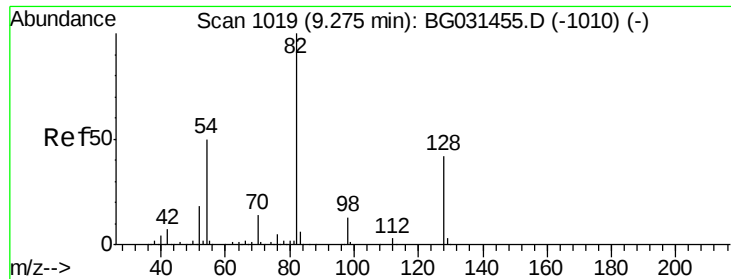
54 6.9 10.3 15.5#

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

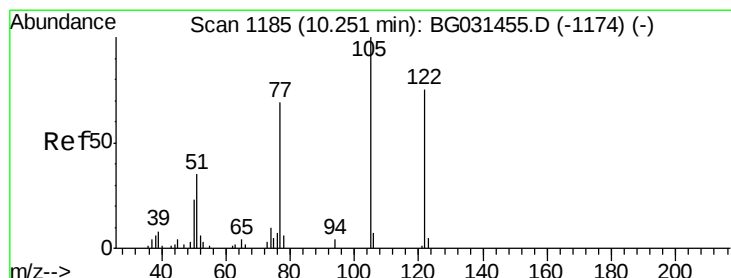
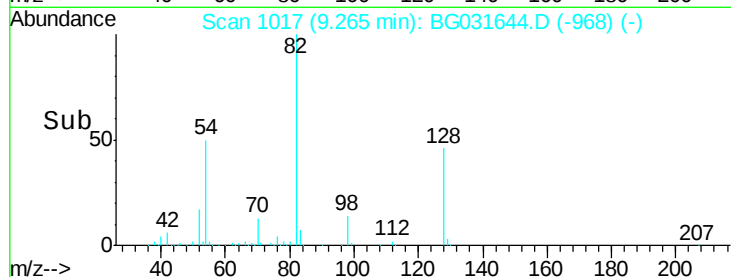
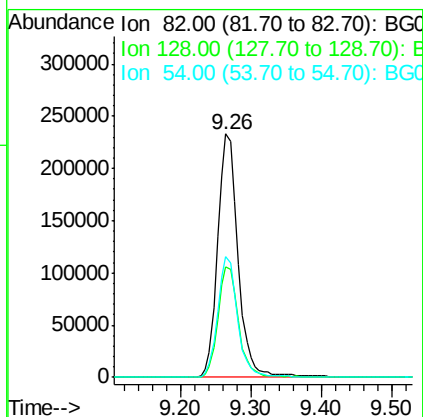
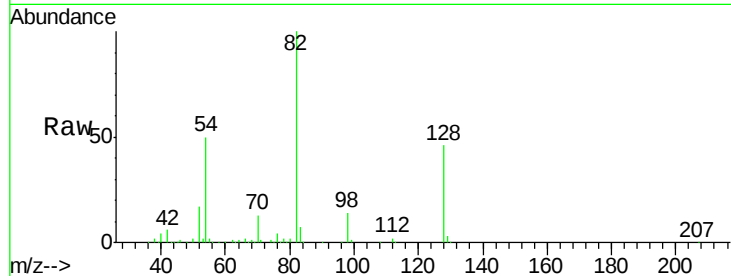




#23
 Nitrobenzene-d5
 Concen: 98.682 ng
 RT: 9.26 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BG031644.D
 Acq: 18 Dec 2017 21:28

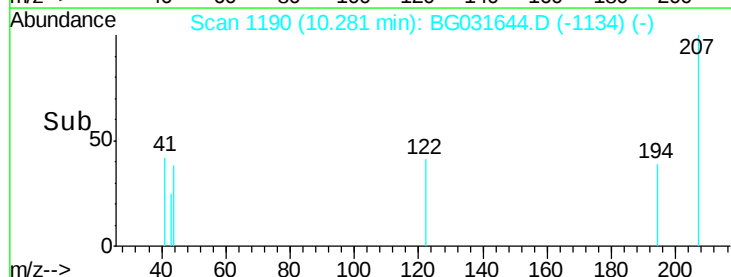
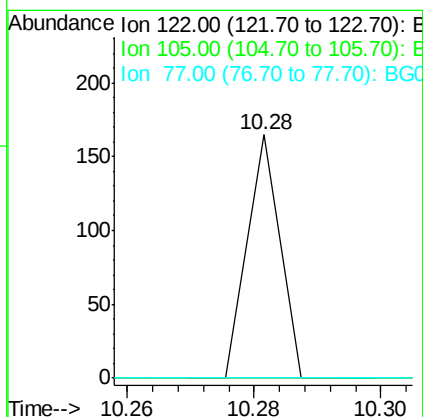
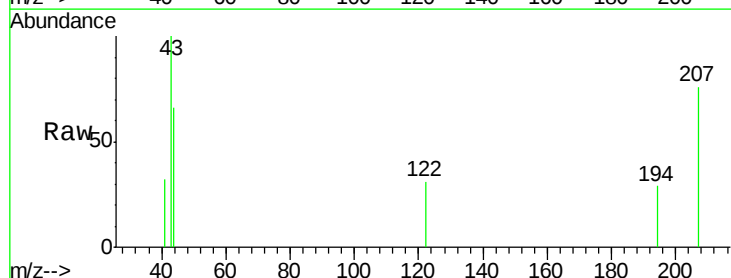
Instrument :
 BNA_G
 ClientSampleId :

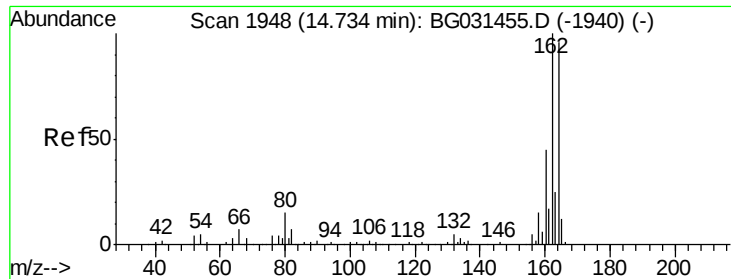
Tot Ion: 82 Resp: 468850
 Ion Ratio Lower Upper
 82 100
 128 45.6 29.7 44.5#
 54 49.6 43.1 64.7



#32
 Benzoic acid
 Concen: 6.981 ng
 RT: 10.28 min Scan# 1190
 Delta R.T. 0.03 min
 Lab File: BG031644.D
 Acq: 18 Dec 2017 21:28

Tgt Ion:122 Resp: 58
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 0.0 85.7 125.7#

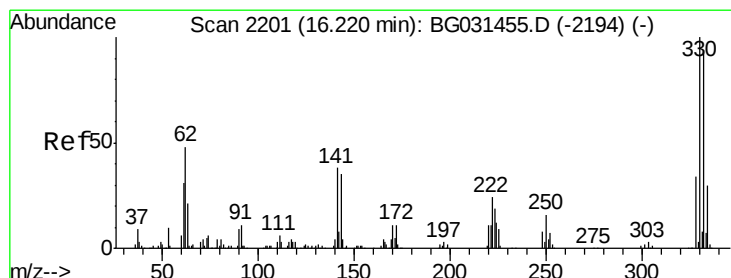
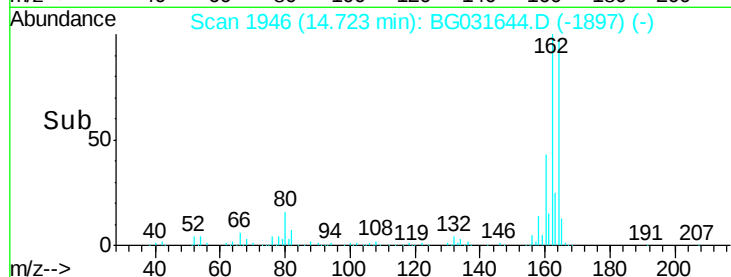
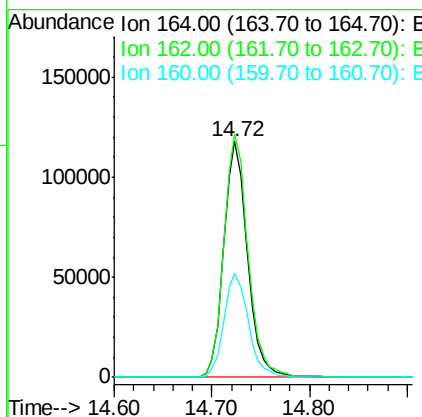
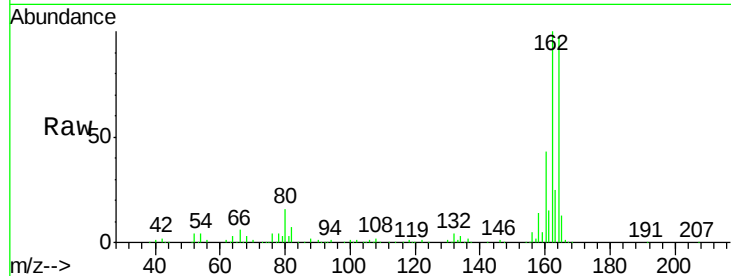




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG031644.D
Acq: 18 Dec 2017 21:28

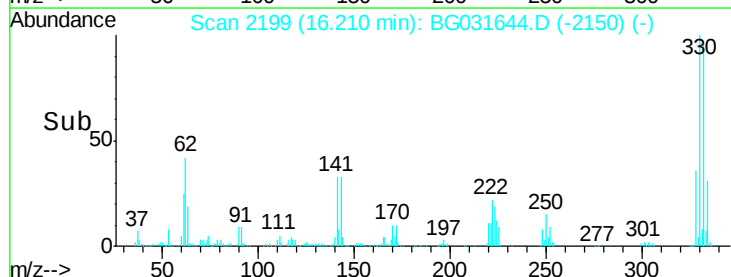
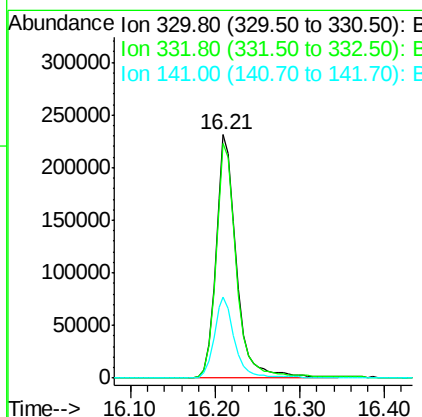
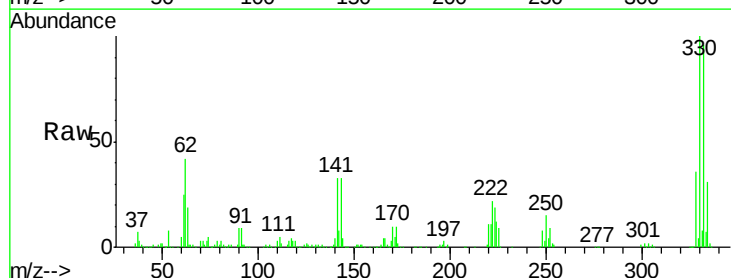
Instrument :
BNA_G
ClientSampleId :

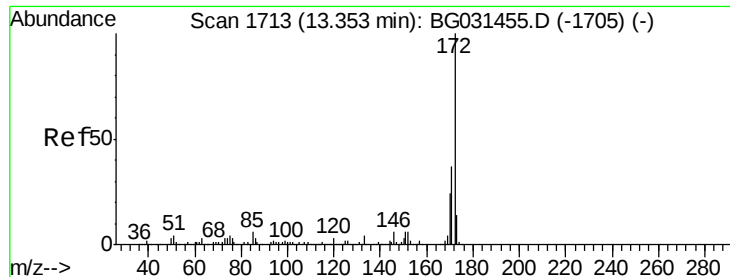
Tot Ion:164 Resp: 198390
Ion Ratio Lower Upper
164 100
162 103.4 78.8 118.2
160 44.4 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 169.182 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BG031644.D
Acq: 18 Dec 2017 21:28

Tgt Ion:330 Resp: 393217
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 33.9 25.2 37.8



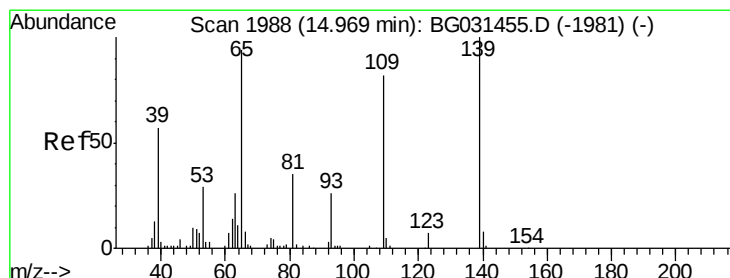
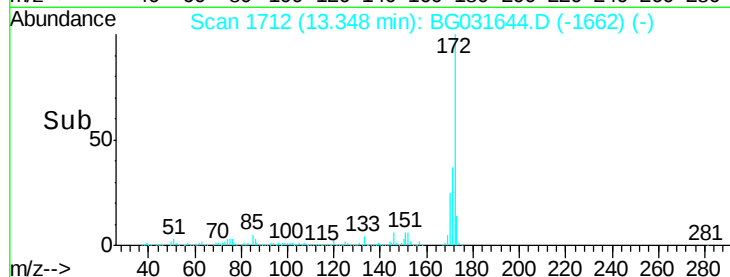
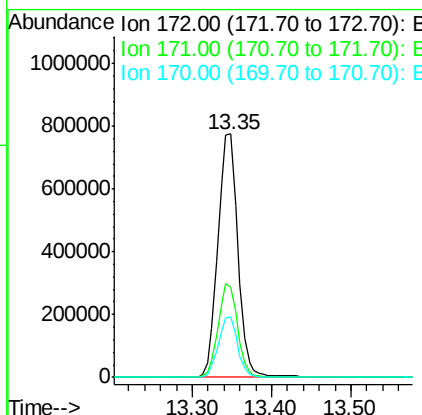
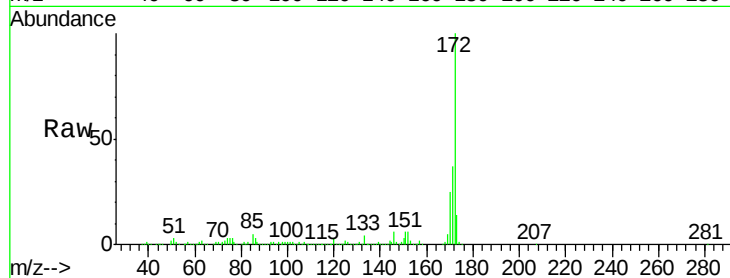


#44
 2-Fluorobiphenyl
 Concen: 100.599 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BG031644.D
 Acq: 18 Dec 2017 21:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1359642

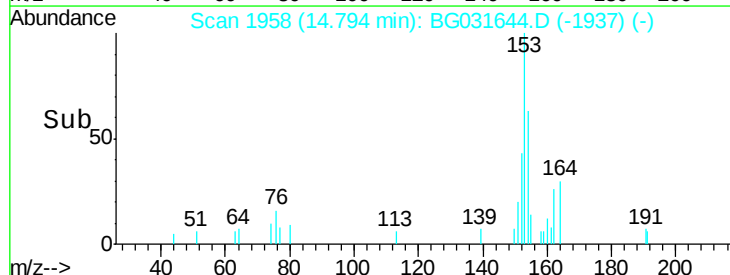
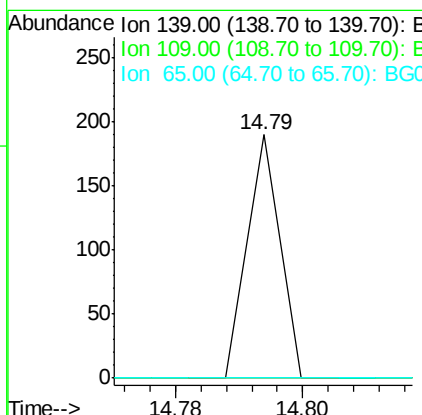
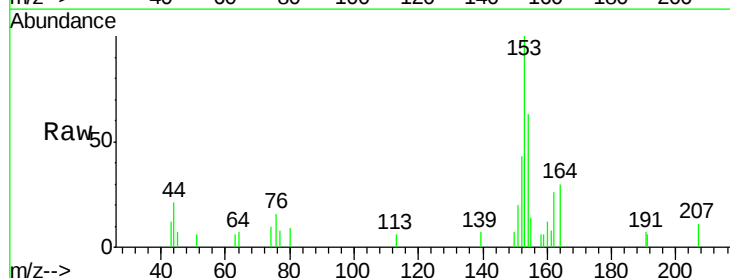
Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	24.9	19.5	29.3

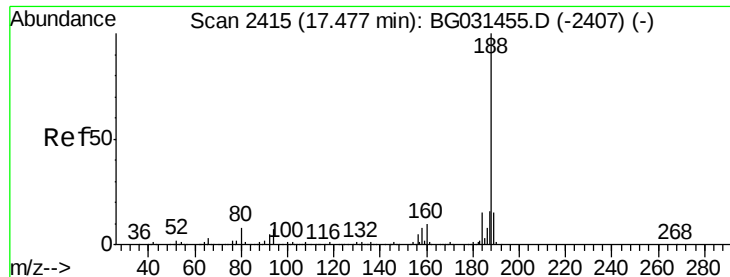


#55
 4-Nitrophenol
 Concen: 3.569 ng
 RT: 14.79 min Scan# 1958
 Delta R.T. -0.17 min
 Lab File: BG031644.D
 Acq: 18 Dec 2017 21:28

Tgt Ion:139 Resp: 67

Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

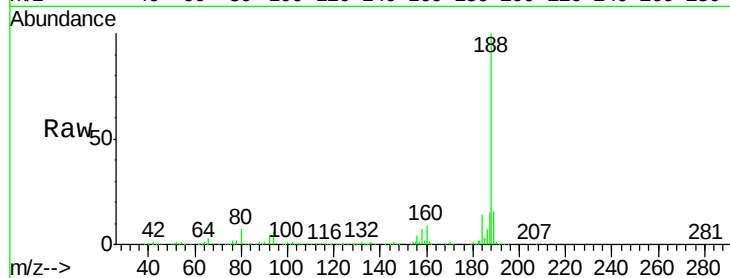




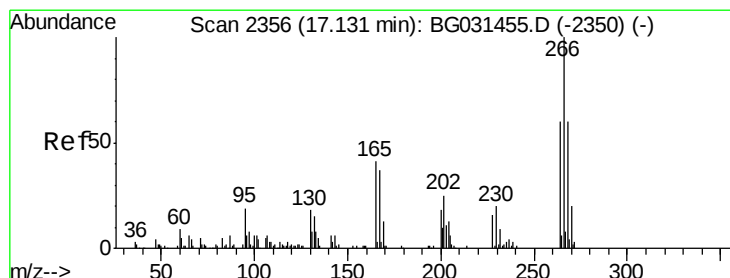
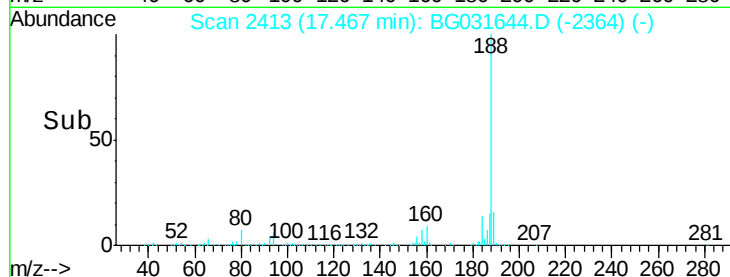
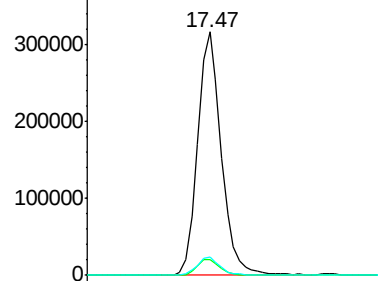
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG031644.D
Acq: 18 Dec 2017 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 513609
Ion Ratio Lower Upper
188 100
94 6.3 6.9 10.3#
80 7.4 7.7 11.5#

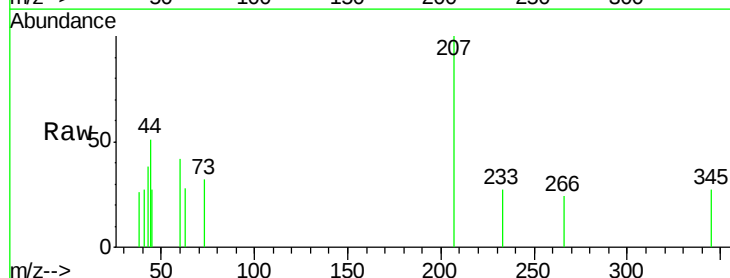


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

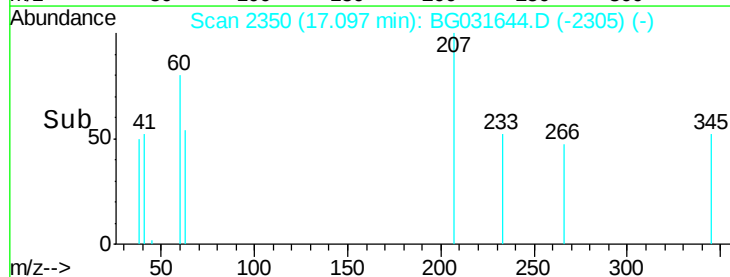
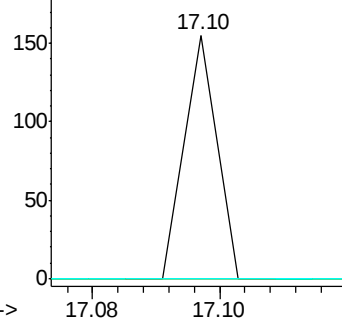


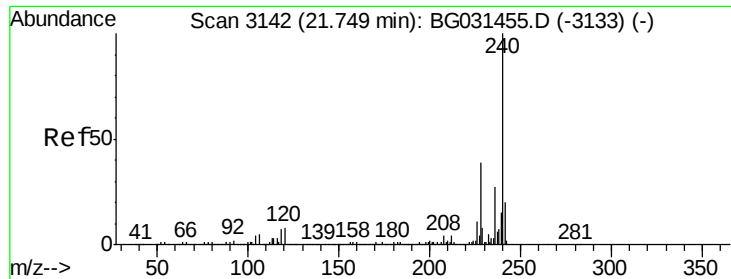
#69
Pentachlorophenol
Concen: 5.679 ng
RT: 17.10 min Scan# 2350
Delta R.T. -0.03 min
Lab File: BG031644.D
Acq: 18 Dec 2017 21:28

Tgt Ion:266 Resp: 55
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: BG031644.D

Acq: 18 Dec 2017 21:28

Instrument :

BNA_G

ClientSampleId :

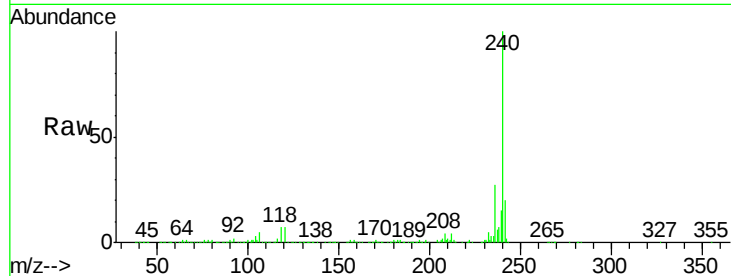
Tot Ion:240 Resp: 539755

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2#

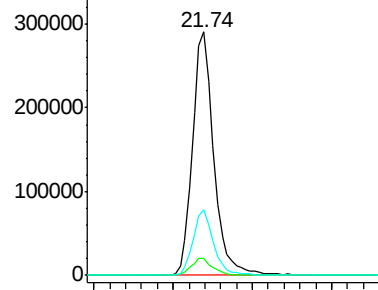
236 27.1 20.9 31.3



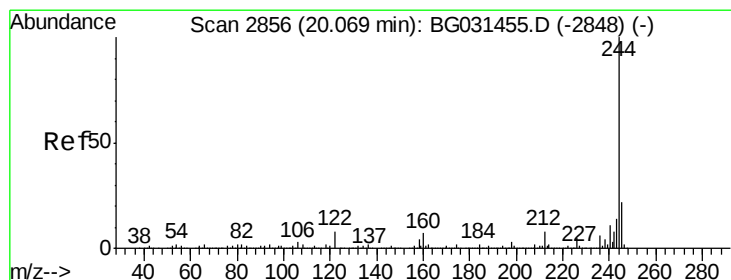
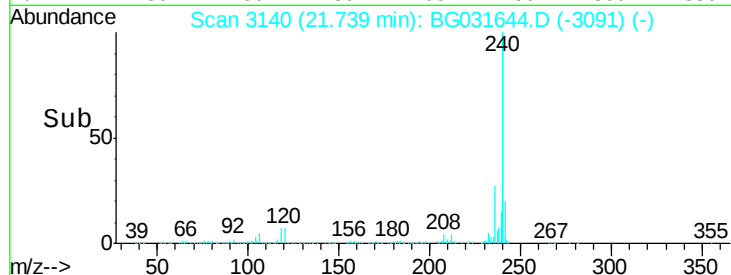
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.60 21.70 21.80 21.90



#78

Terphenyl-d14

Concen: 101.022 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031644.D

Acq: 18 Dec 2017 21:28

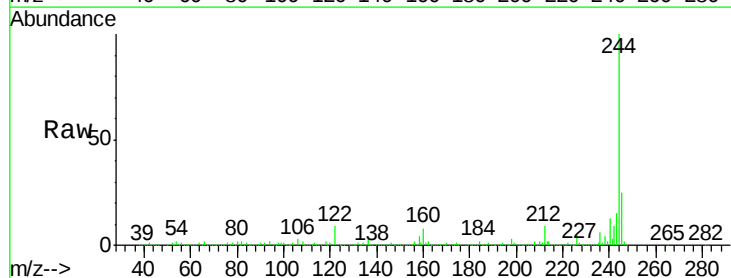
Tgt Ion:244 Resp: 2396635

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

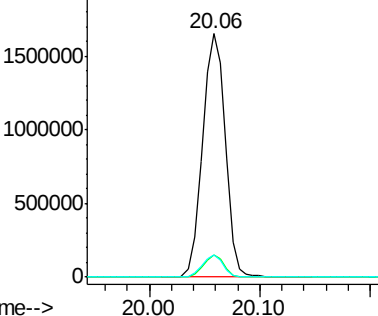
122 9.0 7.0 10.4



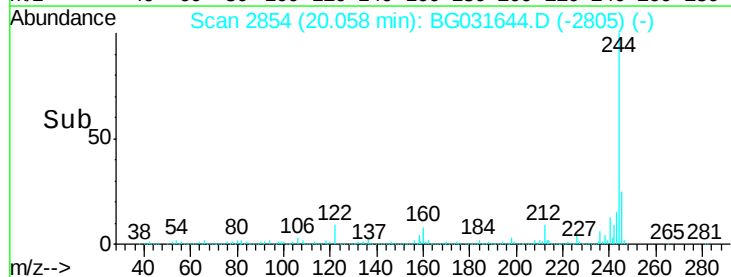
Abundance Ion 244.00 (243.70 to 244.70): E

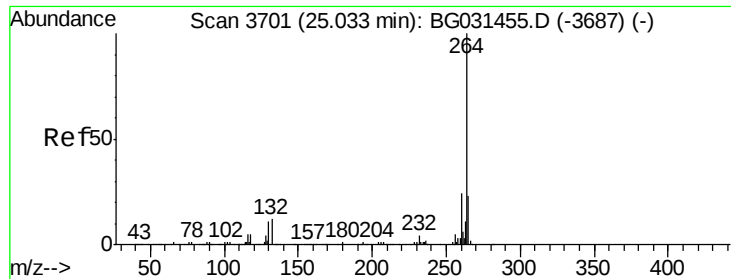
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 20.00 20.10

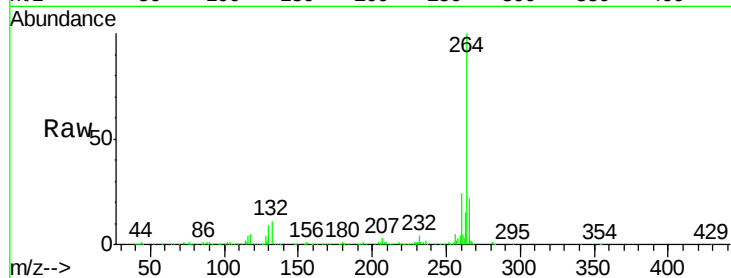




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.02 min Scan# 3698
 Delta R.T. -0.02 min
 Lab File: BG031644.D
 Acq: 18 Dec 2017 21:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	22.0	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

