

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121317\
 Data File : BG031556.D
 Acq On : 14 Dec 2017 8:52
 Operator : SJ/JU
 Sample : I6817-12
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 14 09:49:46 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

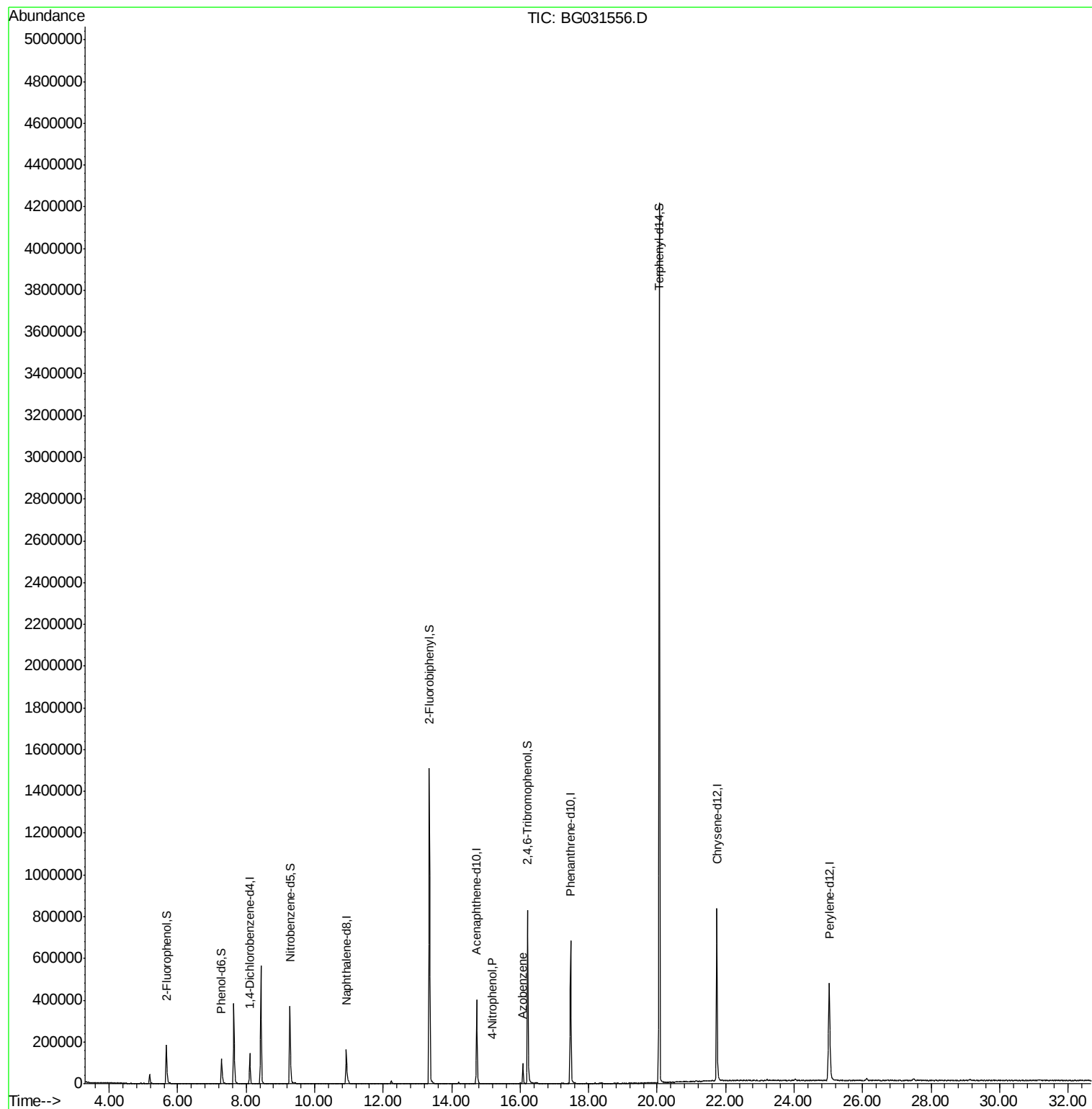
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	47802	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	206779	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	157722	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	488806	20.00	ng	0.00
75) Chrysene-d12	21.74	240	576307	20.00	ng	0.00
86) Perylene-d12	25.02	264	558128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	110889	41.12	ng	0.00
7) Phenol-d6	7.28	99	93925	25.09	ng	0.00
23) Nitrobenzene-d5	9.27	82	276295	82.36	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	186464	100.91	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	915810	85.23	ng	0.00
78) Terphenyl-d14	20.07	244	1890280	74.63	ng	0.00
Target Compounds						
55) 4-Nitrophenol	15.18	139	66	3.575	ng	Qvalue # 1
62) Azobenzene	16.08	77	31942	2.946	ng	# 1

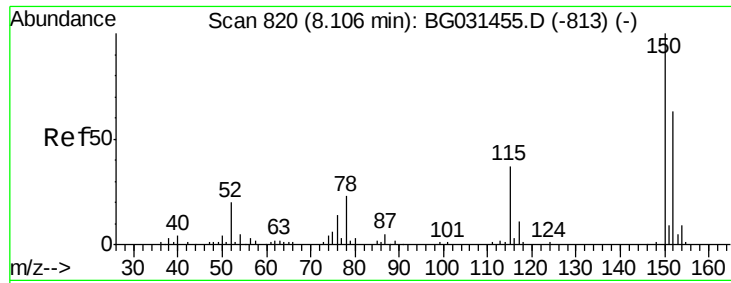
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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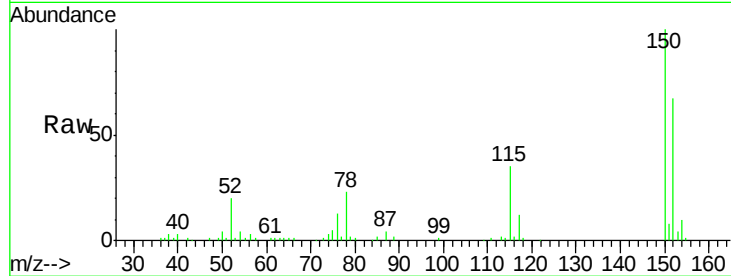


#1

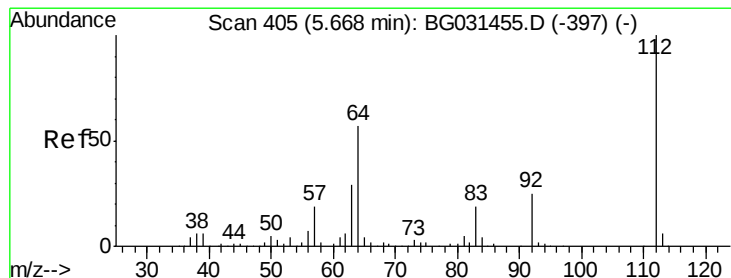
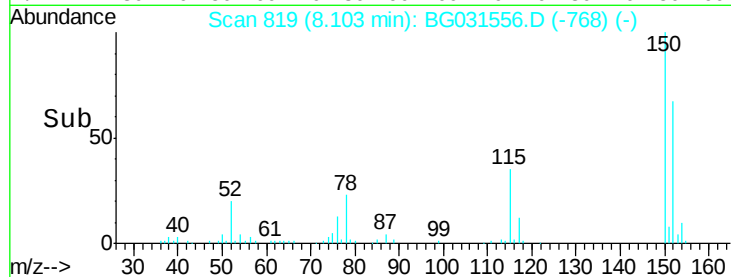
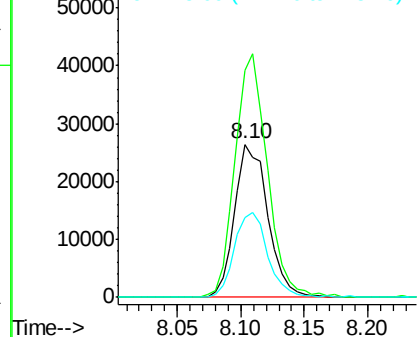
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG031556.D
Acq: 14 Dec 2017 8:52

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:152 Resp: 47802
Ion Ratio Lower Upper
152 100
150 148.6 126.6 189.8
115 52.0 53.0 79.4#



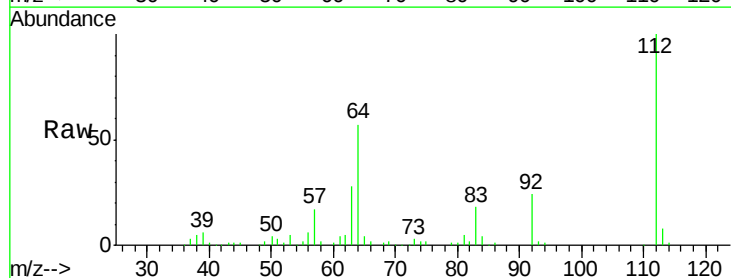
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



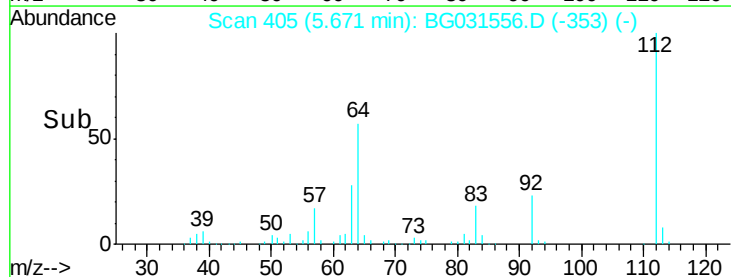
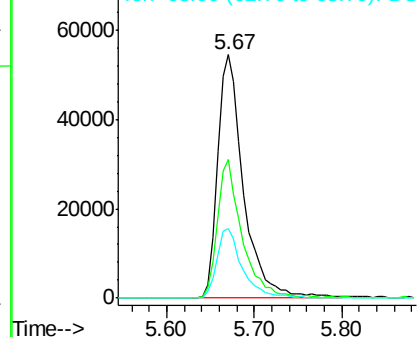
#5

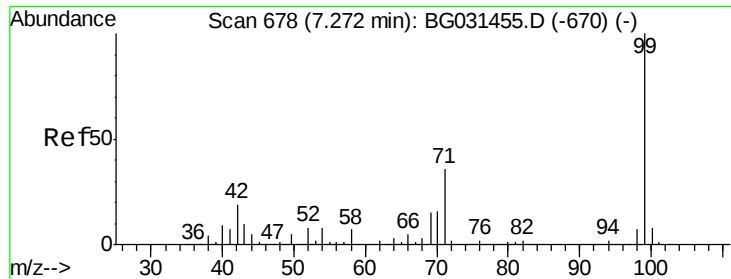
2-Fluorophenol
Concen: 41.118 ng
RT: 5.67 min Scan# 405
Delta R.T. 0.00 min
Lab File: BG031556.D
Acq: 14 Dec 2017 8:52

Tgt Ion:112 Resp: 110889
Ion Ratio Lower Upper
112 100
64 56.9 56.3 84.5
63 28.3 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: 25.088 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BG031556.D

Acq: 14 Dec 2017 8:52

Instrument :

BNA_G

ClientSampled :

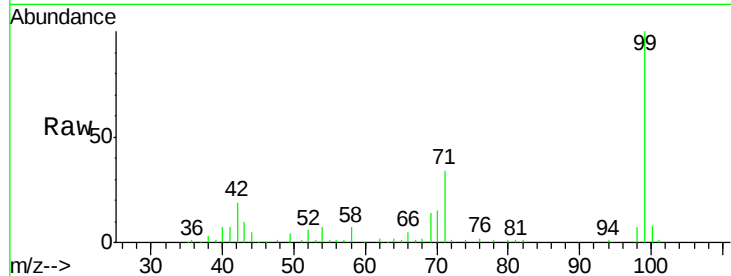
Tgt Ion: 99 Resp: 93925

Ion Ratio Lower Upper

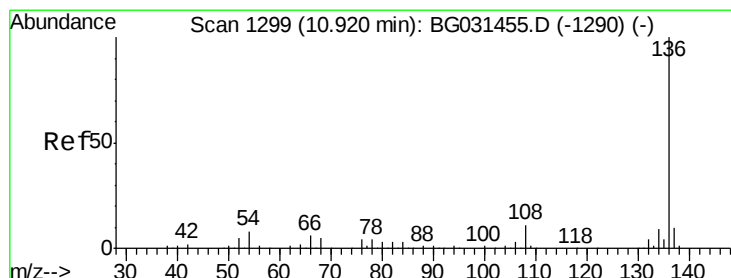
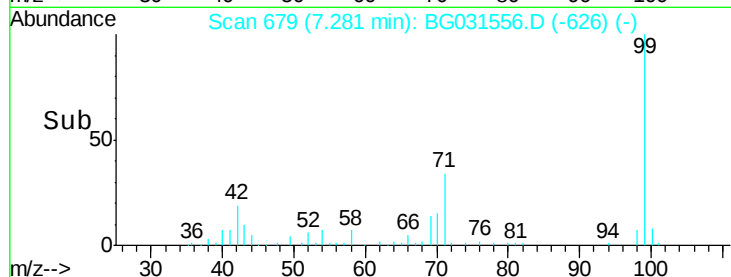
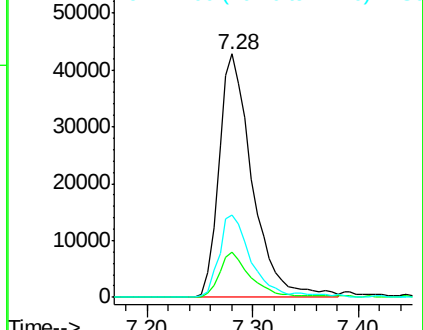
99 100

42 18.7 14.1 21.1

71 34.0 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# 1299

Delta R.T. 0.00 min

Lab File: BG031556.D

Acq: 14 Dec 2017 8:52

Tgt Ion: 136 Resp: 206779

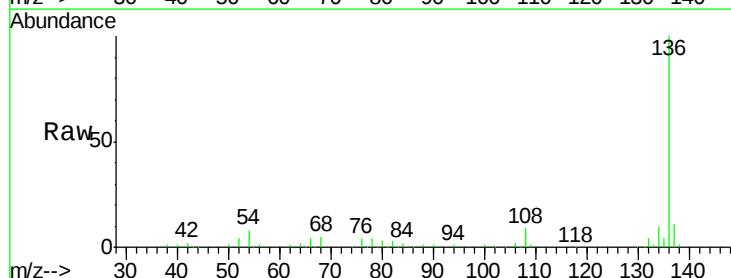
Ion Ratio Lower Upper

136 100

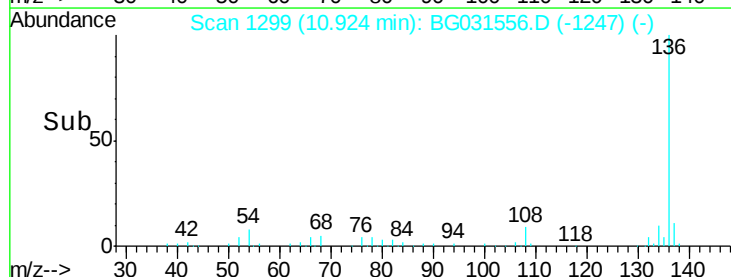
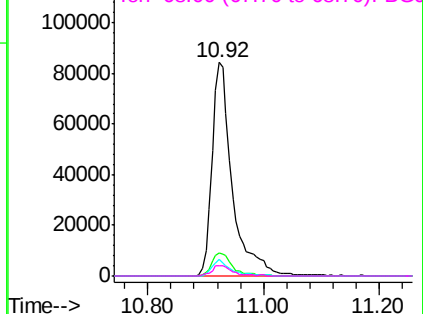
137 10.5 9.2 13.8

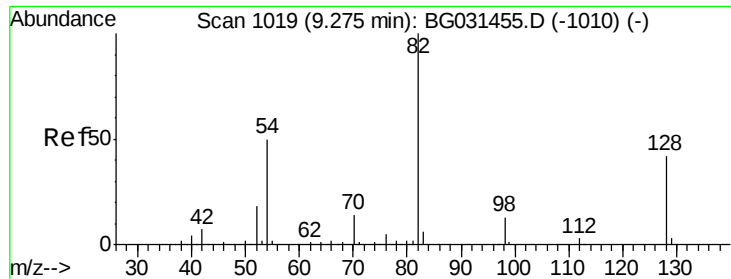
54 8.4 10.3 15.5#

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

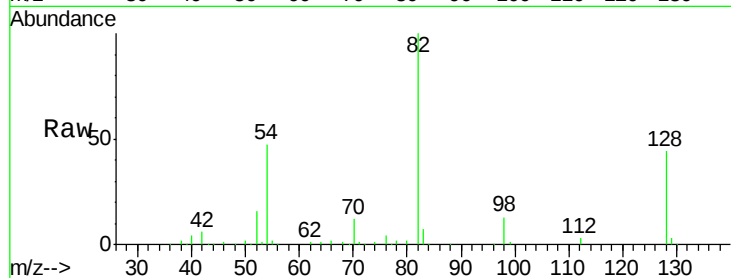




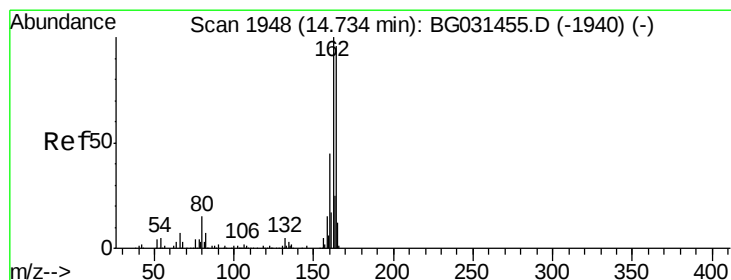
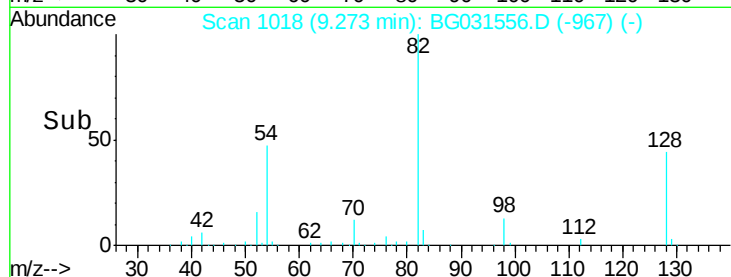
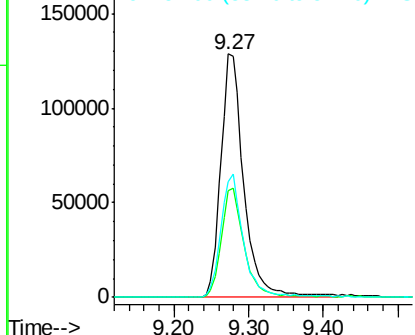
#23
Nitrobenzene-d5
Concen: 82.358 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG031556.D
Acq: 14 Dec 2017 8:52

Instrument :
BNA_G
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.8	29.7	44.5
54	47.3	43.1	64.7

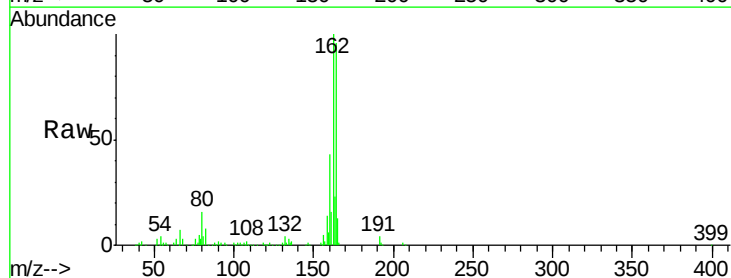


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

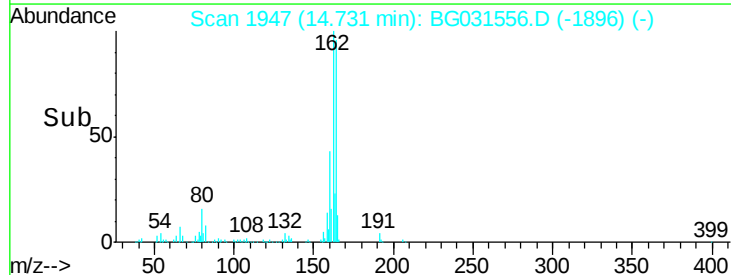
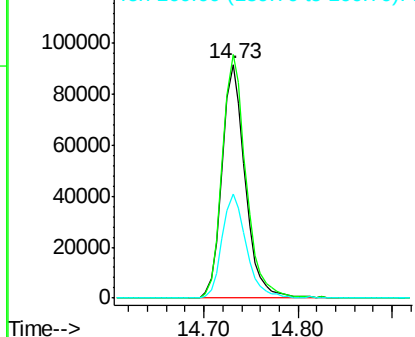


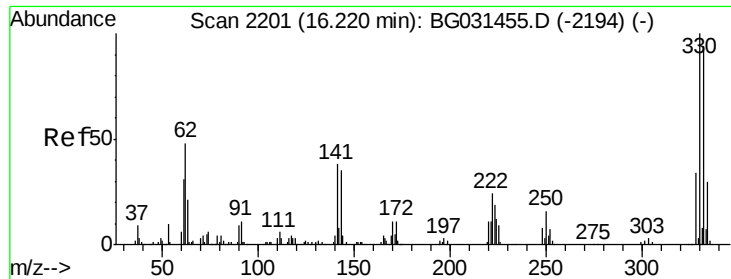
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BG031556.D
Acq: 14 Dec 2017 8:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	78.8	118.2
160	44.2	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

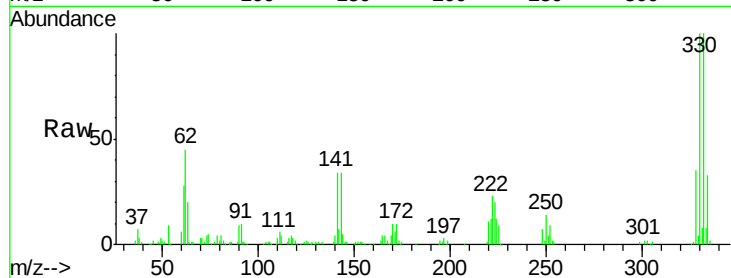




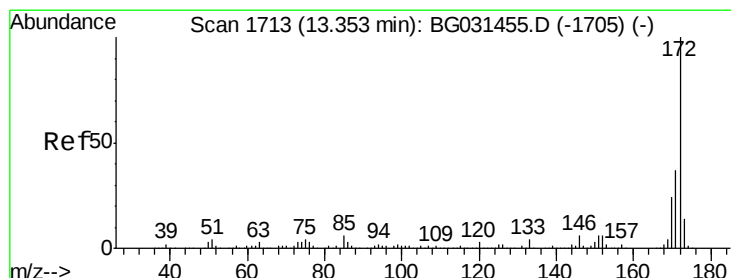
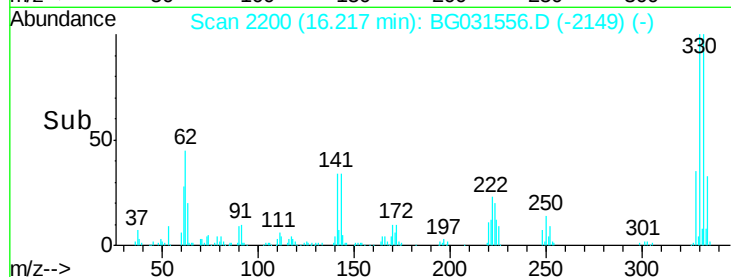
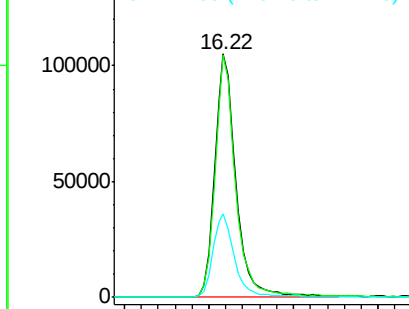
#41
 2,4,6-Tribromophenol
 Concen: 100.912 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BG031556.D
 Acq: 14 Dec 2017 8:52

Instrument :
 BNA_G
 ClientSampled :

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	34.1	25.2	37.8

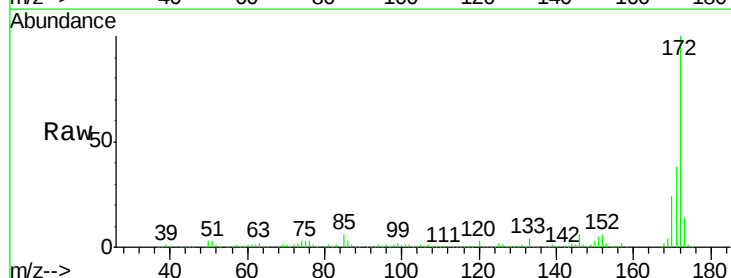


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

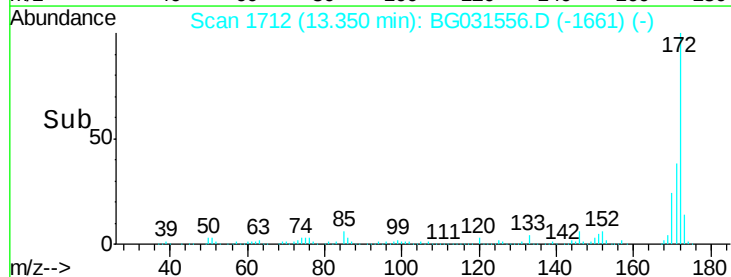
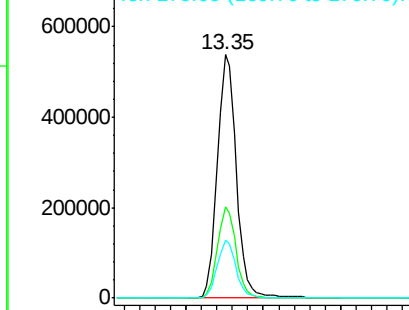


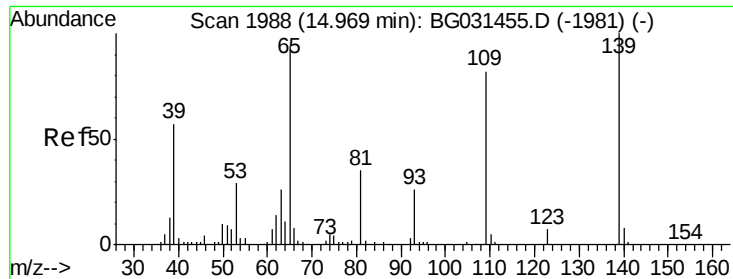
#44
 2-Fluorobiphenyl
 Concen: 85.232 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.00 min
 Lab File: BG031556.D
 Acq: 14 Dec 2017 8:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	23.6	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

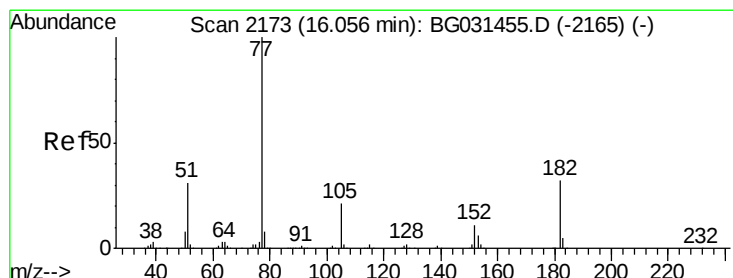
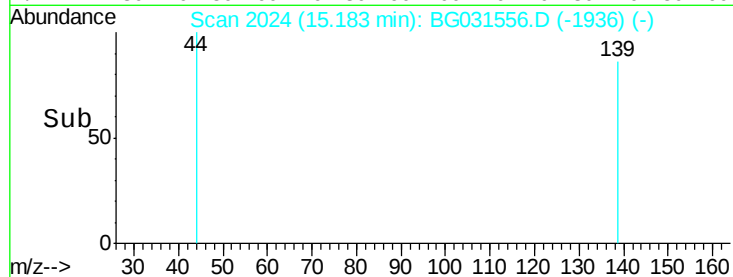
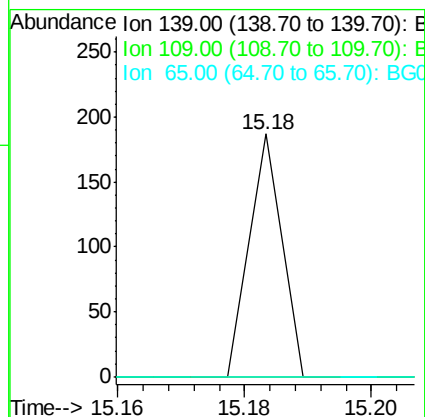
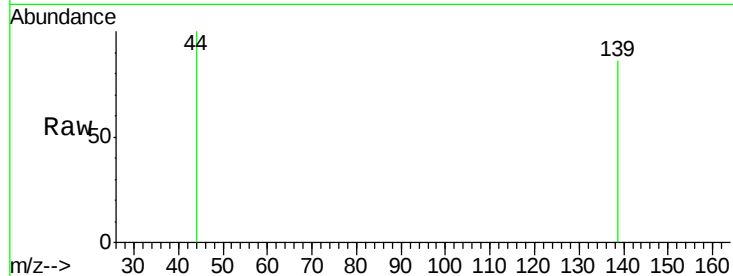




#55
 4-Nitrophenol
 Concen: 3.575 ng
 RT: 15.18 min Scan# 2024
 Delta R.T. 0.22 min
 Lab File: BG031556.D
 Acq: 14 Dec 2017 8:52

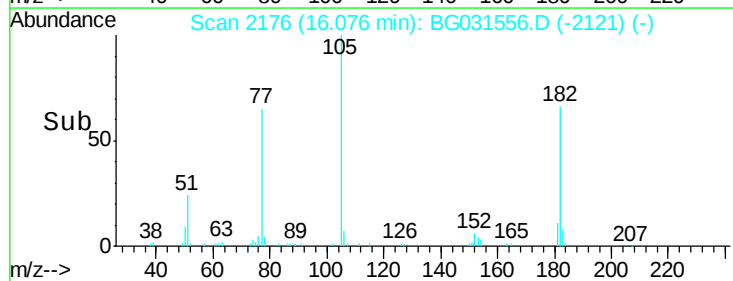
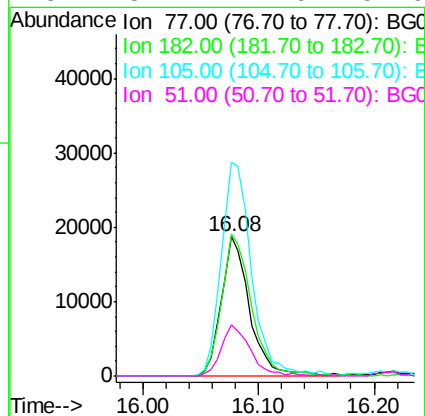
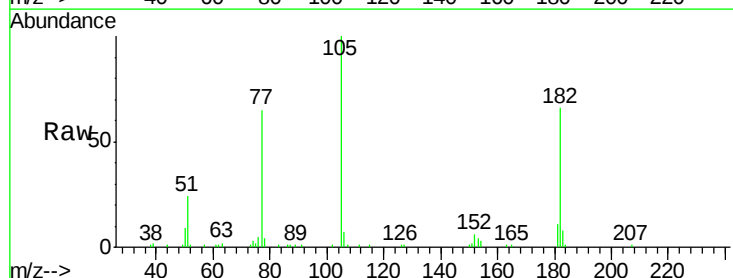
Instrument :
 BNA_G
 ClientSampleId :

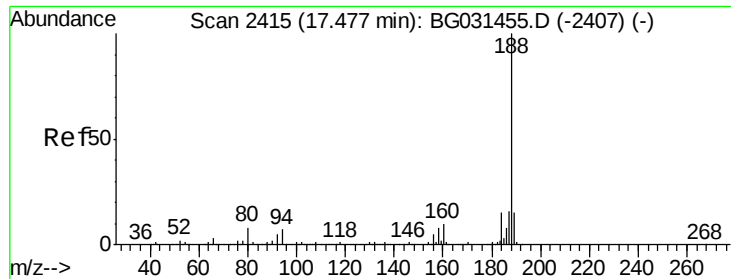
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#



#62
 Azobenzene
 Concen: 2.946 ng
 RT: 16.08 min Scan# 2176
 Delta R.T. 0.02 min
 Lab File: BG031556.D
 Acq: 14 Dec 2017 8:52

Tgt Ion	Ratio	Lower	Upper
77	100		
182	102.1	7.4	47.4#
105	153.7	0.3	40.3#
51	37.2	11.6	51.6

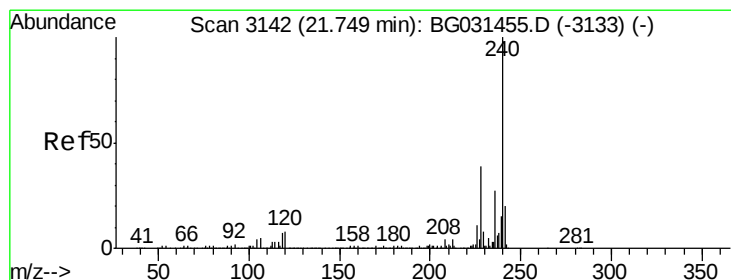
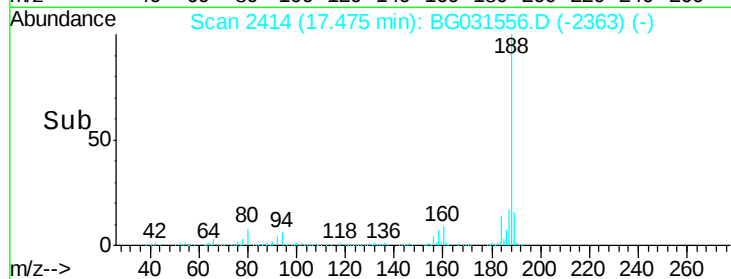
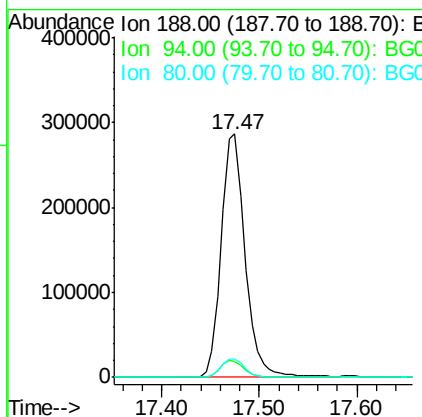
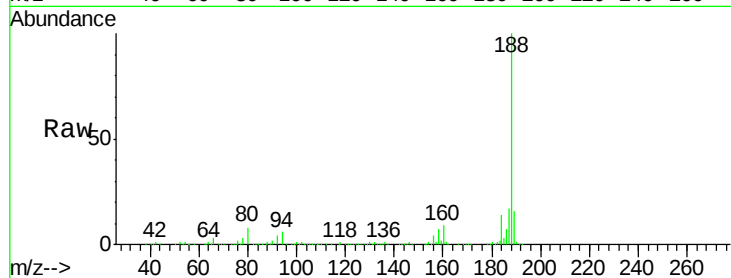




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BG031556.D
Acq: 14 Dec 2017 8:52

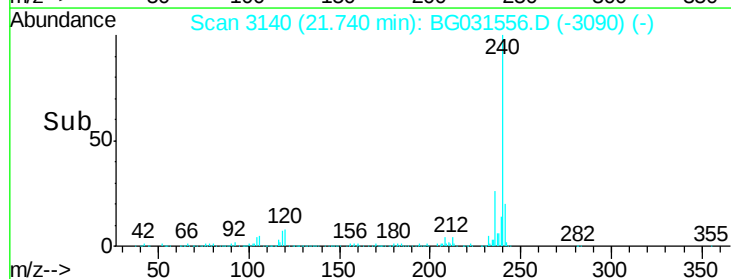
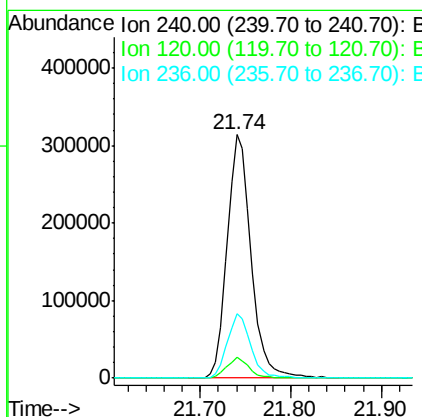
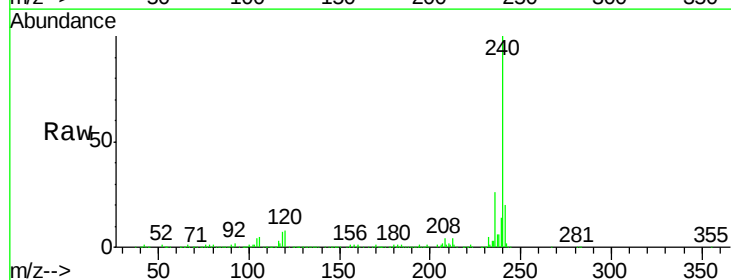
Instrument :
BNA_G
ClientSampleId :

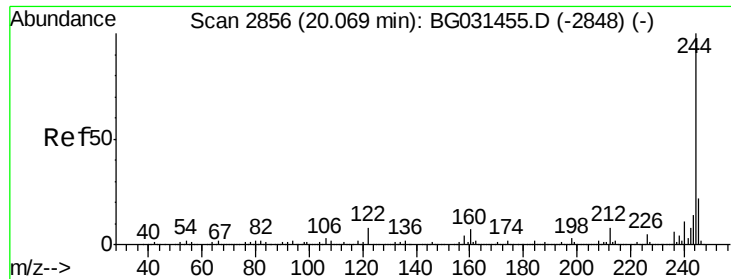
Tgt Ion:188 Resp: 488806
Ion Ratio Lower Upper
188 100
94 6.4 6.9 10.3#
80 7.5 7.7 11.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG031556.D
Acq: 14 Dec 2017 8:52

Tgt Ion:240 Resp: 576307
Ion Ratio Lower Upper
240 100
120 8.5 6.8 10.2
236 26.4 20.9 31.3





#78

Terphenyl-d14

Concen: 74.625 ng

RT: 20.07 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG031556.D

Acq: 14 Dec 2017 8:52

Instrument :

BNA_G

ClientSampleId :

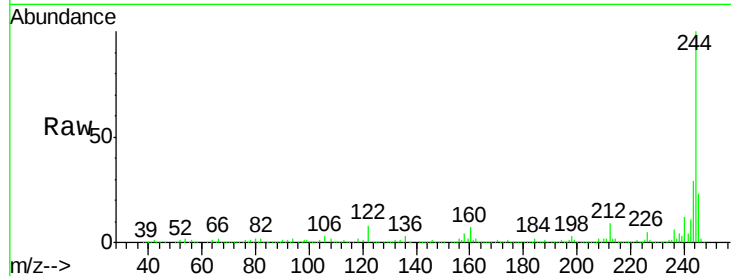
Tgt Ion:244 Resp: 1890280

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

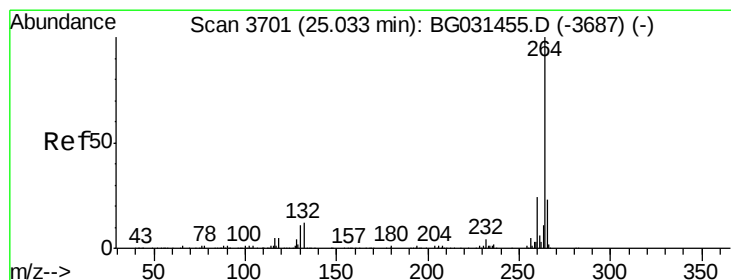
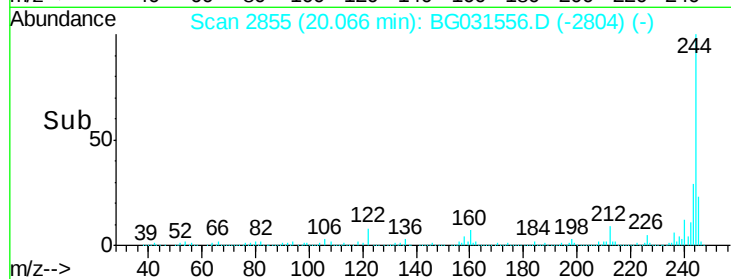
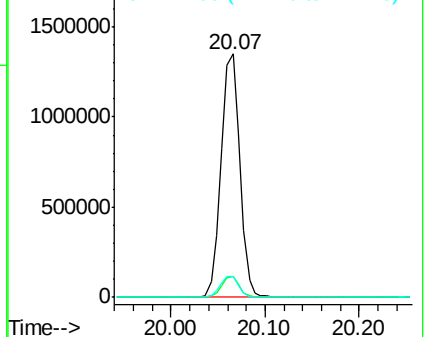
122 8.3 7.0 10.4



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# 3699

Delta R.T. -0.01 min

Lab File: BG031556.D

Acq: 14 Dec 2017 8:52

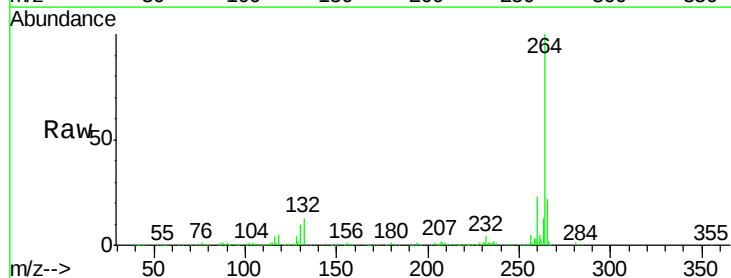
Tgt Ion:264 Resp: 558128

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 22.2 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

