

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092917\
 Data File : BG028975.D
 Acq On : 29 Sep 2017 18:57
 Operator : SJ/JU
 Sample : I5450-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 29 19:42:58 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 29 17:54:09 2017
 Response via : Initial Calibration

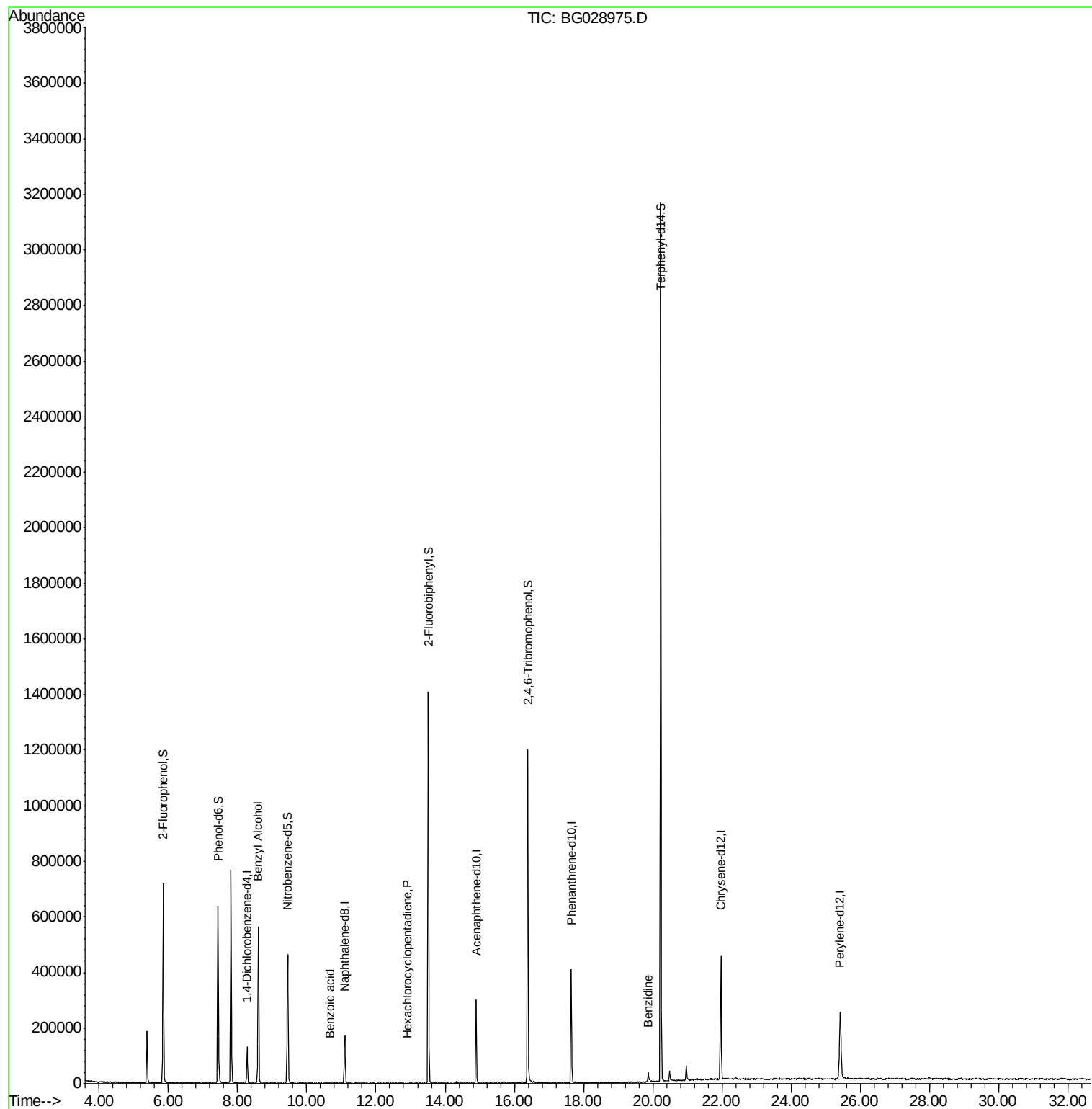
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	35364	20.00	ng	0.00
21) Naphthalene-d8	11.10	136	150479	20.00	ng	0.00
38) Acenaphthene-d10	14.89	164	106823	20.00	ng	0.00
63) Phenanthrene-d10	17.64	188	274768	20.00	ng	0.00
75) Chrysene-d12	21.96	240	316832	20.00	ng	0.00
86) Perylene-d12	25.42	264	325596	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	310158	144.72	ng	0.00
7) Phenol-d6	7.44	99	384924	119.29	ng	0.00
23) Nitrobenzene-d5	9.45	82	305500	97.12	ng	0.00
41) 2,4,6-Tribromophenol	16.39	330	258404	146.26	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	769841	96.10	ng	0.00
78) Terphenyl-d14	20.23	244	1479710	99.60	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.60	79	5745	2.281	ng	# 62
32) Benzoic acid	10.67	122	78	6.121	ng	# 1
40) Hexachlorocyclopentadiene	12.90	237	59	7.634	ng	# 29
76) Benzidine	19.87	184	34037	4.143	ng	# 89

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

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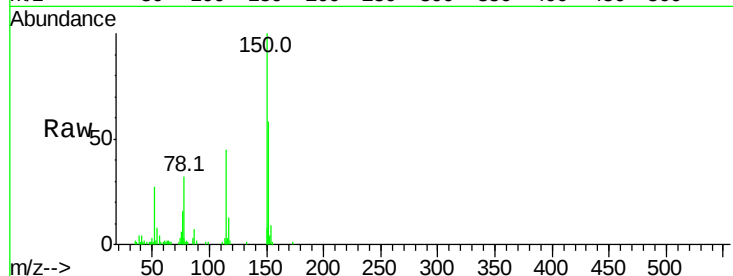


#1

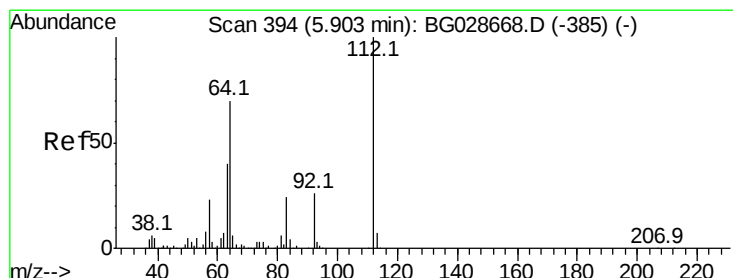
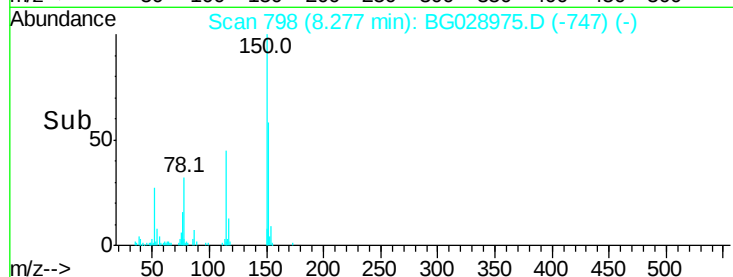
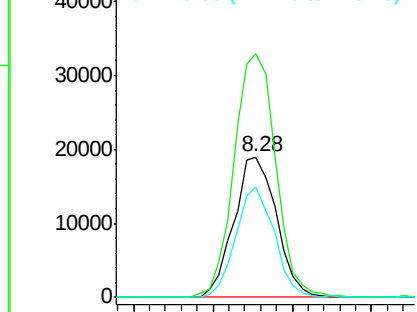
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.28 min Scan# 798
Delta R.T. 0.00 min
Lab File: BG028975.D
Acq: 29 Sep 2017 18:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35364
Ion Ratio Lower Upper
152 100
150 173.6 114.0 171.0#
115 78.9 48.1 72.1#



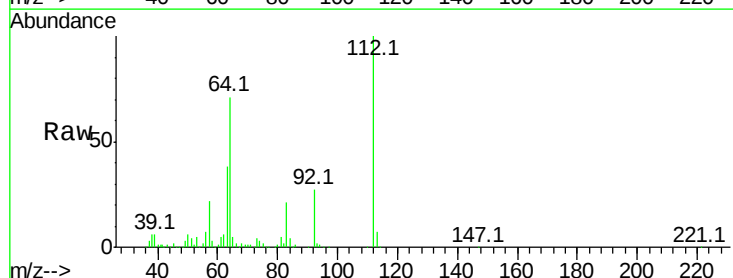
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



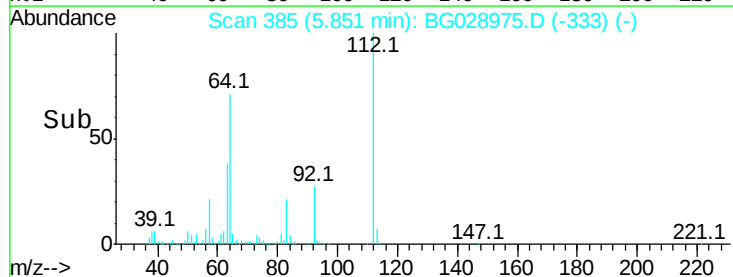
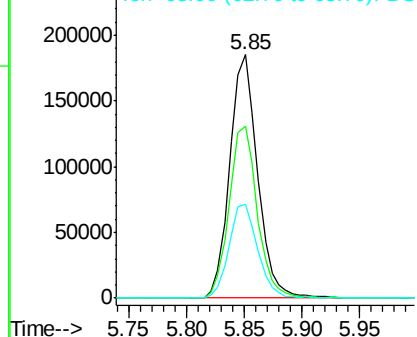
#5

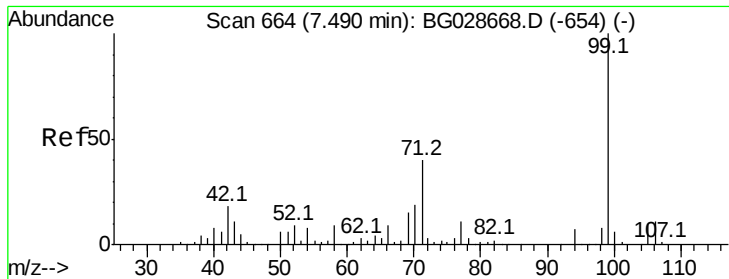
2-Fluorophenol
Concen: 144.717 ng
RT: 5.85 min Scan# 385
Delta R.T. 0.01 min
Lab File: BG028975.D
Acq: 29 Sep 2017 18:57

Tgt Ion:112 Resp: 310158
Ion Ratio Lower Upper
112 100
64 70.6 61.8 92.6
63 38.3 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: 119.287 ng

RT: 7.44 min Scan# 655

Delta R.T. 0.00 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

Instrument :

BNA_G

ClientSampleId :

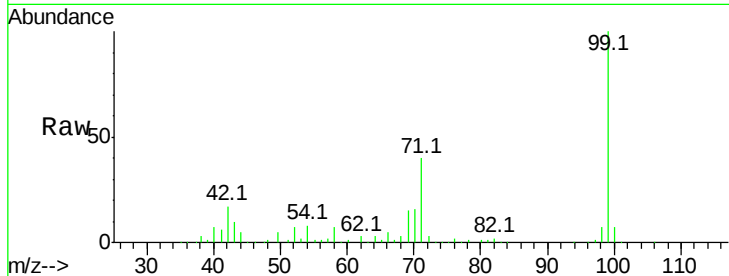
Tot Ion: 99 Resp: 384924

Ion Ratio Lower Upper

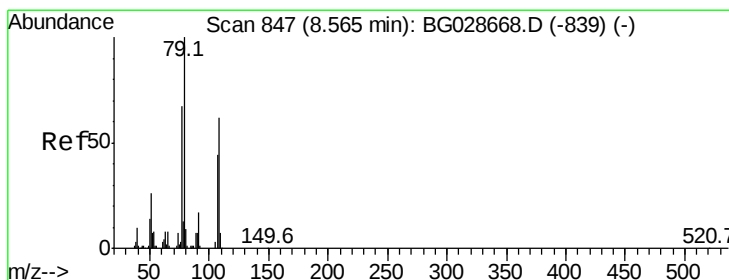
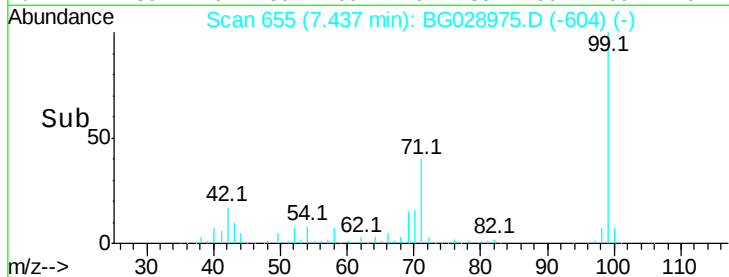
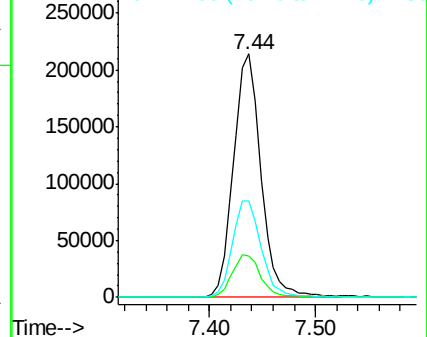
99 100

42 17.2 20.5 30.7#

71 39.6 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



#15

Benzyl Alcohol

Concen: 2.281 ng

RT: 8.60 min Scan# 853

Delta R.T. 0.08 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

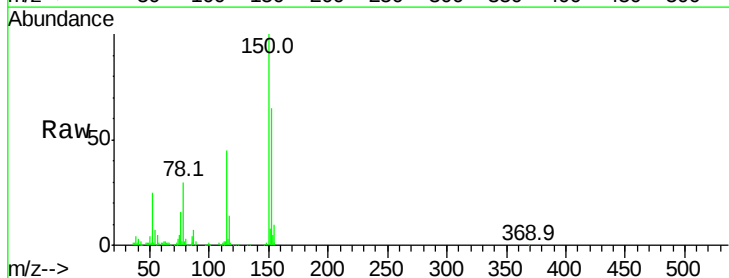
Tgt Ion: 79 Resp: 5745

Ion Ratio Lower Upper

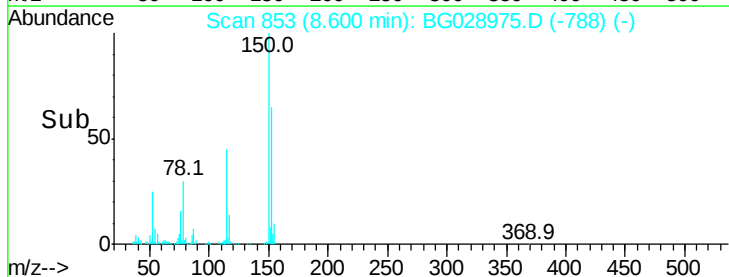
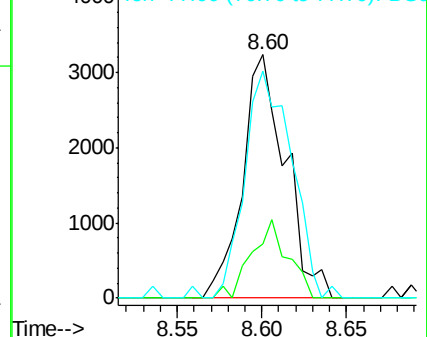
79 100

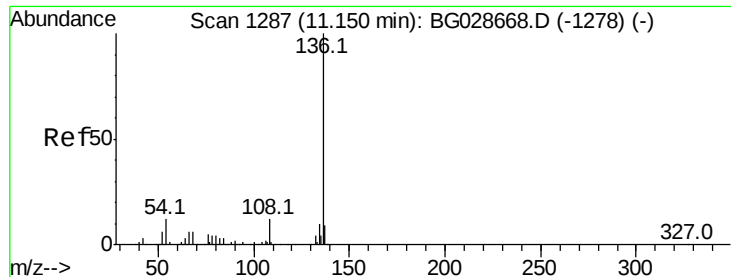
108 22.5 45.5 68.3#

77 93.1 54.3 81.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

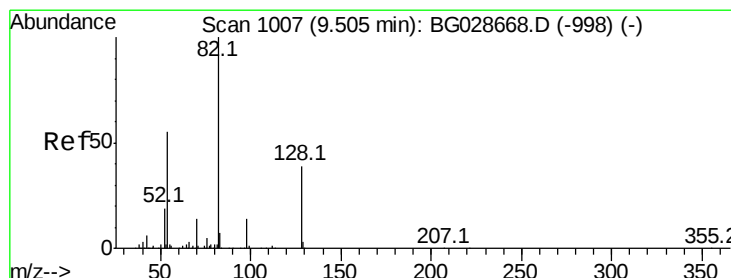
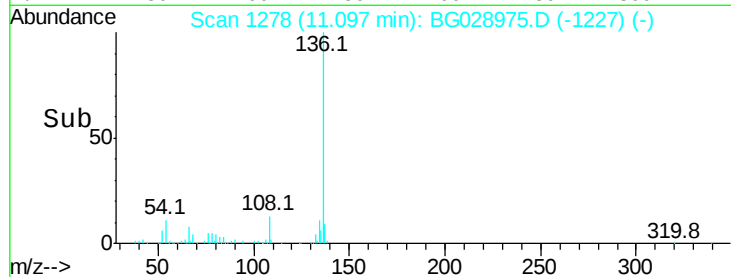
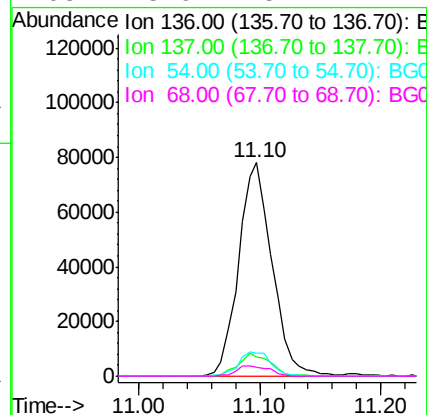
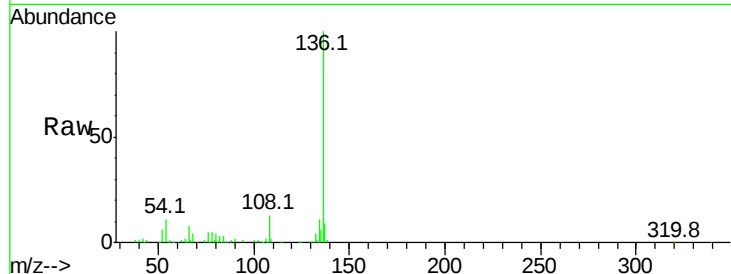




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.10 min Scan# 1278
Delta R.T. 0.00 min
Lab File: BG028975.D
Acq: 29 Sep 2017 18:57

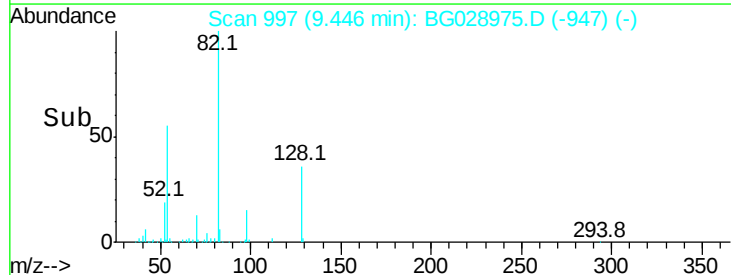
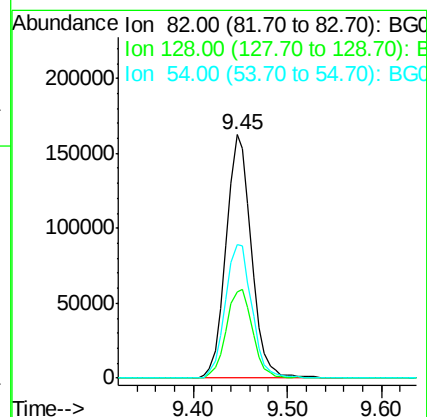
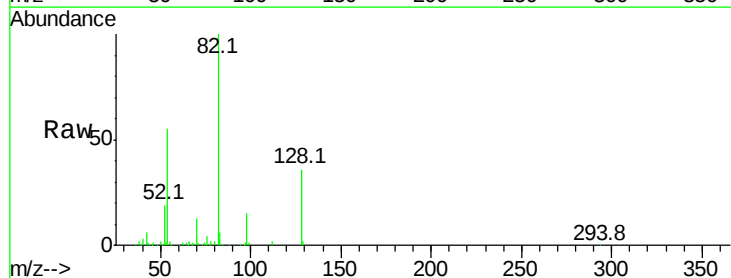
Instrument :
BNA_G
ClientSampleId :

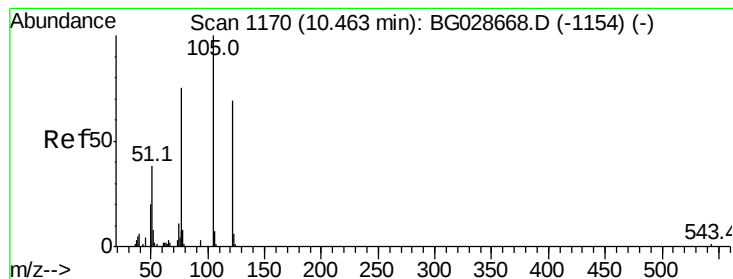
Tot Ion:	136	Resp:	150479
Ion	Ratio	Lower	Upper
136	100		
137	9.0	8.9	13.3
54	10.9	9.3	13.9
68	3.9	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 97.119 ng
RT: 9.45 min Scan# 997
Delta R.T. -0.01 min
Lab File: BG028975.D
Acq: 29 Sep 2017 18:57

Tgt Ion:	82	Resp:	305500
Ion	Ratio	Lower	Upper
82	100		
128	35.6	26.4	39.6
54	54.8	49.4	74.2





#32

Benzoic acid

Concen: 6.121 ng

RT: 10.67 min Scan# 1205

Delta R.T. 0.25 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

Instrument :

BNA_G

ClientSampleId :

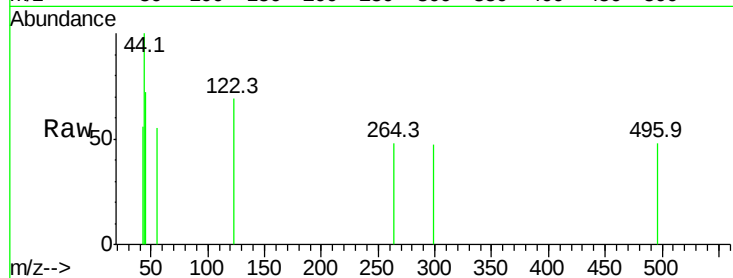
Tot Ion:122 Resp: 78

Ion Ratio Lower Upper

122 100

105 0.0 120.1 160.1#

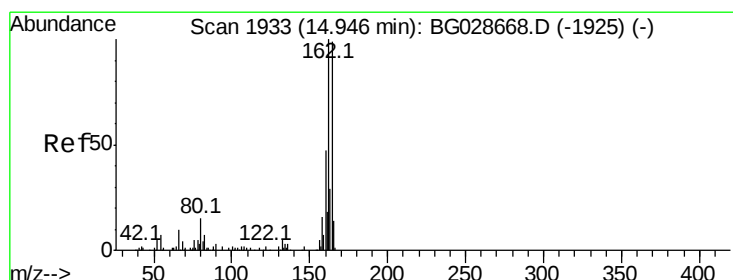
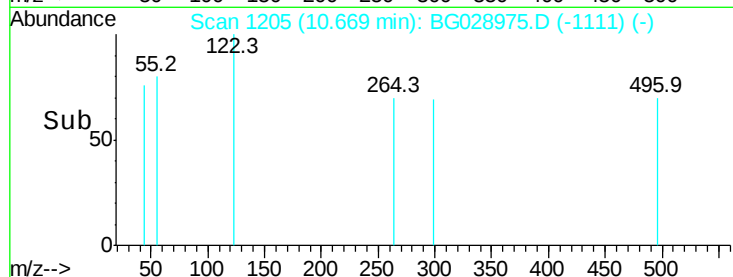
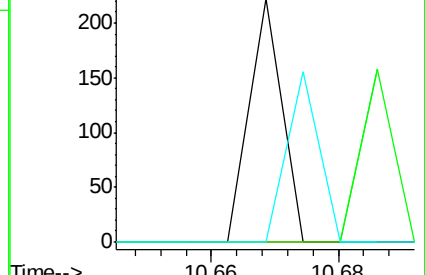
77 0.0 104.6 144.6#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.89 min Scan# 1924

Delta R.T. 0.00 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

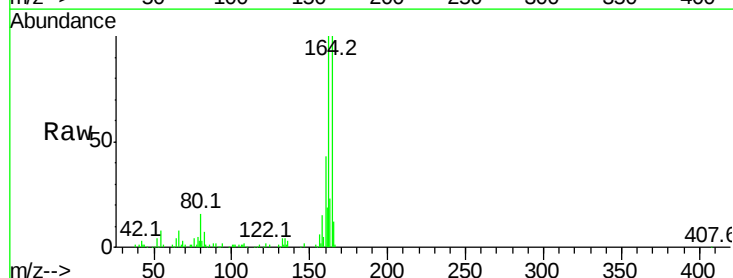
Tgt Ion:164 Resp: 106823

Ion Ratio Lower Upper

164 100

162 100.3 85.1 127.7

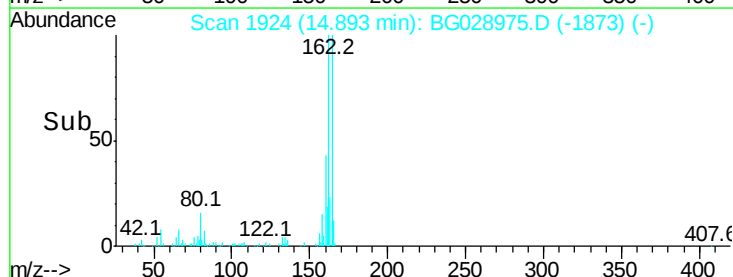
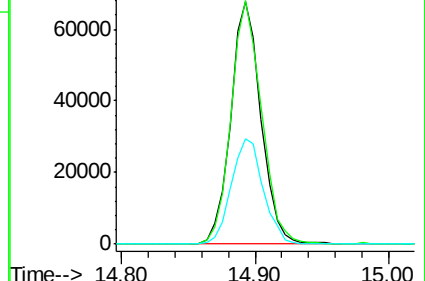
160 43.2 34.7 52.1

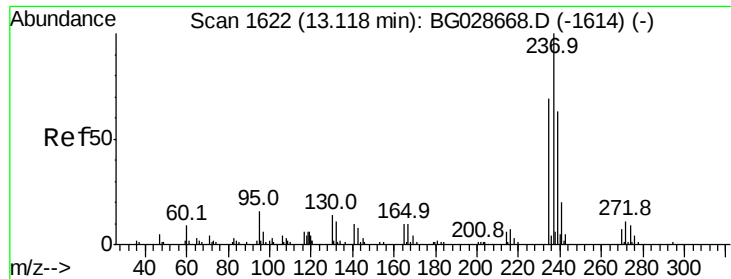


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#40

Hexachlorocyclopentadiene

Concen: 7.634 ng

RT: 12.90 min Scan# 1585

Delta R.T. -0.17 min

Lab File: BG028975.D

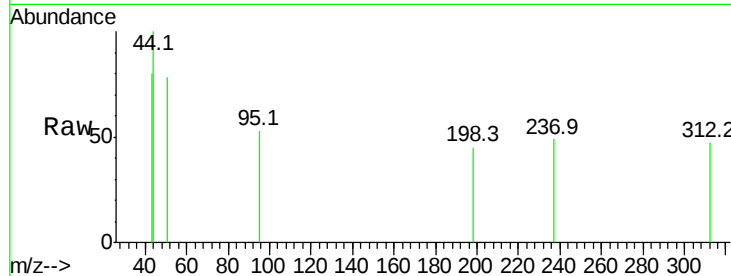
Acq: 29 Sep 2017 18:57

Instrument :

BNA_G

ClientSampleId :

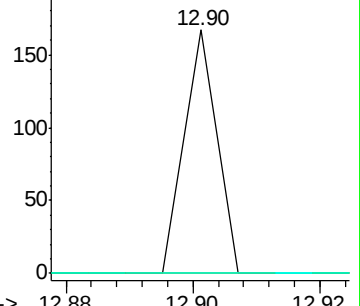
Tot Ion:	237	Resp:	59
Ion	Ratio	Lower	Upper
237	100		
235	0.0	39.4	79.4#
272	0.0	0.0	32.0



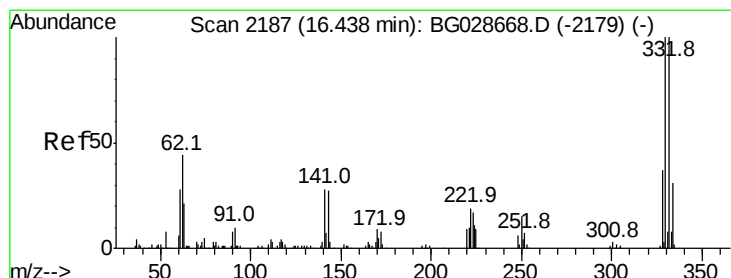
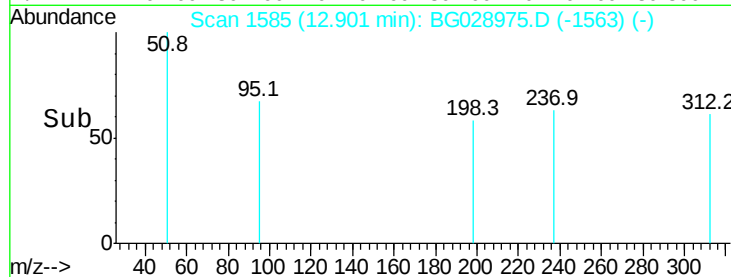
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time--> 12.88 12.90 12.92



#41

2,4,6-Tribromophenol

Concen: 146.256 ng

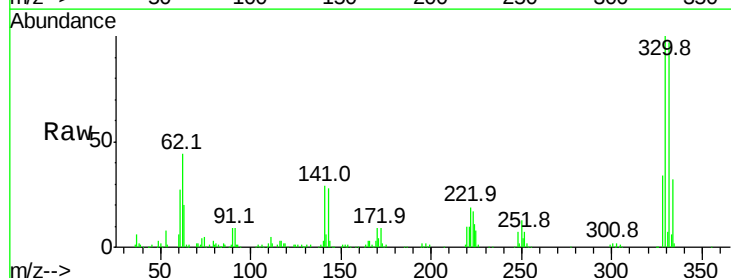
RT: 16.39 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

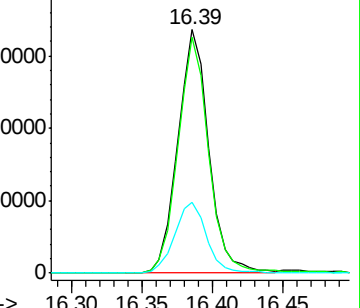
Tgt Ion:	330	Resp:	258404
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	30.1	32.1	48.1#



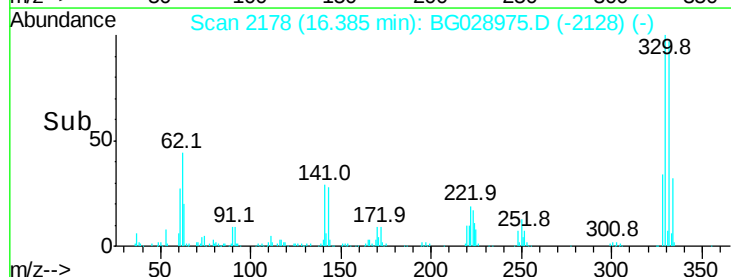
Abundance Ion 329.80 (329.50 to 330.50): E

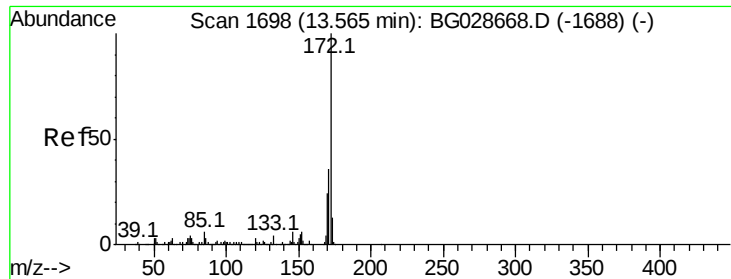
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 16.30 16.35 16.40 16.45

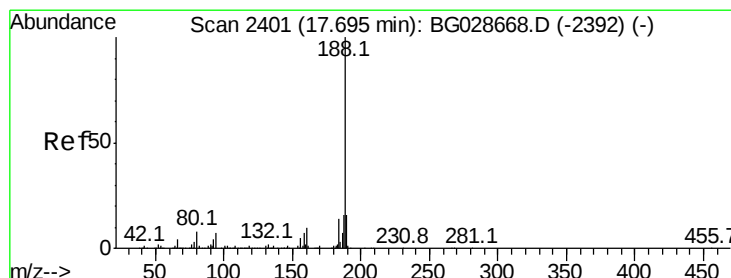
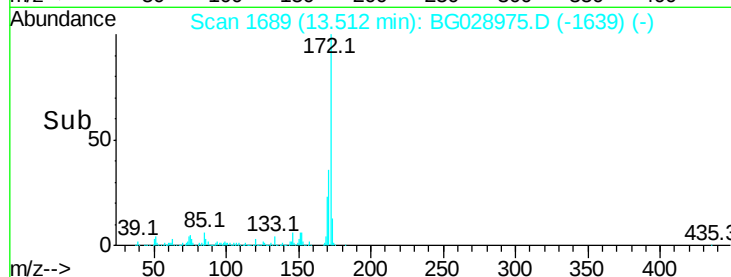
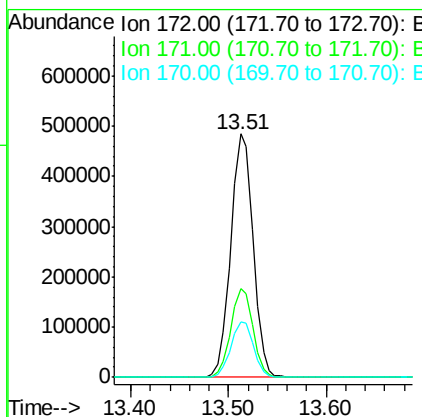
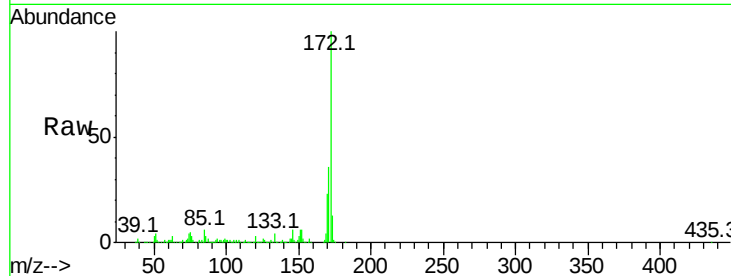




#44
2-Fluorobiphenyl
Concen: 96.096 ng
RT: 13.51 min Scan# 1689
Delta R.T. -0.01 min
Lab File: BG028975.D
Acq: 29 Sep 2017 18:57

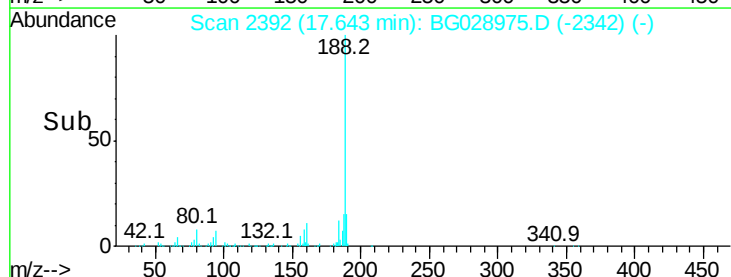
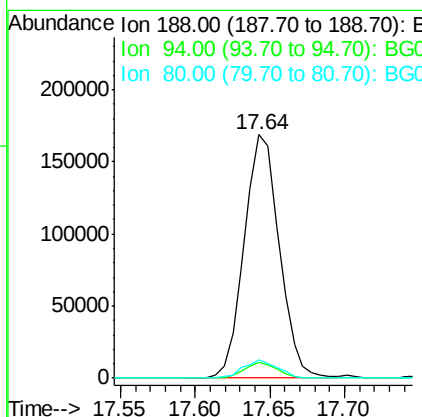
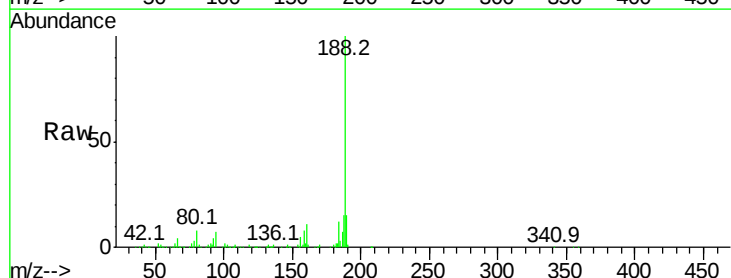
Instrument :
BNA_G
ClientSampleId :

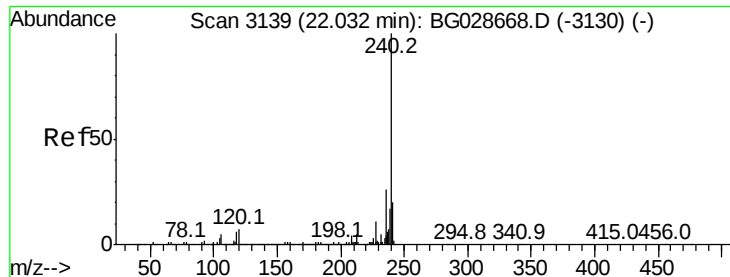
Tot Ion:172 Resp: 769841
Ion Ratio Lower Upper
172 100
171 36.4 32.2 48.2
170 23.0 21.8 32.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BG028975.D
Acq: 29 Sep 2017 18:57

Tgt Ion:188 Resp: 274768
Ion Ratio Lower Upper
188 100
94 6.7 5.8 8.8
80 7.6 7.5 11.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.96 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

Instrument :

BNA_G

ClientSampleId :

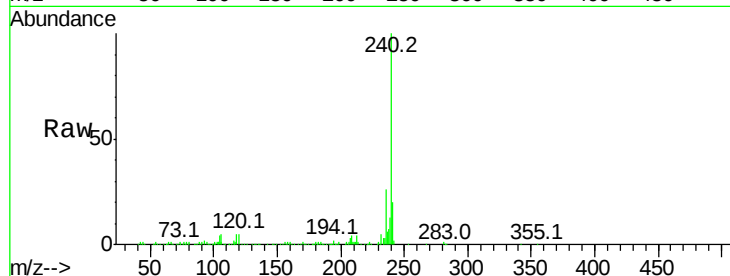
Tot Ion:240 Resp: 316832

Ion Ratio Lower Upper

240 100

120 5.1 5.7 8.5#

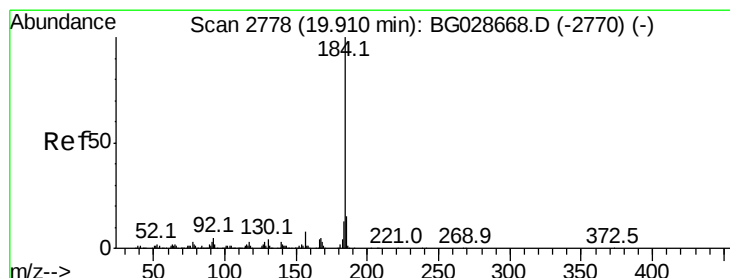
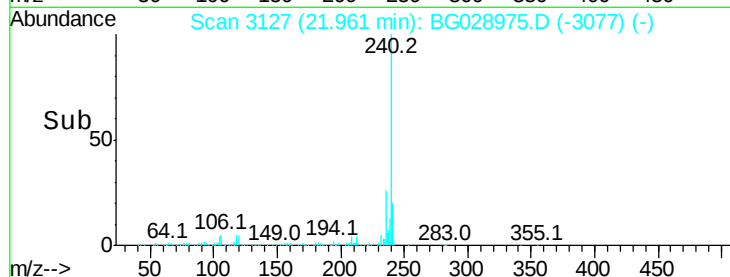
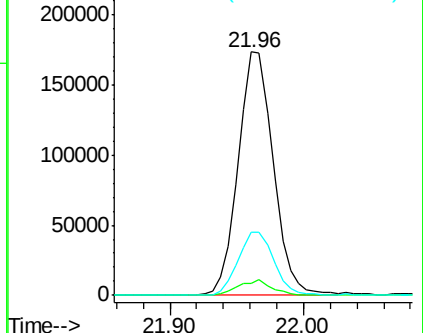
236 25.9 22.2 33.4



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



#76

Benzidine

Concen: 4.143 ng

RT: 19.87 min Scan# 2771

Delta R.T. 0.01 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

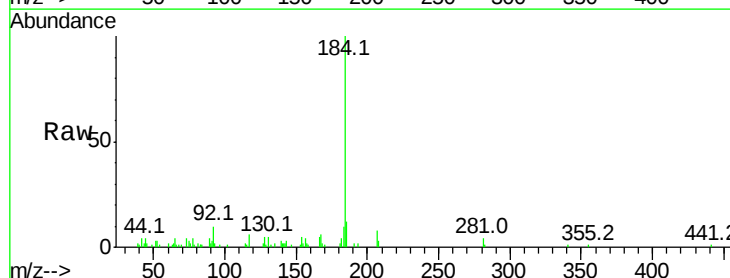
Tgt Ion:184 Resp: 34037

Ion Ratio Lower Upper

184 100

185 11.5 13.0 19.6#

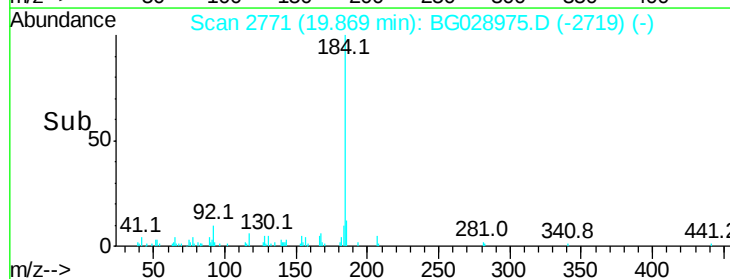
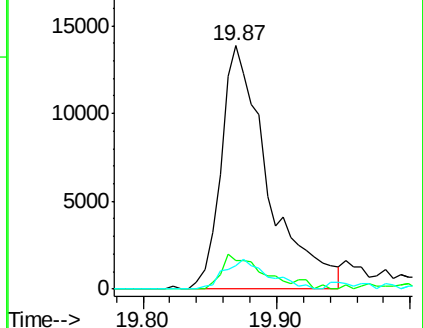
183 9.8 11.0 16.6#

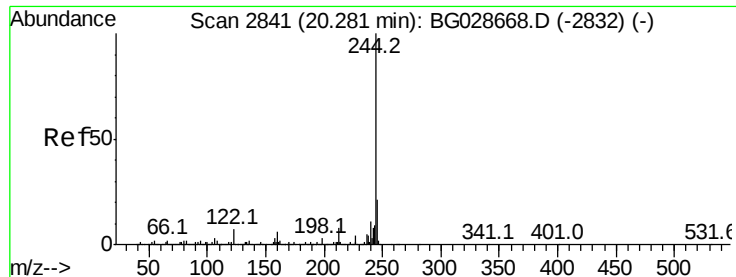


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.598 ng

RT: 20.23 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

Instrument :

BNA_G

ClientSampled :

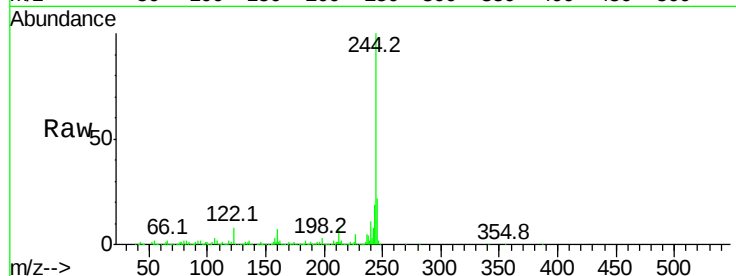
Tot Ion:244 Resp: 1479710

Ion Ratio Lower Upper

244 100

212 8.1 10.0 15.0#

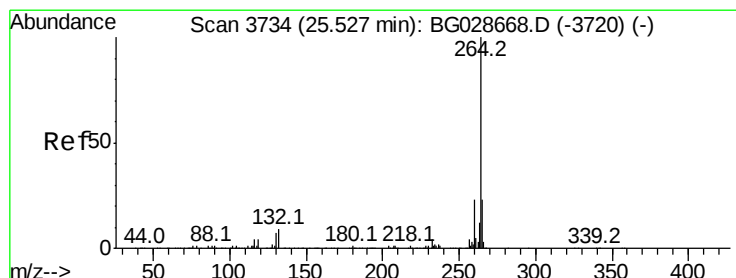
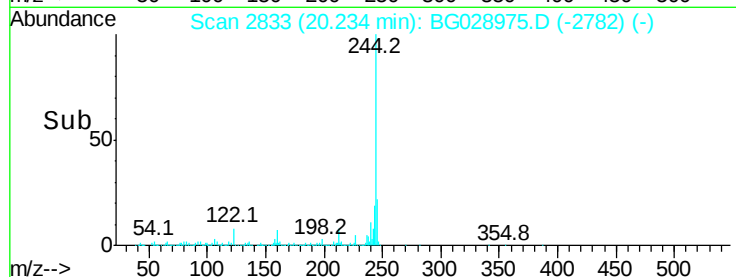
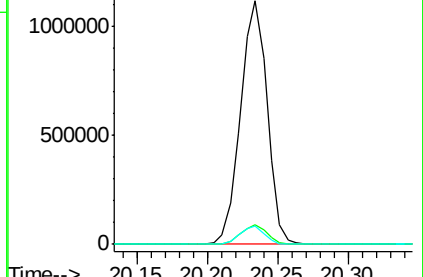
122 7.6 8.6 12.8#



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: 20.000 ng

RT: 25.42 min Scan# 3715

Delta R.T. 0.00 min

Lab File: BG028975.D

Acq: 29 Sep 2017 18:57

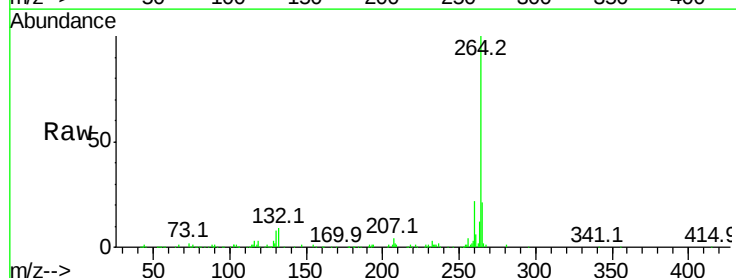
Tgt Ion:264 Resp: 325596

Ion Ratio Lower Upper

264 100

260 22.5 21.8 32.8

265 21.2 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

