

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG020993.D
 Acq On : 20 Feb 2016 4:46
 Operator : SJ/UM
 Sample : H1486-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-27

Quant Time: Feb 20 05:53:17 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

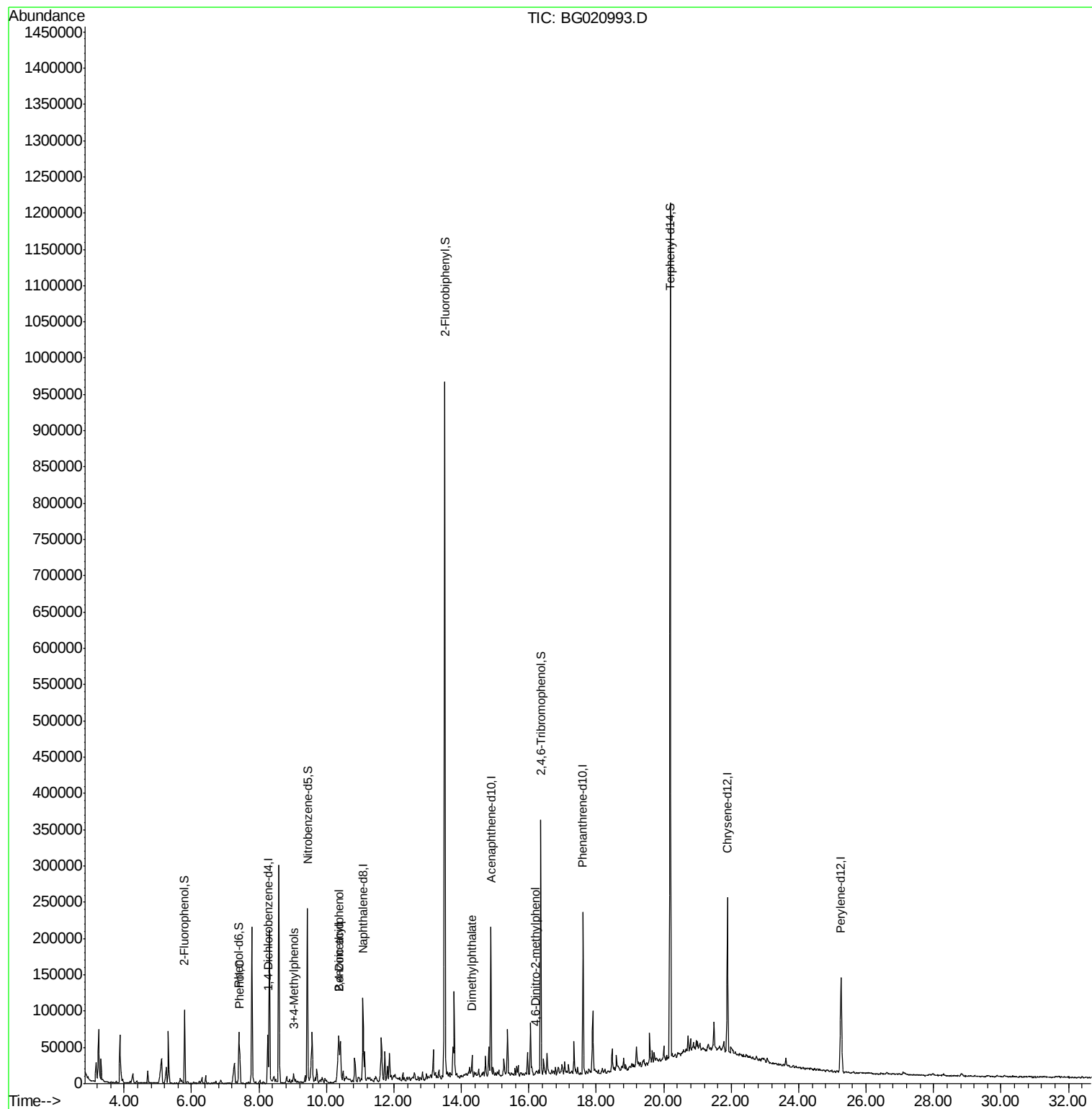
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	20796	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	116045	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	69235	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	134449	20.00	ng	-0.01
75) Chrysene-d12	21.89	240	123981	20.00	ng	-0.02
86) Perylene-d12	25.25	264	120000	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	56482	45.74	ng	0.00
7) Phenol-d6	7.40	99	51757	28.68	ng	0.00
23) Nitrobenzene-d5	9.43	82	164898	93.43	ng	0.00
41) 2,4,6-Tribromophenol	16.35	330	67123	98.59	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	477564	96.89	ng	0.00
78) Terphenyl-d14	20.19	244	508720	95.72	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.43	94	26404	13.82	ng	99
20) 3+4-Methylphenols	9.02	107	7093	3.70	ng	96
27) 2,4-Dimethylphenol	10.37	122	34675	18.69	ng	# 8
32) Benzoic acid	10.37	122	34675	23.30	ng	97
49) Dimethylphthalate	14.32	163	21323	3.94	ng	# 97
64) 4,6-Dinitro-2-methylphenol	16.21	198	63	5.60	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

Instrument :

BNA_G

ClientSampled :

TEC-27

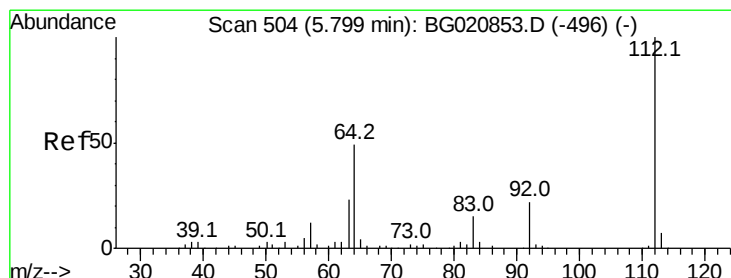
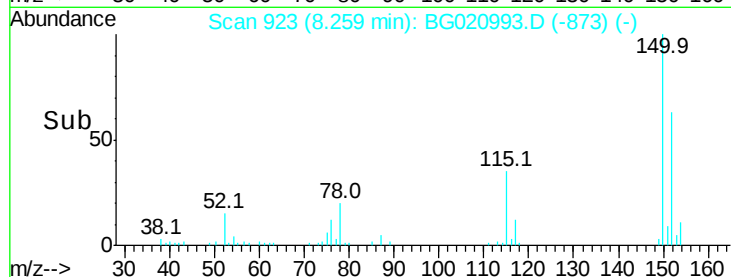
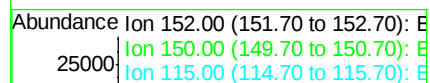
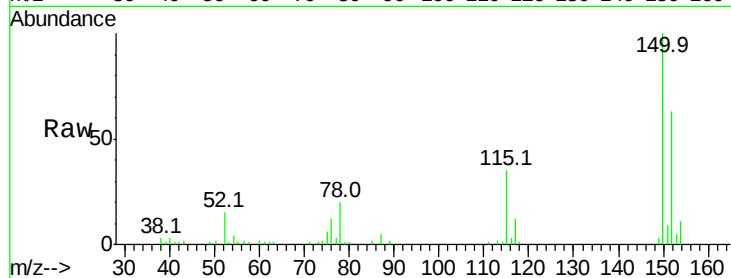
Tot Ion:152 Resp: 20796

Ion Ratio Lower Upper

152 100

150 158.2 122.0 183.0

115 55.6 45.2 67.8



#5

2-Fluorophenol

Concen: 45.74 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

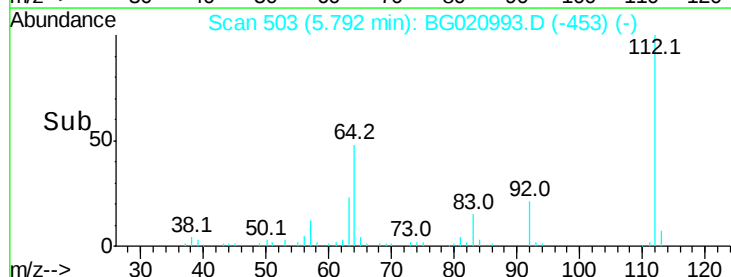
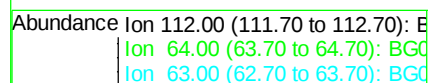
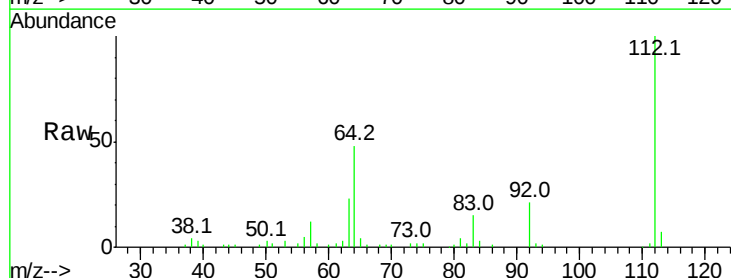
Tgt Ion:112 Resp: 56482

Ion Ratio Lower Upper

112 100

64 48.4 39.3 58.9

63 23.0 18.2 27.4





#7

Phenol-d6

Concen: 28.68 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

Instrument :

BNA_G

ClientSampleId :

TEC-27

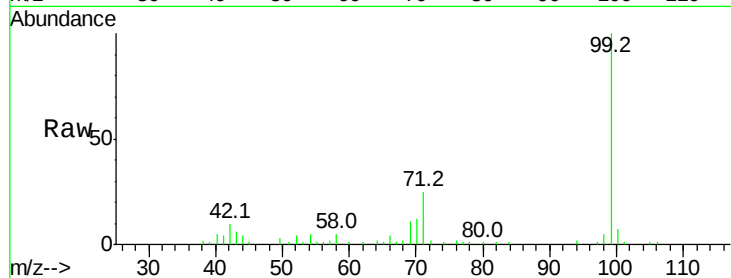
Tot Ion: 99 Resp: 51757

Ion Ratio Lower Upper

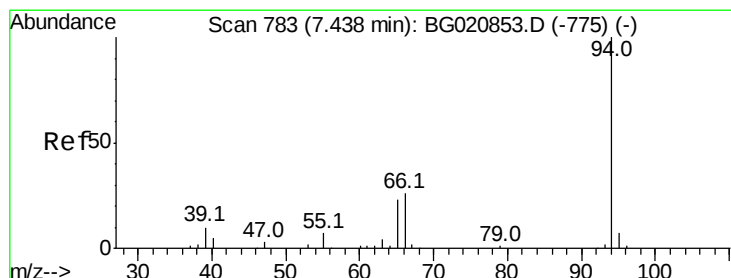
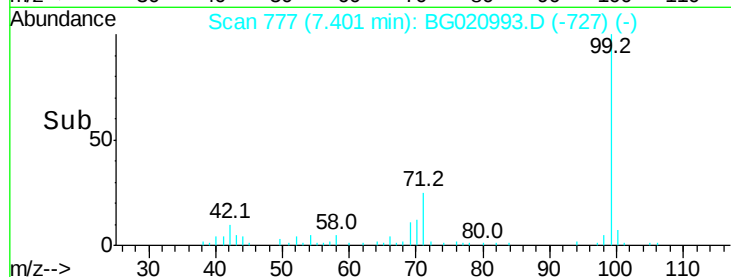
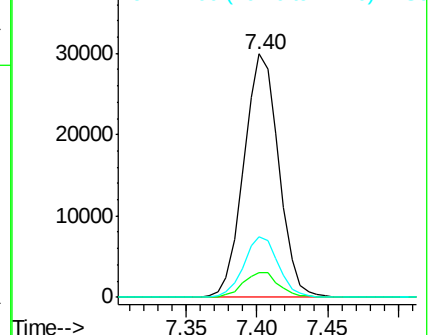
99 100

42 10.2 8.4 12.6

71 25.1 19.4 29.0



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



#10

Phenol

Concen: 13.82 ng

RT: 7.43 min Scan# 782

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

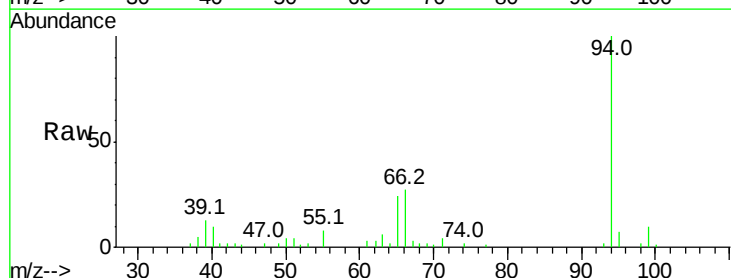
Tgt Ion: 94 Resp: 26404

Ion Ratio Lower Upper

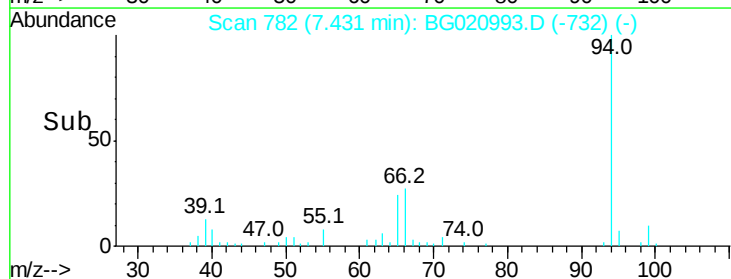
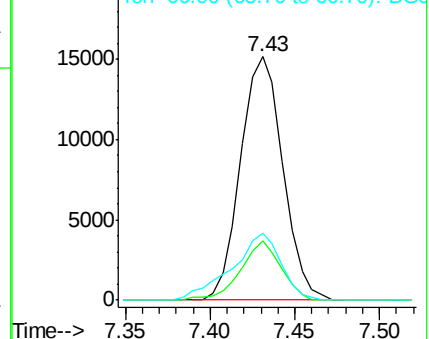
94 100

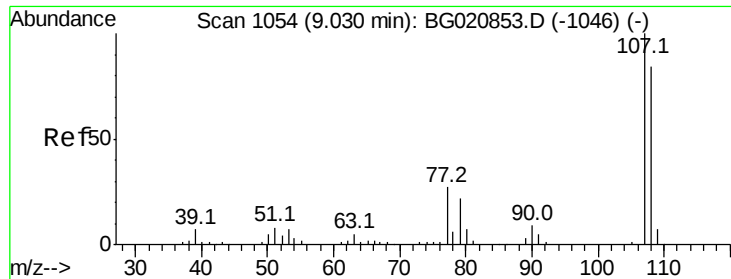
65 24.1 2.8 42.8

66 27.3 7.2 47.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

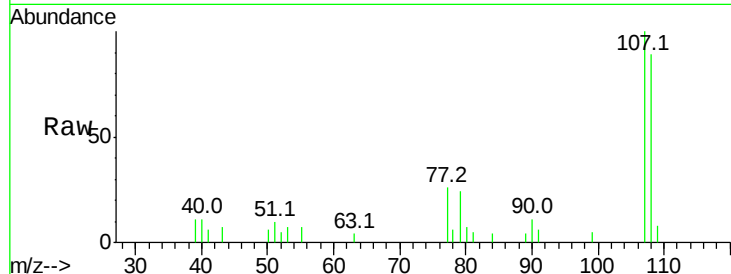




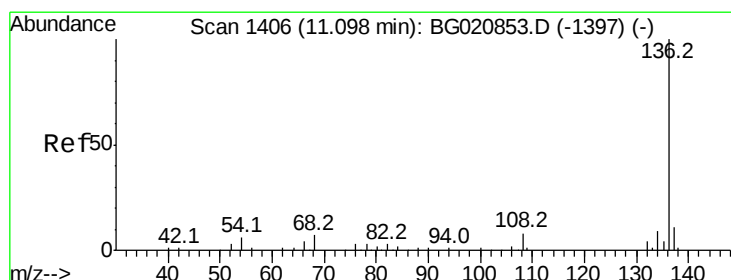
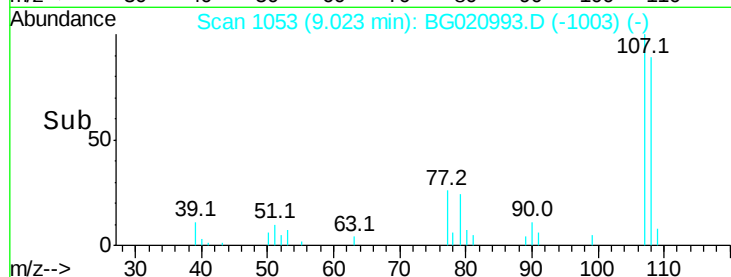
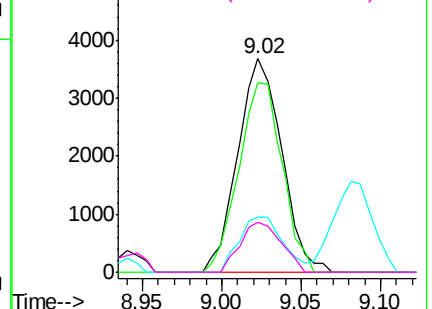
#20
3+4-Methylphenols
Concen: 3.70 ng
RT: 9.02 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG020993.D
Acq: 20 Feb 2016 4:46

Instrument :
BNA_G
ClientSampled :
TEC-27

Tot Ion:	107	Resp:	7093
Ion	Ratio	Lower	Upper
107	100		
108	88.6	64.4	104.4
77	25.8	7.1	47.1
79	23.7	1.9	41.9



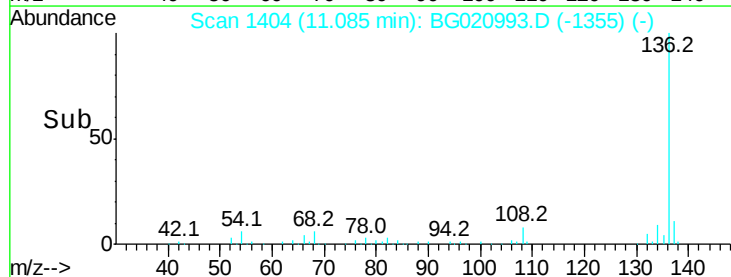
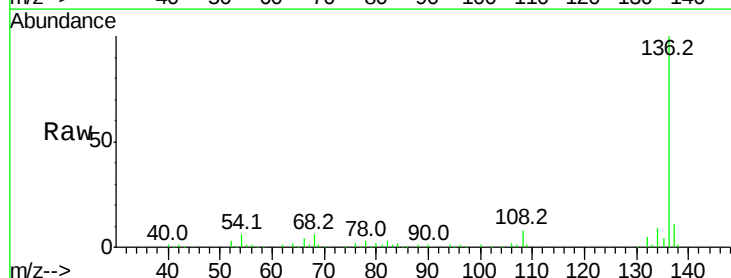
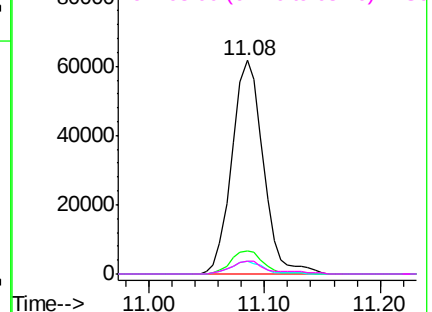
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

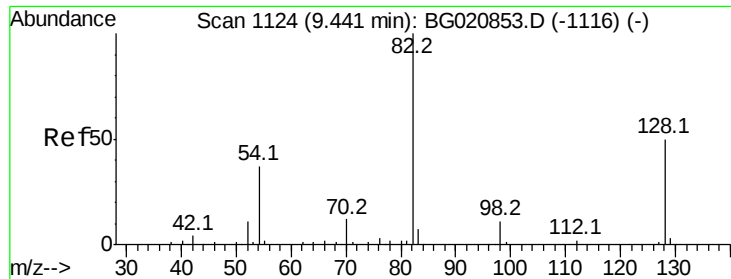


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.08 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BG020993.D
Acq: 20 Feb 2016 4:46

Tgt Ion:	136	Resp:	116045
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	5.9	5.0	7.4
68	5.8	5.2	7.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

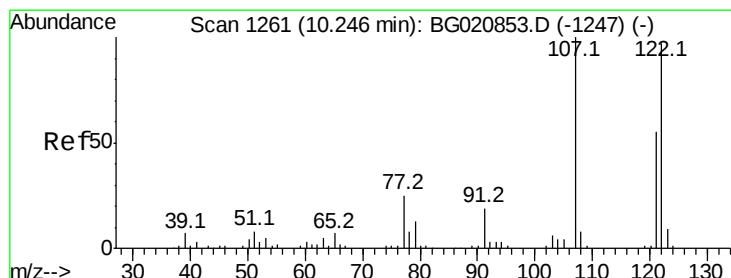
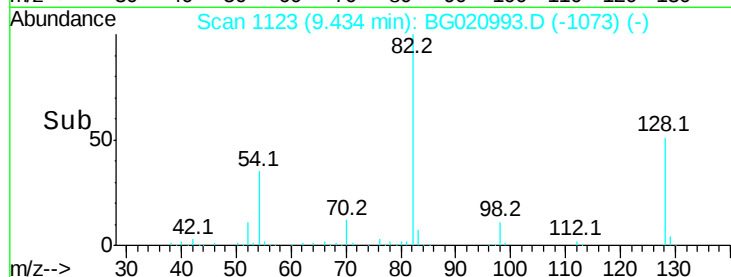
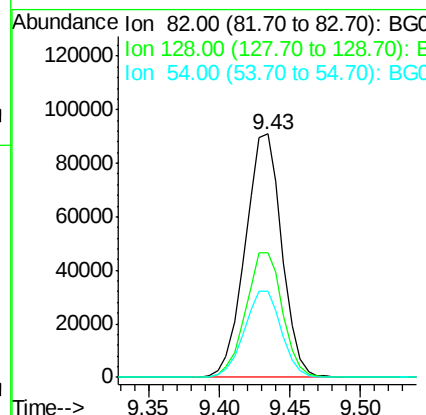
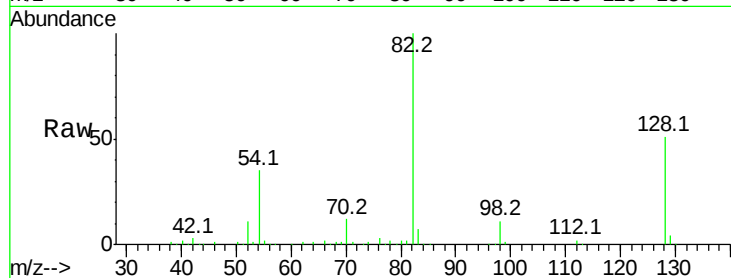




#23
 Nitrobenzene-d5
 Concen: 93.43 ng
 RT: 9.43 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BG020993.D
 Acq: 20 Feb 2016 4:46

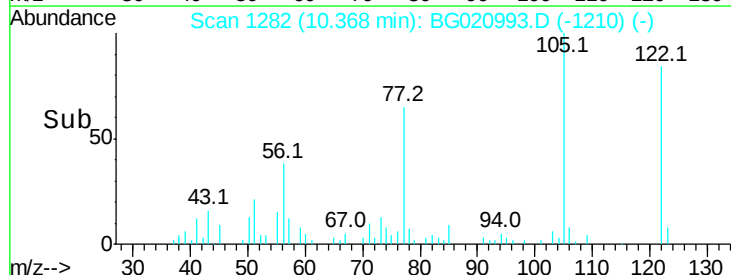
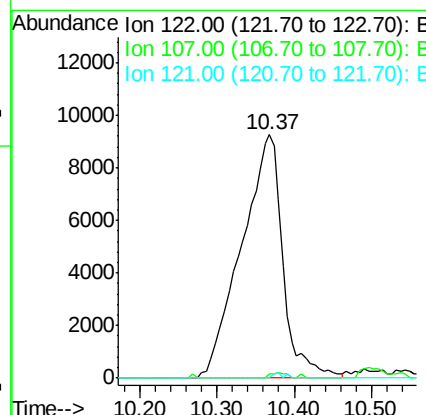
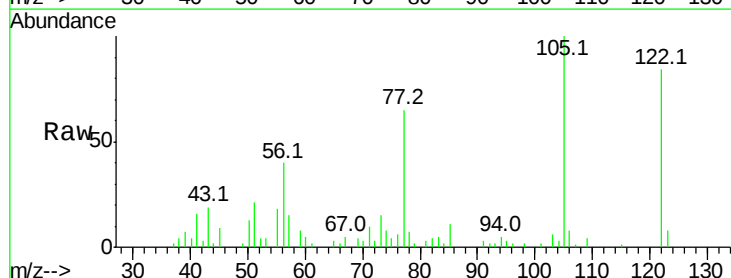
Instrument :
 BNA_G
 ClientSampleId :
 TEC-27

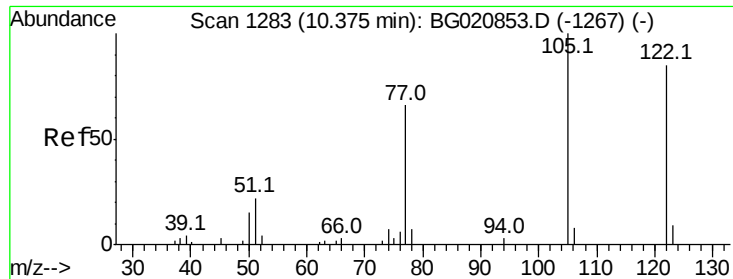
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.1	40.1	60.1
54	35.5	29.5	44.3



#27
 2,4-Dimethylphenol
 Concen: 18.69 ng
 RT: 10.37 min Scan# 1282
 Delta R.T. 0.12 min
 Lab File: BG020993.D
 Acq: 20 Feb 2016 4:46

Tgt Ion	Ratio	Lower	Upper
122	100		
107	1.7	82.6	124.0#
121	0.0	45.6	68.4#

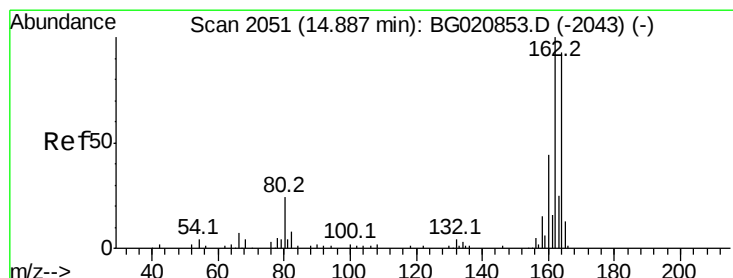
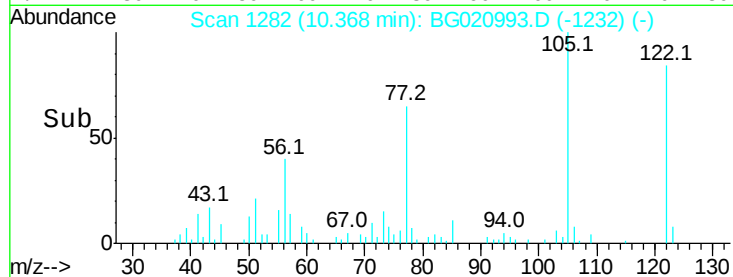
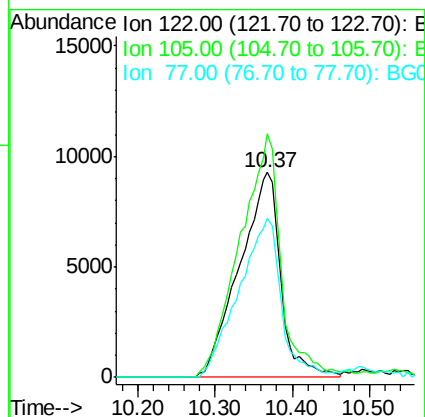
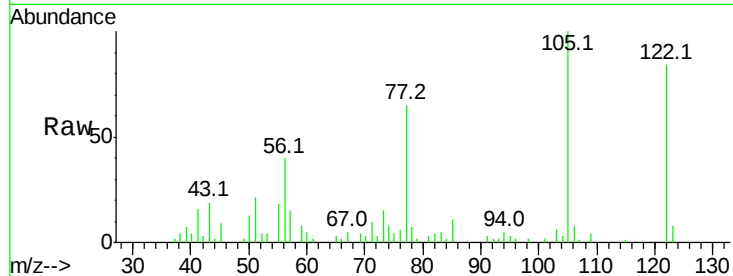




#32
Benzoic acid
Concen: 23.30 ng
RT: 10.37 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BG020993.D
Acq: 20 Feb 2016 4:46

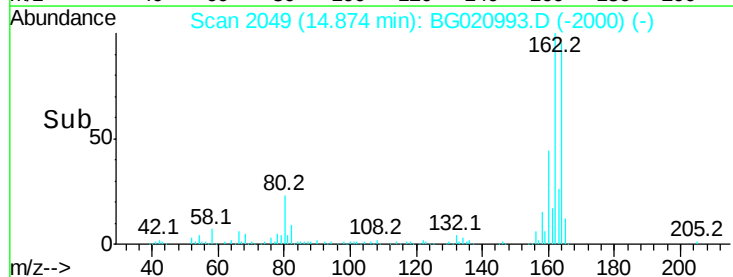
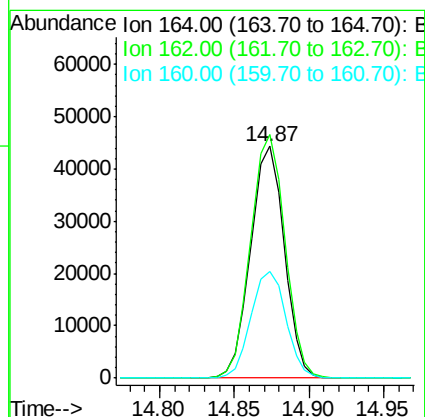
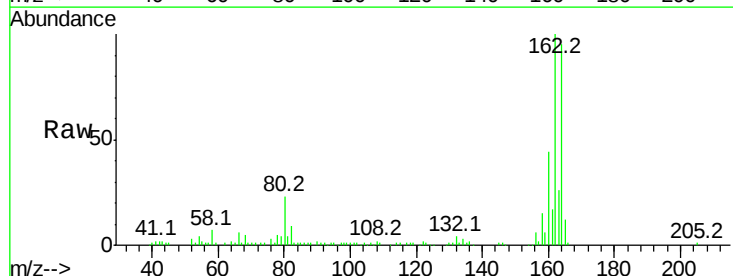
Instrument :
BNA_G
ClientSampleId :
TEC-27

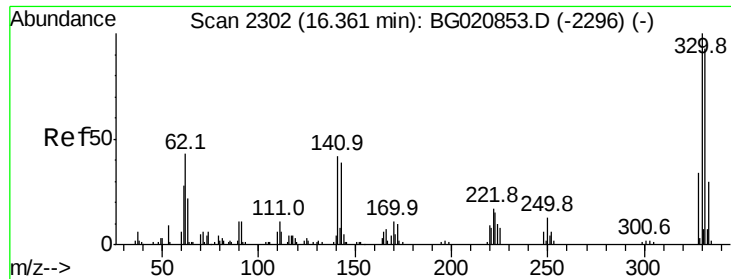
Tot Ion:122 Resp: 34675
Ion Ratio Lower Upper
122 100
105 118.9 94.0 134.0
77 77.7 56.8 96.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.87 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BG020993.D
Acq: 20 Feb 2016 4:46

Tgt Ion:164 Resp: 69235
Ion Ratio Lower Upper
164 100
162 105.0 85.7 128.5
160 46.2 37.4 56.0





#41

2,4,6-Tribromophenol

Concen: 98.59 ng

RT: 16.35 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

Instrument :

BNA_G

ClientSampleId :

TEC-27

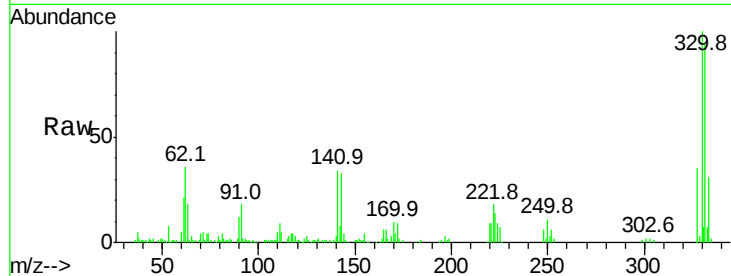
Tot Ion:330 Resp: 67123

Ion Ratio Lower Upper

330 100

332 95.0 76.1 114.1

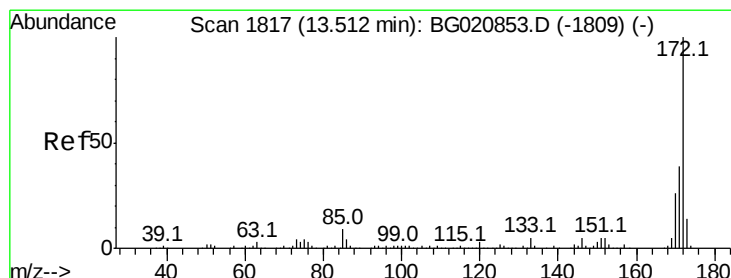
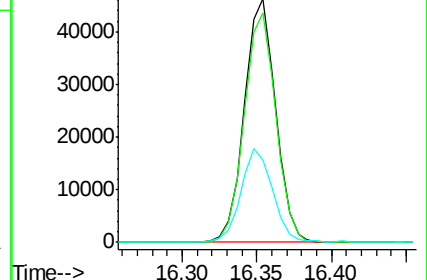
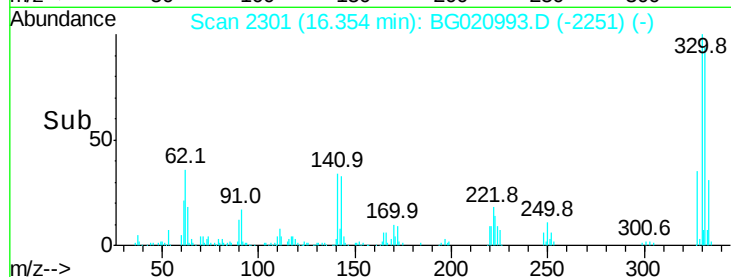
141 39.2 32.0 48.0



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: 96.89 ng

RT: 13.50 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

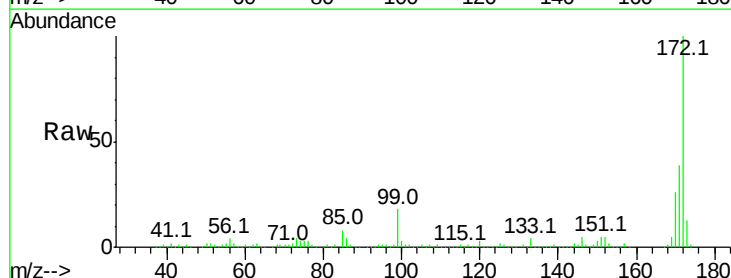
Tgt Ion:172 Resp: 477564

Ion Ratio Lower Upper

172 100

171 39.3 31.2 46.8

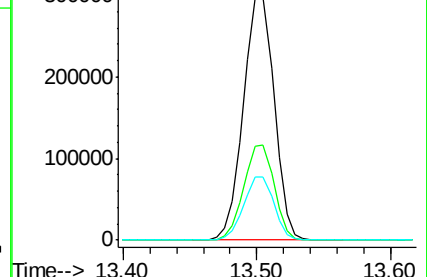
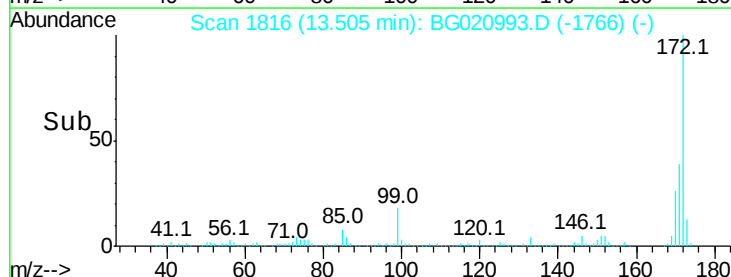
170 26.0 20.6 30.8

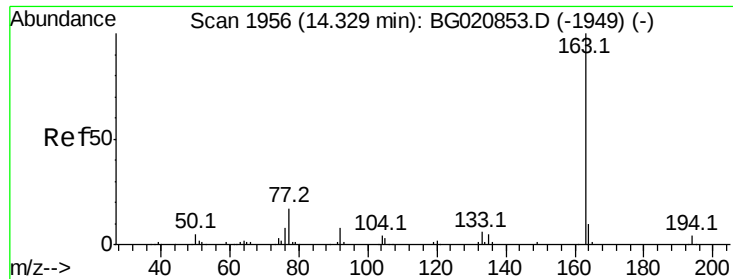


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.94 ng

RT: 14.32 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

Instrument :

BNA_G

ClientSampleId :

TEC-27

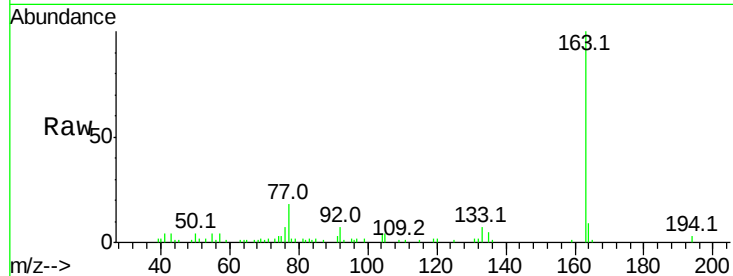
Tot Ion:163 Resp: 21323

Ion Ratio Lower Upper

163 100

194 3.0 3.1 4.7#

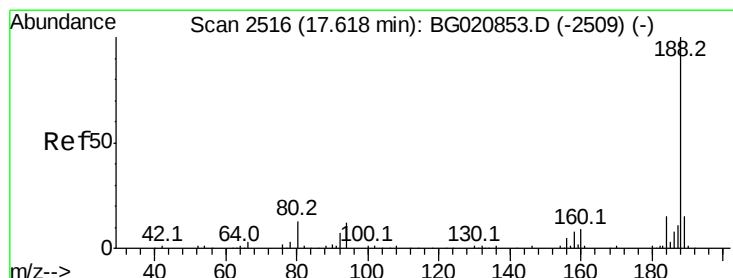
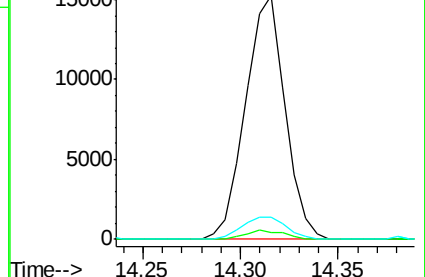
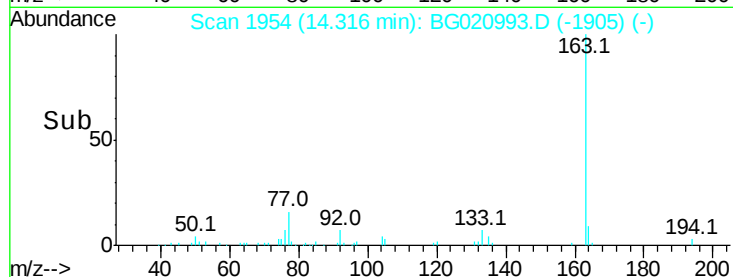
164 9.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.61 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

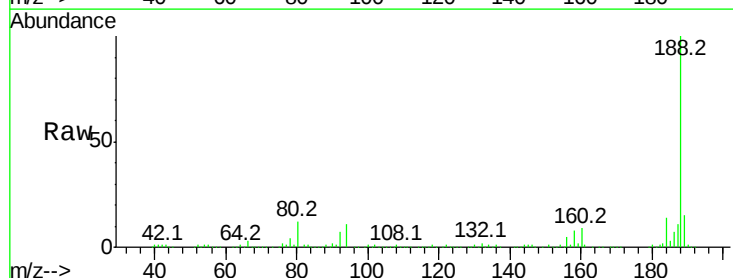
Tgt Ion:188 Resp: 134449

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.0

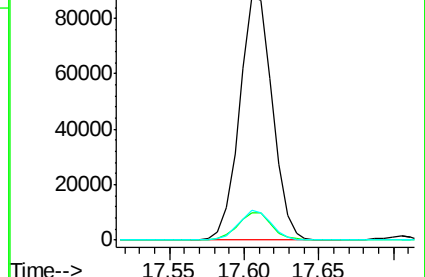
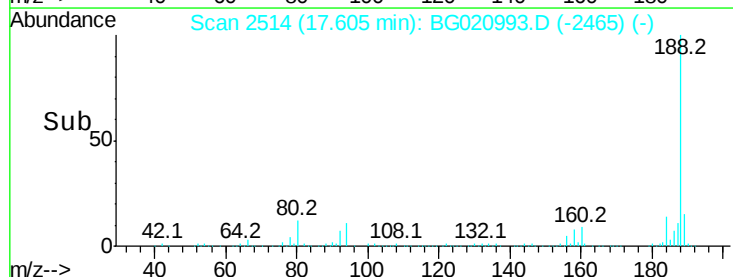
80 12.1 10.2 15.4

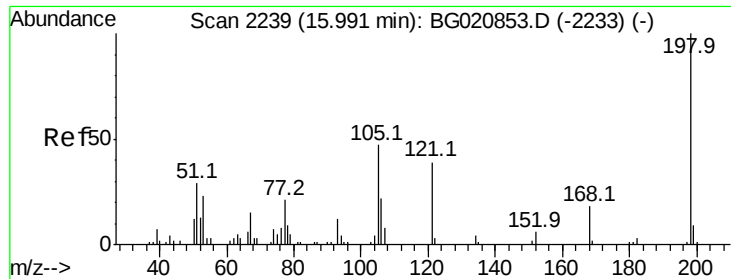


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 5.60 ng

RT: 16.21 min Scan# 2276

Delta R.T. 0.22 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

Instrument :

BNA_G

ClientSampled :

TEC-27

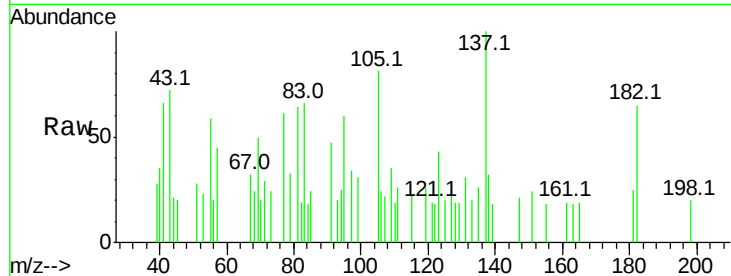
Tot Ion:198 Resp: 63

Ion Ratio Lower Upper

198 100

51 134.8 10.6 50.6#

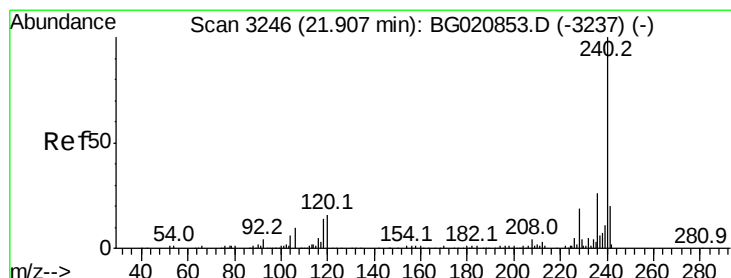
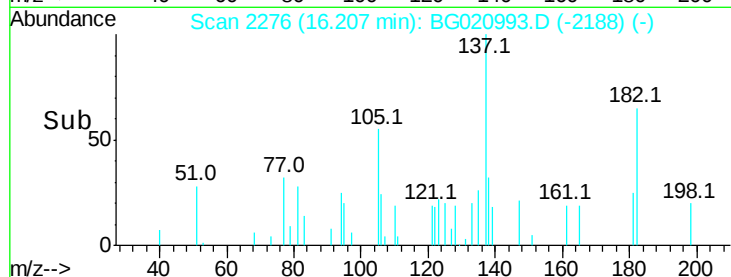
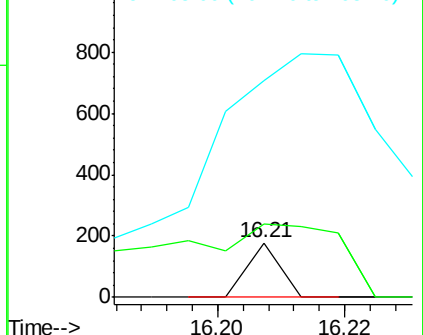
105 396.1 27.0 67.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. -0.02 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

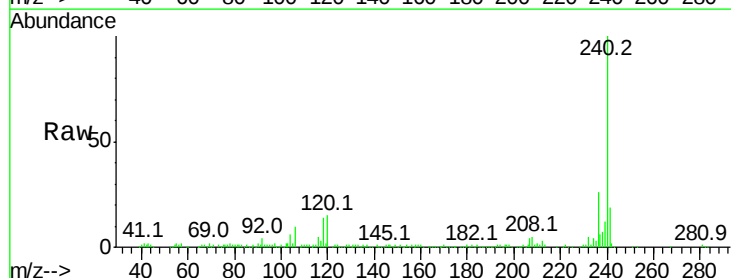
Tgt Ion:240 Resp: 123981

Ion Ratio Lower Upper

240 100

120 15.4 13.0 19.4

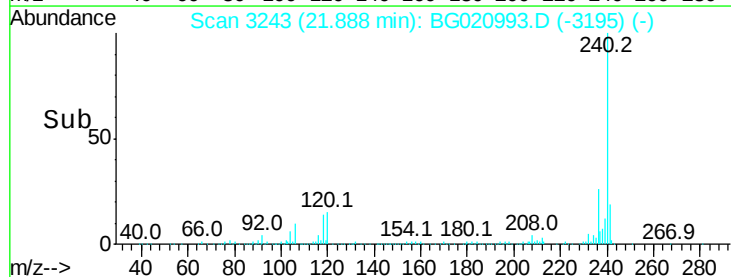
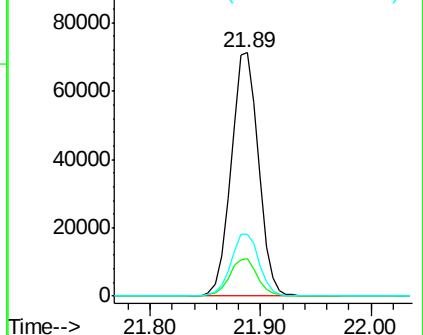
236 25.6 21.0 31.4

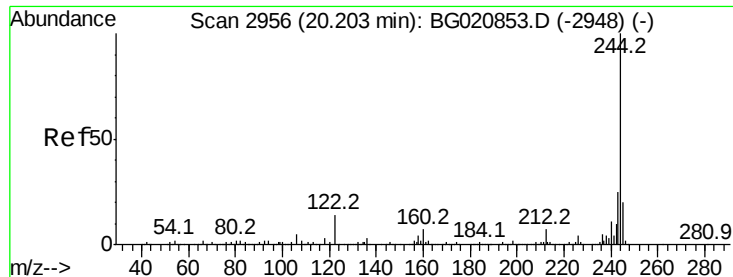


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 95.72 ng

RT: 20.19 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

Instrument :

BNA_G

ClientSampled :

TEC-27

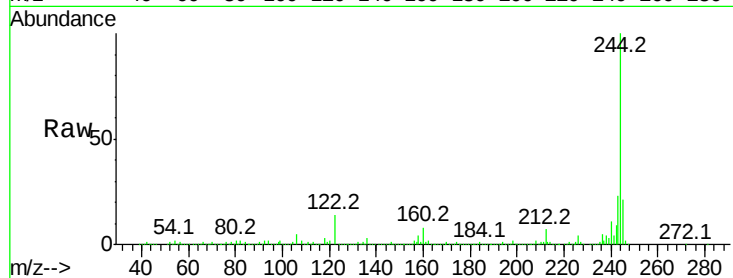
Tot Ion:244 Resp: 508720

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

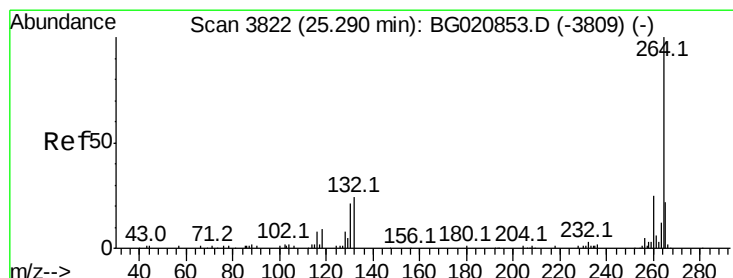
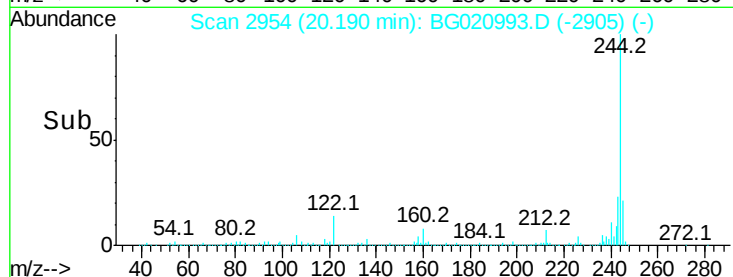
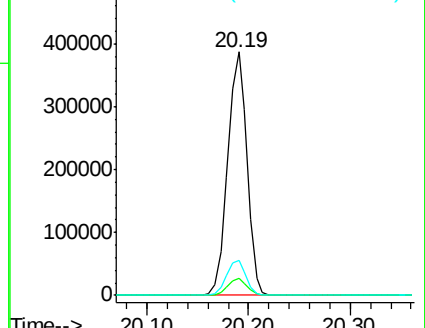
122 14.2 11.4 17.2



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: 20.00 ng

RT: 25.25 min Scan# 3816

Delta R.T. -0.04 min

Lab File: BG020993.D

Acq: 20 Feb 2016 4:46

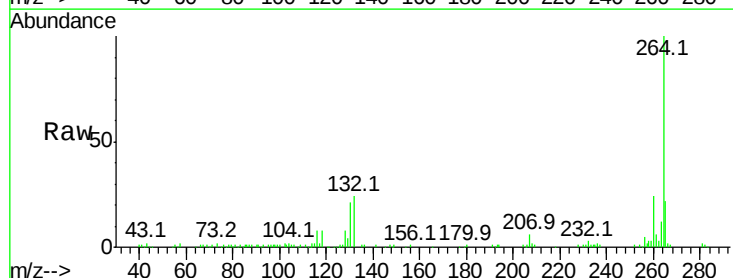
Tgt Ion:264 Resp: 120000

Ion Ratio Lower Upper

264 100

260 23.7 19.9 29.9

265 21.5 18.0 27.0



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

