

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092717\
 Data File : BG028952.D
 Acq On : 27 Sep 2017 21:04
 Operator : SJ/JU
 Sample : I5436-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OILY-GRAVEL

Quant Time: Sep 28 01:28:06 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

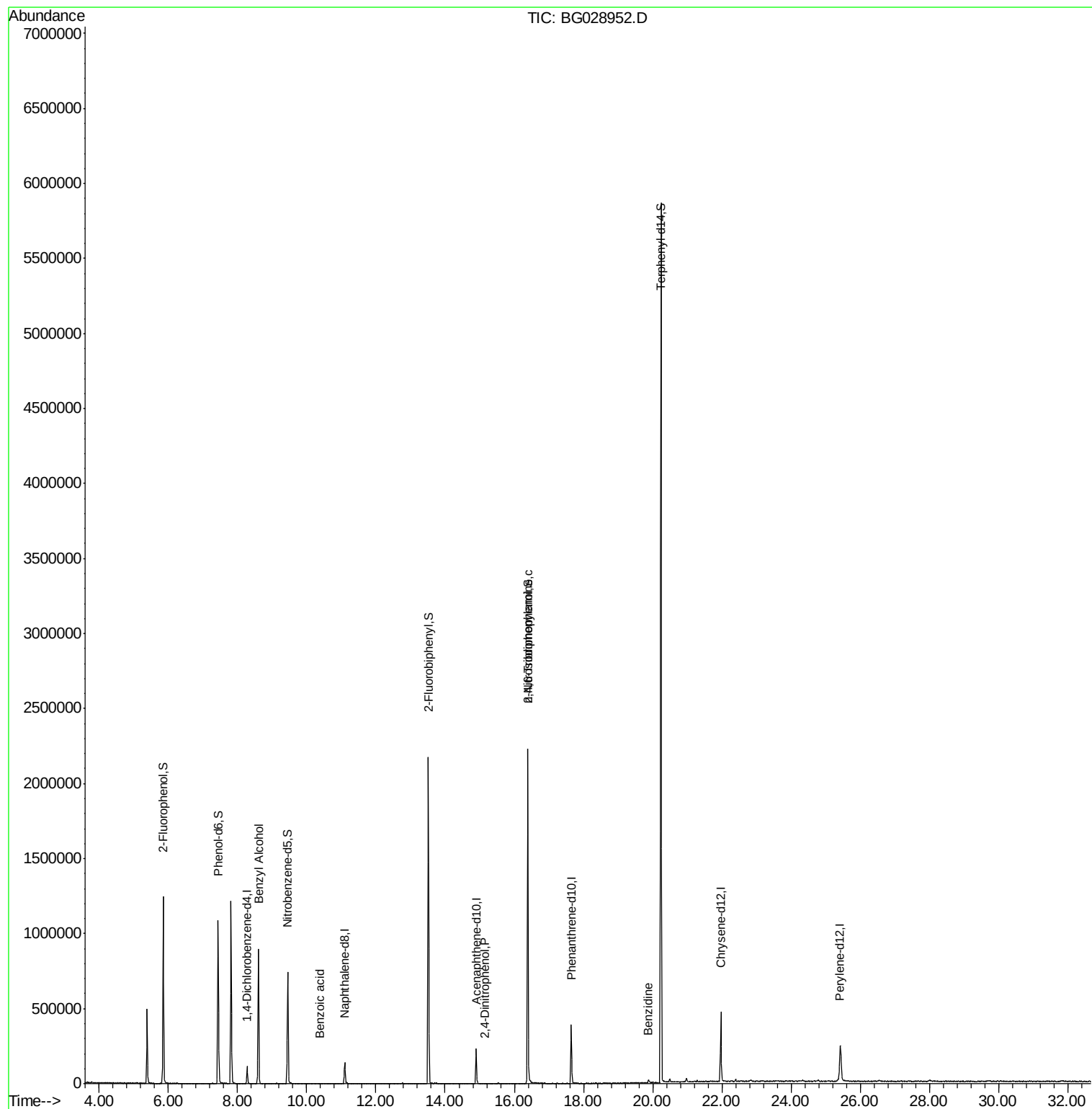
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	30998	20.00	ng	-0.05
21) Naphthalene-d8	11.10	136	122207	20.00	ng	-0.05
38) Acenaphthene-d10	14.89	164	86135	20.00	ng	-0.05
63) Phenanthrene-d10	17.64	188	265442	20.00	ng	-0.05
75) Chrysene-d12	21.97	240	328816	20.00	ng	-0.06
86) Perylene-d12	25.42	264	324903	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	512804	272.97	ng	-0.05
7) Phenol-d6	7.44	99	656366	232.06	ng	-0.05
23) Nitrobenzene-d5	9.45	82	473295	185.27	ng	-0.05
41) 2,4,6-Tribromophenol	16.39	330	501984	352.36	ng	-0.05
44) 2-Fluorobiphenyl	13.52	172	1221713	189.13	ng	-0.05
78) Terphenyl-d14	20.24	244	2765159	179.34	ng	-0.04
Target Compounds						
15) Benzyl Alcohol	8.61	79	8267	3.744	ng	# 33
32) Benzoic acid	10.39	122	63	6.121	ng	# 1
53) 2,4-Dinitrophenol	15.13	184	61	8.066	ng	# 15
65) n-Nitrosodiphenylamine	16.39	169	15461	2.032	ng	# 49
76) Benzidine	19.88	184	17118	2.008	ng	# 87

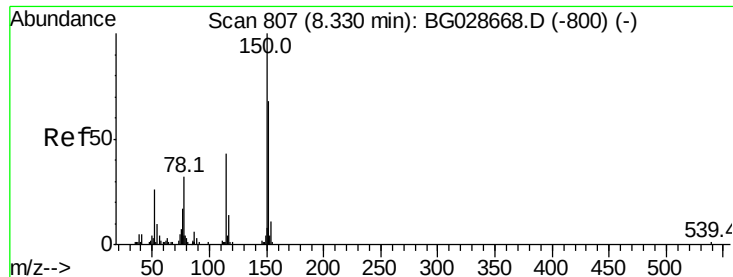
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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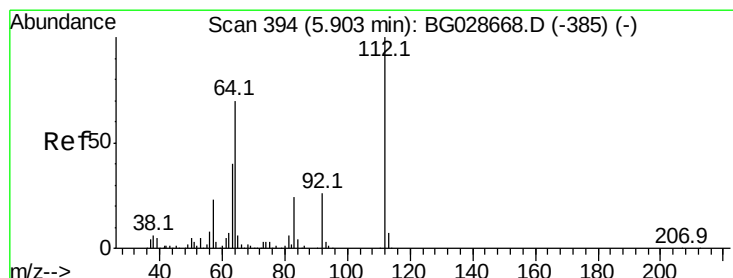
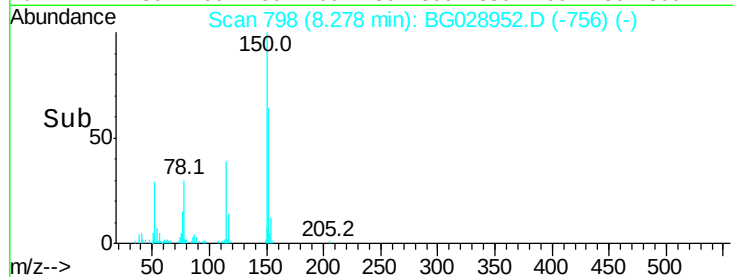
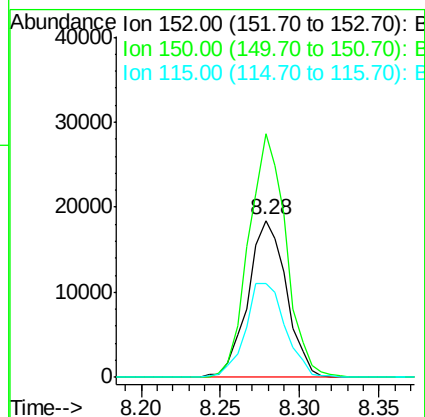
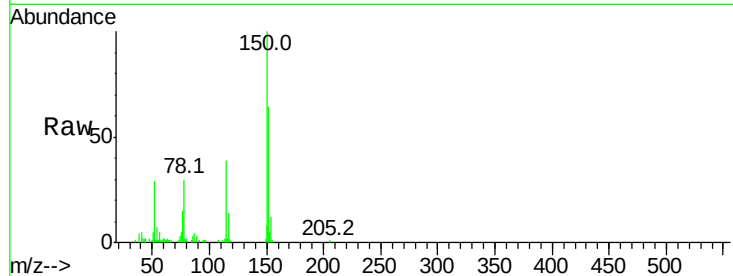


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.28 min Scan# 798
Delta R.T. -0.05 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

Instrument :
BNA_G
ClientSampleId :
OILY-GRAVEL

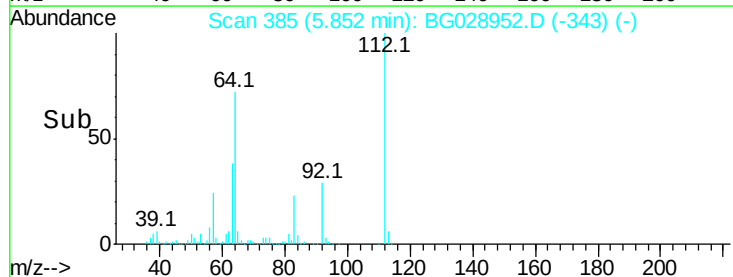
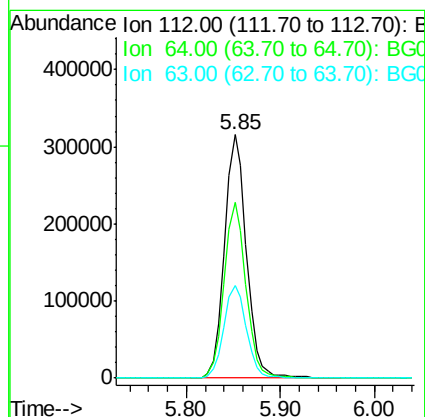
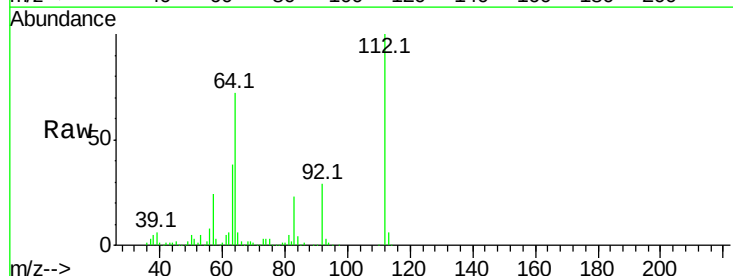
Tot Ion	152	Resp	30998
Ion	Ratio	Lower	Upper
152	100		
150	155.2	114.0	171.0
115	60.0	48.1	72.1

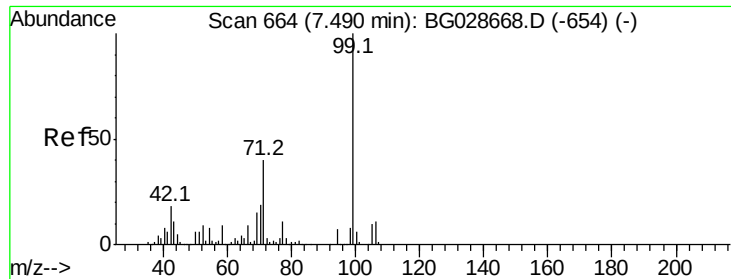


#5

2-Fluorophenol
Concen: 272.970 ng
RT: 5.85 min Scan# 385
Delta R.T. -0.05 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

Tgt Ion	112	Resp	512804
Ion	Ratio	Lower	Upper
112	100		
64	72.1	61.8	92.6
63	37.8	37.2	55.8





#7

Phenol-d6

Concen: 232.056 ng

RT: 7.44 min Scan# 655

Delta R.T. -0.05 min

Lab File: BG028952.D

Acq: 27 Sep 2017 21:04

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

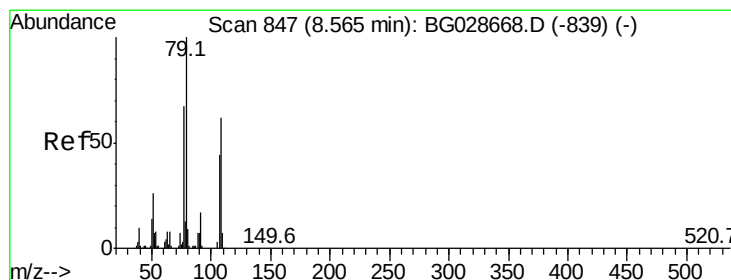
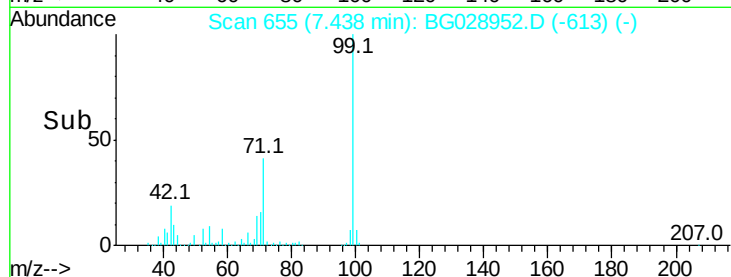
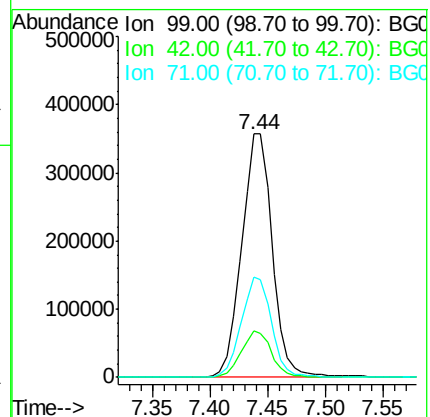
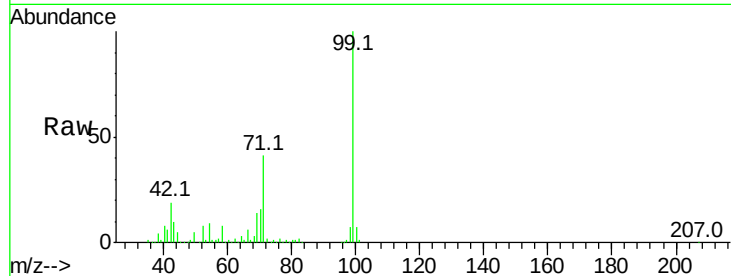
Tot Ion: 99 Resp: 656366

Ion Ratio Lower Upper

99 100

42 18.9 20.5 30.7#

71 41.4 37.6 56.4



#15

Benzyl Alcohol

Concen: 3.744 ng

RT: 8.61 min Scan# 854

Delta R.T. 0.04 min

Lab File: BG028952.D

Acq: 27 Sep 2017 21:04

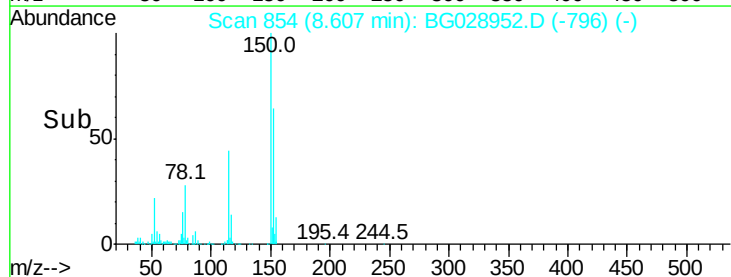
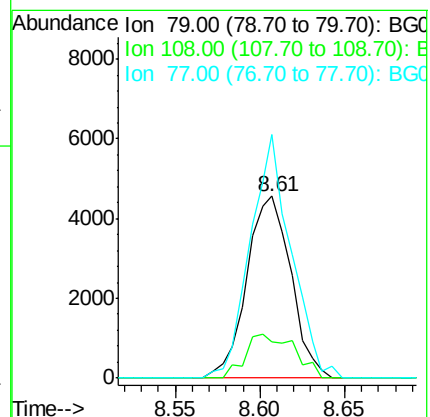
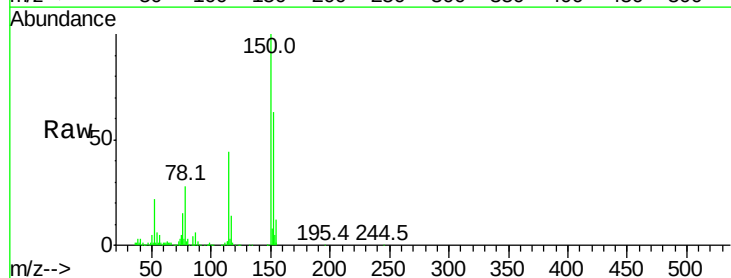
Tgt Ion: 79 Resp: 8267

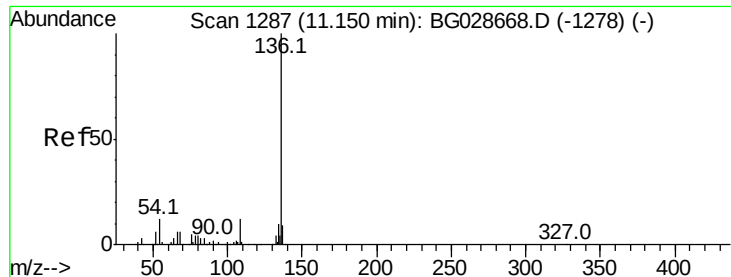
Ion Ratio Lower Upper

79 100

108 19.6 45.5 68.3#

77 133.7 54.3 81.5#

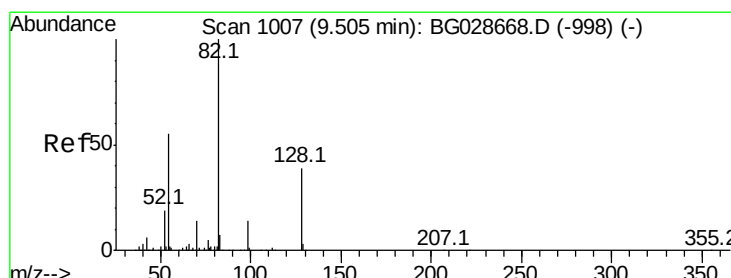
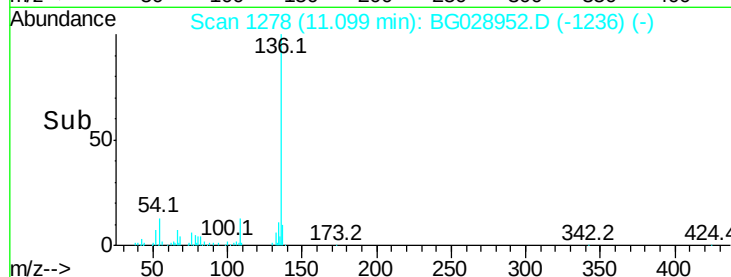
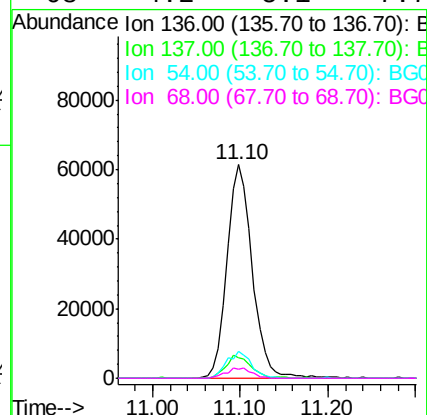
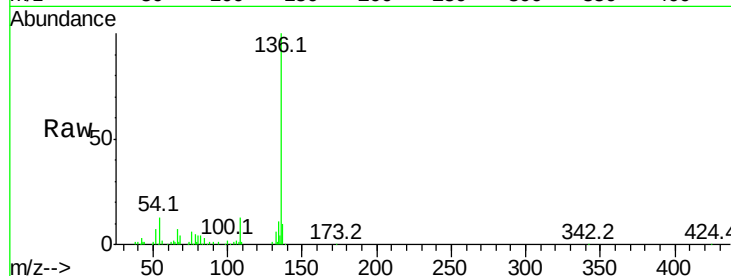




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.10 min Scan# 1278
Delta R.T. -0.05 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

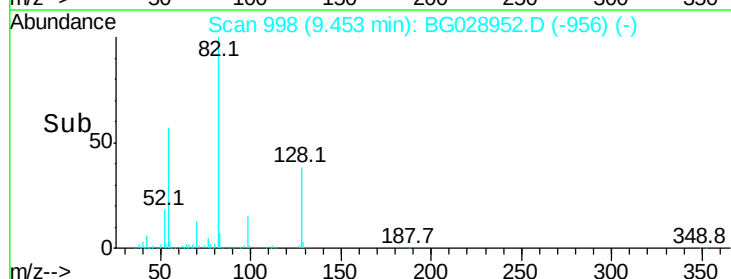
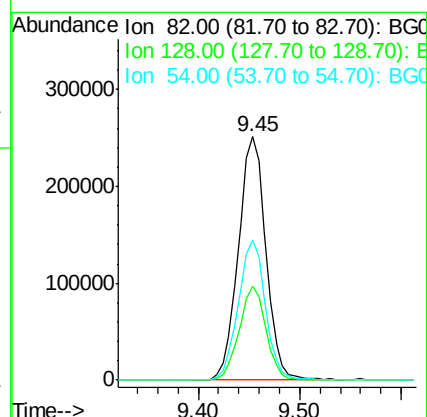
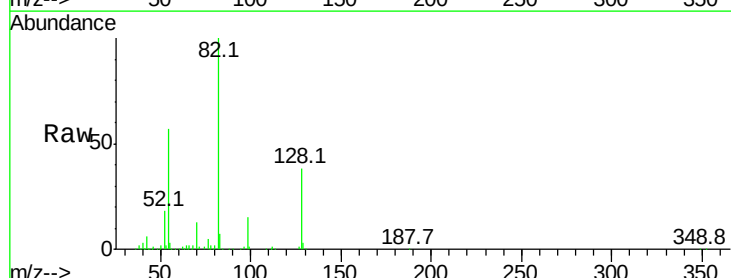
Instrument :
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ClientSampleId :
OILY-GRAVEL

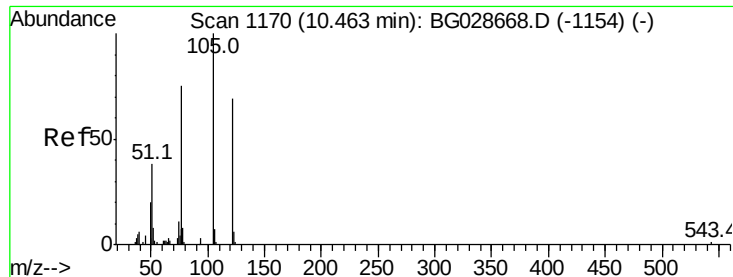
Tot Ion:136	Resp:	122207
Ion	Ratio	Lower Upper
136	100	
137	9.8	8.9 13.3
54	12.5	9.3 13.9
68	4.2	5.1 7.7#



#23
Nitrobenzene-d5
Concen: 185.269 ng
RT: 9.45 min Scan# 998
Delta R.T. -0.05 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

Tgt Ion: 82	Resp:	473295
Ion	Ratio	Lower Upper
82	100	
128	38.5	26.4 39.6
54	57.4	49.4 74.2

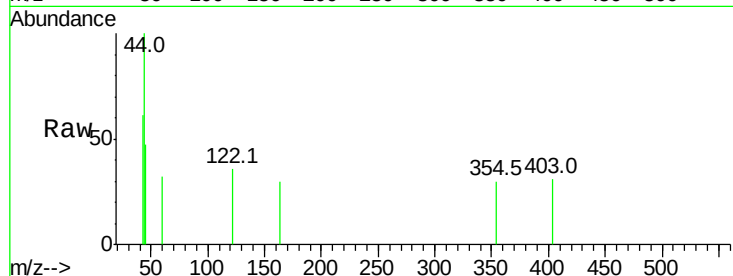




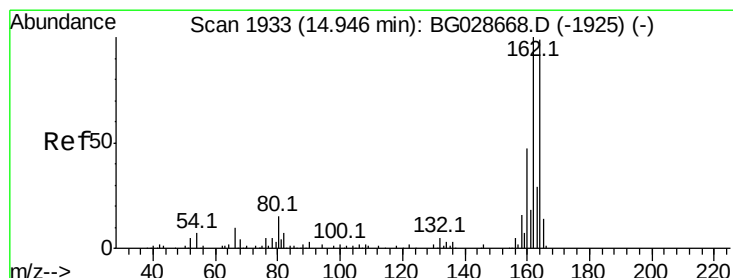
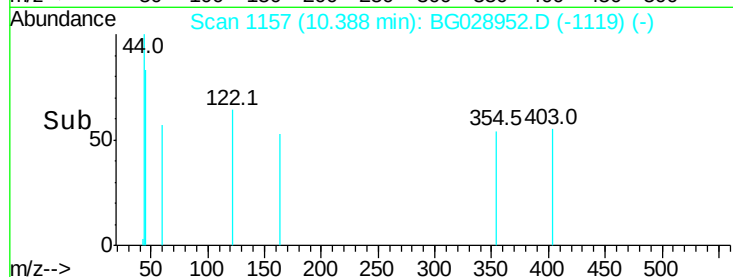
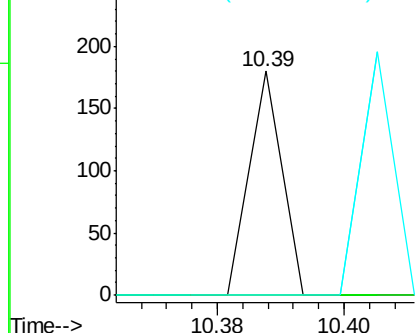
#32
Benzoic acid
Concen: 6.121 ng
RT: 10.39 min Scan# 1157
Delta R.T. -0.07 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

Instrument :
BNA_G
ClientSampleId :
OILY-GRAVEL

Tot Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 120.1 160.1#
77 0.0 104.6 144.6#

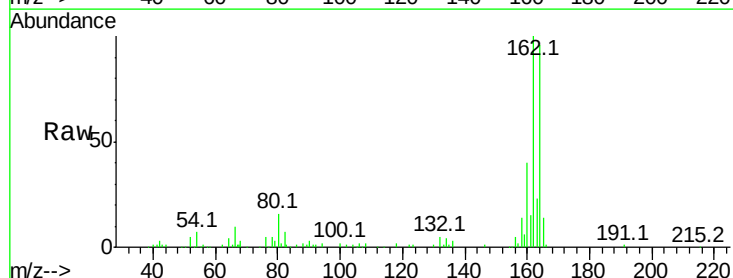


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

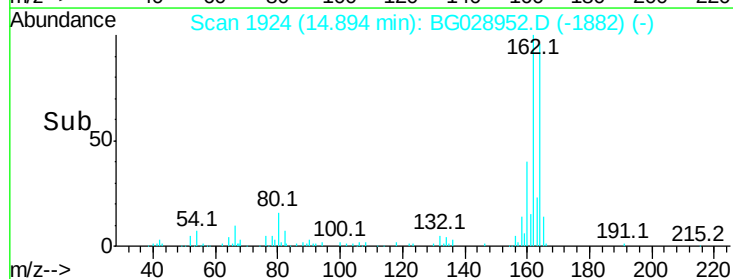
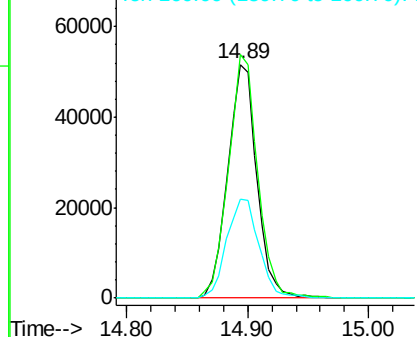


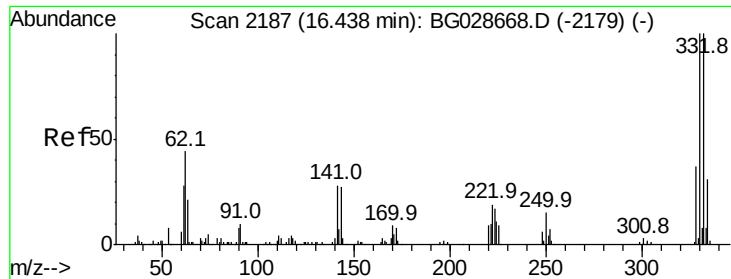
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.89 min Scan# 1924
Delta R.T. -0.05 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

Tgt Ion:164 Resp: 86135
Ion Ratio Lower Upper
164 100
162 104.3 85.1 127.7
160 42.2 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

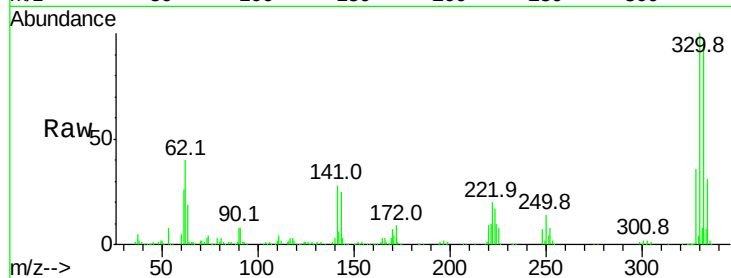




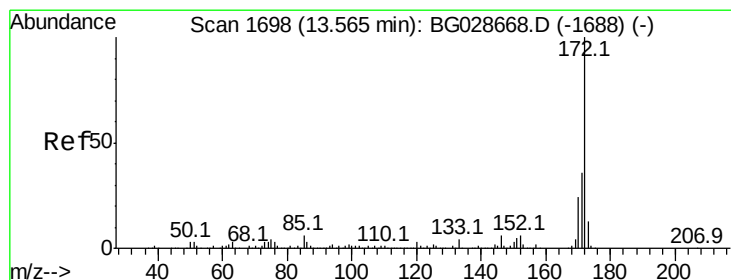
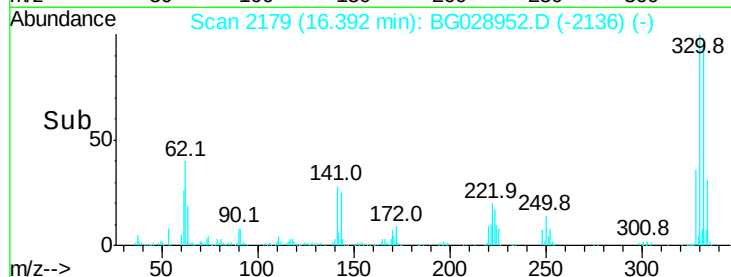
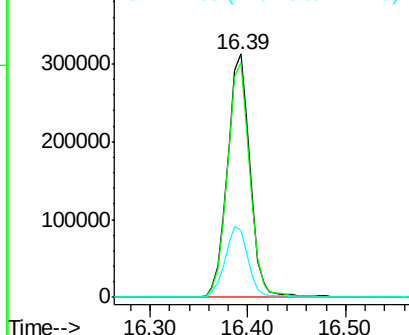
#41
 2,4,6-Tribromophenol
 Concen: 352.363 ng
 RT: 16.39 min Scan# 2179
 Delta R.T. -0.05 min
 Lab File: BG028952.D
 Acq: 27 Sep 2017 21:04

Instrument :
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 ClientSampleId :
 OILY-GRAVEL

Tot Ion:330 Resp: 501984
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.3 115.9
 141 30.1 32.1 48.1#

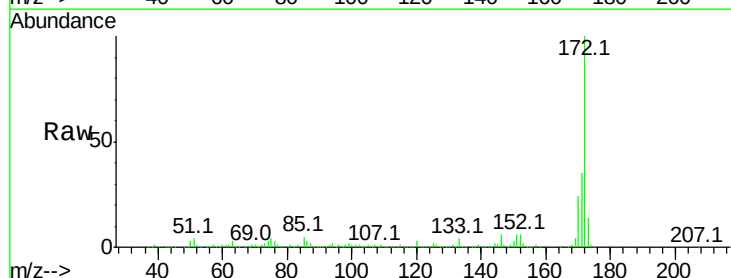


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

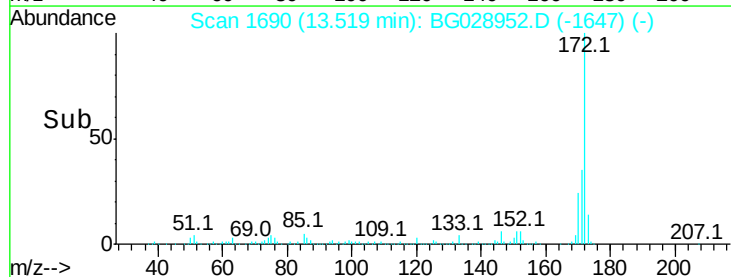
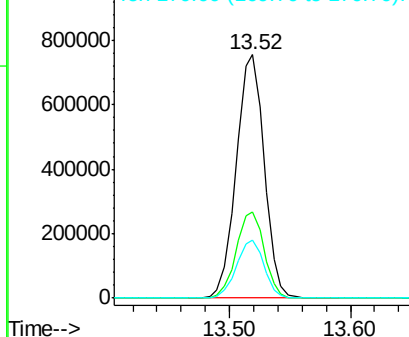


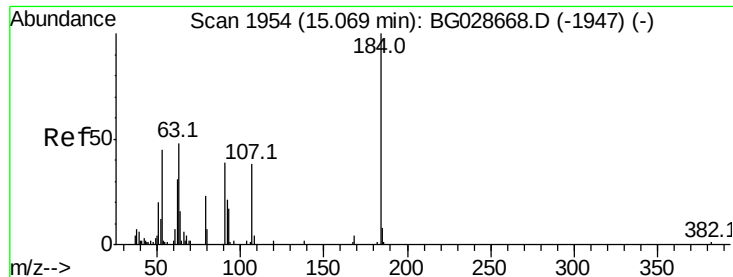
#44
 2-Fluorobiphenyl
 Concen: 189.129 ng
 RT: 13.52 min Scan# 1690
 Delta R.T. -0.05 min
 Lab File: BG028952.D
 Acq: 27 Sep 2017 21:04

Tgt Ion:172 Resp: 1221713
 Ion Ratio Lower Upper
 172 100
 171 35.5 32.2 48.2
 170 23.8 21.8 32.6



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

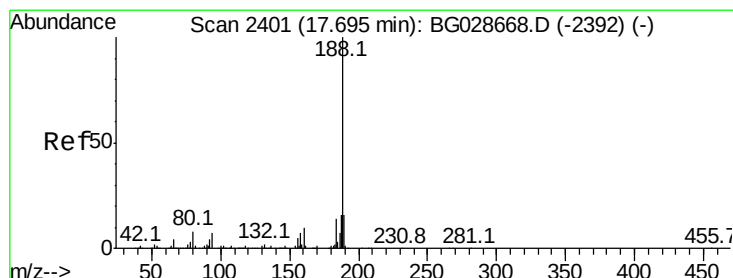
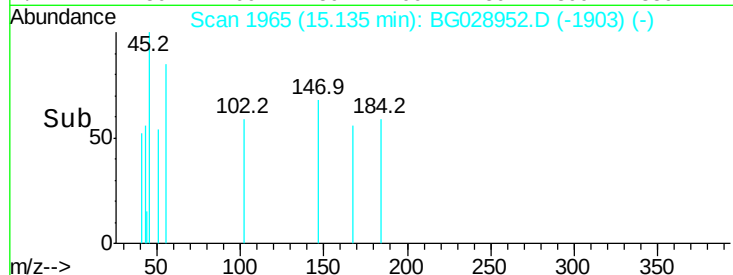
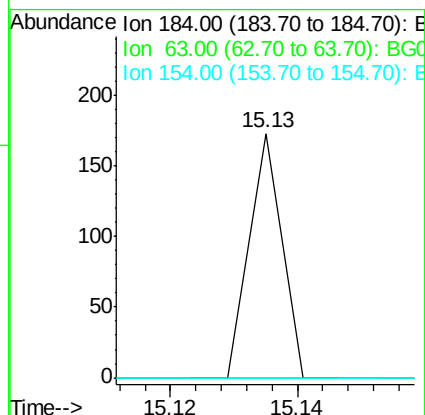
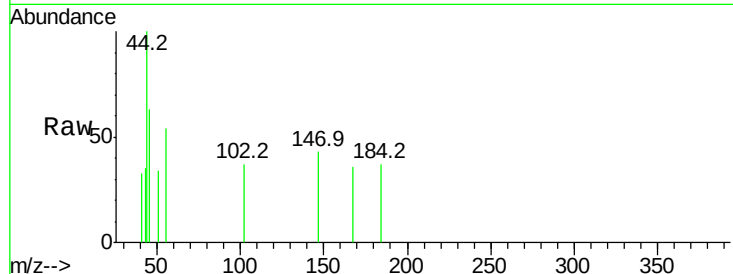




#53
2,4-Dinitrophenol
Concen: 8.066 ng
RT: 15.13 min Scan# 1965
Delta R.T. 0.07 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

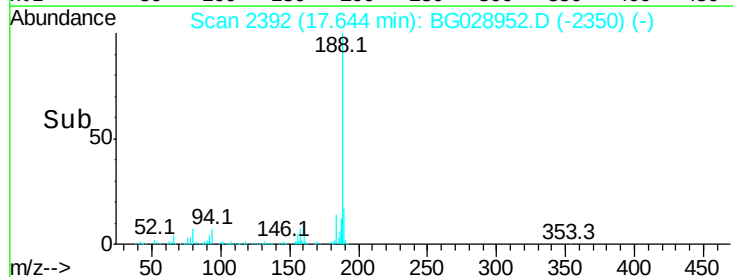
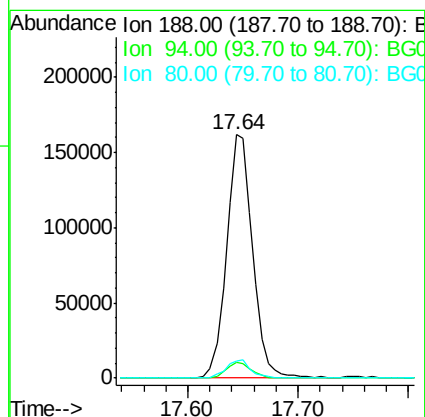
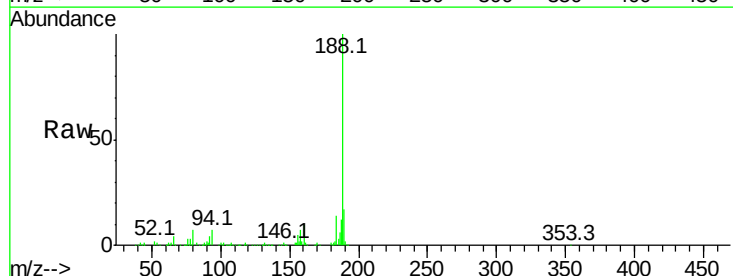
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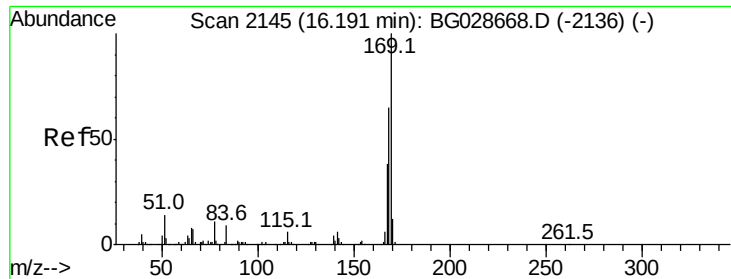
Tot Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 52.7 79.1#
154 0.0 57.3 85.9#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2392
Delta R.T. -0.05 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

Tgt Ion:188 Resp: 265442
Ion Ratio Lower Upper
188 100
94 6.5 5.8 8.8
80 7.1 7.5 11.3#





#65

n-Nitrosodiphenylamine

Concen: 2.032 ng

RT: 16.39 min Scan# 2178

Delta R.T. 0.20 min

Lab File: BG028952.D

Acq: 27 Sep 2017 21:04

Instrument :

BNA_G

ClientSampleId :

OILY-GRAVEL

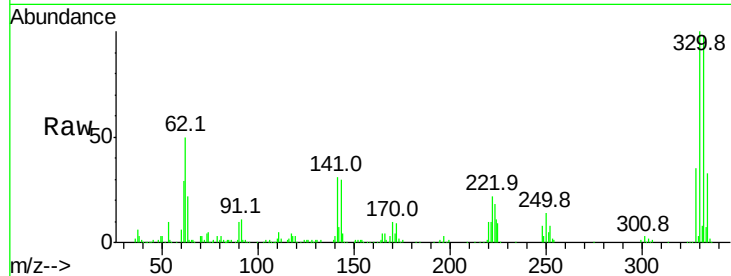
Tot Ion:169 Resp: 15461

Ion Ratio Lower Upper

169 100

168 5.7 55.7 83.5#

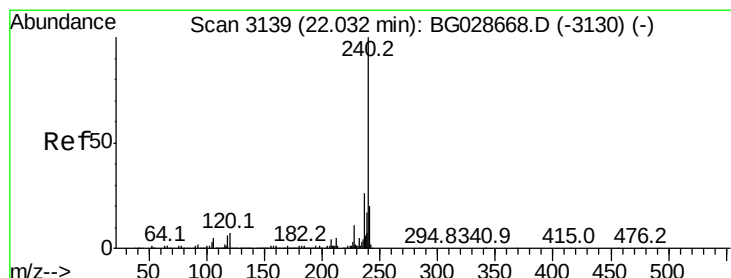
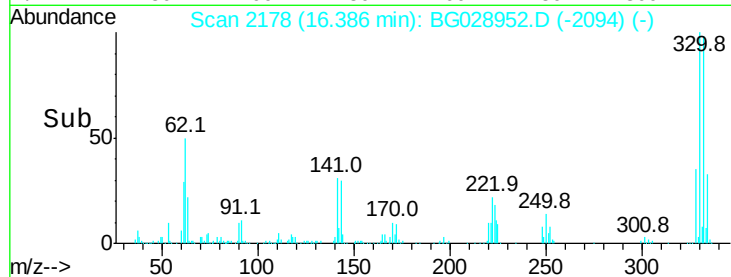
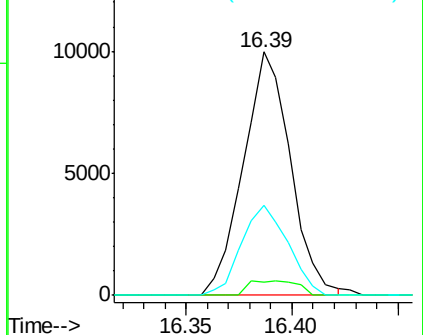
167 37.0 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.97 min Scan# 3128

Delta R.T. -0.06 min

Lab File: BG028952.D

Acq: 27 Sep 2017 21:04

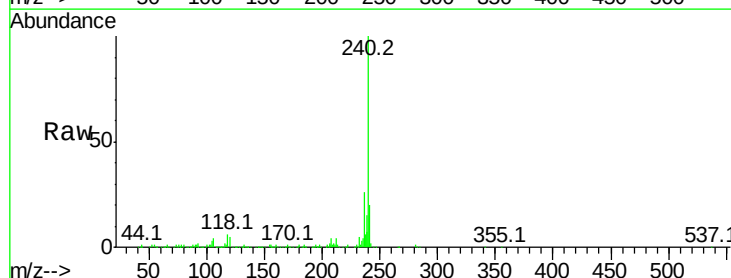
Tgt Ion:240 Resp: 328816

Ion Ratio Lower Upper

240 100

120 5.3 5.7 8.5#

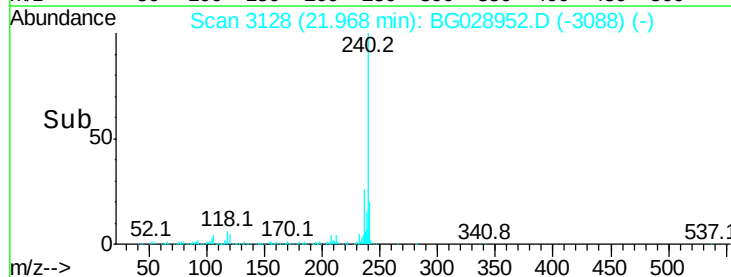
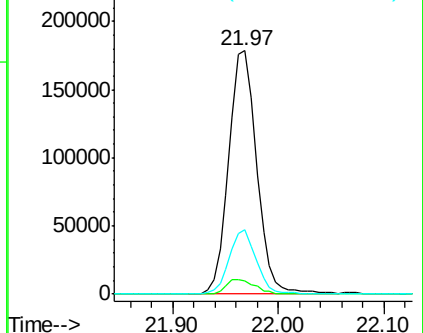
236 26.3 22.2 33.4

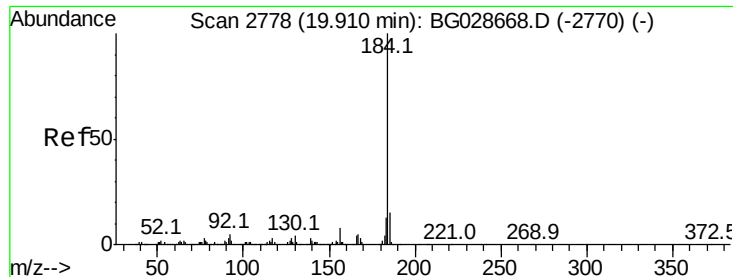


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.008 ng

RT: 19.88 min Scan# 2772

Delta R.T. -0.03 min

Lab File: BG028952.D

Acq: 27 Sep 2017 21:04

Instrument :

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ClientSampleId :

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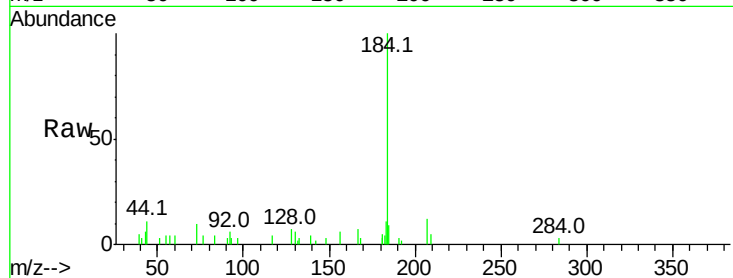
Tot Ion:184 Resp: 17118

Ion Ratio Lower Upper

184 100

185 9.1 13.0 19.6#

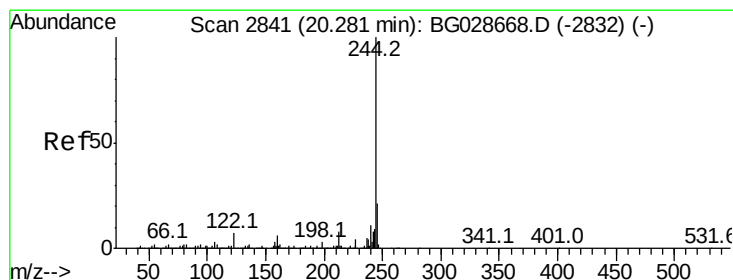
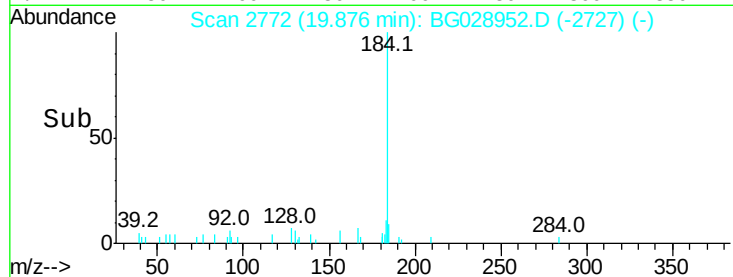
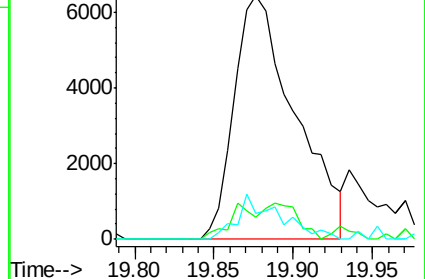
183 10.7 11.0 16.6#



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: 179.337 ng

RT: 20.24 min Scan# 2834

Delta R.T. -0.04 min

Lab File: BG028952.D

Acq: 27 Sep 2017 21:04

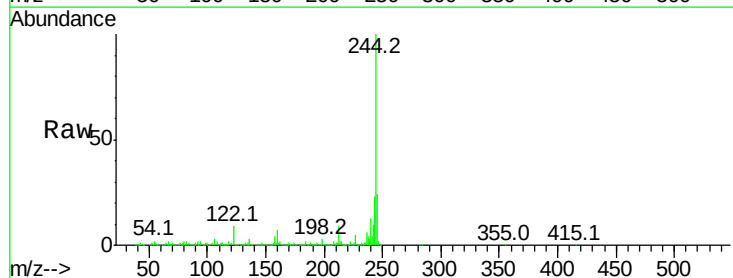
Tgt Ion:244 Resp: 2765159

Ion Ratio Lower Upper

244 100

212 9.2 10.0 15.0#

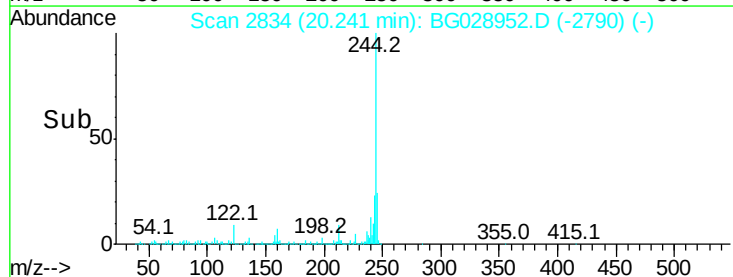
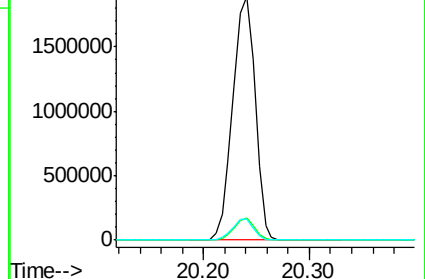
122 8.7 8.6 12.8

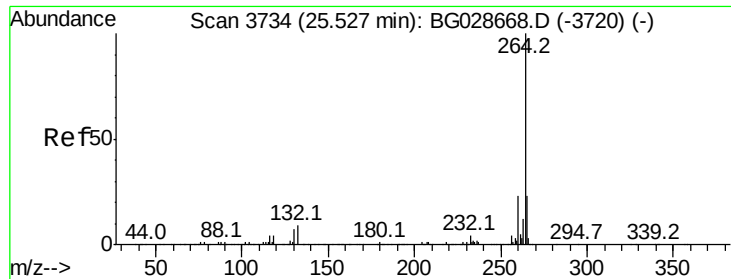


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.42 min Scan# 3716
Delta R.T. -0.10 min
Lab File: BG028952.D
Acq: 27 Sep 2017 21:04

Instrument :
BNA_G
ClientSampleId :
OILY-GRAVEL

Tot Ion:	264	Resp:	324903
Ion	Ratio	Lower	Upper
264	100		
260	22.9	21.8	32.8
265	20.0	18.2	27.4

