

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033372.D
 Acq On : 27 Mar 2018 21:28
 Operator : SJ/JU
 Sample : J2038-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 07:56:52 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

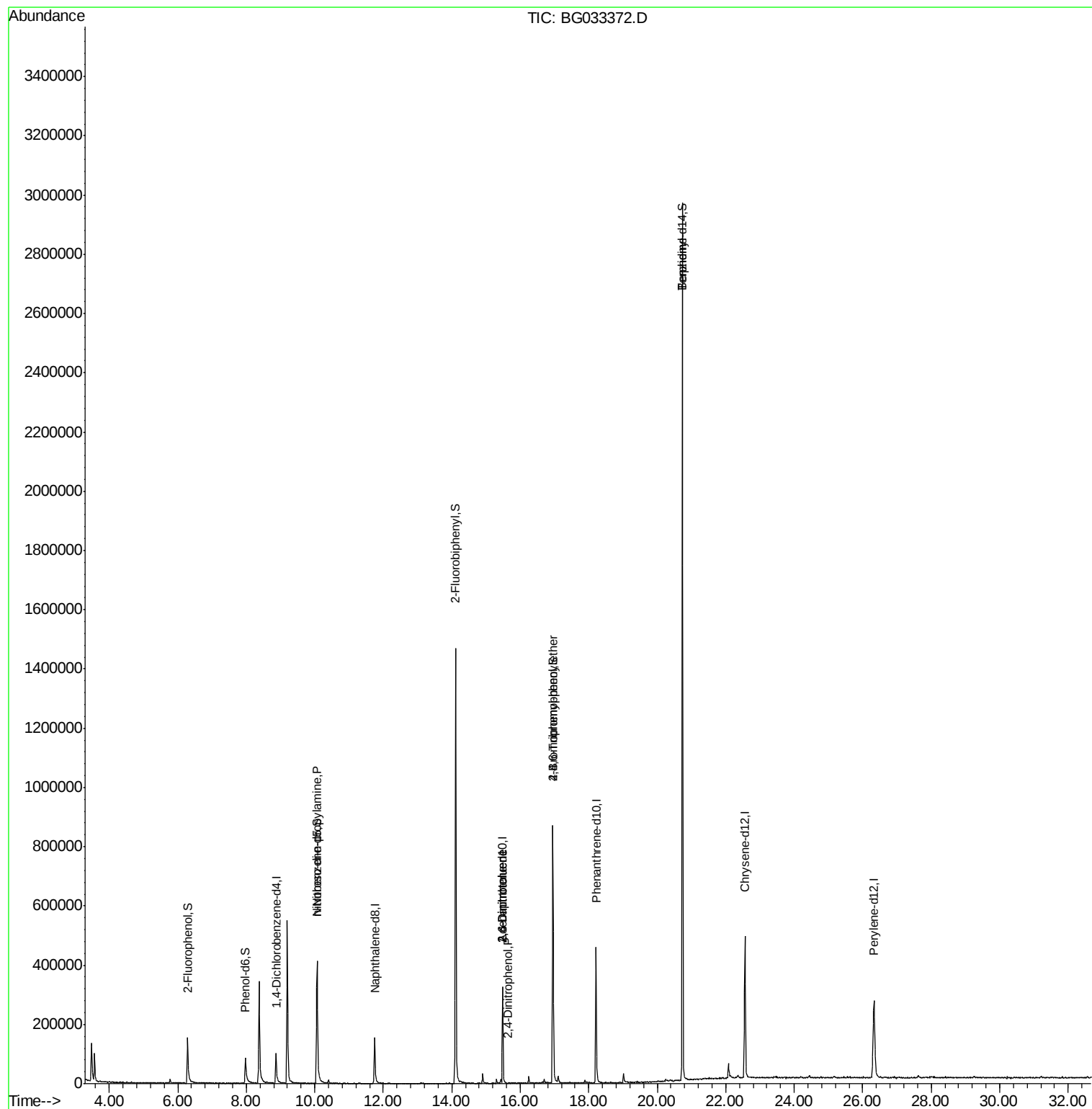
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	39446	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	161885	20.00	ng	-0.03
38) Acenaphthene-d10	15.49	164	125496	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	338043	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	354633	20.00	ng	-0.04
86) Perylene-d12	26.33	264	382953	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	93758	44.57	ng	-0.02
7) Phenol-d6	7.97	99	71016	19.65	ng	-0.03
23) Nitrobenzene-d5	10.07	82	333396	94.62	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	185812	99.00	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	844955	97.20	ng	-0.03
78) Terphenyl-d14	20.73	244	1516082	91.43	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	46192	17.440	ng	# 72
50) 2,6-Dinitrotoluene	15.49	165	15679	7.021	ng	# 22
53) 2,4-Dinitrophenol	15.64	184	78	7.704	ng	# 1
56) 2,4-Dinitrotoluene	15.49	165	15678	4.768	ng	# 20
66) 4-Bromophenyl-phenylether	16.95	248	14615	3.681	ng	# 1
76) Benzidine	20.74	184	25773	2.680	ng	# 92

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

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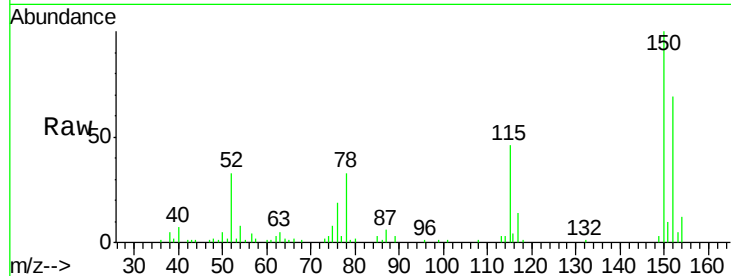


#1

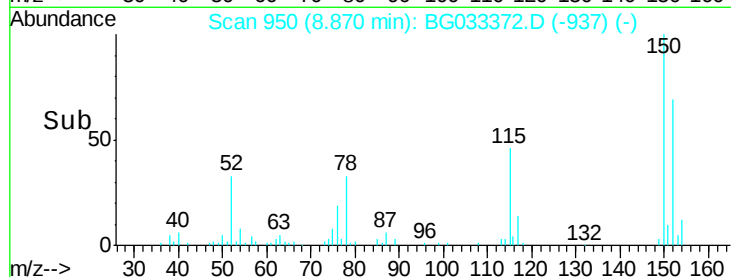
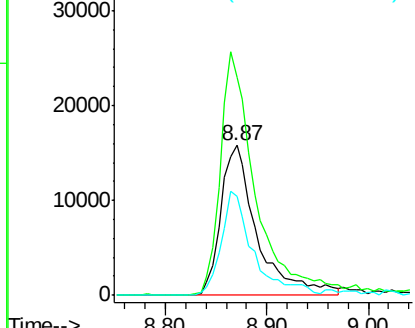
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.03 min
Lab File: BG033372.D
Acq: 27 Mar 2018 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.9	126.6	189.8
115	66.5	53.0	79.4



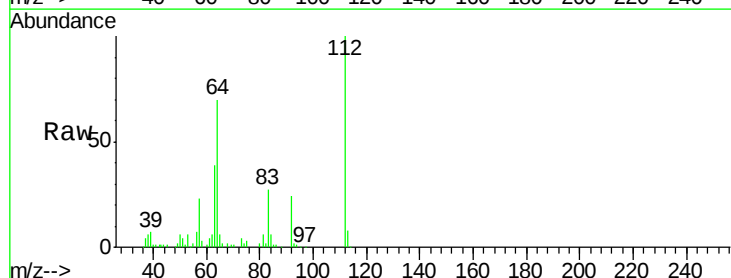
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



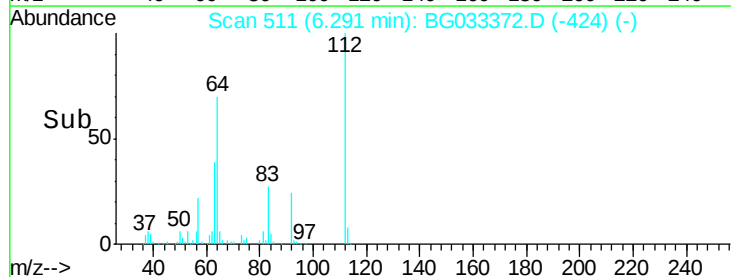
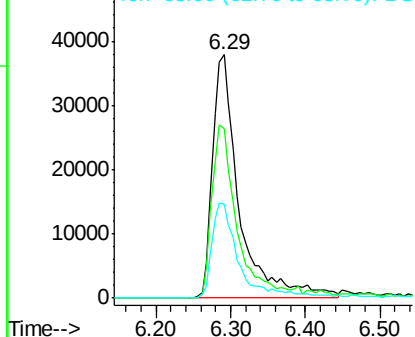
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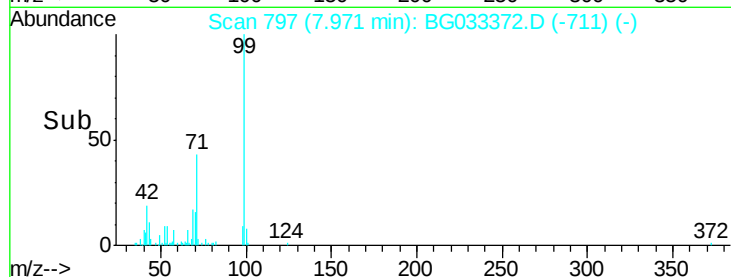
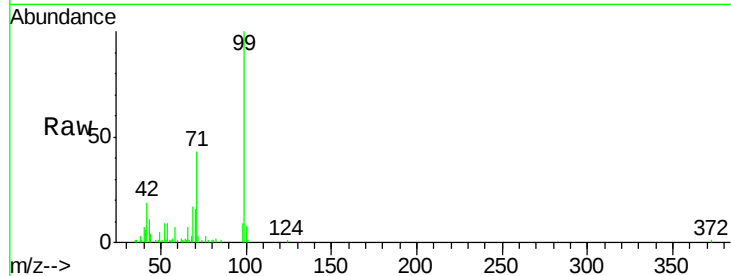
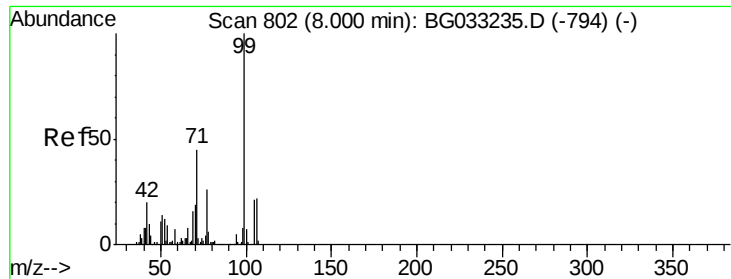
2-Fluorophenol
Concen: 44.569 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033372.D
Acq: 27 Mar 2018 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	56.3	84.5
63	38.6	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: 19.647 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033372.D

Acq: 27 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

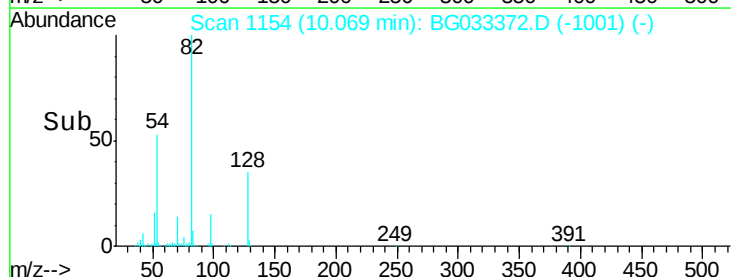
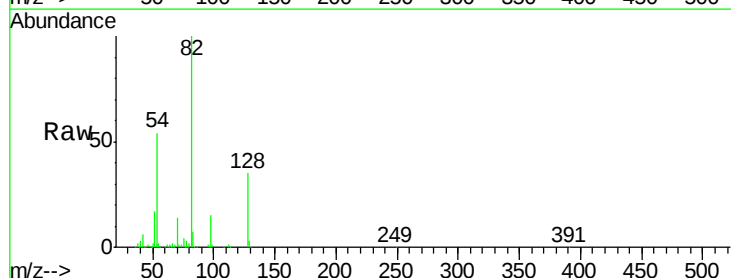
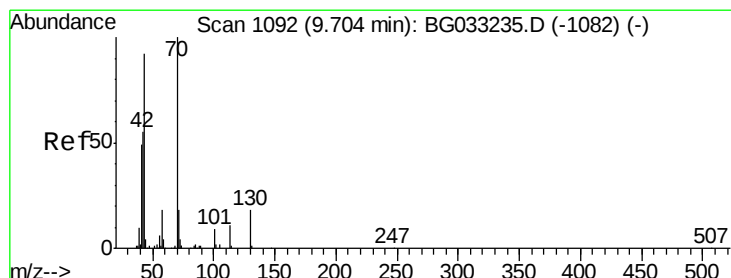
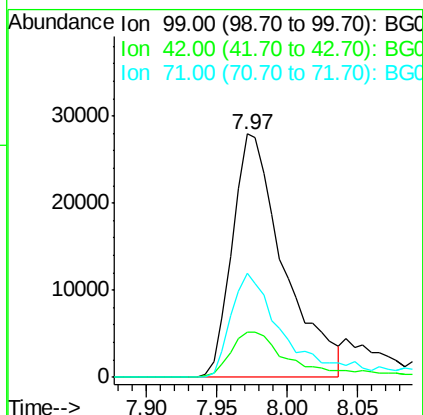
Tot Ion: 99 Resp: 71016

Ion Ratio Lower Upper

99 100

42 18.5 14.1 21.1

71 42.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.440 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.37 min

Lab File: BG033372.D

Acq: 27 Mar 2018 21:28

Tgt Ion: 70 Resp: 46192

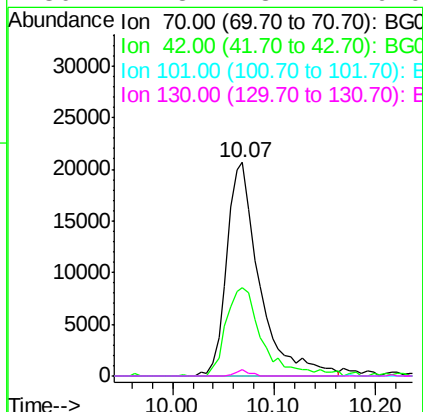
Ion Ratio Lower Upper

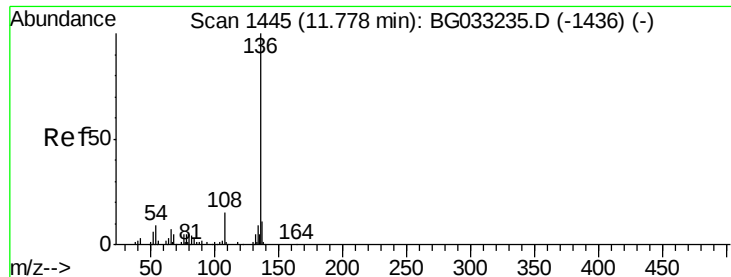
70 100

42 41.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.8 13.4 20.0#

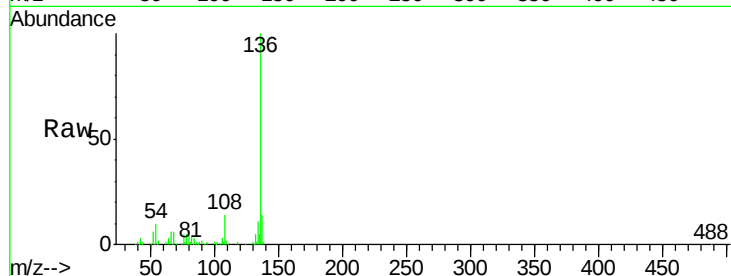




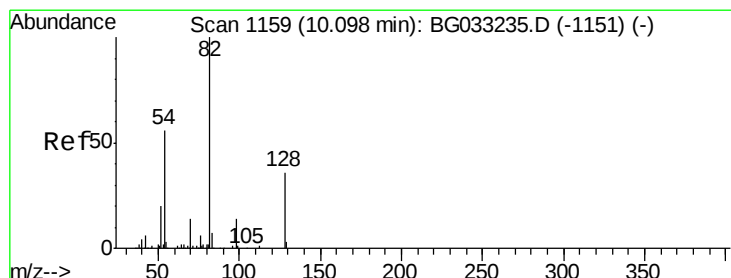
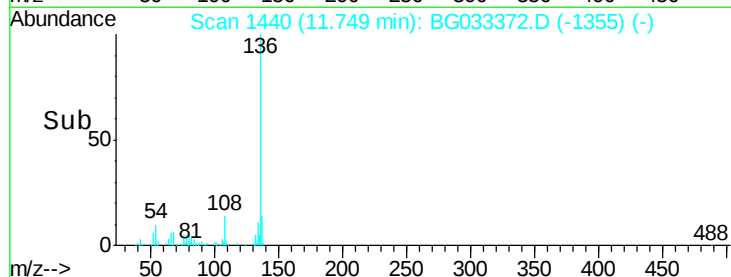
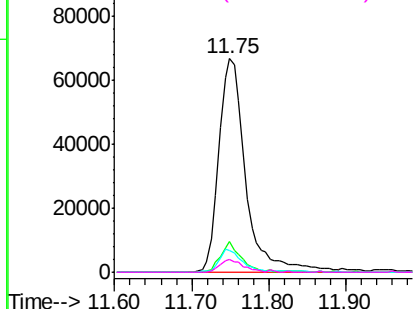
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033372.D
Acq: 27 Mar 2018 21:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	161885
Ion Ratio	Lower	Upper
136	100	
137	14.1	9.2 13.8#
54	10.1	10.3 15.5#
68	6.2	4.5 6.7

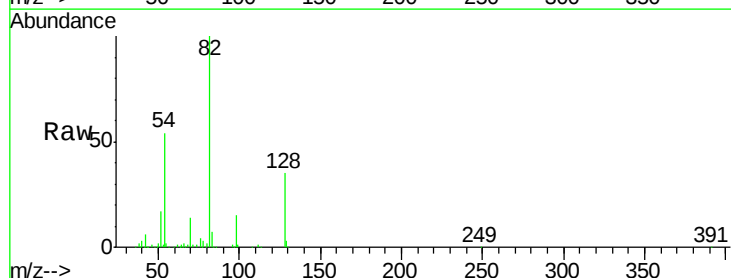


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

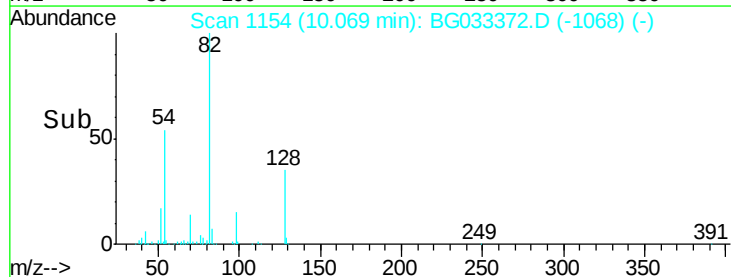
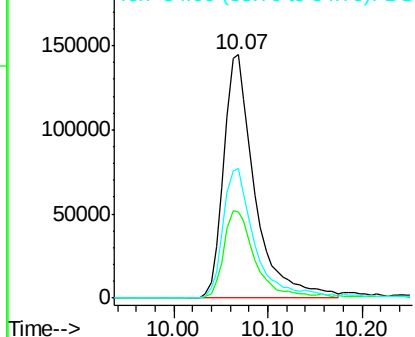


#23
Nitrobenzene-d5
Concen: 94.620 ng
RT: 10.07 min Scan# 1154
Delta R.T. -0.03 min
Lab File: BG033372.D
Acq: 27 Mar 2018 21:28

Tgt Ion: 82	Resp:	333396
Ion Ratio	Lower	Upper
82	100	
128	35.5	29.7 44.5
54	53.5	43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.03 min

Lab File: BG033372.D

Acq: 27 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

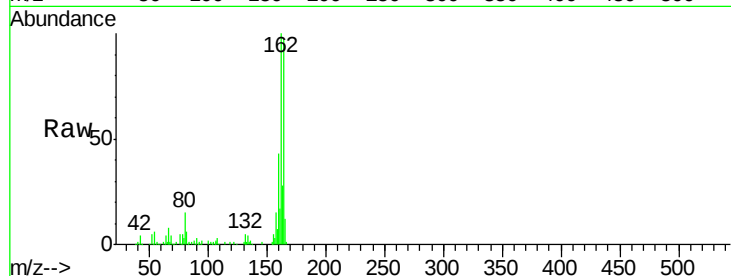
Tot Ion:164 Resp: 125496

Ion Ratio Lower Upper

164 100

162 102.8 78.8 118.2

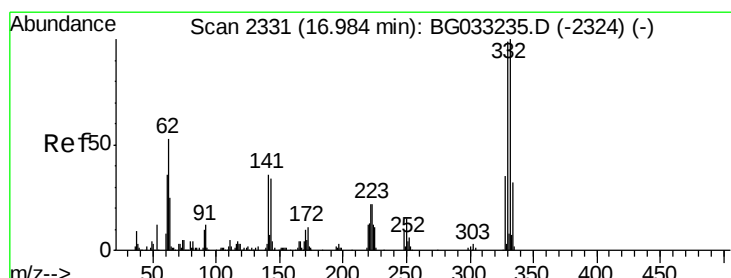
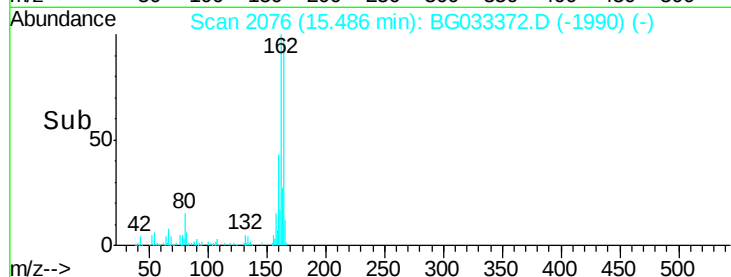
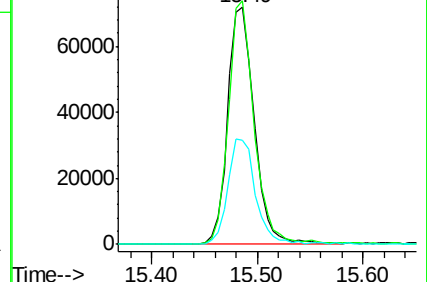
160 44.1 35.4 53.0



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: 98.997 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BG033372.D

Acq: 27 Mar 2018 21:28

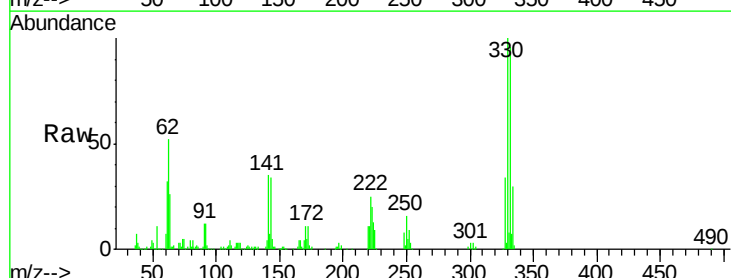
Tgt Ion:330 Resp: 185812

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

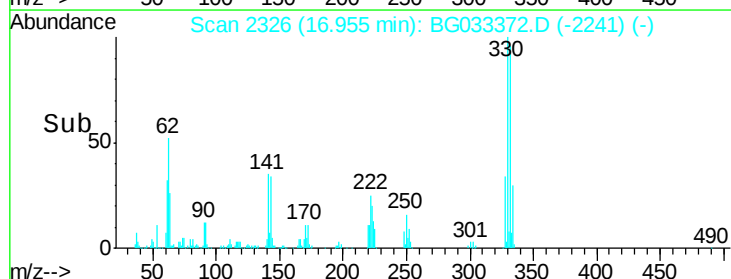
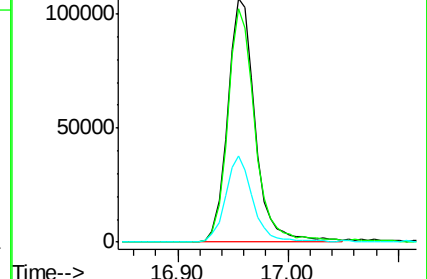
141 34.6 25.2 37.8



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

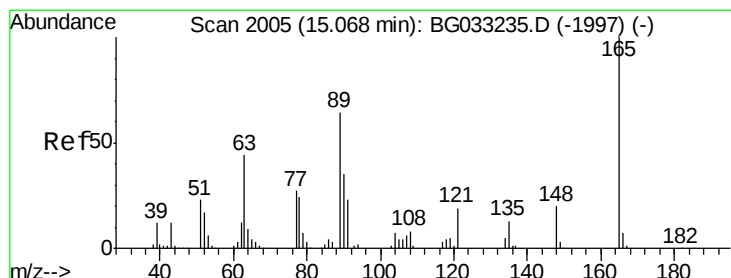
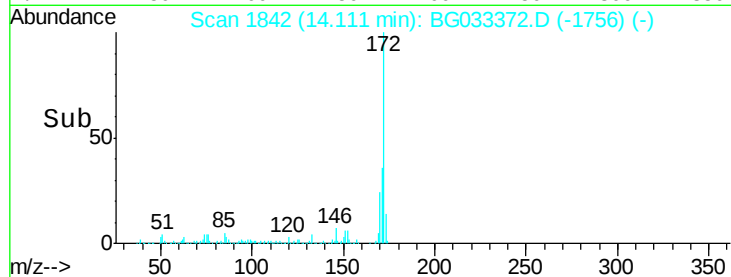
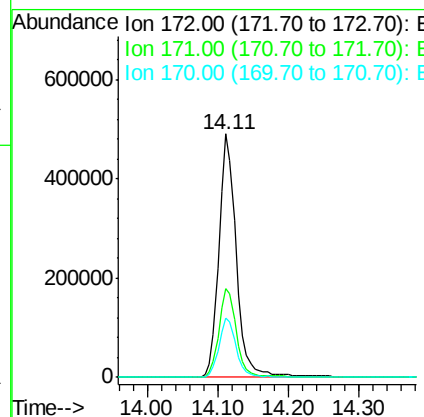
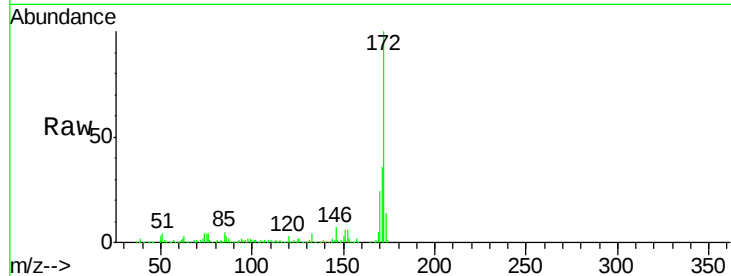




#44
 2-Fluorobiphenyl
 Concen: 97.199 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033372.D
 Acq: 27 Mar 2018 21:28

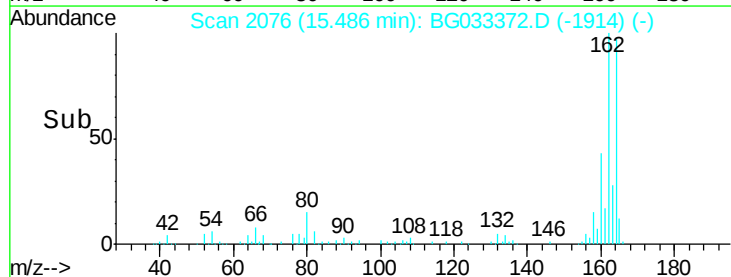
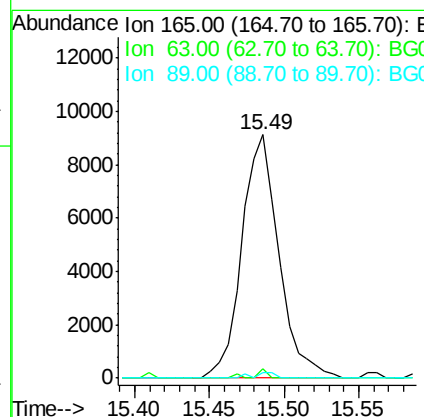
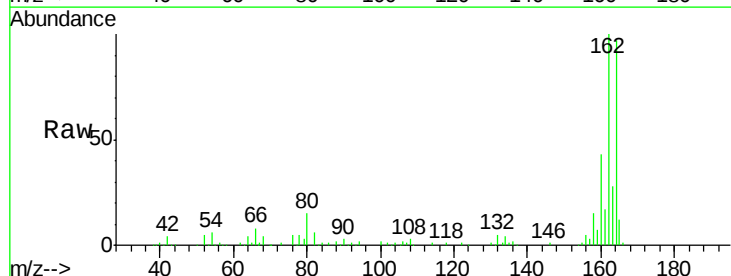
Instrument :
 BNA_G
 ClientSampleId :

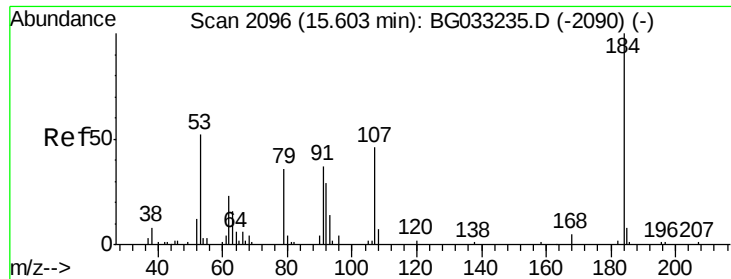
Tot Ion:172 Resp: 844955
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.0 45.0
 170 24.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.021 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. 0.42 min
 Lab File: BG033372.D
 Acq: 27 Mar 2018 21:28

Tgt Ion:165 Resp: 15679
 Ion Ratio Lower Upper
 165 100
 63 3.7 52.7 79.1#
 89 2.5 49.2 73.8#

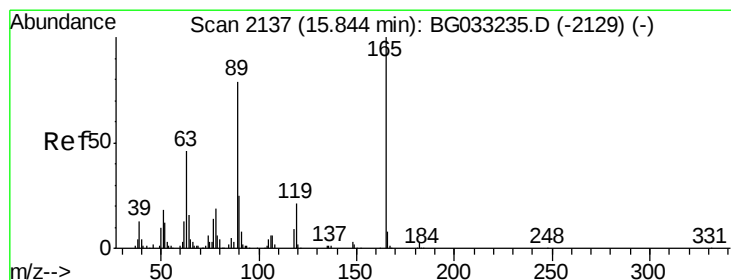
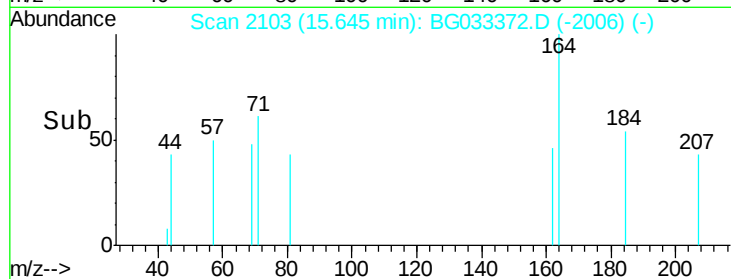
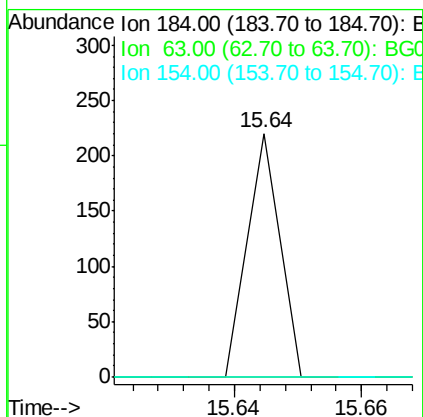
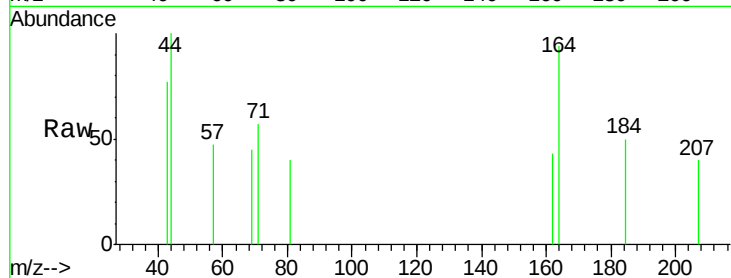




#53
 2,4-Dinitrophenol
 Concen: 7.704 ng
 RT: 15.64 min Scan# 2103
 Delta R.T. 0.04 min
 Lab File: BG033372.D
 Acq: 27 Mar 2018 21:28

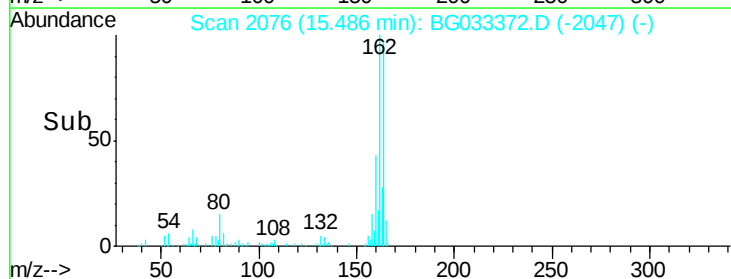
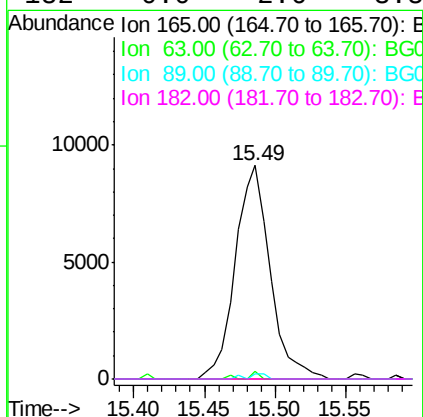
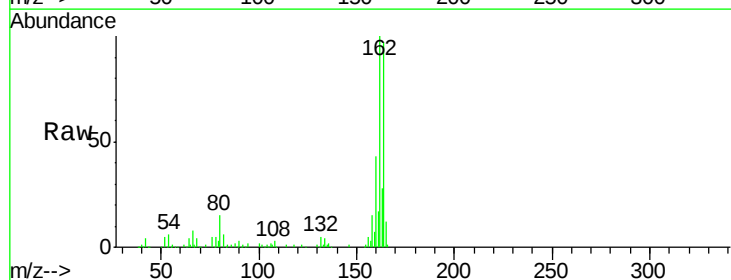
Instrument :
 BNA_G
 ClientSampled :

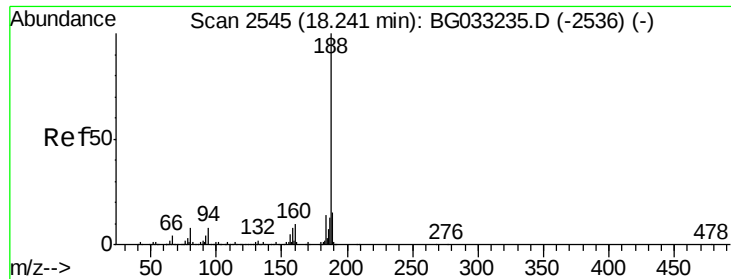
Tot Ion:184 Resp: 78
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.768 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. -0.36 min
 Lab File: BG033372.D
 Acq: 27 Mar 2018 21:28

Tgt Ion:165 Resp: 15678
 Ion Ratio Lower Upper
 165 100
 63 3.7 42.0 63.0#
 89 2.5 66.9 100.3#
 182 0.0 2.6 3.8#

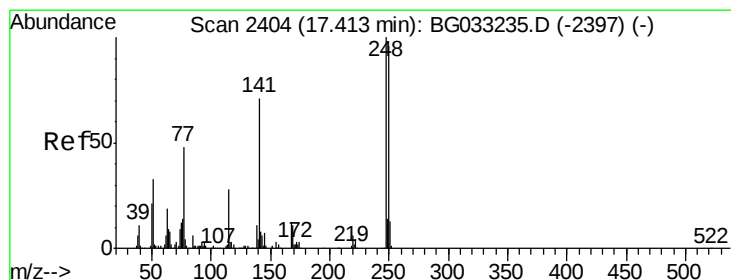
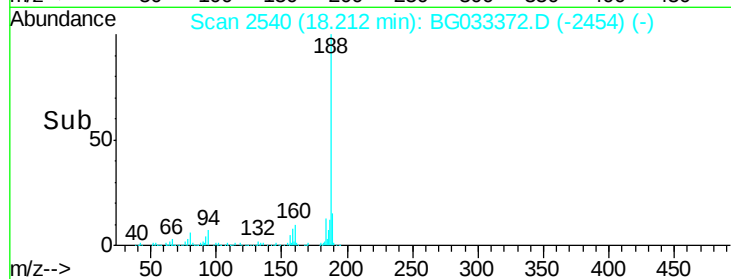
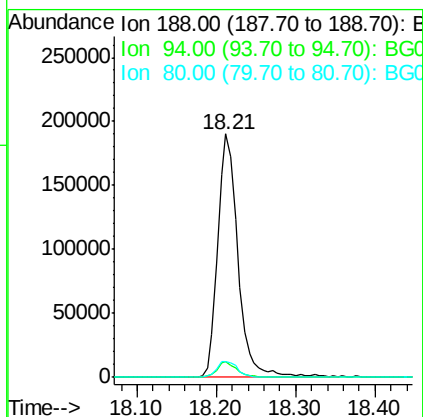
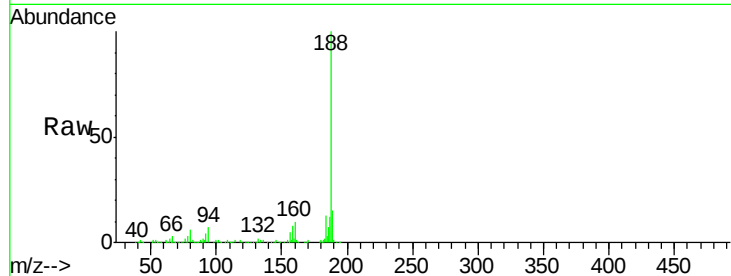




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033372.D
Acq: 27 Mar 2018 21:28

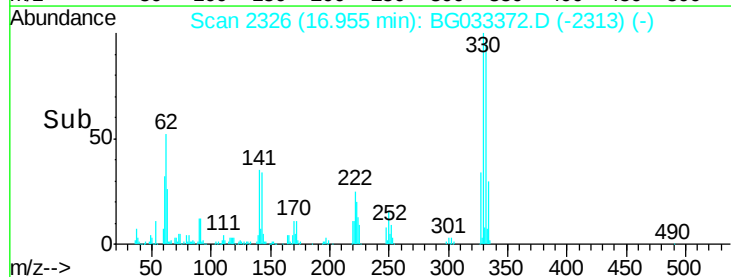
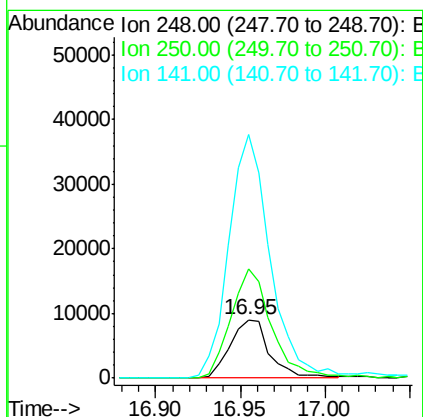
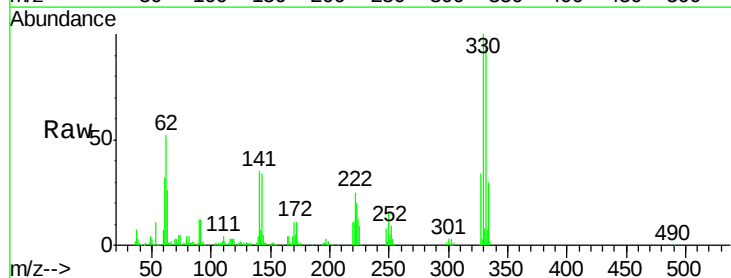
Instrument :
BNA_G
ClientSampled :

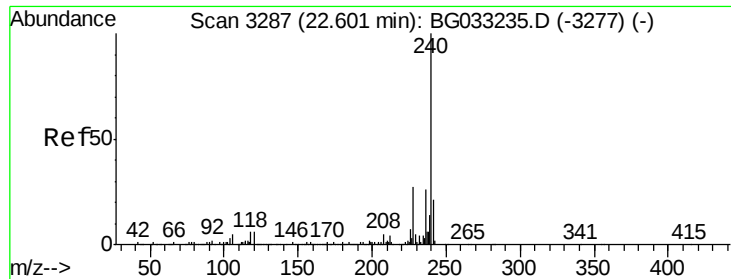
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.5	6.9	10.3#
80	6.4	7.7	11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.681 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033372.D
Acq: 27 Mar 2018 21:28

Tgt Ion	Ratio	Lower	Upper
248	100		
250	186.5	77.1	115.7#
141	418.1	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033372.D

Acq: 27 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

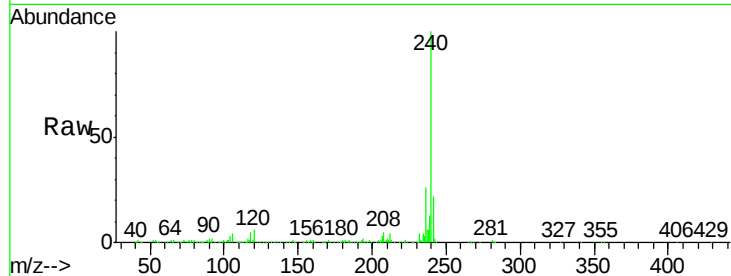
Tot Ion:240 Resp: 354633

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

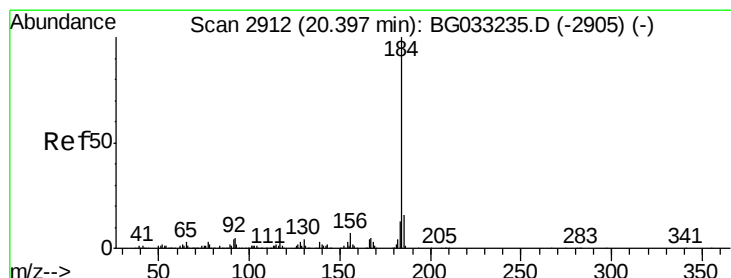
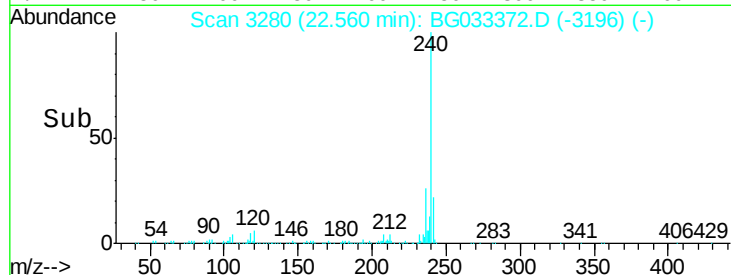
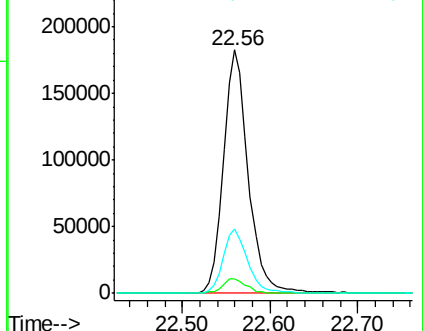
236 26.4 20.9 31.3



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



#76

Benzidine

Concen: 2.680 ng

RT: 20.74 min Scan# 2970

Delta R.T. 0.34 min

Lab File: BG033372.D

Acq: 27 Mar 2018 21:28

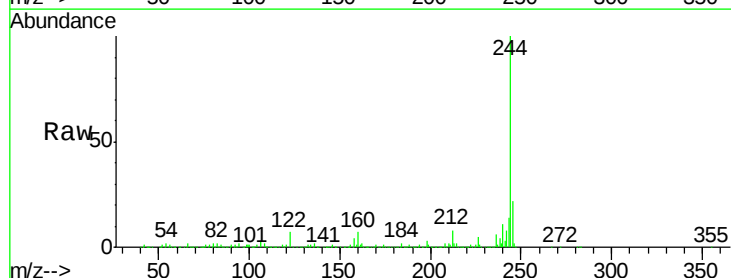
Tgt Ion:184 Resp: 25773

Ion Ratio Lower Upper

184 100

185 12.7 11.1 16.7

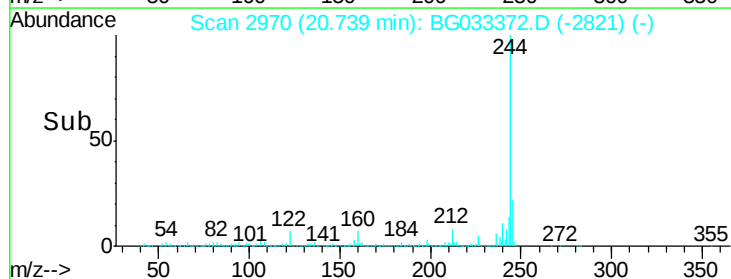
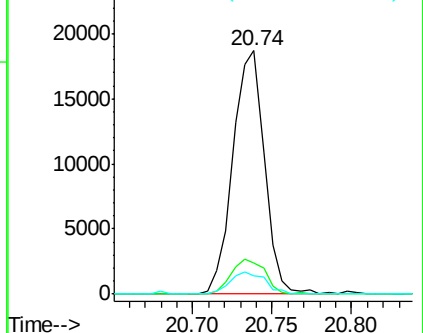
183 7.7 10.6 16.0#

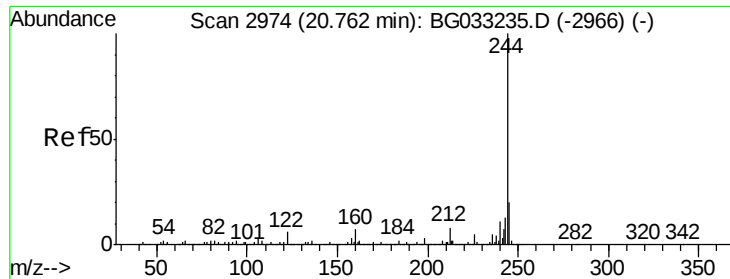


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.427 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033372.D

Acq: 27 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

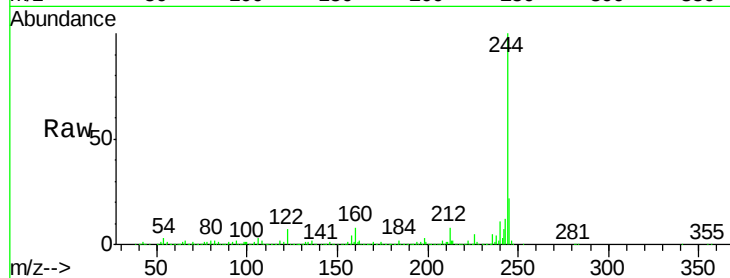
Tot Ion:244 Resp: 1516082

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

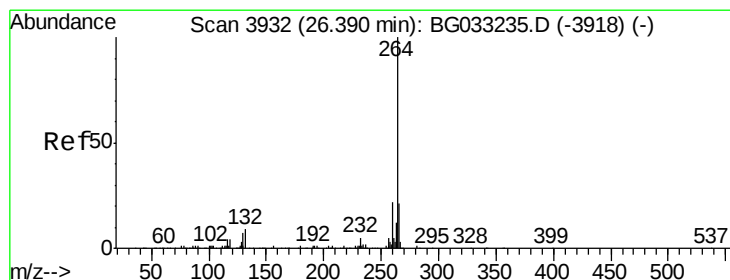
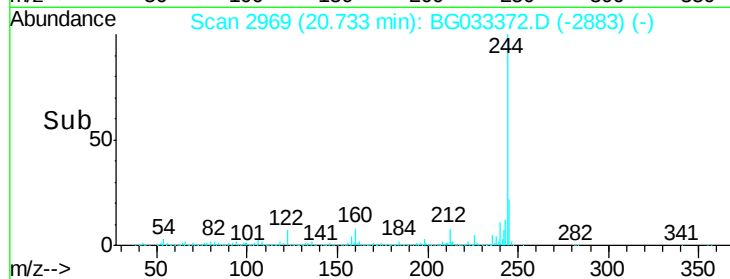
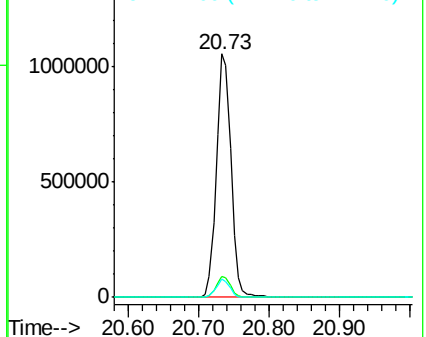
122 7.4 7.0 10.4



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: 26.33 min Scan# 3922

Delta R.T. -0.06 min

Lab File: BG033372.D

Acq: 27 Mar 2018 21:28

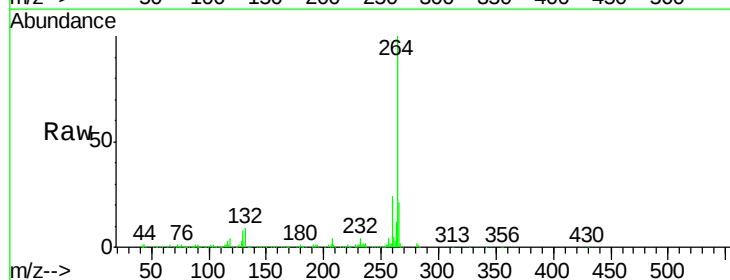
Tgt Ion:264 Resp: 382953

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 20.7 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

