

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
 Data File : BG033429.D
 Acq On : 29 Mar 2018 20:50
 Operator : SJ/JU
 Sample : J1756-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 30 07:40:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

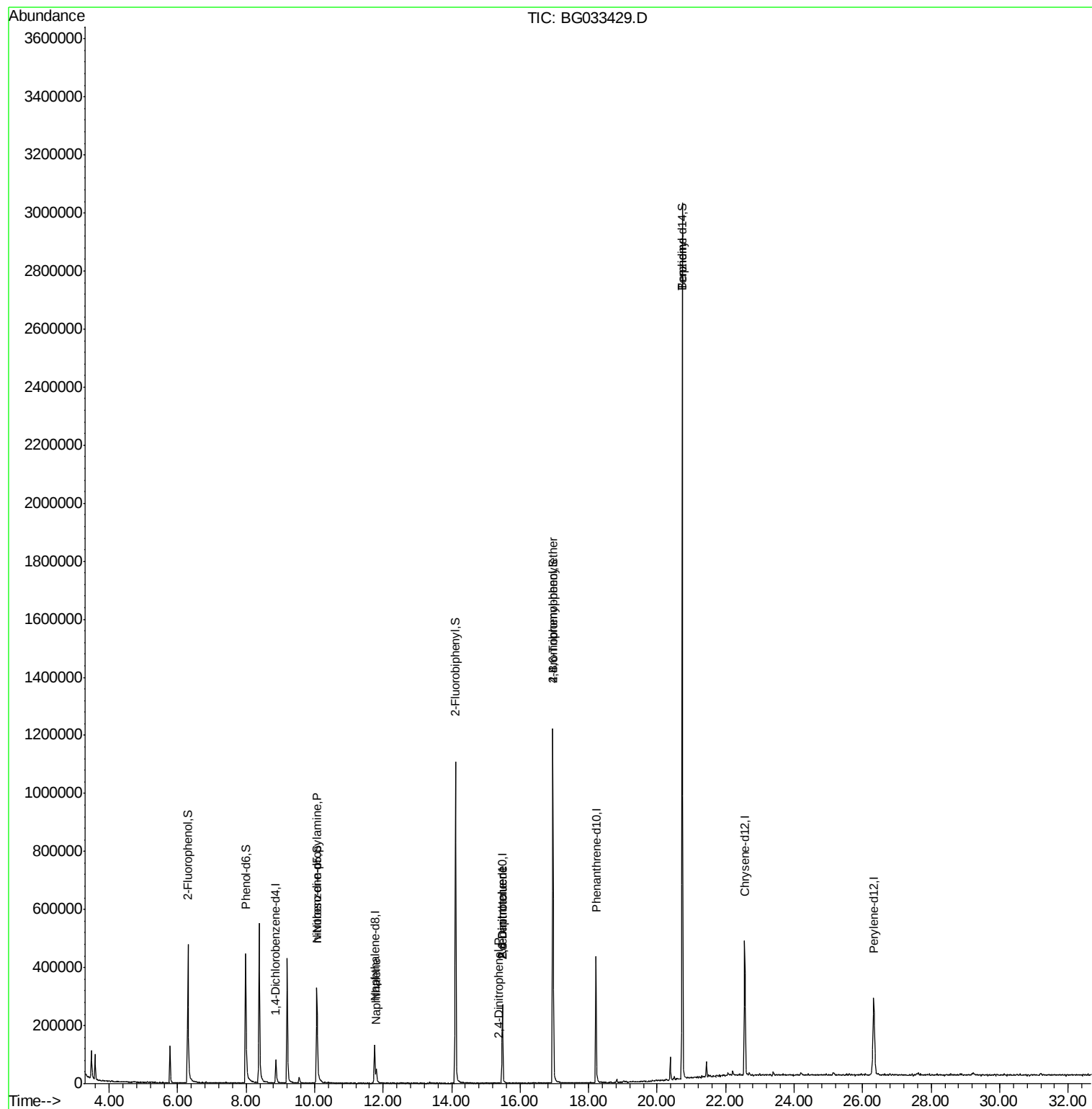
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	30193	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	126699	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	100804	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	310108	20.00	ng	0.00
75) Chrysene-d12	22.56	240	347497	20.00	ng	0.00
86) Perylene-d12	26.33	264	364414	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	240817	149.56	ng	0.00
7) Phenol-d6	7.98	99	336012	121.45	ng	0.00
23) Nitrobenzene-d5	10.07	82	263083	95.40	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	247430	164.12	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	645742	92.48	ng	0.00
78) Terphenyl-d14	20.74	244	1534275	94.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	35604	17.562	ng	Qvalue # 73
31) Naphthalene	11.80	128	43043	6.556	ng	# 96
50) 2,6-Dinitrotoluene	15.49	165	13697	7.636	ng	# 20
53) 2,4-Dinitrophenol	15.38	184	62	7.703	ng	# 1
56) 2,4-Dinitrotoluene	15.49	165	13696	5.186	ng	# 18
66) 4-Bromophenyl-phenylether	16.96	248	18450	5.066	ng	# 1
76) Benzidine	20.73	184	24839	2.636	ng	98

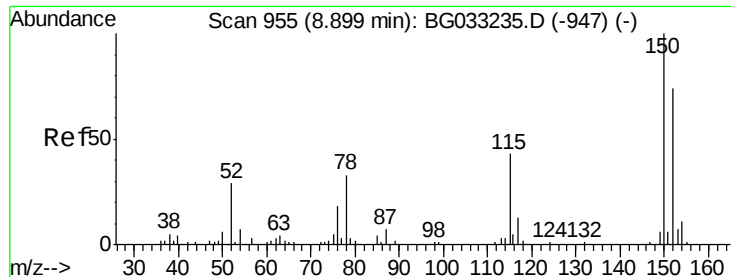
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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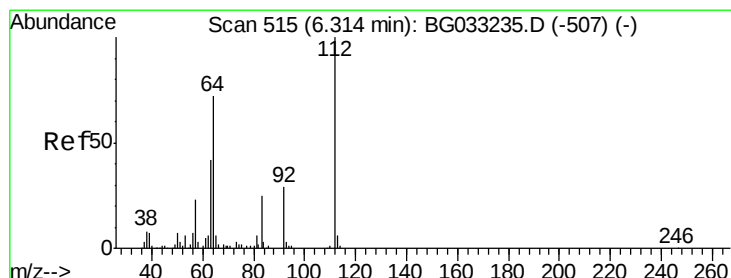
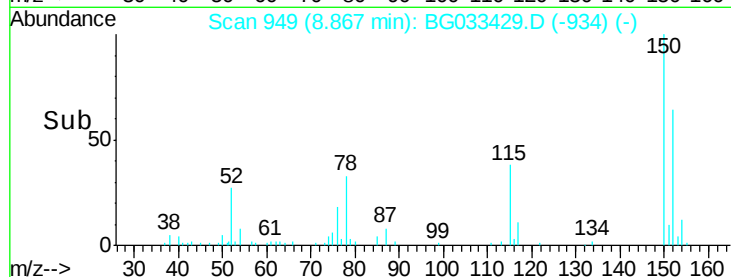
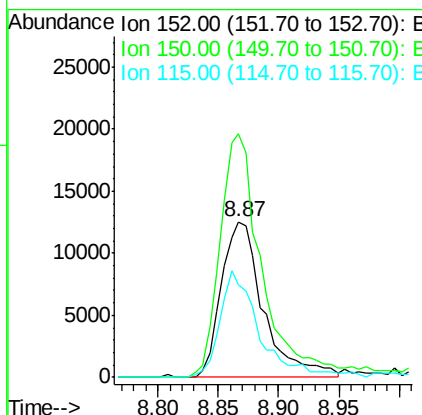
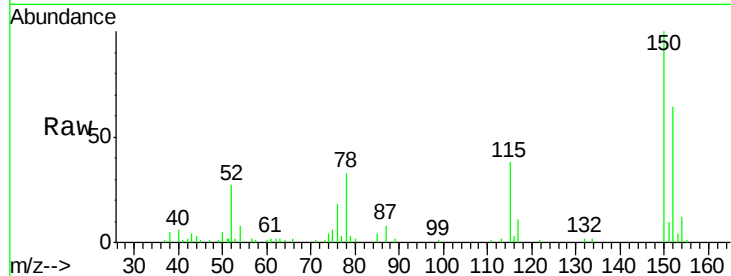


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033429.D
Acq: 29 Mar 2018 20:50

Instrument :
BNA_G
ClientSampleId :

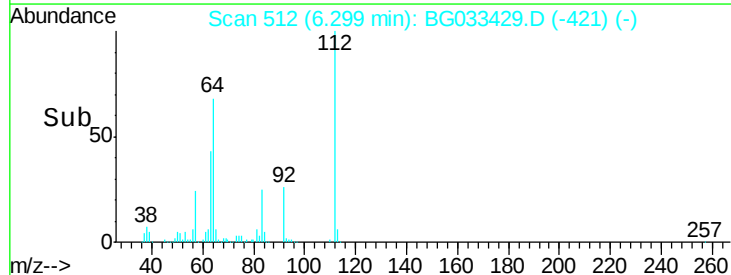
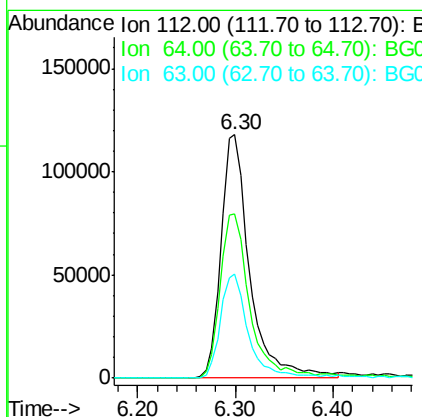
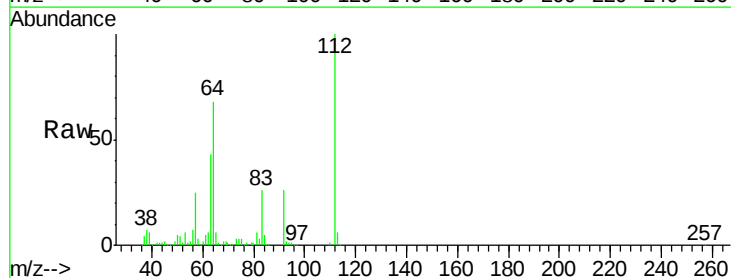
Tot Ion:152 Resp: 30193
Ion Ratio Lower Upper
152 100
150 156.6 126.6 189.8
115 59.6 53.0 79.4

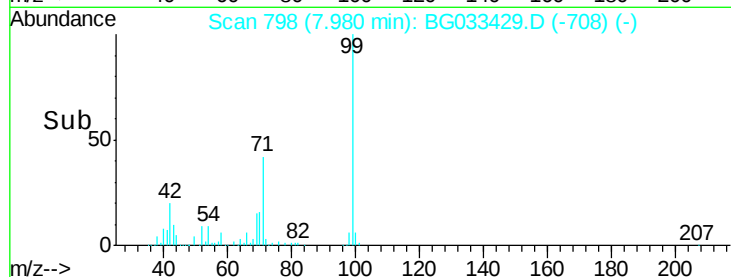
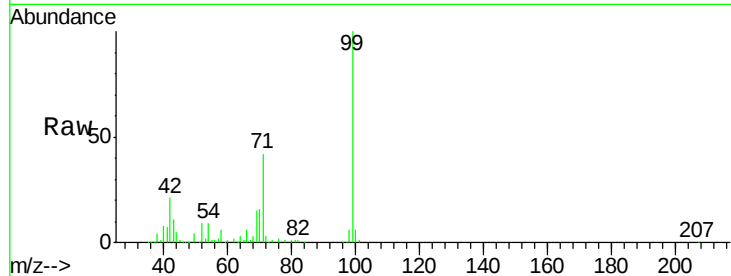
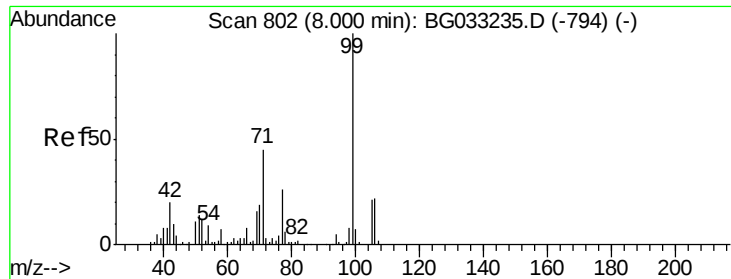


#5

2-Fluorophenol
Concen: 149.558 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.01 min
Lab File: BG033429.D
Acq: 29 Mar 2018 20:50

Tgt Ion:112 Resp: 240817
Ion Ratio Lower Upper
112 100
64 67.7 56.3 84.5
63 42.5 30.1 45.1





#7

Phenol-d6

Concen: 121.451 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.00 min

Lab File: BG033429.D

Acq: 29 Mar 2018 20:50

Instrument :

BNA_G

ClientSampleId :

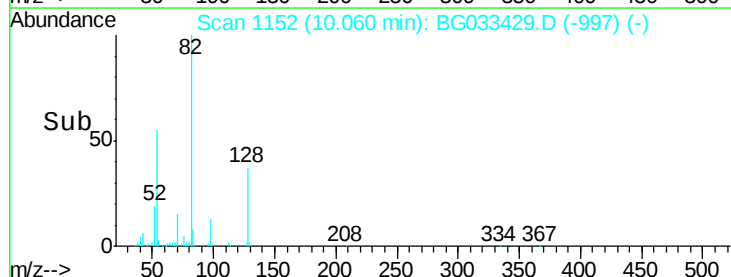
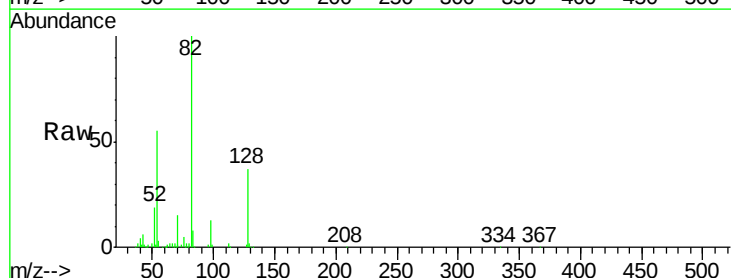
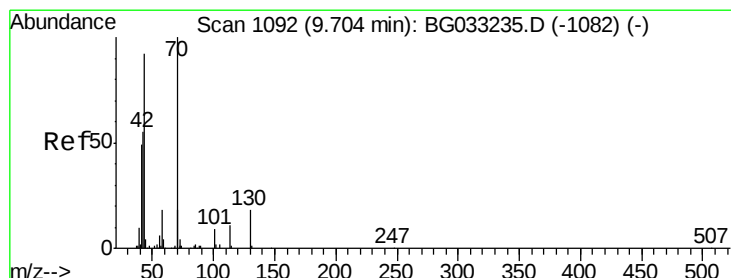
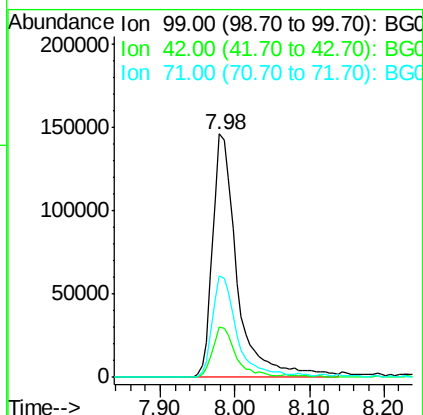
Tot Ion: 99 Resp: 336012

Ion Ratio Lower Upper

99 100

42 20.6 14.1 21.1

71 41.5 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.562 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.38 min

Lab File: BG033429.D

Acq: 29 Mar 2018 20:50

Tgt Ion: 70 Resp: 35604

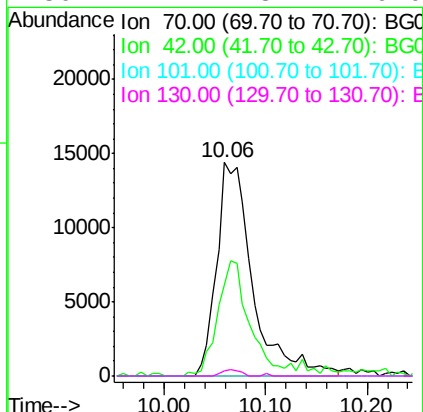
Ion Ratio Lower Upper

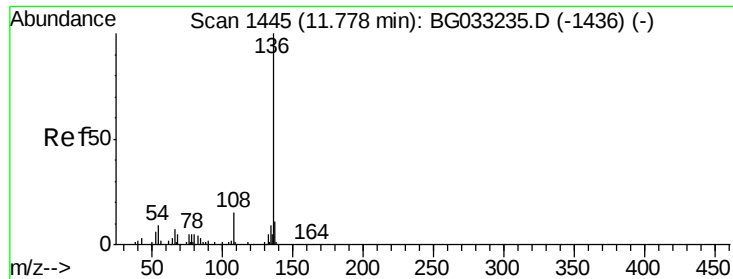
70 100

42 42.3 49.1 73.7#

101 0.0 8.5 12.7#

130 2.7 13.4 20.0#

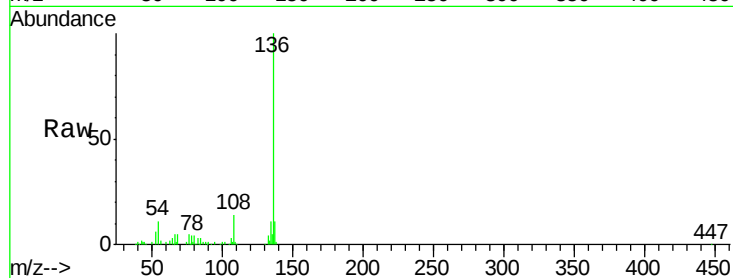




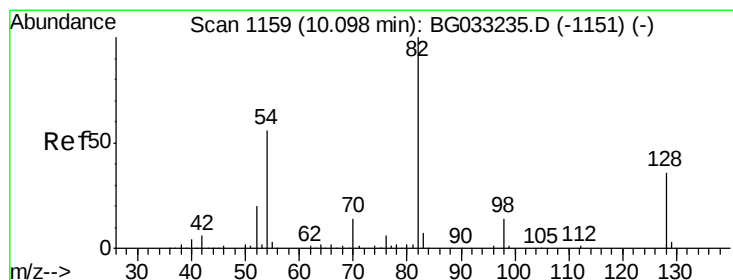
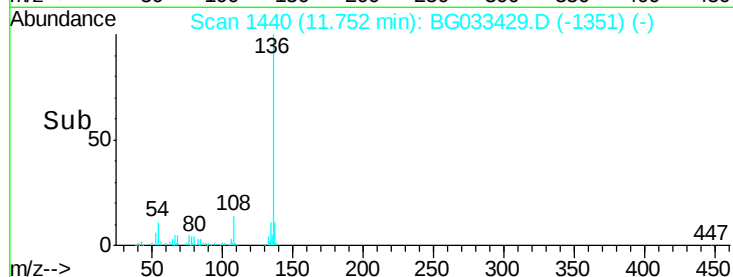
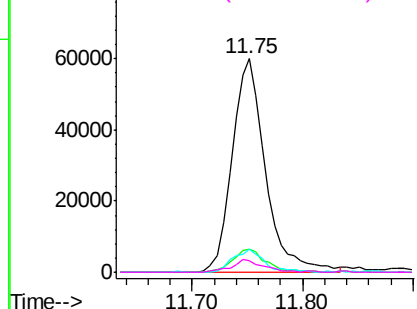
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033429.D
Acq: 29 Mar 2018 20:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	126699	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	9.2	13.8	
54 11.1	10.3	15.5	
68 5.3	4.5	6.7	

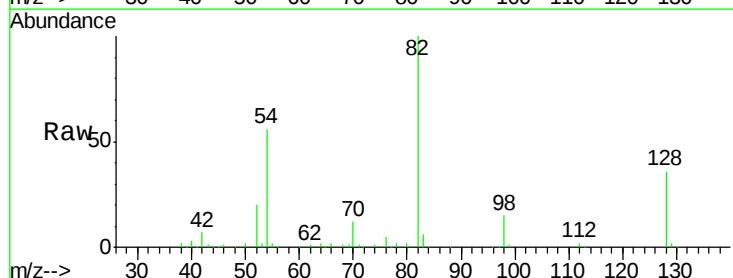


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

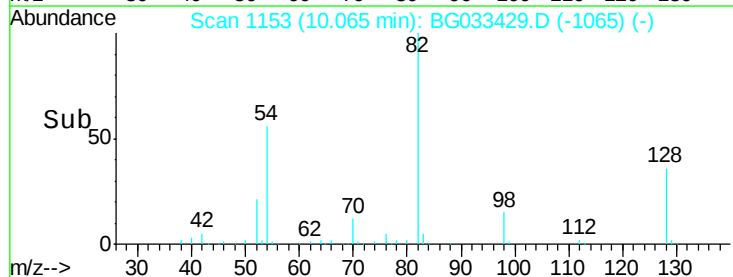
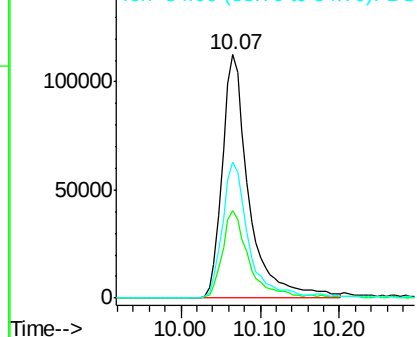


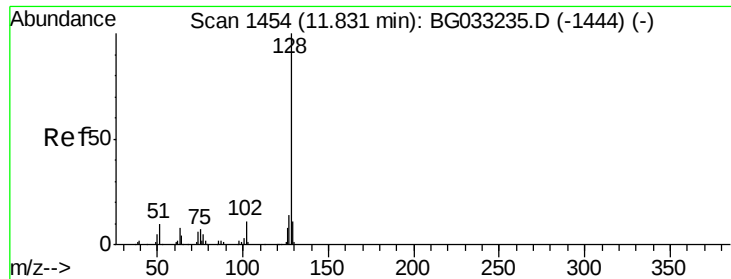
#23
Nitrobenzene-d5
Concen: 95.400 ng
RT: 10.07 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BG033429.D
Acq: 29 Mar 2018 20:50

Tgt	Ion: 82	Resp:	263083
Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.7	44.5
54	56.1	43.1	64.7



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

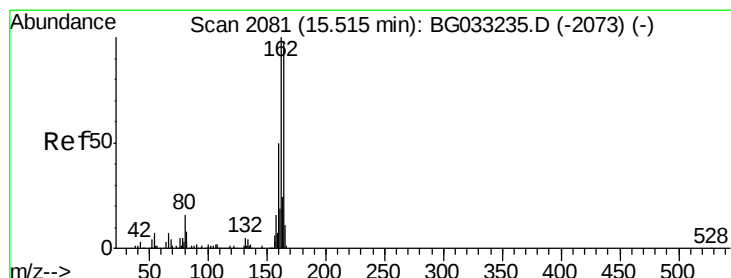
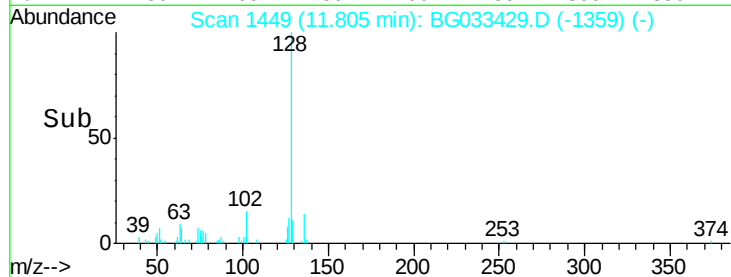
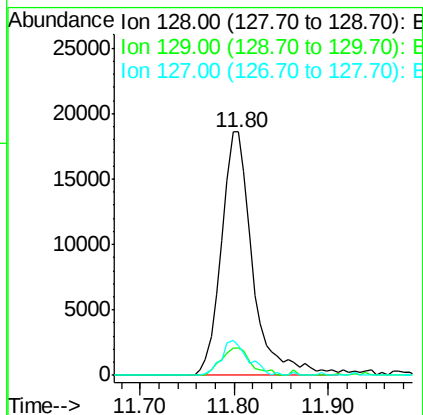
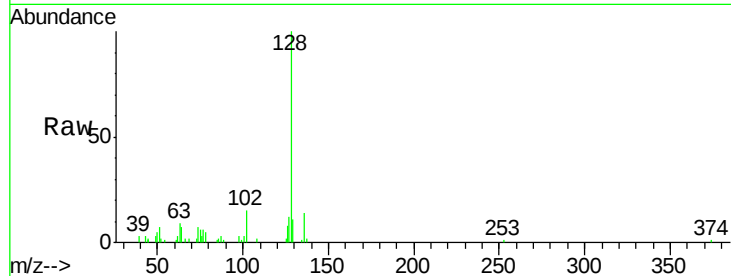




#31
Naphthalene
Concen: 6.556 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BG033429.D
Acq: 29 Mar 2018 20:50

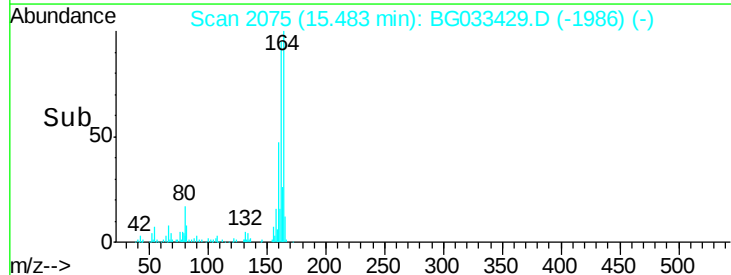
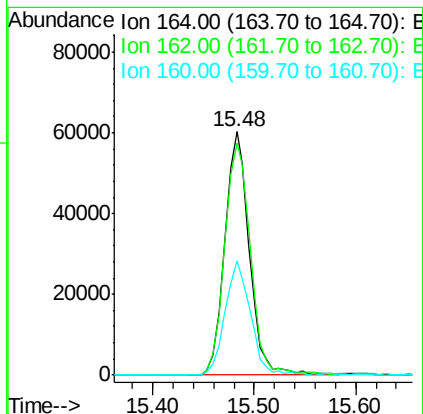
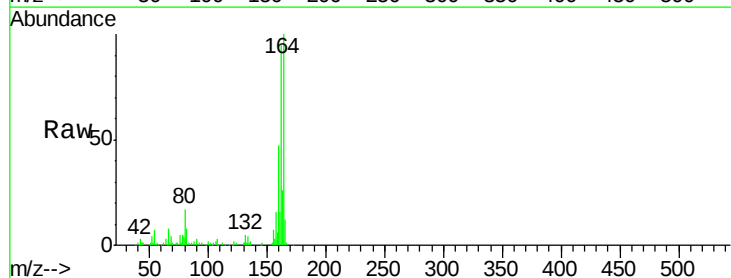
Instrument :
BNA_G
ClientSampleId :

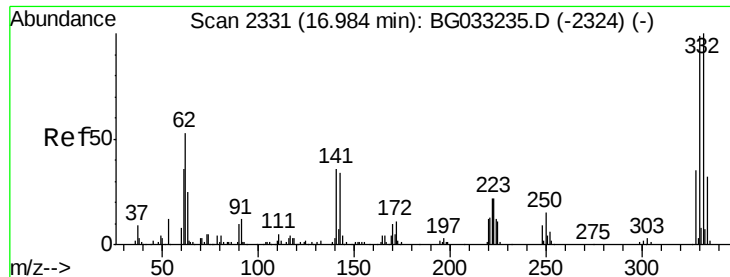
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	12.4	11.6	17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BG033429.D
Acq: 29 Mar 2018 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.3	78.8	118.2
160	46.9	35.4	53.0

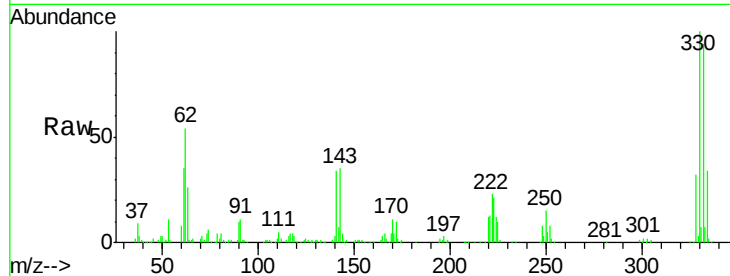




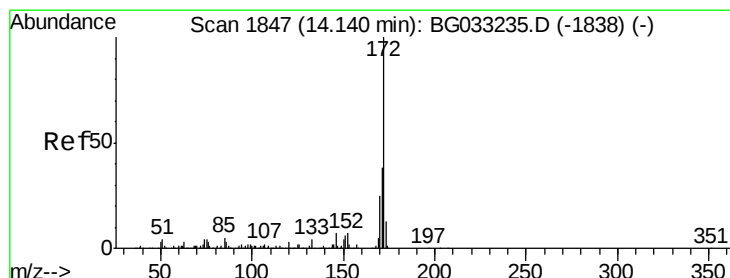
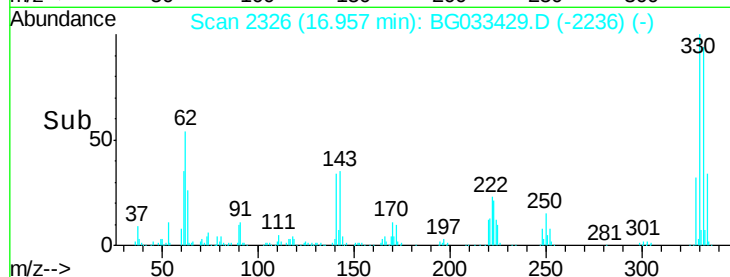
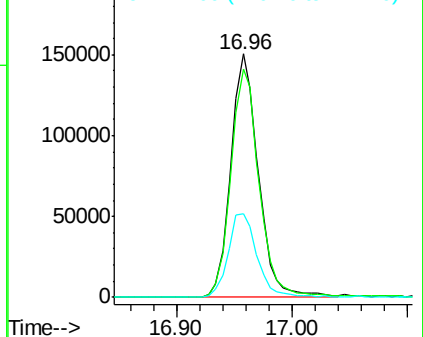
#41
 2,4,6-Tribromophenol
 Concen: 164.117 ng
 RT: 16.96 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: BG033429.D
 Acq: 29 Mar 2018 20:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	36.3	25.2	37.8

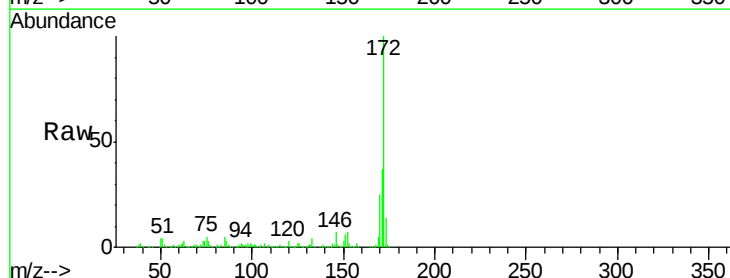


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

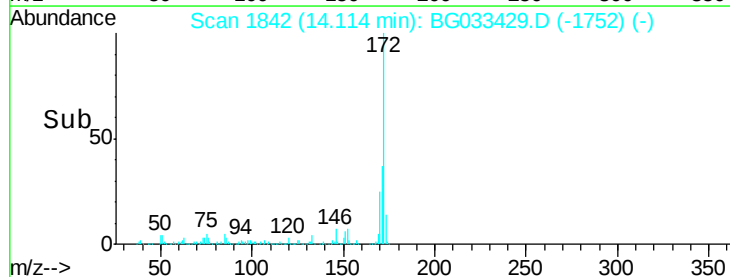
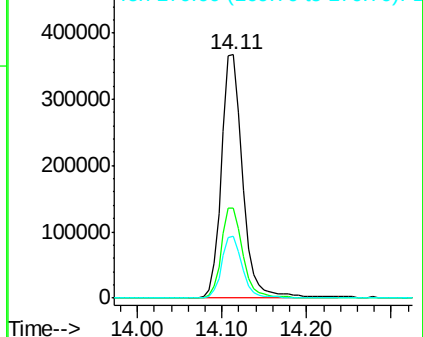


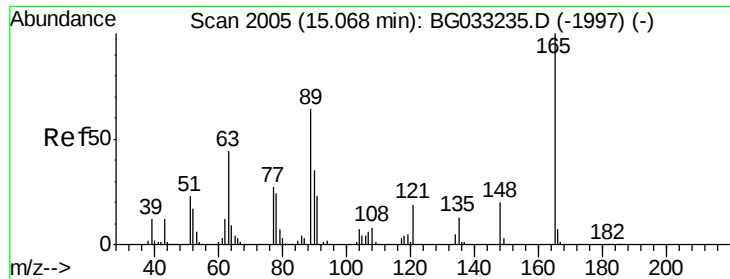
#44
 2-Fluorobiphenyl
 Concen: 92.478 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BG033429.D
 Acq: 29 Mar 2018 20:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.0	45.0
170	25.2	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

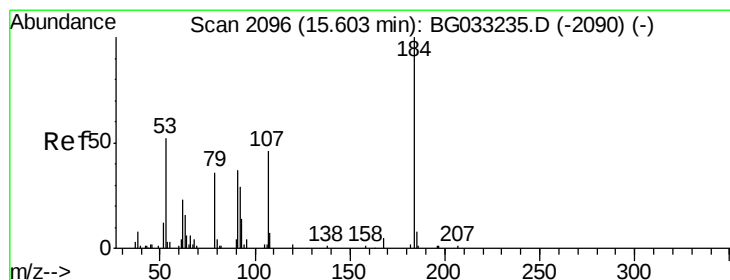
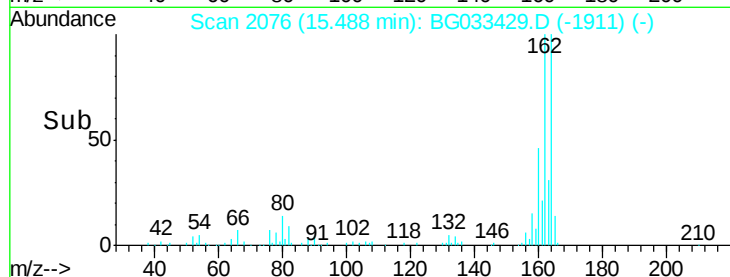
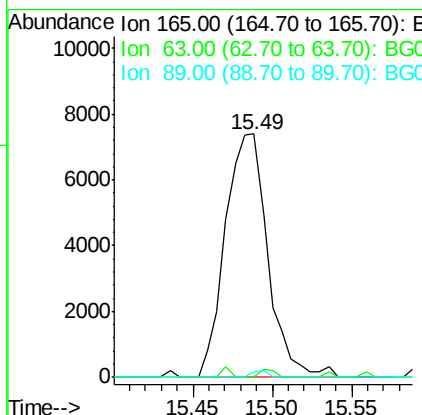
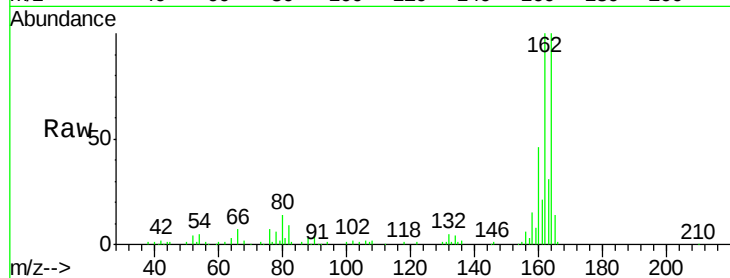




#50
 2,6-Dinitrotoluene
 Concen: 7.636 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. 0.44 min
 Lab File: BG033429.D
 Acq: 29 Mar 2018 20:50

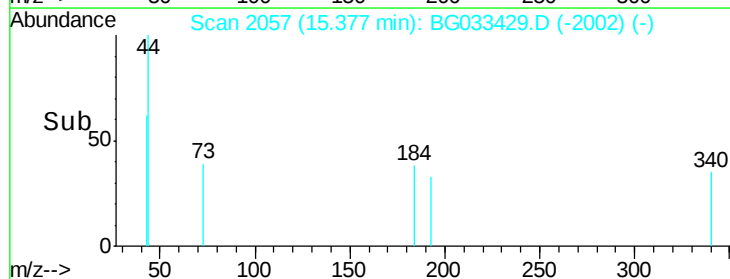
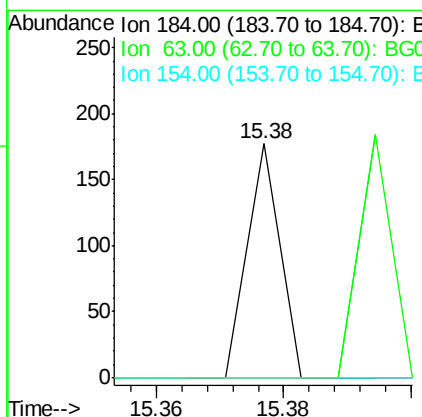
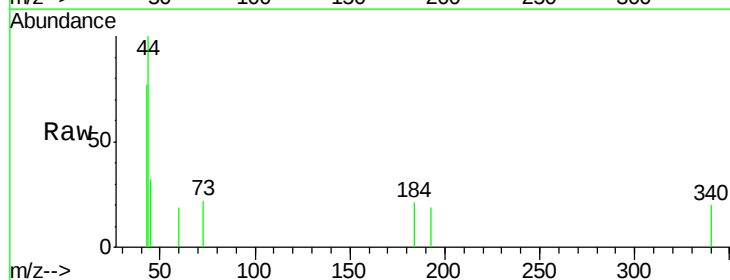
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13697
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.0 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.703 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. -0.21 min
 Lab File: BG033429.D
 Acq: 29 Mar 2018 20:50

Tgt Ion:184 Resp: 62
 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: 5.186 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.33 min

Lab File: BG033429.D

Acq: 29 Mar 2018 20:50

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 13696

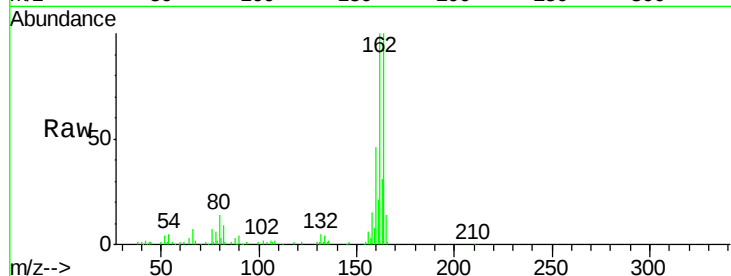
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.0 66.9 100.3#

182 0.0 2.6 3.8#

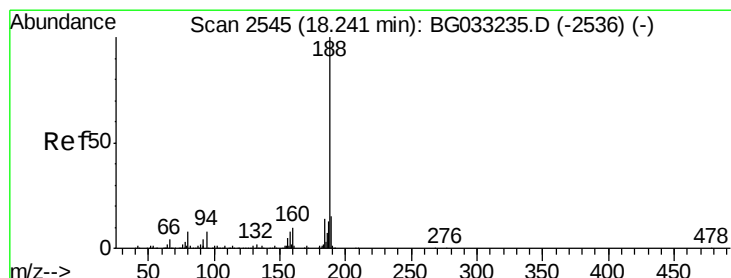
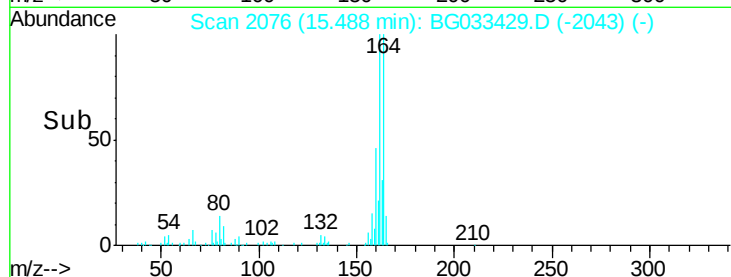
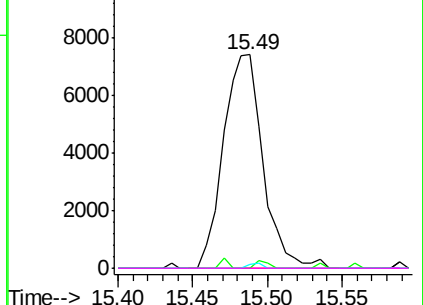


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2540

Delta R.T. 0.00 min

Lab File: BG033429.D

Acq: 29 Mar 2018 20:50

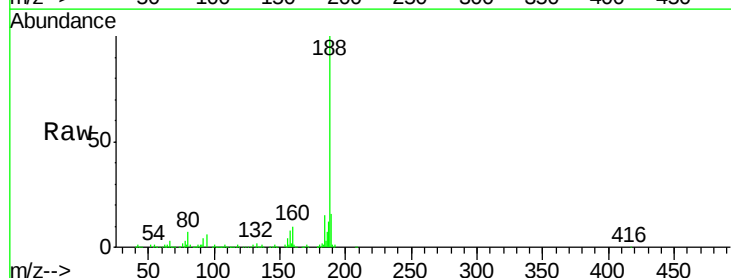
Tgt Ion:188 Resp: 310108

Ion Ratio Lower Upper

188 100

94 5.6 6.9 10.3#

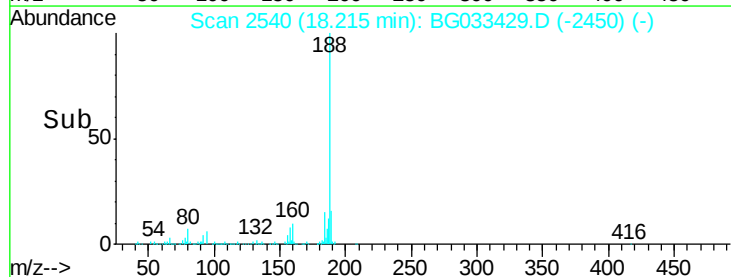
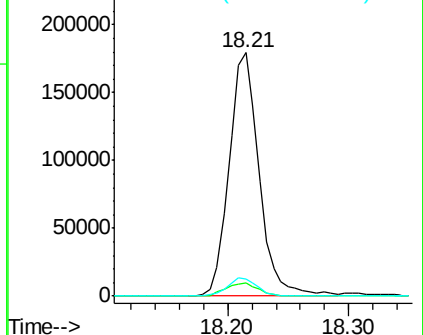
80 6.8 7.7 11.5#



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

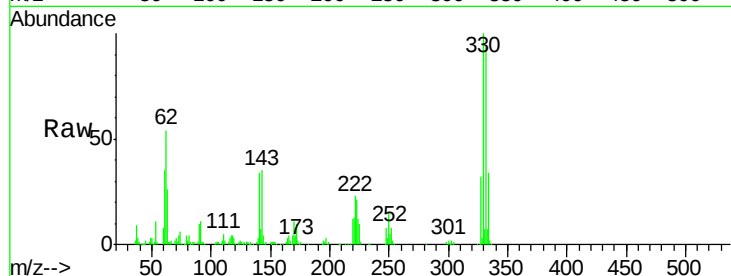




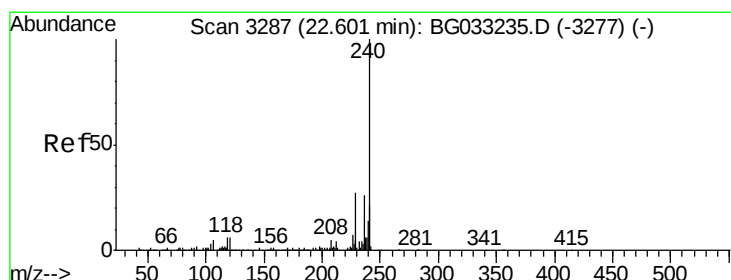
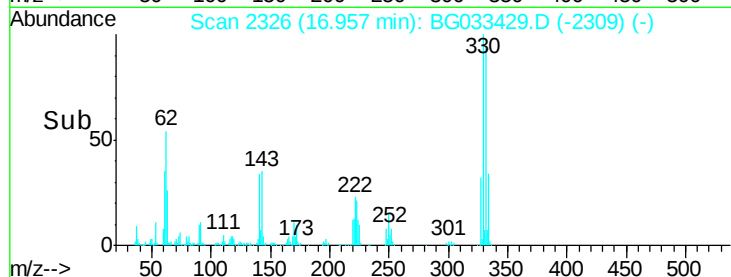
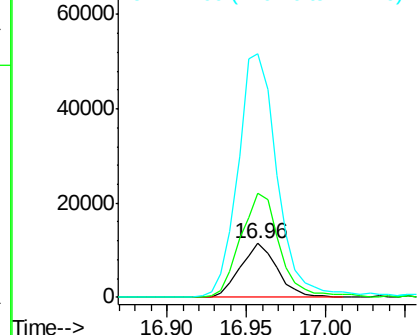
#66
4-Bromophenyl-phenylether
Concen: 5.066 ng
RT: 16.96 min Scan# 2326
Delta R.T. -0.43 min
Lab File: BG033429.D
Acq: 29 Mar 2018 20:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18450
Ion Ratio Lower Upper
248 100
250 191.8 77.1 115.7#
141 451.1 50.8 76.2#

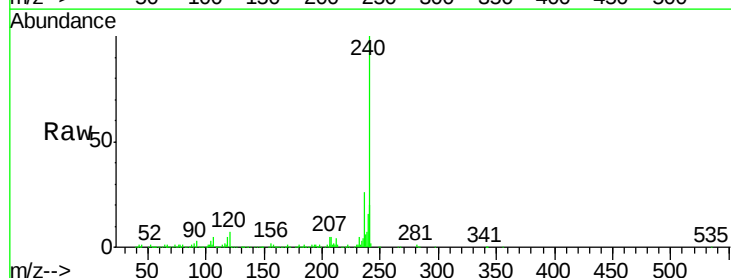


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

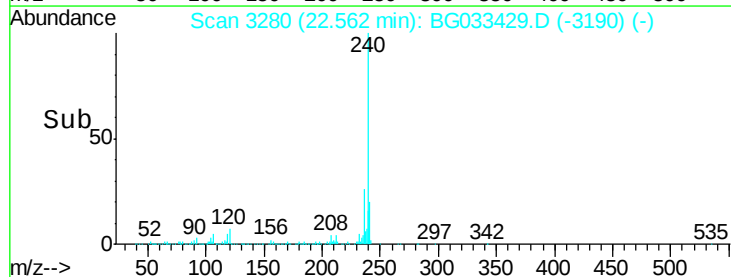
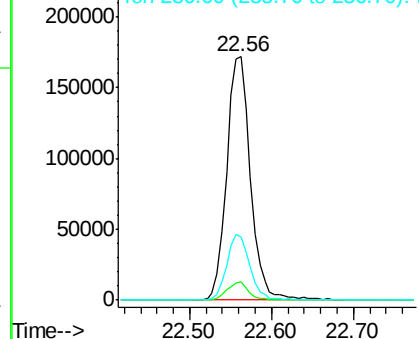


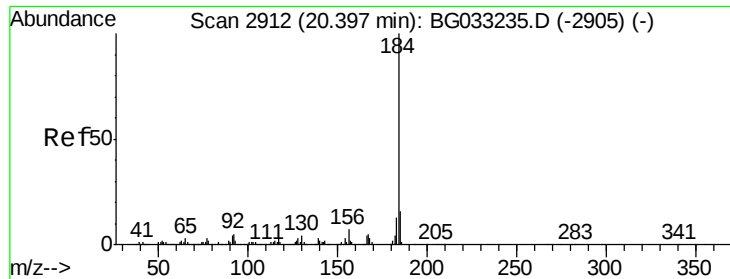
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. 0.00 min
Lab File: BG033429.D
Acq: 29 Mar 2018 20:50

Tgt Ion:240 Resp: 347497
Ion Ratio Lower Upper
240 100
120 7.5 6.8 10.2
236 25.9 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: 2.636 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033429.D

Acq: 29 Mar 2018 20:50

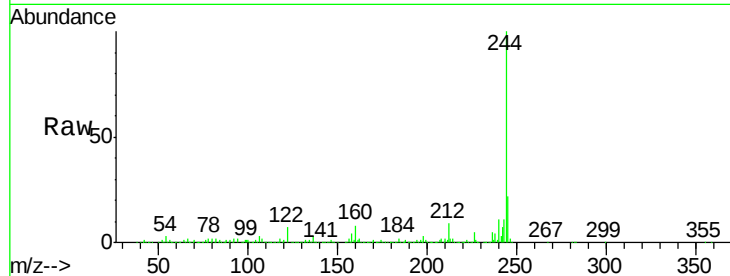
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 24839

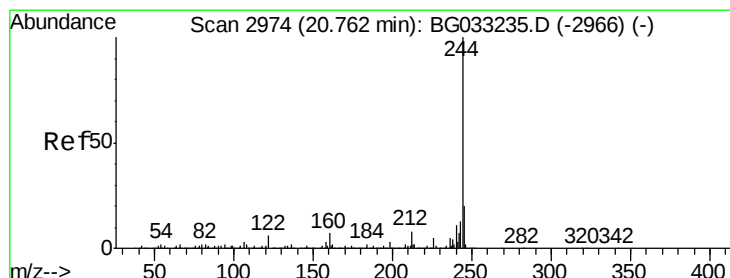
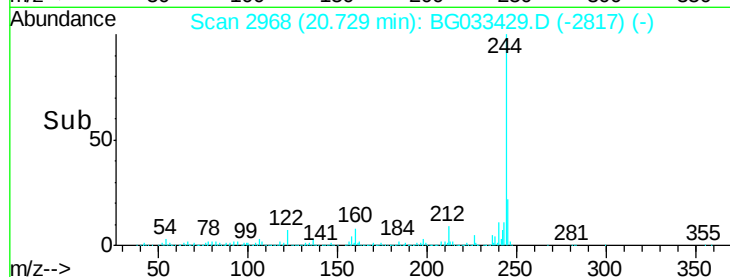
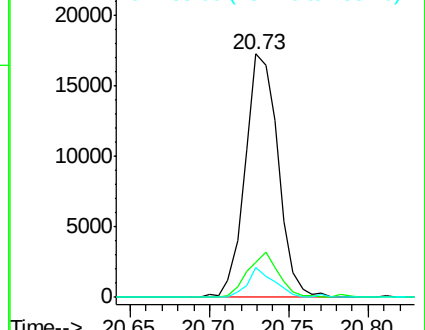
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.1	16.7
183	12.2	10.6	16.0



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: 94.424 ng

RT: 20.74 min Scan# 2969

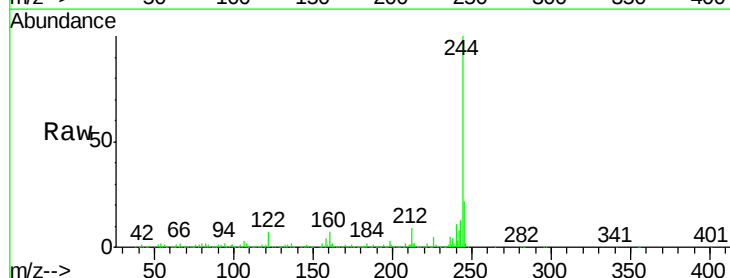
Delta R.T. 0.00 min

Lab File: BG033429.D

Acq: 29 Mar 2018 20:50

Tgt Ion:244 Resp: 1534275

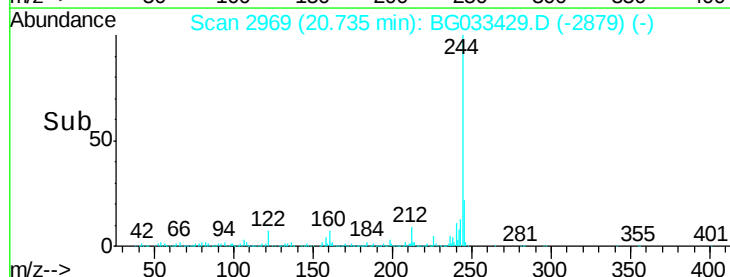
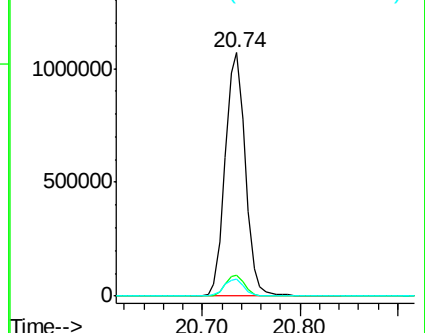
Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	6.8	7.0	10.4



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

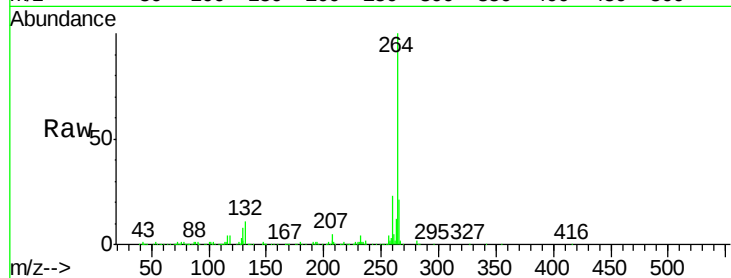




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3921
 Delta R.T. -0.01 min
 Lab File: BG033429.D
 Acq: 29 Mar 2018 20:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.2	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

