

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033910.D
 Acq On : 21 Apr 2018 7:35
 Operator : SJ/JU
 Sample : J2473-13
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-D-S

Quant Time: Apr 23 03:13:04 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

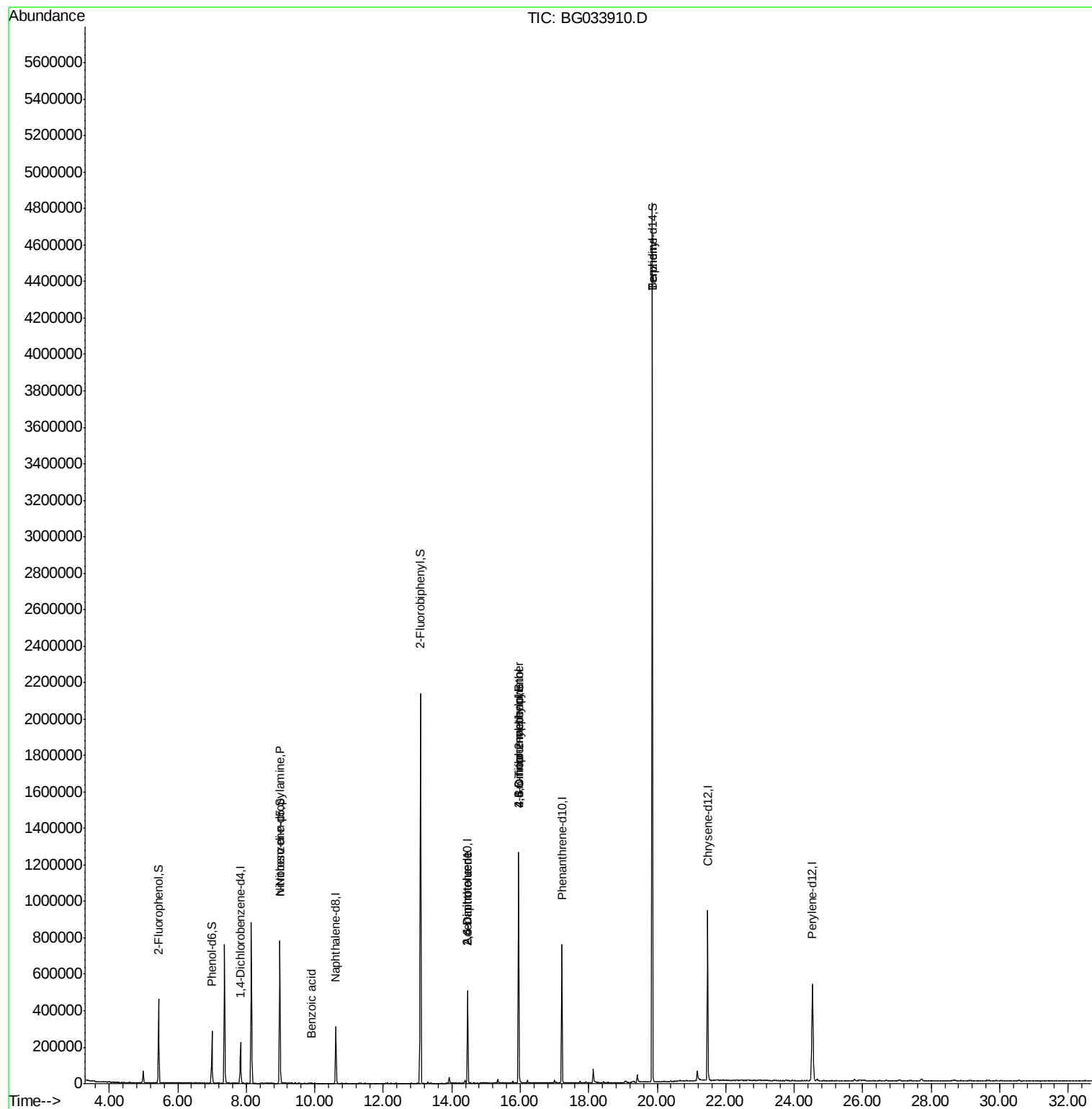
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	61450	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	262360	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	170880	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	461237	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	537720	20.00	ng	-0.02
86) Perylene-d12	24.53	264	543489	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	188538	48.98	ng	0.00
7) Phenol-d6	7.00	99	159750	28.46	ng	0.00
23) Nitrobenzene-d5	8.98	82	465645	101.01	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	224984	112.85	ng	-0.02
44) 2-Fluorobiphenyl	13.09	172	1120523	96.33	ng	-0.01
78) Terphenyl-d14	19.86	244	2224993	92.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.99	77	298	Below Cal		Qvalue # 5
19) n-Nitroso-di-n-propylamine	8.98	70	64744	13.530	ng	# 77
32) Benzoic acid	9.92	122	54	5.097	ng	# 1
50) 2,6-Dinitrotoluene	14.46	165	22195	7.792	ng	# 20
56) 2,4-Dinitrotoluene	14.46	165	22195	5.859	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.95	198	570	6.711	ng	# 72
66) 4-Bromophenyl-phenylether	15.96	248	11695	2.309	ng	# 1
76) Benzidine	19.85	184	37325	2.571	ng	# 93

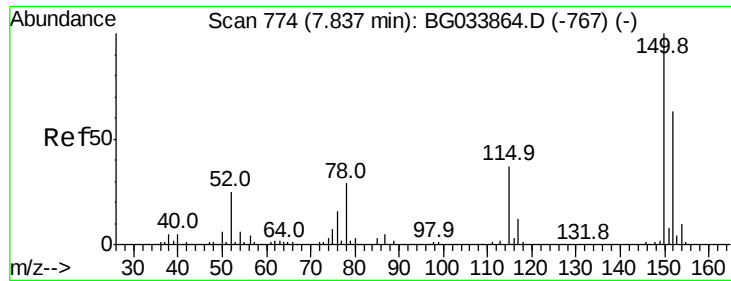
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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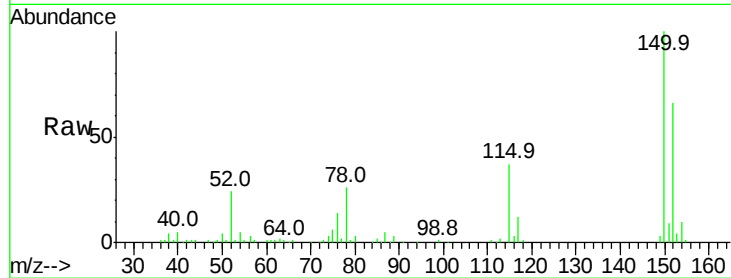


#1

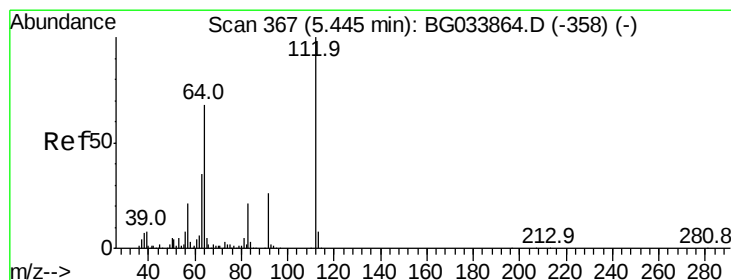
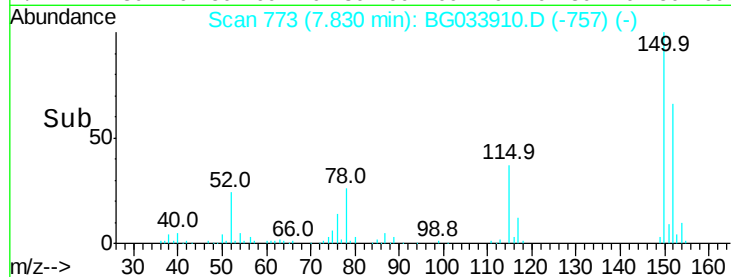
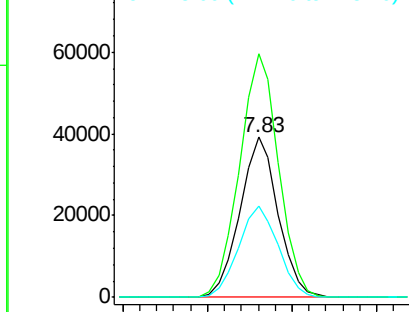
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033910.D
Acq: 21 Apr 2018 7:35

Instrument :
BNA_G
ClientSampleId :
041818-SIDW-F-D-S

Tot Ion:152 Resp: 61450
Ion Ratio Lower Upper
152 100
150 152.0 126.6 189.8
115 56.8 53.0 79.4



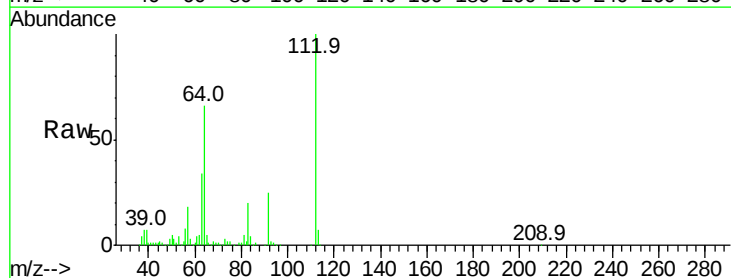
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



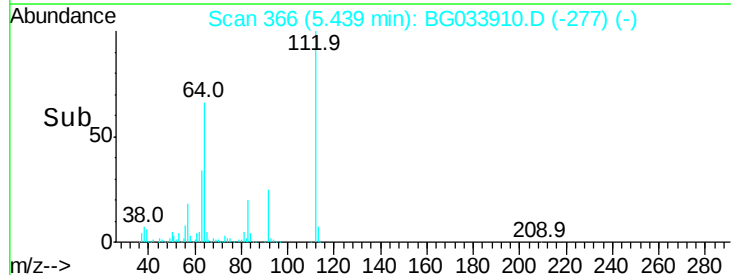
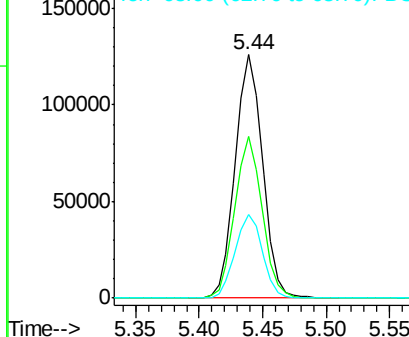
#5

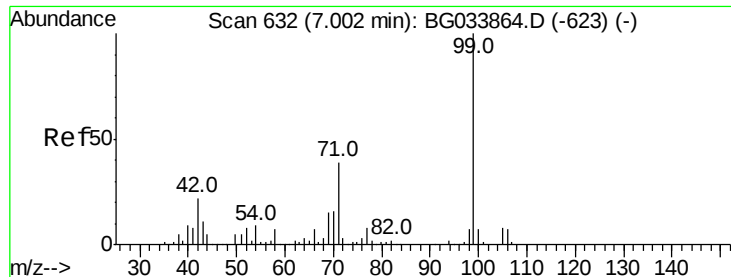
2-Fluorophenol
Concen: 48.984 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033910.D
Acq: 21 Apr 2018 7:35

Tgt Ion:112 Resp: 188538
Ion Ratio Lower Upper
112 100
64 66.4 56.3 84.5
63 34.2 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: 28.456 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033910.D

Acq: 21 Apr 2018 7:35

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-D-S

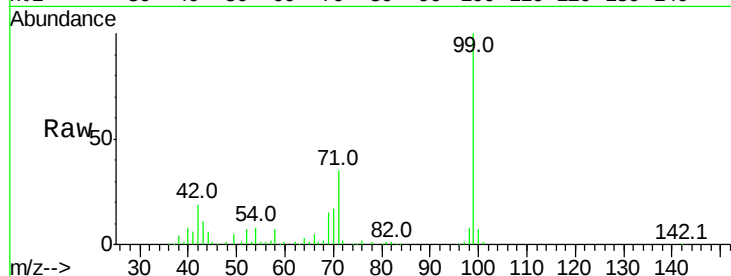
Tot Ion: 99 Resp: 159750

Ion Ratio Lower Upper

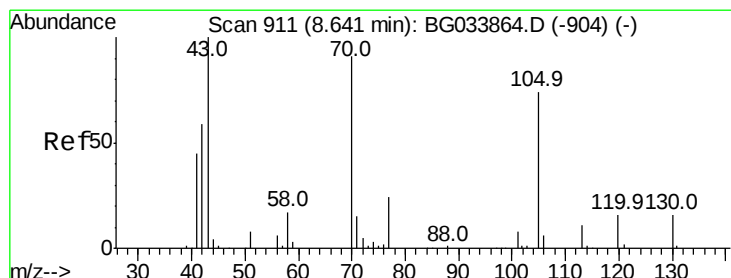
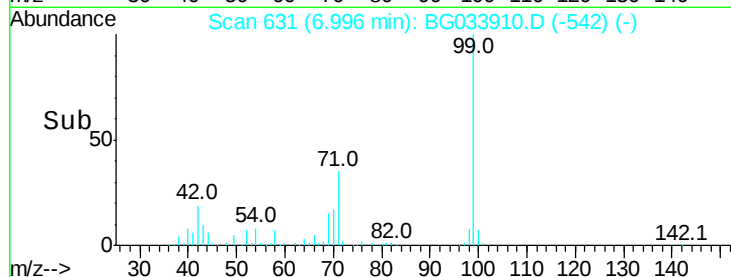
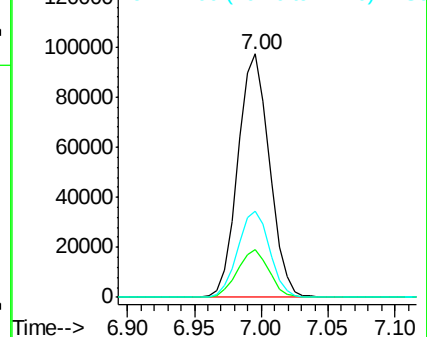
99 100

42 19.5 14.1 21.1

71 35.2 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.530 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033910.D

Acq: 21 Apr 2018 7:35

Tgt Ion: 70 Resp: 64744

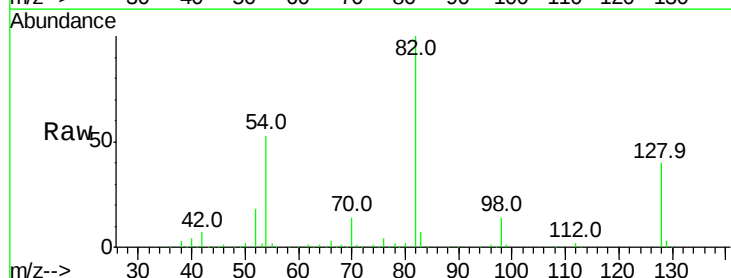
Ion Ratio Lower Upper

70 100

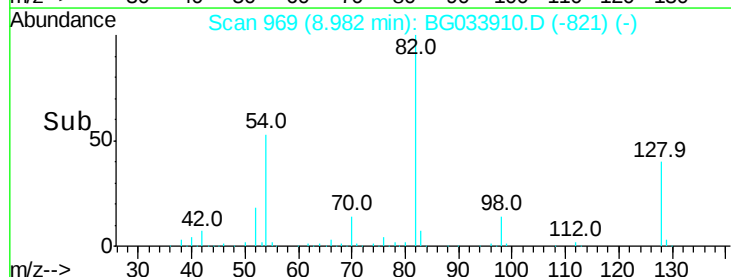
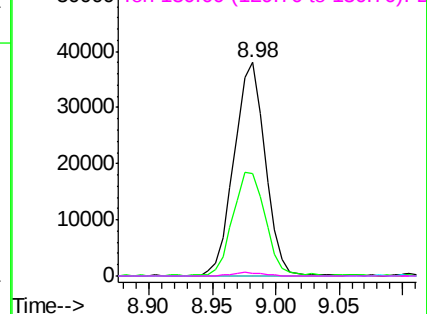
42 47.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

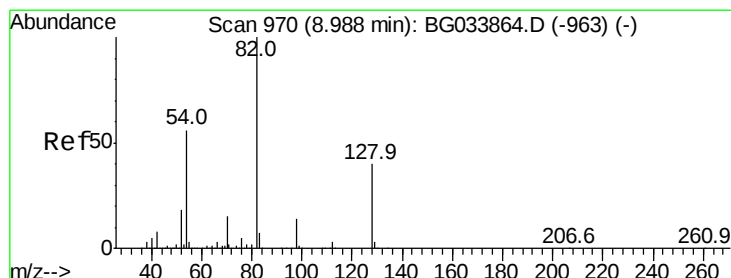
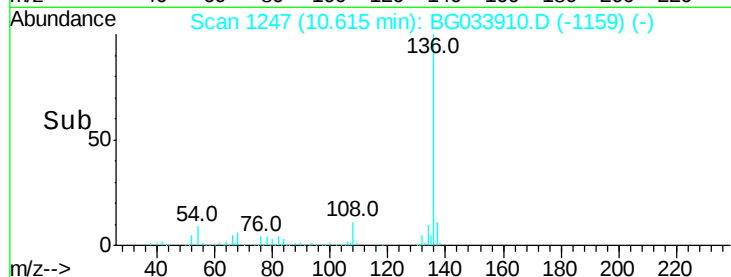
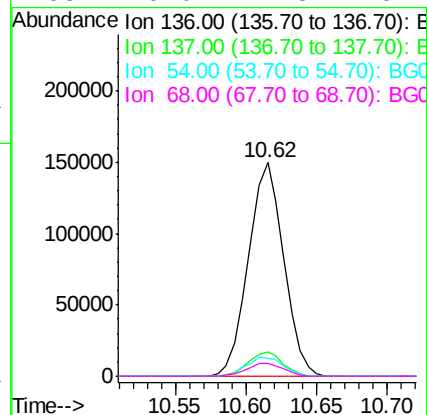
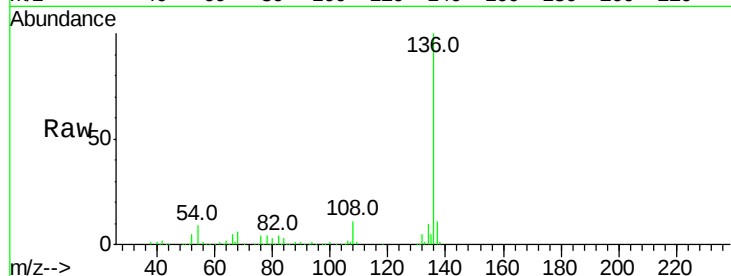




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033910.D
Acq: 21 Apr 2018 7:35

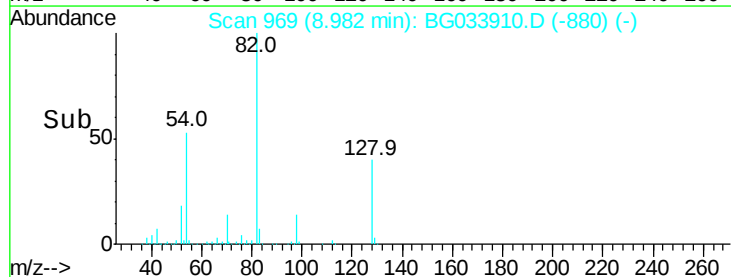
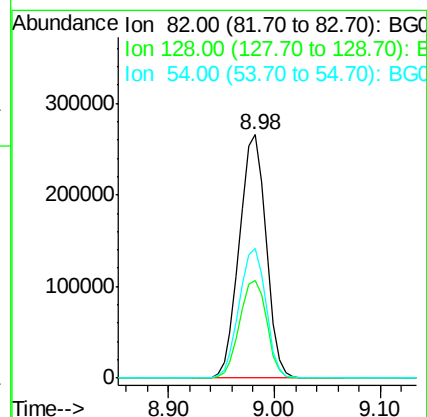
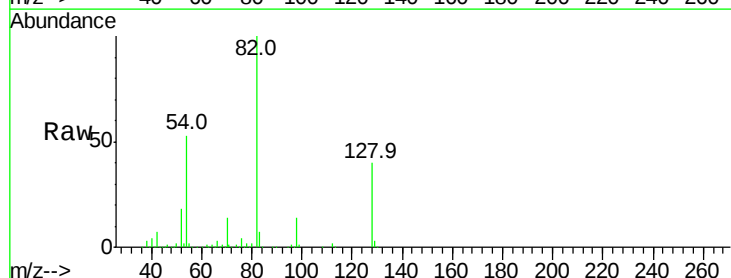
Instrument :
BNA_G
ClientSampleId :
041818-SIDW-F-D-S

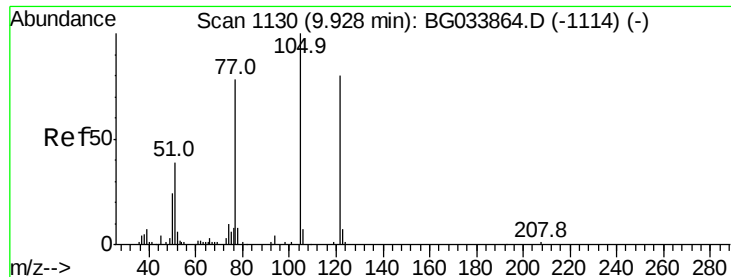
Tot Ion:136	Resp:	262360
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	8.5	10.3 15.5#
68	6.0	4.5 6.7



#23
Nitrobenzene-d5
Concen: 101.005 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033910.D
Acq: 21 Apr 2018 7:35

Tgt Ion: 82	Resp:	465645
Ion Ratio	Lower	Upper
82	100	
128	40.4	29.7 44.5
54	53.1	43.1 64.7

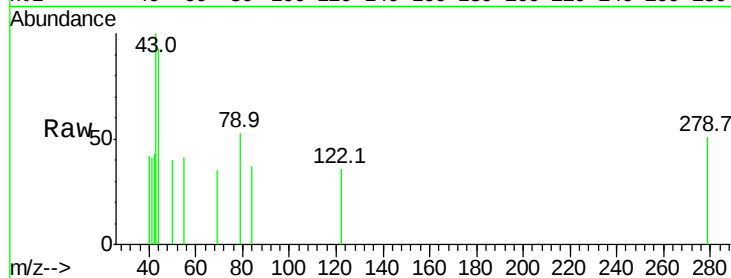




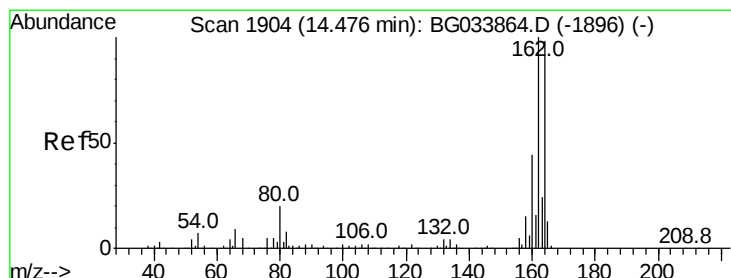
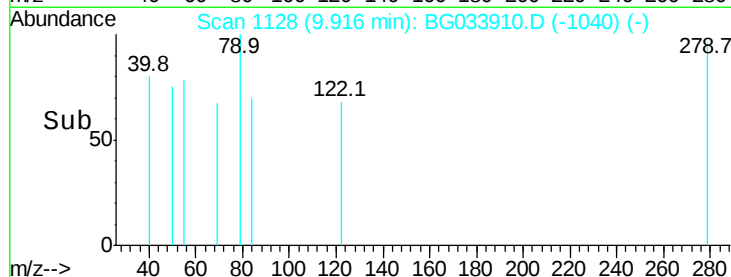
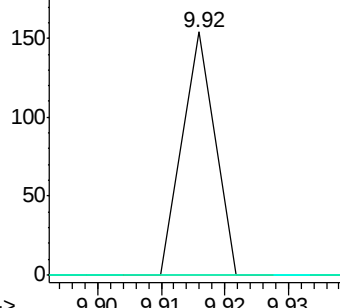
#32
Benzoic acid
Concen: 5.097 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG033910.D
Acq: 21 Apr 2018 7:35

Instrument :
BNA_G
ClientSampleId :
041818-SIDW-F-D-S

Tot Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

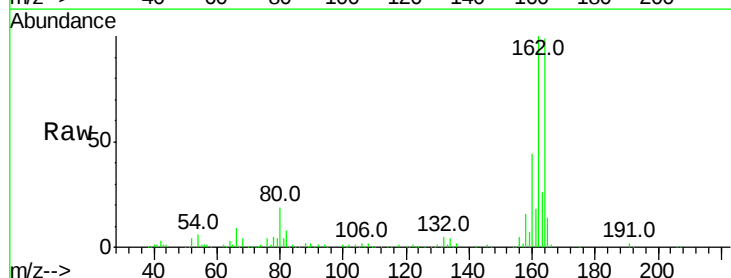


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

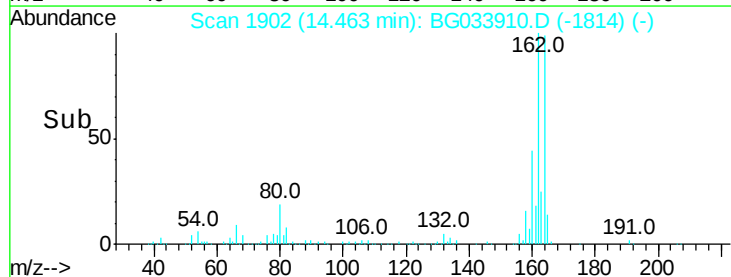
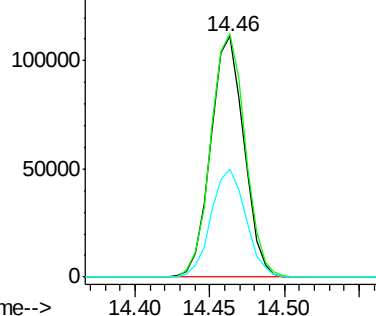


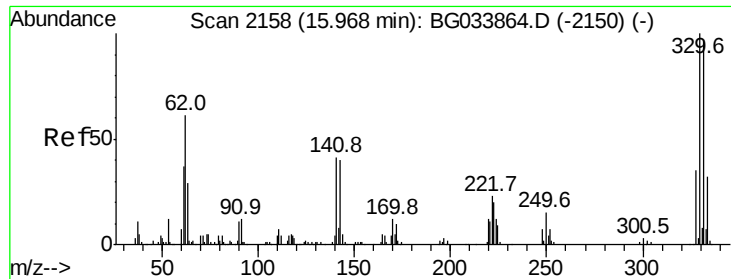
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BG033910.D
Acq: 21 Apr 2018 7:35

Tgt Ion:164 Resp: 170880
Ion Ratio Lower Upper
164 100
162 101.1 78.8 118.2
160 44.8 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

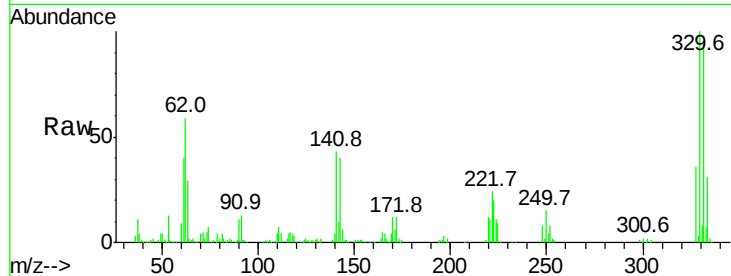




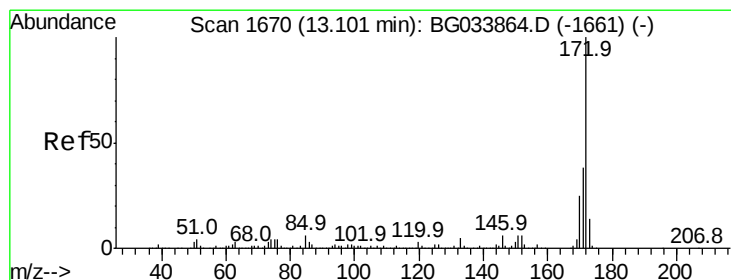
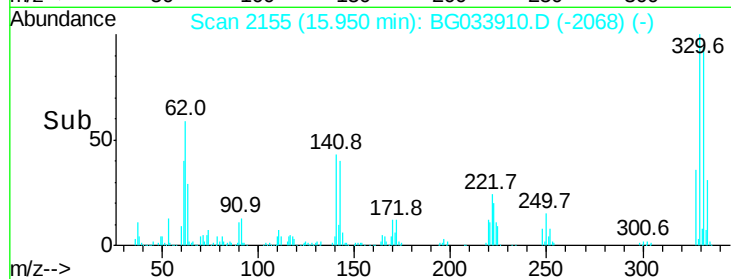
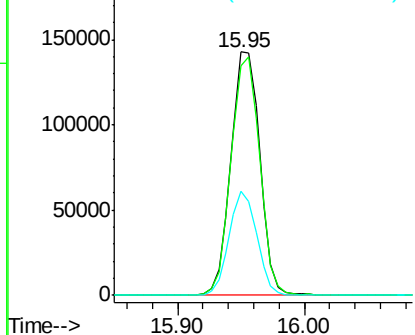
#41
 2,4,6-Tribromophenol
 Concen: 112.854 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033910.D
 Acq: 21 Apr 2018 7:35

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-D-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	41.2	25.2	37.8#

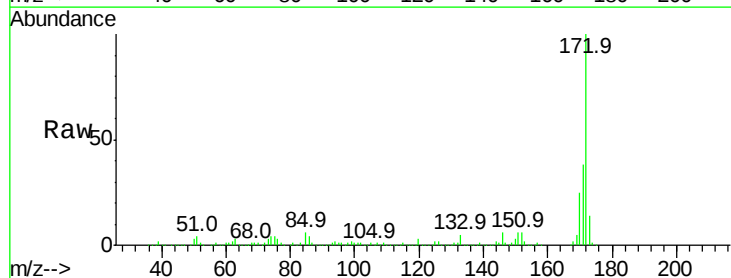


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

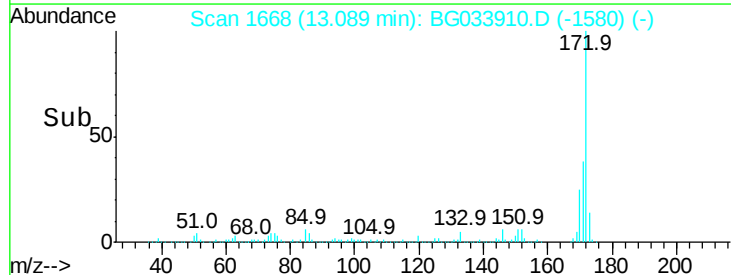
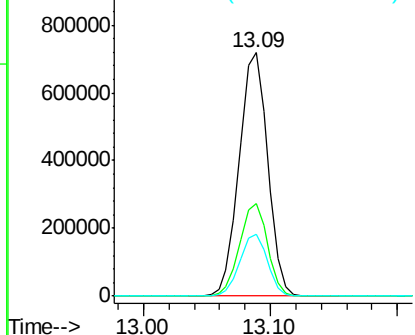


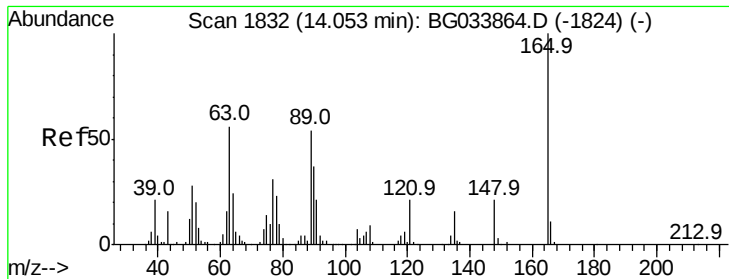
#44
 2-Fluorobiphenyl
 Concen: 96.329 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033910.D
 Acq: 21 Apr 2018 7:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	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

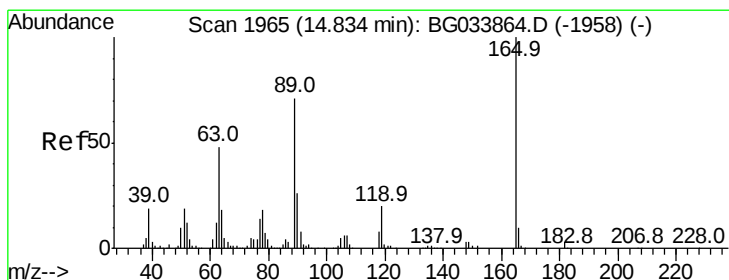
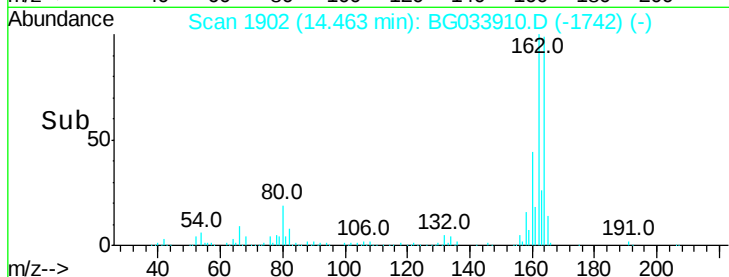
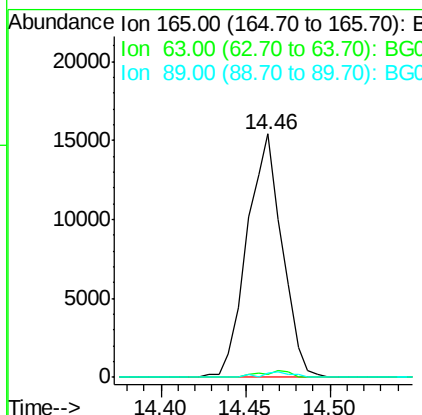
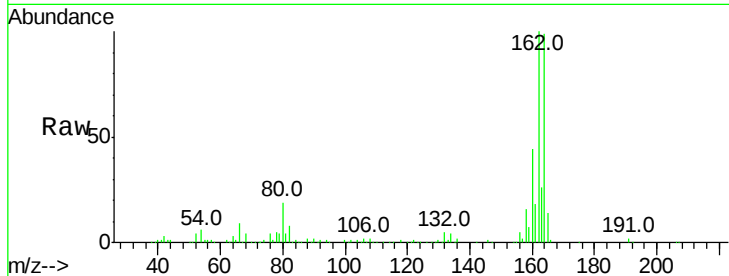




#50
 2,6-Dinitrotoluene
 Concen: 7.792 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. 0.41 min
 Lab File: BG033910.D
 Acq: 21 Apr 2018 7:35

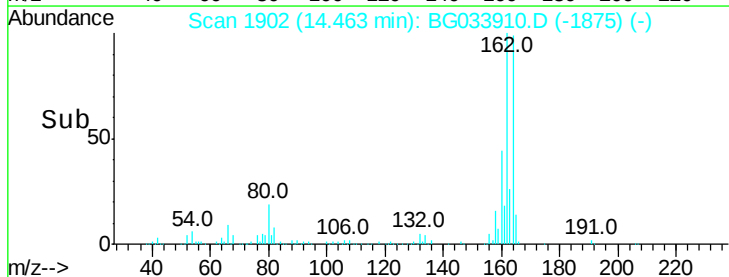
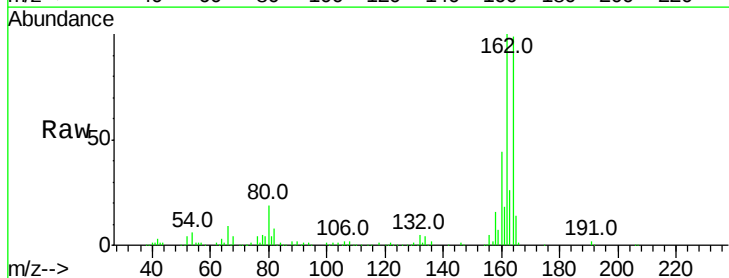
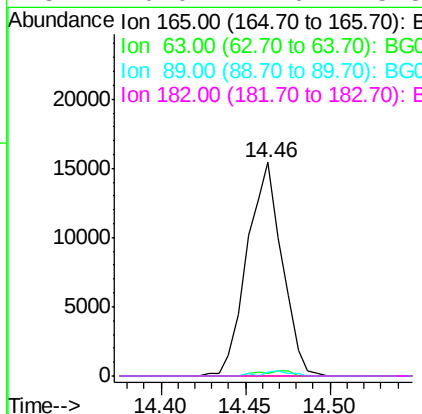
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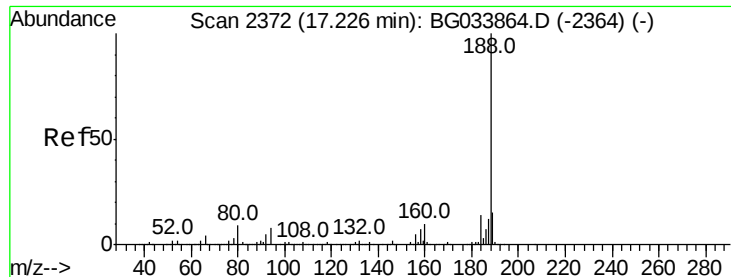
Tot Ion:165 Resp: 22195
 Ion Ratio Lower Upper
 165 100
 63 1.4 52.7 79.1#
 89 1.7 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.859 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. -0.37 min
 Lab File: BG033910.D
 Acq: 21 Apr 2018 7:35

Tgt Ion:165 Resp: 22195
 Ion Ratio Lower Upper
 165 100
 63 1.4 42.0 63.0#
 89 1.7 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2370

Delta R.T. -0.01 min

Lab File: BG033910.D

Acq: 21 Apr 2018 7:35

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-D-S

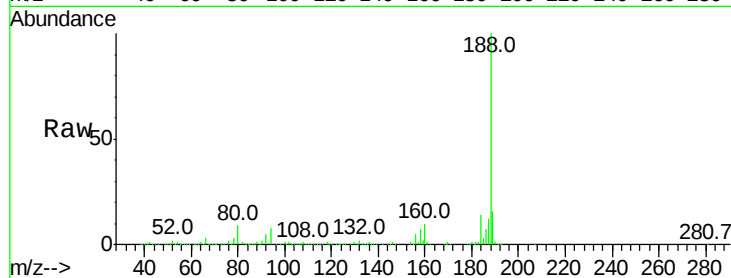
Tot Ion:188 Resp: 461237

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

80 9.1 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

400000

300000

200000

100000

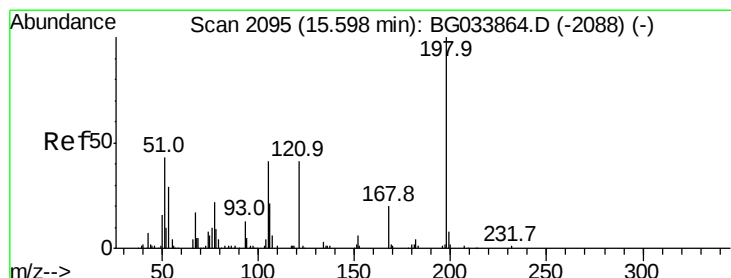
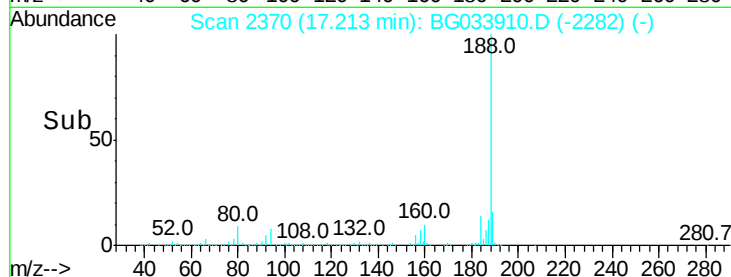
0

17.21

17.20

17.30

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 6.711 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.35 min

Lab File: BG033910.D

Acq: 21 Apr 2018 7:35

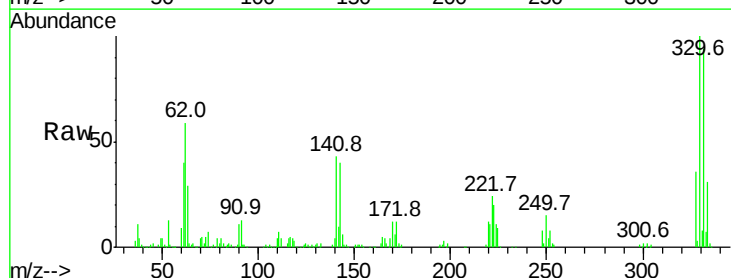
Tgt Ion:198 Resp: 570

Ion Ratio Lower Upper

198 100

51 32.3 30.6 70.6

105 24.6 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

1200

1000

800

600

400

200

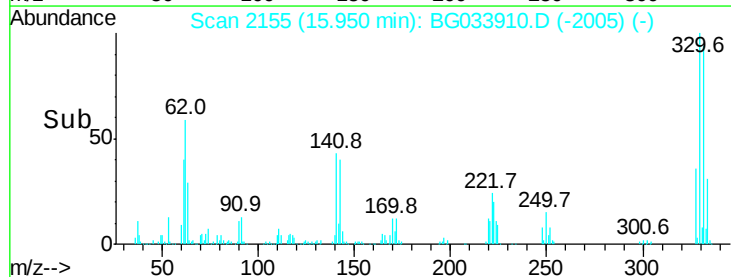
0

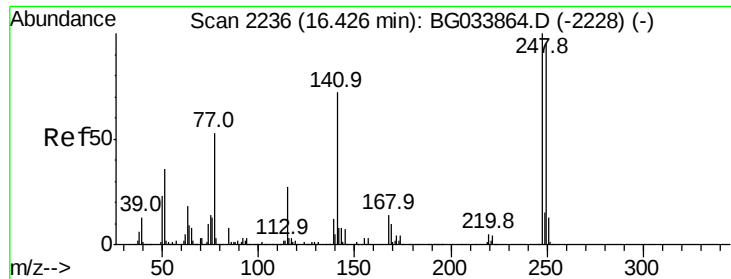
15.95

15.90

16.00

Time-->

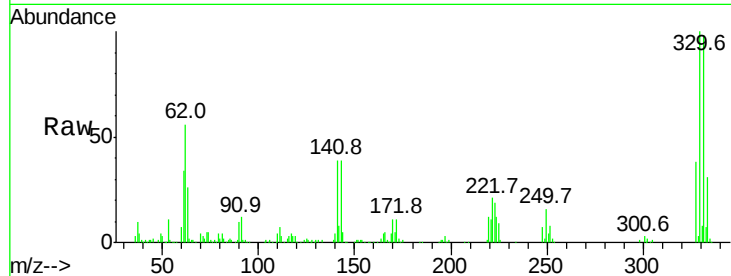




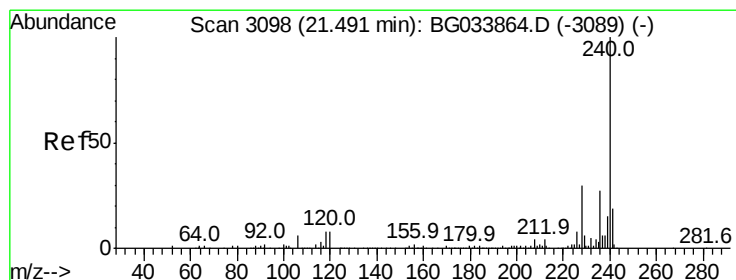
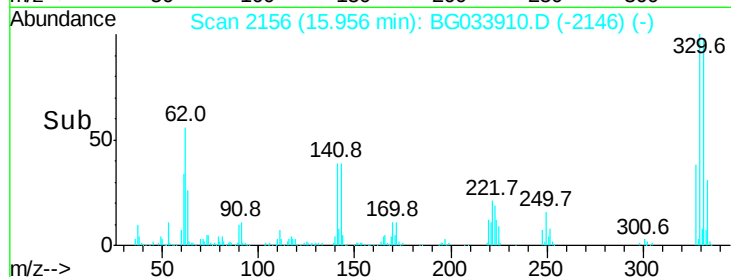
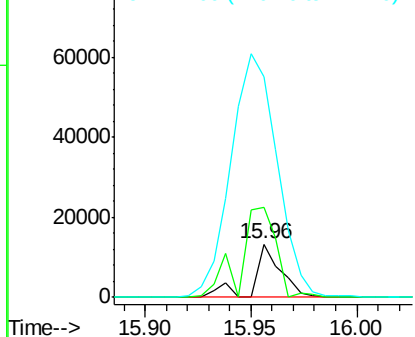
#66
4-Bromophenyl-phenylether
Concen: 2.309 ng
RT: 15.96 min Scan# 2156
Delta R.T. -0.47 min
Lab File: BG033910.D
Acq: 21 Apr 2018 7:35

Instrument :
BNA_G
ClientSampleId :
041818-SIDW-F-D-S

Tot Ion:248 Resp: 11695
Ion Ratio Lower Upper
248 100
250 215.7 77.1 115.7#
141 413.5 50.8 76.2#

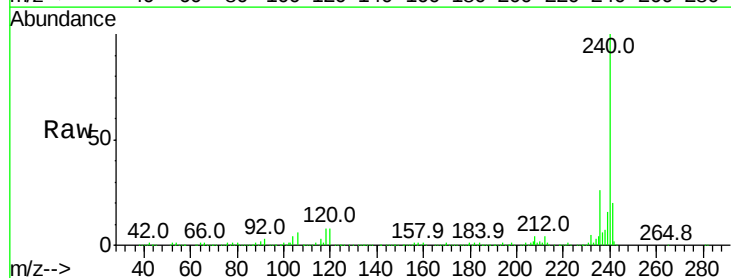


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

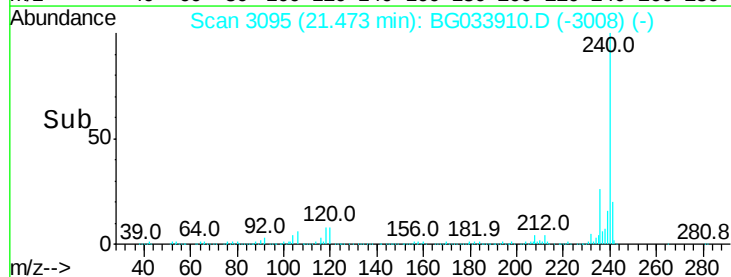
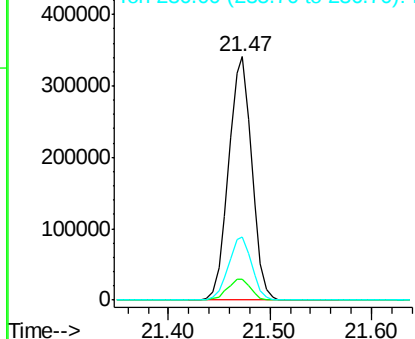


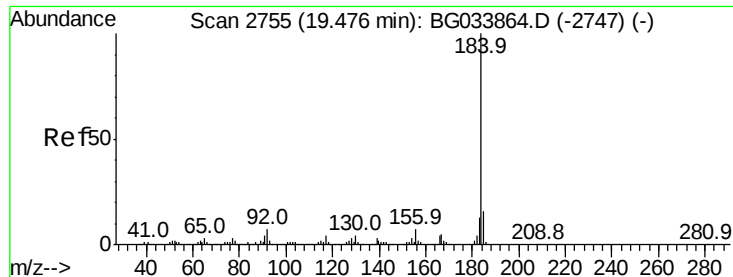
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BG033910.D
Acq: 21 Apr 2018 7:35

Tgt Ion:240 Resp: 537720
Ion Ratio Lower Upper
240 100
120 8.3 6.8 10.2
236 25.7 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: 2.571 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.38 min

Lab File: BG033910.D

Acq: 21 Apr 2018 7:35

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-D-S

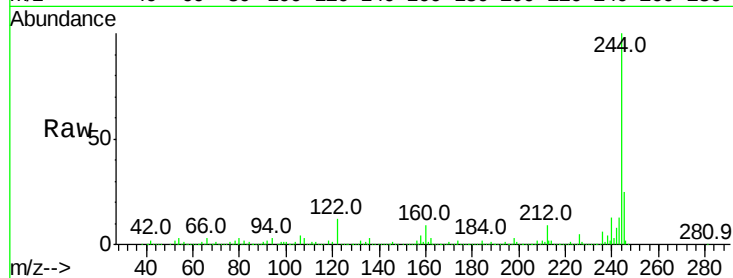
Tot Ion:184 Resp: 37325

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

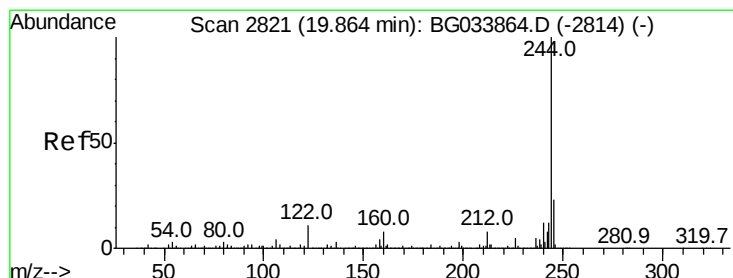
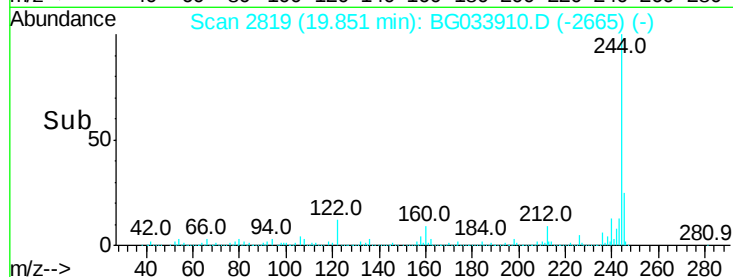
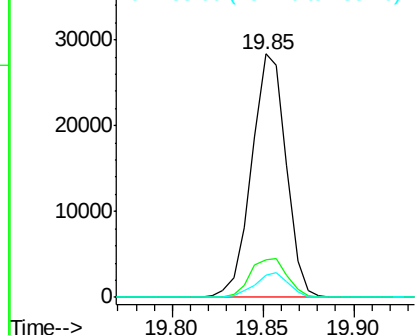
183 9.0 10.6 16.0#



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: 92.961 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033910.D

Acq: 21 Apr 2018 7:35

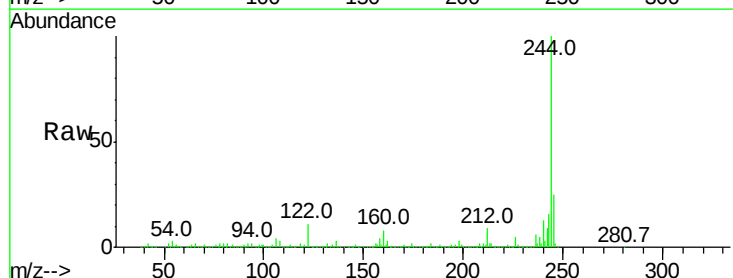
Tgt Ion:244 Resp: 2224993

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

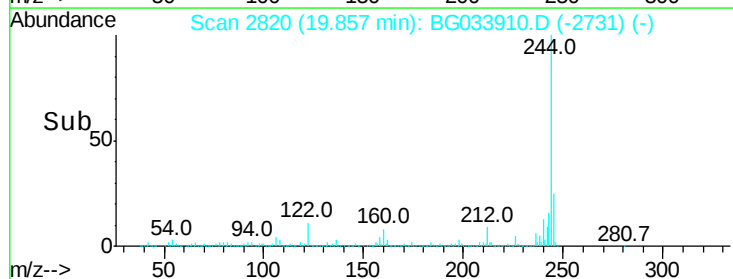
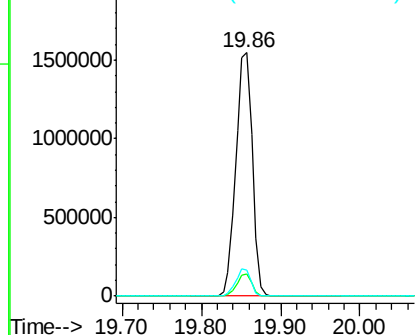
122 10.6 7.0 10.4#

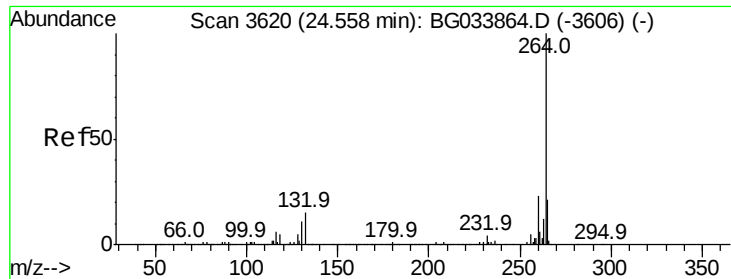


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

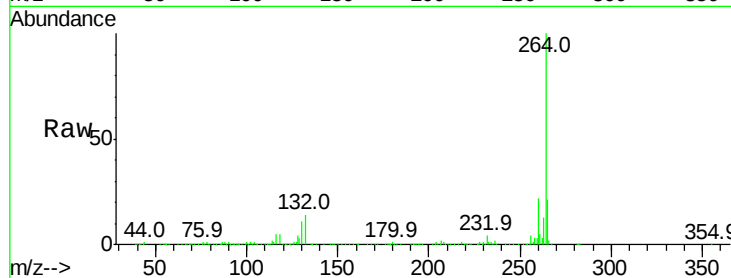




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.53 min Scan# 3616
 Delta R.T. -0.02 min
 Lab File: BG033910.D
 Acq: 21 Apr 2018 7:35

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-D-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	21.5	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

