

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090418\
 Data File : BG036540.D
 Acq On : 4 Sep 2018 20:25
 Operator : JU/SJ
 Sample : PB112577BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 05 02:29:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

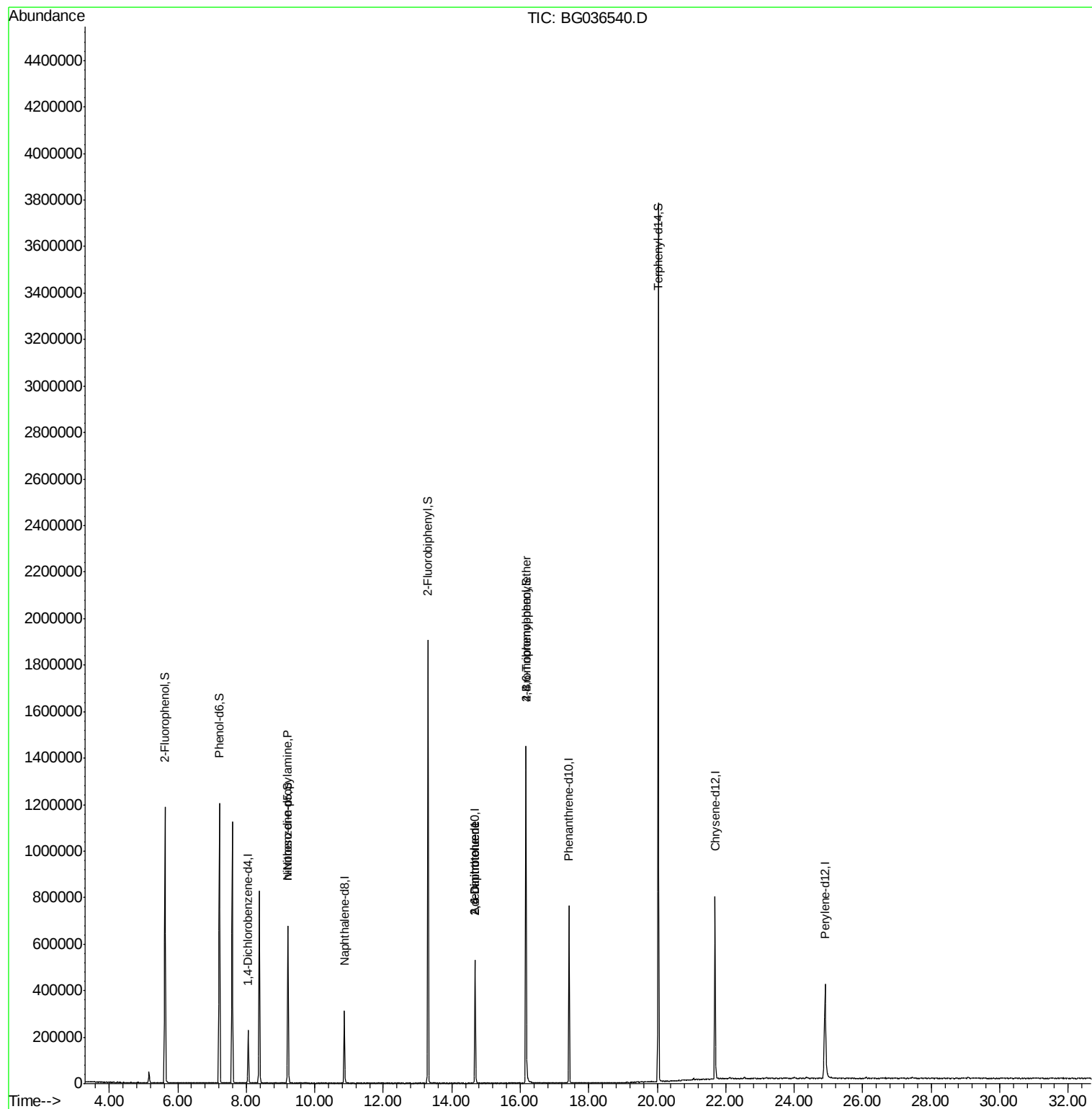
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	65344	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	265149	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	176465	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	464048	20.00	ng	0.00
75) Chrysene-d12	21.69	240	497566	20.00	ng	0.00
86) Perylene-d12	24.90	264	478256	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	494655	120.08	ng	0.00
7) Phenol-d6	7.21	99	688064	116.66	ng	0.00
23) Nitrobenzene-d5	9.22	82	414076	84.73	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	280016	132.98	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	991914	80.26	ng	0.00
78) Terphenyl-d14	20.03	244	1721016	80.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	54541	12.374	ng	# 73
50) 2,6-Dinitrotoluene	14.68	165	22245	7.502	ng	# 22
56) 2,4-Dinitrotoluene	14.68	165	22245	5.756	ng	# 21
66) 4-Bromophenyl-phenylether	16.17	248	19878	3.659	ng	# 1

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

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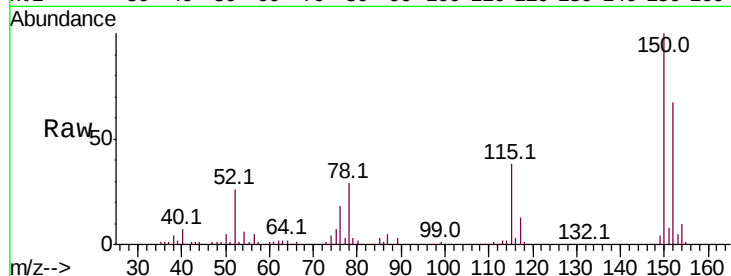


#1

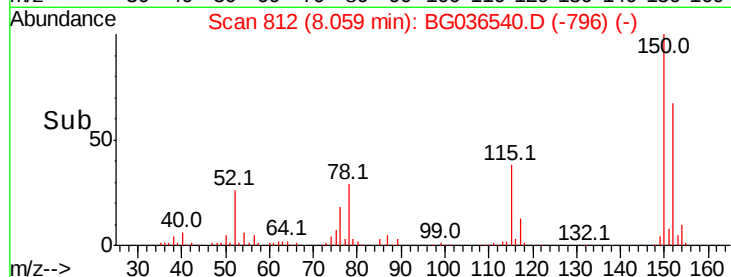
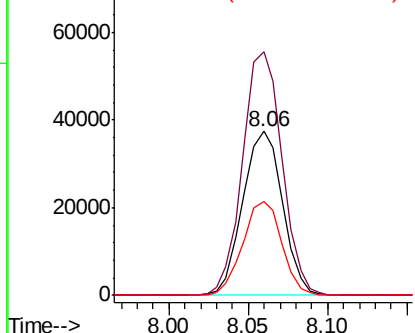
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG036540.D
Acq: 4 Sep 2018 20:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65344
Ion Ratio Lower Upper
152 100
150 148.3 119.5 179.3
115 56.9 44.5 66.7



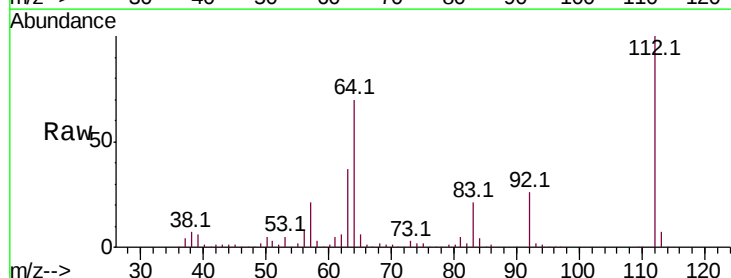
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



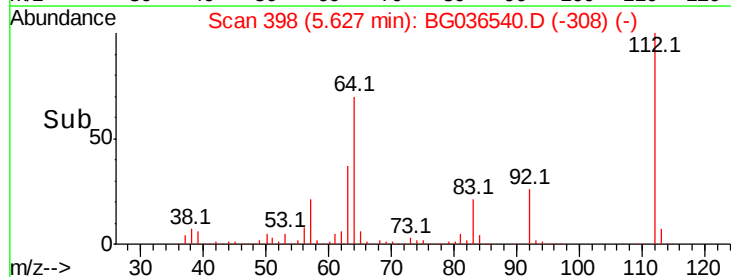
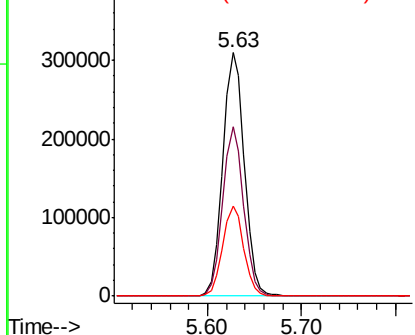
#5

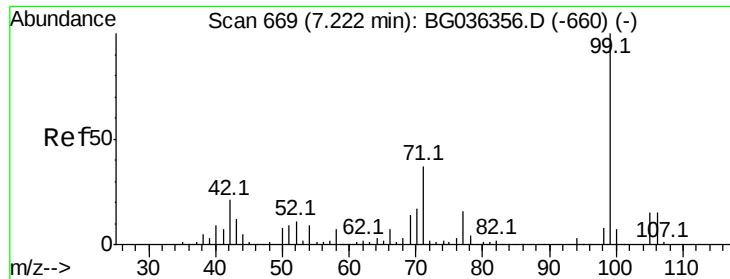
2-Fluorophenol
Concen: 120.083 ng
RT: 5.63 min Scan# 398
Delta R.T. 0.00 min
Lab File: BG036540.D
Acq: 4 Sep 2018 20:25

Tgt Ion:112 Resp: 494655
Ion Ratio Lower Upper
112 100
64 69.6 57.2 85.8
63 36.8 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 116.665 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG036540.D

Acq: 4 Sep 2018 20:25

Instrument :

BNA_G

ClientSampled :

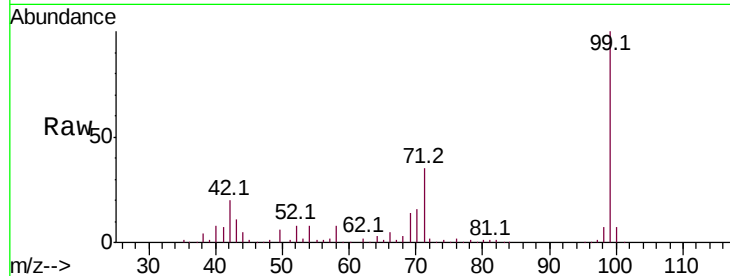
Tot Ion: 99 Resp: 688064

Ion Ratio Lower Upper

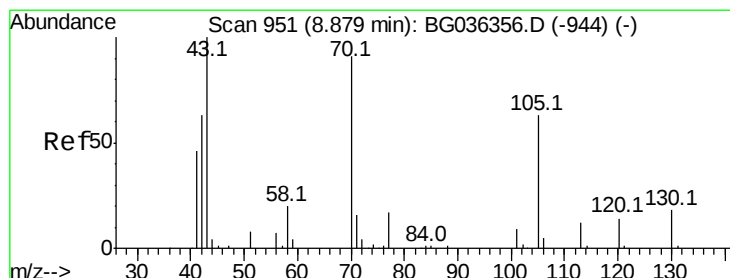
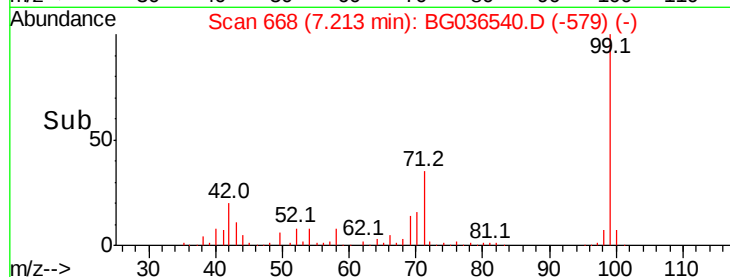
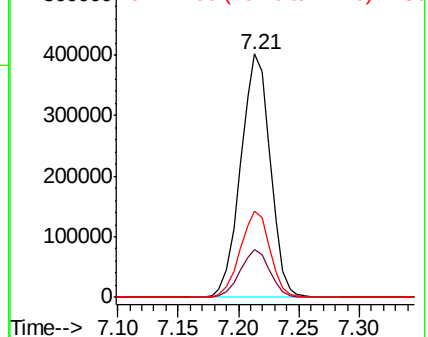
99 100

42 19.8 16.5 24.7

71 35.5 29.4 44.2



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: 12.374 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036540.D

Acq: 4 Sep 2018 20:25

Tgt Ion: 70 Resp: 54541

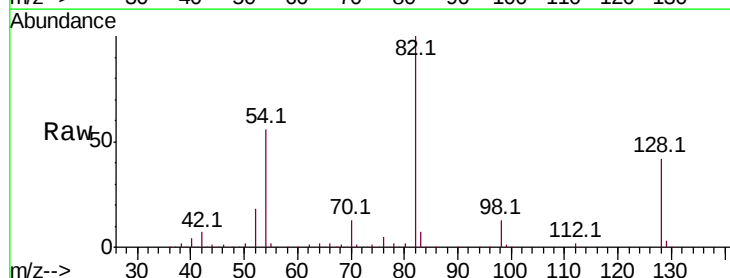
Ion Ratio Lower Upper

70 100

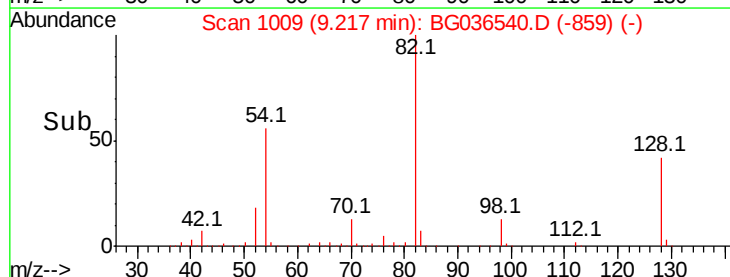
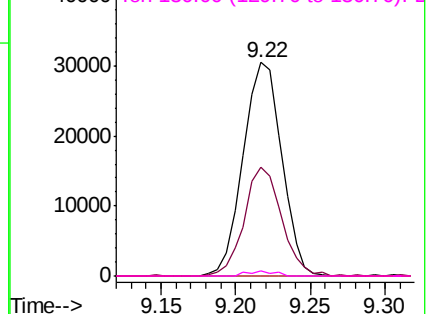
42 50.8 56.2 84.4#

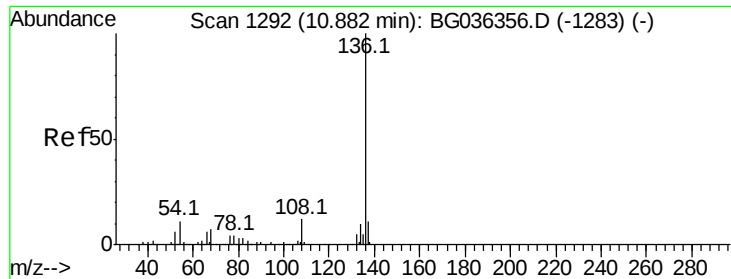
101 0.0 7.8 11.6#

130 2.4 16.2 24.2#



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

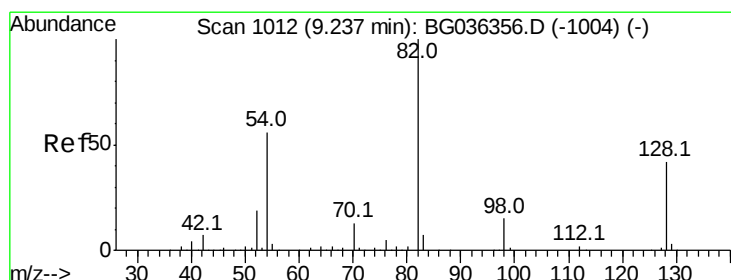
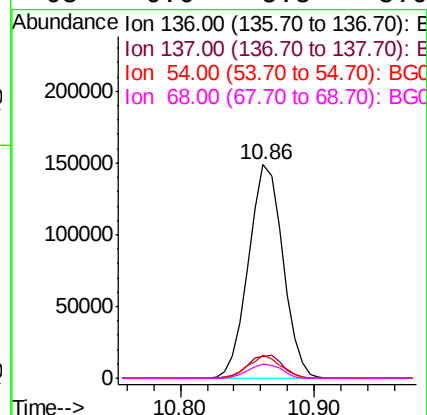
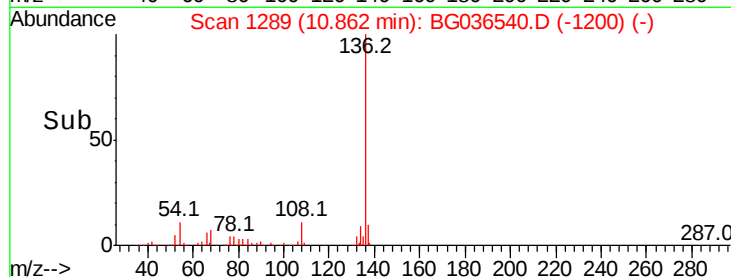
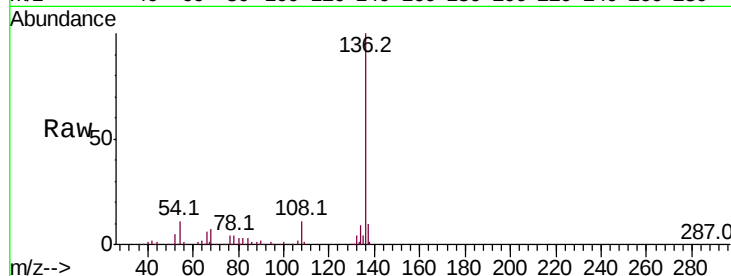




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG036540.D
Acq: 4 Sep 2018 20:25

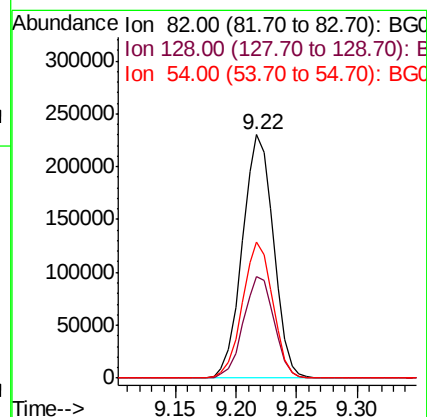
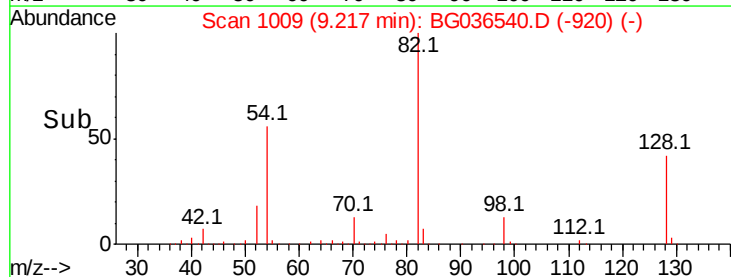
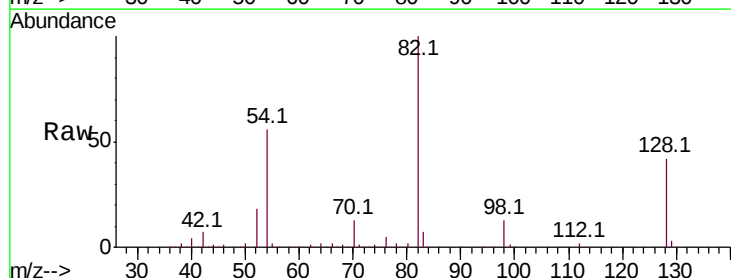
Instrument :
BNA_G
ClientSampleId :

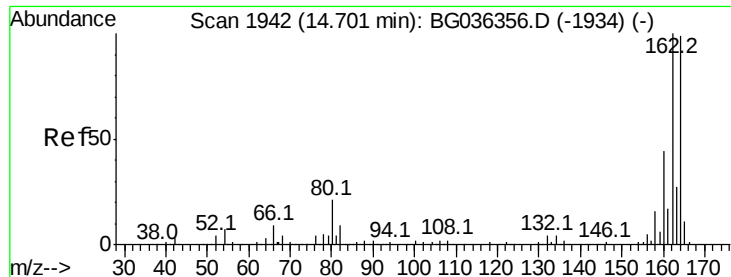
Tot Ion:136	Resp:	265149
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.8	13.2
54 10.8	9.2	13.8
68 6.6	5.8	8.6



#23
Nitrobenzene-d5
Concen: 84.731 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG036540.D
Acq: 4 Sep 2018 20:25

Tgt	Ion: 82	Resp:	414076
Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.3	49.9
54	55.8	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG036540.D

Acq: 4 Sep 2018 20:25

Instrument :

BNA_G

ClientSampleId :

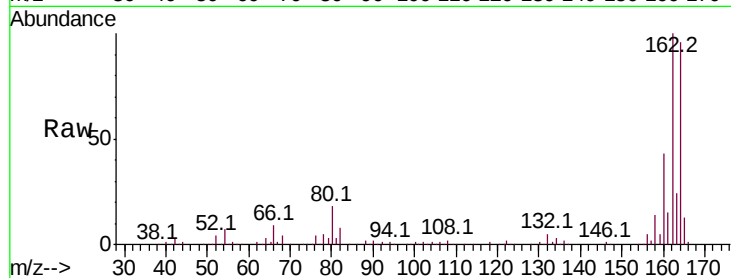
Tot Ion:164 Resp: 176465

Ion Ratio Lower Upper

164 100

162 104.0 80.7 121.1

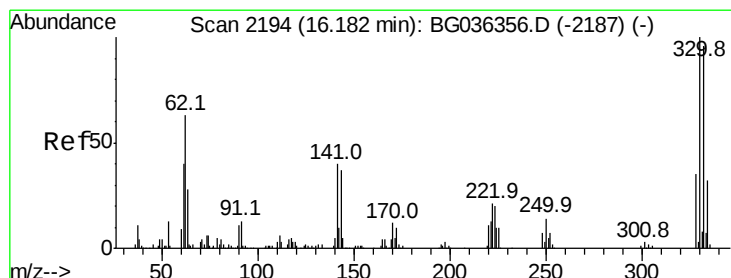
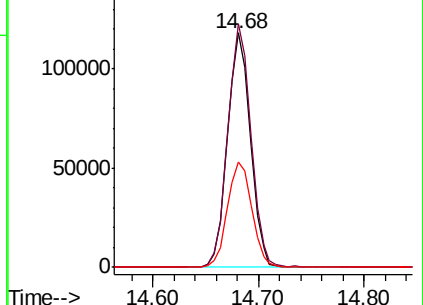
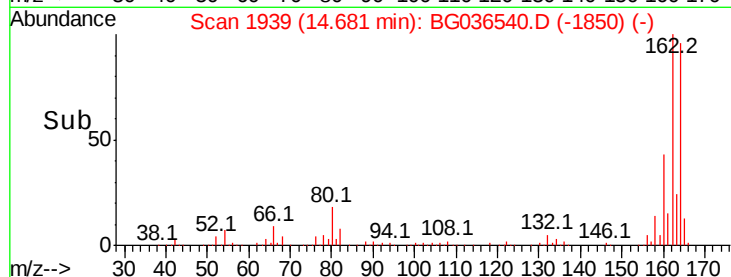
160 44.9 35.3 52.9



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: 132.985 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG036540.D

Acq: 4 Sep 2018 20:25

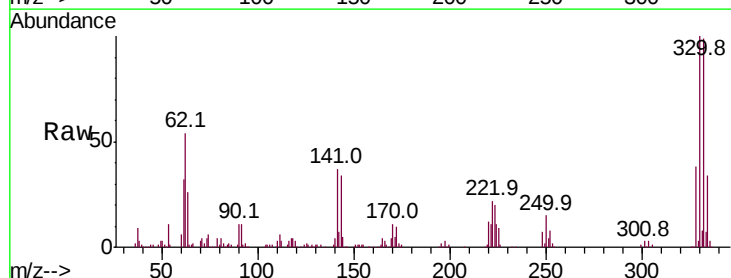
Tgt Ion:330 Resp: 280016

Ion Ratio Lower Upper

330 100

332 96.4 75.4 113.2

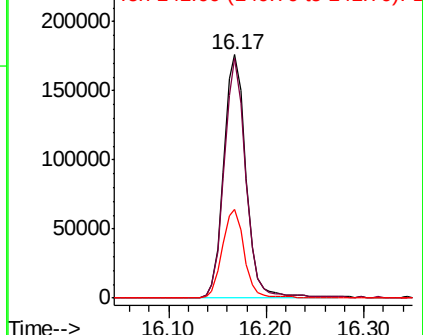
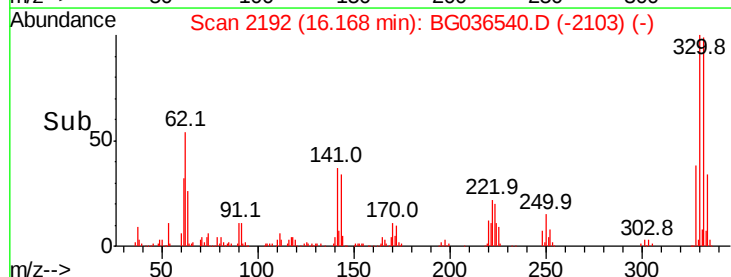
141 36.4 30.7 46.1



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

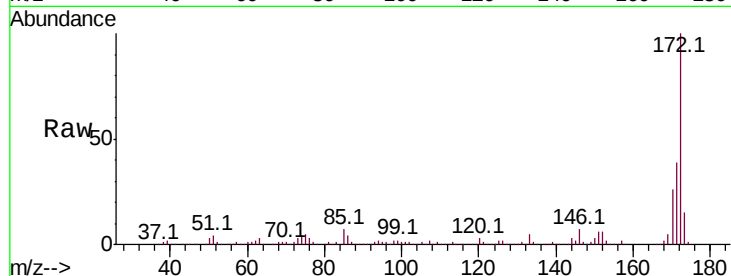




#44
 2-Fluorobiphenyl
 Concen: 80.258 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: BG036540.D
 Acq: 4 Sep 2018 20:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.3	46.9
170	26.3	21.0	31.6

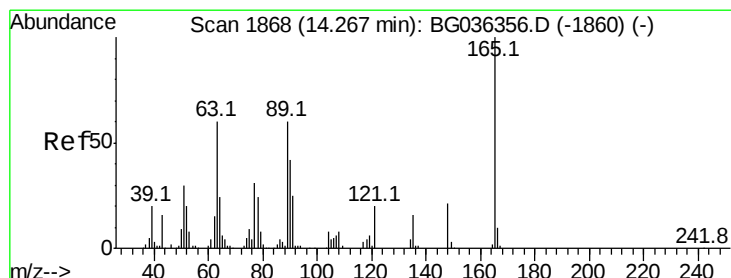
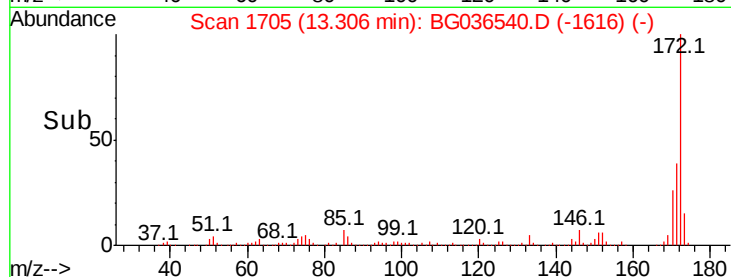
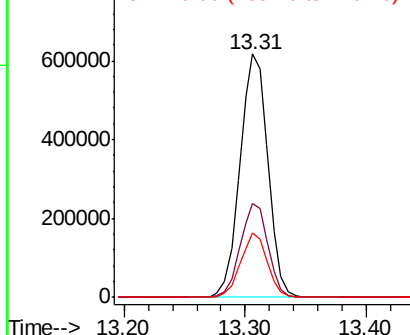


Abundance

Ion 172.00 (171.70 to 172.70): E

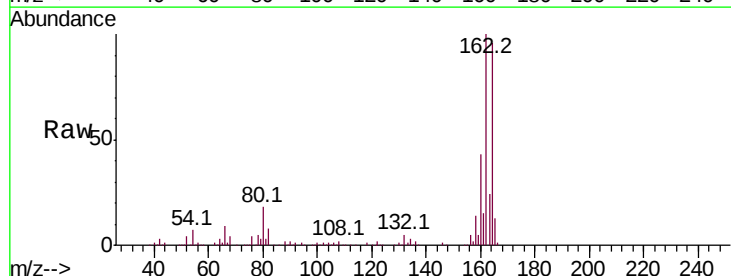
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
 2,6-Dinitrotoluene
 Concen: 7.502 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.42 min
 Lab File: BG036540.D
 Acq: 4 Sep 2018 20:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	50.1	75.1#
89	2.3	47.8	71.6#

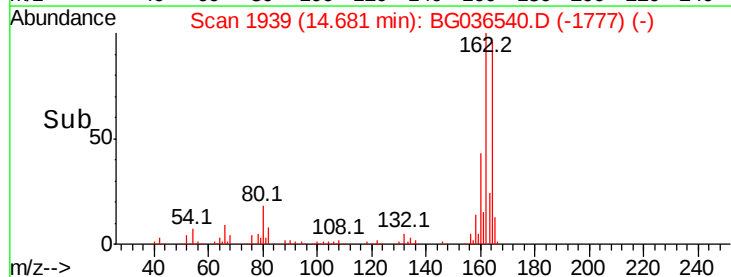
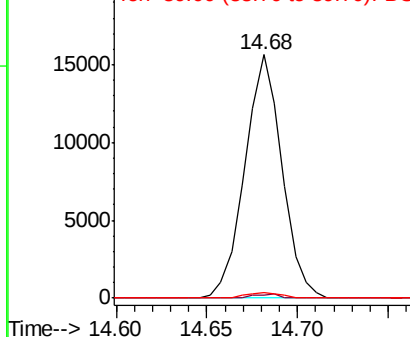


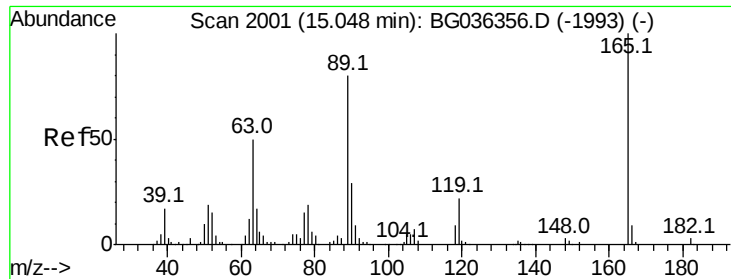
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

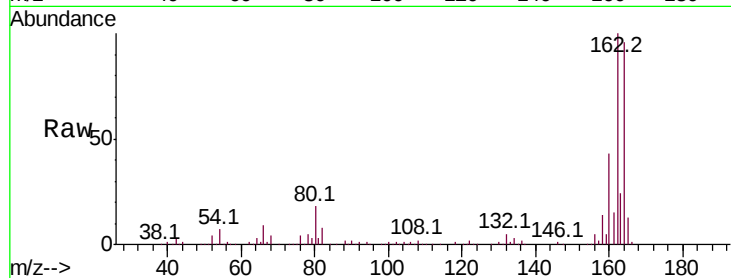




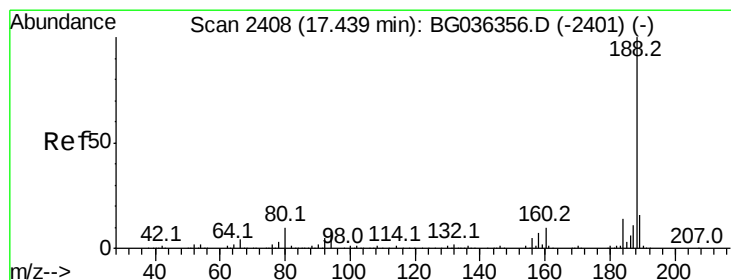
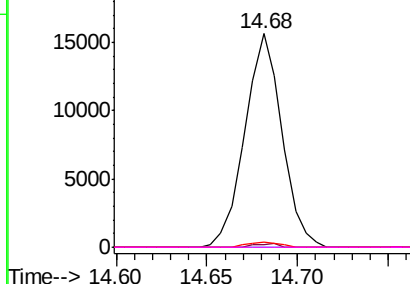
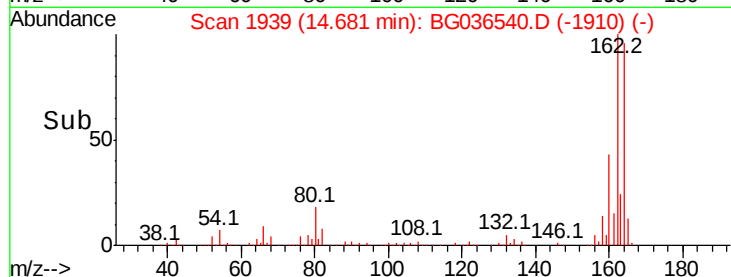
#56
 2,4-Dinitrotoluene
 Concen: 5.756 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.36 min
 Lab File: BG036540.D
 Acq: 4 Sep 2018 20:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 22245
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.1 60.1#
 89 2.3 63.7 95.5#
 182 0.0 2.5 3.7#

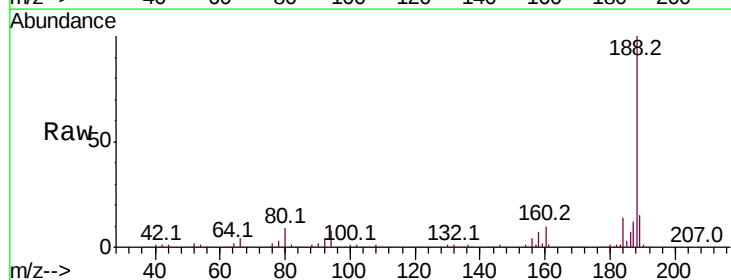


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

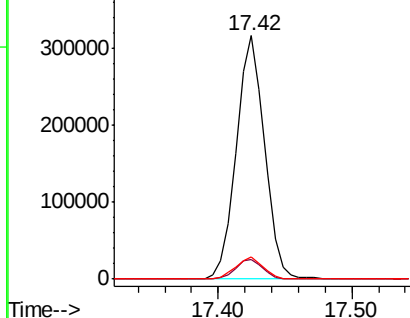
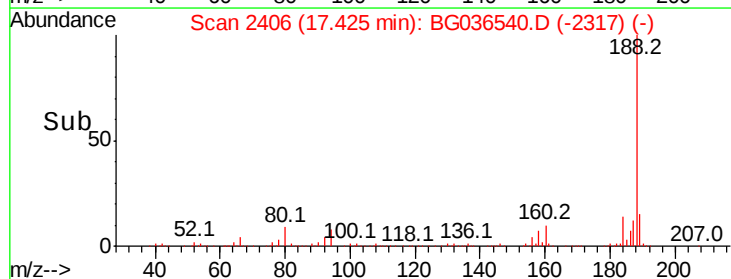


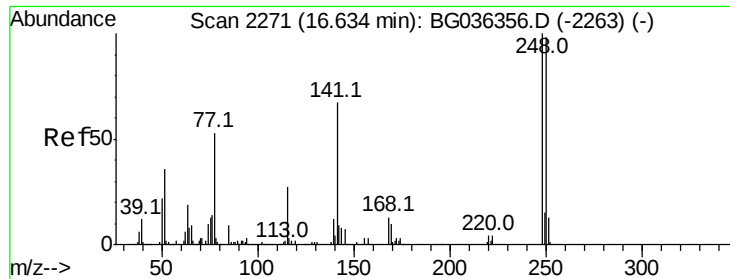
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.00 min
 Lab File: BG036540.D
 Acq: 4 Sep 2018 20:25

Tgt Ion:188 Resp: 464048
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.7 10.1
 80 8.9 8.1 12.1



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

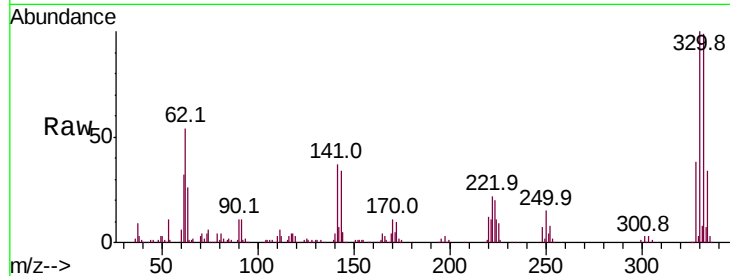




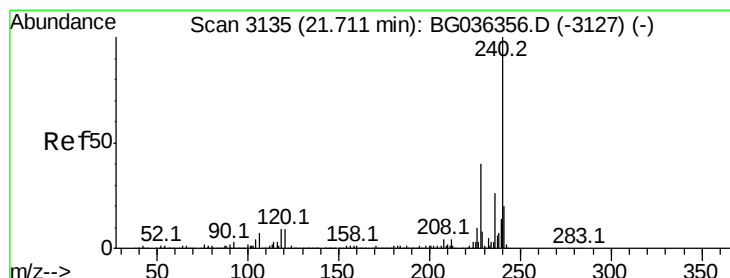
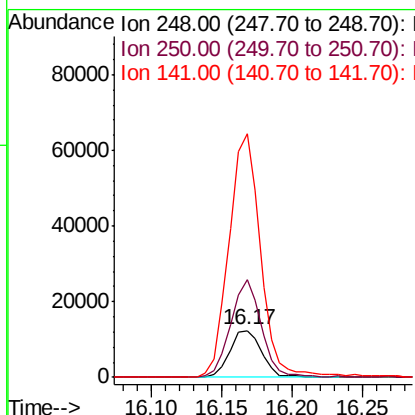
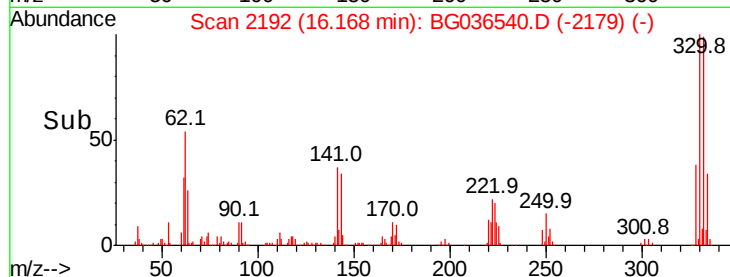
#66
4-Bromophenyl-phenylether
Concen: 3.659 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.45 min
Lab File: BG036540.D
Acq: 4 Sep 2018 20:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19878
Ion Ratio Lower Upper
248 100
250 206.9 78.1 117.1#
141 517.8 53.7 80.5#

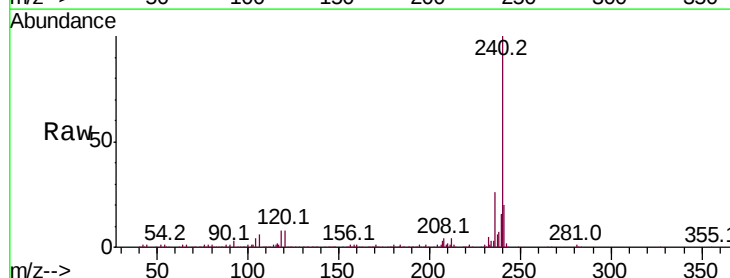


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

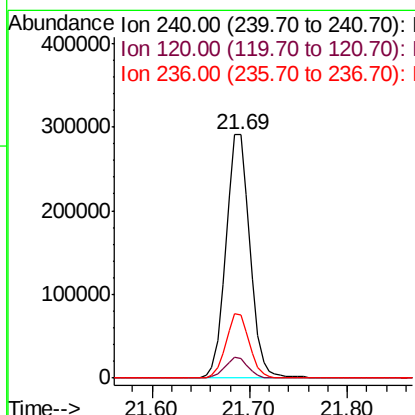
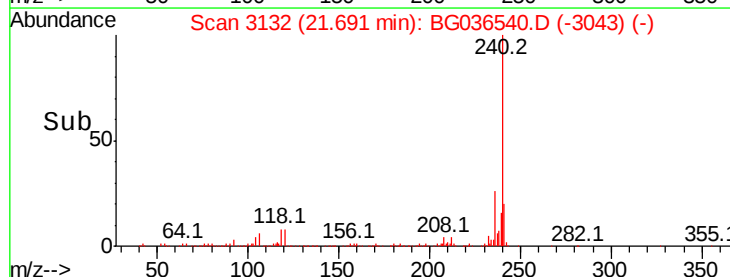


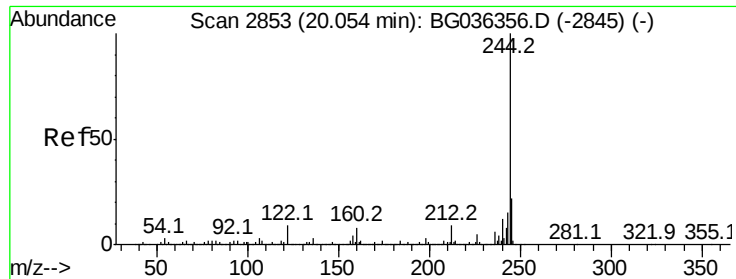
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.00 min
Lab File: BG036540.D
Acq: 4 Sep 2018 20:25

Tgt Ion:240 Resp: 497566
Ion Ratio Lower Upper
240 100
120 7.9 6.9 10.3
236 26.1 21.2 31.8



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: 80.846 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG036540.D

Acq: 4 Sep 2018 20:25

Instrument :

BNA_G

ClientSampleId :

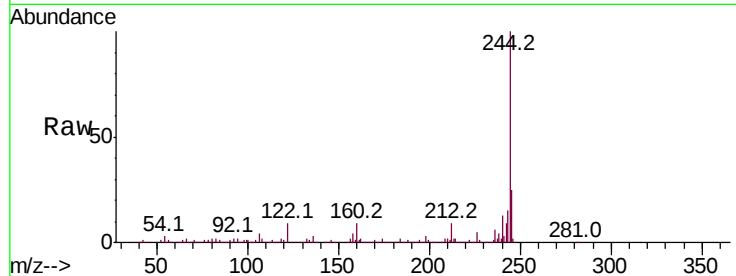
Tot Ion:244 Resp: 1721016

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.0	10.6
122	9.5	7.1	10.7

244 100

212 9.3 7.0 10.6

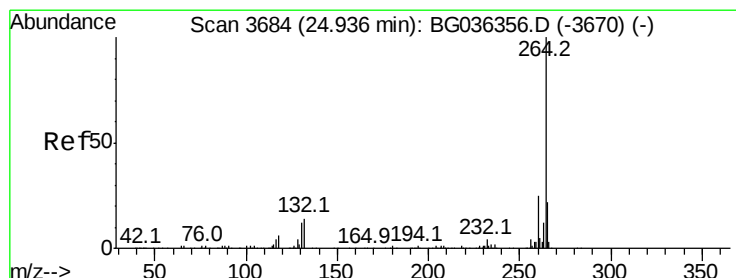
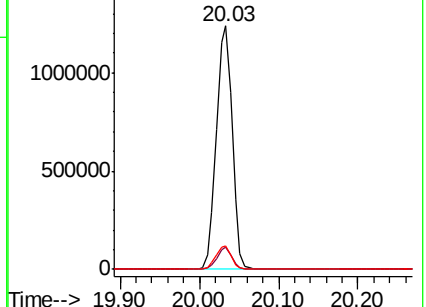
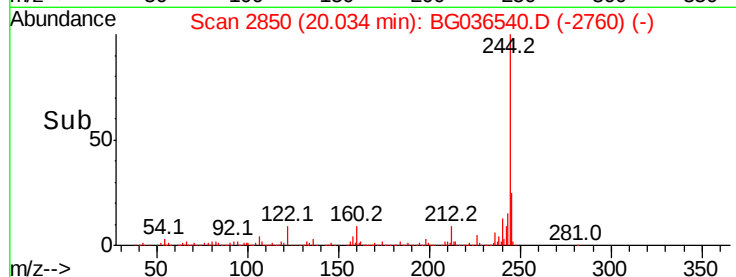
122 9.5 7.1 10.7



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: 24.90 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG036540.D

Acq: 4 Sep 2018 20:25

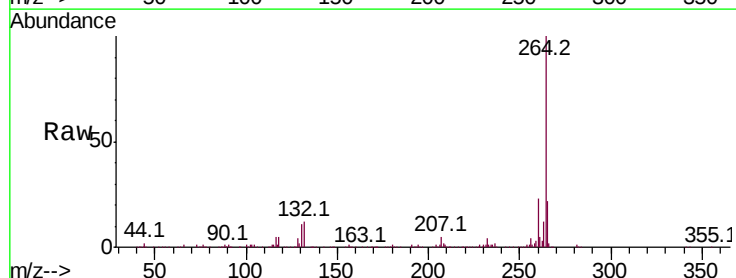
Tgt Ion:264 Resp: 478256

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	22.1	17.4	26.0

264 100

260 23.4 19.6 29.4

265 22.1 17.4 26.0



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

