

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092518\
 Data File : BG036956.D
 Acq On : 25 Sep 2018 19:36
 Operator : JU/SJ
 Sample : J5061-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 01:45:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

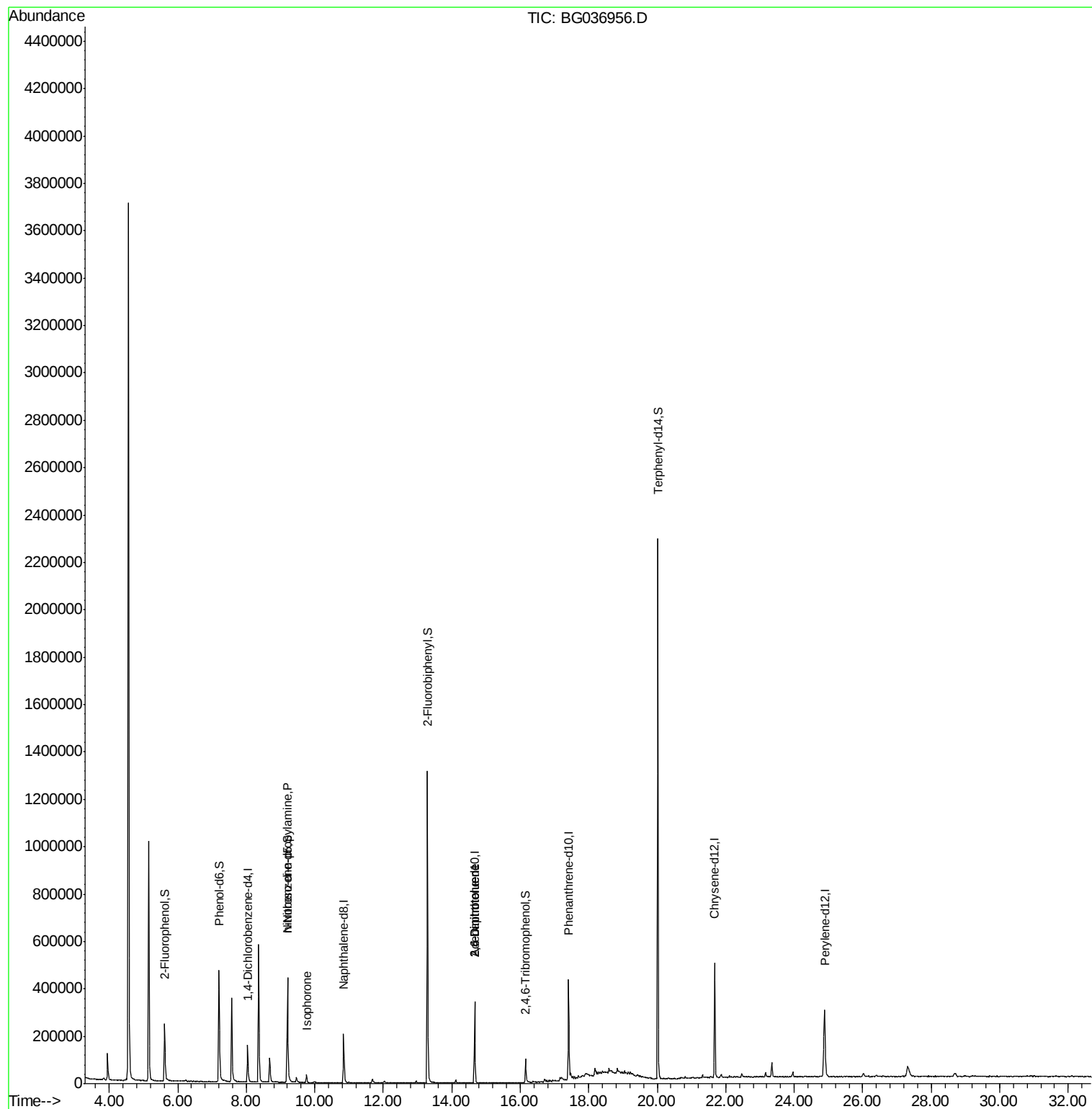
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	48436	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	193347	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	124841	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	297249	20.00	ng	0.00
75) Chrysene-d12	21.68	240	310565	20.00	ng	-0.01
86) Perylene-d12	24.88	264	312167	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	121038	47.92	ng	0.00
7) Phenol-d6	7.20	99	316294	80.94	ng	-0.01
23) Nitrobenzene-d5	9.21	82	316790	87.74	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	24097	16.13	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	720582	85.97	ng	-0.01
78) Terphenyl-d14	20.02	244	1092512	92.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	41792	12.856	ng	# 71
25) Isophorone	9.76	82	26261	3.981	ng	97
50) 2,6-Dinitrotoluene	14.66	165	16228	7.402	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	16228	5.304	ng	# 18

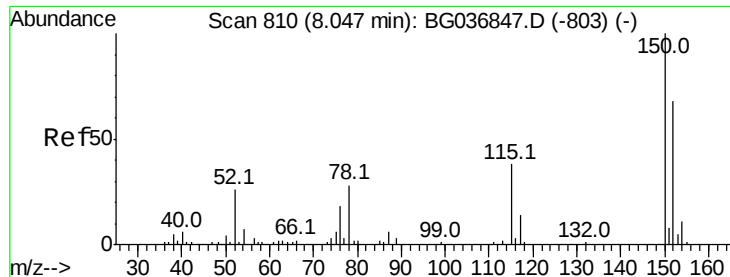
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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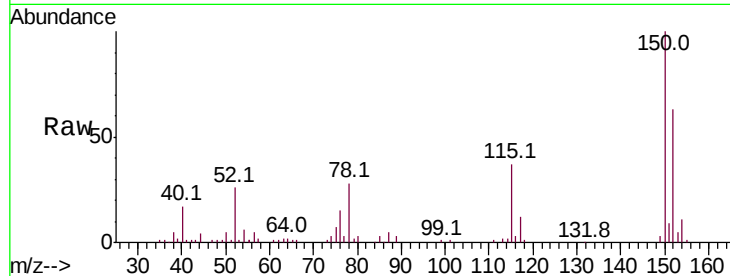


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG036956.D
Acq: 25 Sep 2018 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	119.5	179.3
115	59.7	44.5	66.7

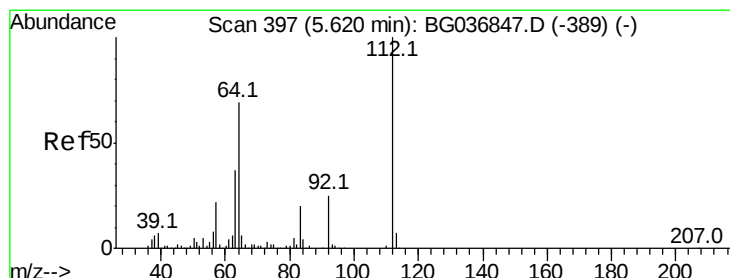
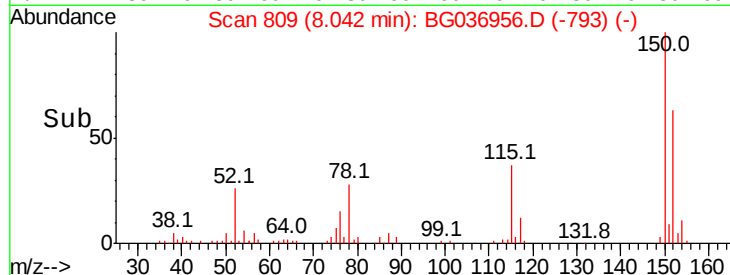
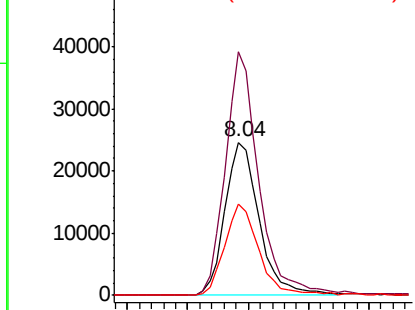


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

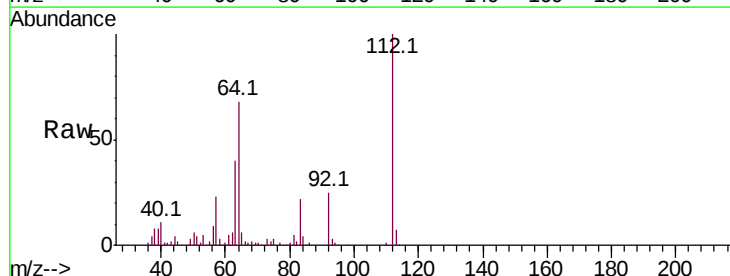
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.924 ng
RT: 5.62 min Scan# 397
Delta R.T. 0.00 min
Lab File: BG036956.D
Acq: 25 Sep 2018 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	57.2	85.8
63	39.6	30.8	46.2

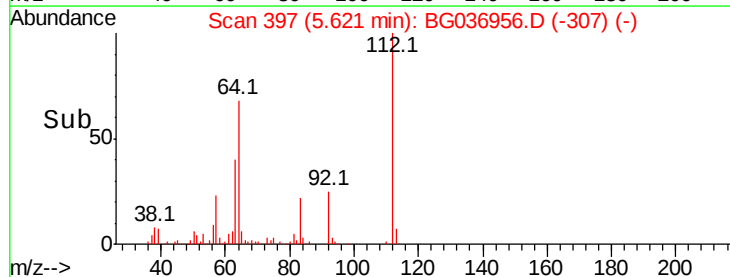
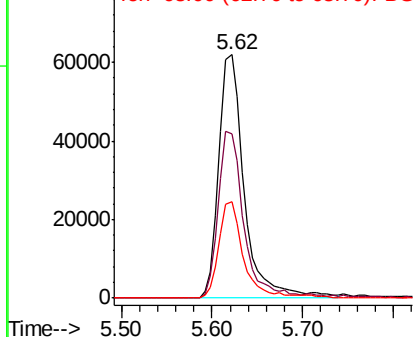


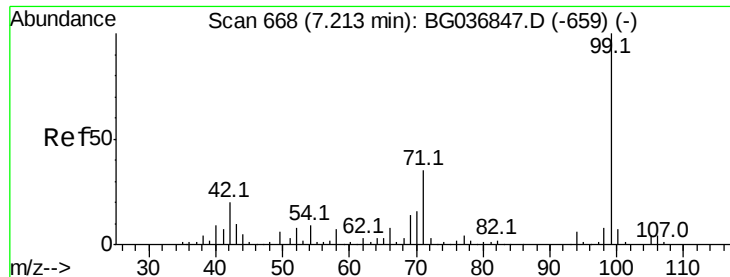
Abundance

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: 80.944 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036956.D

Acq: 25 Sep 2018 19:36

Instrument :

BNA_F

ClientSampleId :

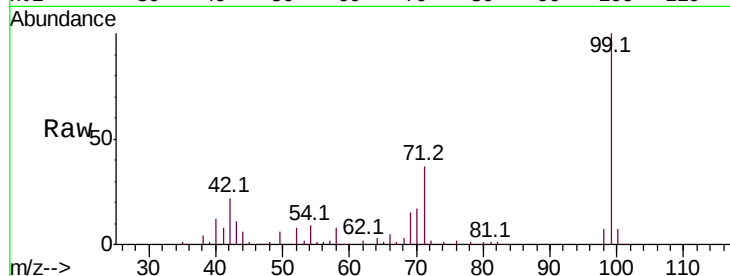
Tot Ion: 99 Resp: 316294

Ion Ratio Lower Upper

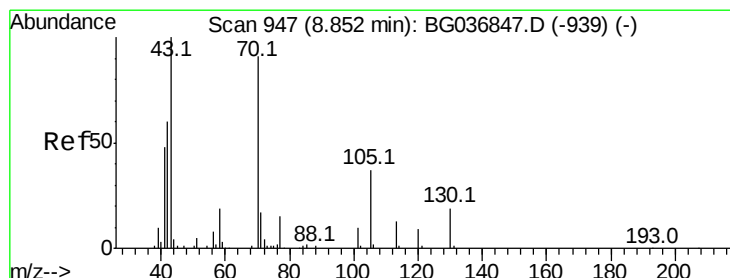
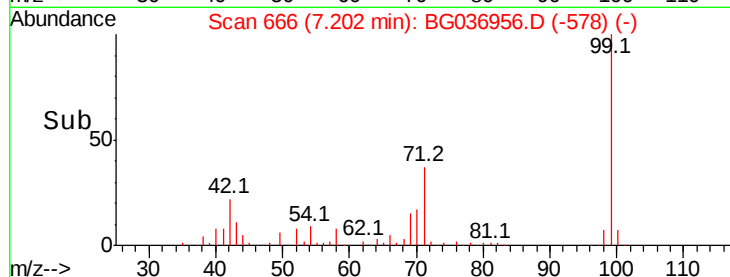
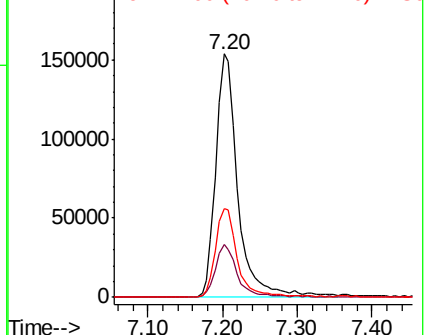
99 100

42 21.6 16.5 24.7

71 36.5 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: 12.856 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036956.D

Acq: 25 Sep 2018 19:36

Tgt Ion: 70 Resp: 41792

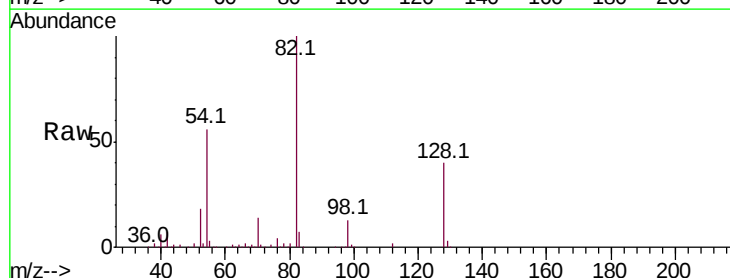
Ion Ratio Lower Upper

70 100

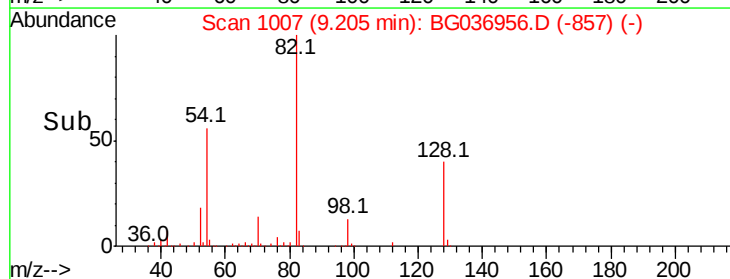
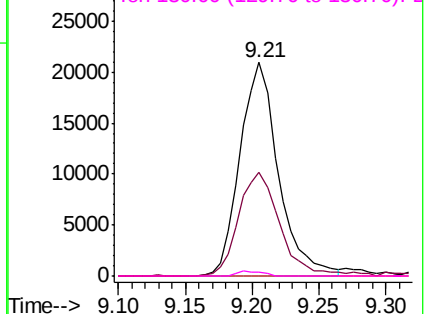
42 48.7 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 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

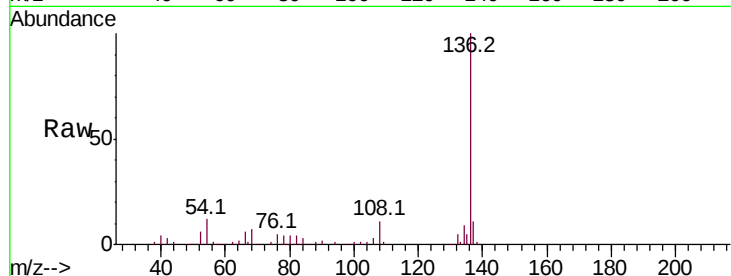




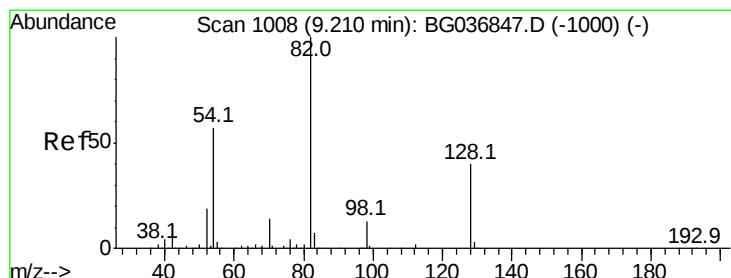
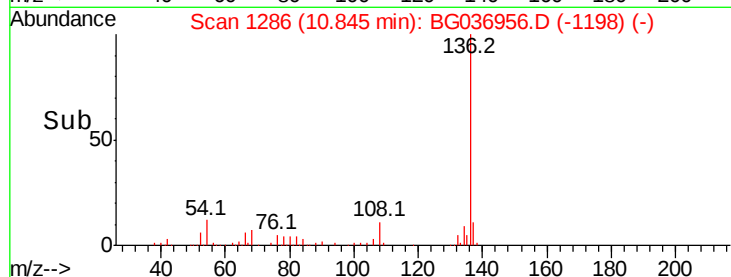
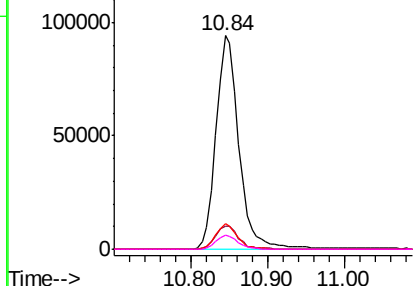
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG036956.D
Acq: 25 Sep 2018 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	193347
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.8	13.2
54 11.8	9.2	13.8
68 6.6	5.8	8.6

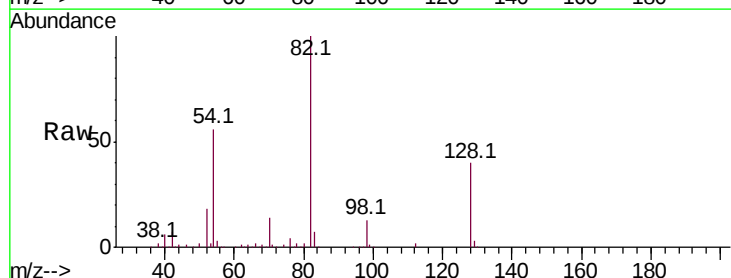


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

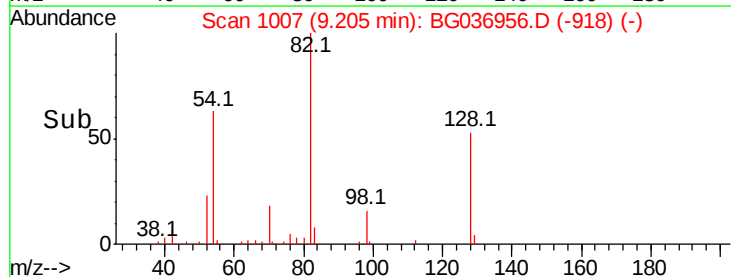
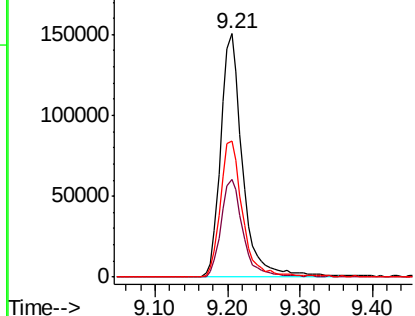


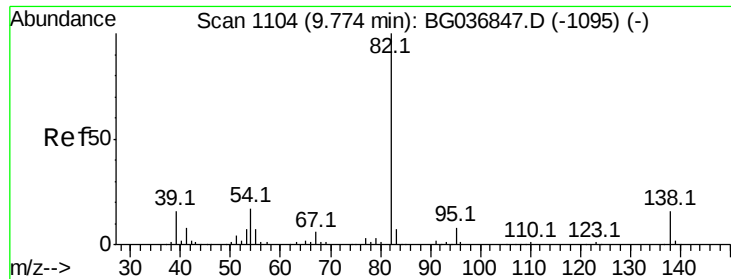
#23
Nitrobenzene-d5
Concen: 87.741 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036956.D
Acq: 25 Sep 2018 19:36

Tgt Ion: 82	Resp: 316790
Ion Ratio	Lower Upper
82 100	
128 40.2	33.3 49.9
54 55.9	45.1 67.7



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





#25

Isophorone

Concen: 3.981 ng

RT: 9.76 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BG036956.D

Acq: 25 Sep 2018 19:36

Instrument :
BNA_F
ClientSampleId :

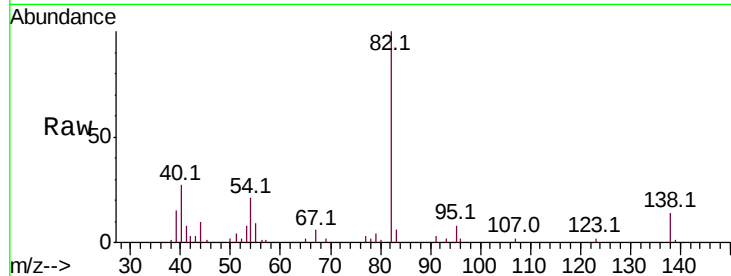
Tot Ion: 82 Resp: 26261

Ion Ratio Lower Upper

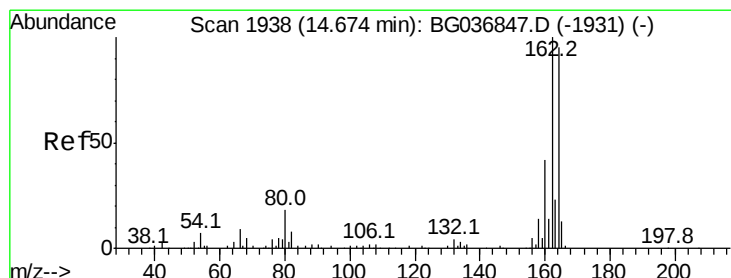
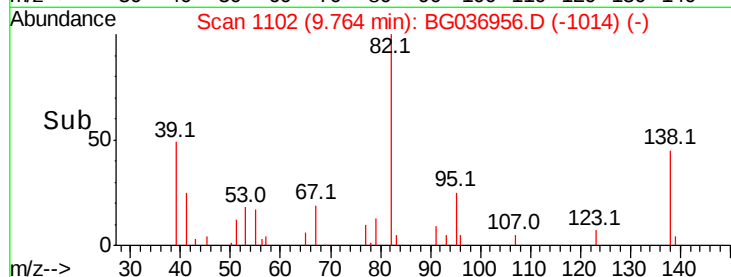
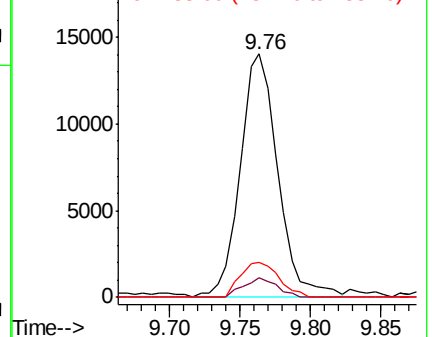
82 100

95 7.8 5.8 8.8

138 14.3 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.00 min

Lab File: BG036956.D

Acq: 25 Sep 2018 19:36

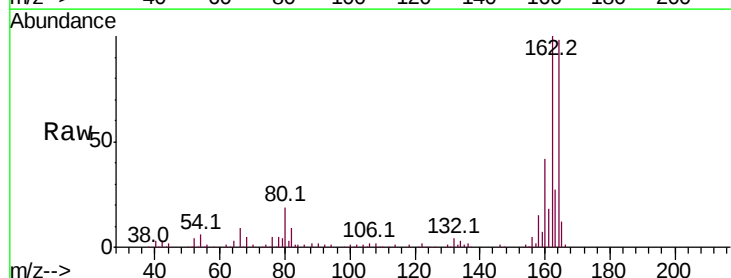
Tgt Ion:164 Resp: 124841

Ion Ratio Lower Upper

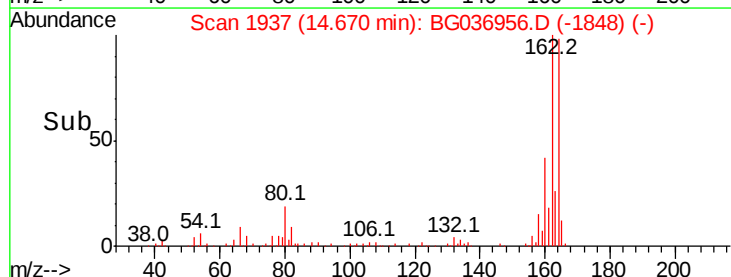
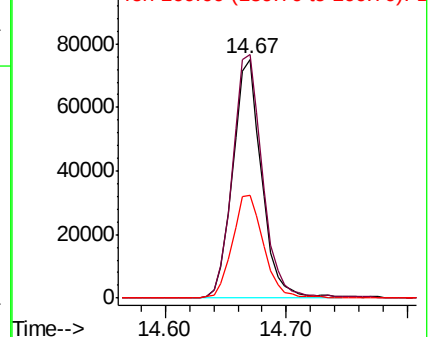
164 100

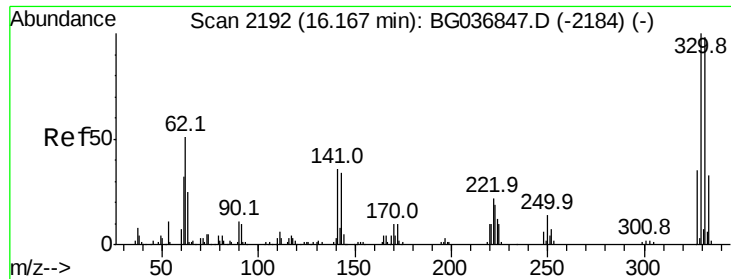
162 101.9 80.7 121.1

160 42.9 35.3 52.9



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

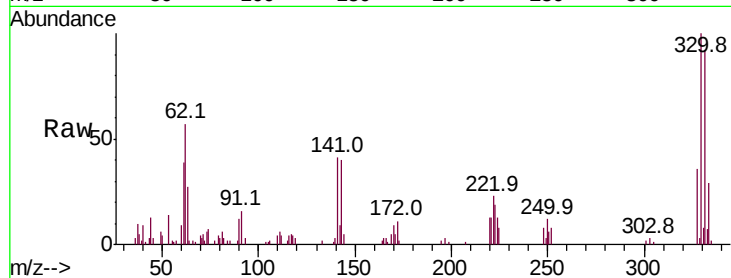




#41
 2,4,6-Tribromophenol
 Concen: 16.133 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG036956.D
 Acq: 25 Sep 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	75.4	113.2
141	39.4	30.7	46.1

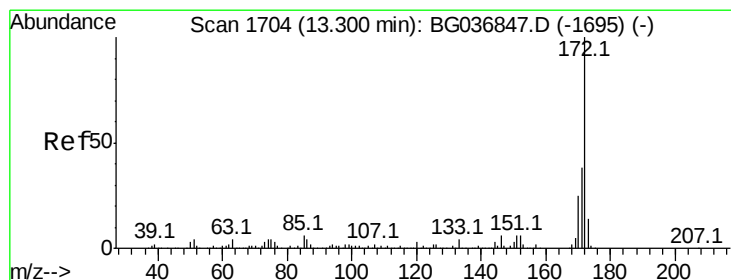
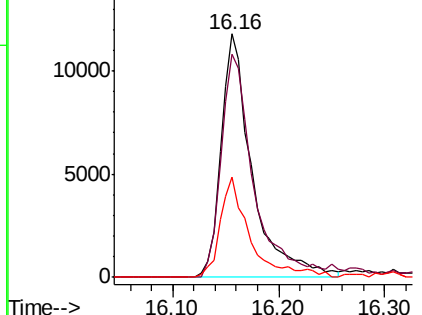
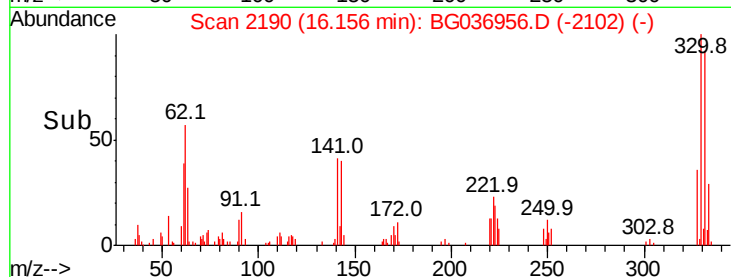


Abundance

Ion 329.80 (329.50 to 330.50): E

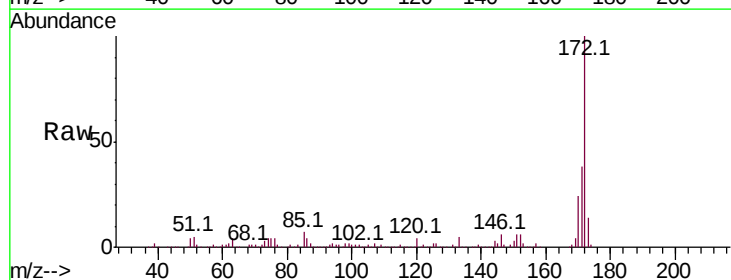
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 85.968 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG036956.D
 Acq: 25 Sep 2018 19:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.3	46.9
170	24.3	21.0	31.6

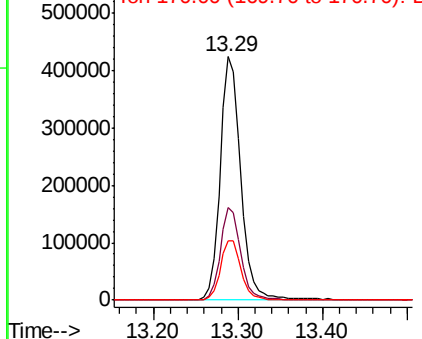
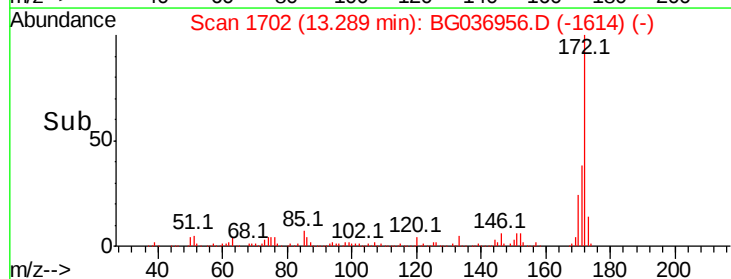


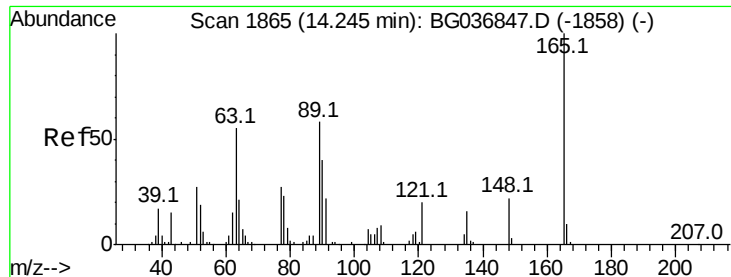
Abundance

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

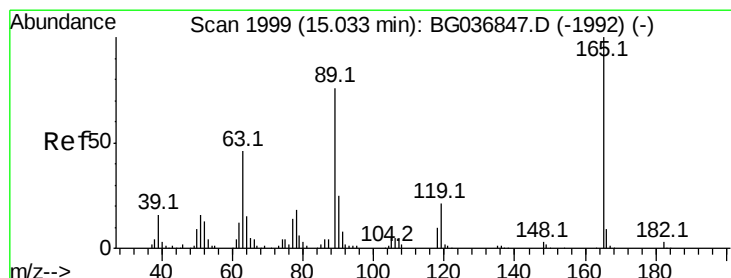
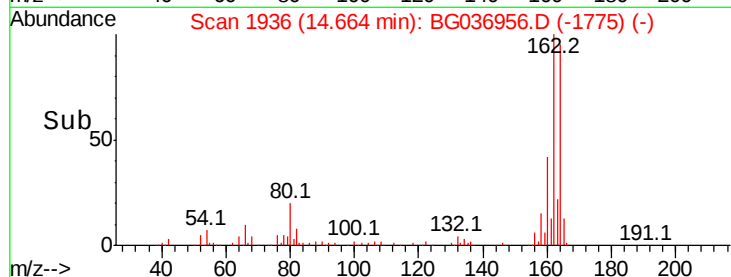
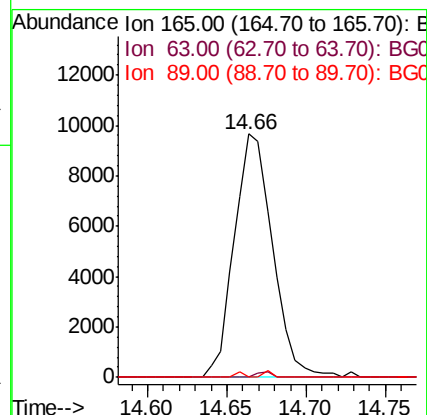
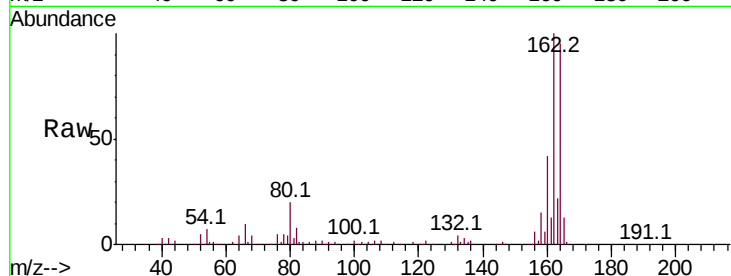




#50
 2,6-Dinitrotoluene
 Concen: 7.402 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG036956.D
 Acq: 25 Sep 2018 19:36

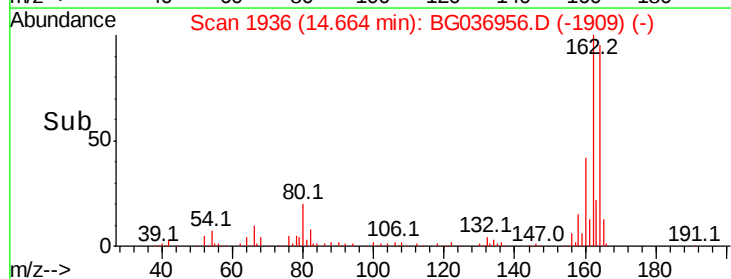
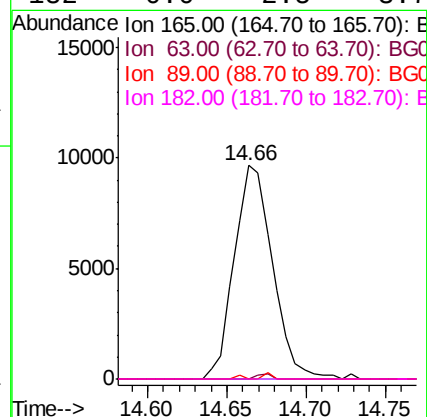
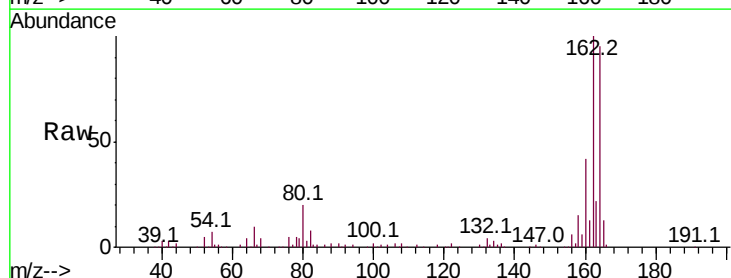
Instrument :
 BNA_F
 ClientSampleId :

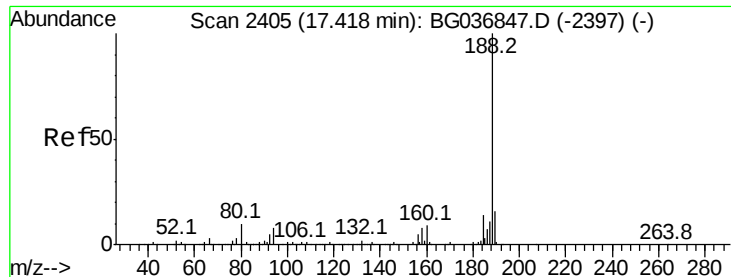
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	0.0	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.304 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG036956.D
 Acq: 25 Sep 2018 19:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

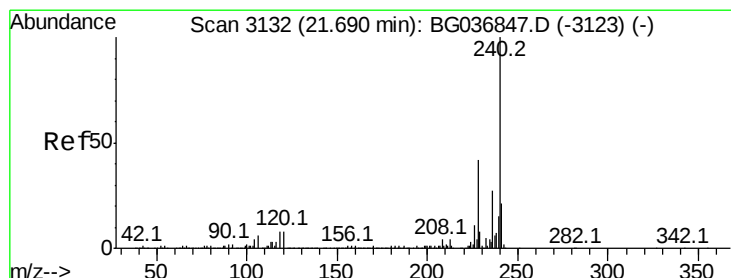
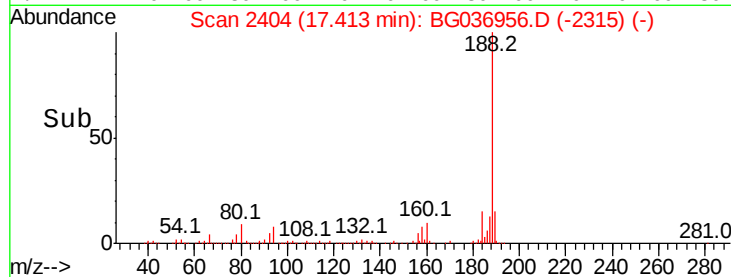
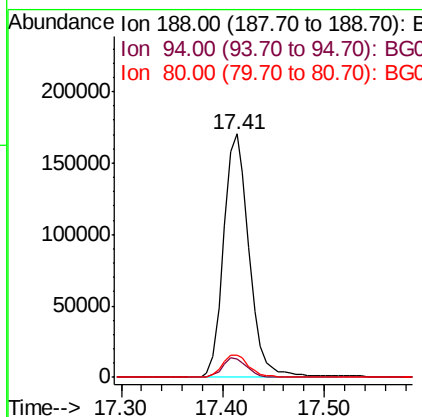
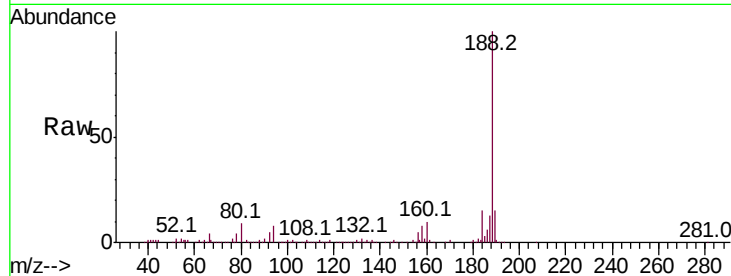




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.00 min
Lab File: BG036956.D
Acq: 25 Sep 2018 19:36

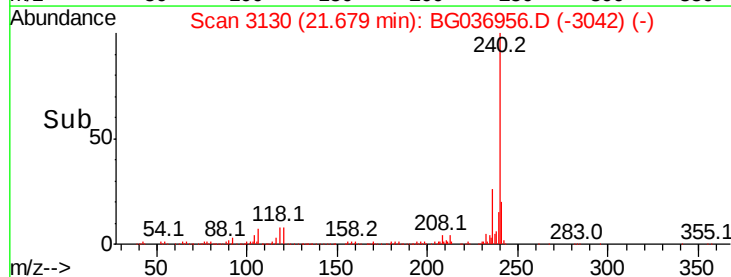
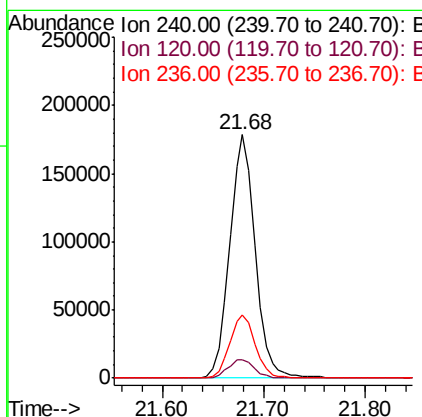
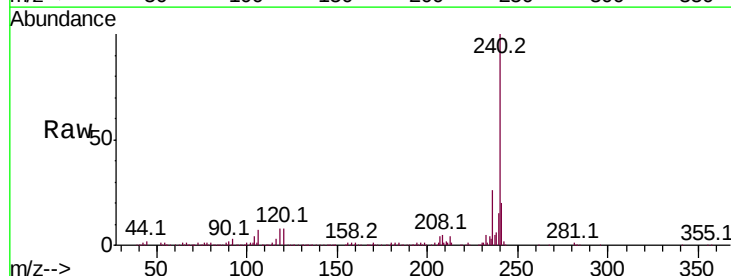
Instrument :
BNA_F
ClientSampled :

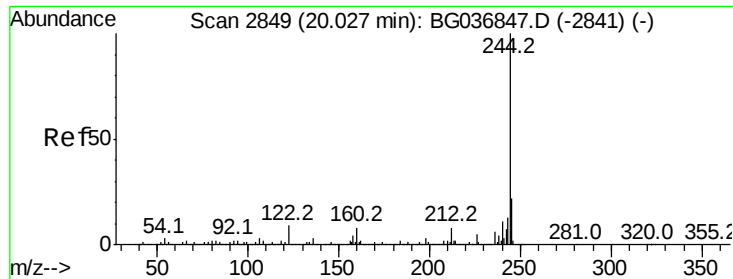
Tot Ion:188 Resp: 297249
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 9.2 8.1 12.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036956.D
Acq: 25 Sep 2018 19:36

Tgt Ion:240 Resp: 310565
Ion Ratio Lower Upper
240 100
120 7.7 6.9 10.3
236 25.8 21.2 31.8





#78

Terphenyl-d14

Concen: 92.501 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG036956.D

Acq: 25 Sep 2018 19:36

Instrument :

BNA_F

ClientSampled :

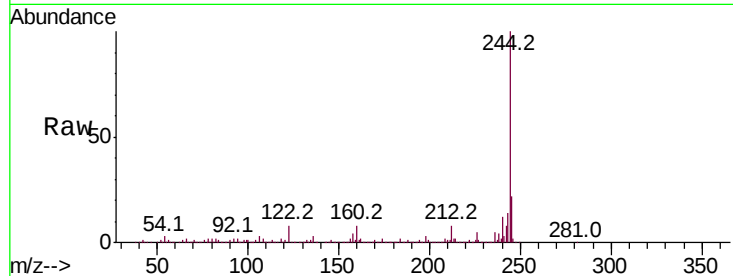
Tot Ion:244 Resp: 1092512

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.0	10.6
122	8.5	7.1	10.7

244 100

212 8.3 7.0 10.6

122 8.5 7.1 10.7

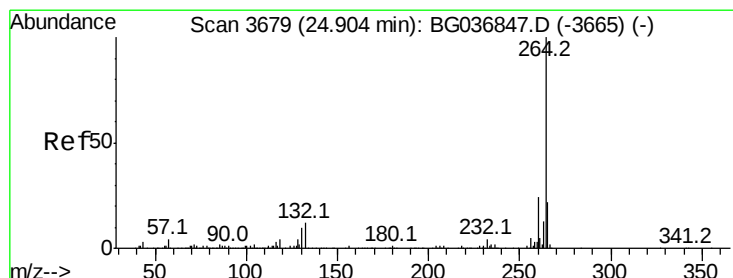
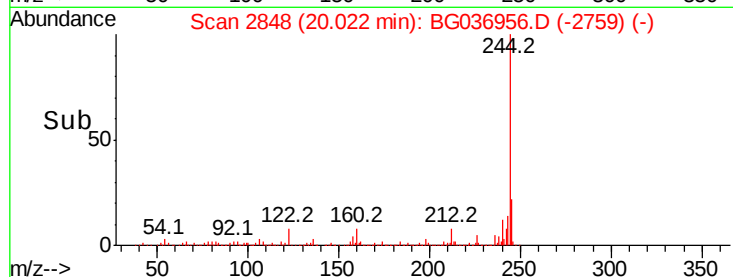
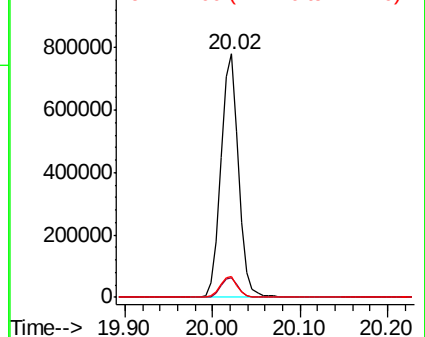


Abundance

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: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG036956.D

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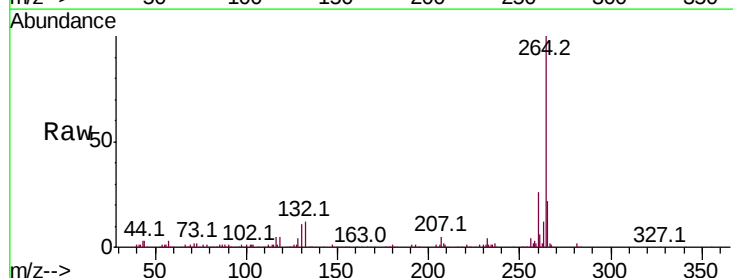
Tgt Ion:264 Resp: 312167

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.6	29.4
265	21.9	17.4	26.0

264 100

260 25.7 19.6 29.4

265 21.9 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

