

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081018\
 Data File : BG036291.D
 Acq On : 11 Aug 2018 7:13
 Operator : JU/SJ
 Sample : J4412-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 080718-TIPC-E-U-M

Quant Time: Aug 13 00:48:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

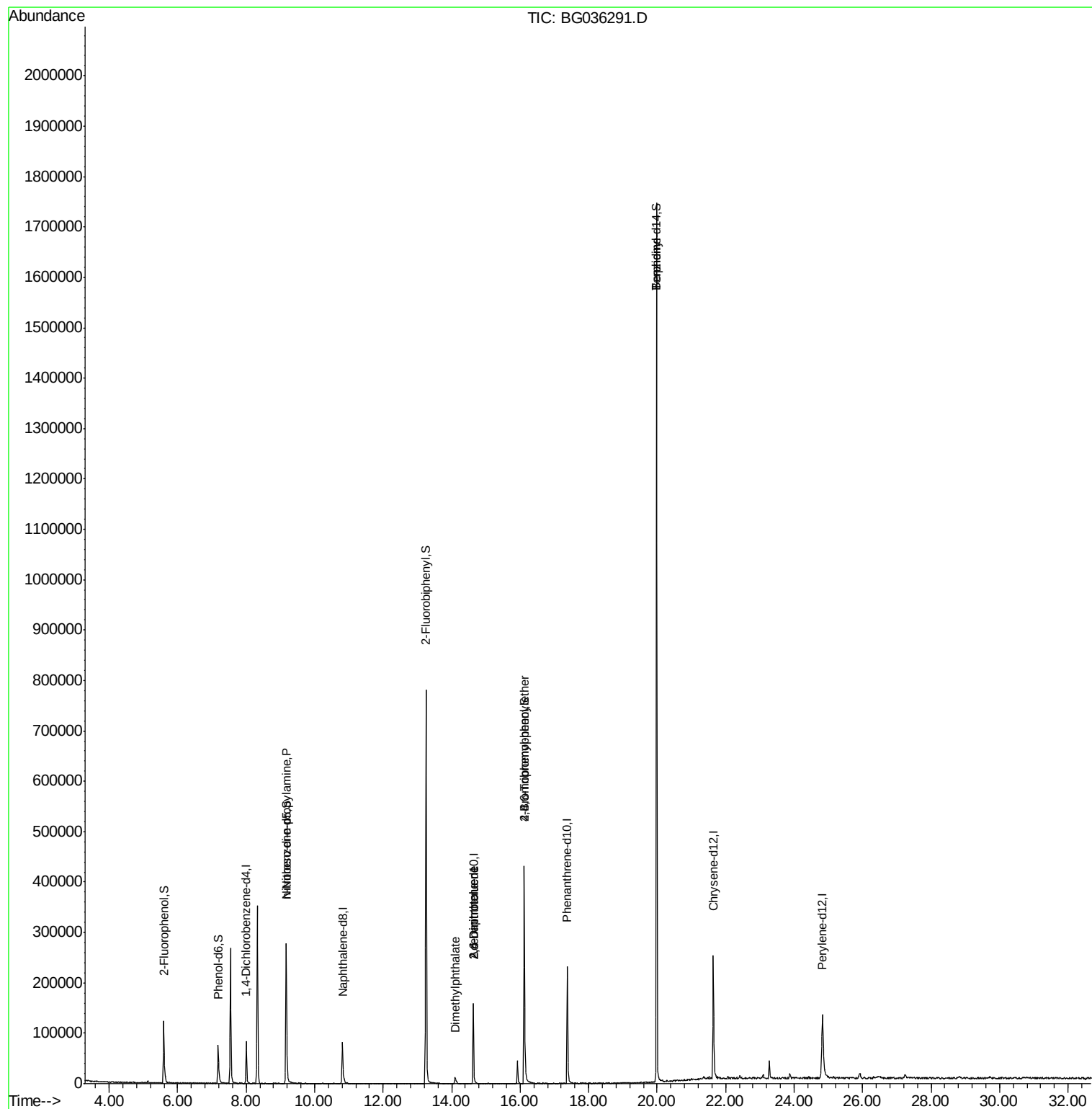
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	23361	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	84552	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	61414	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	177702	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	187225	20.00	ng	-0.02
86) Perylene-d12	24.83	264	169050	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	63770	45.32	ng	-0.01
7) Phenol-d6	7.18	99	57084	27.19	ng	-0.02
23) Nitrobenzene-d5	9.17	82	211411	104.45	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	96949	119.77	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	472695	103.12	ng	-0.02
78) Terphenyl-d14	19.99	244	895441	105.43	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	27542	15.579	ng	# 78
49) Dimethylphthalate	14.11	163	17085	3.175	ng	# 93
50) 2,6-Dinitrotoluene	14.63	165	8184	7.469	ng	# 22
56) 2,4-Dinitrotoluene	14.63	165	8184	5.206	ng	# 19
66) 4-Bromophenyl-phenylether	16.12	248	7239	3.511	ng	# 1
76) Benzidine	19.99	184	16079	3.267	ng	# 93

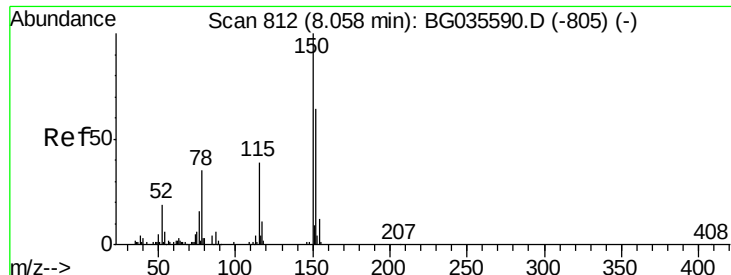
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.02 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

Instrument :

BNA_G

ClientSampleId :

080718-TIPC-E-U-M

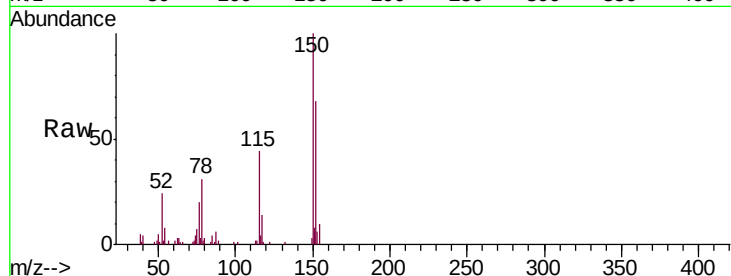
Tgt Ion:152 Resp: 23361

Ion Ratio Lower Upper

152 100

150 147.8 126.6 189.8

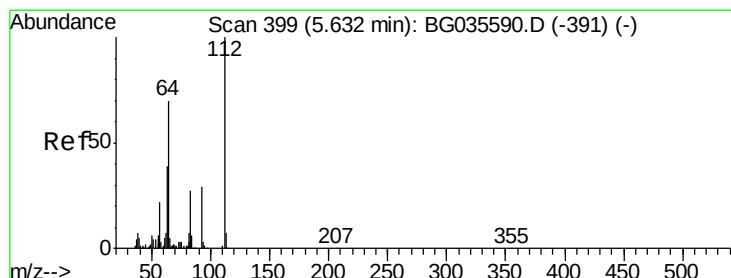
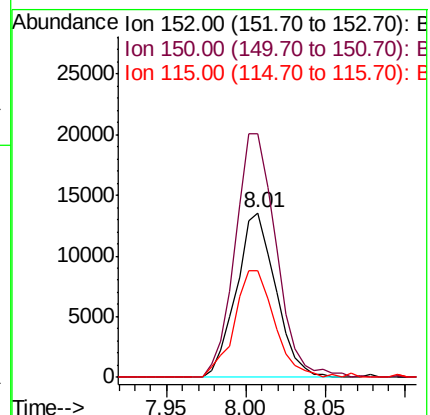
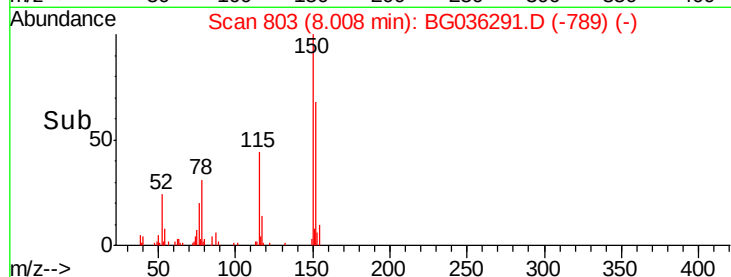
115 64.8 53.0 79.4



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: 45.320 ng

RT: 5.59 min Scan# 392

Delta R.T. -0.01 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

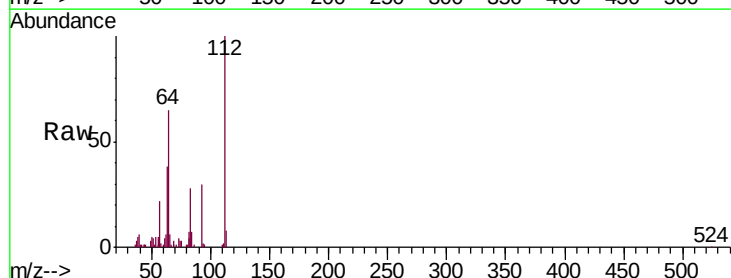
Tgt Ion:112 Resp: 63770

Ion Ratio Lower Upper

112 100

64 65.3 56.3 84.5

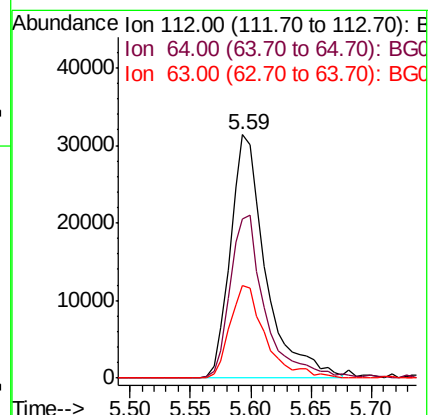
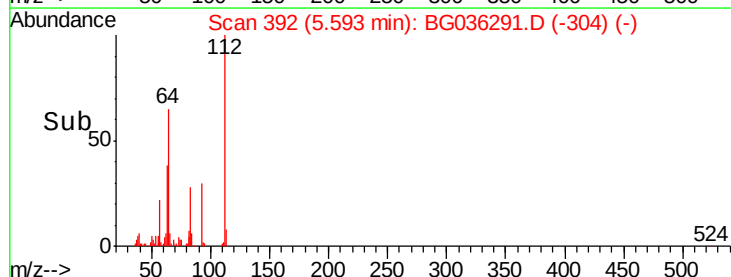
63 37.9 30.1 45.1

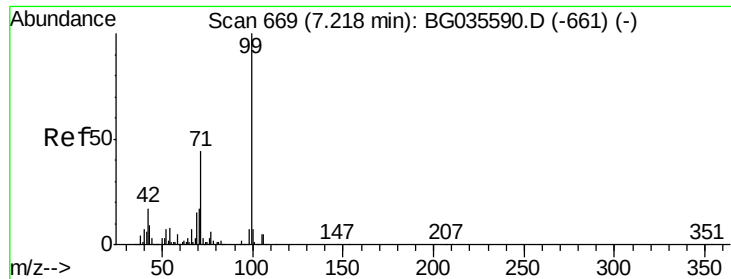


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 27.191 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.02 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

Instrument :

BNA_G

ClientSampleId :

080718-TIPC-E-U-M

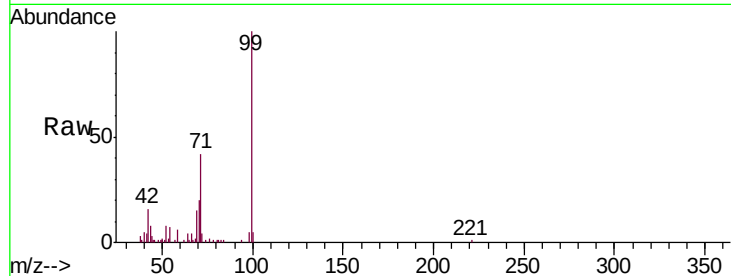
Tgt Ion: 99 Resp: 57084

Ion Ratio Lower Upper

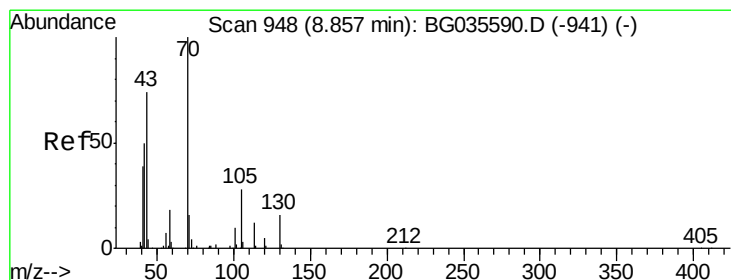
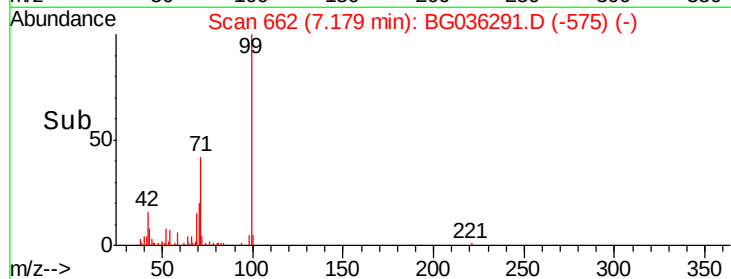
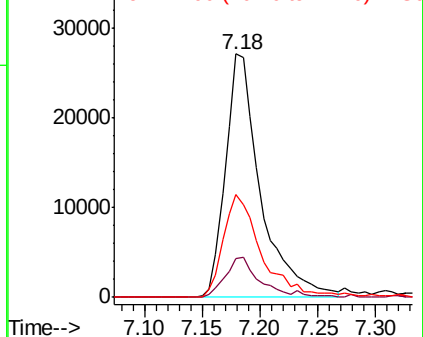
99 100

42 16.1 14.1 21.1

71 42.1 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: 15.579 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

Tgt Ion: 70 Resp: 27542

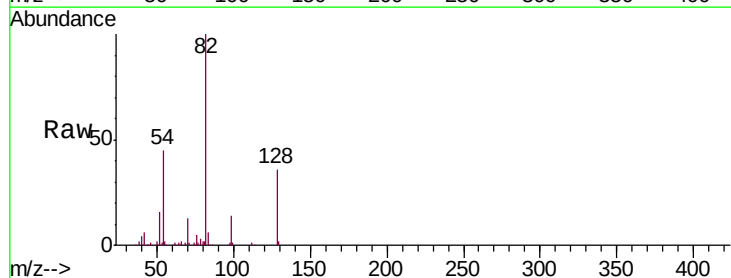
Ion Ratio Lower Upper

70 100

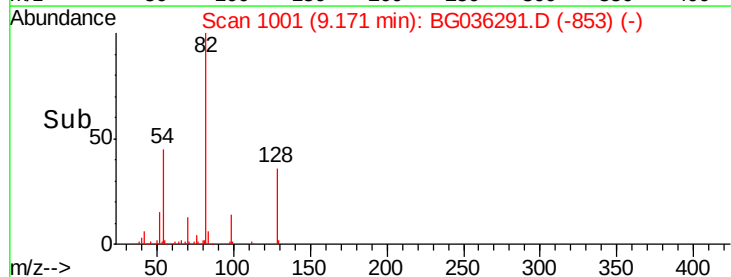
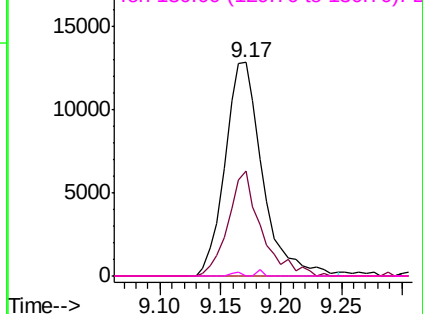
42 48.9 49.1 73.7#

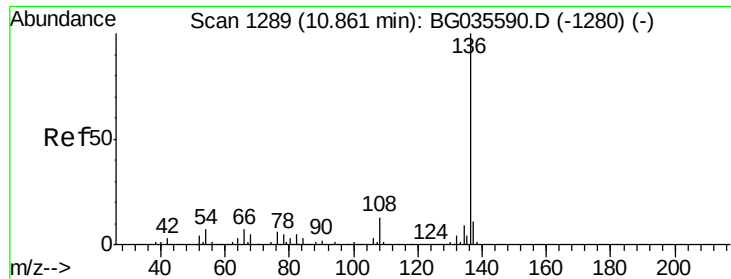
101 0.0 8.5 12.7#

130 0.0 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

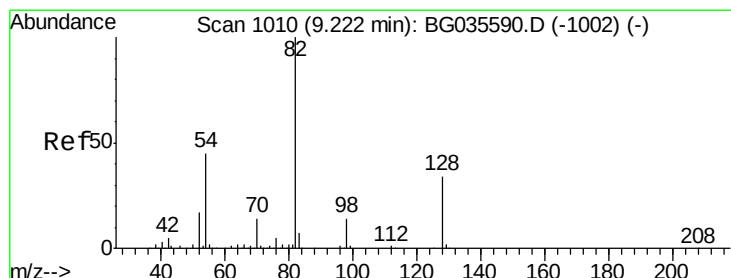
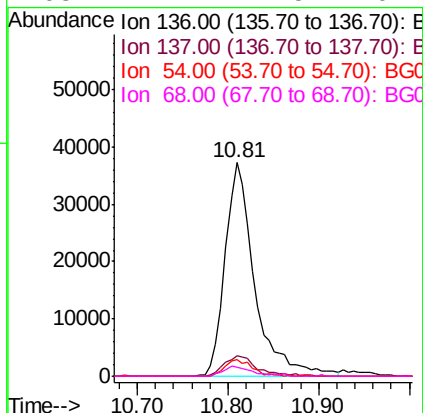
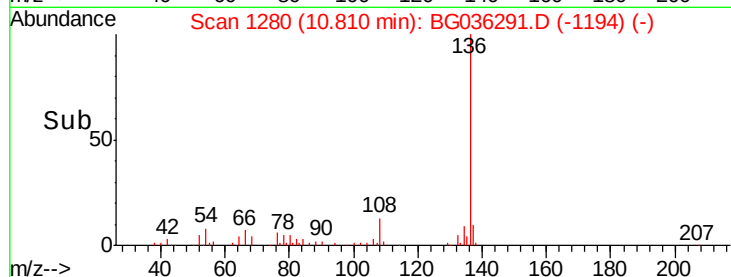
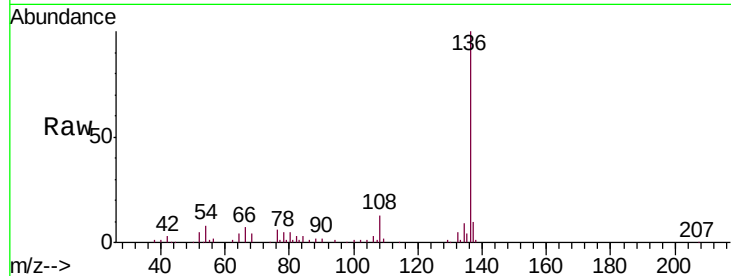




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG036291.D
Acq: 11 Aug 2018 7:13

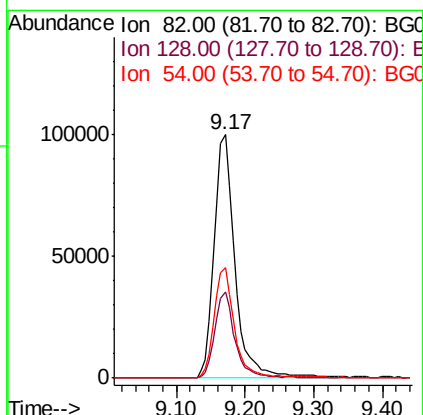
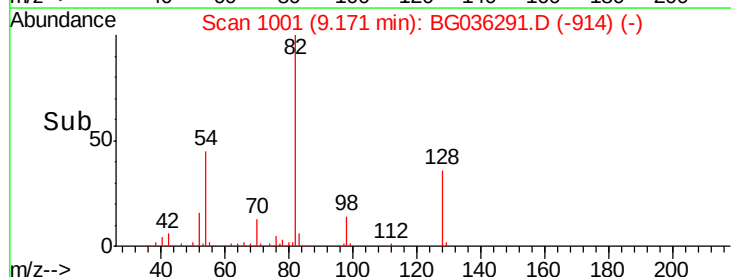
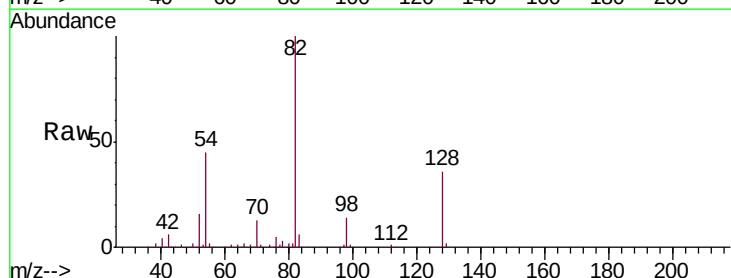
Instrument :
BNA_G
ClientSampleId :
080718-TIPC-E-U-M

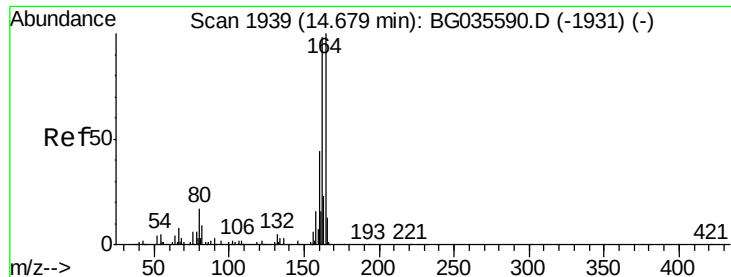
Tgt Ion:	136	Resp:	84552
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	8.0	10.3	15.5#
68	4.1	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 104.452 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036291.D
Acq: 11 Aug 2018 7:13

Tgt Ion:	82	Resp:	211411
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.7	44.5
54	45.2	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1930

Delta R.T. -0.02 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

Instrument :

BNA_G

ClientSampleId :

080718-TIPC-E-U-M

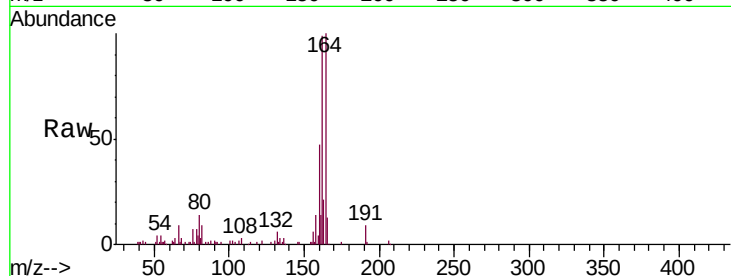
Tgt Ion:164 Resp: 61414

Ion Ratio Lower Upper

164 100

162 99.0 78.8 118.2

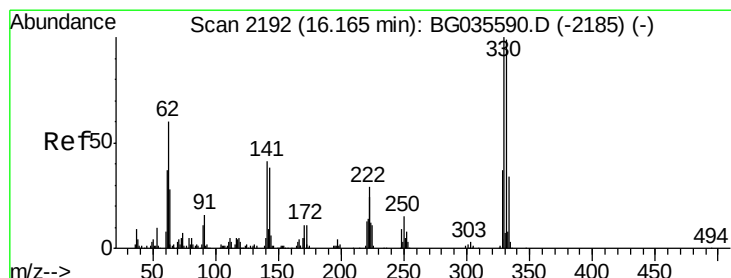
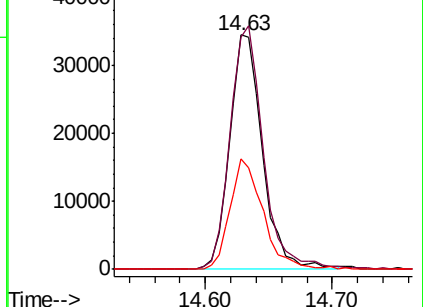
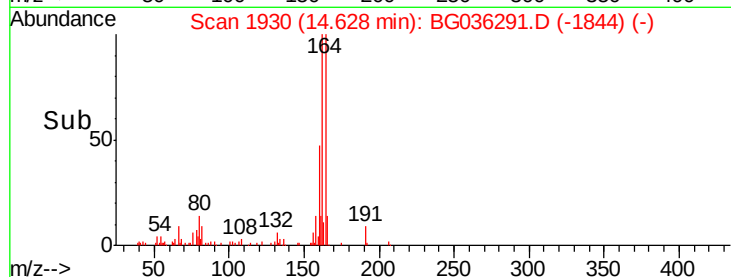
160 47.0 35.4 53.0



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: 119.768 ng

RT: 16.12 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

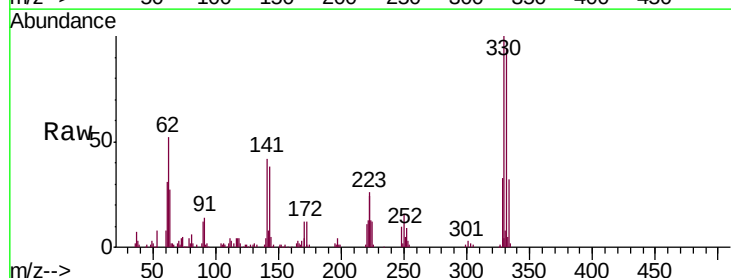
Tgt Ion:330 Resp: 96949

Ion Ratio Lower Upper

330 100

332 92.7 77.0 115.6

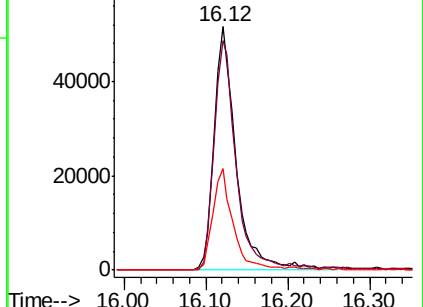
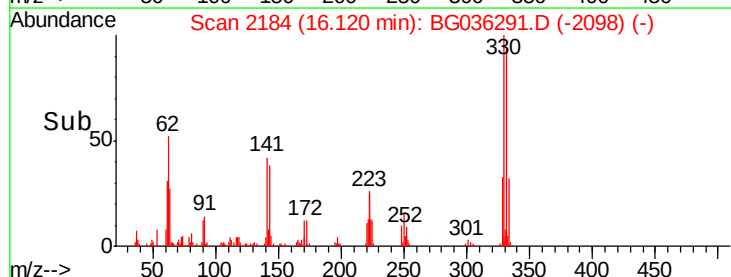
141 38.1 25.2 37.8#

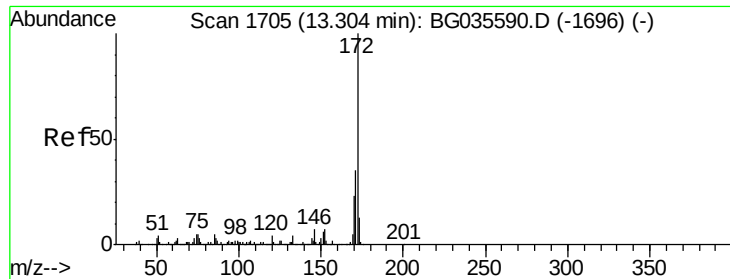


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

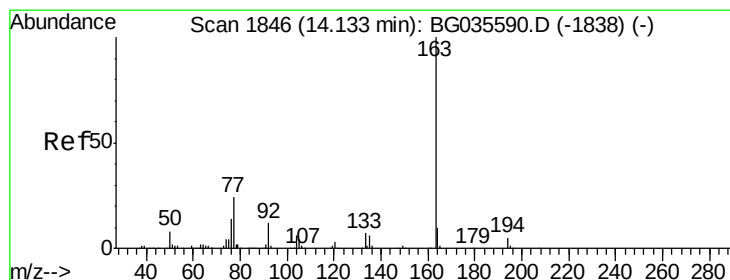
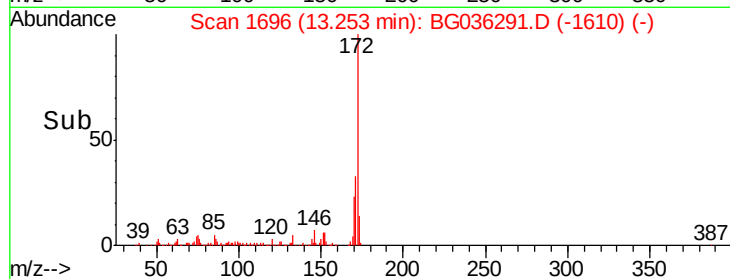
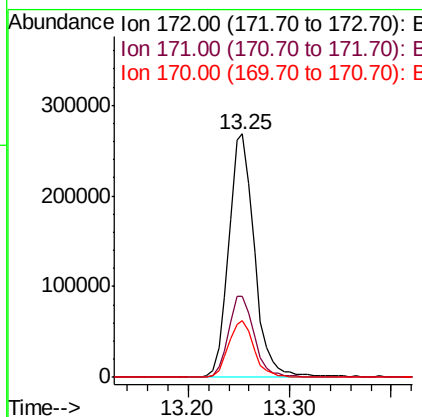
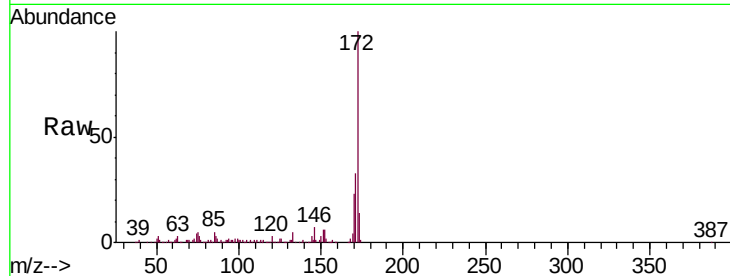




#44
2-Fluorobiphenyl
Concen: 103.118 ng
RT: 13.25 min Scan# 1696
Delta R.T. -0.02 min
Lab File: BG036291.D
Acq: 11 Aug 2018 7:13

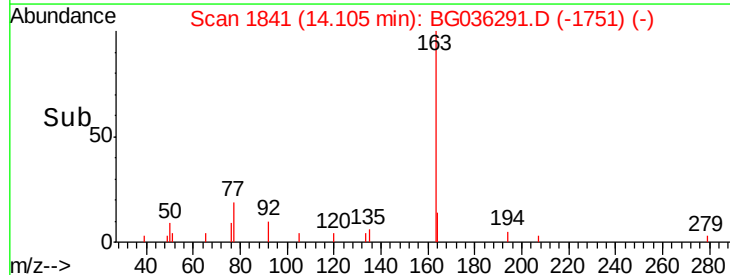
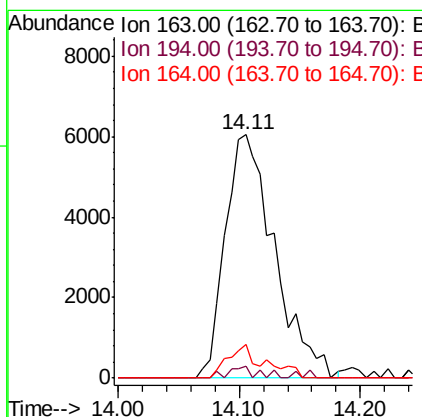
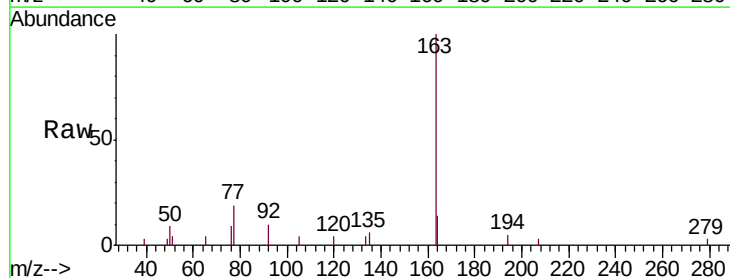
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BNA_G
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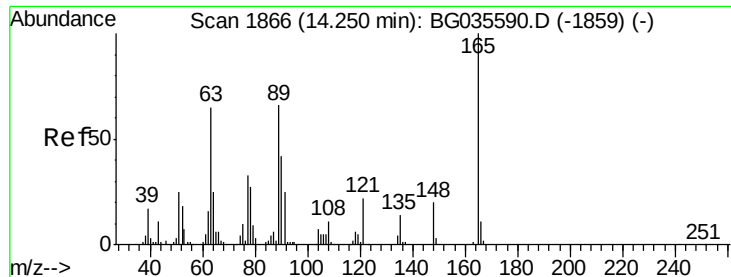
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	30.0	45.0
170	23.4	19.5	29.3



#49
Dimethylphthalate
Concen: 3.175 ng
RT: 14.11 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BG036291.D
Acq: 11 Aug 2018 7:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.2
164	13.7	8.2	12.4#

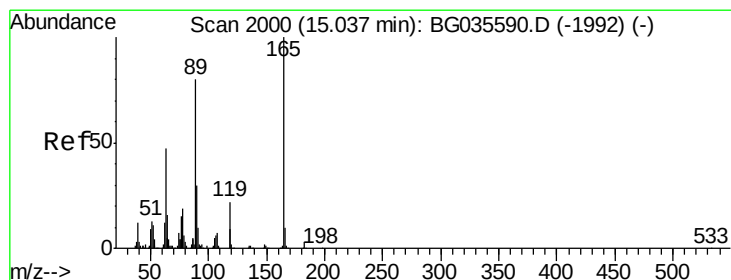
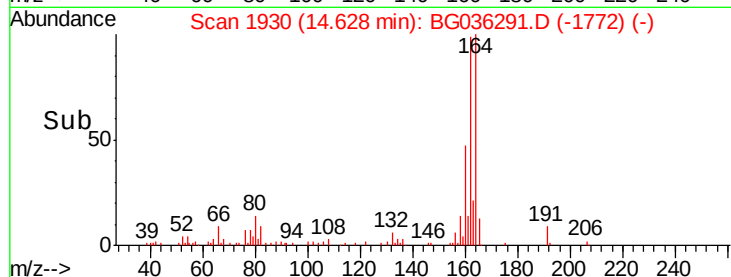
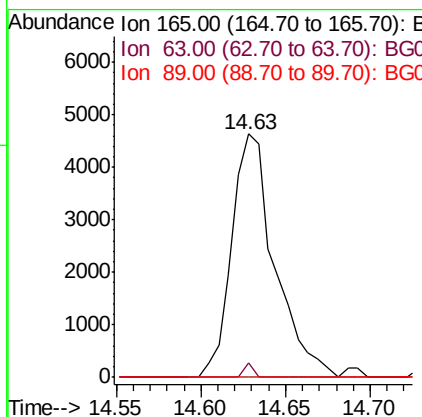
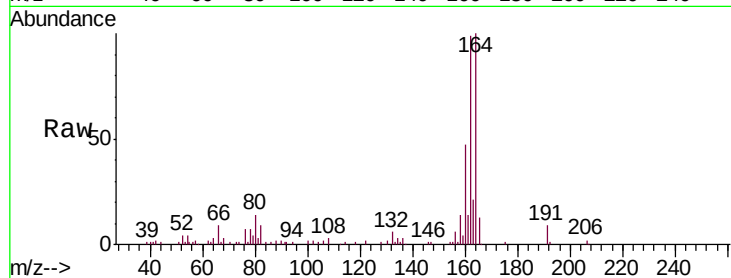




#50
 2,6-Dinitrotoluene
 Concen: 7.469 ng
 RT: 14.63 min Scan# 1930
 Delta R.T. 0.40 min
 Lab File: BG036291.D
 Acq: 11 Aug 2018 7:13

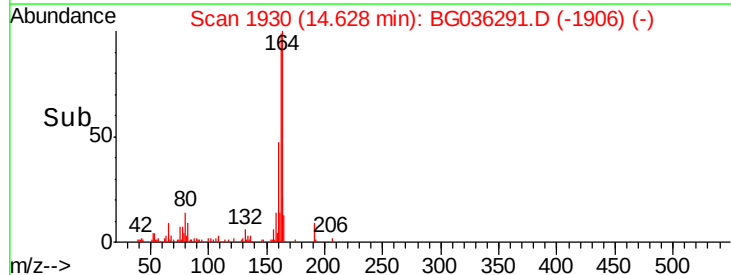
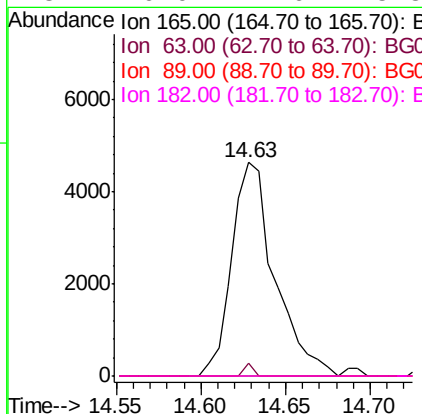
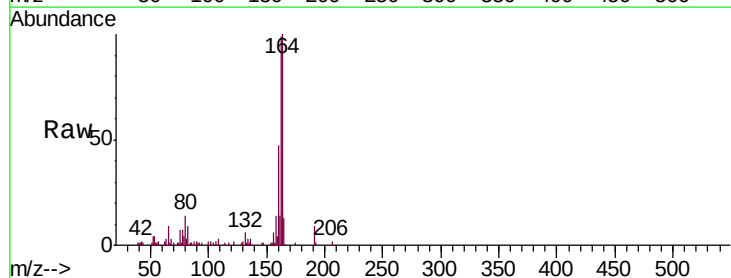
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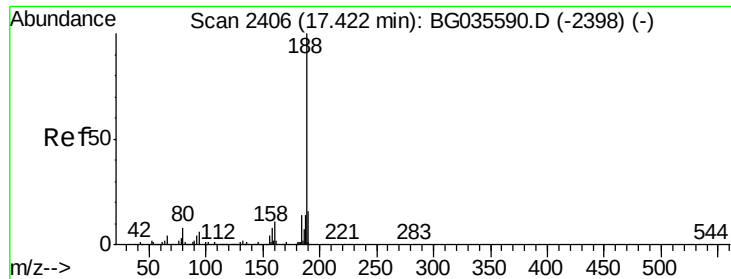
Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.7	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.206 ng
 RT: 14.63 min Scan# 1930
 Delta R.T. -0.39 min
 Lab File: BG036291.D
 Acq: 11 Aug 2018 7:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	5.7	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

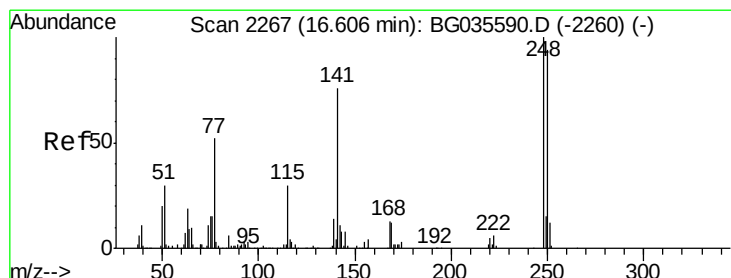
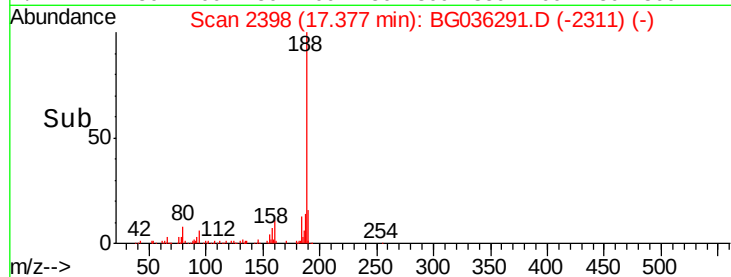
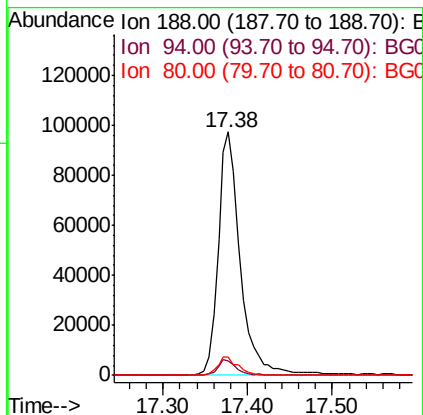
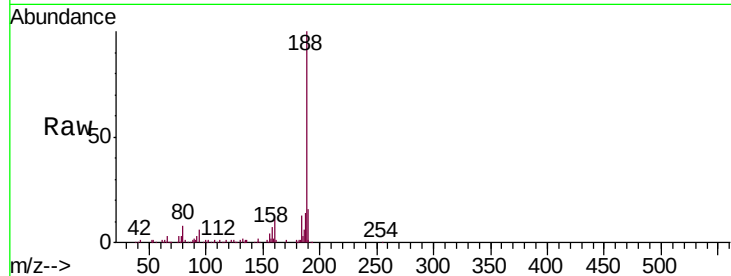




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2398
Delta R.T. -0.02 min
Lab File: BG036291.D
Acq: 11 Aug 2018 7:13

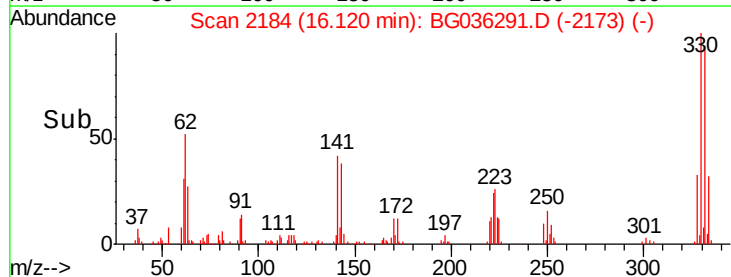
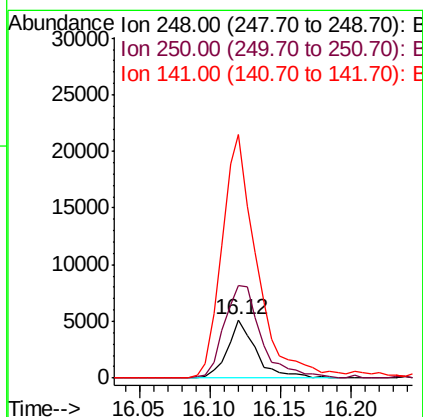
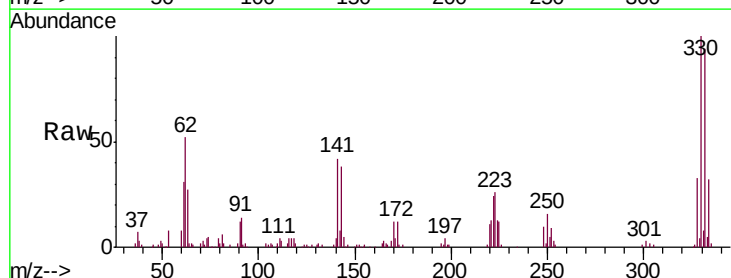
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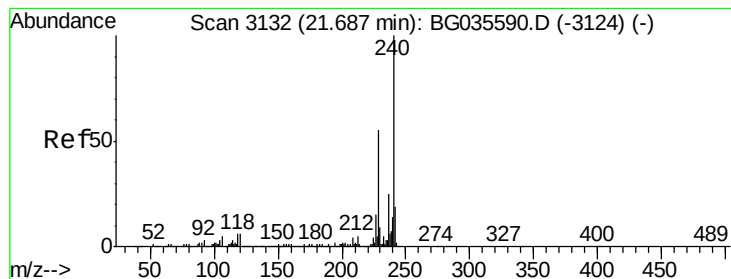
Tgt Ion:188 Resp: 177702
Ion Ratio Lower Upper
188 100
94 5.8 6.9 10.3#
80 7.5 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.511 ng
RT: 16.12 min Scan# 2184
Delta R.T. -0.46 min
Lab File: BG036291.D
Acq: 11 Aug 2018 7:13

Tgt Ion:248 Resp: 7239
Ion Ratio Lower Upper
248 100
250 159.3 77.1 115.7#
141 418.6 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

Instrument :

BNA_G

ClientSampleId :

080718-TIPC-E-U-M

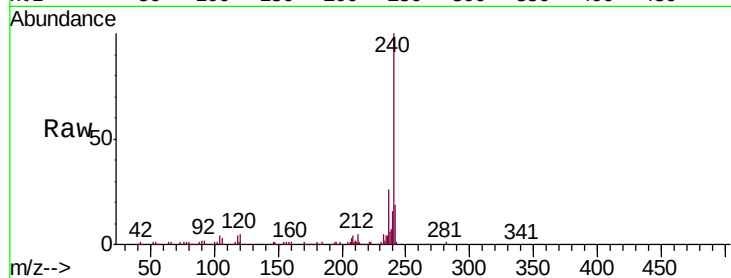
Tgt Ion:240 Resp: 187225

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

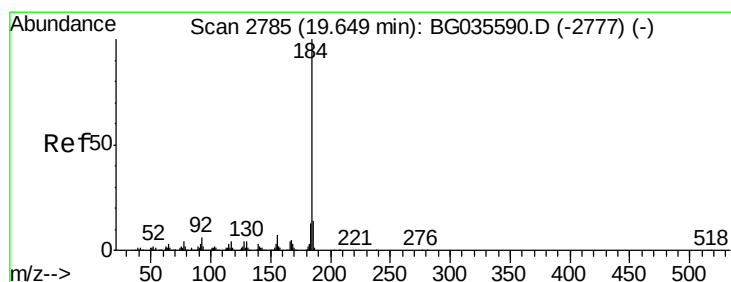
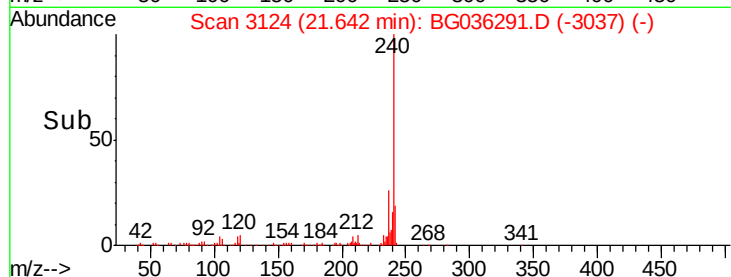
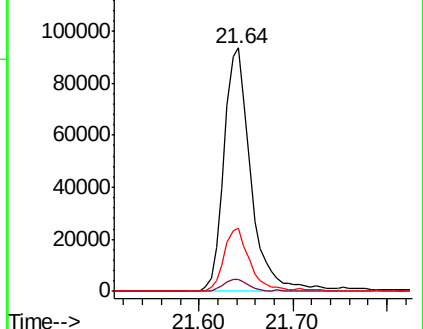
236 25.8 20.9 31.3



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: 3.267 ng

RT: 19.99 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

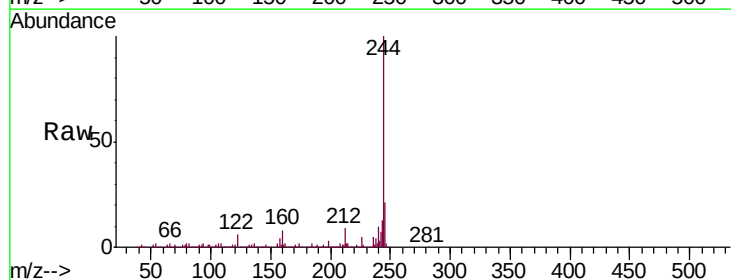
Tgt Ion:184 Resp: 16079

Ion Ratio Lower Upper

184 100

185 14.8 11.1 16.7

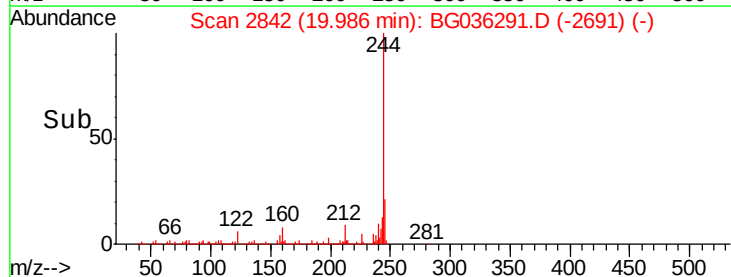
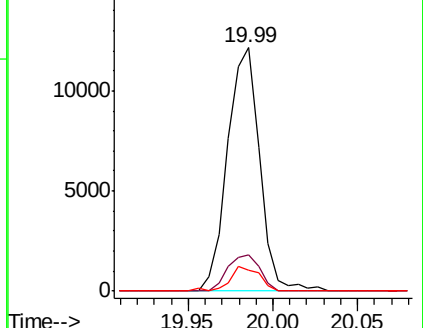
183 8.7 10.6 16.0#

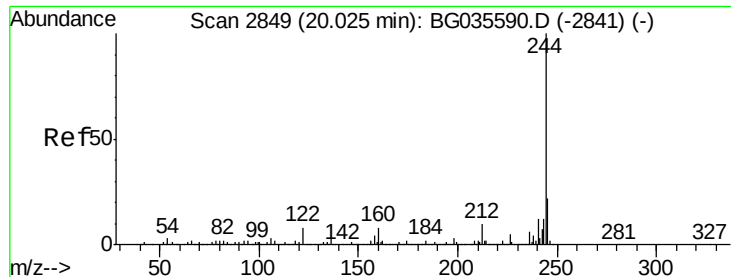


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 105.425 ng

RT: 19.99 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

Instrument :

BNA_G

ClientSampleId :

080718-TIPC-E-U-M

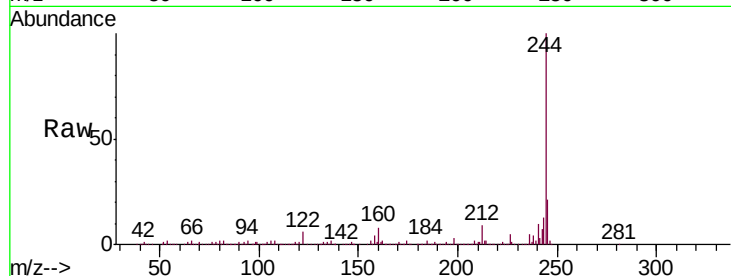
Tgt Ion:244 Resp: 895441

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

122 5.8 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

800000

600000

400000

200000

0

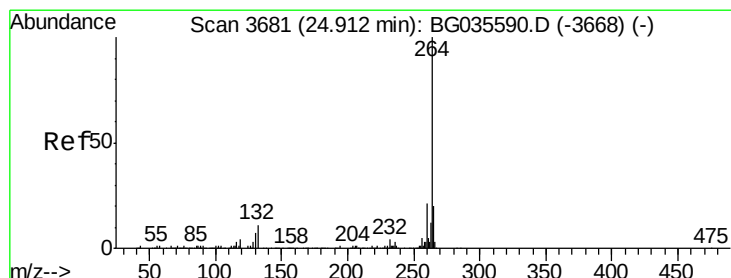
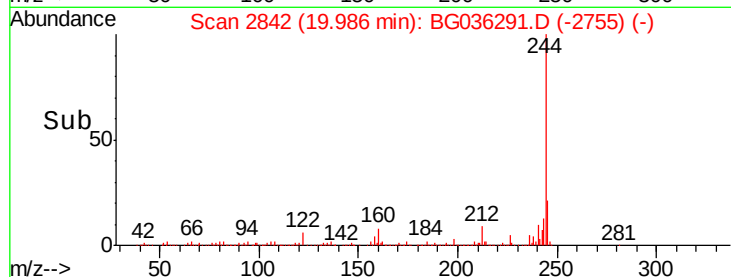
19.99

19.90

20.00

20.10

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3666

Delta R.T. -0.03 min

Lab File: BG036291.D

Acq: 11 Aug 2018 7:13

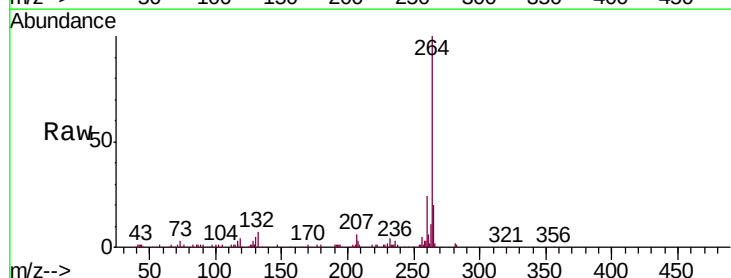
Tgt Ion:264 Resp: 169050

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 20.2 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

60000

40000

20000

0

24.83

24.70

24.80

24.90

Time-->

