

Data File : BG042273.D
Acq On : 16 Aug 2019 23:43
Operator : HP/JU
Sample : K4265-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(3.4)

Quant Time: Aug 17 00:41:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 08:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	55094	20.00	ng	-0.03
21) Naphthalene-d8	10.84	136	201829	20.00	ng	-0.03
39) Acenaphthene-d10	14.67	164	153188	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	386070	20.00	ng	-0.03
76) Chrysene-d12	21.71	240	455241	20.00	ng	-0.03
87) Perylene-d12	24.96	264	524387	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	336415	118.80	ng	-0.02
7) Phenol-d6	7.17	99	392444	102.80	ng	-0.02
23) Nitrobenzene-d5	9.18	82	304129	103.70	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	346959	199.40	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	949929	109.37	ng	-0.03
79) Terphenyl-d14	20.04	244	2014780	101.27	ng	-0.03

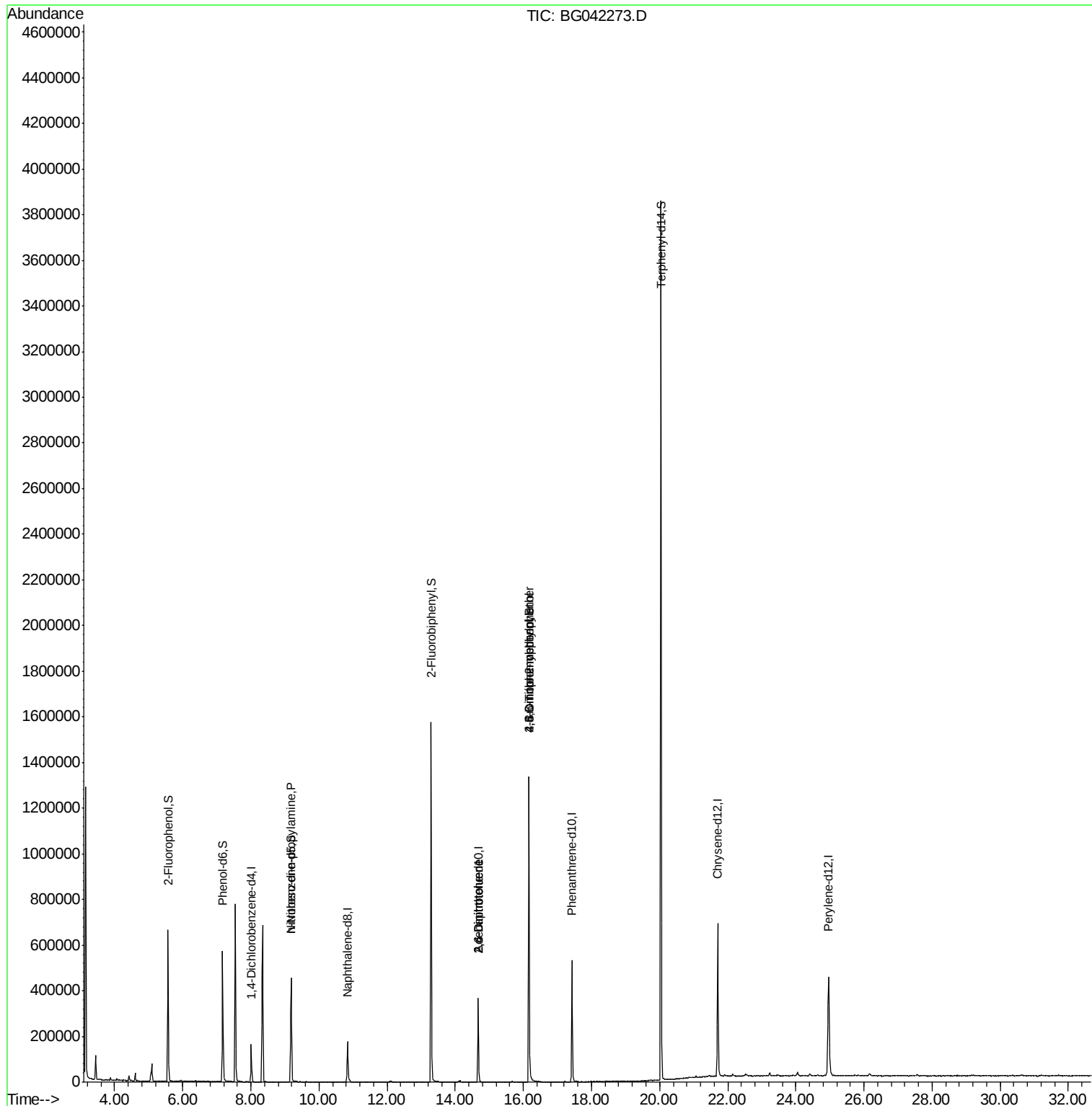
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.18	70	38437	13.868	ng	# 65
51) 2,6-Dinitrotoluene	14.67	165	20511	9.376	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	20512	6.818	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.17	198	664	7.154	ng	# 1
67) 4-Bromophenyl-phenylether	16.17	248	24182	5.085	ng	# 1

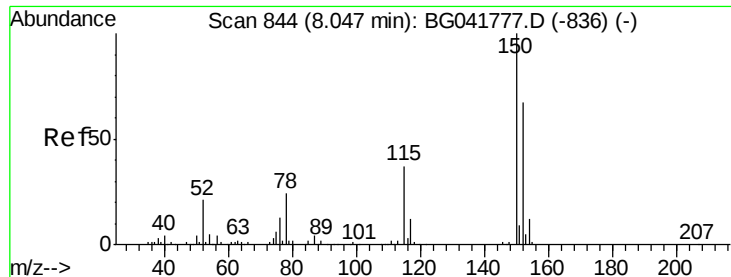
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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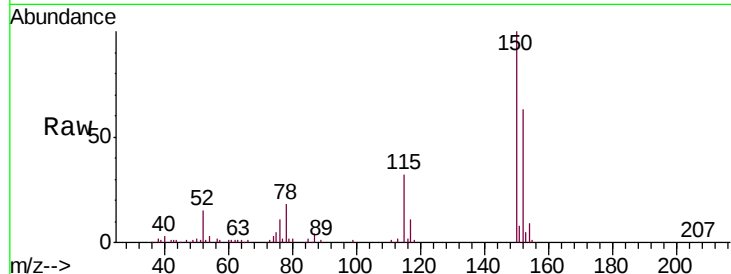


#1

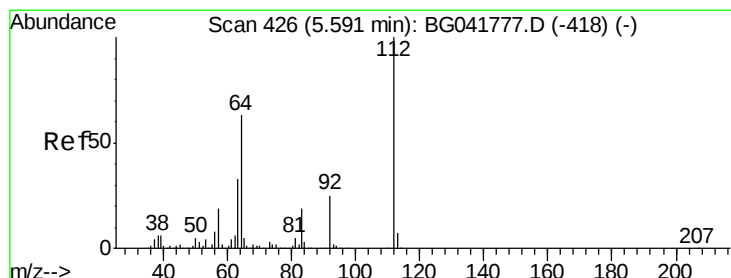
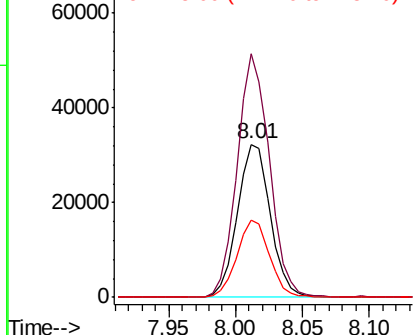
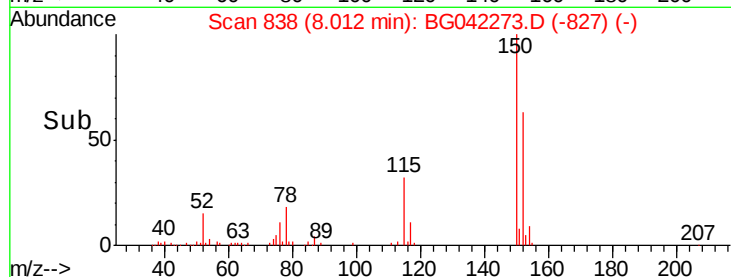
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(3.4)

Tgt Ion:152 Resp: 55094
Ion Ratio Lower Upper
152 100
150 158.9 126.9 190.3
115 50.2 45.0 67.6



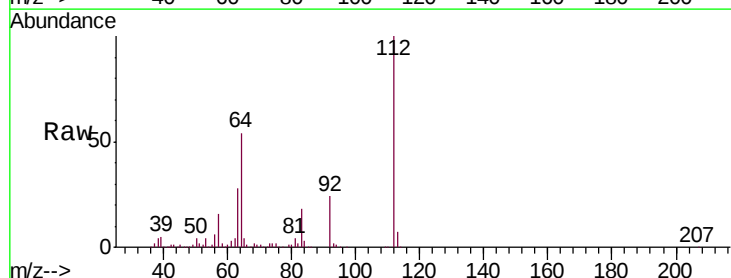
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



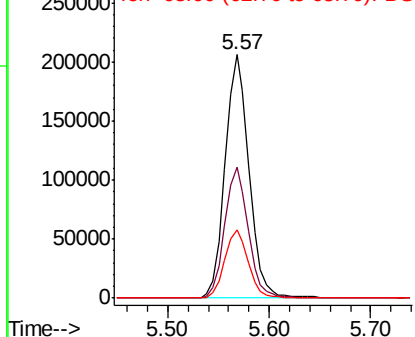
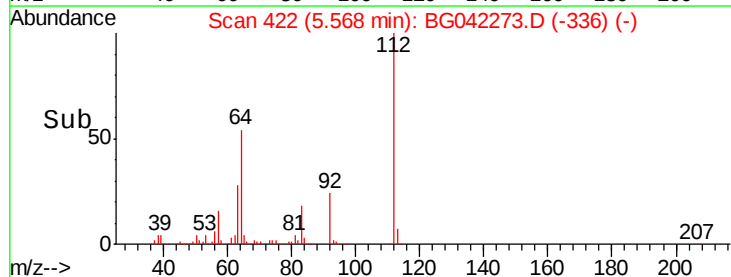
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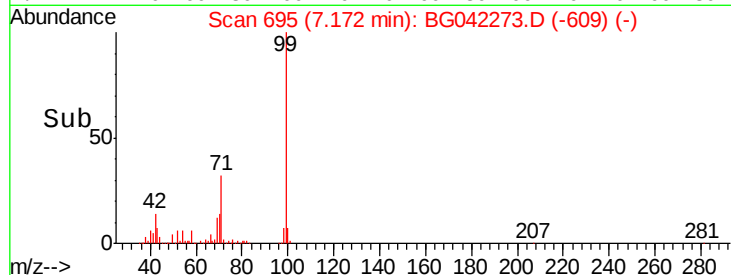
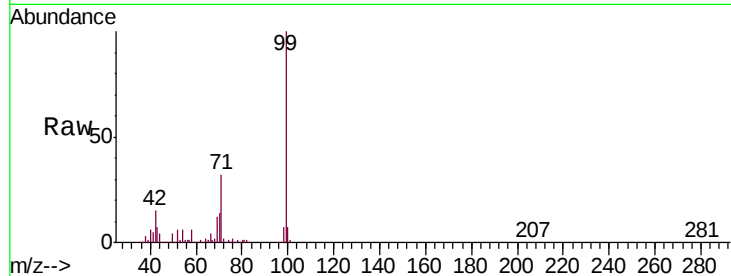
2-Fluorophenol
Concen: 118.803 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.02 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Tgt Ion:112 Resp: 336415
Ion Ratio Lower Upper
112 100
64 53.6 55.4 83.2#
63 27.9 29.1 43.7#



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: 102.799 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(3.4)

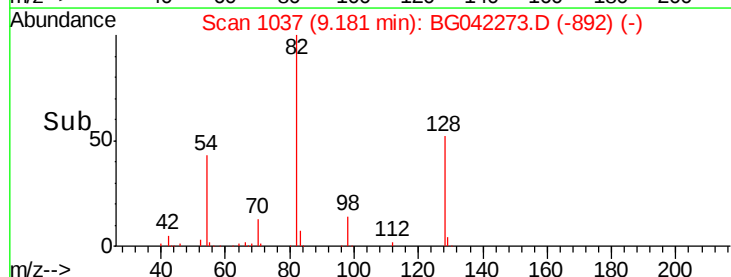
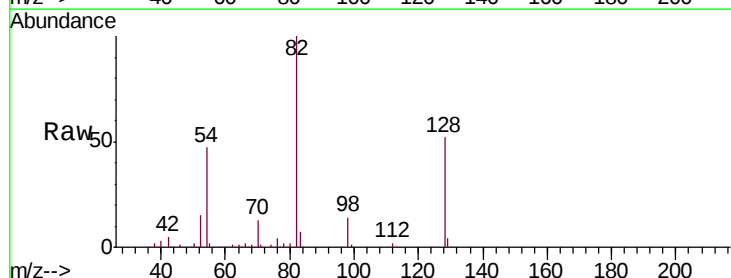
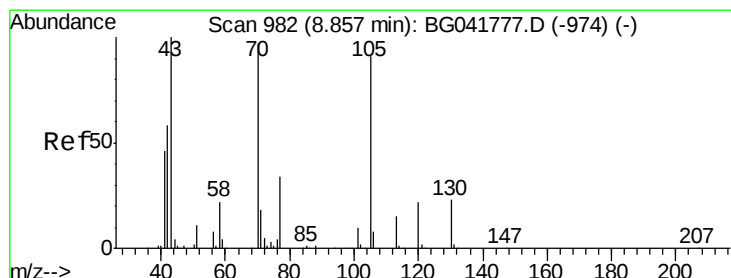
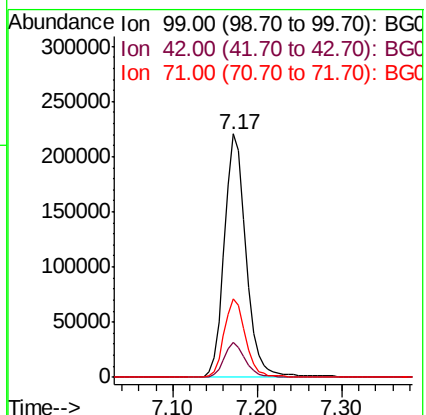
Tgt Ion: 99 Resp: 392444

Ion Ratio Lower Upper

99 100

42 14.5 17.6 26.4#

71 32.0 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.868 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.32 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

Tgt Ion: 70 Resp: 38437

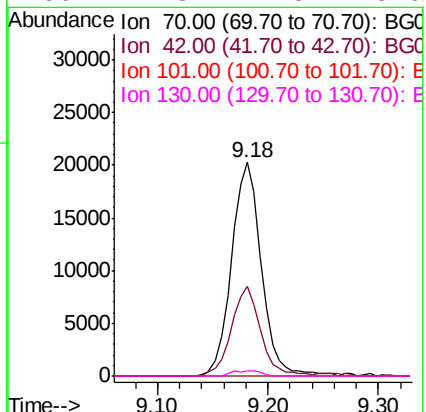
Ion Ratio Lower Upper

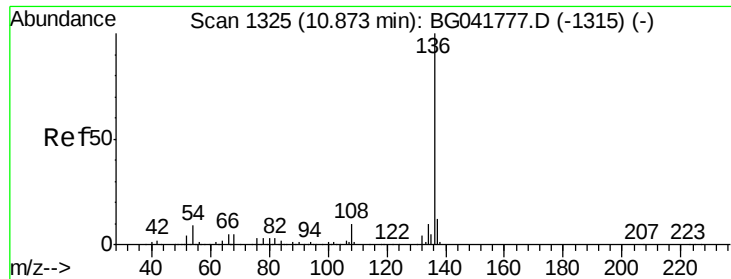
70 100

42 42.1 55.8 83.6#

101 0.0 8.1 12.1#

130 2.3 17.3 25.9#

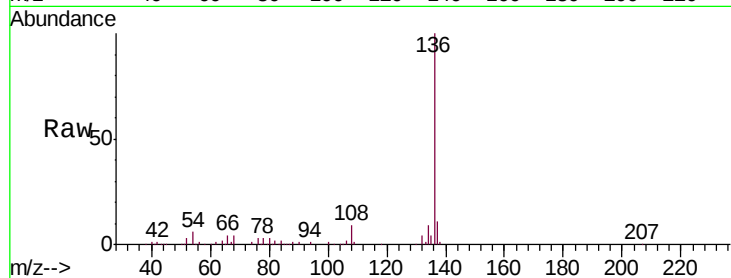




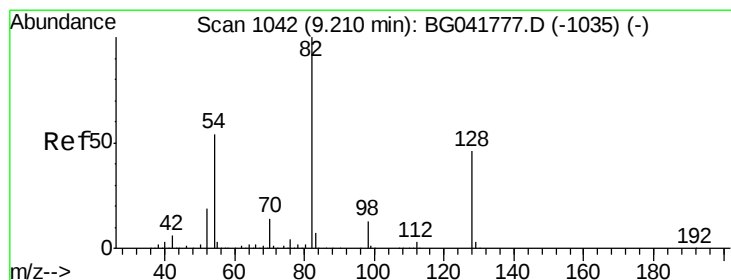
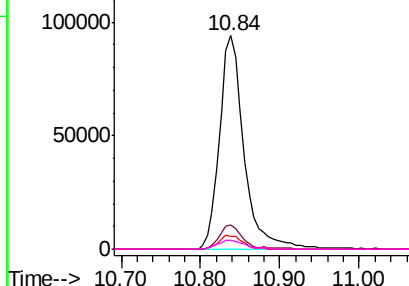
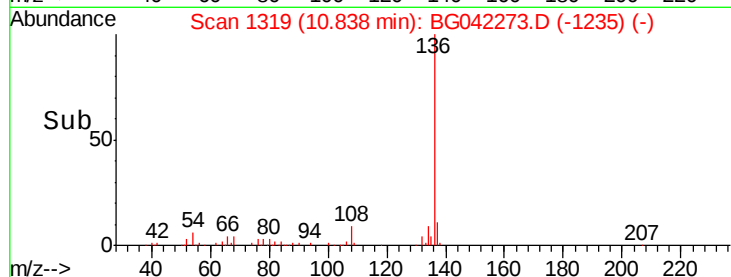
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(3.4)

Tgt Ion:	136	Resp:	201829
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.2	8.7	13.1#
68	4.4	5.5	8.3#

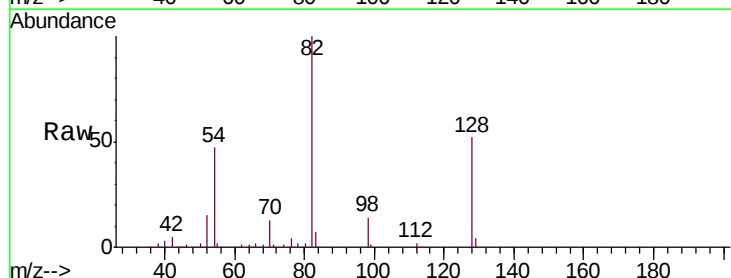


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

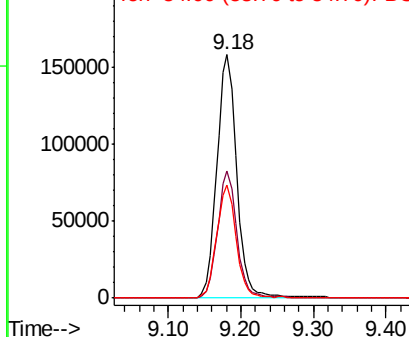
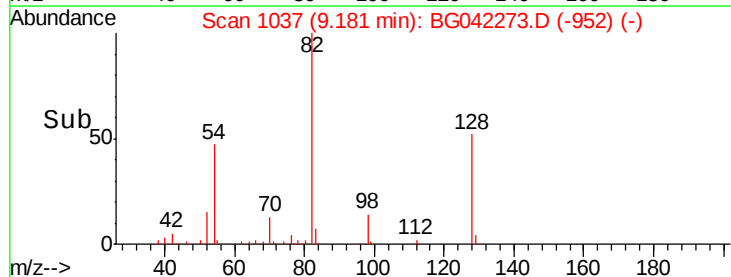


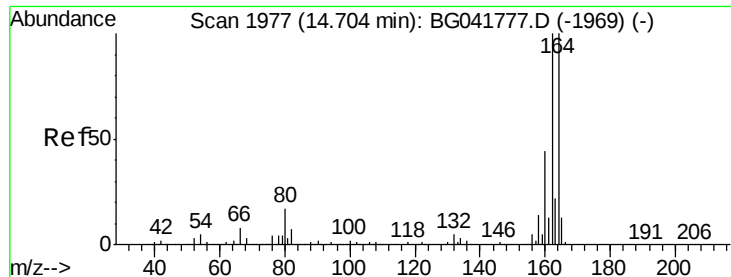
#23
Nitrobenzene-d5
Concen: 103.697 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Tgt Ion:	82	Resp:	304129
Ion	Ratio	Lower	Upper
82	100		
128	52.0	35.1	52.7
54	46.7	48.7	73.1#



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

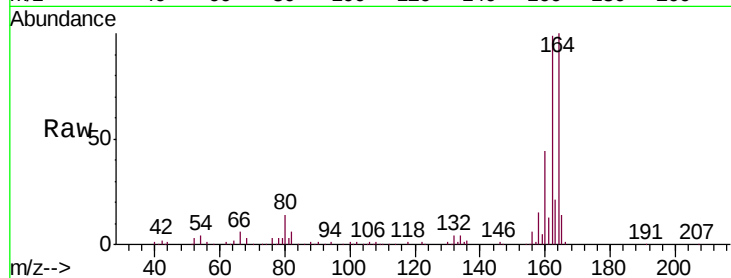




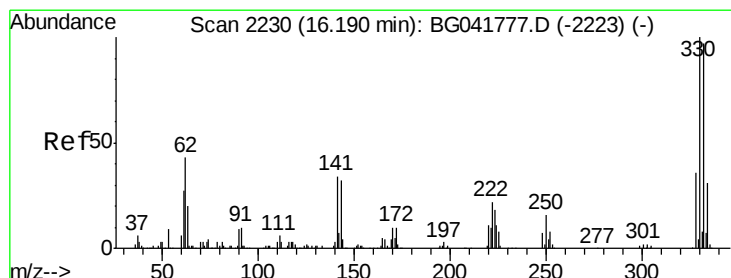
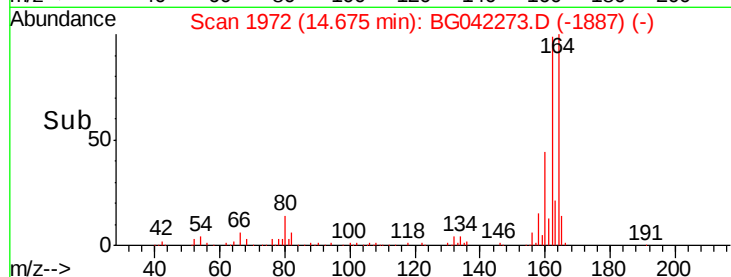
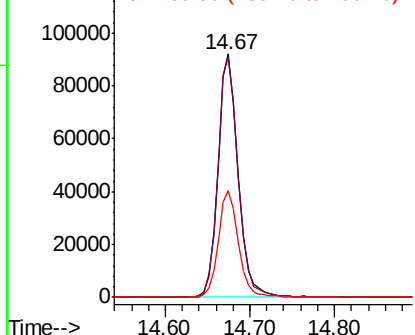
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(3.4)

Tgt Ion:164 Resp: 153188
Ion Ratio Lower Upper
164 100
162 98.5 79.6 119.4
160 44.0 35.4 53.0

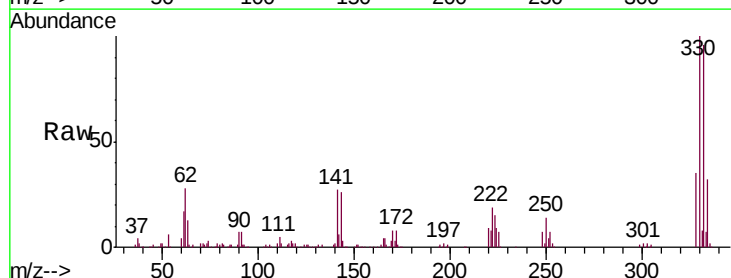


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

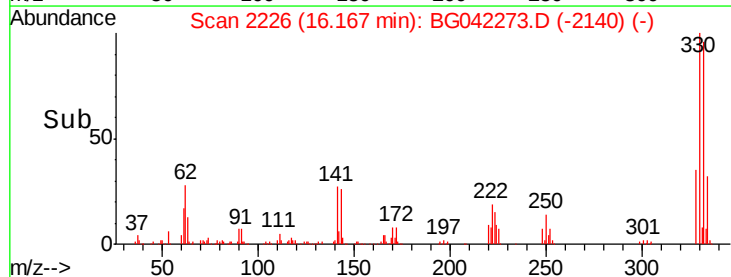
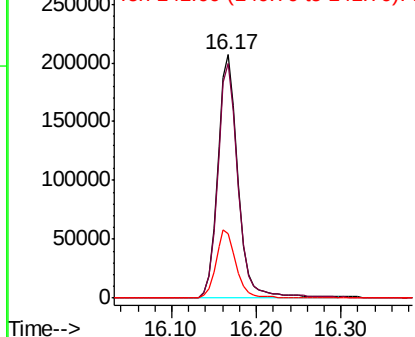


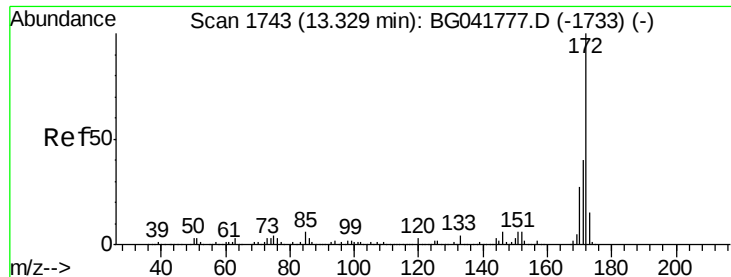
#42
2,4,6-Tribromophenol
Concen: 199.401 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.02 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Tgt Ion:330 Resp: 346959
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 28.2 31.9 47.9#



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

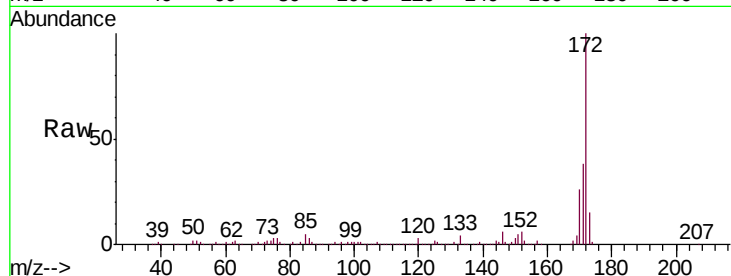




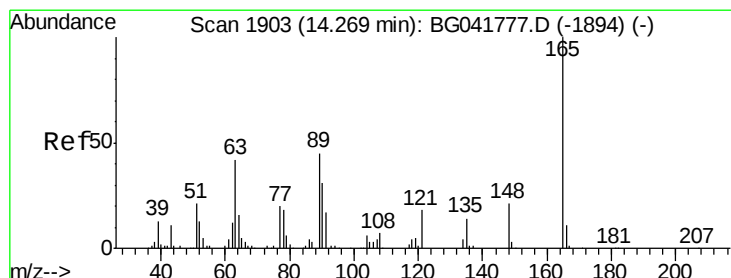
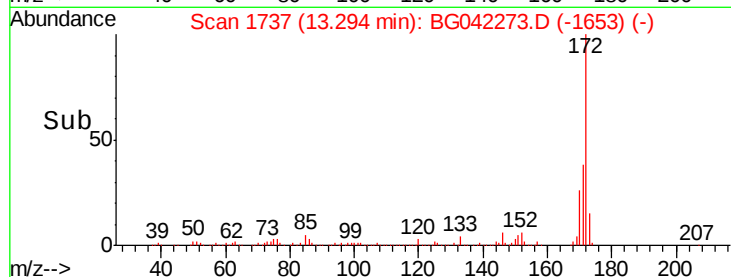
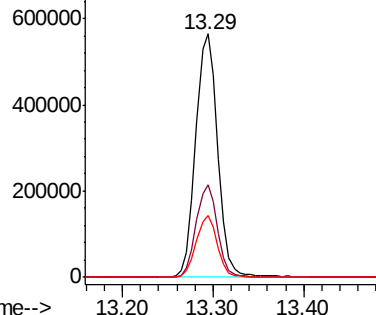
#45
 2-Fluorobiphenyl
 Concen: 109.370 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. -0.03 min
 Lab File: BG042273.D
 Acq: 16 Aug 2019 23:43

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Tgt Ion:172 Resp: 949929
 Ion Ratio Lower Upper
 172 100
 171 37.8 35.0 52.4
 170 25.7 23.5 35.3

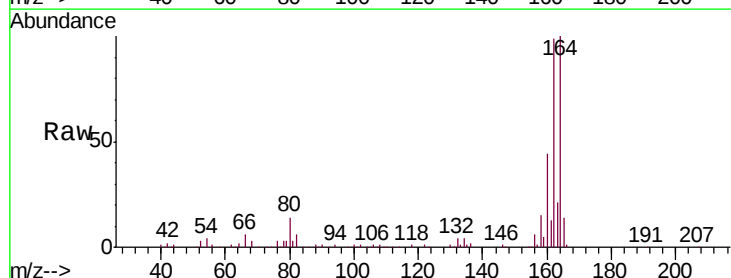


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

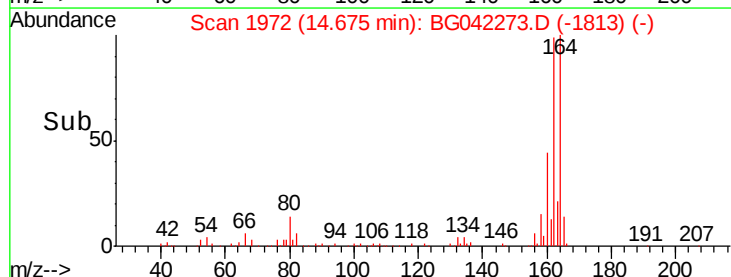
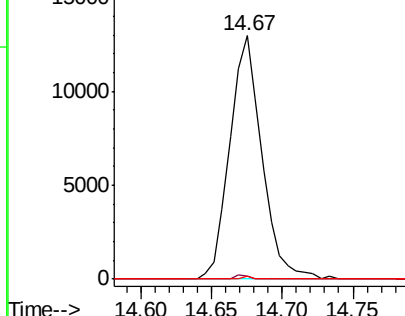


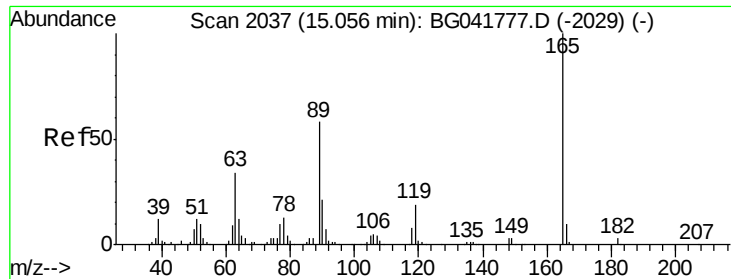
#51
 2,6-Dinitrotoluene
 Concen: 9.376 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.41 min
 Lab File: BG042273.D
 Acq: 16 Aug 2019 23:43

Tgt Ion:165 Resp: 20511
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.4 63.6#
 89 1.4 42.1 63.1#



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

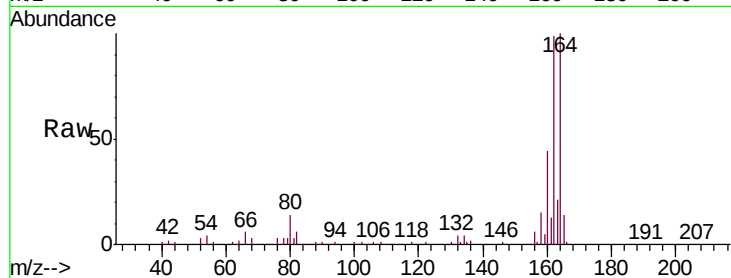




#57
 2,4-Dinitrotoluene
 Concen: 6.818 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.38 min
 Lab File: BG042273.D
 Acq: 16 Aug 2019 23:43

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-A1-A4-(3.4)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.7	47.5#
89	1.4	50.2	75.4#
182	0.0	2.6	4.0#

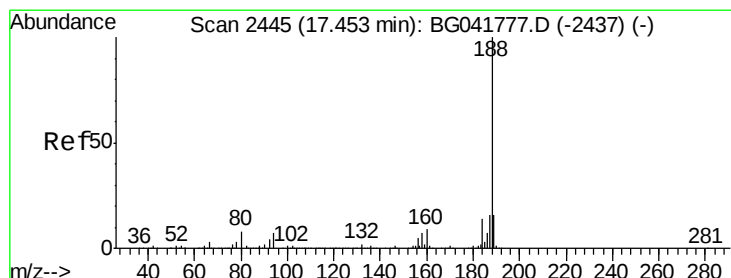
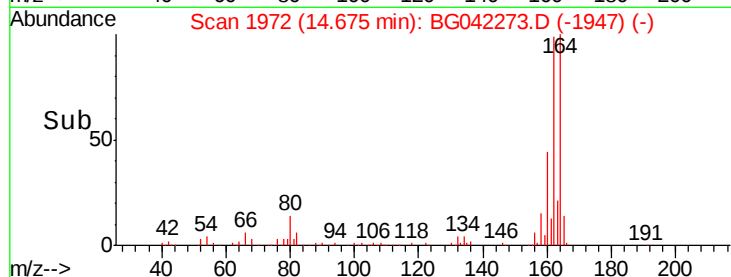
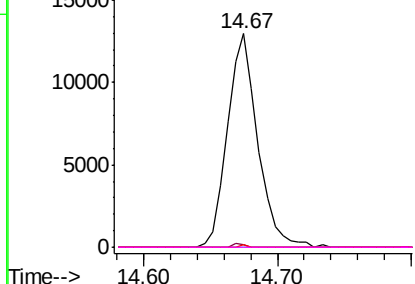


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

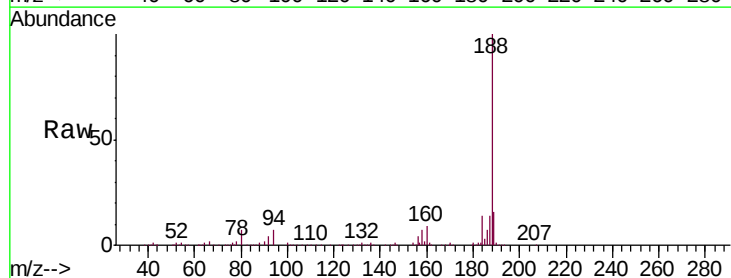
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.03 min
 Lab File: BG042273.D
 Acq: 16 Aug 2019 23:43

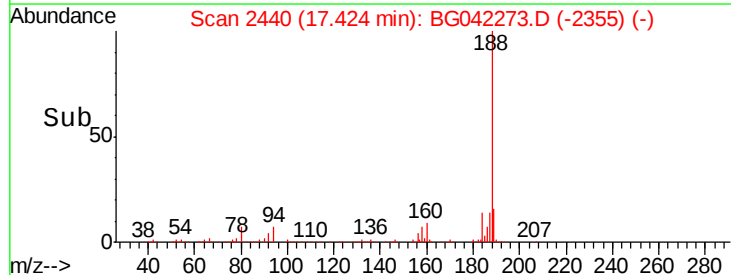
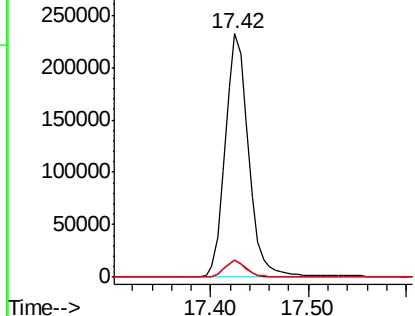
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	6.9	10.3#
80	6.8	8.0	12.0#

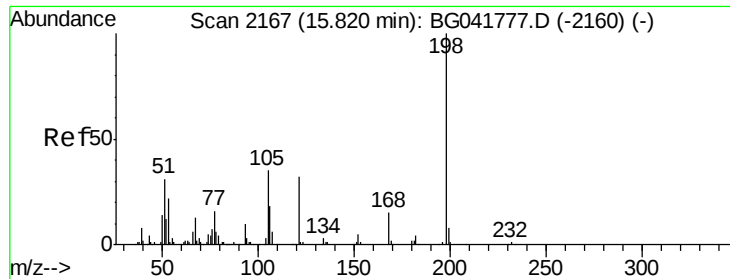


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.154 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.35 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(3.4)

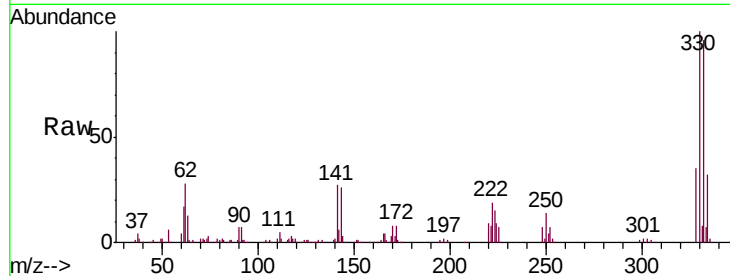
Tgt Ion:198 Resp: 664

Ion Ratio Lower Upper

198 100

51 89.9 22.3 62.3#

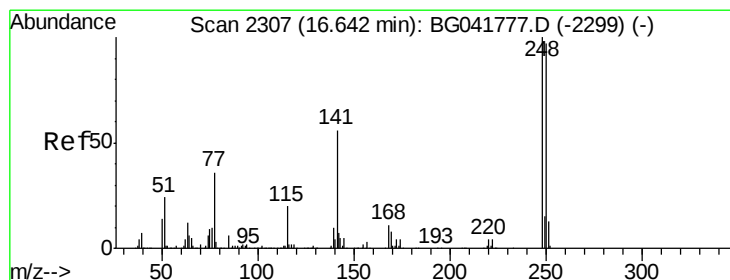
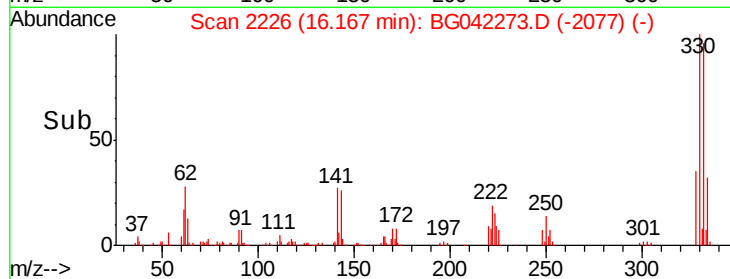
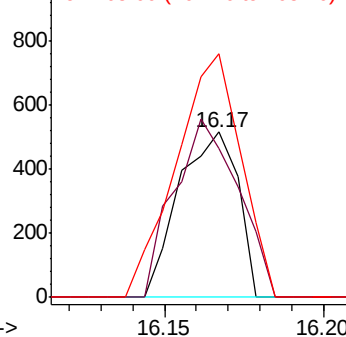
105 147.5 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 5.085 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.48 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

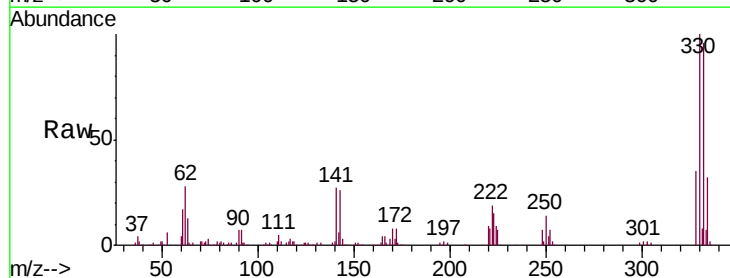
Tgt Ion:248 Resp: 24182

Ion Ratio Lower Upper

248 100

250 196.9 78.1 117.1#

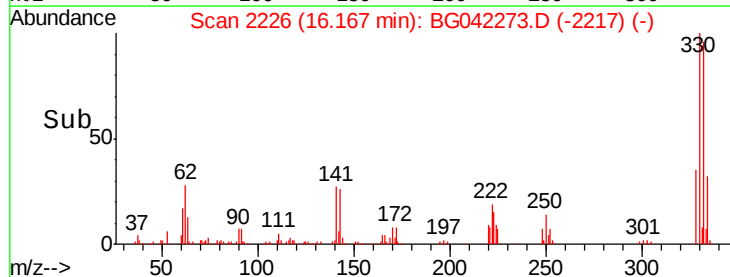
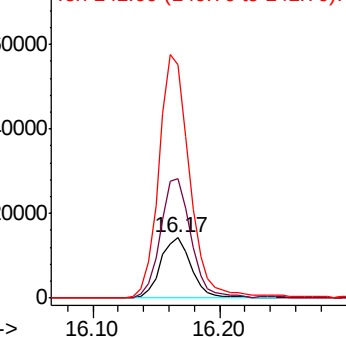
141 386.4 49.6 74.4#

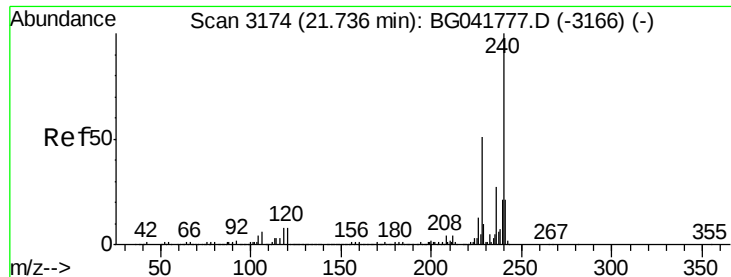


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

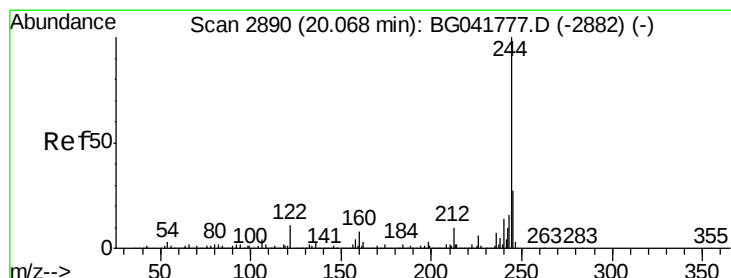
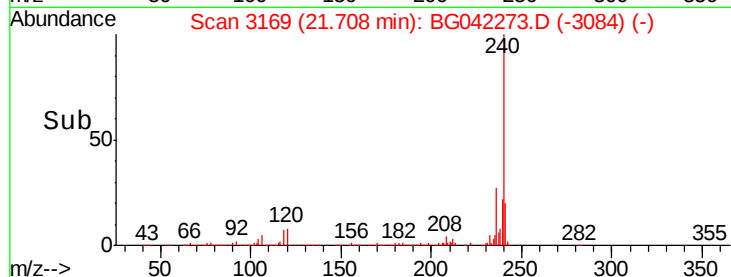
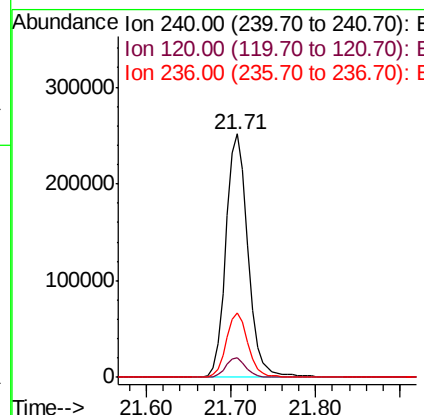
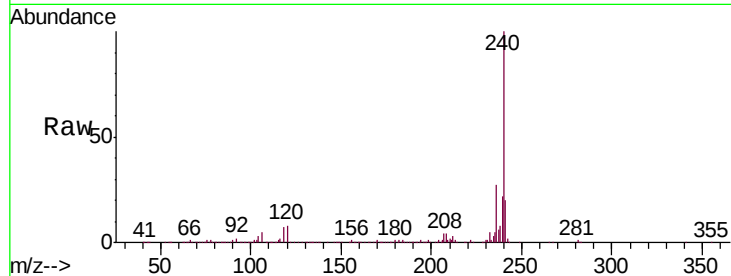




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

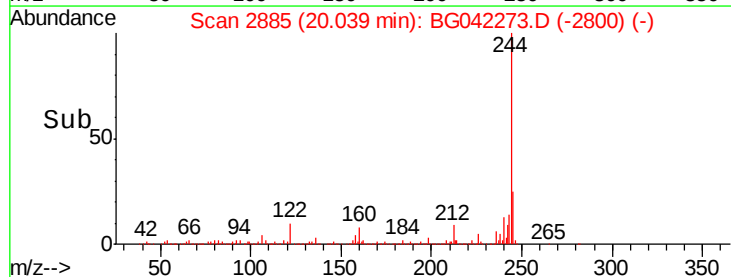
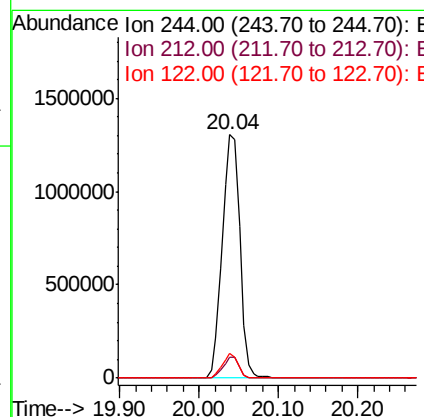
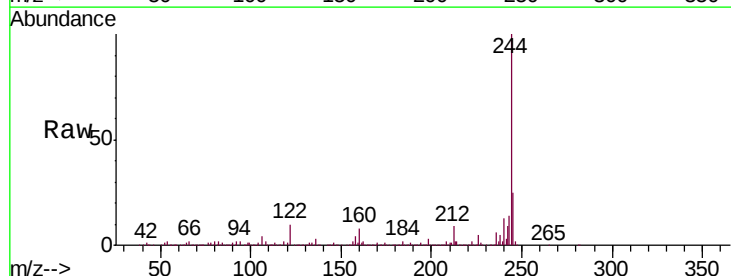
Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(3.4)

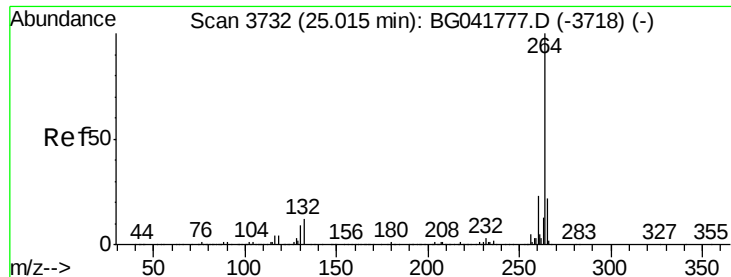
Tgt Ion:240 Resp: 455241
Ion Ratio Lower Upper
240 100
120 8.0 8.0 12.0#
236 26.6 22.6 33.8



#79
Terphenyl-d14
Concen: 101.273 ng
RT: 20.04 min Scan# 2885
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Tgt Ion:244 Resp: 2014780
Ion Ratio Lower Upper
244 100
212 8.5 9.7 14.5#
122 10.3 12.5 18.7#





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.96 min Scan# 3723
Delta R.T. -0.05 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(3.4)

Tgt Ion:	264	Resp:	524387
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.0	18.0	27.0

