

Data File : BG042276.D
Acq On : 17 Aug 2019 1:40
Operator : HP/JU
Sample : K4265-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-C-(0-3.4)

Quant Time: Aug 17 05:38:29 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	59312	20.00	ng	-0.03
21) Naphthalene-d8	10.84	136	222120	20.00	ng	-0.03
39) Acenaphthene-d10	14.67	164	162074	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	400751	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	477601	20.00	ng	-0.03
87) Perylene-d12	24.96	264	549764	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	390373	128.05	ng	-0.02
7) Phenol-d6	7.17	99	476935	116.05	ng	-0.02
23) Nitrobenzene-d5	9.18	82	331664	102.75	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	345721	187.80	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	990190	107.75	ng	-0.04
79) Terphenyl-d14	20.04	244	1985327	95.12	ng	-0.03

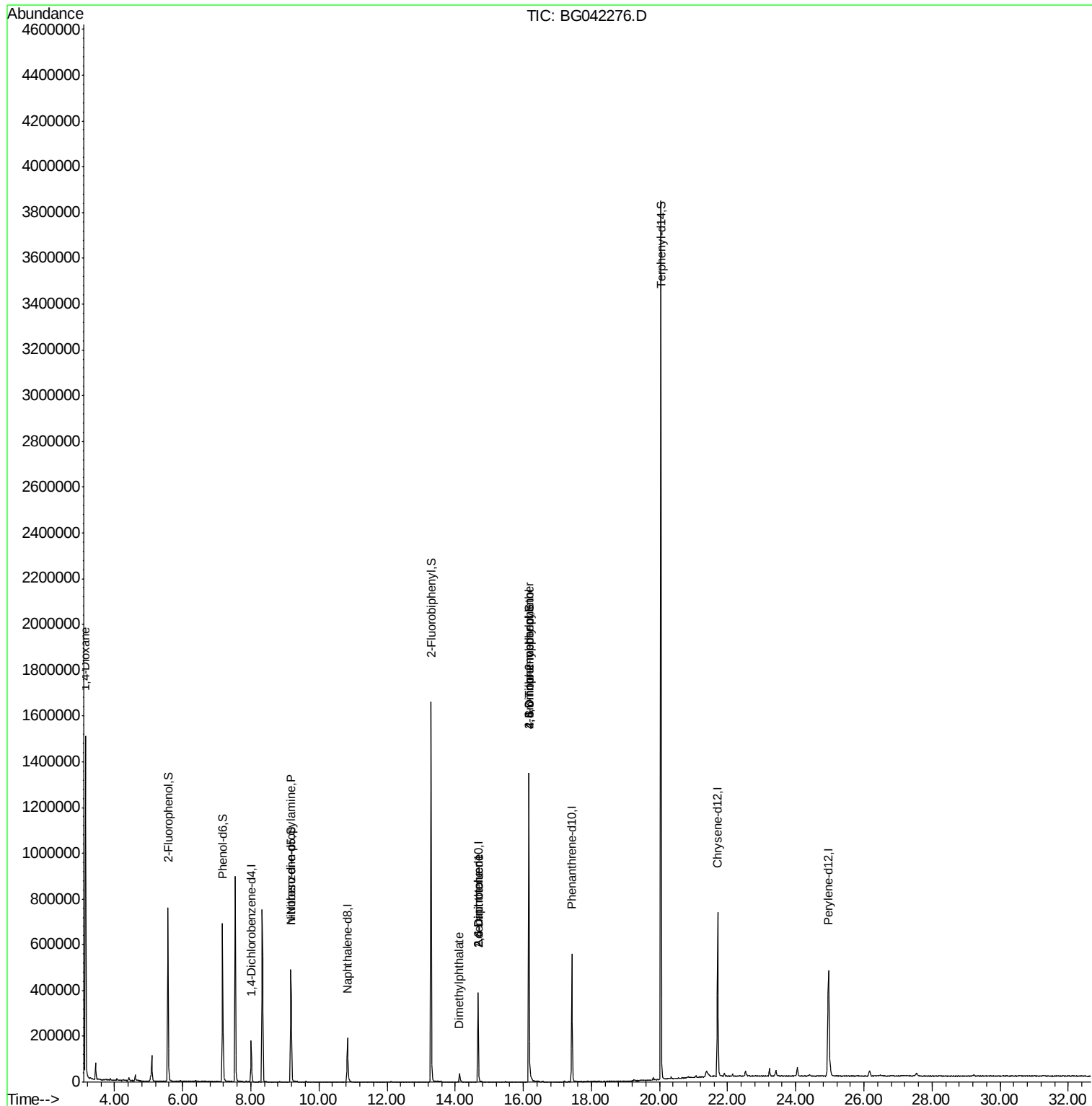
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.14	88	16819	11.722	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	42334	14.188	ng	# 60
50) Dimethylphthalate	14.12	163	43674	3.946	ng	# 96
51) 2,6-Dinitrotoluene	14.67	165	21205	9.162	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	21205	6.662	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.17	198	657	7.139	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	24071	4.876	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: BG042276.D

Acq: 17 Aug 2019 1:40

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-C-(0-3.4)

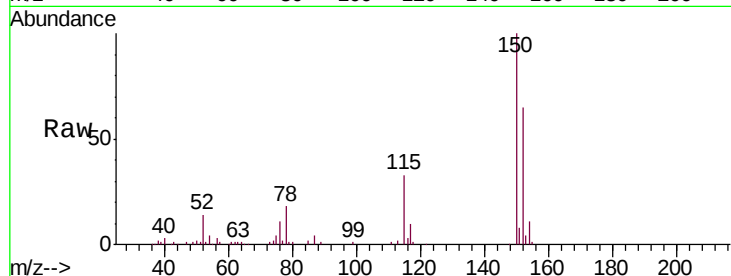
Tgt Ion:152 Resp: 59312

Ion Ratio Lower Upper

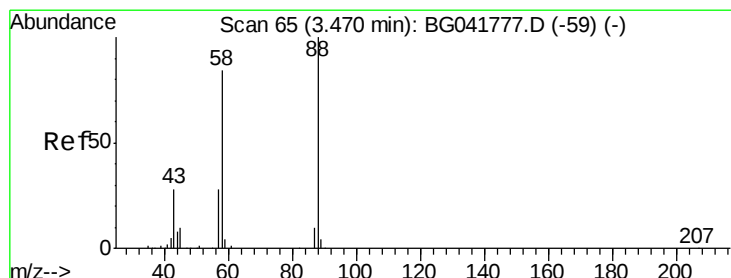
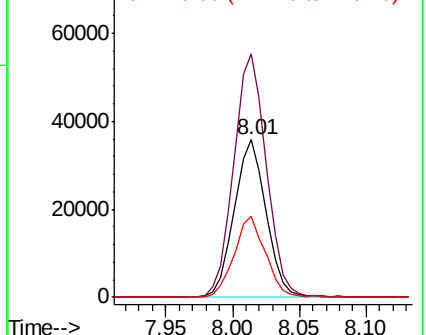
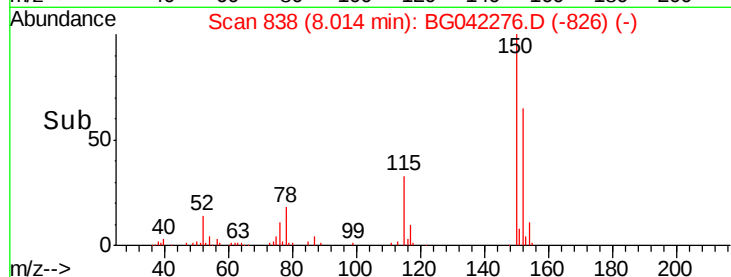
152 100

150 154.5 126.9 190.3

115 51.4 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



#2

1,4-Dioxane

Concen: 11.722 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042276.D

Acq: 17 Aug 2019 1:40

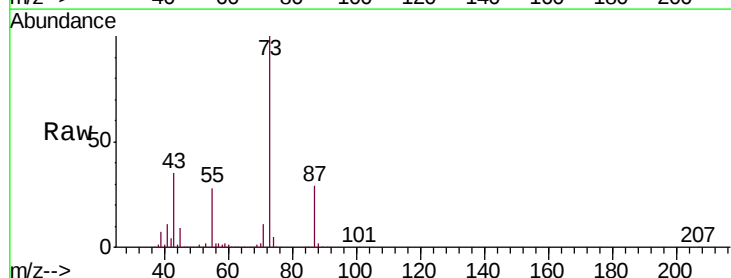
Tgt Ion: 88 Resp: 16819

Ion Ratio Lower Upper

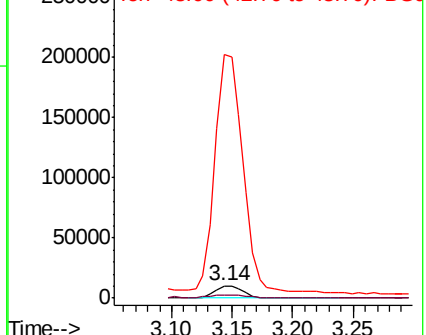
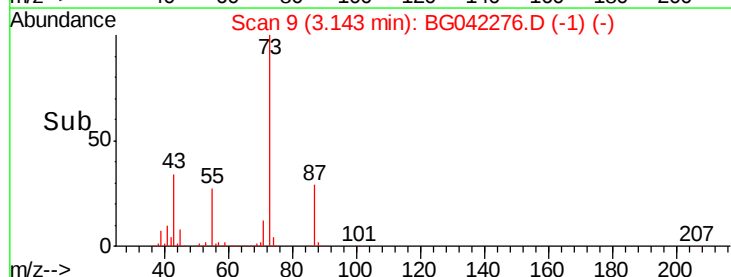
88 100

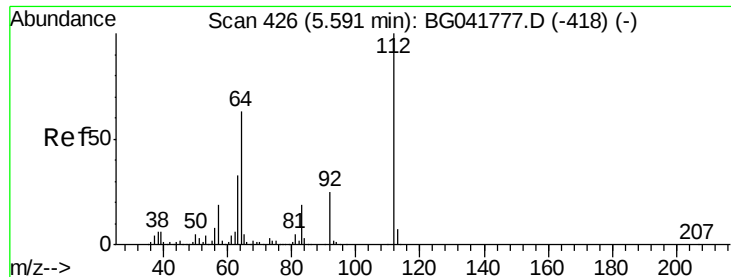
58 23.1 76.2 114.2#

43 1912.6 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 128.055 ng

RT: 5.57 min Scan# 422

Delta R.T. -0.02 min

Lab File: BG042276.D

Acq: 17 Aug 2019 1:40

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-C-(0-3.4)

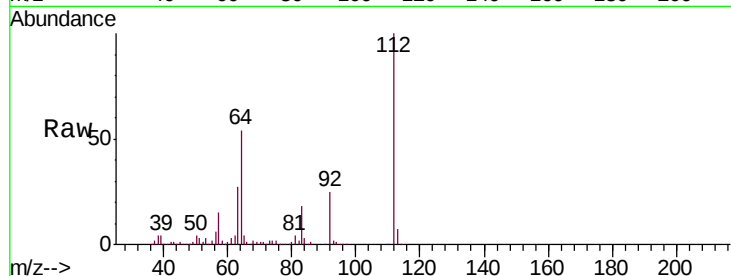
Tgt Ion: 112 Resp: 390373

Ion Ratio Lower Upper

112 100

64 54.4 55.4 83.2#

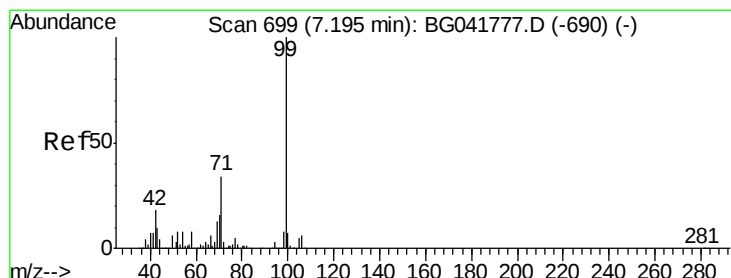
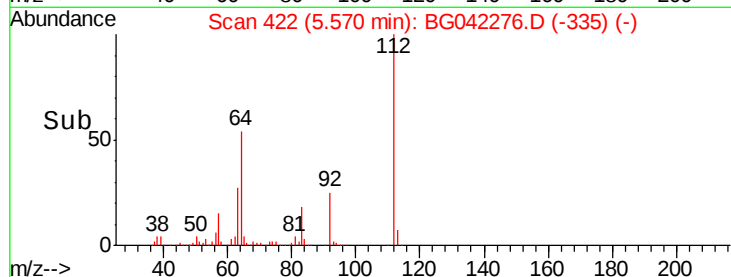
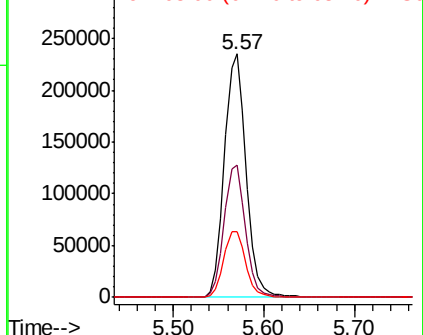
63 27.2 29.1 43.7#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 116.047 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042276.D

Acq: 17 Aug 2019 1:40

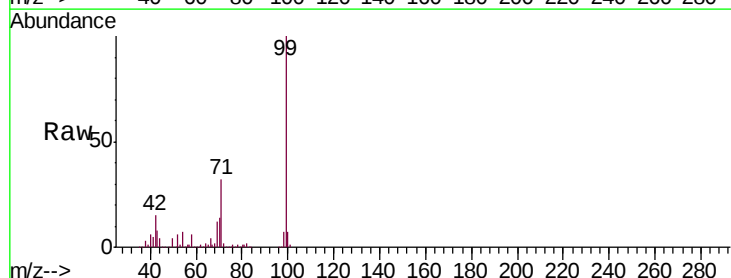
Tgt Ion: 99 Resp: 476935

Ion Ratio Lower Upper

99 100

42 14.6 17.6 26.4#

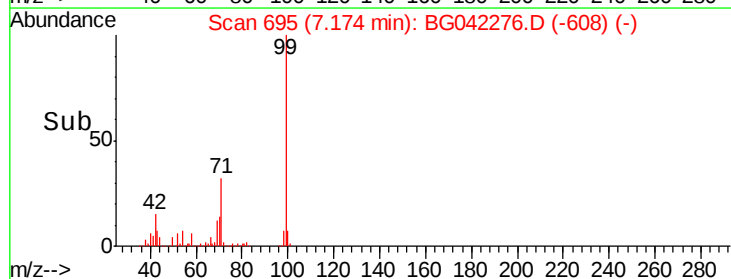
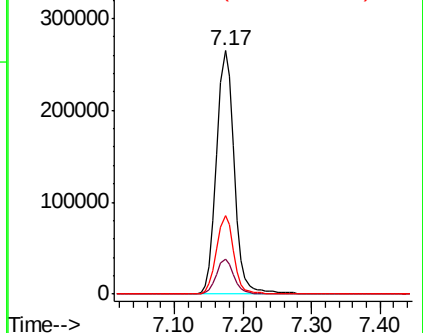
71 32.2 27.8 41.6

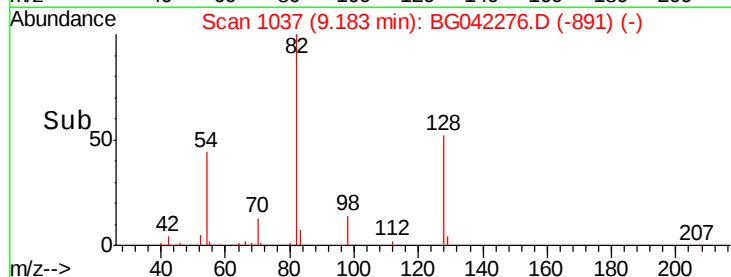
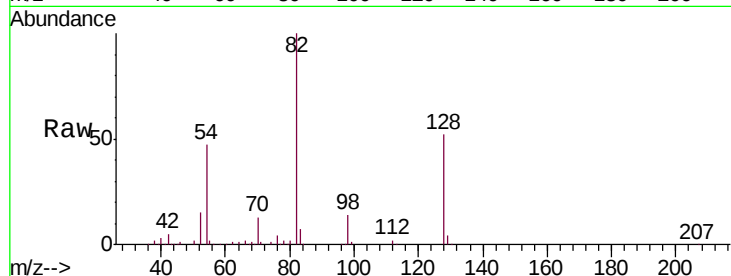
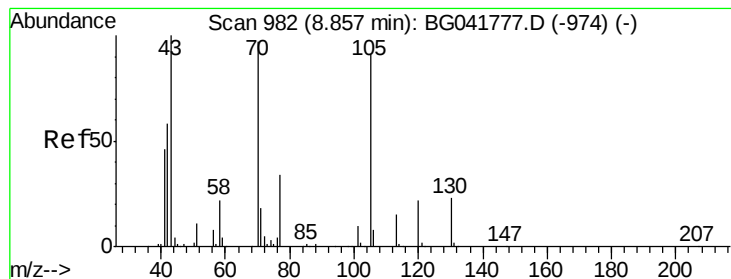


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 14.188 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.33 min

Lab File: BG042276.D

Acq: 17 Aug 2019 1:40

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-C-(0-3.4)

Tgt Ion: 70 Resp: 42334

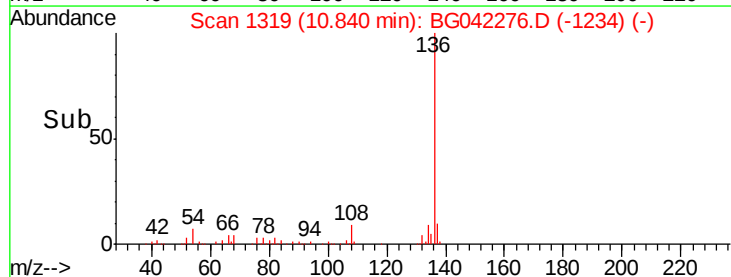
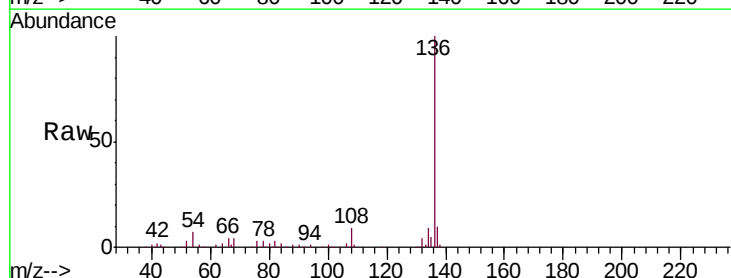
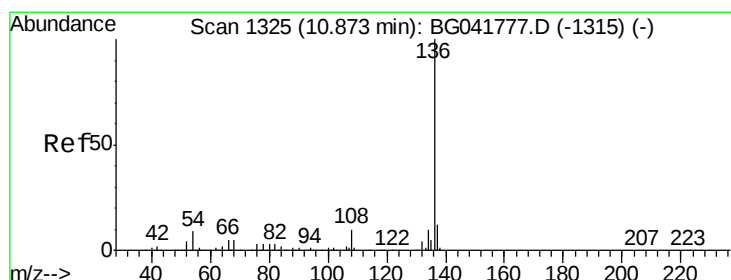
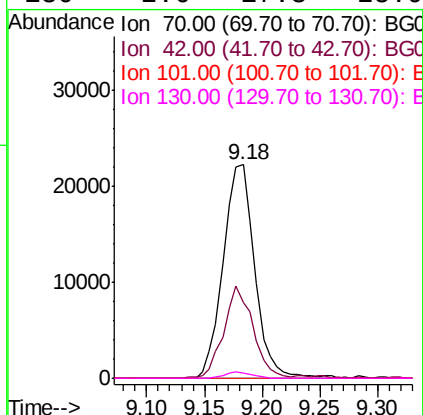
Ion Ratio Lower Upper

70 100

42 35.3 55.8 83.6#

101 0.0 8.1 12.1#

130 2.6 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: BG042276.D

Acq: 17 Aug 2019 1:40

Tgt Ion: 136 Resp: 222120

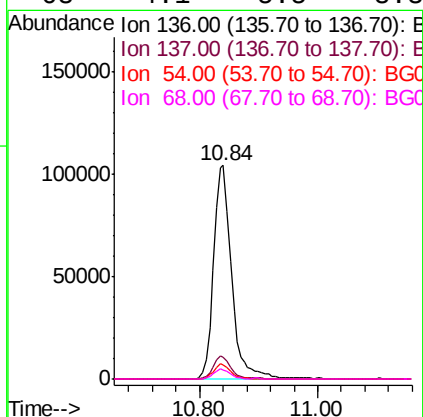
Ion Ratio Lower Upper

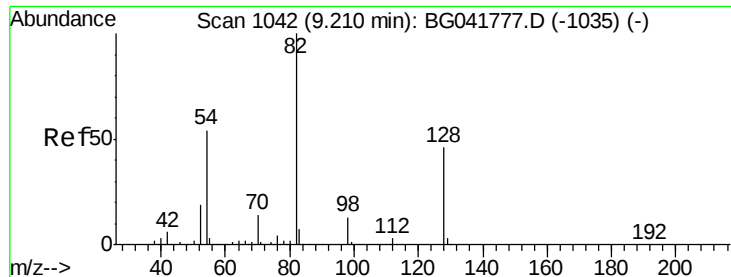
136 100

137 10.5 9.2 13.8

54 6.7 8.7 13.1#

68 4.1 5.5 8.3#

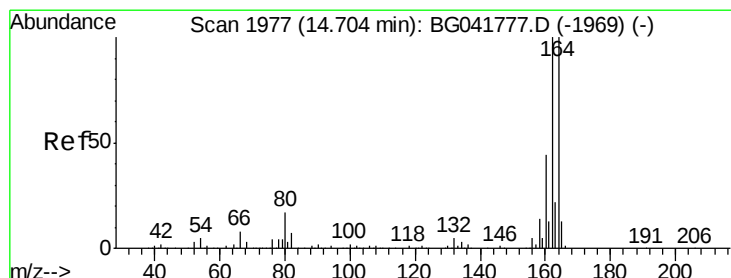
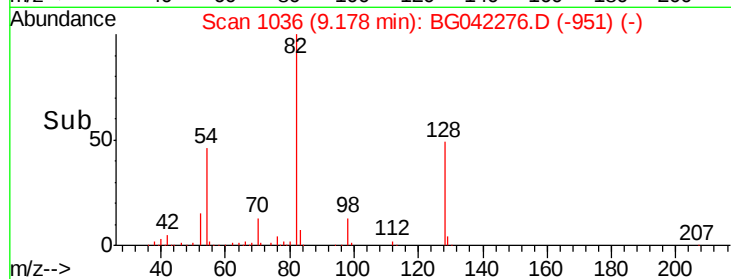
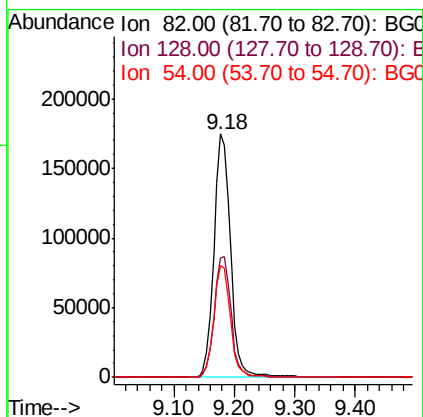
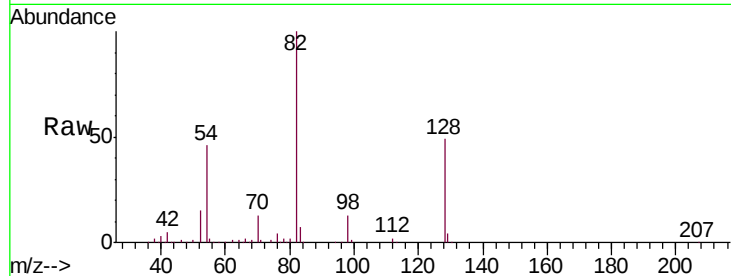




#23
 Nitrobenzene-d5
 Concen: 102.755 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.03 min
 Lab File: BG042276.D
 Acq: 17 Aug 2019 1:40

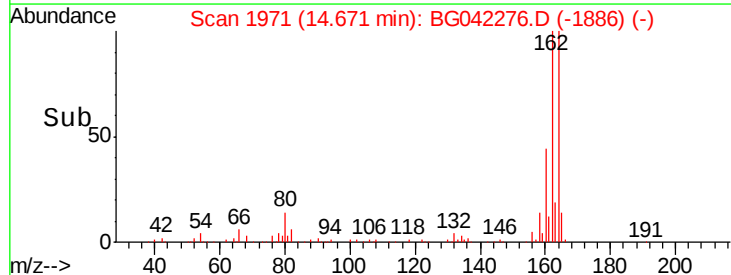
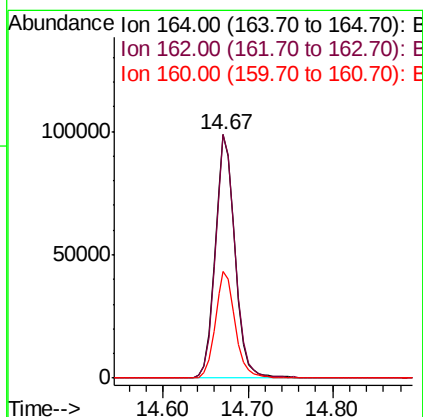
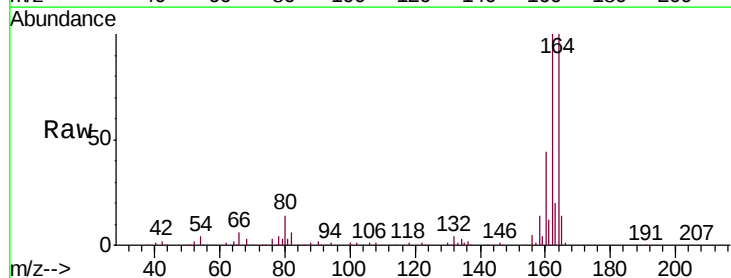
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-C-(0-3.4)

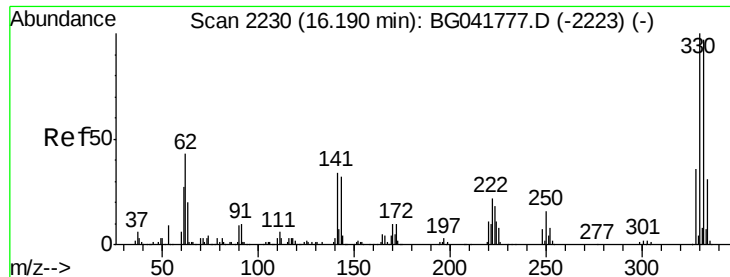
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.0	35.1	52.7
54	45.9	48.7	73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.03 min
 Lab File: BG042276.D
 Acq: 17 Aug 2019 1:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.6	119.4
160	44.0	35.4	53.0

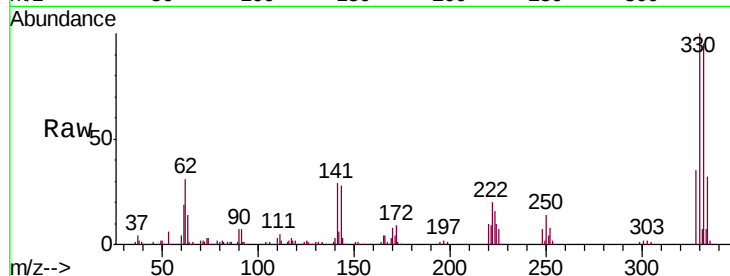




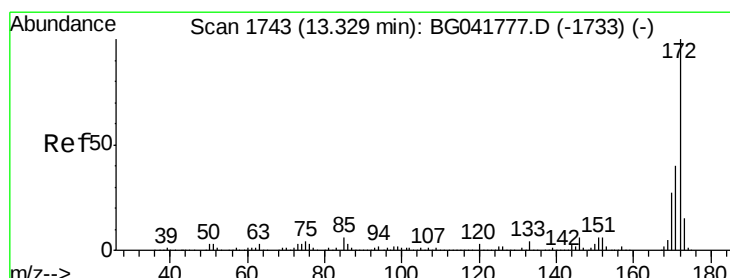
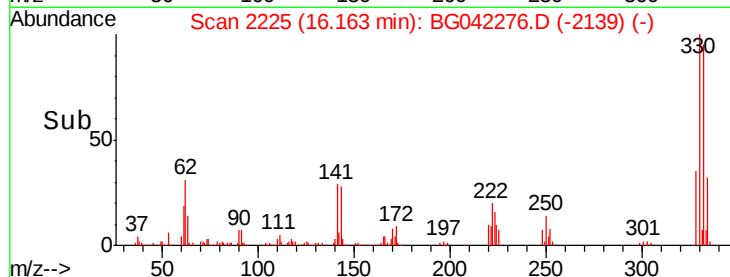
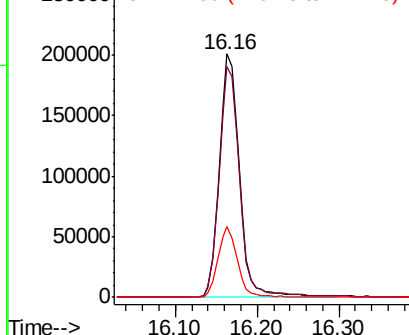
#42
 2,4,6-Tribromophenol
 Concen: 187.796 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: BG042276.D
 Acq: 17 Aug 2019 1:40

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-C-(0-3.4)

Tgt Ion:330 Resp: 345721
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.0
 141 28.1 31.9 47.9#

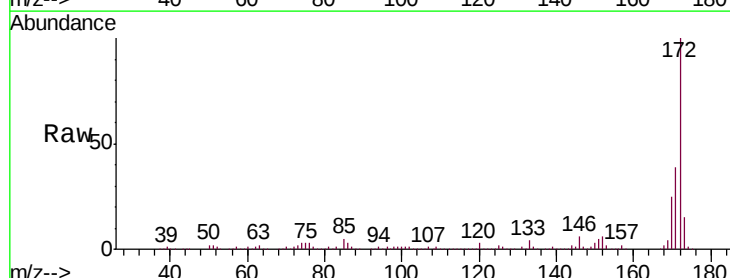


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

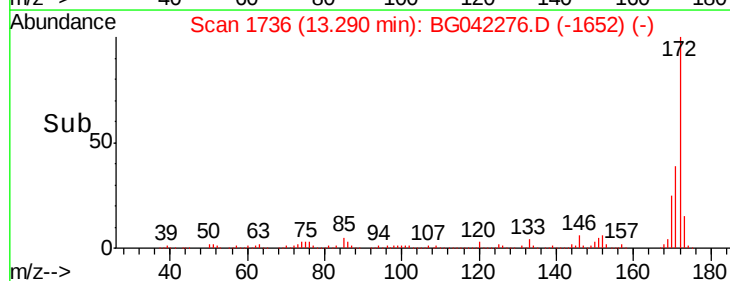
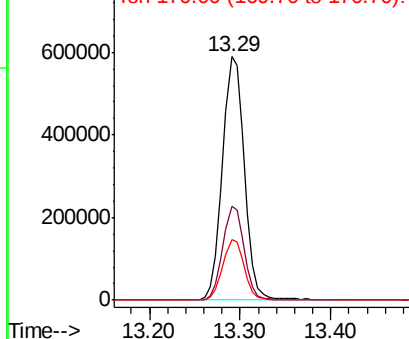


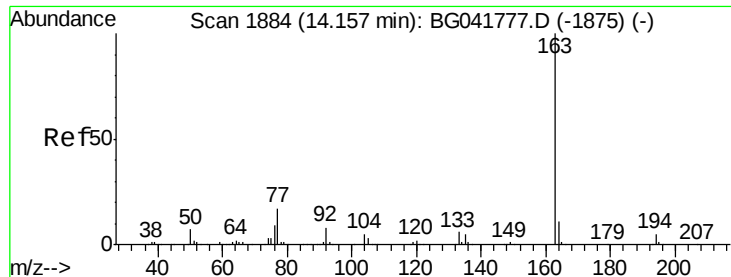
#45
 2-Fluorobiphenyl
 Concen: 107.755 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042276.D
 Acq: 17 Aug 2019 1:40

Tgt Ion:172 Resp: 990190
 Ion Ratio Lower Upper
 172 100
 171 38.7 35.0 52.4
 170 24.7 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





#50

Dimethylphthalate

Concen: 3.946 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.03 min

Lab File: BG042276.D

Acq: 17 Aug 2019 1:40

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-C-(0-3.4)

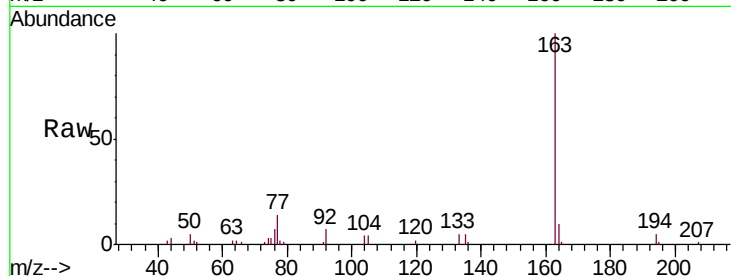
Tgt Ion:163 Resp: 43674

Ion Ratio Lower Upper

163 100

194 4.7 4.2 6.2

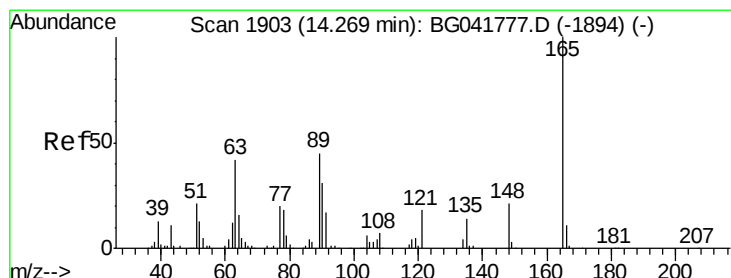
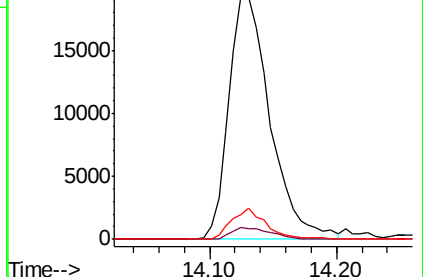
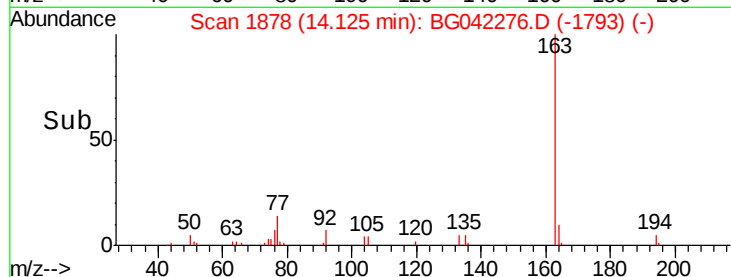
164 10.0 9.4 14.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.162 ng

RT: 14.67 min Scan# 1971

Delta R.T. 0.40 min

Lab File: BG042276.D

Acq: 17 Aug 2019 1:40

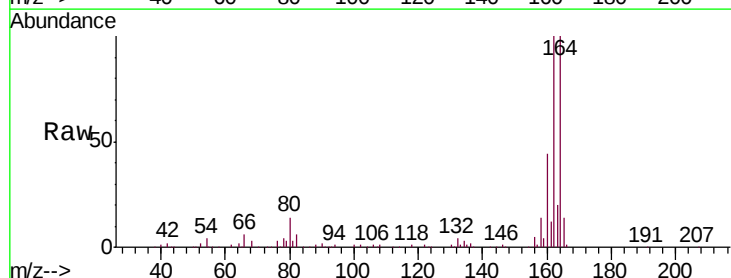
Tgt Ion:165 Resp: 21205

Ion Ratio Lower Upper

165 100

63 0.0 42.4 63.6#

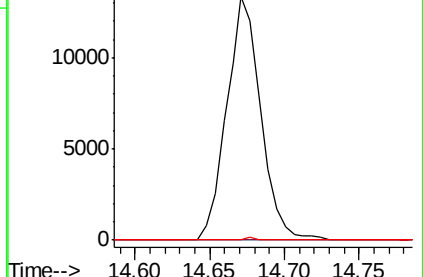
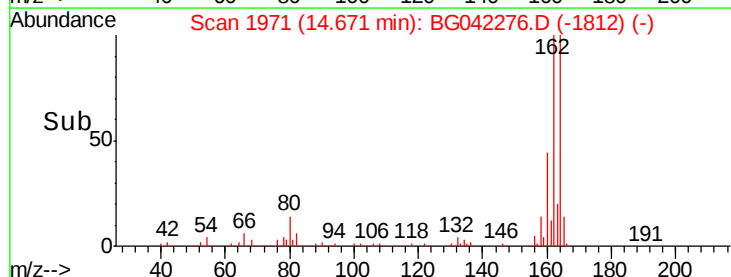
89 0.0 42.1 63.1#

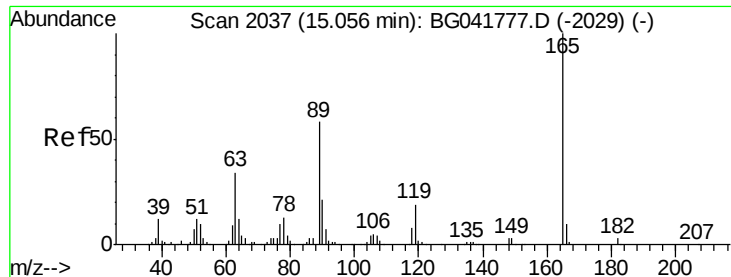


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

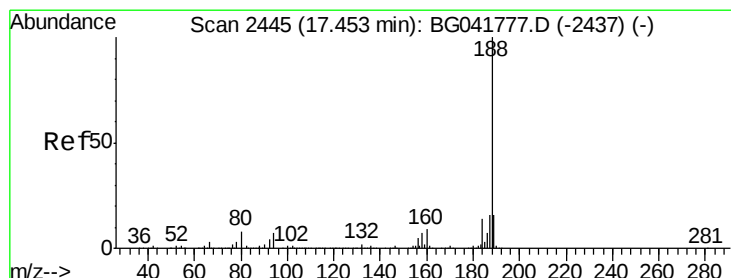
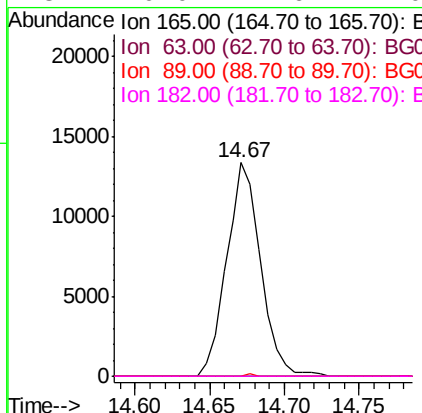
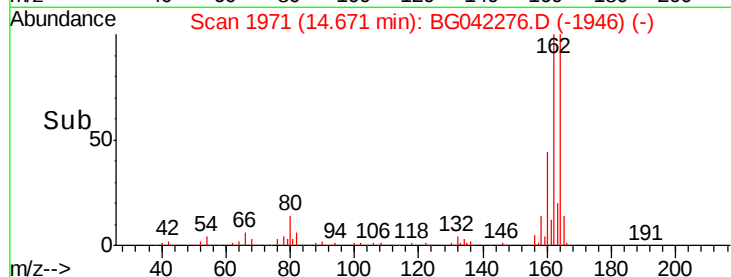
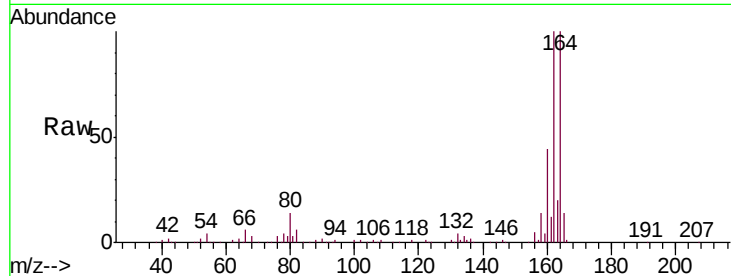




#57
 2,4-Dinitrotoluene
 Concen: 6.662 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG042276.D
 Acq: 17 Aug 2019 1:40

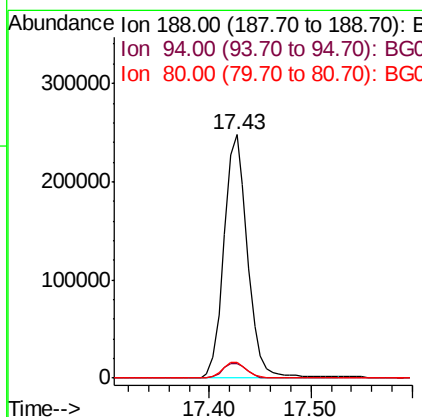
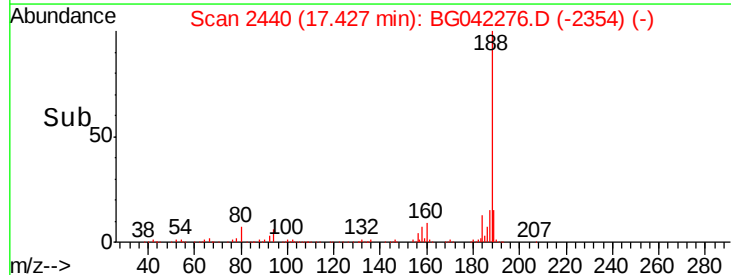
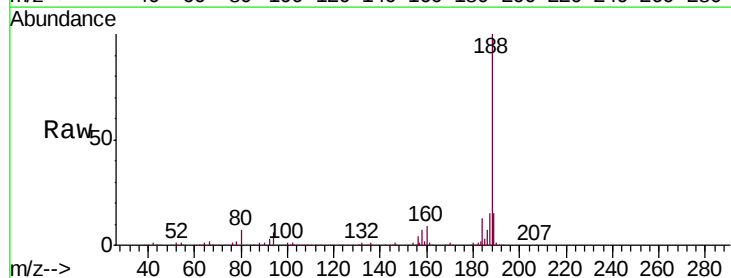
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-C-(0-3.4)

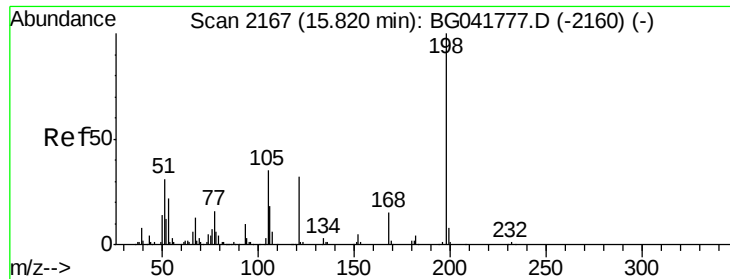
Tgt Ion:	165	Resp:	21205
Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	0.0	50.2	75.4#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.03 min
 Lab File: BG042276.D
 Acq: 17 Aug 2019 1:40

Tgt Ion:	188	Resp:	400751
Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	6.5	8.0	12.0#

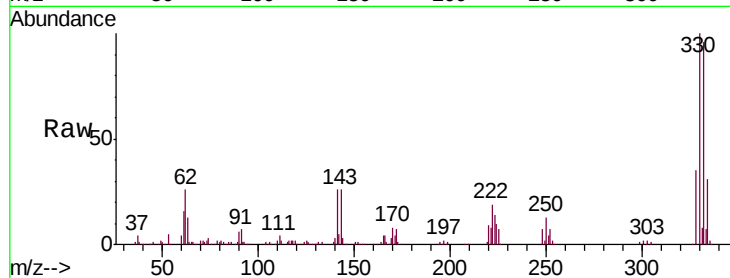




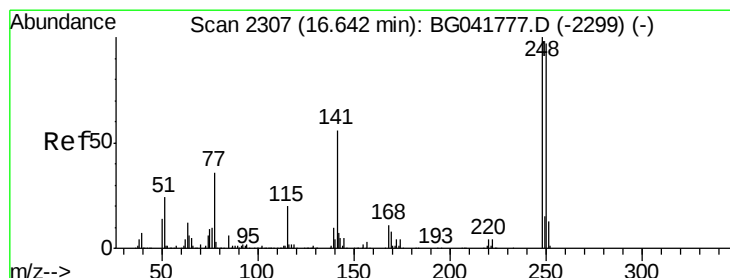
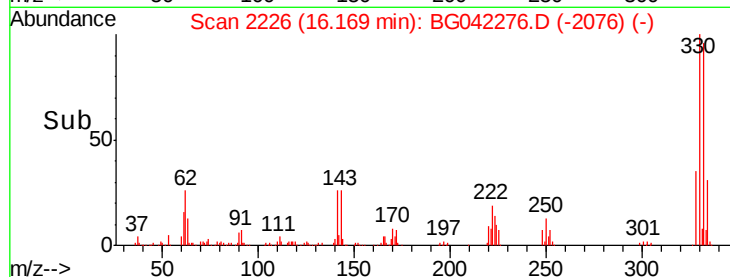
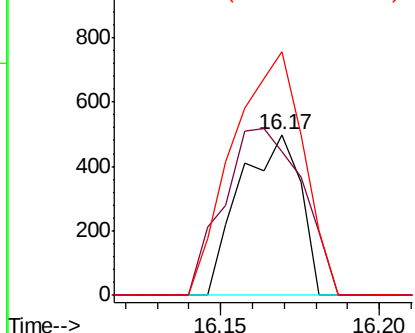
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.139 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. 0.35 min
 Lab File: BG042276.D
 Acq: 17 Aug 2019 1:40

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-C-(0-3.4)

Tgt Ion:198 Resp: 657
 Ion Ratio Lower Upper
 198 100
 51 89.8 22.3 62.3#
 105 151.8 18.0 58.0#

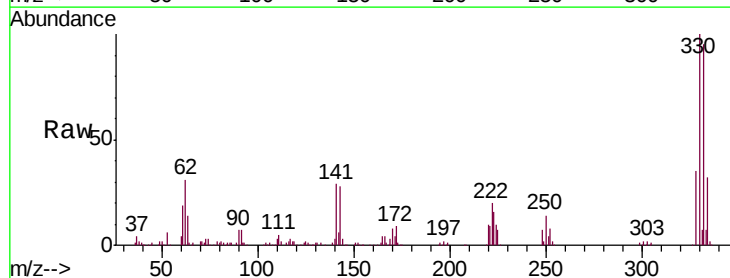


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

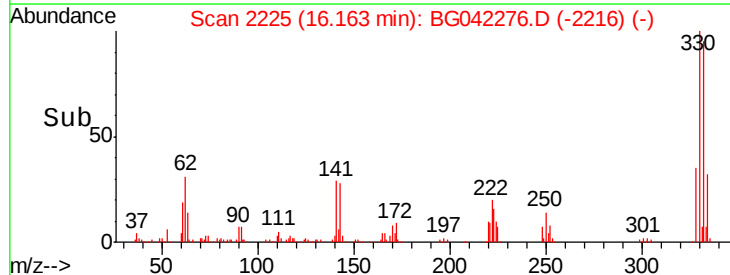
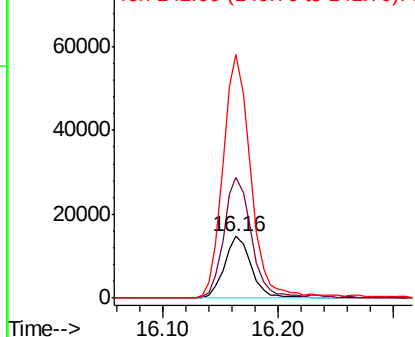


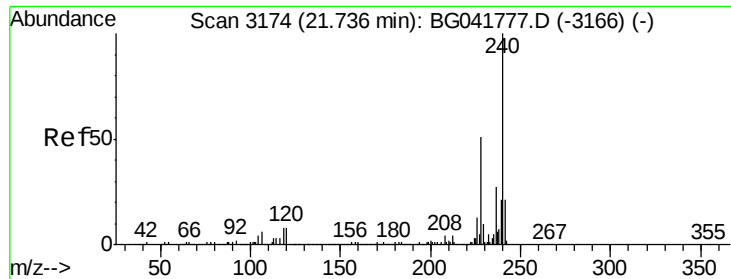
#67
 4-Bromophenyl-phenylether
 Concen: 4.876 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.48 min
 Lab File: BG042276.D
 Acq: 17 Aug 2019 1:40

Tgt Ion:248 Resp: 24071
 Ion Ratio Lower Upper
 248 100
 250 196.2 78.1 117.1#
 141 394.4 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

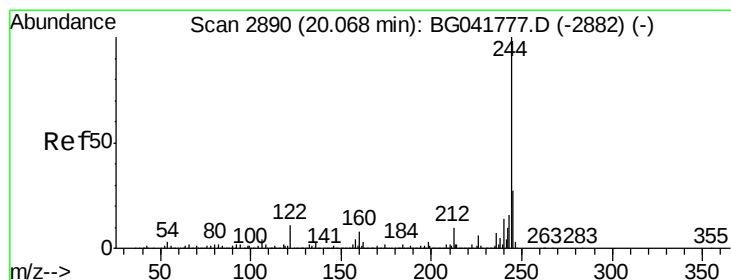
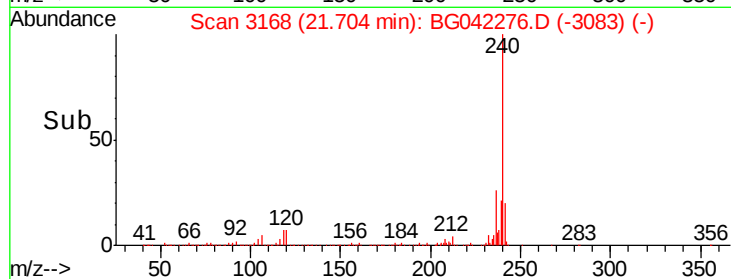
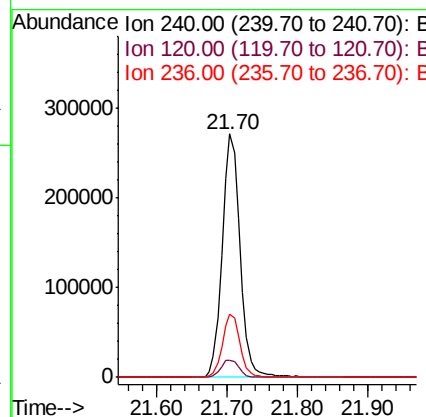
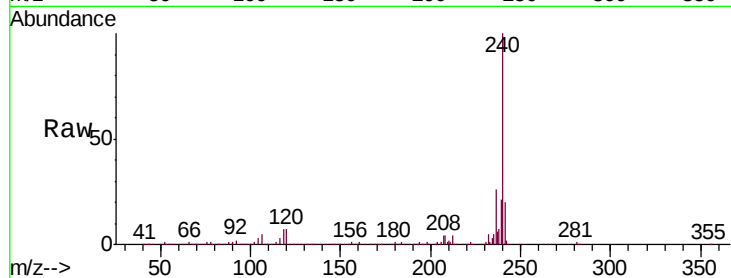




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.03 min
Lab File: BG042276.D
Acq: 17 Aug 2019 1:40

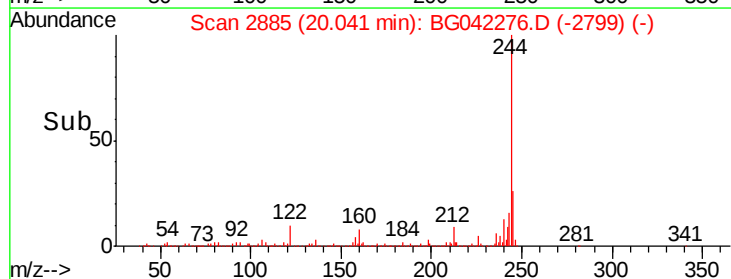
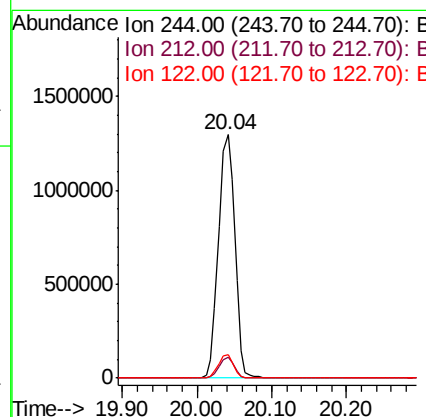
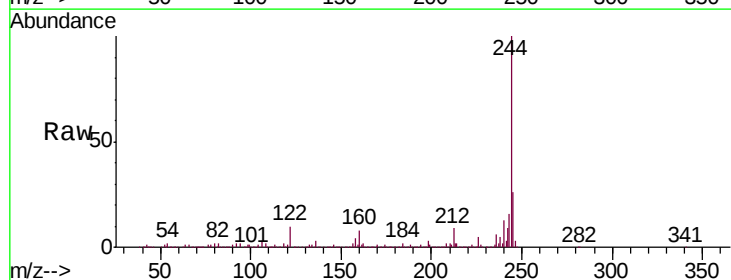
Instrument :
BNA_G
ClientSampleId :
REACTOR-4-C-(0-3.4)

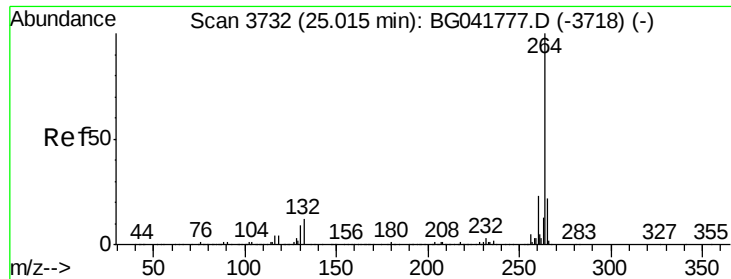
Tgt Ion:240 Resp: 477601
Ion Ratio Lower Upper
240 100
120 7.2 8.0 12.0#
236 26.1 22.6 33.8



#79
Terphenyl-d14
Concen: 95.120 ng
RT: 20.04 min Scan# 2885
Delta R.T. -0.03 min
Lab File: BG042276.D
Acq: 17 Aug 2019 1:40

Tgt Ion:244 Resp: 1985327
Ion Ratio Lower Upper
244 100
212 8.7 9.7 14.5#
122 9.7 12.5 18.7#





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.96 min Scan# 3722
Delta R.T. -0.06 min
Lab File: BG042276.D
Acq: 17 Aug 2019 1:40

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-C-(0-3.4)

Tgt Ion:	264	Resp:	549764
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.8	18.0	27.0

