

Data File : BG042274.D
Acq On : 17 Aug 2019 00:22
Operator : HP/JU
Sample : K4265-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Quant Time: Aug 17 05:38:06 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	54321	20.00	ng	-0.03
21) Naphthalene-d8	10.83	136	204792	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	154234	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	388933	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	455502	20.00	ng	-0.03
87) Perylene-d12	24.96	264	528801	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	360257	129.03	ng	-0.02
7) Phenol-d6	7.17	99	443771	117.90	ng	-0.02
23) Nitrobenzene-d5	9.18	82	304966	102.48	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	351359	200.56	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	941440	107.66	ng	-0.04
79) Terphenyl-d14	20.04	244	1949359	97.93	ng	-0.03

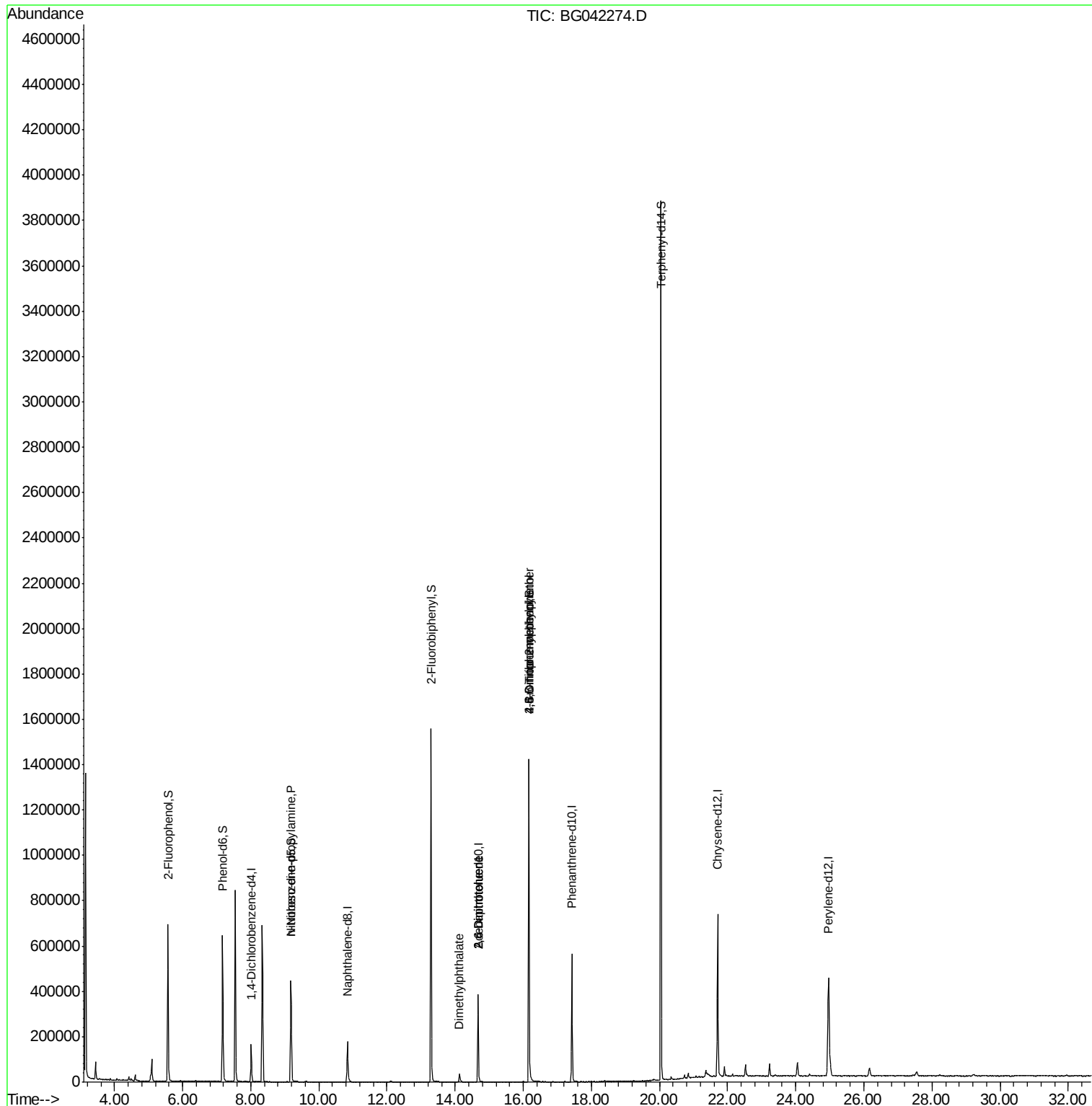
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.18	70	38224	13.988	ng	# 64
50) Dimethylphthalate	14.13	163	40447	3.840	ng	# 96
51) 2,6-Dinitrotoluene	14.67	165	19983	9.073	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	19983	6.597	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.16	198	838	7.230	ng	# 19
67) 4-Bromophenyl-phenylether	16.16	248	24303	5.073	ng	# 1

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

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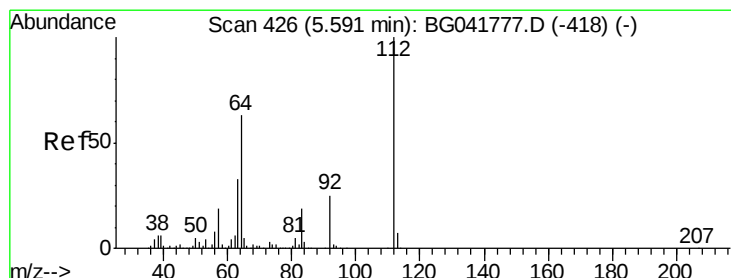
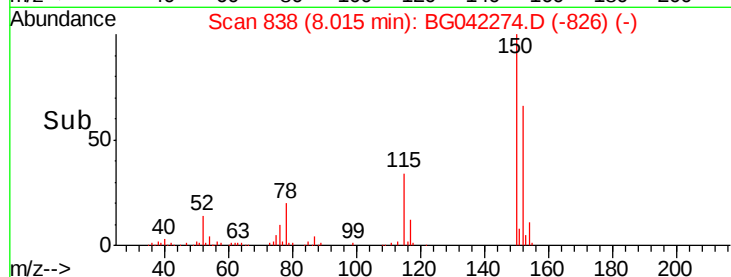
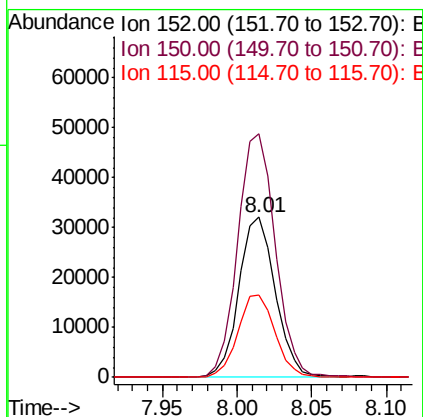
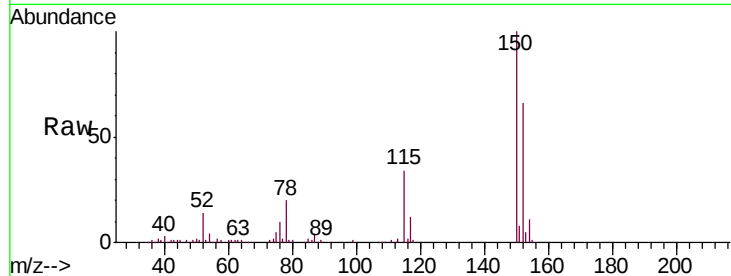


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.03 min
Lab File: BG042274.D
Acq: 17 Aug 2019 00:22

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

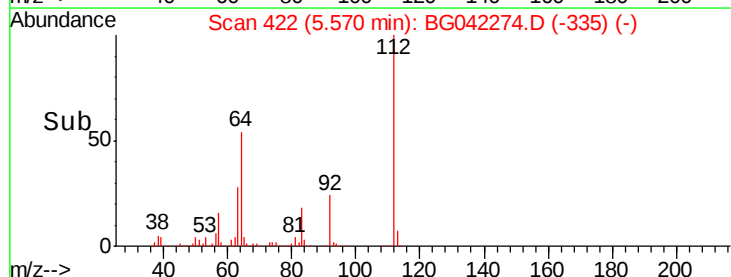
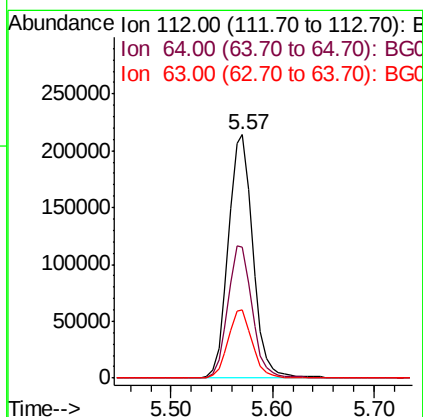
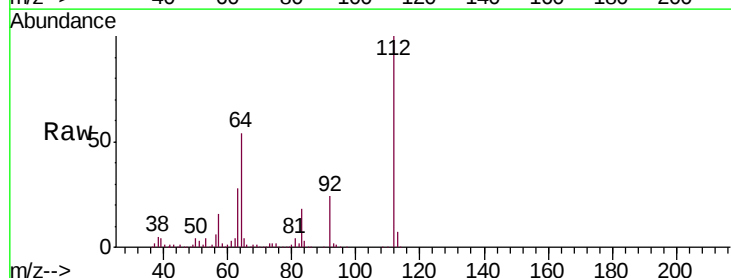
Tgt Ion:152 Resp: 54321
Ion Ratio Lower Upper
152 100
150 152.0 126.9 190.3
115 51.7 45.0 67.6



#5

2-Fluorophenol
Concen: 129.034 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.02 min
Lab File: BG042274.D
Acq: 17 Aug 2019 00:22

Tgt Ion:112 Resp: 360257
Ion Ratio Lower Upper
112 100
64 53.6 55.4 83.2#
63 27.8 29.1 43.7#





#7

Phenol-d6

Concen: 117.898 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042274.D

Acq: 17 Aug 2019 00:22

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(0-1)

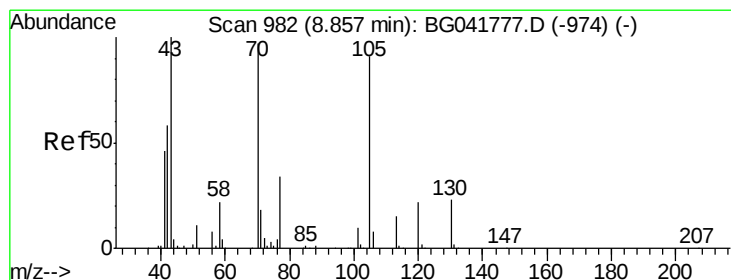
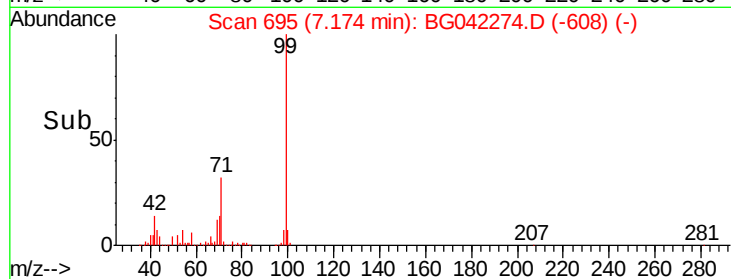
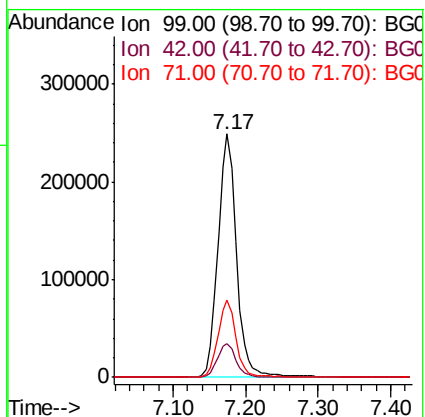
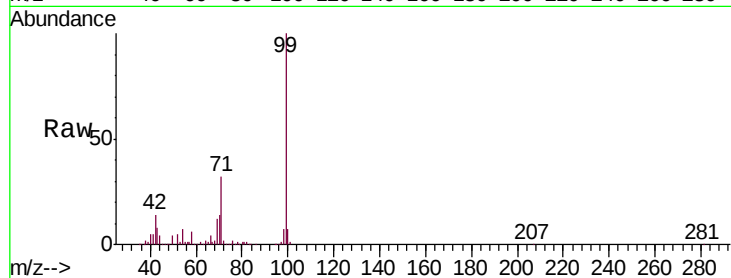
Tgt Ion: 99 Resp: 443771

Ion Ratio Lower Upper

99 100

42 14.1 17.6 26.4#

71 31.6 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.988 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.32 min

Lab File: BG042274.D

Acq: 17 Aug 2019 00:22

Tgt Ion: 70 Resp: 38224

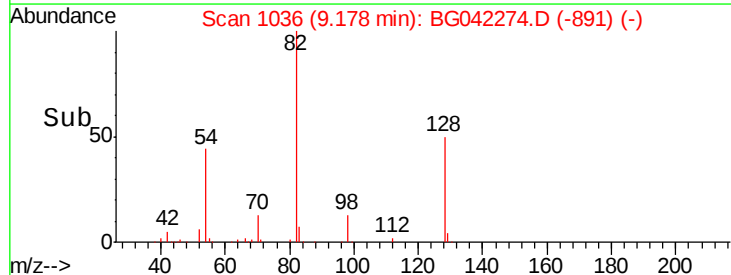
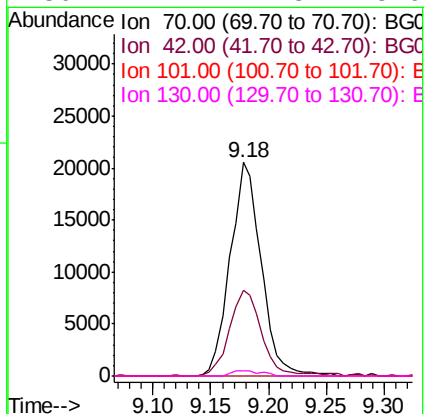
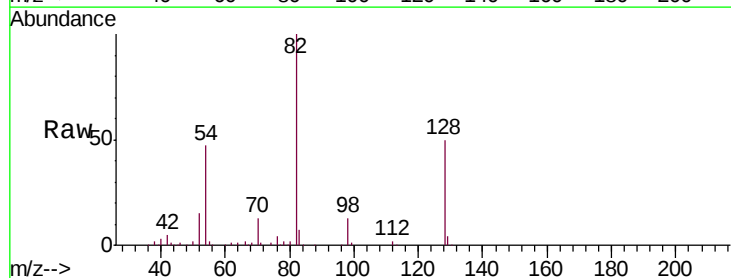
Ion Ratio Lower Upper

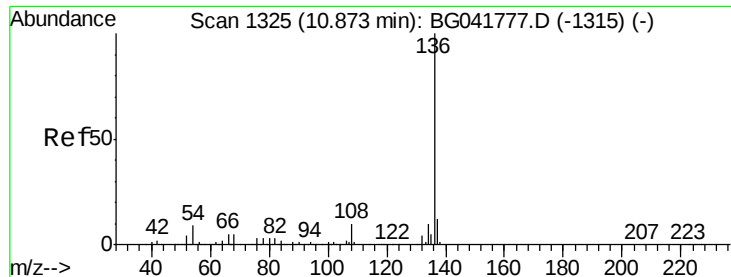
70 100

42 40.3 55.8 83.6#

101 0.0 8.1 12.1#

130 2.2 17.3 25.9#

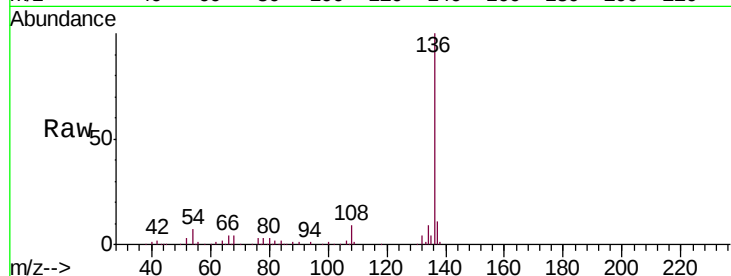




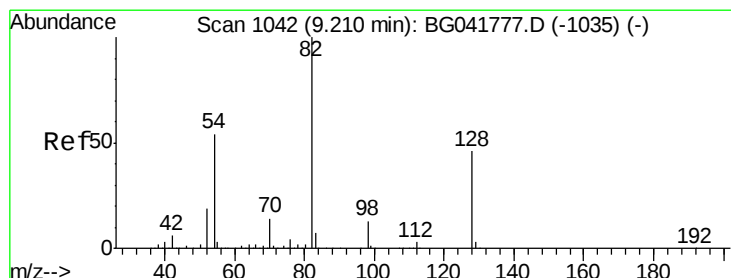
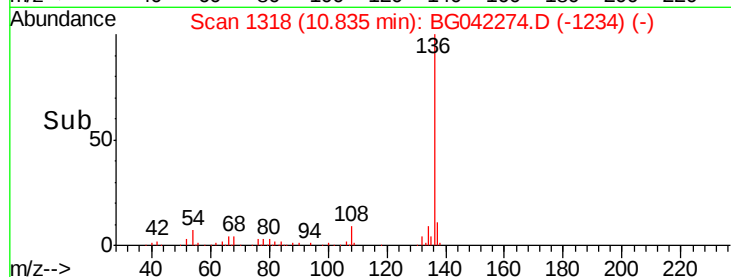
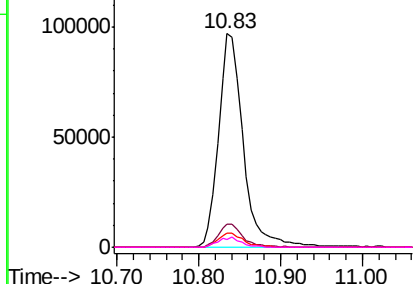
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042274.D
Acq: 17 Aug 2019 00:22

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:	136	Resp:	204792
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.7	8.7	13.1#
68	3.9	5.5	8.3#

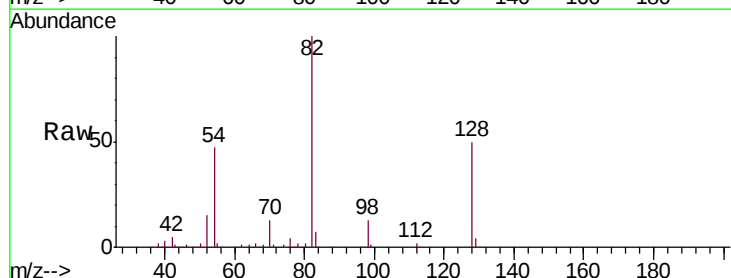


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

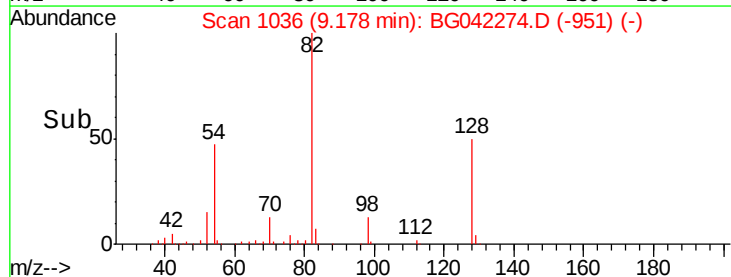
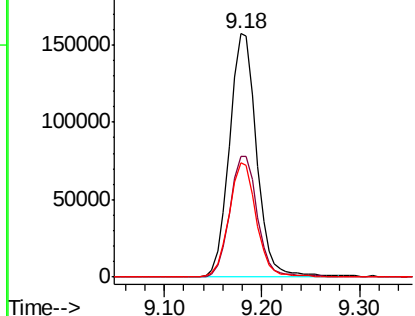


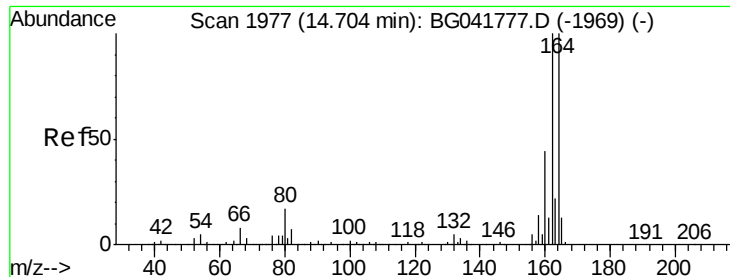
#23
Nitrobenzene-d5
Concen: 102.478 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BG042274.D
Acq: 17 Aug 2019 00:22

Tgt Ion:	82	Resp:	304966
Ion	Ratio	Lower	Upper
82	100		
128	49.7	35.1	52.7
54	46.9	48.7	73.1#



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000
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# 1971

Delta R.T. -0.03 min

Lab File: BG042274.D

Acq: 17 Aug 2019 00:22

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(0-1)

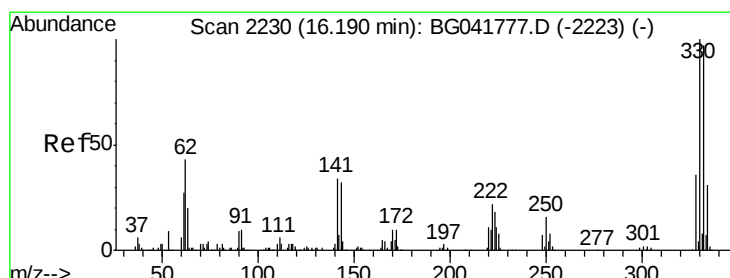
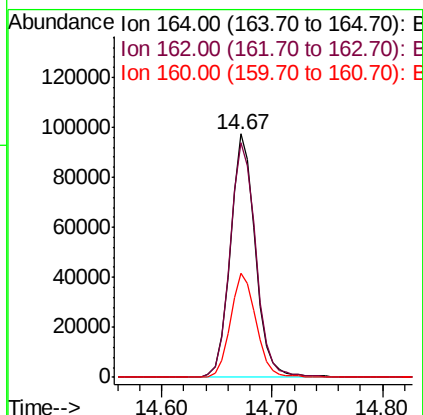
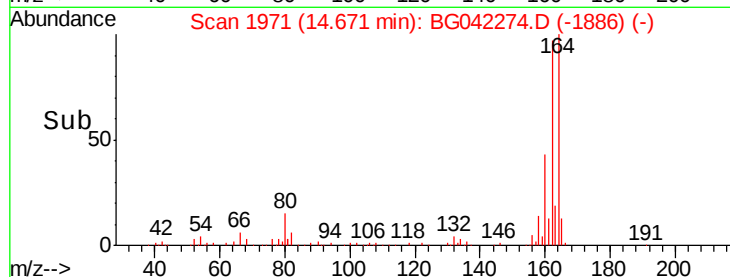
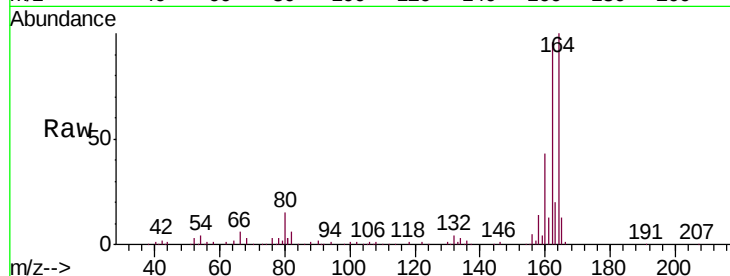
Tgt Ion:164 Resp: 154234

Ion Ratio Lower Upper

164 100

162 96.3 79.6 119.4

160 43.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 200.560 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.03 min

Lab File: BG042274.D

Acq: 17 Aug 2019 00:22

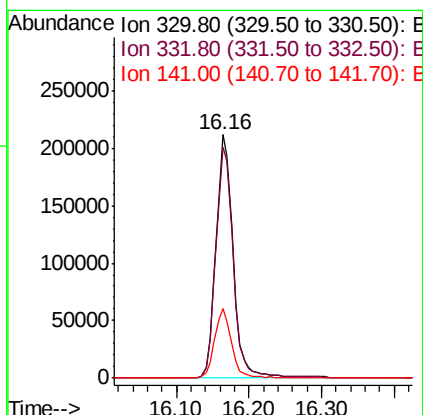
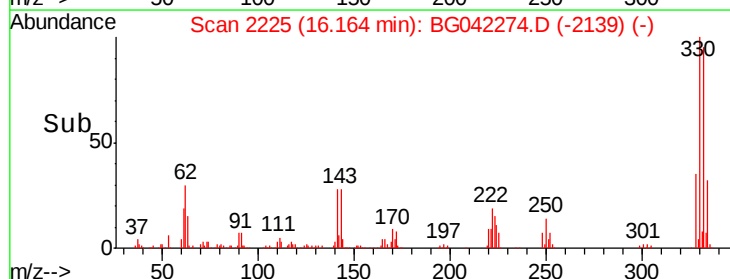
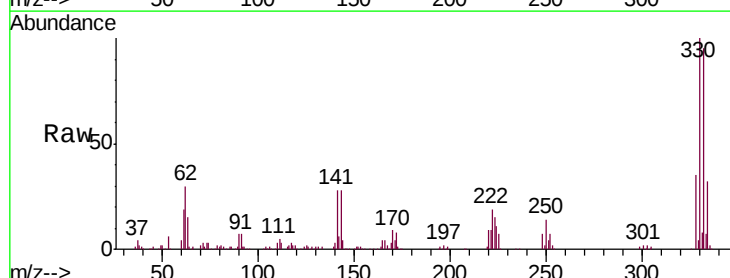
Tgt Ion:330 Resp: 351359

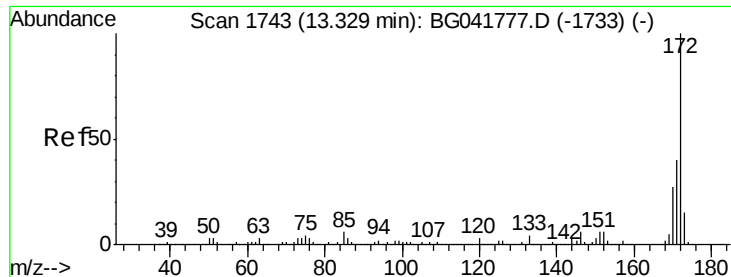
Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

141 27.8 31.9 47.9#

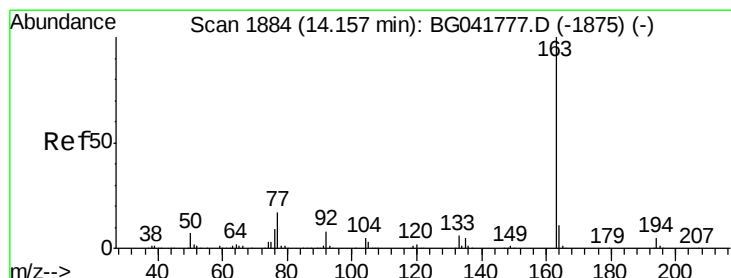
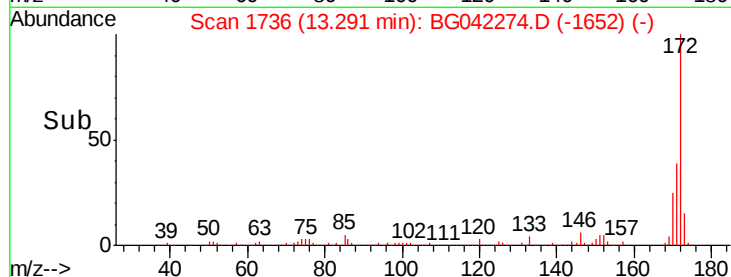
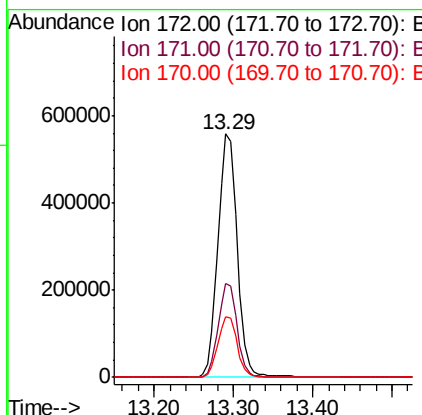
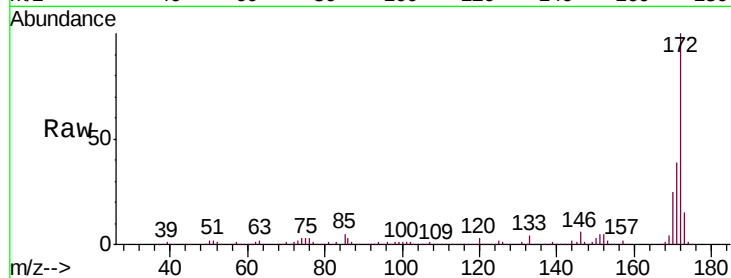




#45
 2-Fluorobiphenyl
 Concen: 107.657 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042274.D
 Acq: 17 Aug 2019 00:22

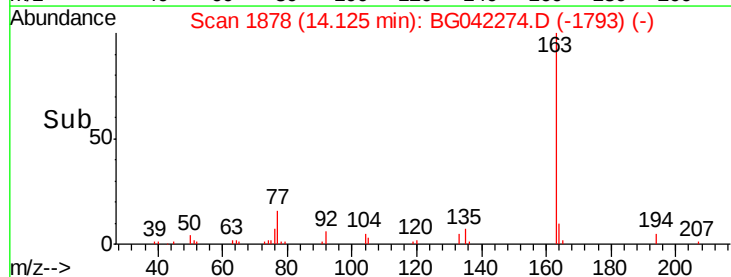
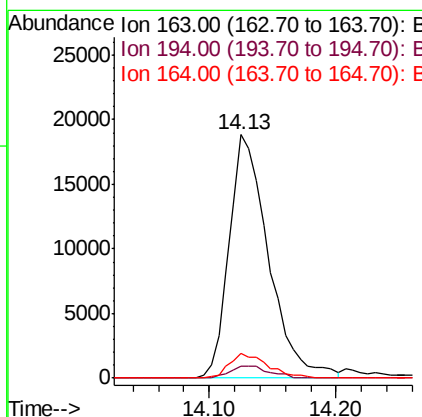
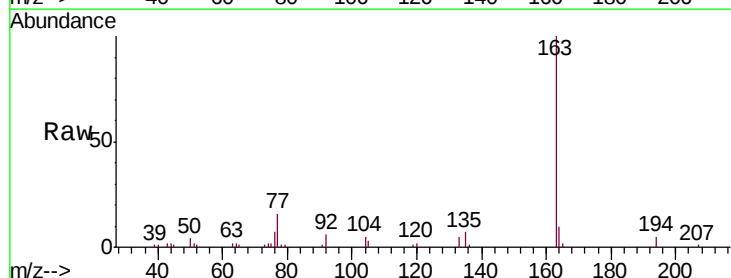
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-A1-A4-(0-1)

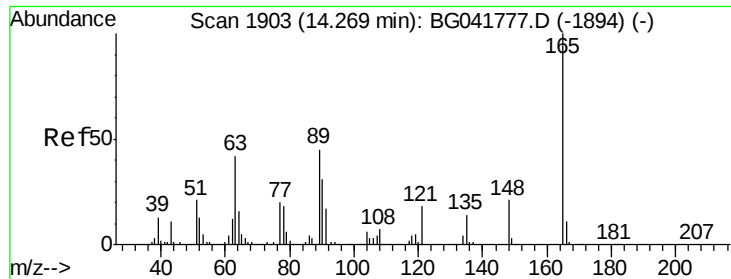
Tgt Ion:172 Resp: 941440
 Ion Ratio Lower Upper
 172 100
 171 38.5 35.0 52.4
 170 24.9 23.5 35.3



#50
 Dimethylphthalate
 Concen: 3.840 ng
 RT: 14.13 min Scan# 1878
 Delta R.T. -0.03 min
 Lab File: BG042274.D
 Acq: 17 Aug 2019 00:22

Tgt Ion:163 Resp: 40447
 Ion Ratio Lower Upper
 163 100
 194 4.7 4.2 6.2
 164 10.0 9.4 14.2

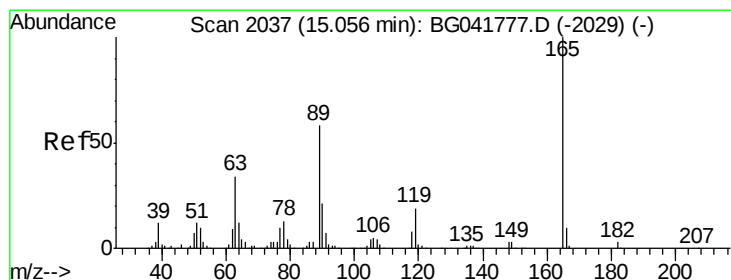
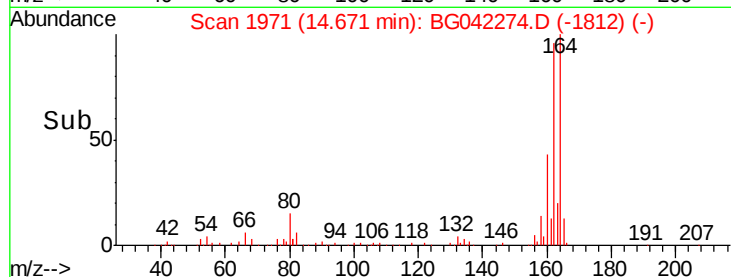
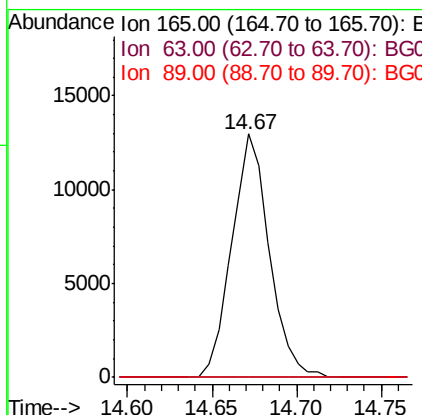
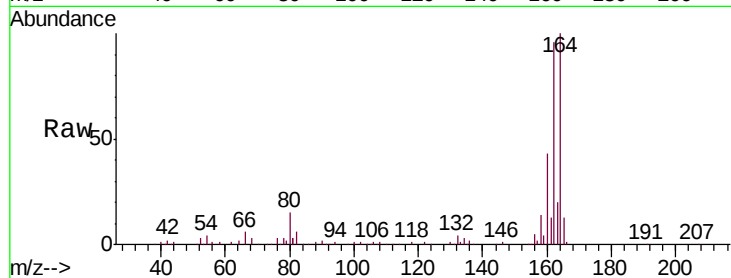




#51
 2,6-Dinitrotoluene
 Concen: 9.073 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG042274.D
 Acq: 17 Aug 2019 00:22

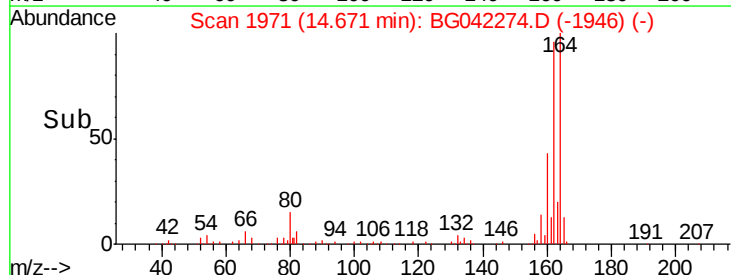
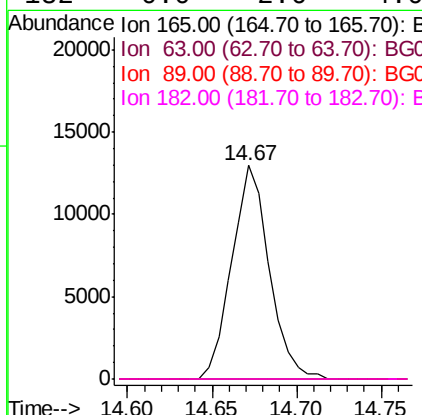
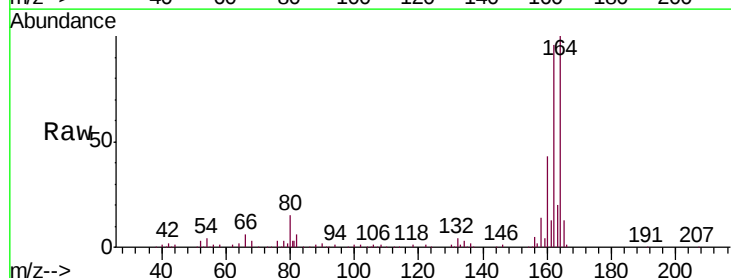
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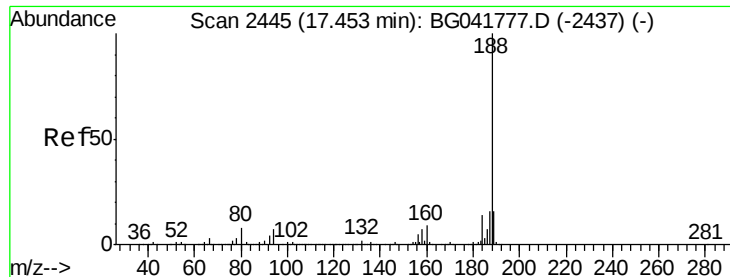
Tgt Ion:165 Resp: 19983
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 0.0 42.1 63.1#



#57
 2,4-Dinitrotoluene
 Concen: 6.597 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.38 min
 Lab File: BG042274.D
 Acq: 17 Aug 2019 00:22

Tgt Ion:165 Resp: 19983
 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: BG042274.D

Acq: 17 Aug 2019 00:22

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(0-1)

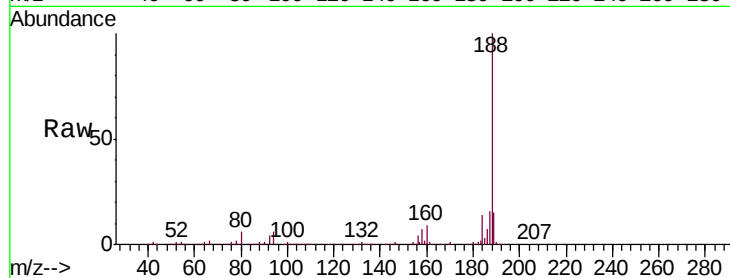
Tgt Ion:188 Resp: 388933

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

80 6.5 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

17.43

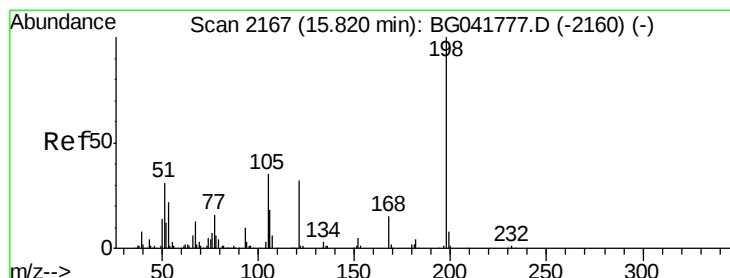
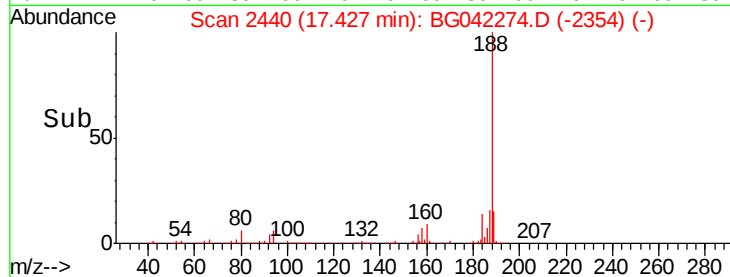
300000

200000

100000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 7.230 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.34 min

Lab File: BG042274.D

Acq: 17 Aug 2019 00:22

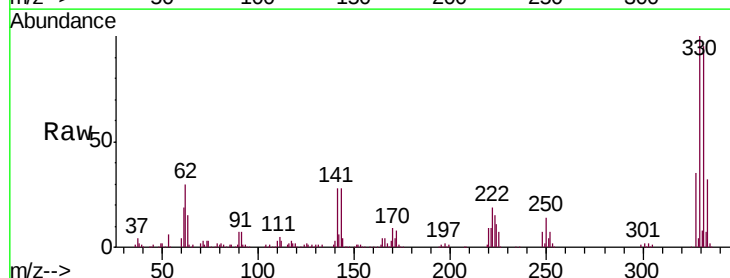
Tgt Ion:198 Resp: 838

Ion Ratio Lower Upper

198 100

51 64.2 22.3 62.3#

105 118.4 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

1000

800

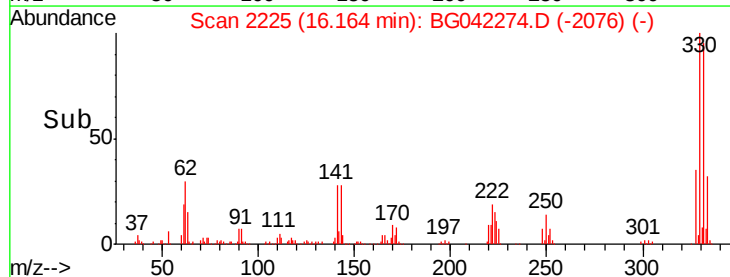
600

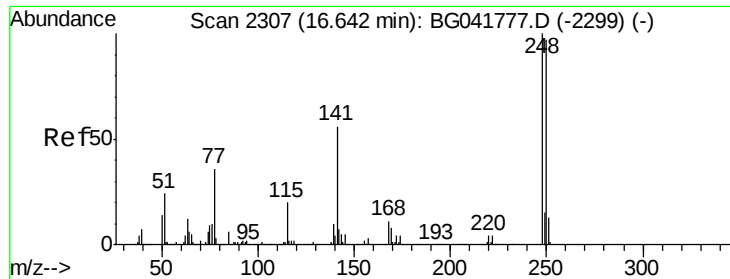
400

200

0

Time-->

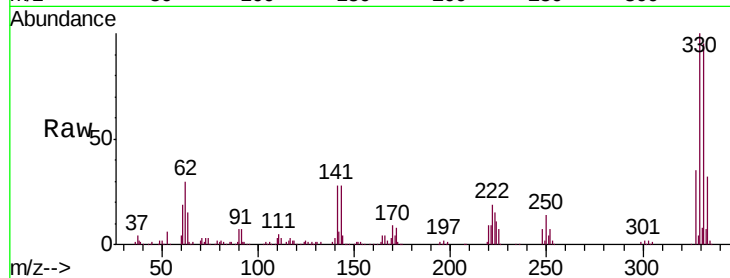




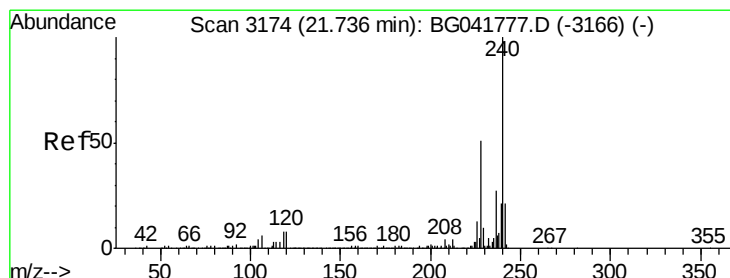
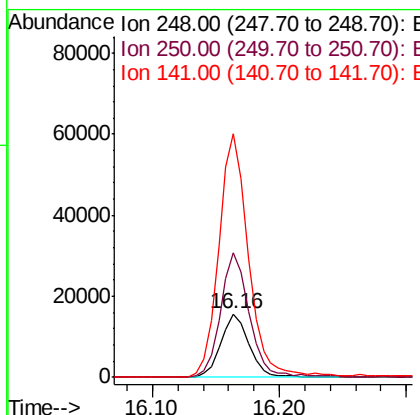
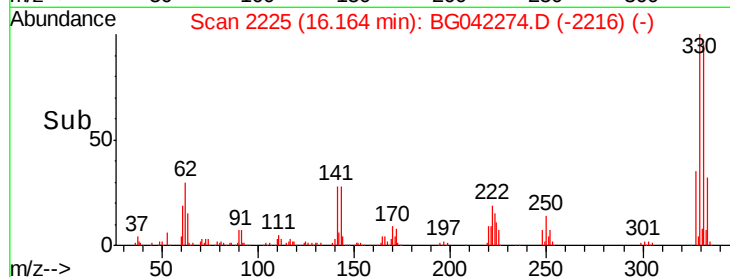
#67
 4-Bromophenyl-phenylether
 Concen: 5.073 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.48 min
 Lab File: BG042274.D
 Acq: 17 Aug 2019 00:22

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-A1-A4-(0-1)

Tgt Ion:248 Resp: 24303
 Ion Ratio Lower Upper
 248 100
 250 195.6 78.1 117.1#
 141 384.2 49.6 74.4#

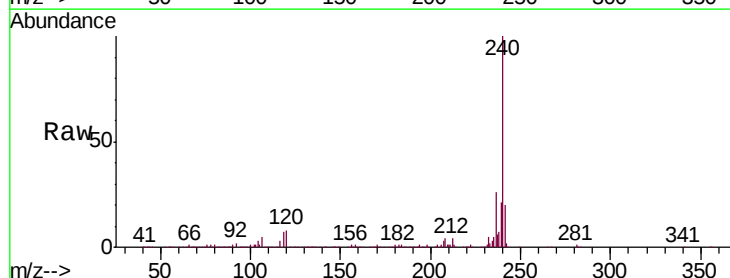


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

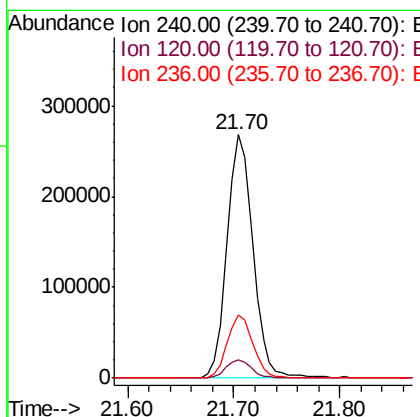
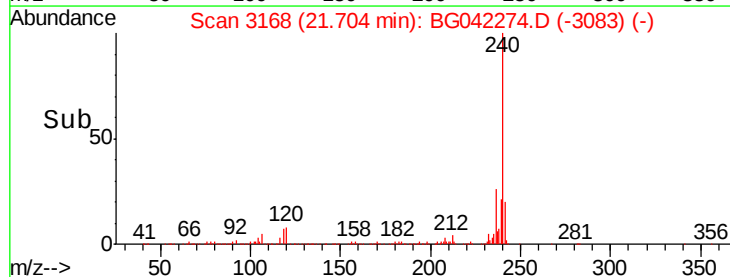


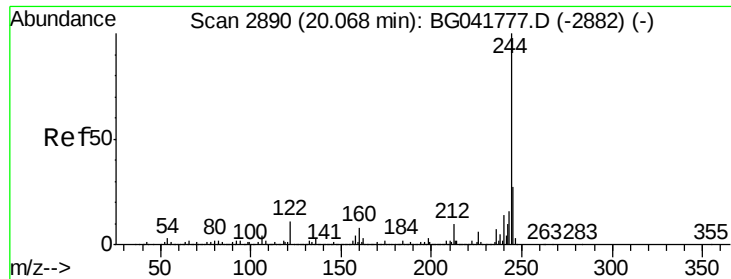
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.03 min
 Lab File: BG042274.D
 Acq: 17 Aug 2019 00:22

Tgt Ion:240 Resp: 455502
 Ion Ratio Lower Upper
 240 100
 120 7.5 8.0 12.0#
 236 26.0 22.6 33.8



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





#79

Terphenyl-d14

Concen: 97.928 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.03 min

Lab File: BG042274.D

Acq: 17 Aug 2019 00:22

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(0-1)

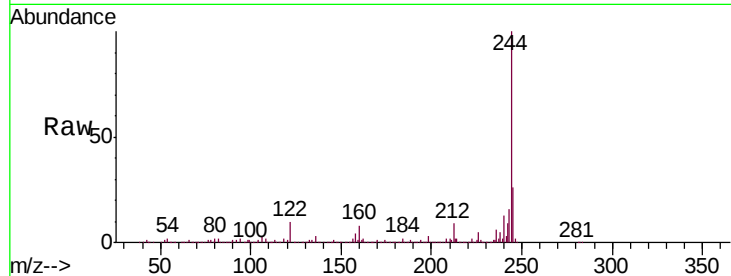
Tgt Ion:244 Resp: 1949359

Ion Ratio Lower Upper

244 100

212 8.9 9.7 14.5#

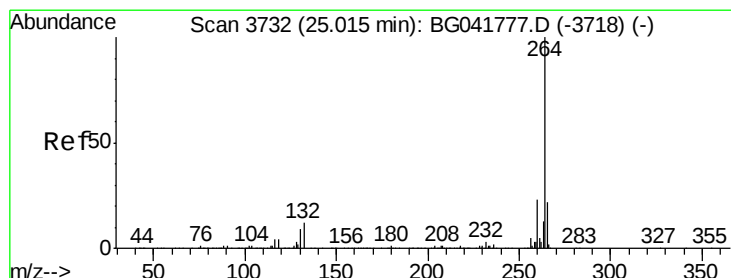
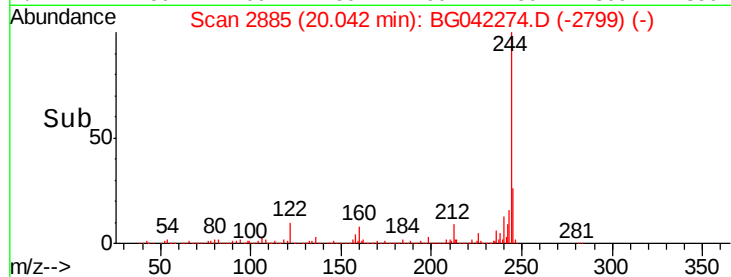
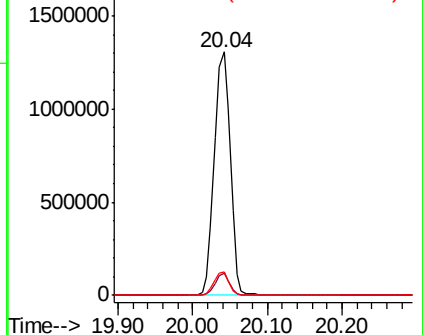
122 9.6 12.5 18.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3722

Delta R.T. -0.06 min

Lab File: BG042274.D

Acq: 17 Aug 2019 00:22

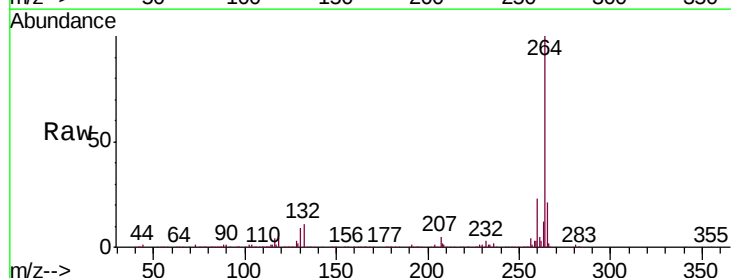
Tgt Ion:264 Resp: 528801

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 20.9 18.0 27.0



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

