

Data File : BG042278.D
Acq On : 17 Aug 2019 2:57
Operator : HP/JU
Sample : K4231-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-F-(0-3)

Quant Time: Aug 17 05:38:54 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	51179	20.00	ng	-0.03
21) Naphthalene-d8	10.83	136	192477	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	142456	20.00	ng	-0.03
64) Phenanthrene-d10	17.43	188	352030	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	406823	20.00	ng	-0.03
87) Perylene-d12	24.96	264	460887	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	337369	128.25	ng	-0.02
7) Phenol-d6	7.17	99	414818	116.97	ng	-0.02
23) Nitrobenzene-d5	9.18	82	282973	101.17	ng	-0.03
42) 2,4,6-Tribromophenol	16.16	330	298947	184.75	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	893845	110.67	ng	-0.04
79) Terphenyl-d14	20.04	244	1806507	101.61	ng	-0.03

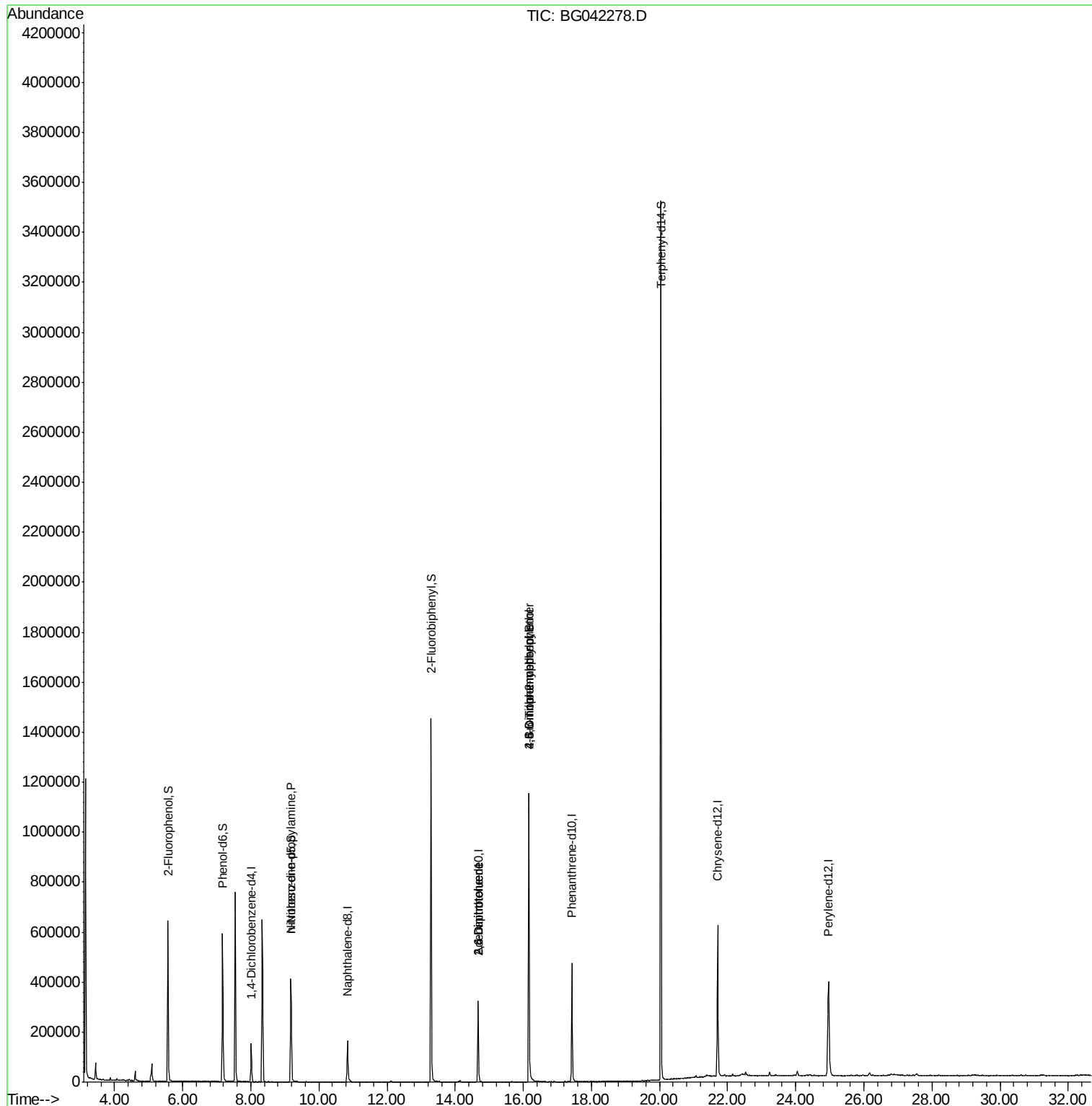
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.18	70	35489	13.784	ng	# 64
51) 2,6-Dinitrotoluene	14.67	165	17876	8.787	ng	# 25
57) 2,4-Dinitrotoluene	14.67	165	17877	6.390	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.16	198	420	7.061	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	21213	4.892	ng	# 1

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

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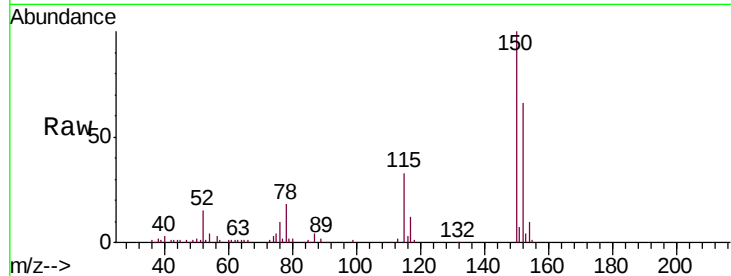


#1

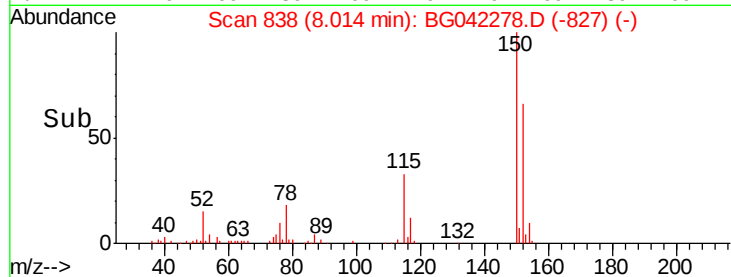
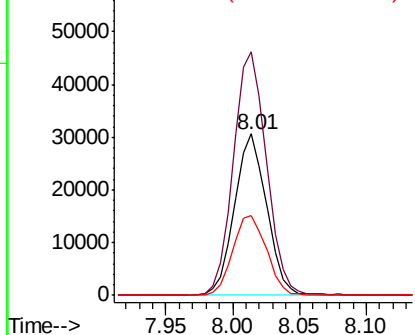
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.03 min
Lab File: BG042278.D
Acq: 17 Aug 2019 2:57

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-F-(0-3)

Tgt Ion:152 Resp: 51179
Ion Ratio Lower Upper
152 100
150 150.9 126.9 190.3
115 49.4 45.0 67.6



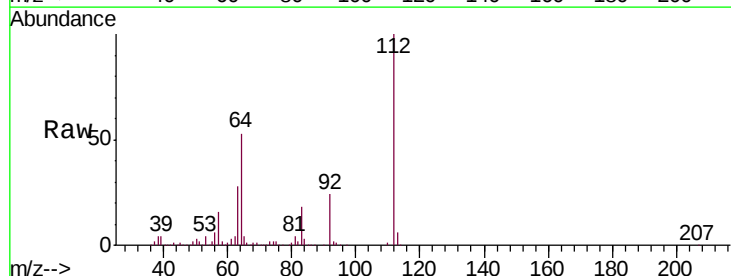
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



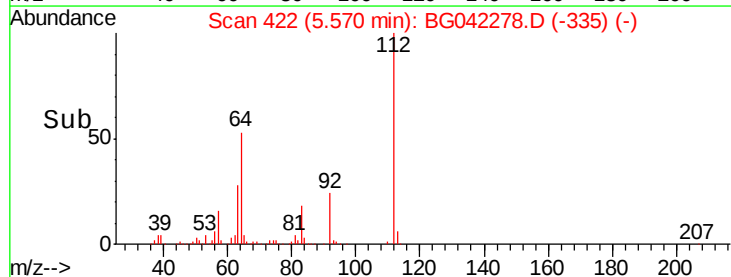
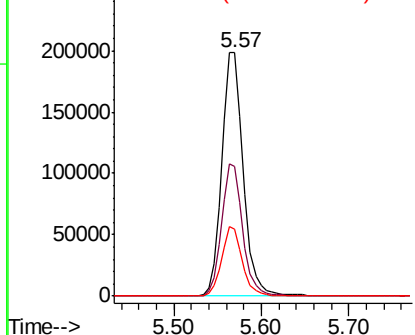
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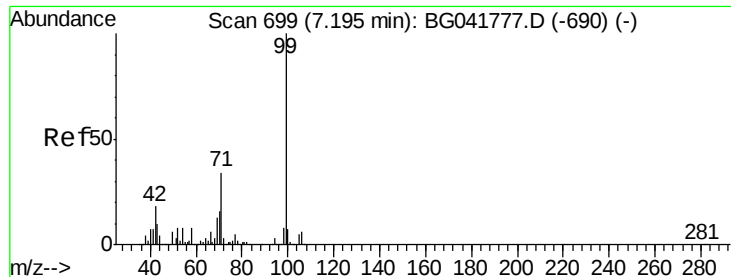
2-Fluorophenol
Concen: 128.254 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.02 min
Lab File: BG042278.D
Acq: 17 Aug 2019 2:57

Tgt Ion:112 Resp: 337369
Ion Ratio Lower Upper
112 100
64 53.3 55.4 83.2#
63 27.5 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: 116.972 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042278.D

Acq: 17 Aug 2019 2:57

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-F-(0-3)

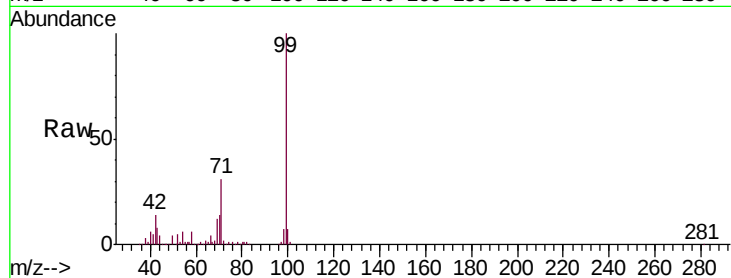
Tgt Ion: 99 Resp: 414818

Ion Ratio Lower Upper

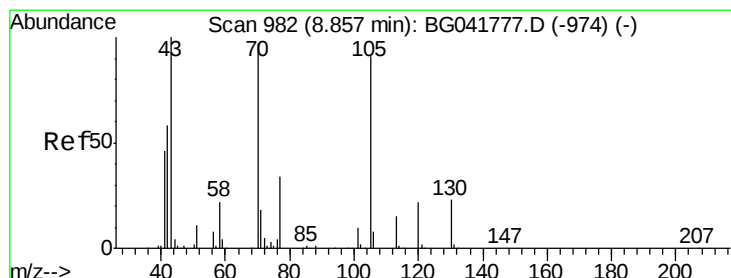
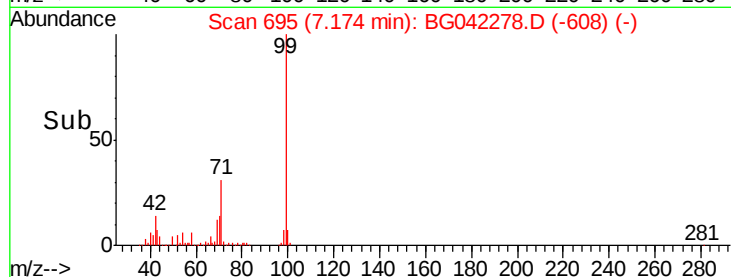
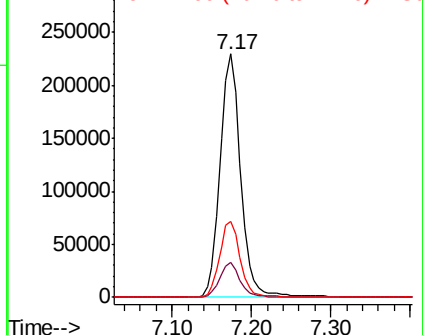
99 100

42 14.2 17.6 26.4#

71 31.4 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: 13.784 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.33 min

Lab File: BG042278.D

Acq: 17 Aug 2019 2:57

Tgt Ion: 70 Resp: 35489

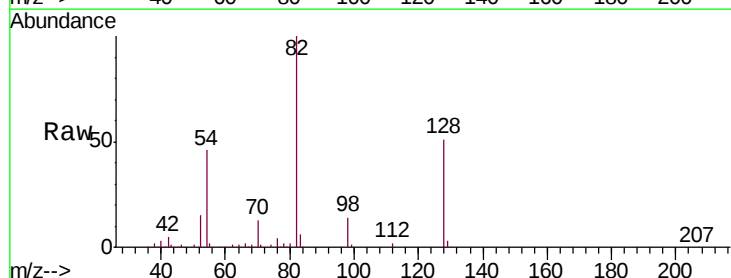
Ion Ratio Lower Upper

70 100

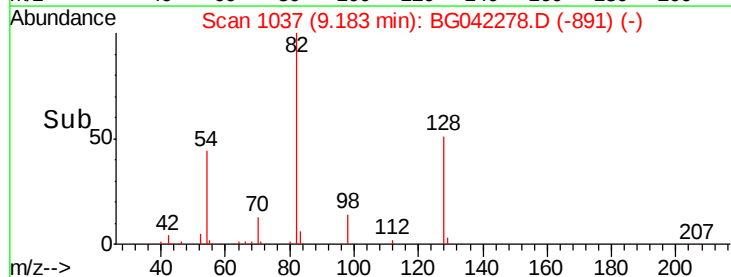
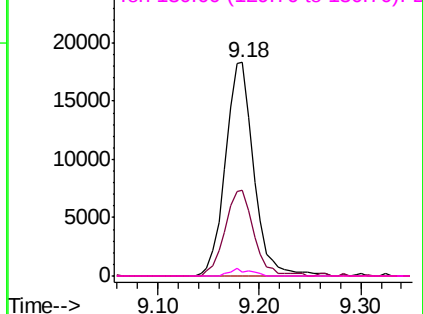
42 40.2 55.8 83.6#

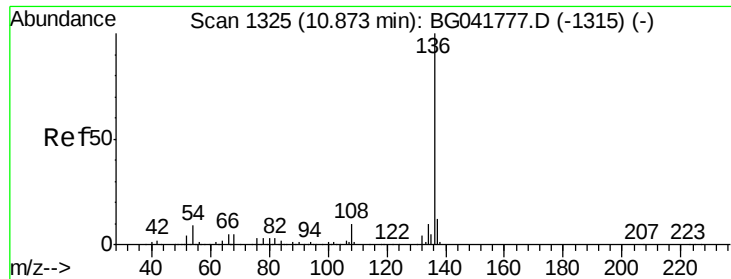
101 0.0 8.1 12.1#

130 1.9 17.3 25.9#



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

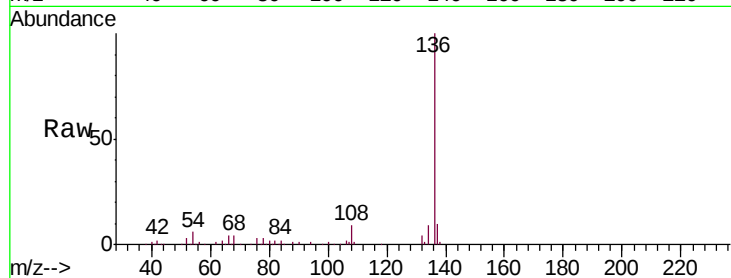




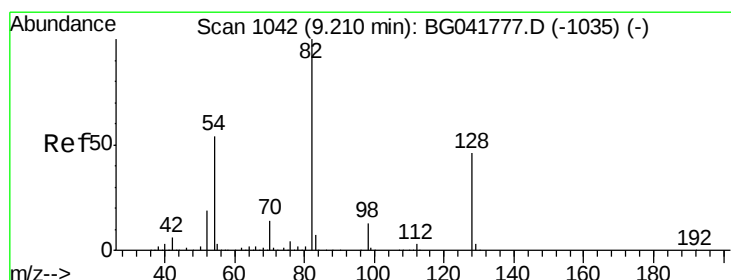
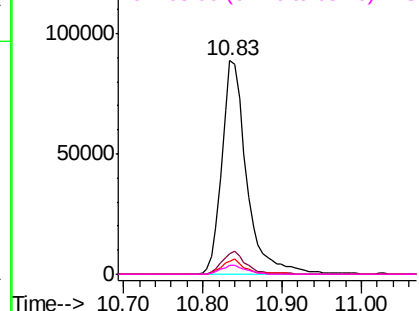
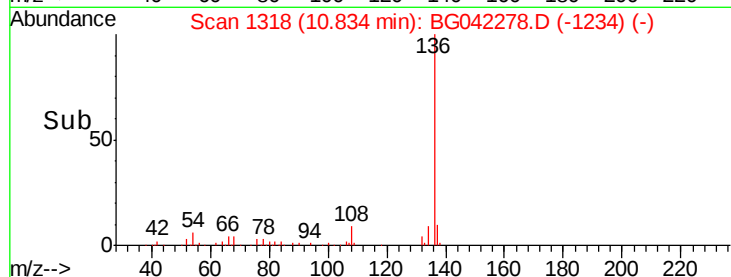
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042278.D
Acq: 17 Aug 2019 2:57

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-F-(0-3)

Tgt Ion:	136	Resp:	192477
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.2	13.8
54	6.2	8.7	13.1#
68	4.1	5.5	8.3#

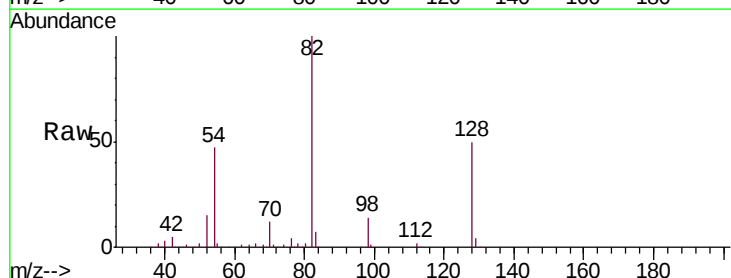


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

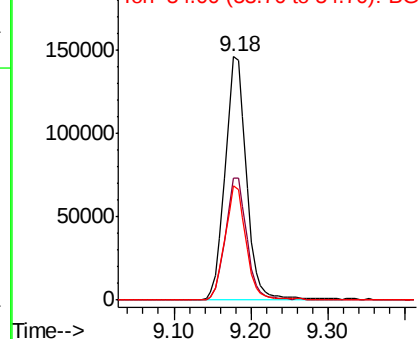
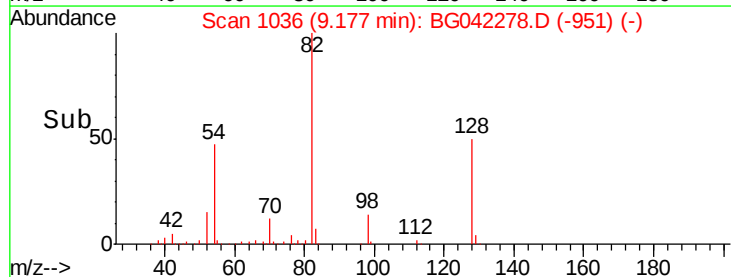


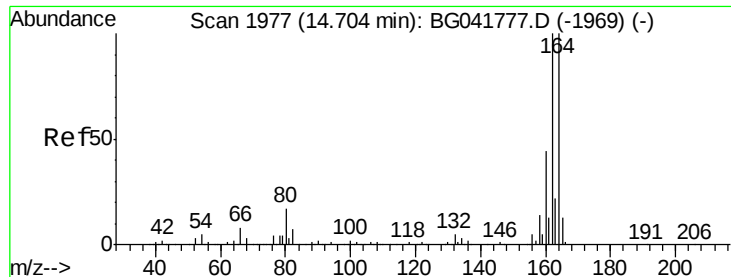
#23
Nitrobenzene-d5
Concen: 101.171 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BG042278.D
Acq: 17 Aug 2019 2:57

Tgt Ion:	82	Resp:	282973
Ion	Ratio	Lower	Upper
82	100		
128	50.1	35.1	52.7
54	46.8	48.7	73.1#



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

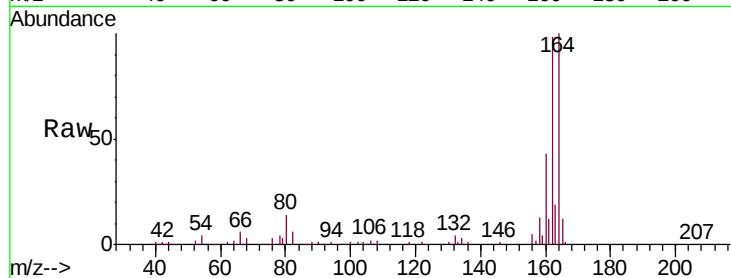




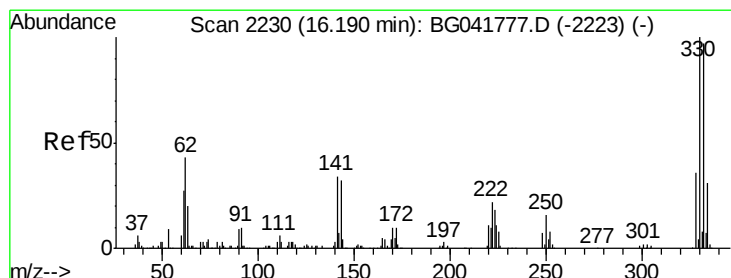
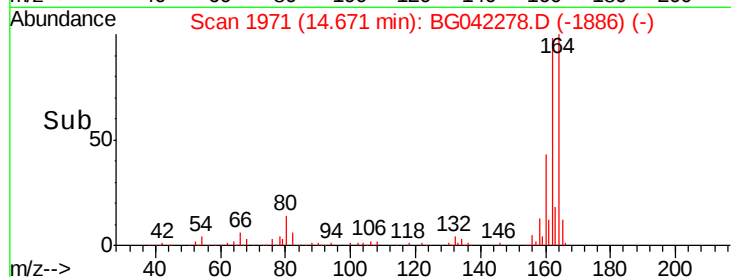
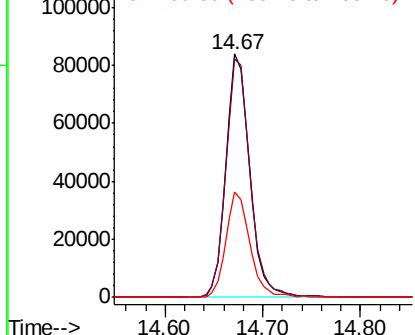
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.03 min
 Lab File: BG042278.D
 Acq: 17 Aug 2019 2:57

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-F(0-3)

Tgt Ion:164 Resp: 142456
 Ion Ratio Lower Upper
 164 100
 162 97.9 79.6 119.4
 160 43.5 35.4 53.0

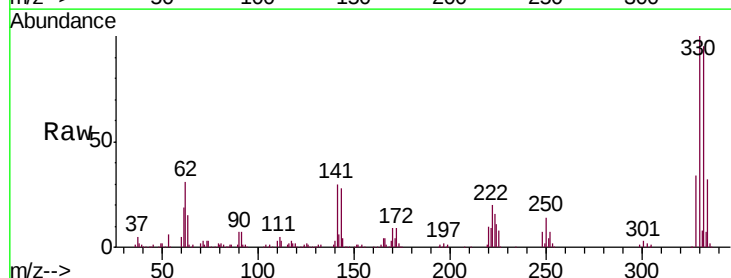


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

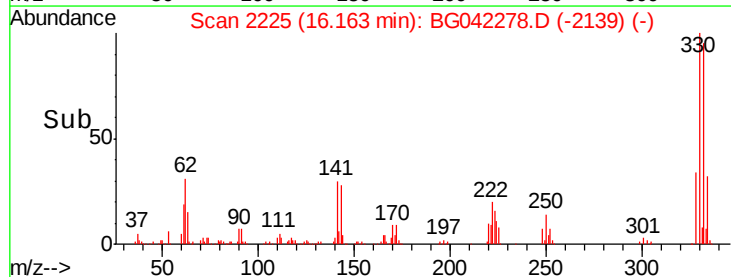
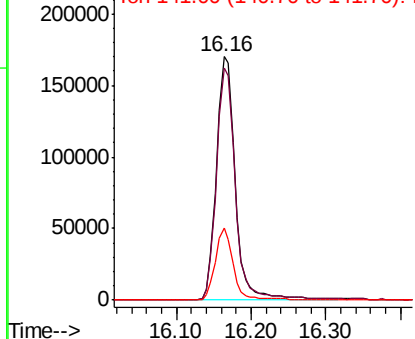


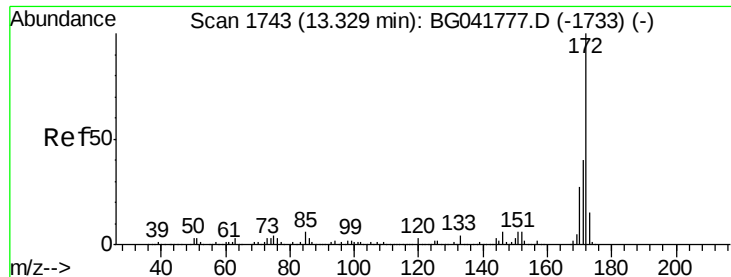
#42
 2,4,6-Tribromophenol
 Concen: 184.751 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: BG042278.D
 Acq: 17 Aug 2019 2:57

Tgt Ion:330 Resp: 298947
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.0
 141 28.3 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

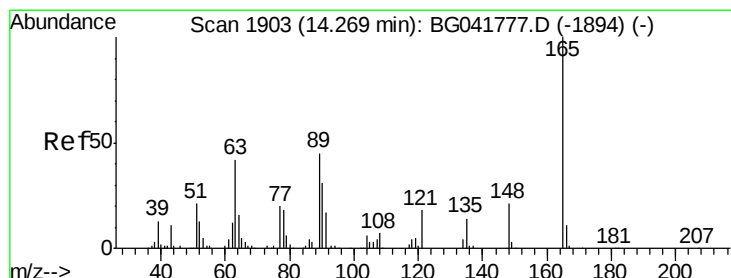
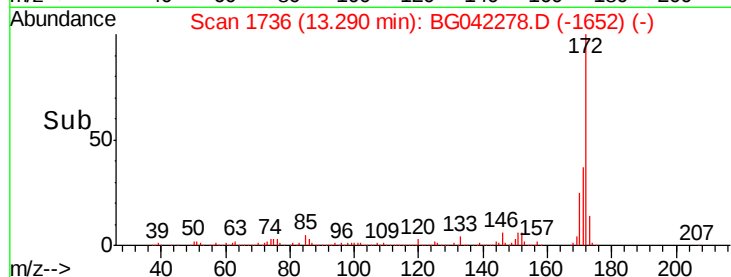
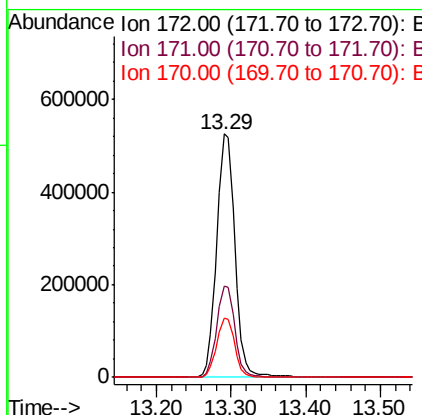
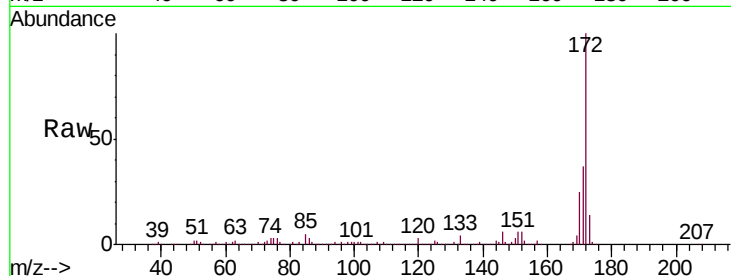




#45
 2-Fluorobiphenyl
 Concen: 110.665 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.04 min
 Lab File: BG042278.D
 Acq: 17 Aug 2019 2:57

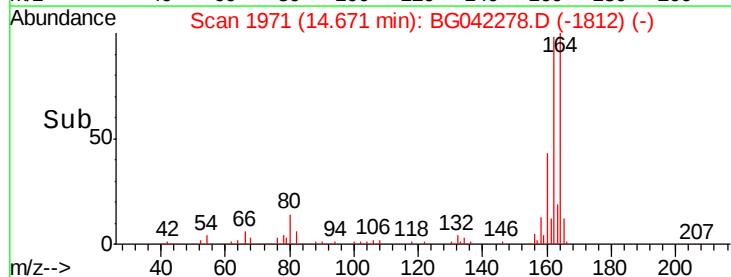
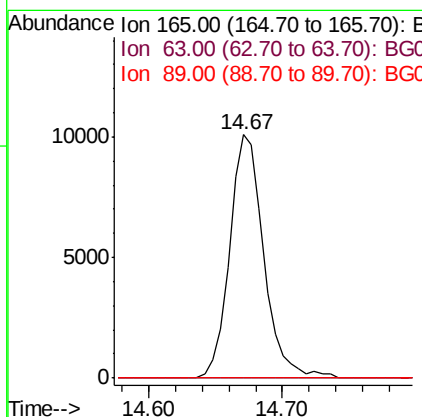
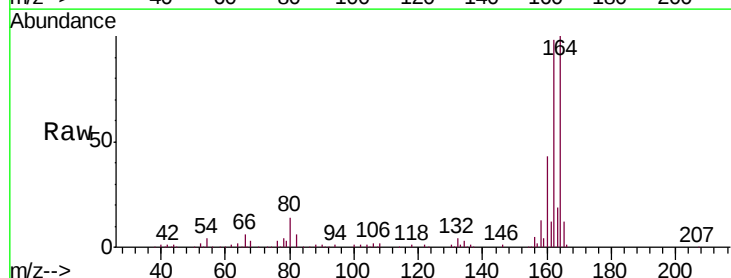
Instrument :
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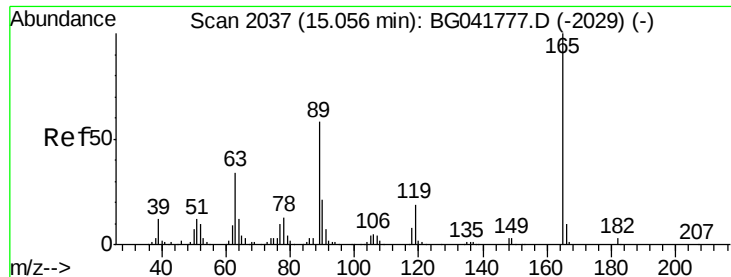
Tgt Ion:172 Resp: 893845
 Ion Ratio Lower Upper
 172 100
 171 37.2 35.0 52.4
 170 24.6 23.5 35.3



#51
 2,6-Dinitrotoluene
 Concen: 8.787 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG042278.D
 Acq: 17 Aug 2019 2:57

Tgt Ion:165 Resp: 17876
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.4 63.6#
 89 0.0 42.1 63.1#

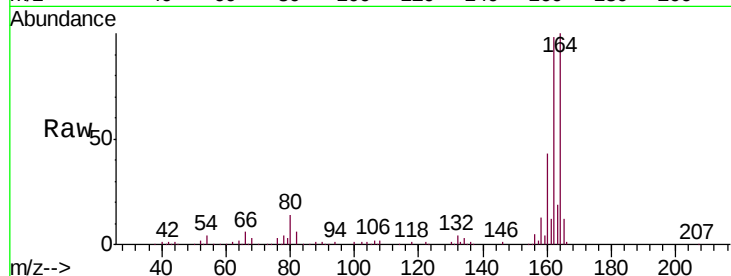




#57
 2,4-Dinitrotoluene
 Concen: 6.390 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042278.D
 Acq: 17 Aug 2019 2:57

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-F-(0-3)

Tgt 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#



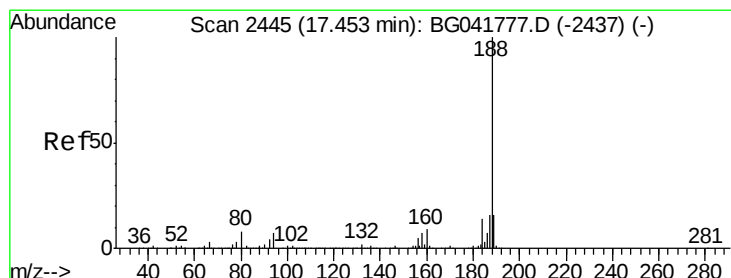
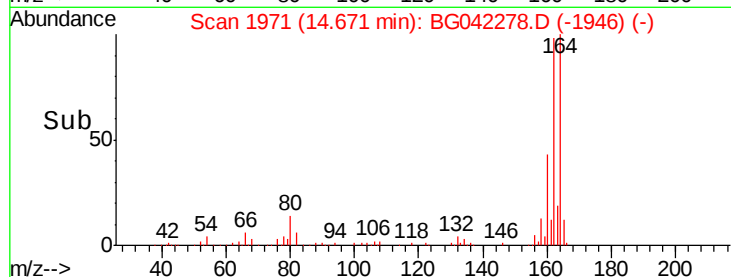
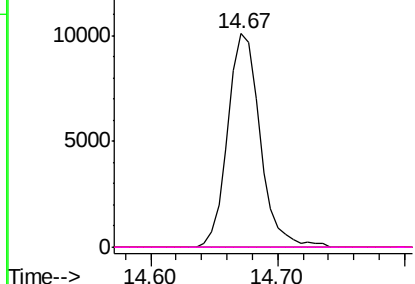
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

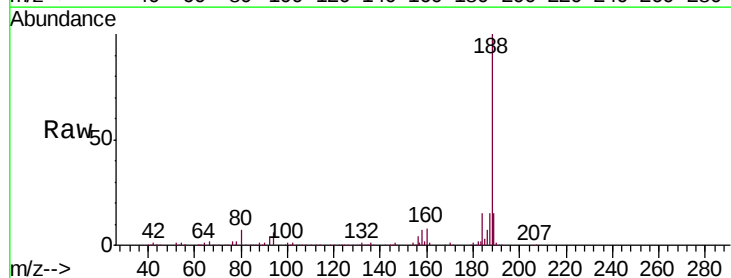
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2440
 Delta R.T. -0.03 min
 Lab File: BG042278.D
 Acq: 17 Aug 2019 2:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	6.9	10.3#
80	6.8	8.0	12.0#

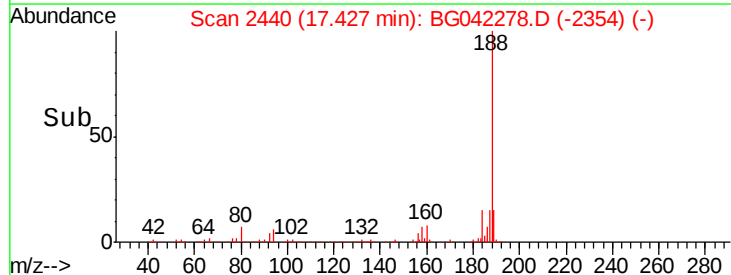
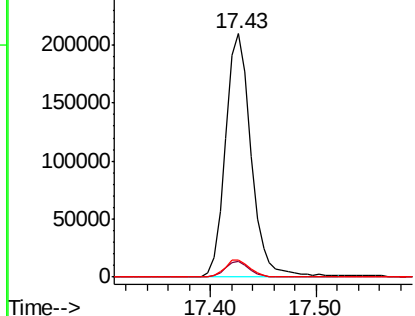


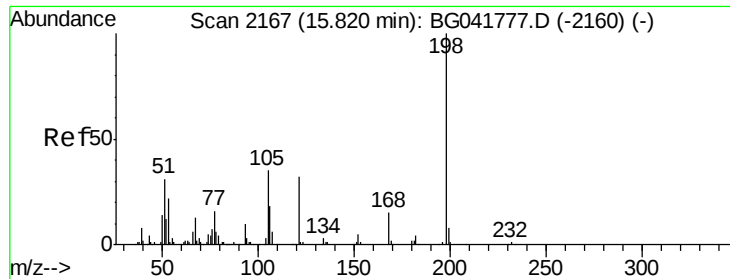
Abundance

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

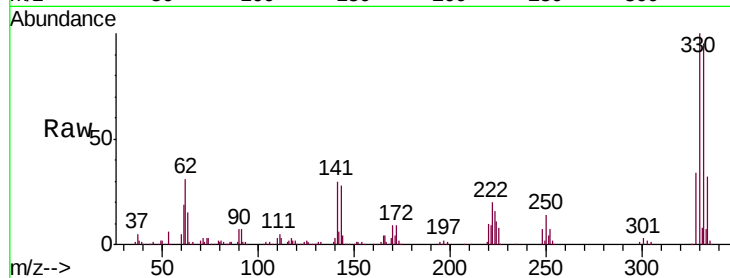




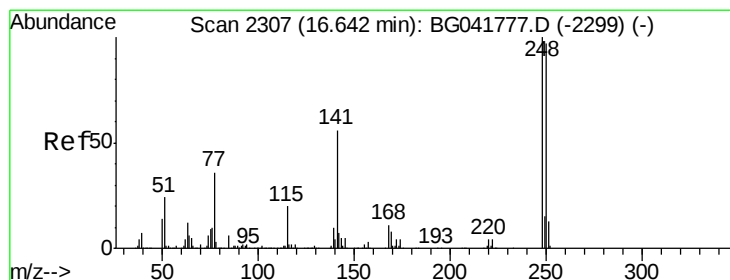
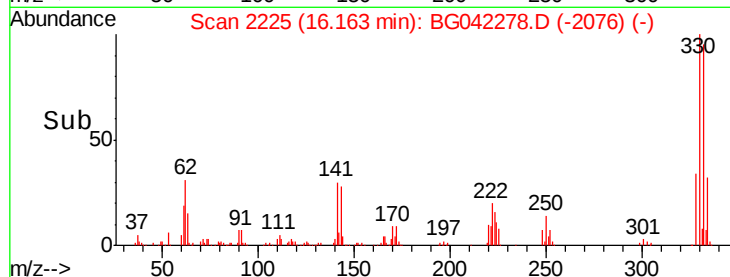
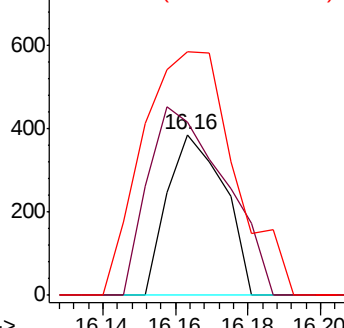
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.061 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. 0.34 min
 Lab File: BG042278.D
 Acq: 17 Aug 2019 2:57

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-F(0-3)

Tgt Ion:198 Resp: 420
 Ion Ratio Lower Upper
 198 100
 51 107.5 22.3 62.3#
 105 151.4 18.0 58.0#

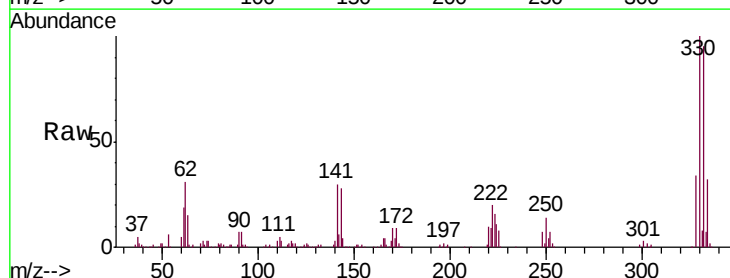


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

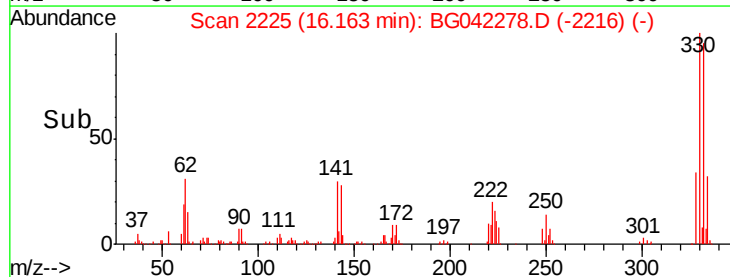
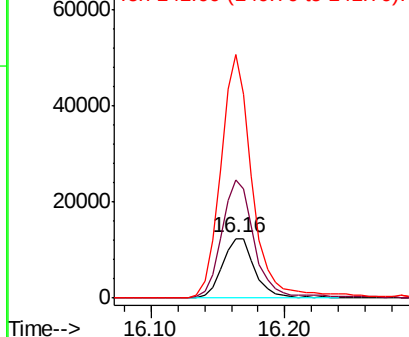


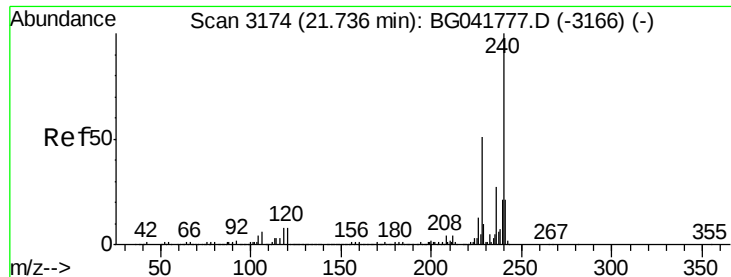
#67
 4-Bromophenyl-phenylether
 Concen: 4.892 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.48 min
 Lab File: BG042278.D
 Acq: 17 Aug 2019 2:57

Tgt Ion:248 Resp: 21213
 Ion Ratio Lower Upper
 248 100
 250 199.2 78.1 117.1#
 141 410.2 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

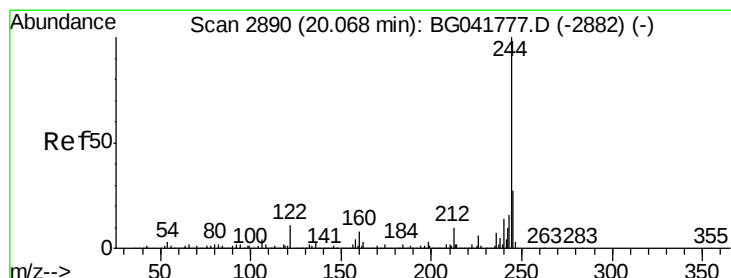
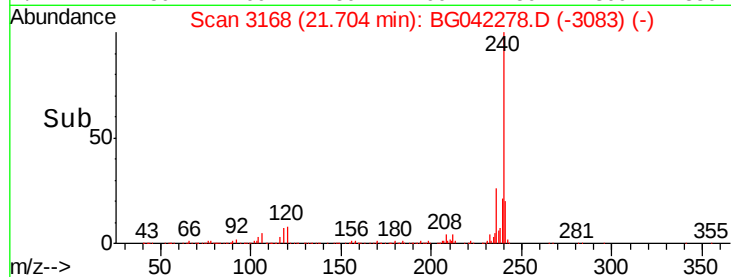
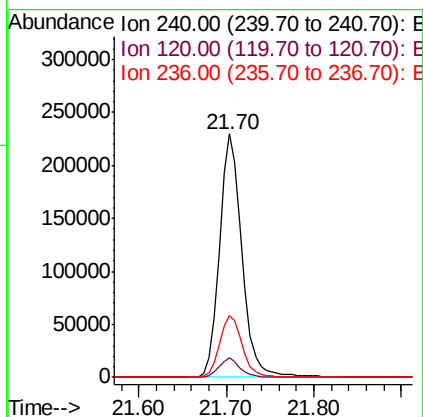
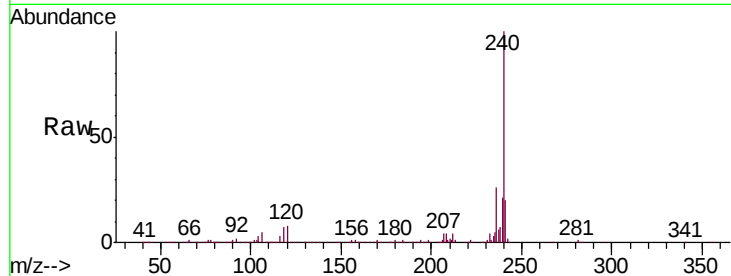




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.03 min
Lab File: BG042278.D
Acq: 17 Aug 2019 2:57

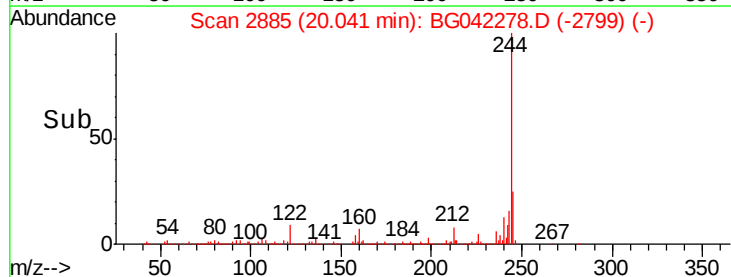
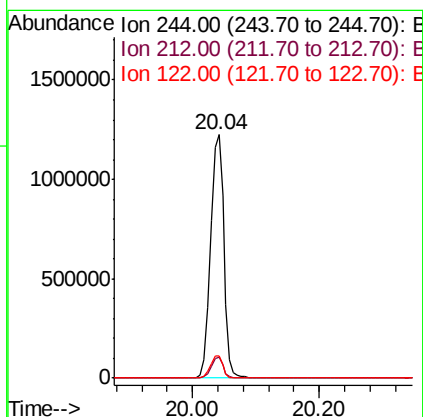
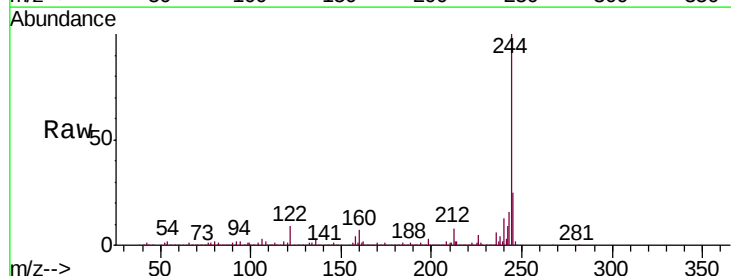
Instrument :
BNA_G
ClientSampleId :
REACTOR-3-F-(0-3)

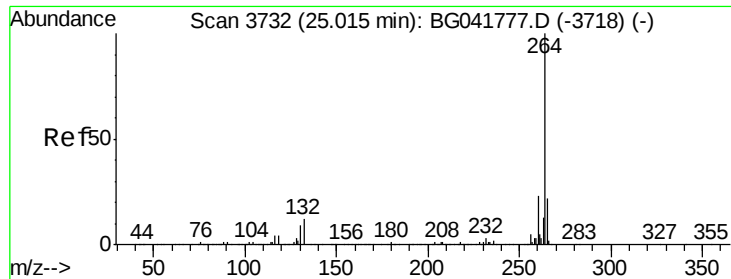
Tgt Ion:240 Resp: 406823
Ion Ratio Lower Upper
240 100
120 8.2 8.0 12.0
236 25.6 22.6 33.8



#79
Terphenyl-d14
Concen: 101.611 ng
RT: 20.04 min Scan# 2885
Delta R.T. -0.03 min
Lab File: BG042278.D
Acq: 17 Aug 2019 2:57

Tgt Ion:244 Resp: 1806507
Ion Ratio Lower Upper
244 100
212 8.5 9.7 14.5#
122 9.0 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: BG042278.D
Acq: 17 Aug 2019 2:57

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-F-(0-3)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.3	18.0	27.0

