

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062119\
 Data File : BG041390.D
 Acq On : 21 Jun 2019 23:45
 Operator : HP/JU
 Sample : K3453-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-MUD

Quant Time: Jun 22 01:06:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

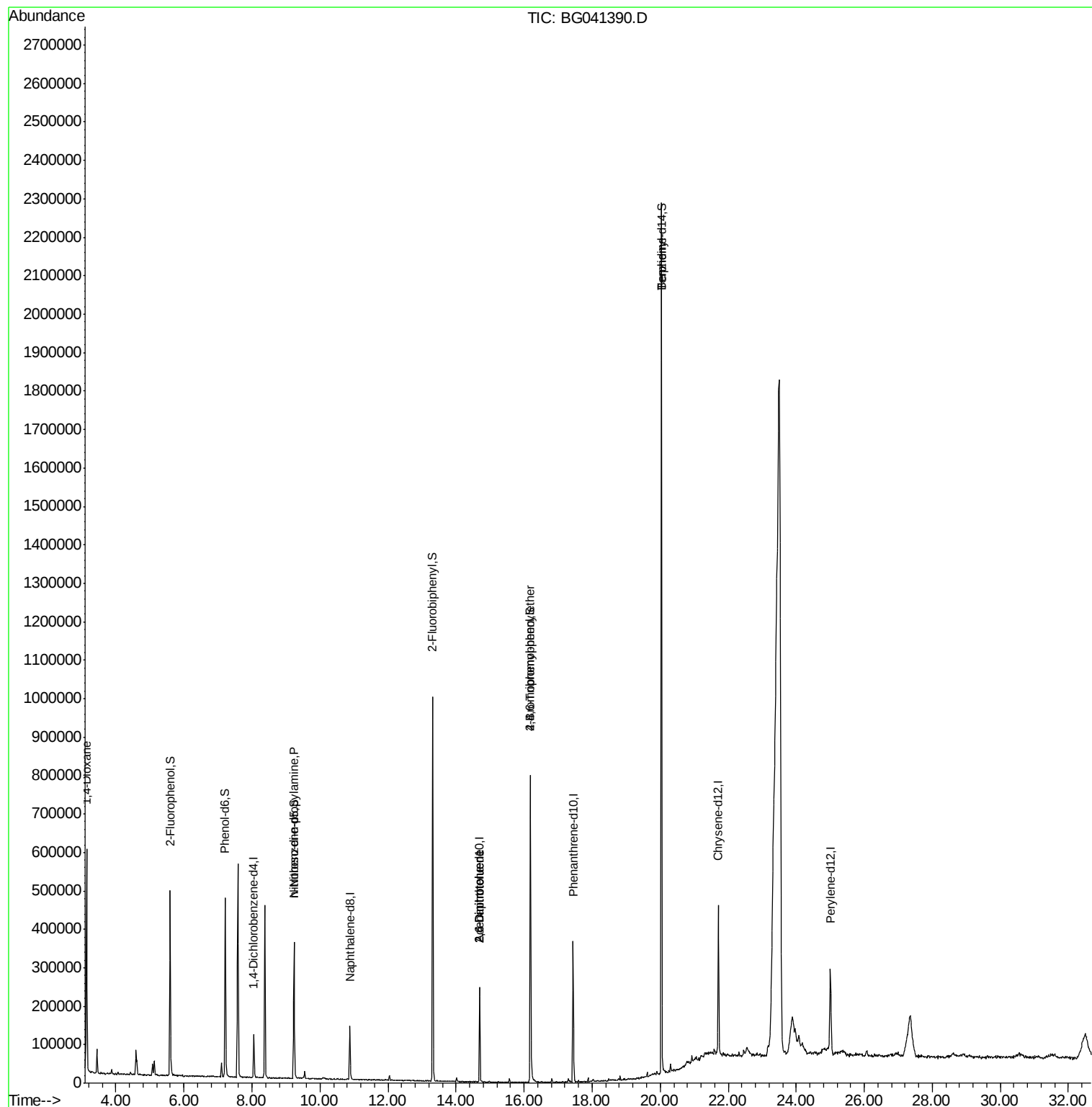
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	31070	20.00	ng	-0.03
21) Naphthalene-d8	10.88	136	117332	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	85408	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	235480	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	237093	20.00	ng	-0.03
87) Perylene-d12	25.00	264	256961	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	190267	112.52	ng	-0.02
7) Phenol-d6	7.21	99	245282	100.07	ng	-0.02
23) Nitrobenzene-d5	9.23	82	219384	78.64	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	168174	128.26	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	511639	81.42	ng	-0.03
79) Terphenyl-d14	20.04	244	1054133	88.11	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.14	88	5665	6.681	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	30496	15.383	ng	# 79
51) 2,6-Dinitrotoluene	14.69	165	11358	7.088	ng	# 16
57) 2,4-Dinitrotoluene	14.69	165	11358	4.849	ng	# 20
67) 4-Bromophenyl-phenylether	16.18	248	11733	3.853	ng	# 1
77) Benzidine	20.04	184	17799	3.104	ng	98

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

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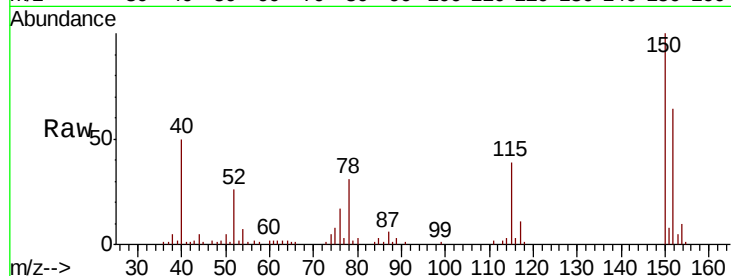


#1

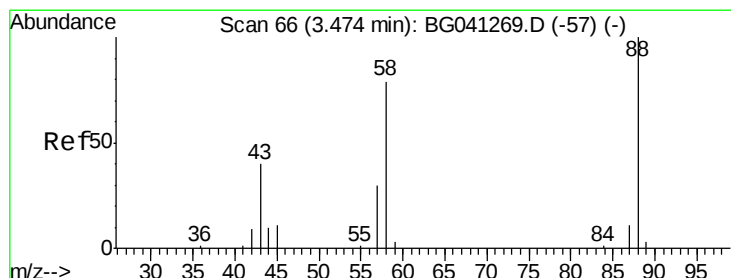
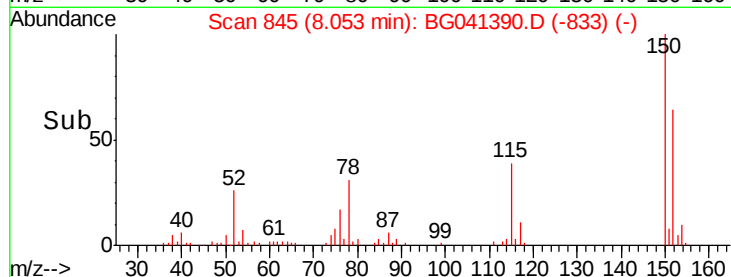
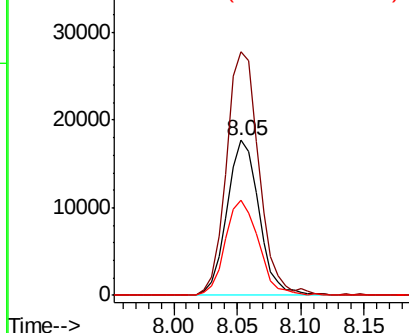
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.03 min
Lab File: BG041390.D
Acq: 21 Jun 2019 23:45

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-MUD

Tgt Ion:152 Resp: 31070
Ion Ratio Lower Upper
152 100
150 156.9 120.6 181.0
115 61.5 47.9 71.9



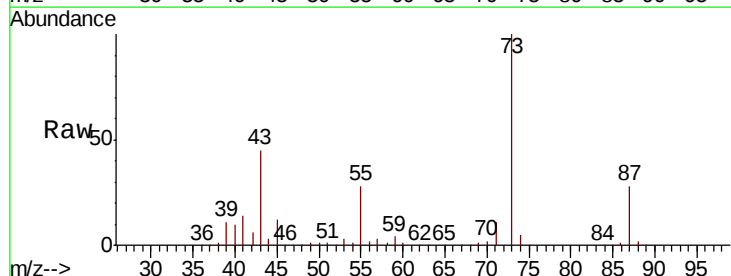
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



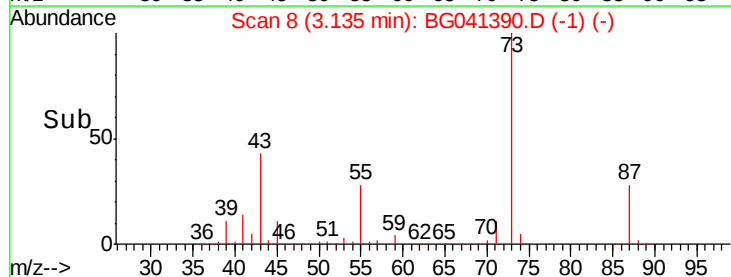
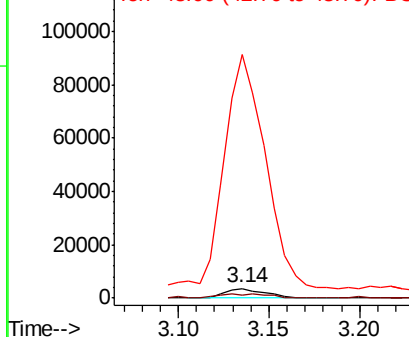
#2

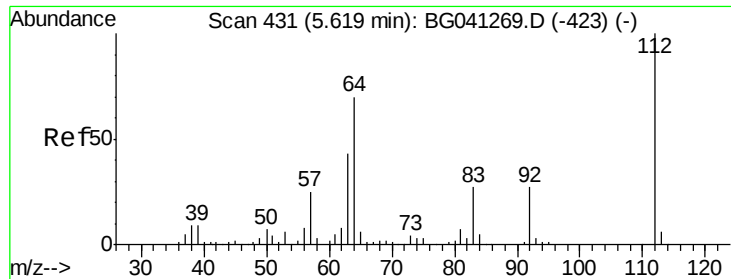
1,4-Dioxane
Concen: 6.681 ng
RT: 3.14 min Scan# 8
Delta R.T. -0.34 min
Lab File: BG041390.D
Acq: 21 Jun 2019 23:45

Tgt Ion: 88 Resp: 5665
Ion Ratio Lower Upper
88 100
58 38.8 59.7 89.5#
43 2421.3 31.9 47.9#



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: 112.520 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.02 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

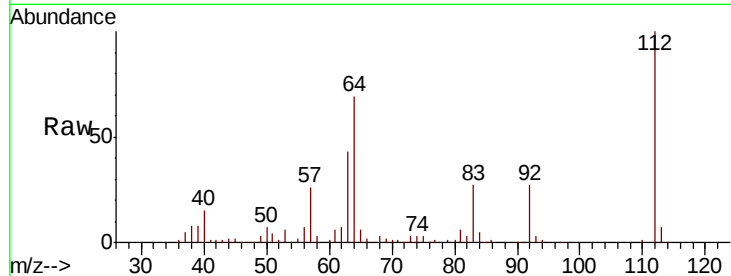
Tgt Ion: 112 Resp: 190267

Ion Ratio Lower Upper

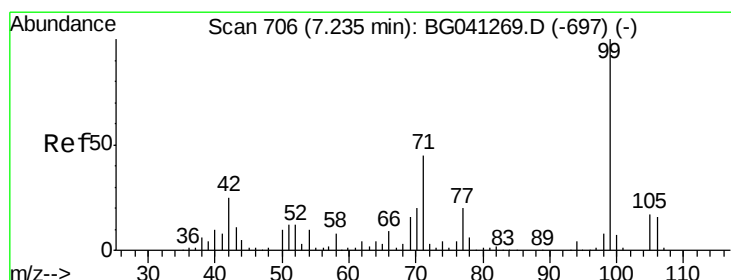
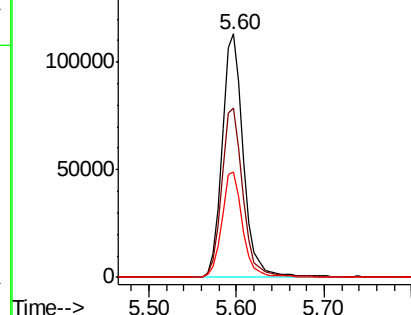
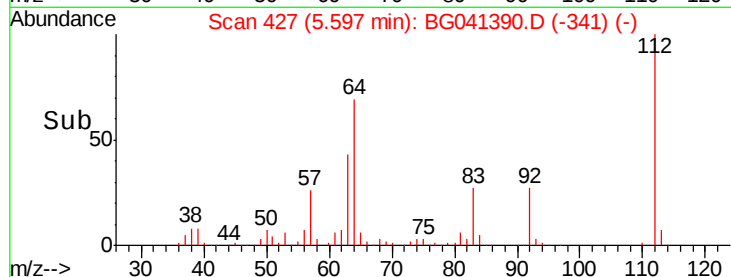
112 100

64 69.4 55.9 83.9

63 43.4 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 100.072 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

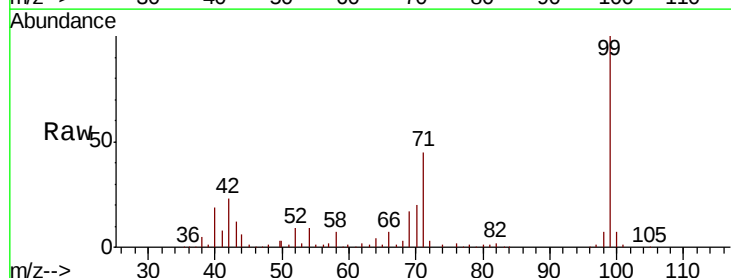
Tgt Ion: 99 Resp: 245282

Ion Ratio Lower Upper

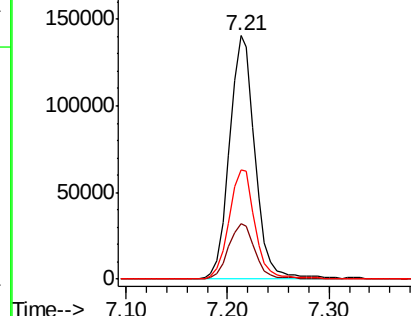
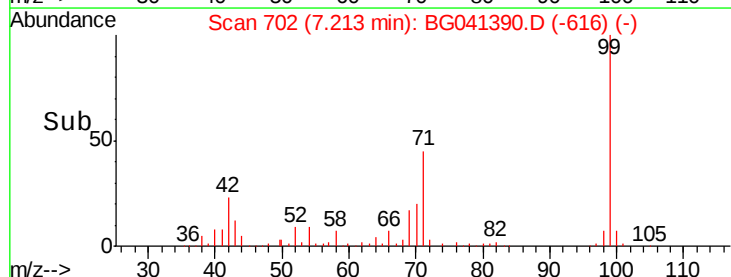
99 100

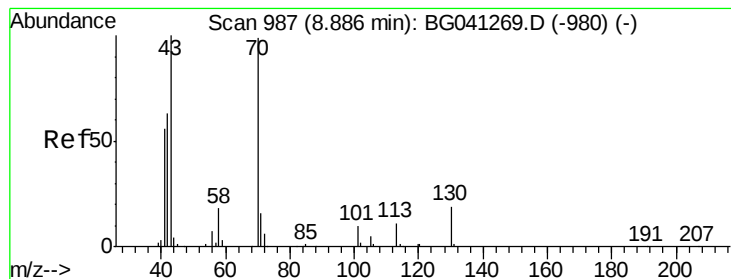
42 22.9 19.9 29.9

71 44.8 36.4 54.6



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: 15.383 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.35 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

Tgt Ion: 70 Resp: 30496

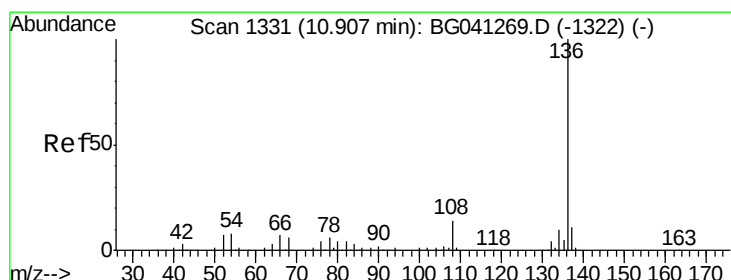
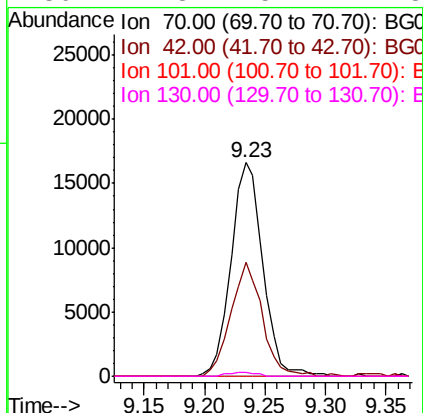
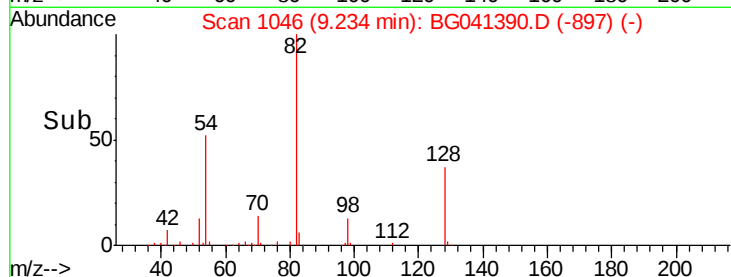
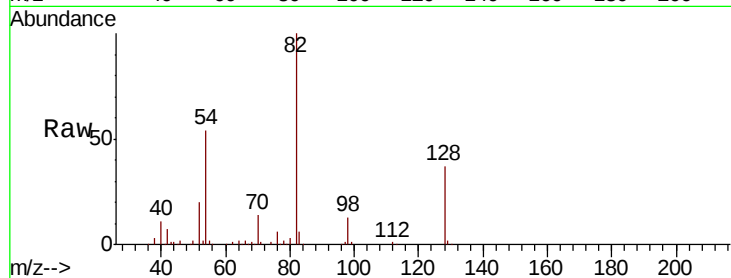
Ion Ratio Lower Upper

70 100

42 53.2 51.4 77.2

101 0.0 8.2 12.2#

130 1.8 15.2 22.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1326

Delta R.T. -0.03 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

Tgt Ion: 136 Resp: 117332

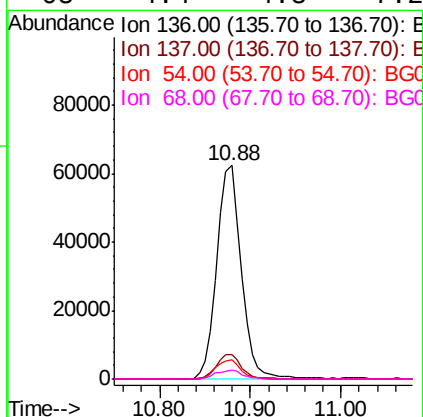
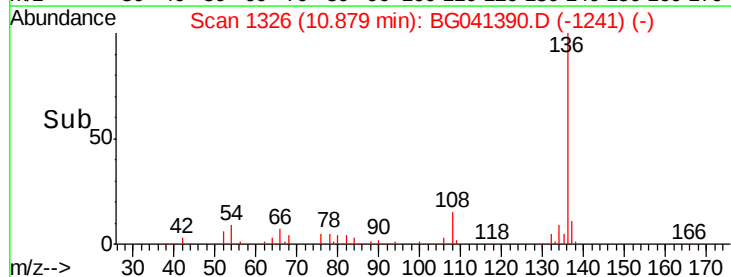
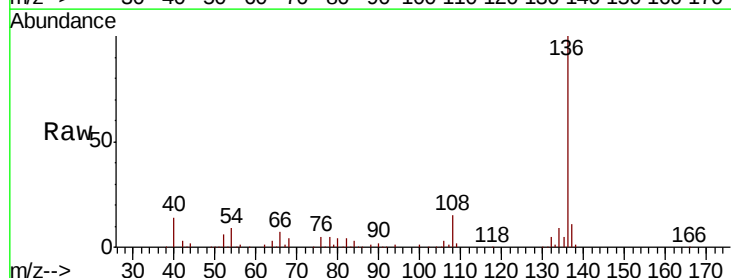
Ion Ratio Lower Upper

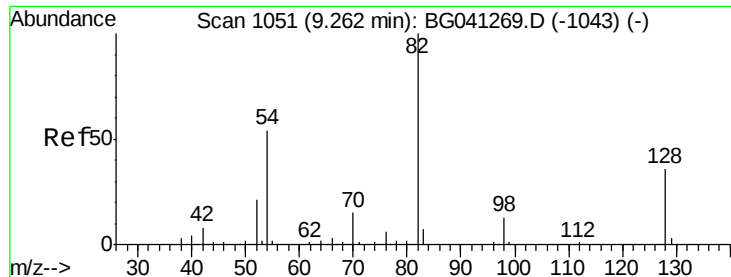
136 100

137 11.4 8.8 13.2

54 9.3 6.4 9.6

68 4.4 4.8 7.2#

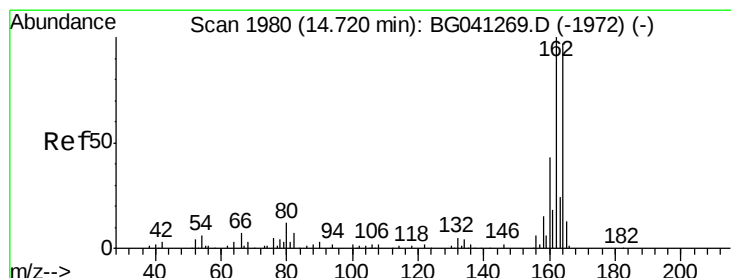
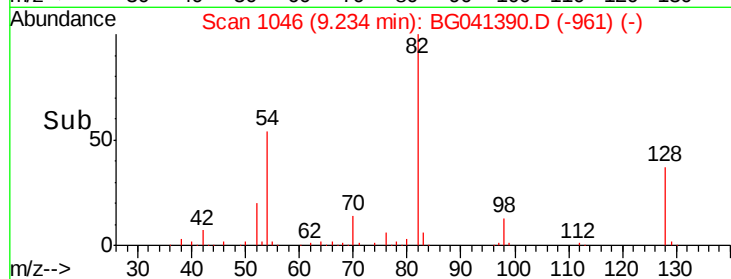
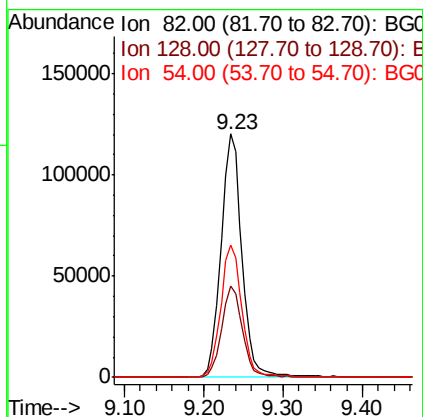
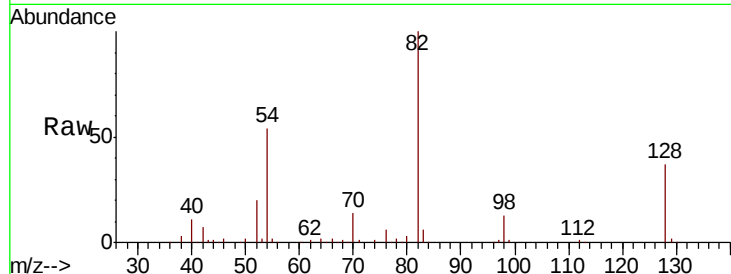




#23
Nitrobenzene-d5
Concen: 78.636 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BG041390.D
Acq: 21 Jun 2019 23:45

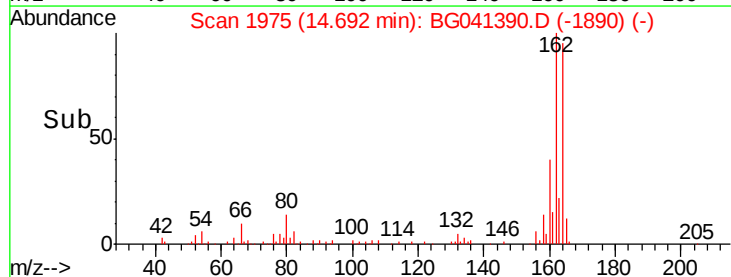
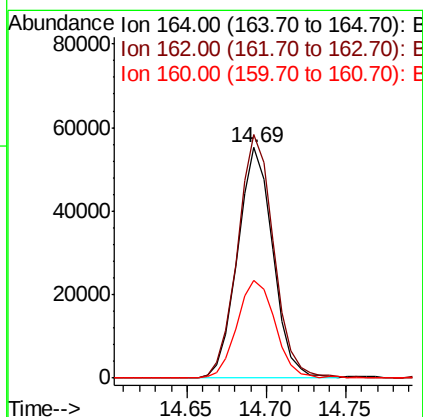
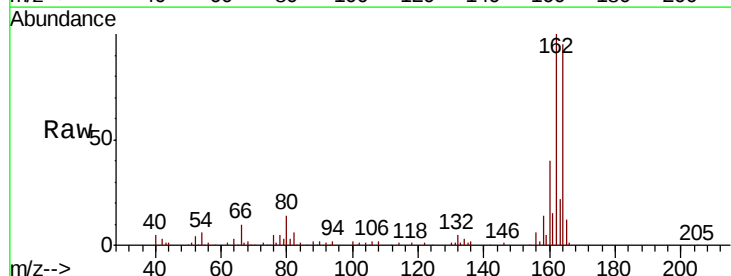
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-MUD

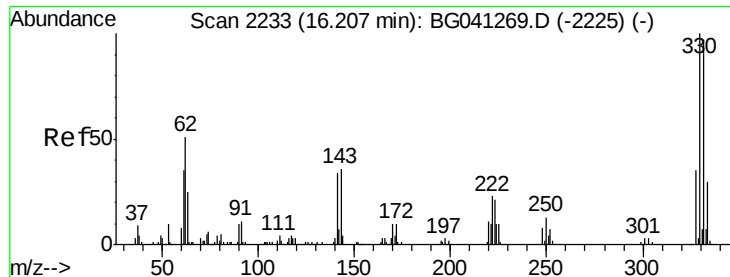
Tgt Ion: 82 Resp: 219384
Ion Ratio Lower Upper
82 100
128 37.3 29.2 43.8
54 54.2 43.4 65.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.03 min
Lab File: BG041390.D
Acq: 21 Jun 2019 23:45

Tgt Ion: 164 Resp: 85408
Ion Ratio Lower Upper
164 100
162 105.6 82.8 124.2
160 42.5 35.8 53.8

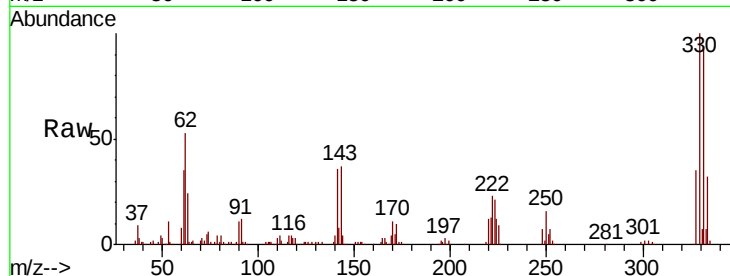




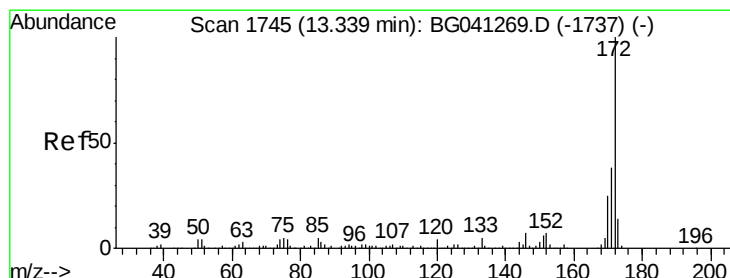
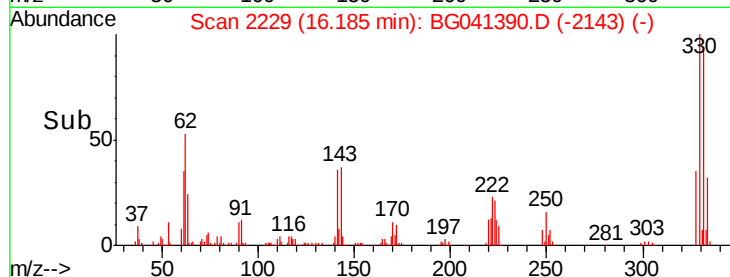
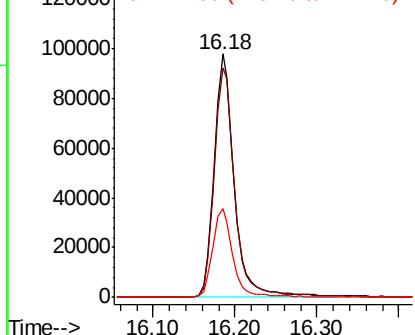
#42
 2,4,6-Tribromophenol
 Concen: 128.259 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BG041390.D
 Acq: 21 Jun 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-MUD

Tgt Ion:330 Resp: 168174
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.5 113.3
 141 36.3 29.0 43.4

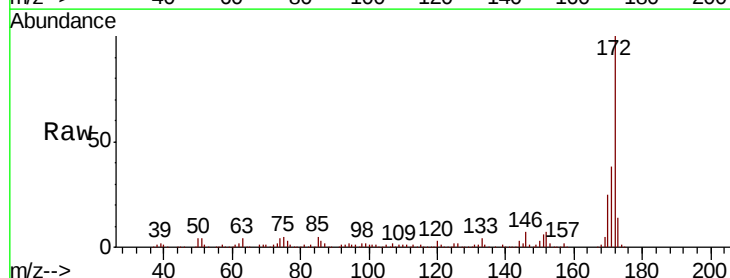


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

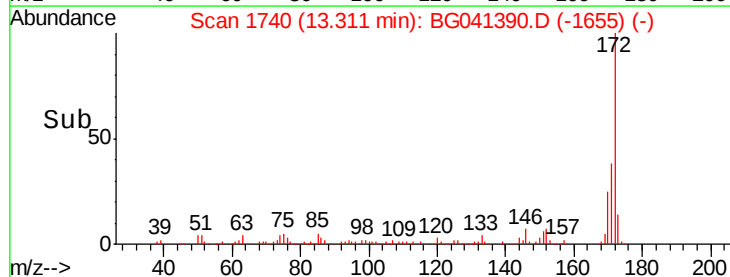
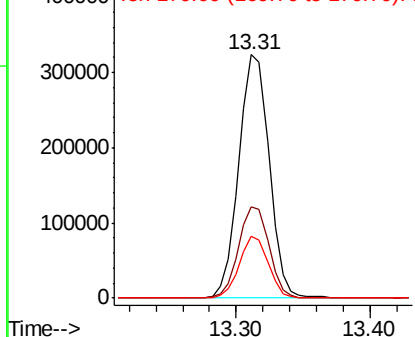


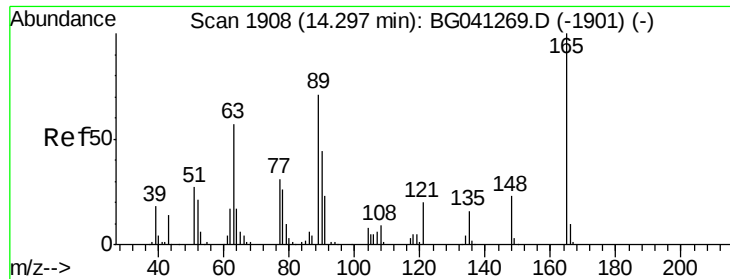
#45
 2-Fluorobiphenyl
 Concen: 81.421 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.03 min
 Lab File: BG041390.D
 Acq: 21 Jun 2019 23:45

Tgt Ion:172 Resp: 511639
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 25.2 19.8 29.6



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

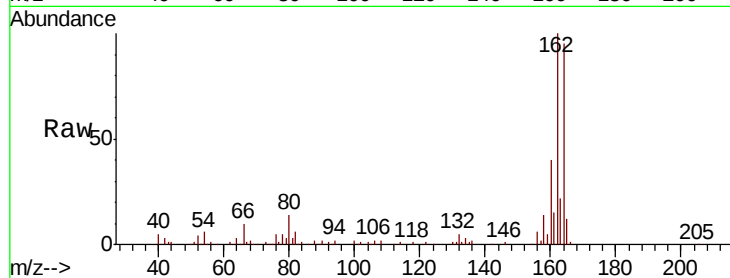




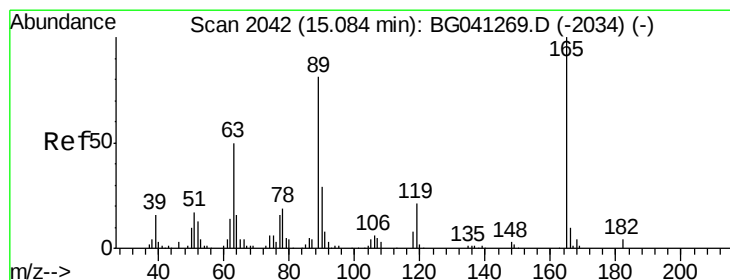
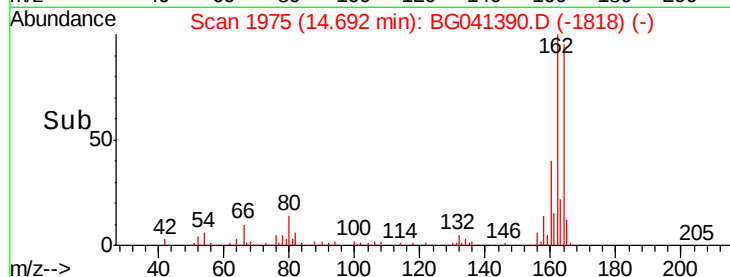
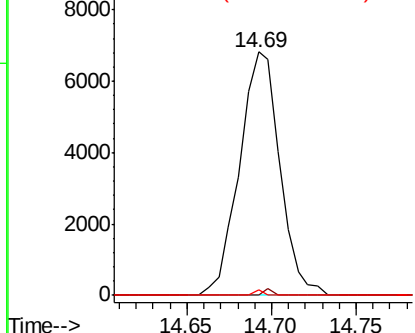
#51
 2,6-Dinitrotoluene
 Concen: 7.088 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.40 min
 Lab File: BG041390.D
 Acq: 21 Jun 2019 23:45

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-MUD

Tgt Ion:165 Resp: 11358
 Ion Ratio Lower Upper
 165 100
 63 0.0 55.4 83.0#
 89 2.4 56.5 84.7#

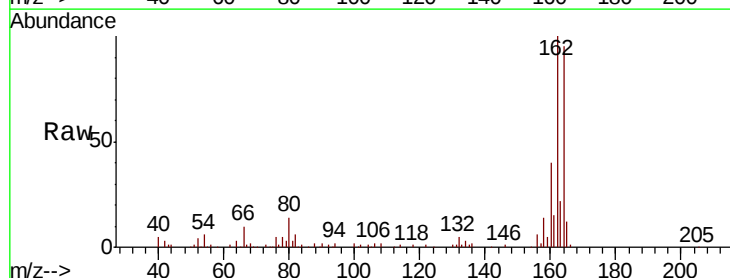


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

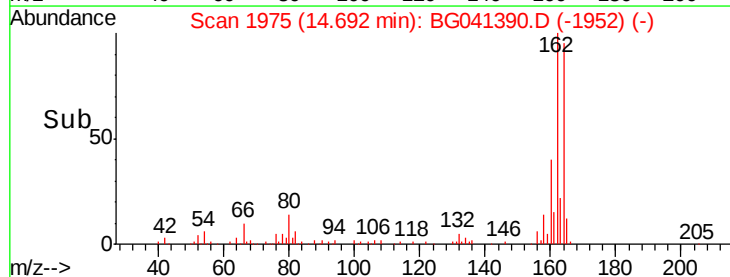
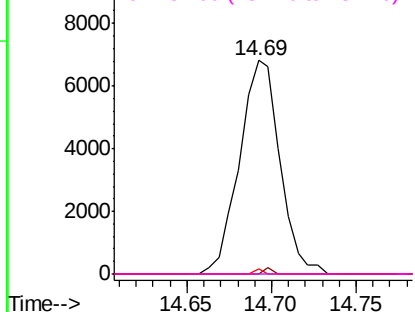


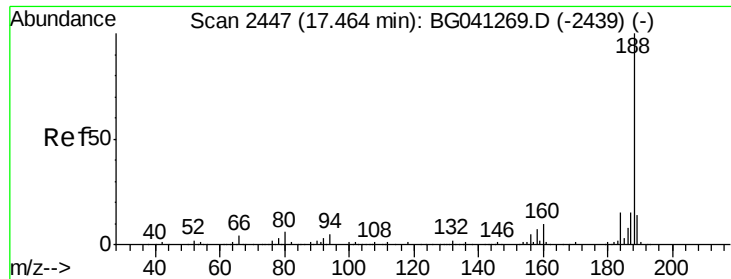
#57
 2,4-Dinitrotoluene
 Concen: 4.849 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.39 min
 Lab File: BG041390.D
 Acq: 21 Jun 2019 23:45

Tgt Ion:165 Resp: 11358
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.0 60.0#
 89 2.4 64.6 96.8#
 182 0.0 2.9 4.3#



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: 17.44 min Scan# 2443

Delta R.T. -0.02 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

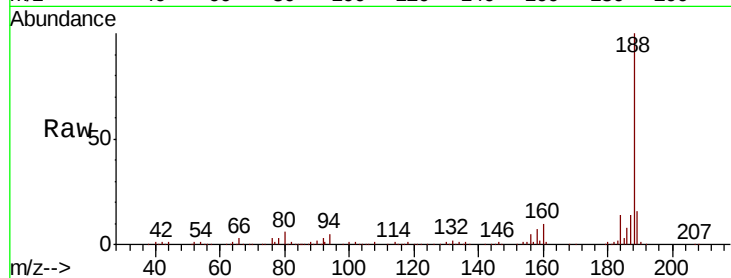
Tgt Ion:188 Resp: 235480

Ion Ratio Lower Upper

188 100

94 5.3 3.6 5.4

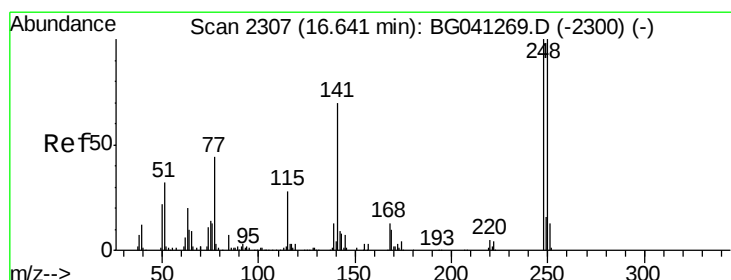
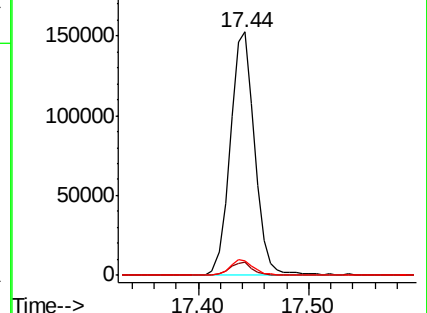
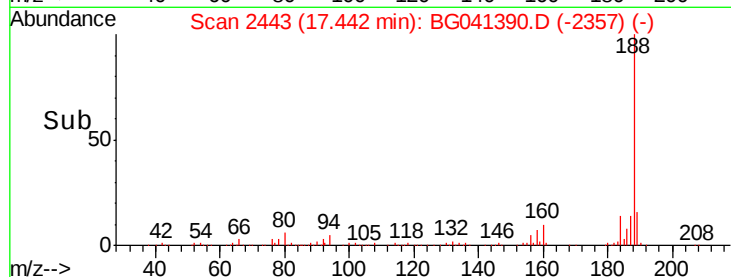
80 6.2 4.8 7.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 3.853 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.46 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

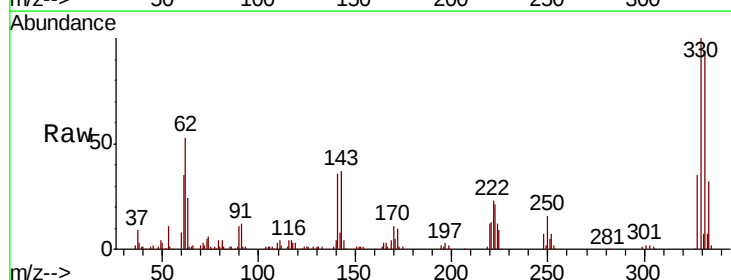
Tgt Ion:248 Resp: 11733

Ion Ratio Lower Upper

248 100

250 215.4 79.8 119.8#

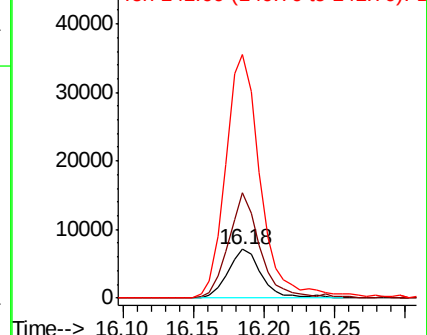
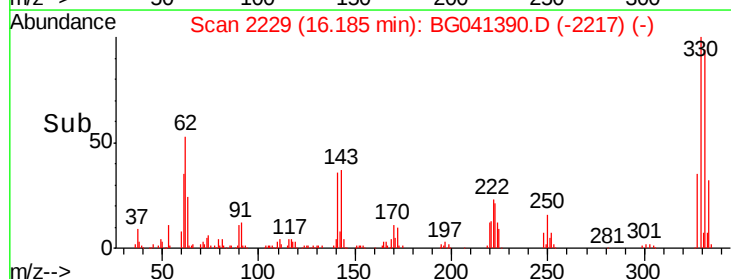
141 498.3 55.8 83.6#

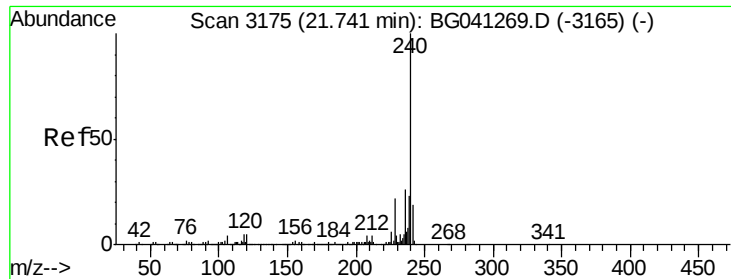


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3170

Delta R.T. -0.03 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

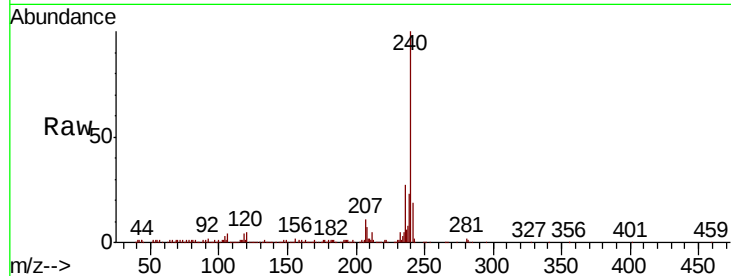
Tgt Ion:240 Resp: 237093

Ion Ratio Lower Upper

240 100

120 4.7 3.7 5.5

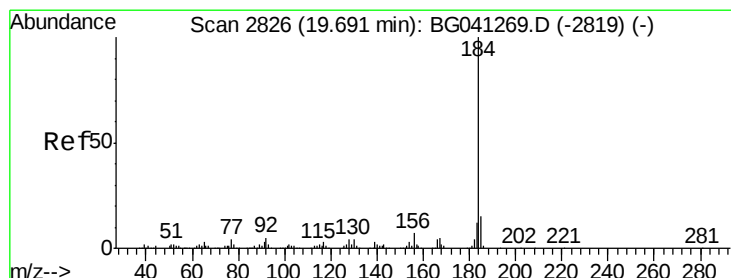
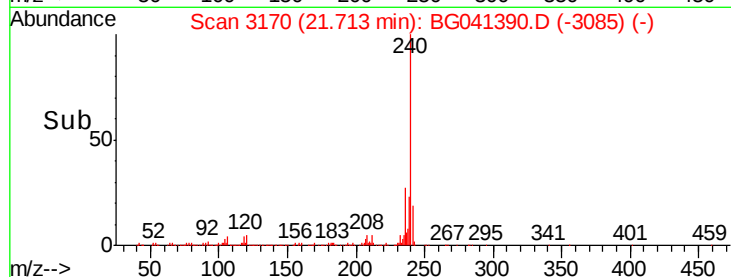
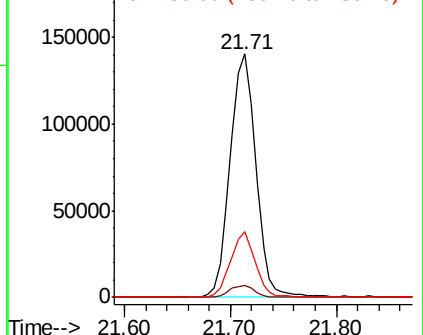
236 27.0 21.1 31.7



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



#77

Benzidine

Concen: 3.104 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.35 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

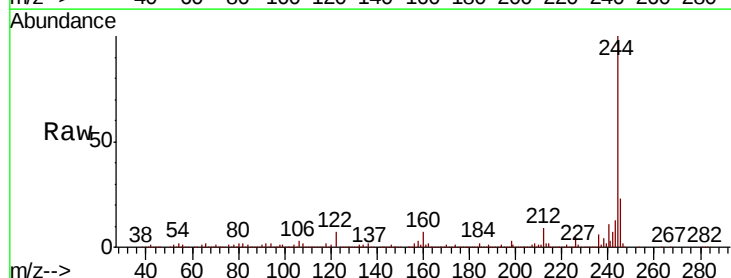
Tgt Ion:184 Resp: 17799

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

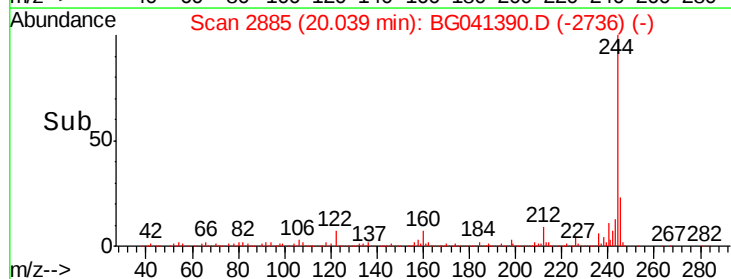
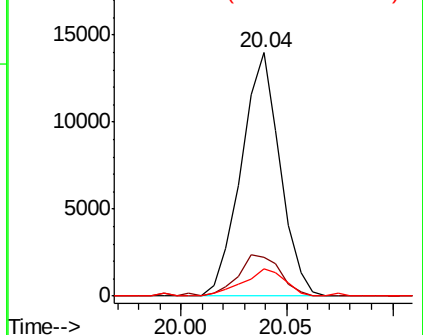
183 11.0 9.6 14.4

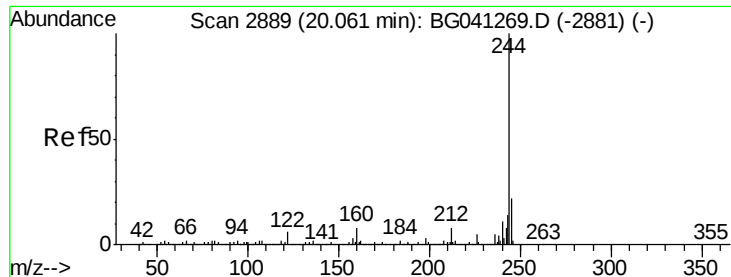


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.112 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.02 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

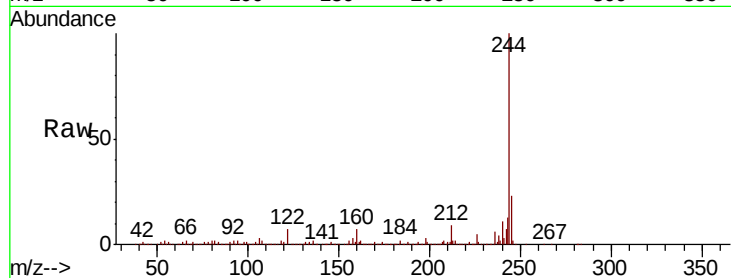
Tgt Ion:244 Resp: 1054133

Ion Ratio Lower Upper

244 100

212 8.6 6.6 10.0

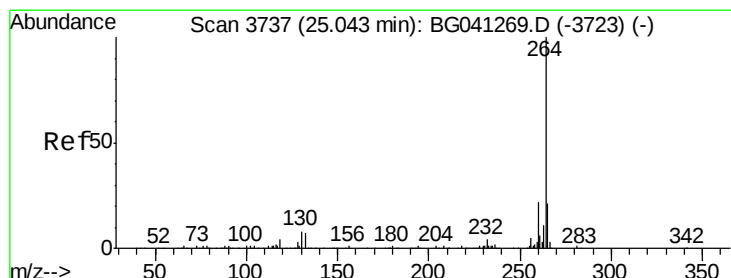
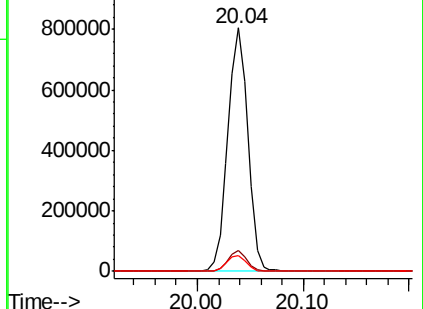
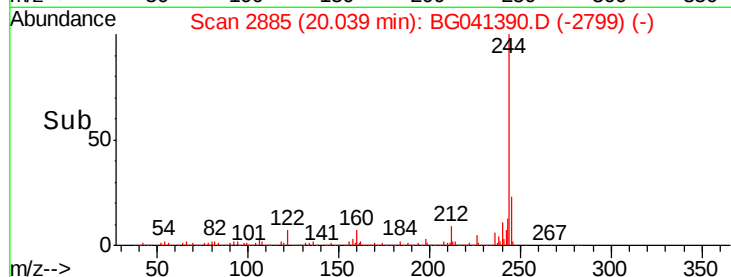
122 6.5 5.0 7.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.00 min Scan# 3730

Delta R.T. -0.04 min

Lab File: BG041390.D

Acq: 21 Jun 2019 23:45

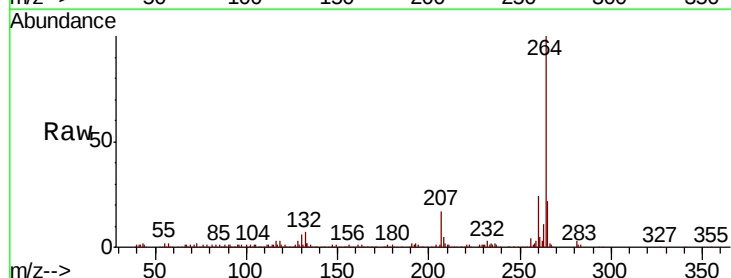
Tgt Ion:264 Resp: 256961

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.2

265 21.9 17.2 25.8



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

