

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082319\
 Data File : BG042446.D
 Acq On : 23 Aug 2019 23:17
 Operator : HP/JU
 Sample : K4402-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-MUD

Quant Time: Aug 24 02:11:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

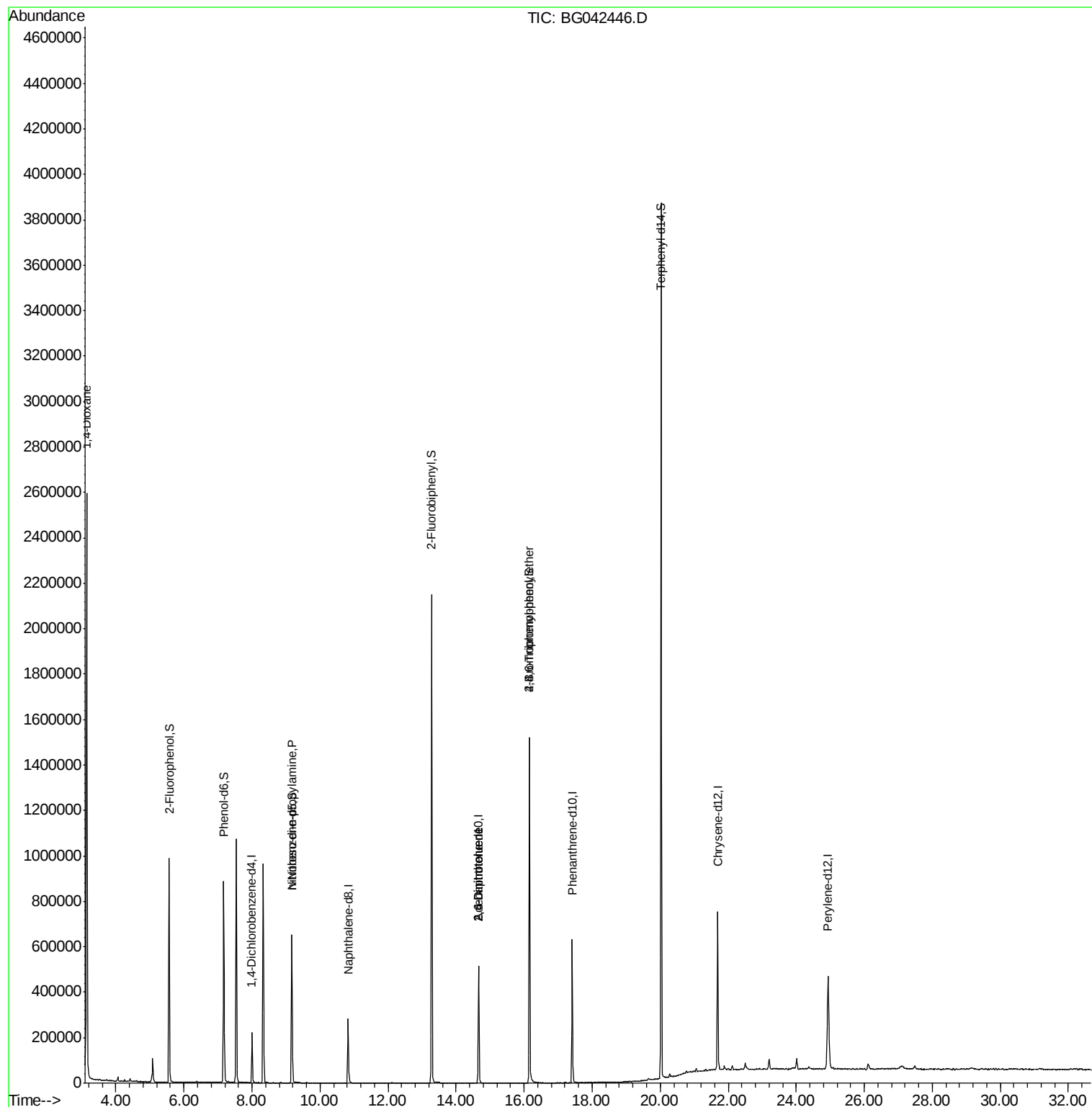
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	72389	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	288061	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	202185	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	432556	20.00	ng	0.00
76) Chrysene-d12	21.69	240	423178	20.00	ng	0.00
87) Perylene-d12	24.93	264	494823	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	485620	135.87	ng	0.00
7) Phenol-d6	7.17	99	611229	126.60	ng	0.00
23) Nitrobenzene-d5	9.17	82	421641	101.15	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	345921	120.37	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1213692	101.53	ng	0.00
79) Terphenyl-d14	20.03	244	1772108	90.53	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.14	88	28783	19.297	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	53111	16.980	ng	# 75
51) 2,6-Dinitrotoluene	14.66	165	27275	8.066	ng	# 37
57) 2,4-Dinitrotoluene	14.66	165	27275	5.633	ng	# 40
67) 4-Bromophenyl-phenylether	16.16	248	25312	4.613	ng	# 1

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

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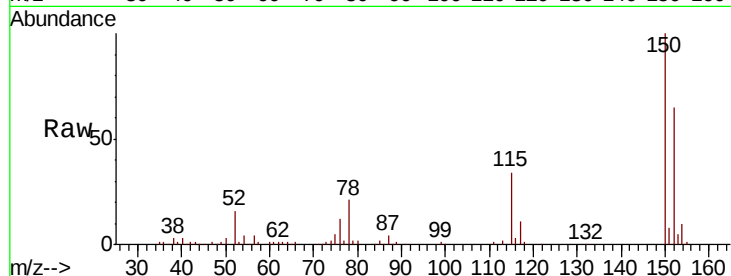


#1

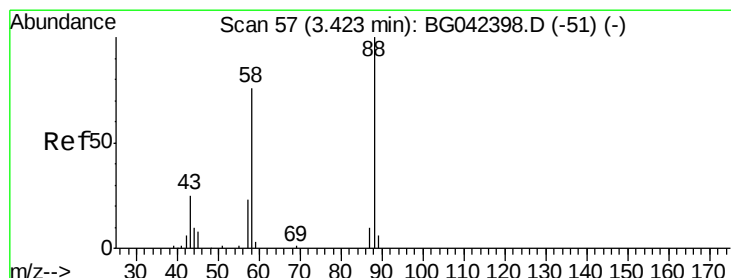
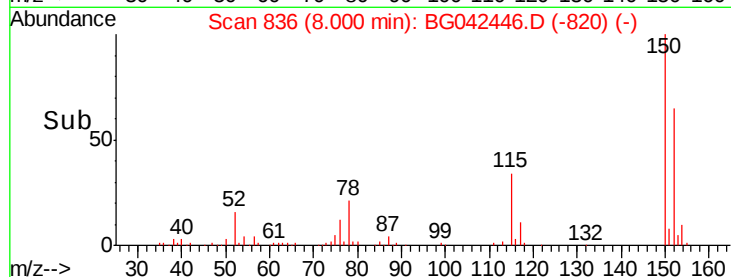
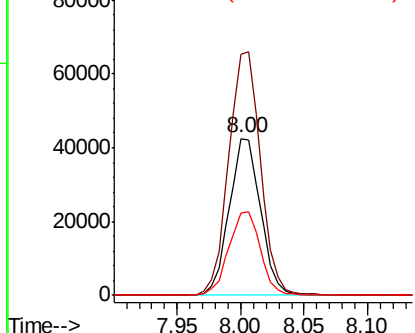
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042446.D
Acq: 23 Aug 2019 23:17

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-MUD

Tgt Ion:152 Resp: 72389
Ion Ratio Lower Upper
152 100
150 153.8 125.4 188.0
115 52.8 38.5 57.7



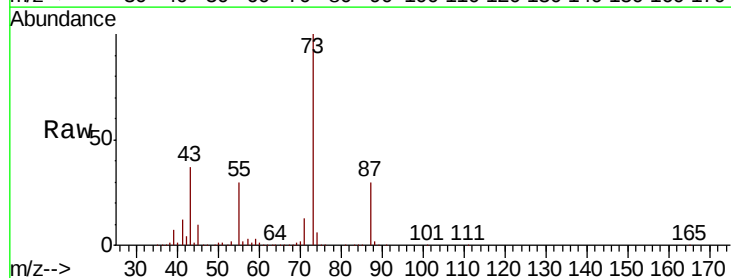
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



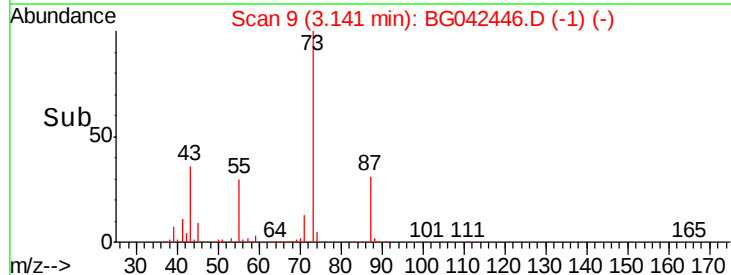
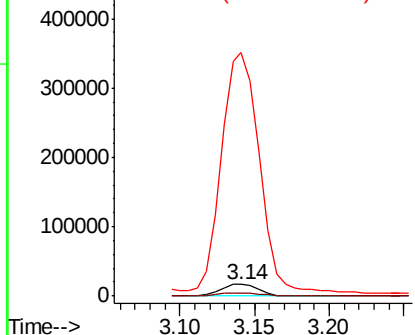
#2

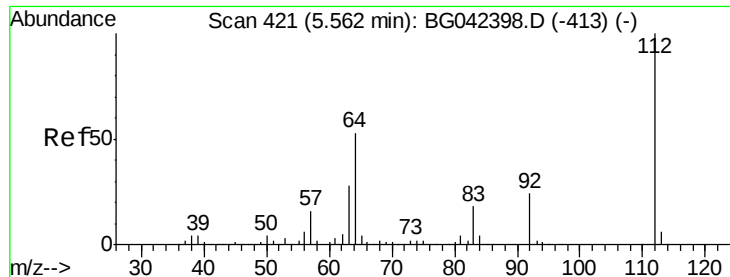
1,4-Dioxane
Concen: 19.297 ng
RT: 3.14 min Scan# 9
Delta R.T. -0.28 min
Lab File: BG042446.D
Acq: 23 Aug 2019 23:17

Tgt Ion: 88 Resp: 28783
Ion Ratio Lower Upper
88 100
58 28.7 58.3 87.5#
43 2139.5 20.2 30.2#



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: 135.866 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042446.D

Acq: 23 Aug 2019 23:17

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

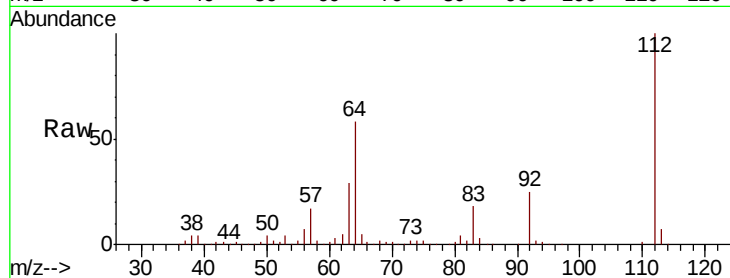
Tgt Ion: 112 Resp: 485620

Ion Ratio Lower Upper

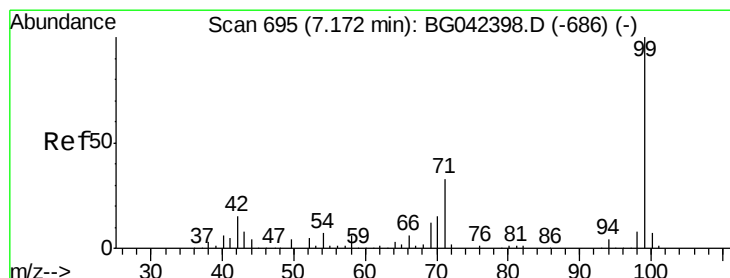
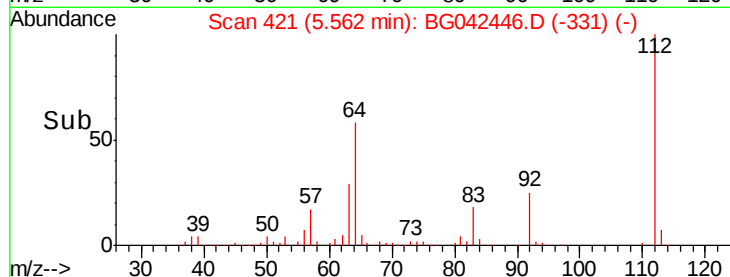
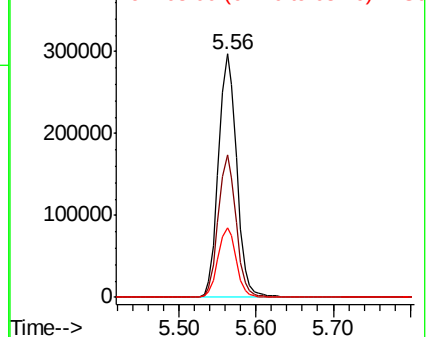
112 100

64 58.4 42.8 64.2

63 28.8 22.7 34.1



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: 126.601 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG042446.D

Acq: 23 Aug 2019 23:17

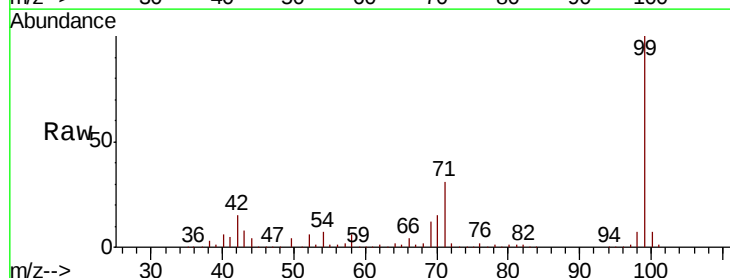
Tgt Ion: 99 Resp: 611229

Ion Ratio Lower Upper

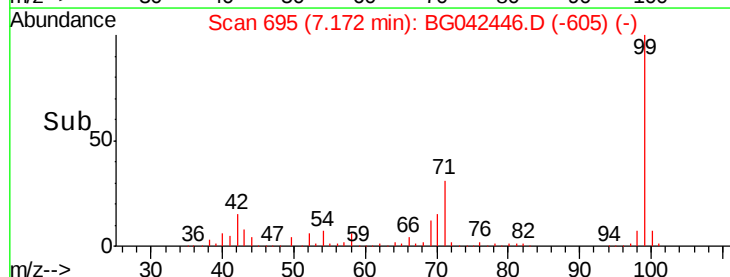
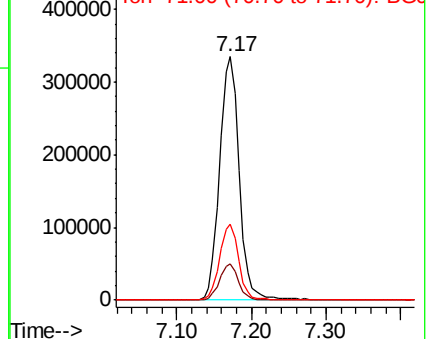
99 100

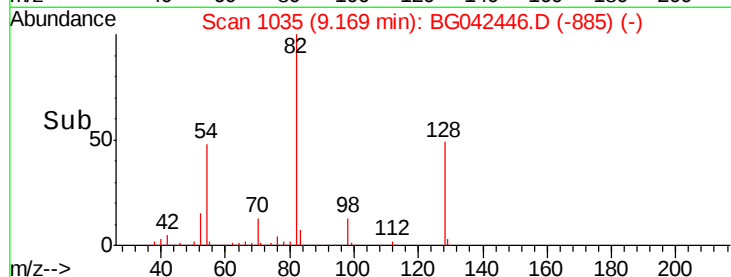
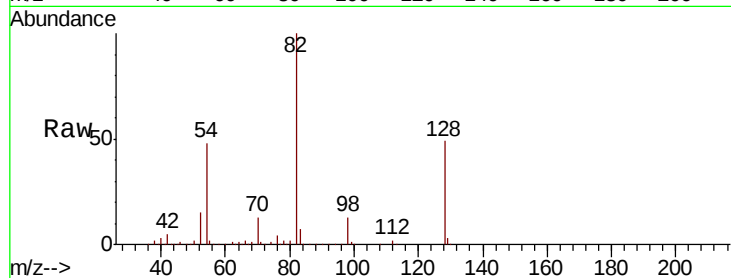
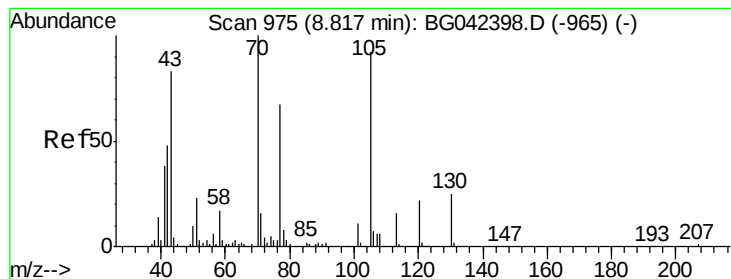
42 14.8 12.0 18.0

71 31.3 26.3 39.5



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: 16.980 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042446.D

Acq: 23 Aug 2019 23:17

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

Tgt Ion: 70 Resp: 53111

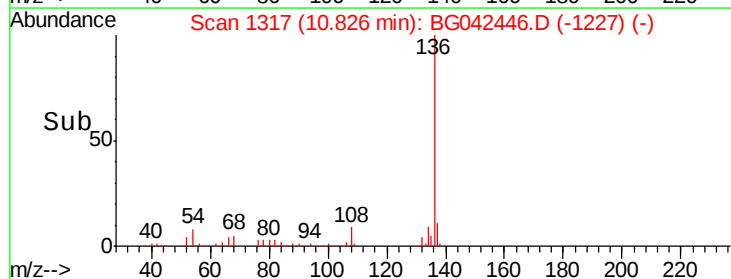
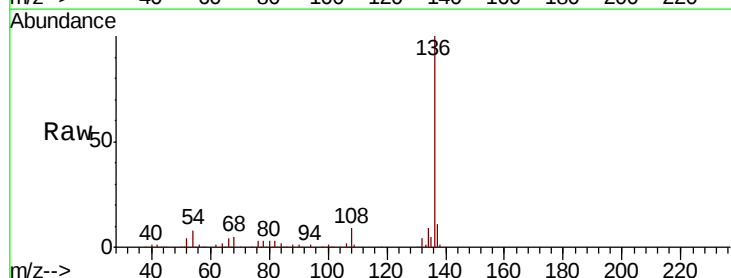
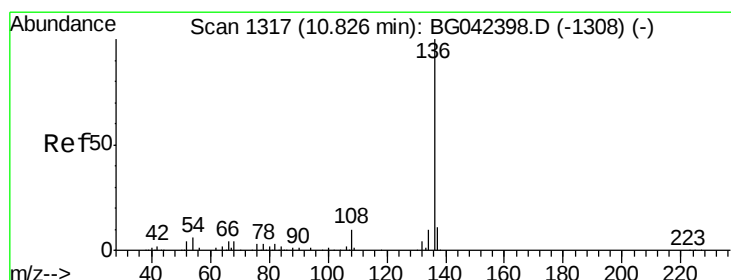
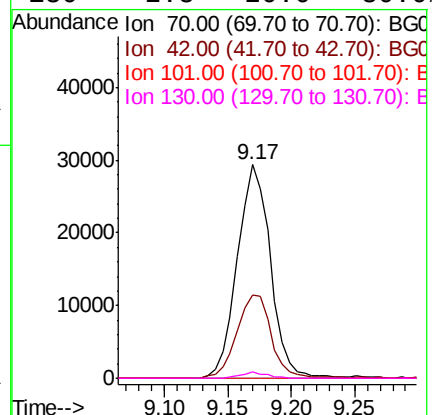
Ion Ratio Lower Upper

70 100

42 39.1 38.8 58.2

101 0.0 9.0 13.6#

130 2.8 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042446.D

Acq: 23 Aug 2019 23:17

Tgt Ion: 136 Resp: 288061

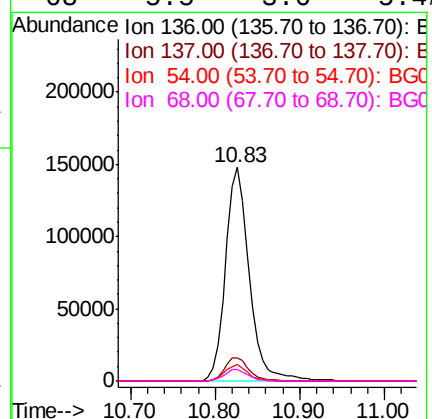
Ion Ratio Lower Upper

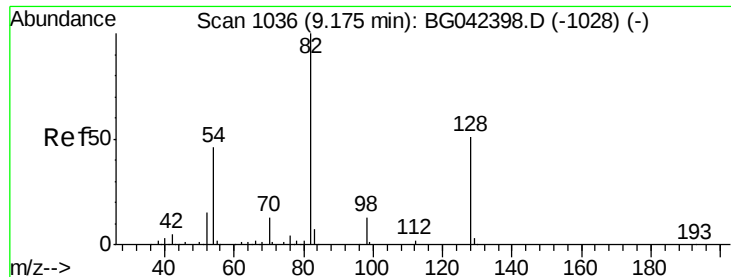
136 100

137 10.6 8.7 13.1

54 7.5 4.9 7.3#

68 5.5 3.6 5.4#

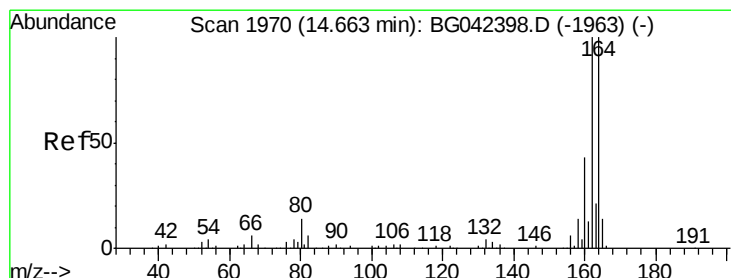
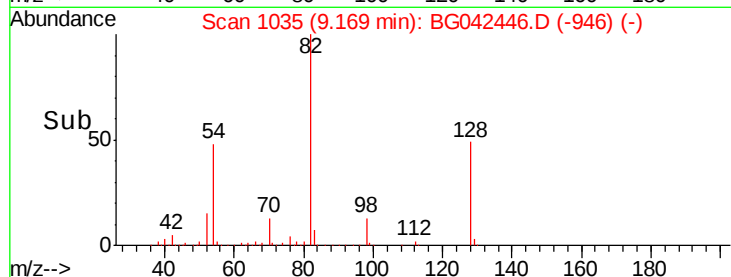
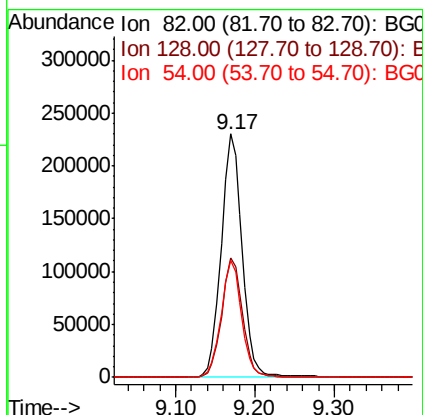
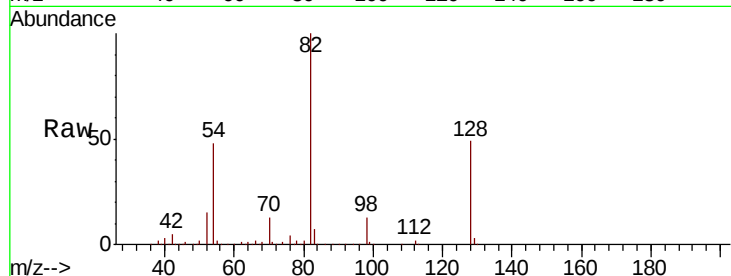




#23
 Nitrobenzene-d5
 Concen: 101.149 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG042446.D
 Acq: 23 Aug 2019 23:17

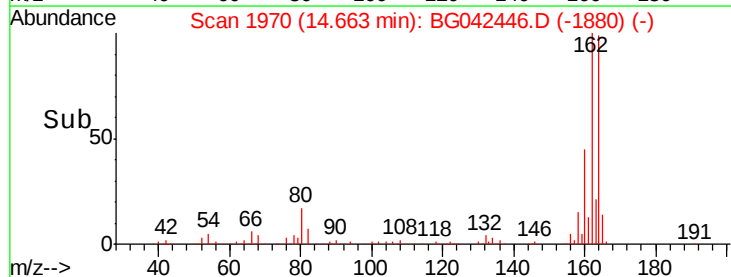
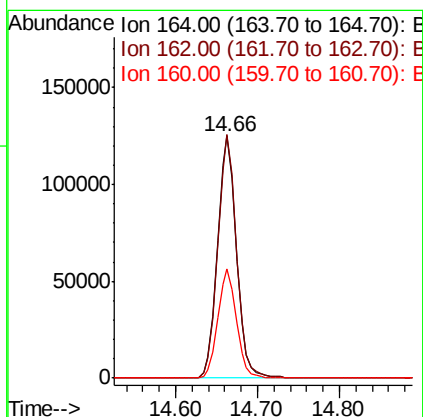
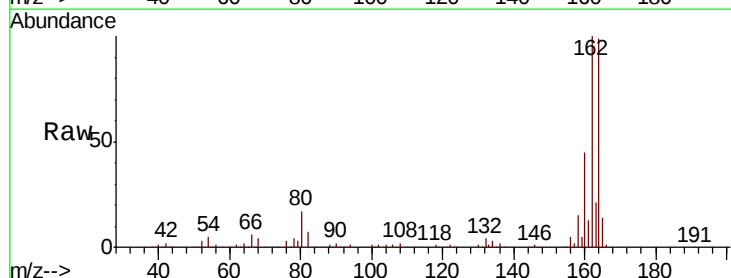
Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-MUD

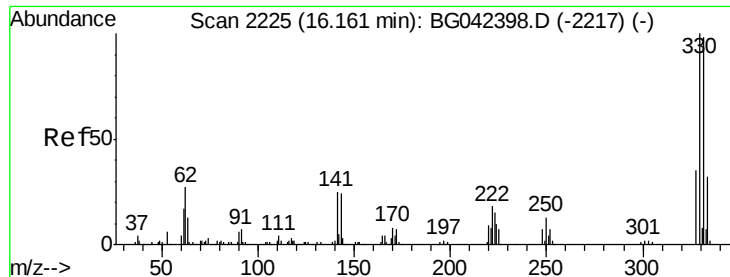
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.1	40.7	61.1
54	47.8	36.3	54.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: BG042446.D
 Acq: 23 Aug 2019 23:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.9	119.9
160	45.0	34.3	51.5





#42

2,4,6-Tribromophenol

Concen: 120.374 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG042446.D

Acq: 23 Aug 2019 23:17

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

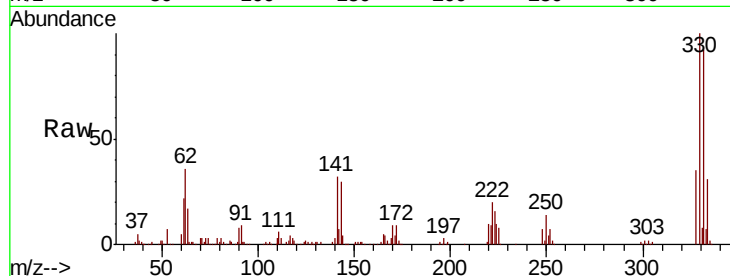
Tgt Ion:330 Resp: 345921

Ion Ratio Lower Upper

330 100

332 95.0 77.4 116.0

141 32.4 21.4 32.0#

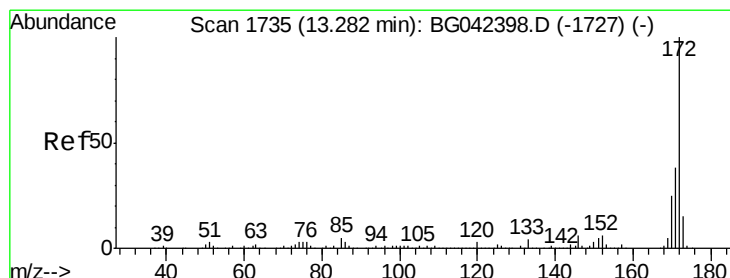
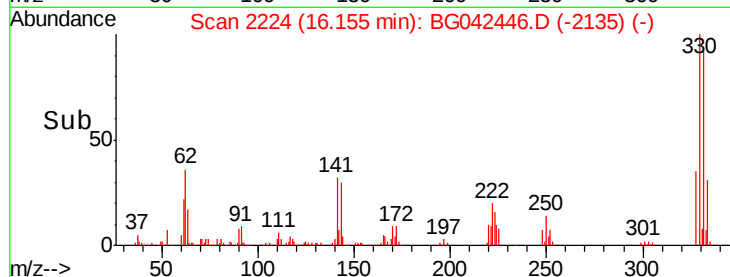
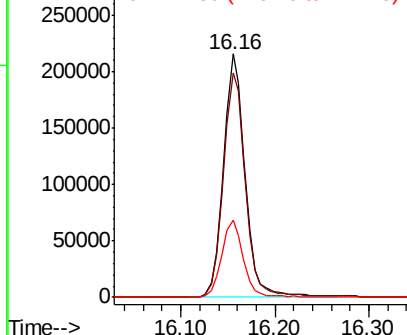


Abundance

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: 101.526 ng

RT: 13.28 min Scan# 1735

Delta R.T. 0.00 min

Lab File: BG042446.D

Acq: 23 Aug 2019 23:17

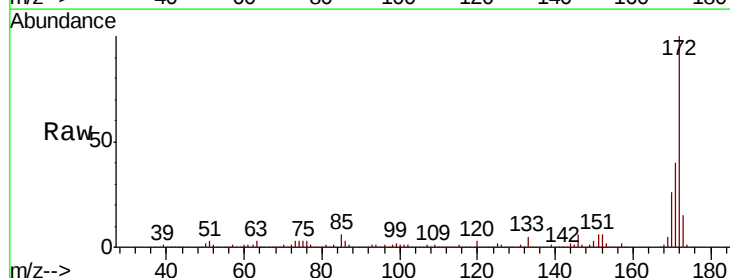
Tgt Ion:172 Resp: 1213692

Ion Ratio Lower Upper

172 100

171 39.8 30.5 45.7

170 26.2 20.2 30.2

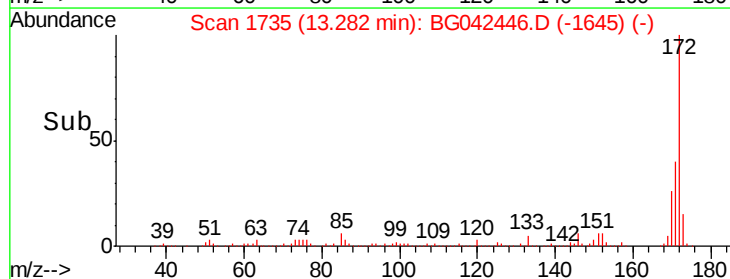
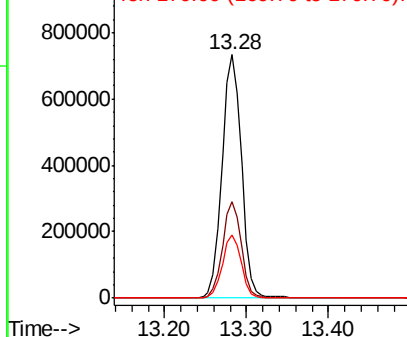


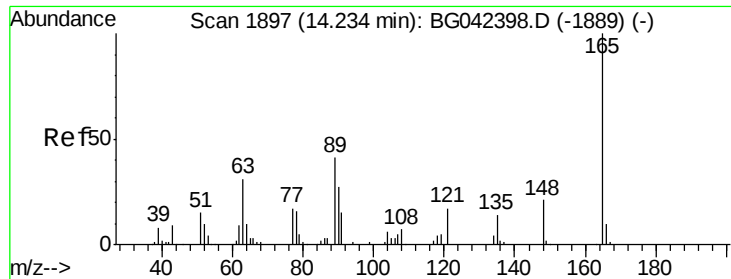
Abundance

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

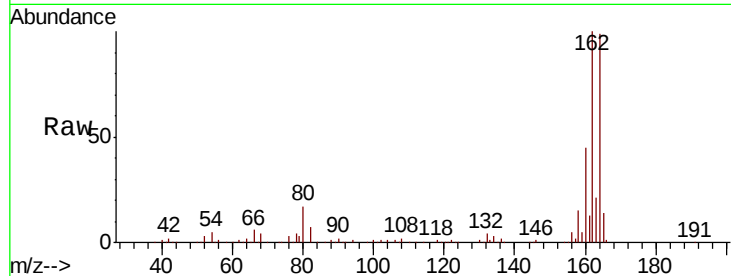




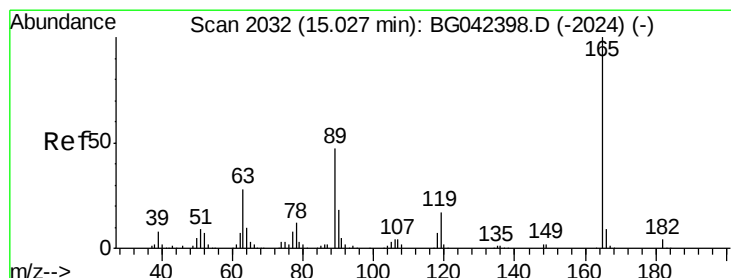
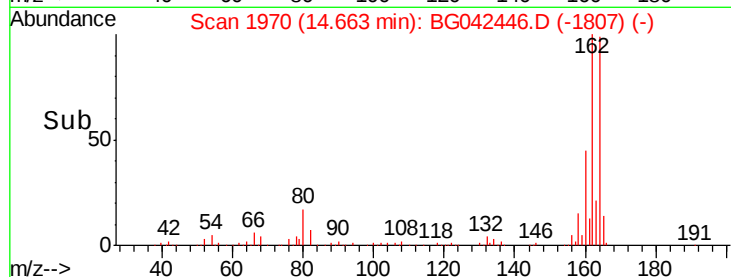
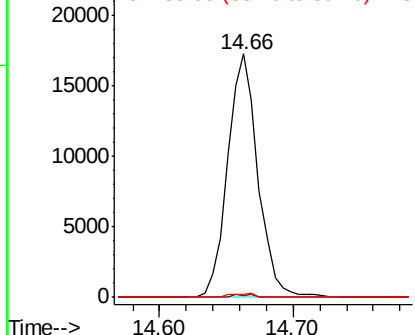
#51
 2,6-Dinitrotoluene
 Concen: 8.066 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042446.D
 Acq: 23 Aug 2019 23:17

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-MUD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	30.6	45.8#
89	1.2	32.6	49.0#

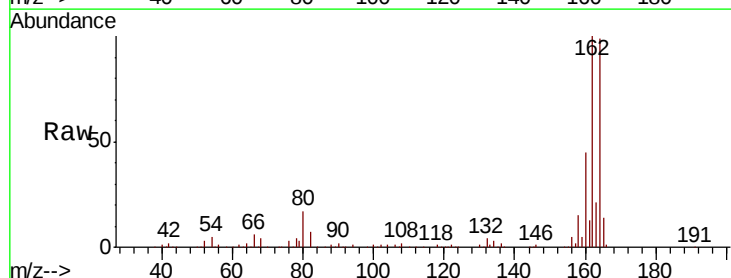


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

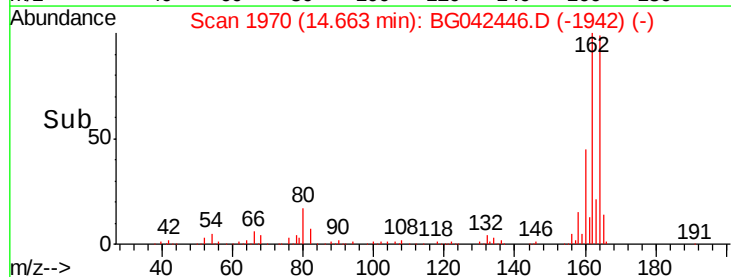
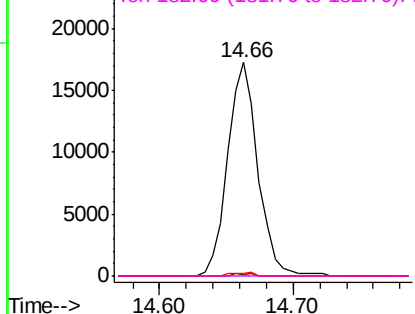


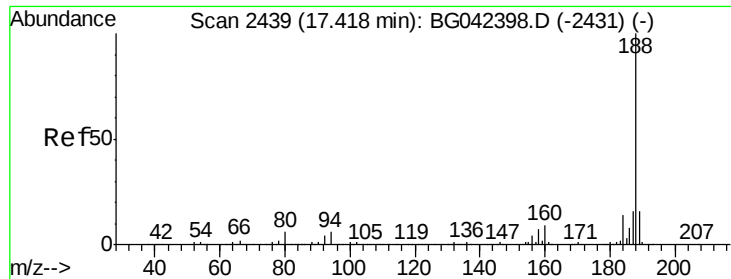
#57
 2,4-Dinitrotoluene
 Concen: 5.633 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042446.D
 Acq: 23 Aug 2019 23:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	22.5	33.7#
89	1.2	37.8	56.6#
182	0.0	3.0	4.4#



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: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042446.D

Acq: 23 Aug 2019 23:17

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-MUD

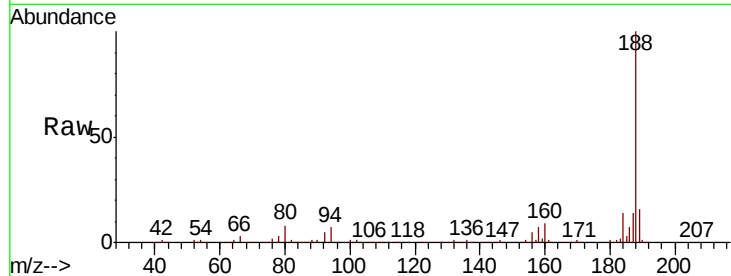
Tgt Ion:188 Resp: 432556

Ion Ratio Lower Upper

188 100

94 7.3 4.5 6.7#

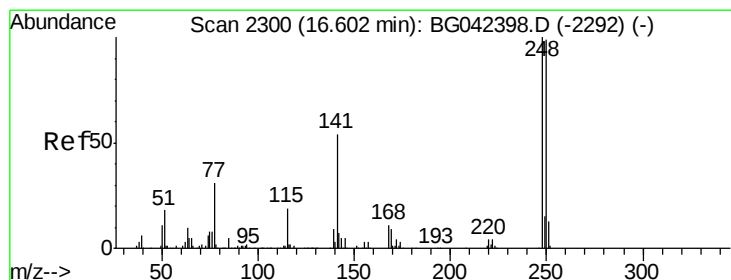
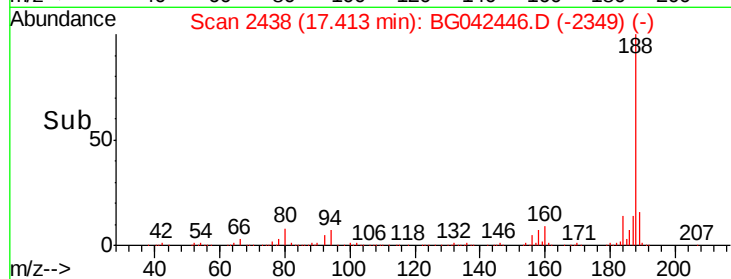
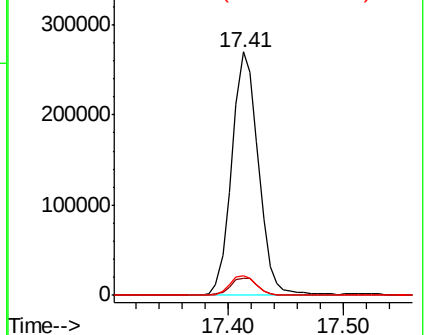
80 8.3 4.9 7.3#



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: 4.613 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042446.D

Acq: 23 Aug 2019 23:17

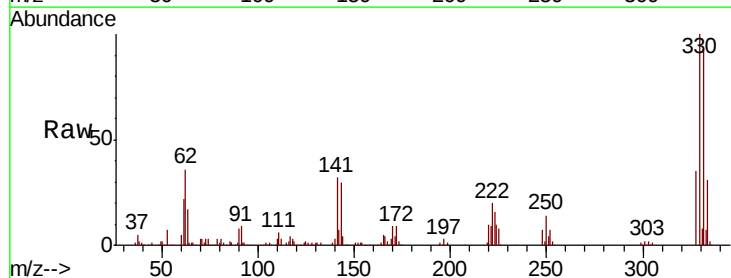
Tgt Ion:248 Resp: 25312

Ion Ratio Lower Upper

248 100

250 205.1 78.9 118.3#

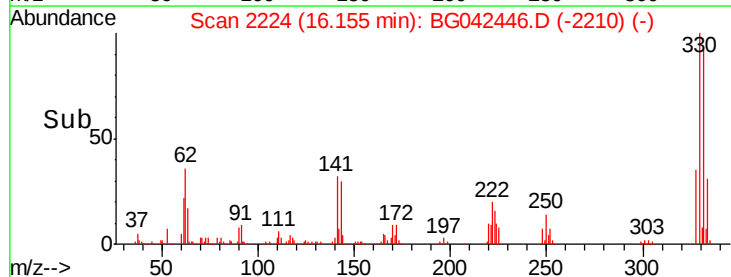
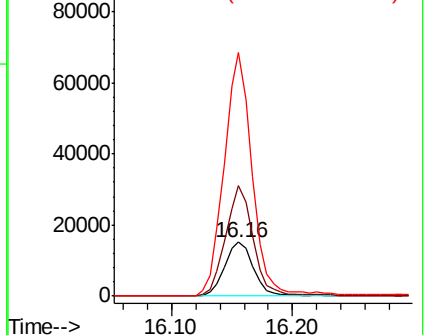
141 454.0 43.3 64.9#



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

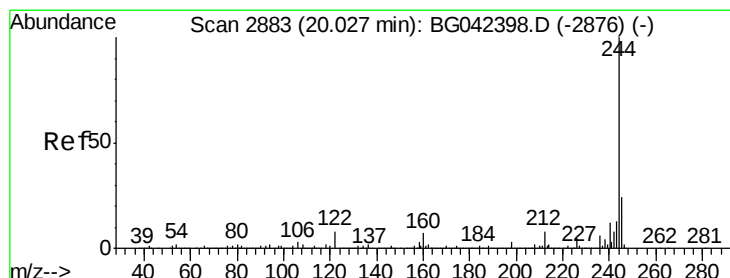
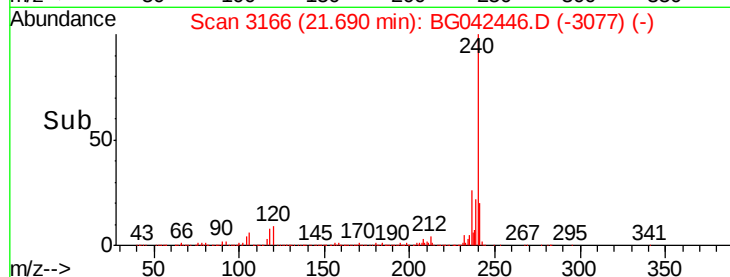
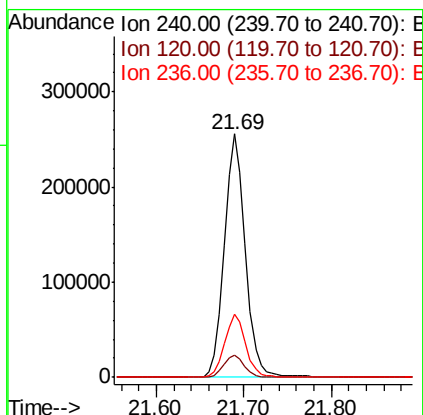
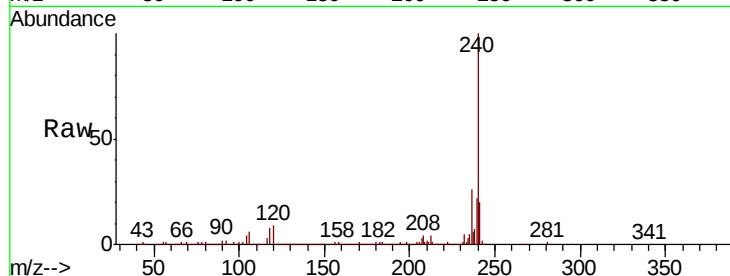




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042446.D
Acq: 23 Aug 2019 23:17

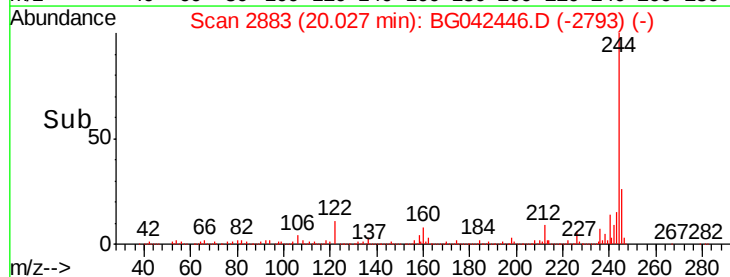
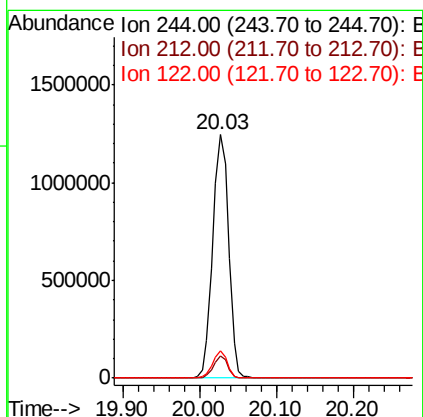
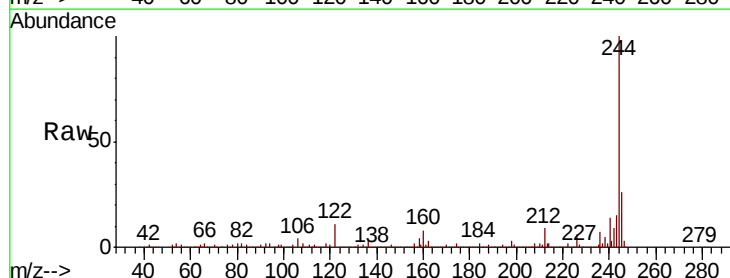
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-MUD

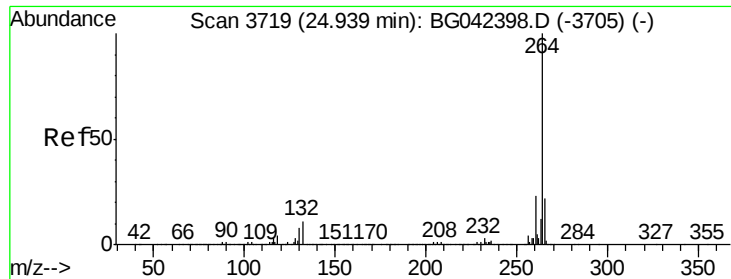
Tgt Ion:240 Resp: 423178
Ion Ratio Lower Upper
240 100
120 9.4 5.7 8.5#
236 26.2 21.0 31.4



#79
Terphenyl-d14
Concen: 90.533 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BG042446.D
Acq: 23 Aug 2019 23:17

Tgt Ion:244 Resp: 1772108
Ion Ratio Lower Upper
244 100
212 9.1 6.0 9.0#
122 11.3 6.7 10.1#





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG042446.D
Acq: 23 Aug 2019 23:17

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-MUD

Tgt Ion: 264 Resp: 494823
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 22.4 17.6 26.4

