

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
 Data File : BG043268.D
 Acq On : 17 Oct 2019 19:00
 Operator : JU
 Sample : K5407-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DEVELOPMENT-WATER

Quant Time: Oct 18 02:05:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

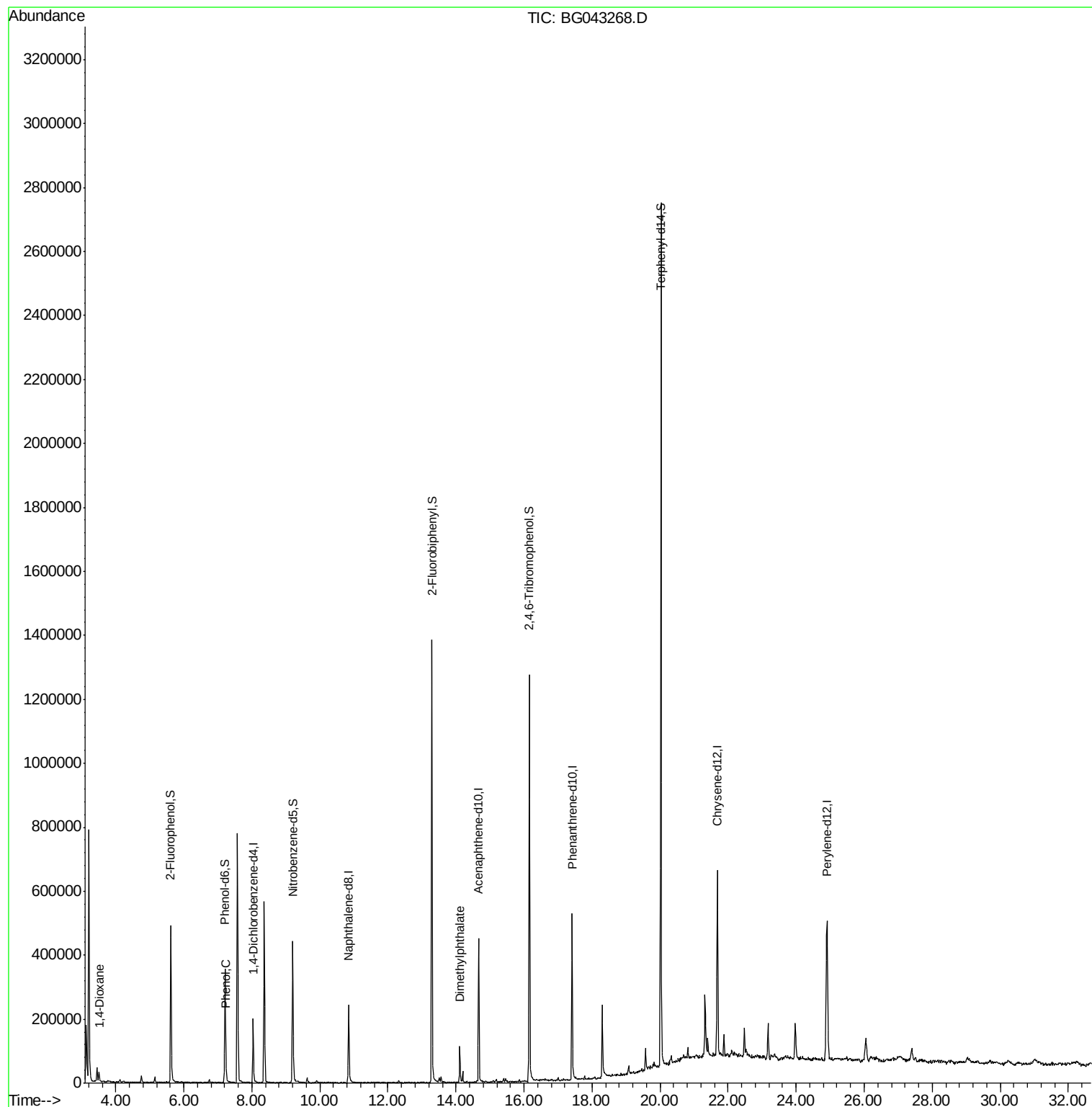
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	60407	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	235680	20.00	ng	-0.02
39) Acenaphthene-d10	14.67	164	168063	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	365467	20.00	ng	0.00
76) Chrysene-d12	21.68	240	394750	20.00	ng	0.00
87) Perylene-d12	24.91	264	469335	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	228903	67.63	ng	-0.02
7) Phenol-d6	7.21	99	221708	45.48	ng	-0.02
23) Nitrobenzene-d5	9.20	82	305368	62.98	ng	-0.02
42) 2,4,6-Tribromophenol	16.16	330	312006	107.96	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	799993	69.01	ng	-0.02
79) Terphenyl-d14	20.02	244	1417284	76.51	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.50	88	16053	11.375	ng	93
10) Phenol	7.24	94	14688	3.284	ng	97
50) Dimethylphthalate	14.11	163	78715	6.251	ng	98

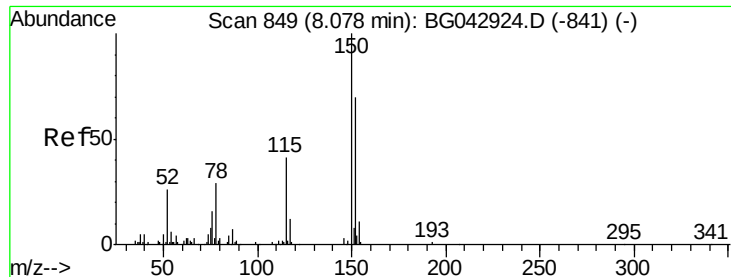
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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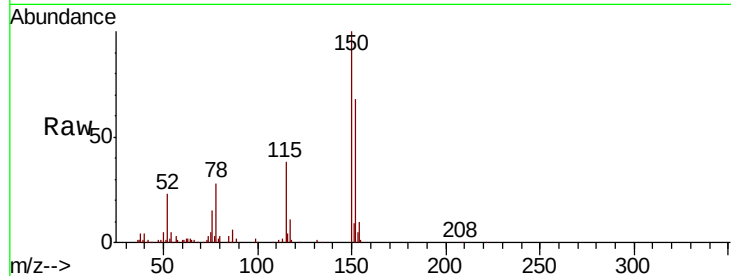


#1

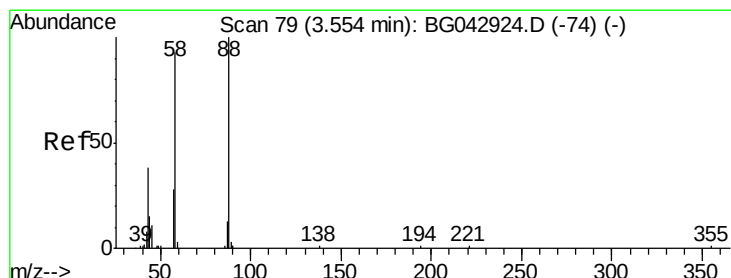
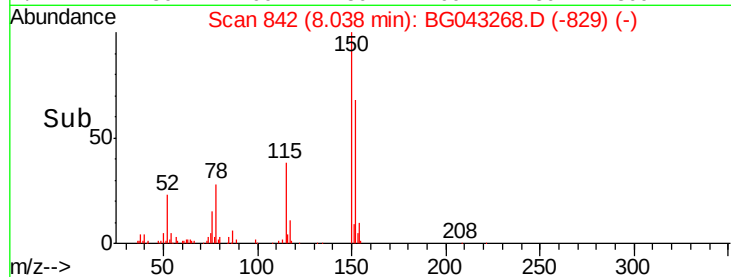
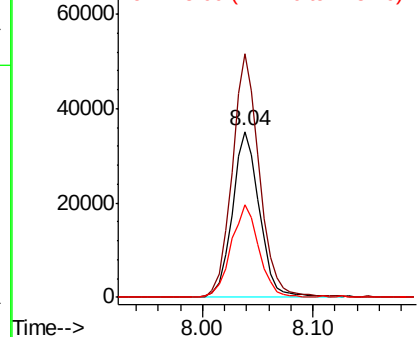
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043268.D
Acq: 17 Oct 2019 19:00

Instrument :
BNA_G
ClientSampleId :
DEVELOPMENT-WATER

Tot Ion	152	Resp	60407
Ion Ratio	Lower	Upper	
152	100		
150	146.8	115.0	172.4
115	56.1	47.0	70.6



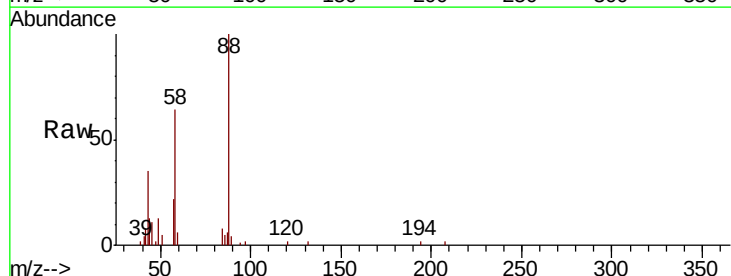
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



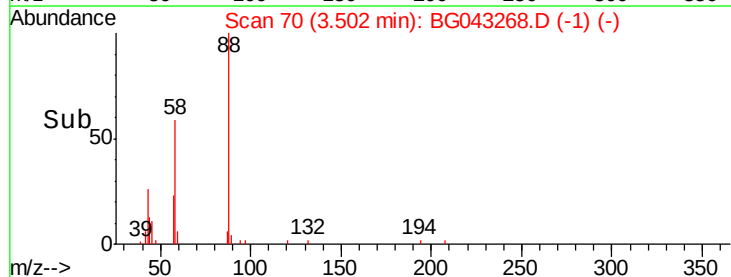
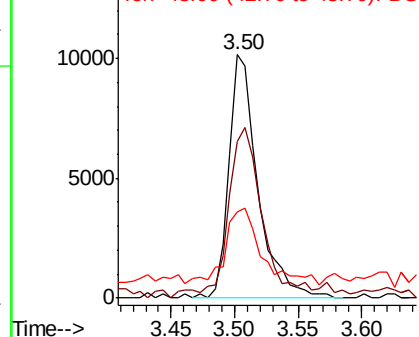
#2

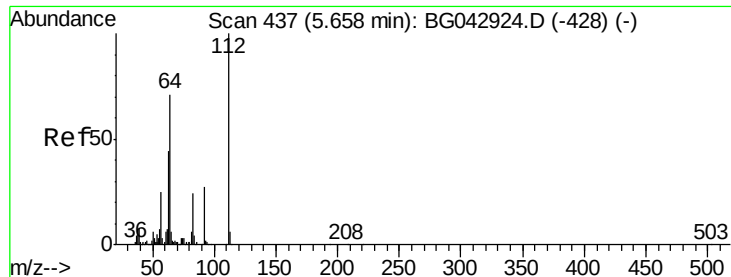
1,4-Dioxane
Concen: 11.375 ng
RT: 3.50 min Scan# 70
Delta R.T. -0.03 min
Lab File: BG043268.D
Acq: 17 Oct 2019 19:00

Tgt Ion	88	Resp	16053
Ion Ratio	Lower	Upper	
88	100		
58	83.6	74.3	111.5
43	38.4	29.8	44.8



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: 67.625 ng

RT: 5.62 min Scan# 430

Delta R.T. -0.02 min

Lab File: BG043268.D

Acq: 17 Oct 2019 19:00

Instrument :

BNA_G

ClientSampleId :

DEVELOPMENT-WATER

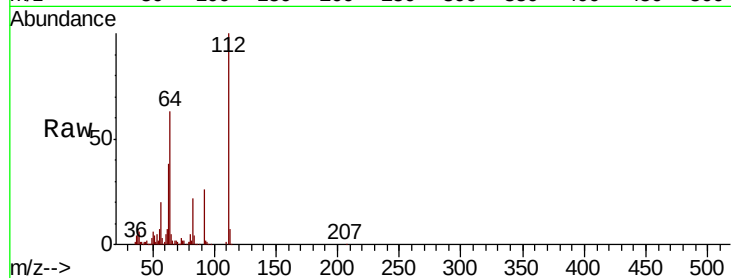
Tot Ion:112 Resp: 228903

Ion Ratio Lower Upper

112 100

64 62.6 56.6 84.8

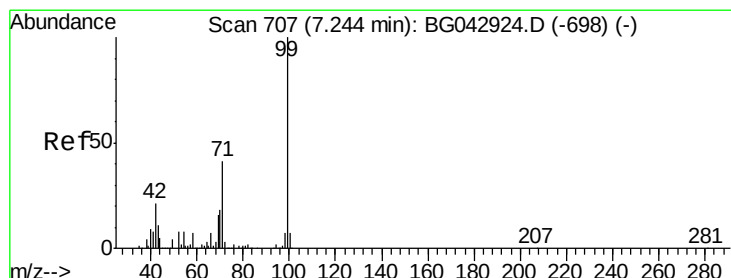
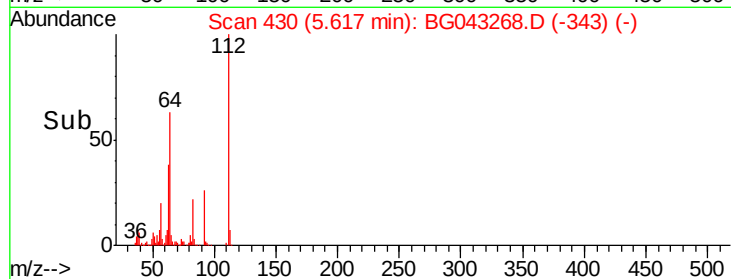
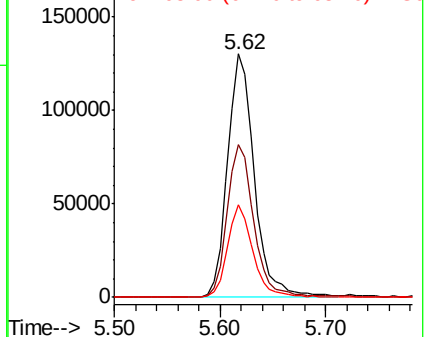
63 38.0 35.1 52.7



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: 45.484 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG043268.D

Acq: 17 Oct 2019 19:00

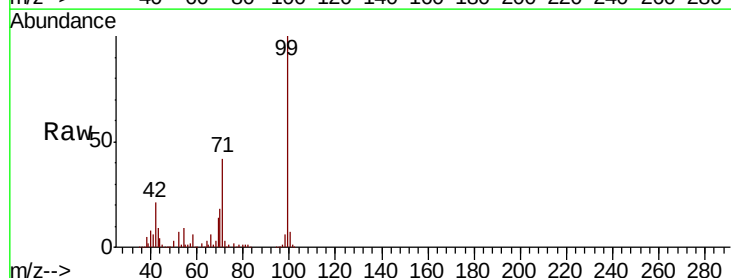
Tgt Ion: 99 Resp: 221708

Ion Ratio Lower Upper

99 100

42 20.6 17.2 25.8

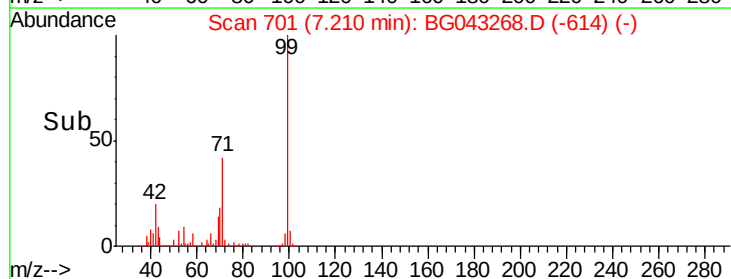
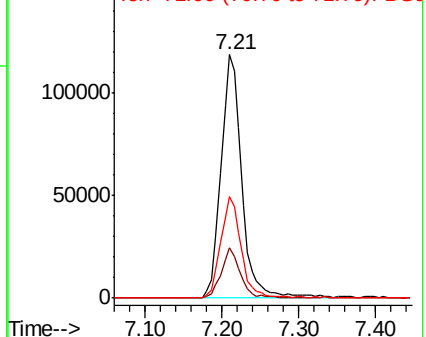
71 41.6 33.1 49.7

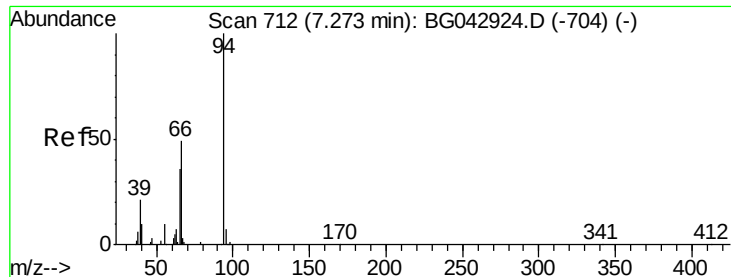


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

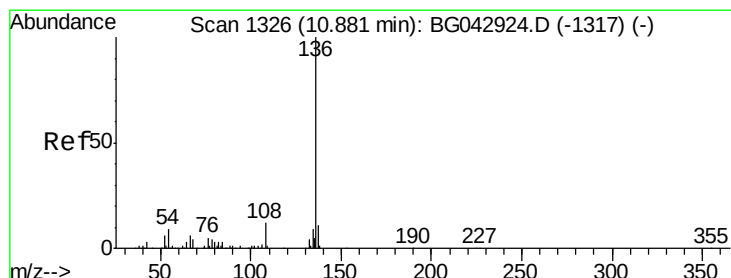
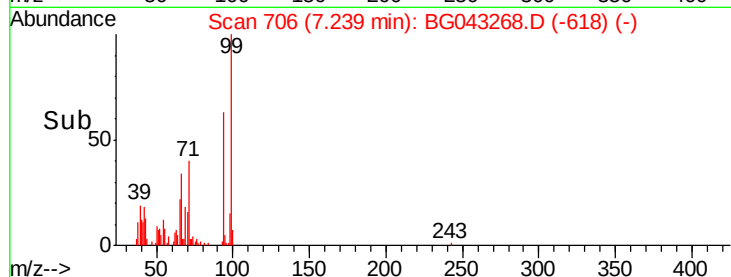
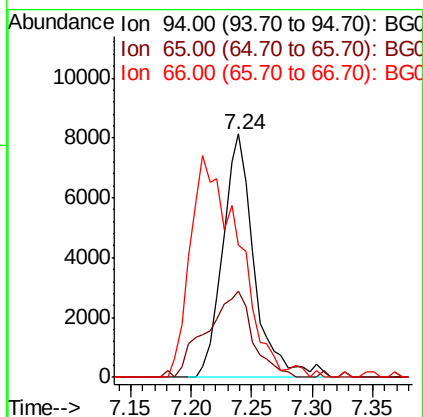
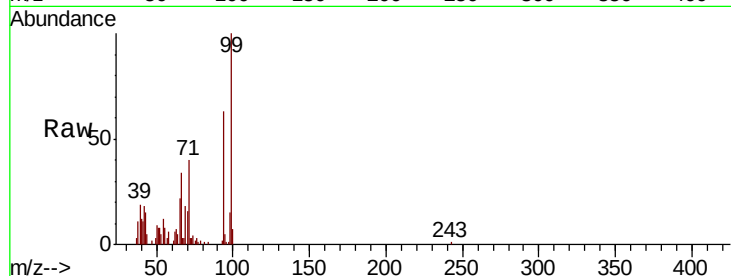




#10
Phenol
Concen: 3.284 ng
RT: 7.24 min Scan# 706
Delta R.T. -0.02 min
Lab File: BG043268.D
Acq: 17 Oct 2019 19:00

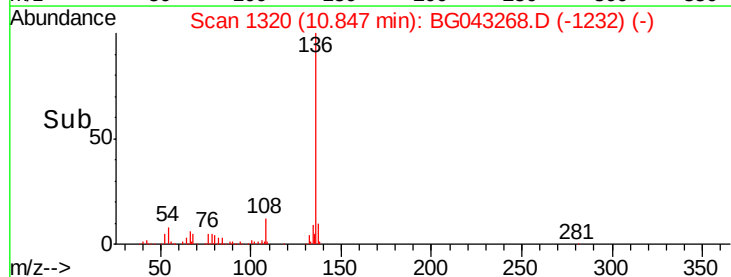
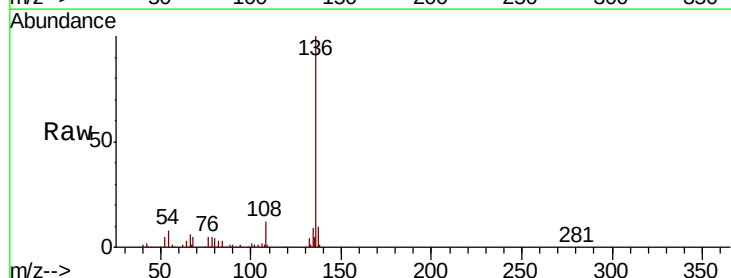
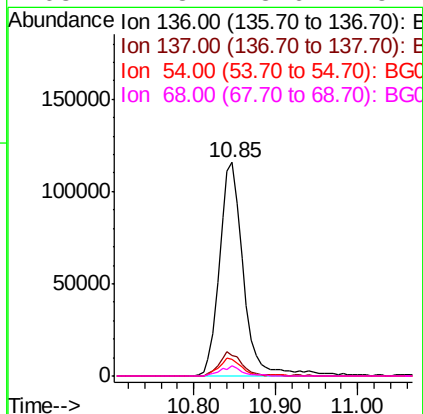
Instrument :
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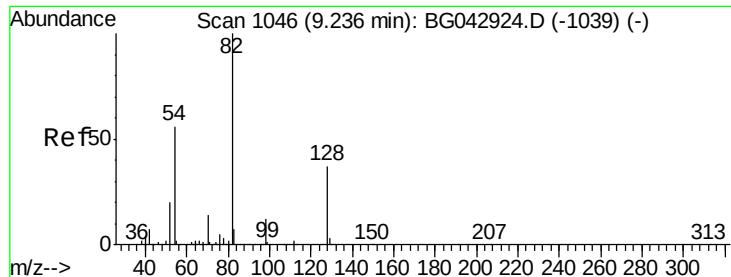
Tot Ion: 94 Resp: 14688
Ion Ratio Lower Upper
94 100
65 35.4 16.6 56.6
66 54.4 32.4 72.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043268.D
Acq: 17 Oct 2019 19:00

Tgt Ion: 136 Resp: 235680
Ion Ratio Lower Upper
136 100
137 9.9 8.5 12.7
54 7.5 7.4 11.2
68 4.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 62.977 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BG043268.D

Acq: 17 Oct 2019 19:00

Instrument :

BNA_G

ClientSampleId :

DEVELOPMENT-WATER

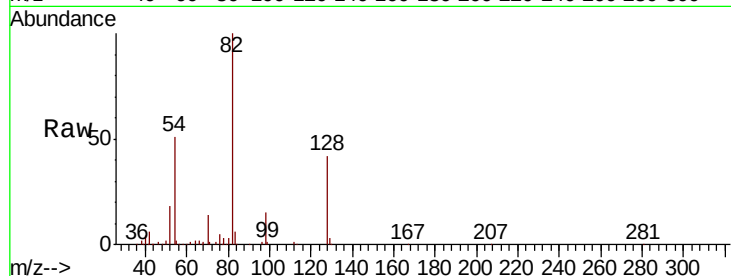
Tot Ion: 82 Resp: 305368

Ion Ratio Lower Upper

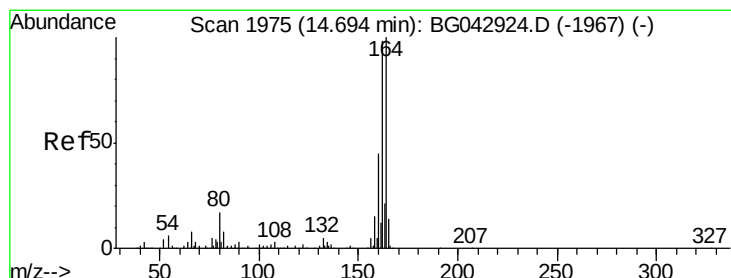
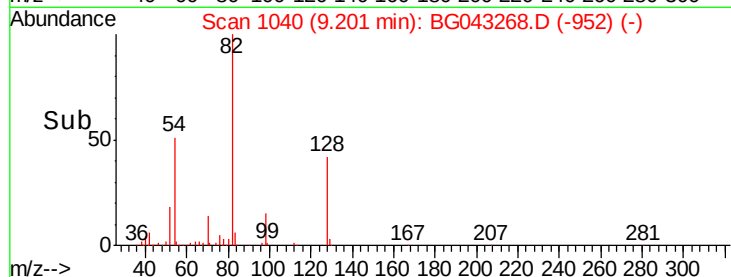
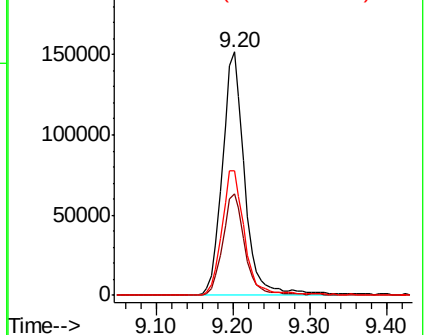
82 100

128 41.8 29.5 44.3

54 51.3 44.6 67.0



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.02 min

Lab File: BG043268.D

Acq: 17 Oct 2019 19:00

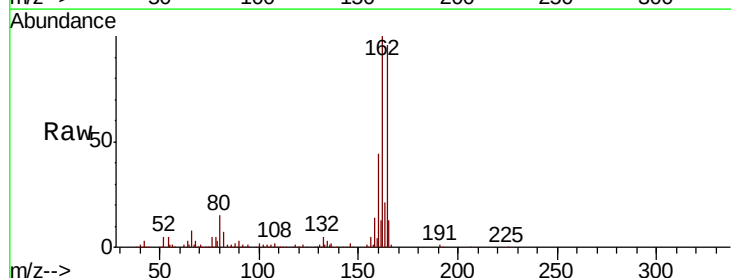
Tgt Ion: 164 Resp: 168063

Ion Ratio Lower Upper

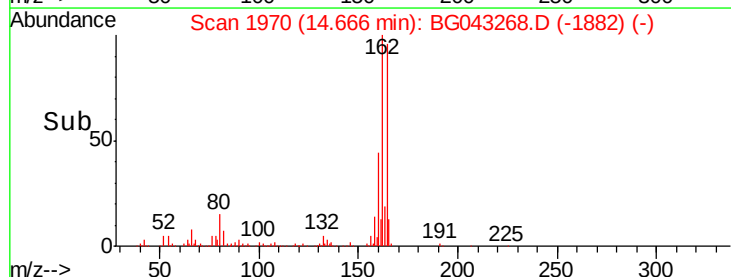
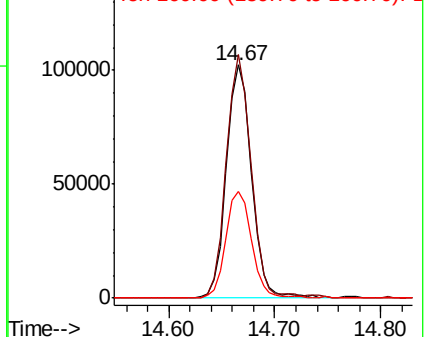
164 100

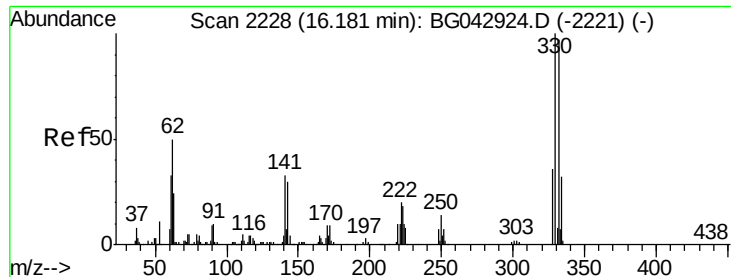
162 104.5 78.5 117.7

160 46.1 35.9 53.9



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





#42

2,4,6-Tribromophenol

Concen: 107.962 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG043268.D

Acq: 17 Oct 2019 19:00

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DEVELOPMENT-WATER

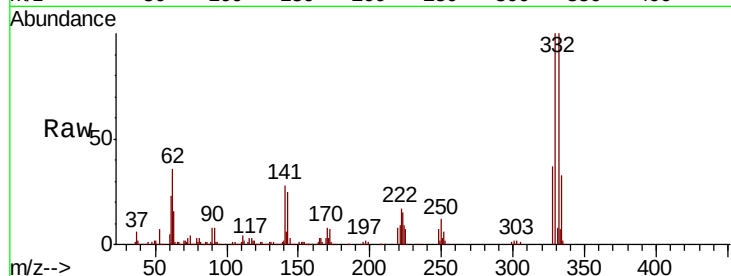
Tot Ion:330 Resp: 312006

Ion Ratio Lower Upper

330 100

332 94.8 78.2 117.2

141 28.1 26.0 39.0

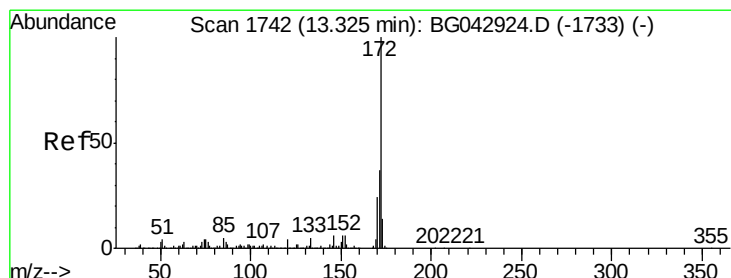
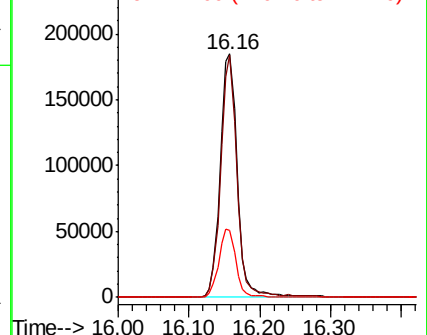
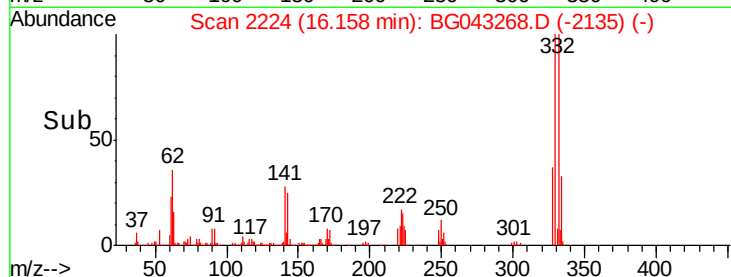


Abundance

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: 69.007 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.02 min

Lab File: BG043268.D

Acq: 17 Oct 2019 19:00

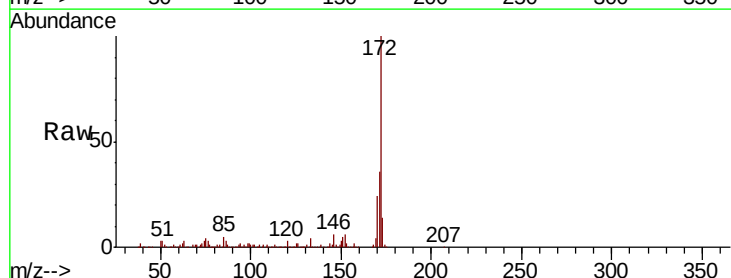
Tgt Ion:172 Resp: 799993

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

170 24.1 19.6 29.4

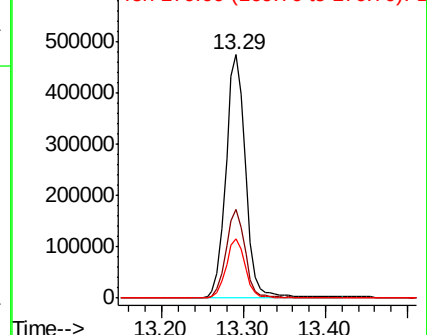
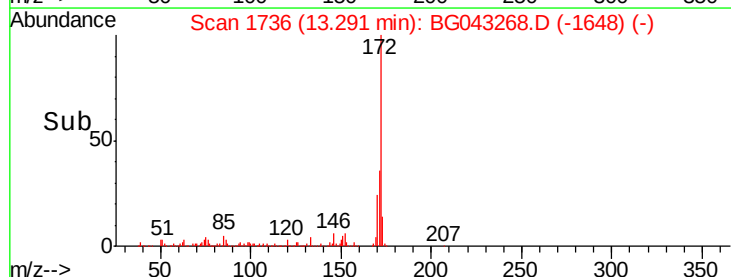


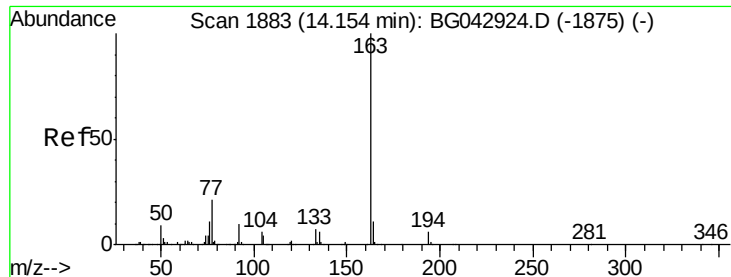
Abundance

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: 6.251 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BG043268.D

Acq: 17 Oct 2019 19:00

Instrument :

BNA_G

ClientSampleId :

DEVELOPMENT-WATER

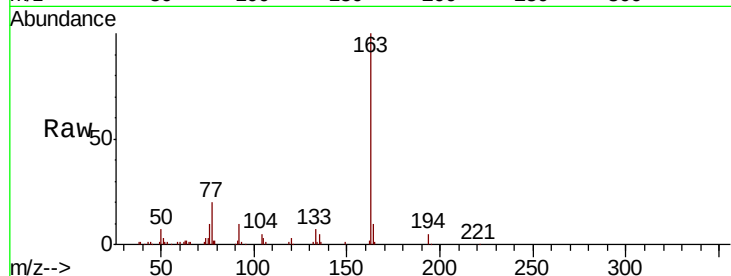
Tot Ion:163 Resp: 78715

Ion Ratio Lower Upper

163 100

194 5.0 4.4 6.6

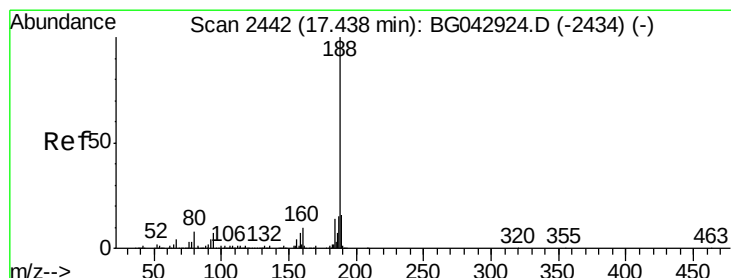
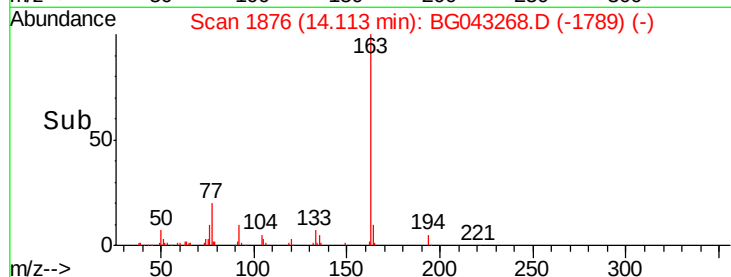
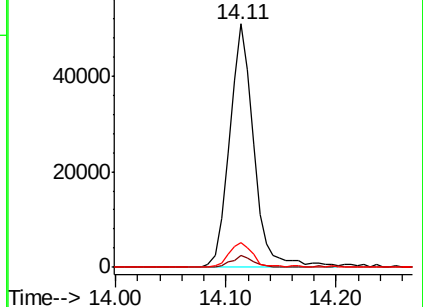
164 10.0 8.6 12.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG043268.D

Acq: 17 Oct 2019 19:00

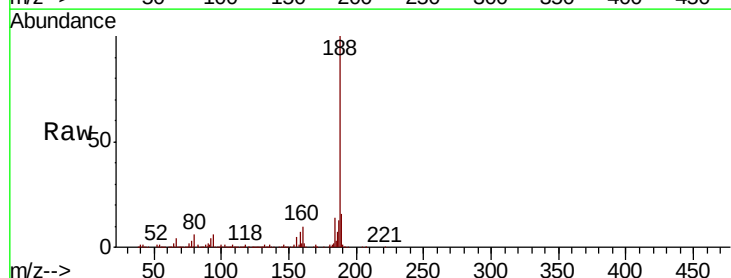
Tgt Ion:188 Resp: 365467

Ion Ratio Lower Upper

188 100

94 6.2 5.7 8.5

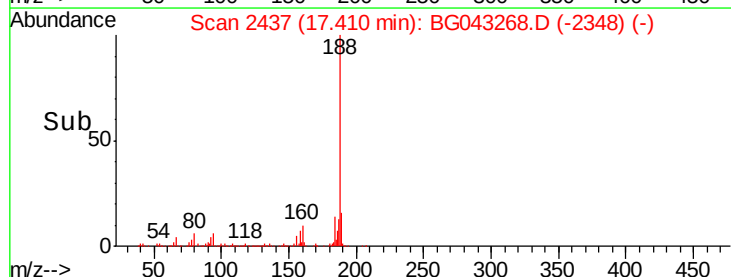
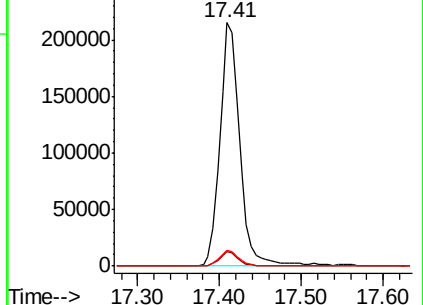
80 6.4 6.5 9.7#

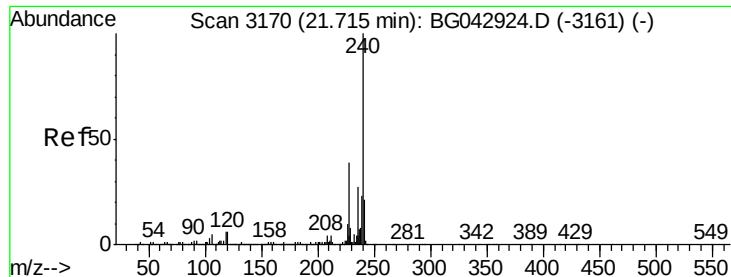


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

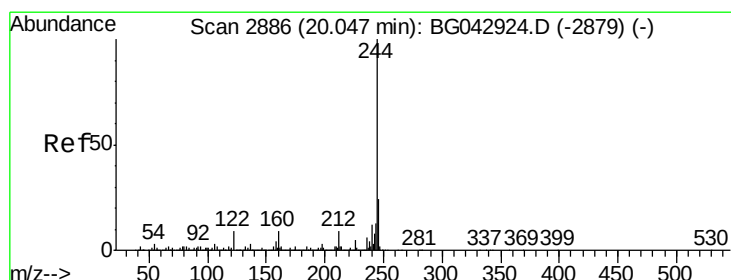
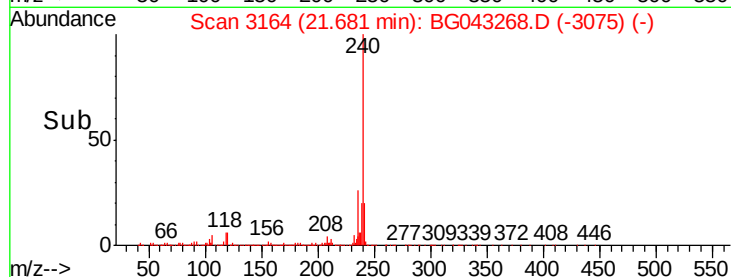
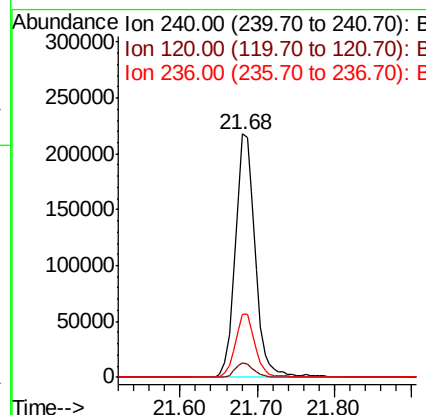
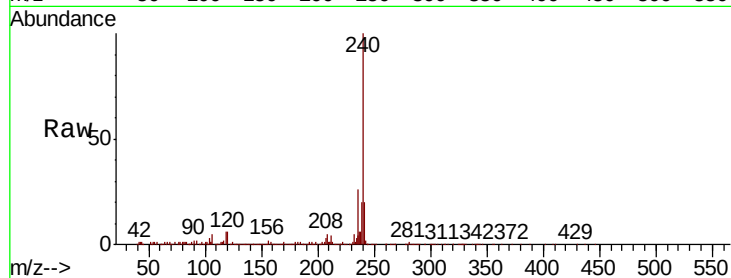




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG043268.D
Acq: 17 Oct 2019 19:00

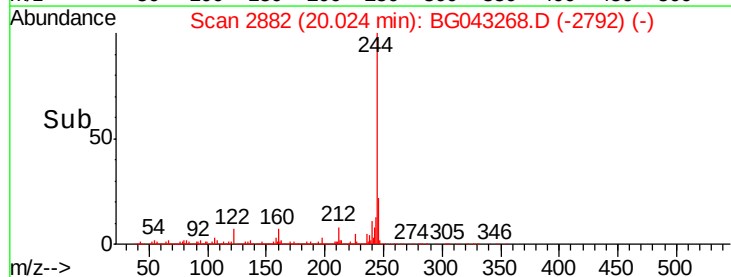
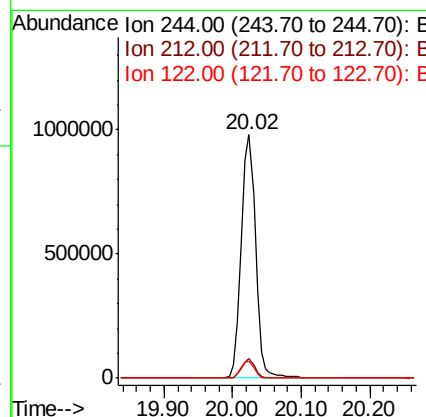
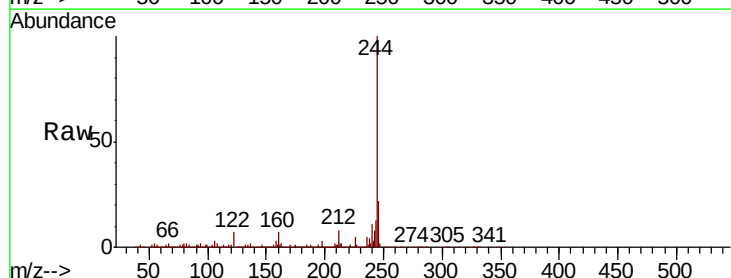
Instrument :
BNA_G
ClientSampleId :
DEVELOPMENT-WATER

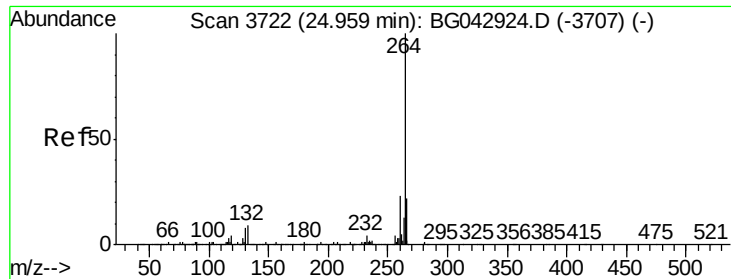
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.8	7.2
236	25.9	21.4	32.0



#79
Terphenyl-d14
Concen: 76.506 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BG043268.D
Acq: 17 Oct 2019 19:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.4	11.0
122	7.1	7.0	10.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3713
Delta R.T. -0.00 min
Lab File: BG043268.D
Acq: 17 Oct 2019 19:00

Instrument :
BNA_G
ClientSampleId :
DEVELOPMENT-WATER

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	20.9	17.7	26.5

