

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082919\
 Data File : BG042584.D
 Acq On : 30 Aug 2019 3:14
 Operator : HP/JU
 Sample : K4567-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-7-GW

Quant Time: Aug 30 05:38:37 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	34589	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	138259	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	104225	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	238387	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	257428	20.00	ng	-0.01
87) Perylene-d12	24.93	264	305382	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	9465	5.54	ng	0.00
7) Phenol-d6	7.17	99	8494	3.68	ng	0.00
23) Nitrobenzene-d5	9.17	82	53171	26.58	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	14209	9.59	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	173555	28.16	ng	0.00
79) Terphenyl-d14	20.02	244	334334	28.08	ng	0.00

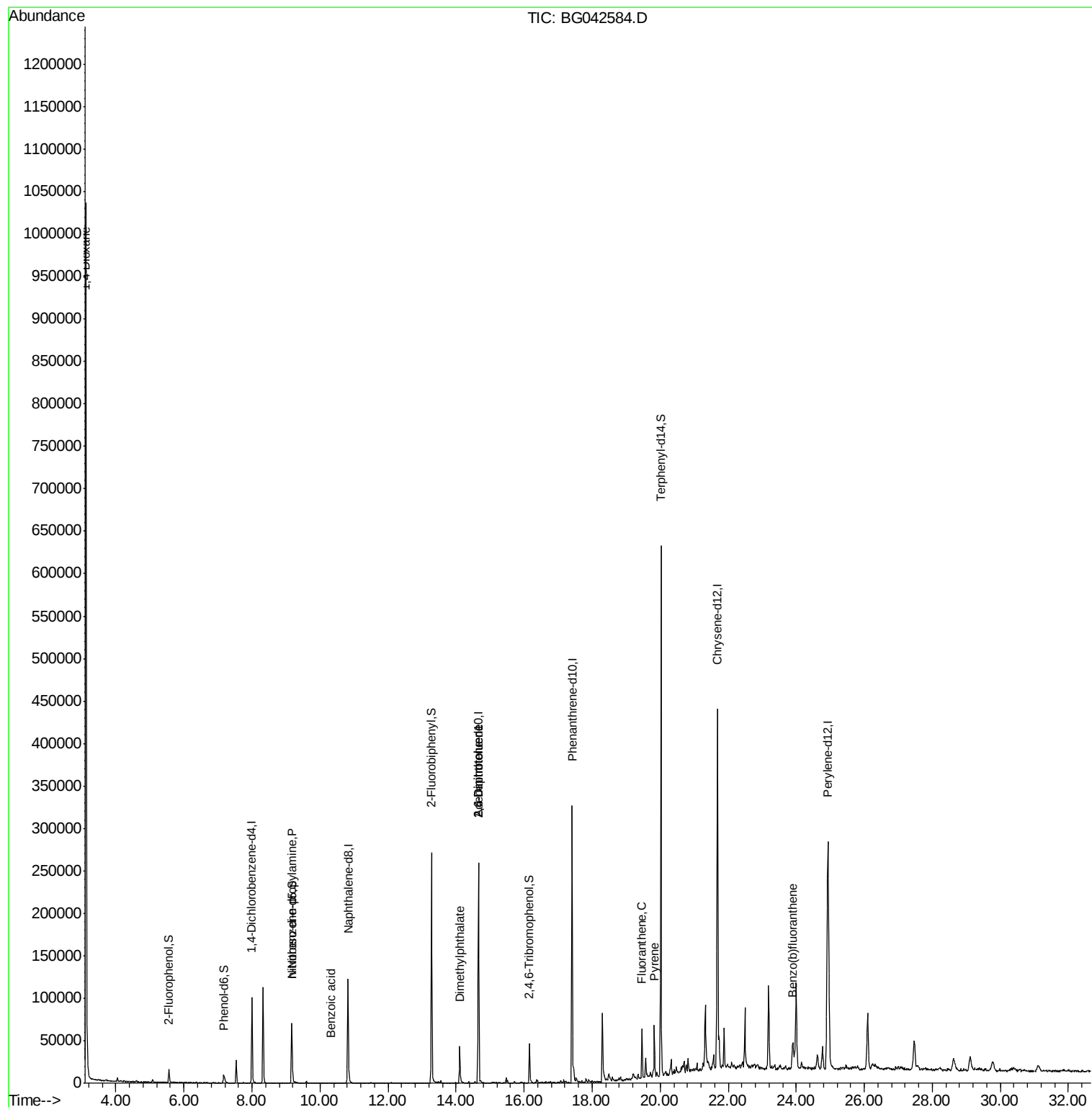
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	9529	13.370	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	6621	4.430	ng	# 77
32) Benzoic acid	10.33	122	63	8.211	ng	# 1
50) Dimethylphthalate	14.10	163	41040	5.457	ng	98
51) 2,6-Dinitrotoluene	14.66	165	12569	7.211	ng	# 36
57) 2,4-Dinitrotoluene	14.66	165	12569	5.035	ng	# 38
75) Fluoranthene	19.46	202	42494	2.941	ng	93
78) Pyrene	19.83	202	42335	2.682	ng	97
88) Benzo(b)fluoranthene	23.90	252	43246	2.576	ng	99

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

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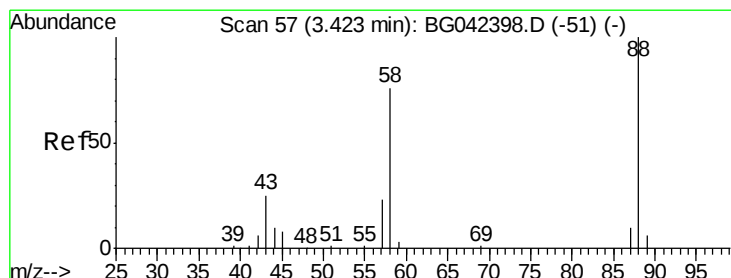
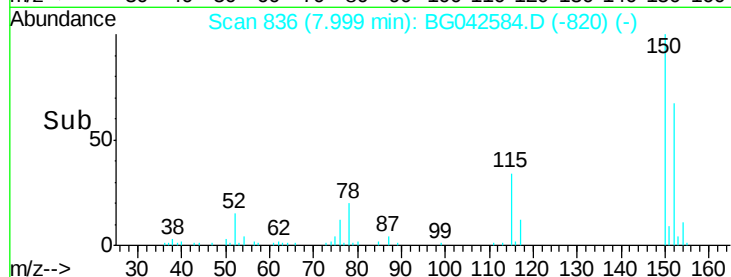
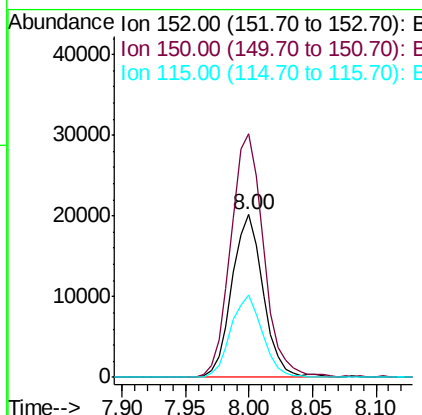
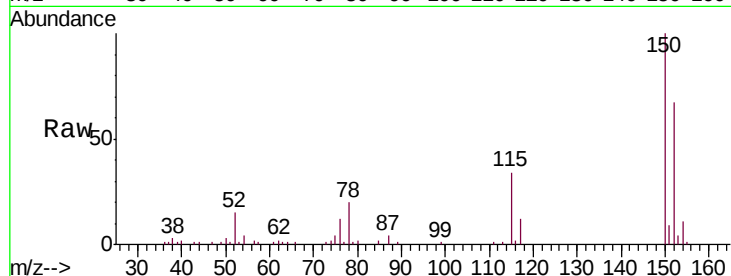


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG042584.D
Acq: 30 Aug 2019 3:14

Instrument :
BNA_G
ClientSampleId :
TP-7-GW

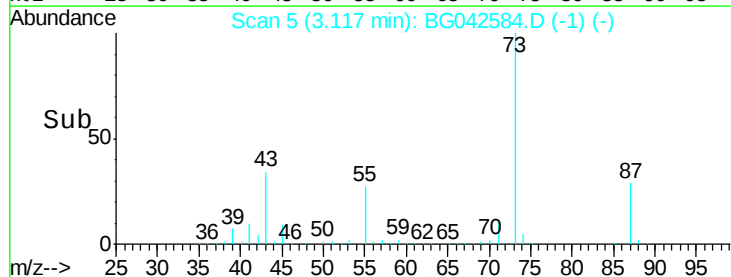
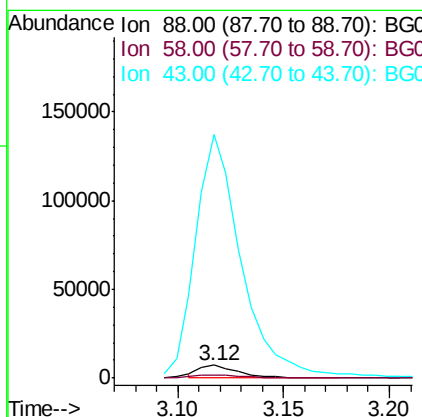
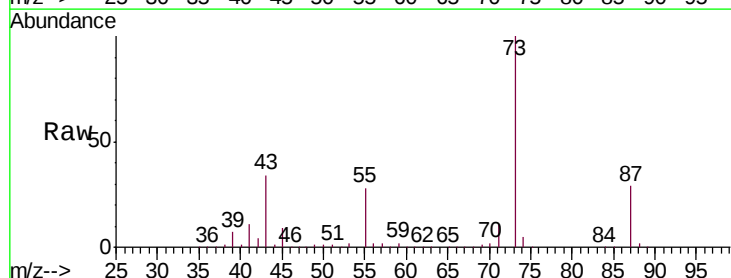
Tgt Ion:152 Resp: 34589
Ion Ratio Lower Upper
152 100
150 149.8 125.4 188.0
115 50.8 38.5 57.7

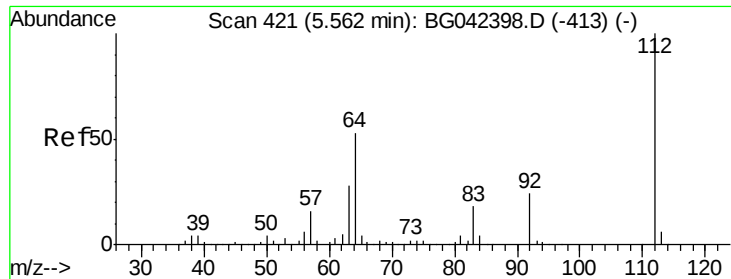


#2

1,4-Dioxane
Concen: 13.370 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.31 min
Lab File: BG042584.D
Acq: 30 Aug 2019 3:14

Tgt Ion: 88 Resp: 9529
Ion Ratio Lower Upper
88 100
58 20.2 58.3 87.5#
43 1958.3 20.2 30.2#





#5

2-Fluorophenol

Concen: 5.542 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.01 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

Instrument :

BNA_G

ClientSampleId :

TP-7-GW

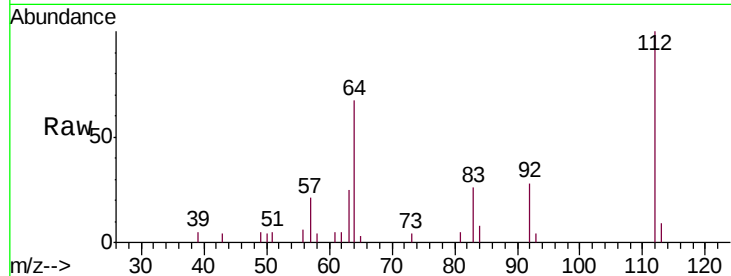
Tgt Ion: 112 Resp: 9465

Ion Ratio Lower Upper

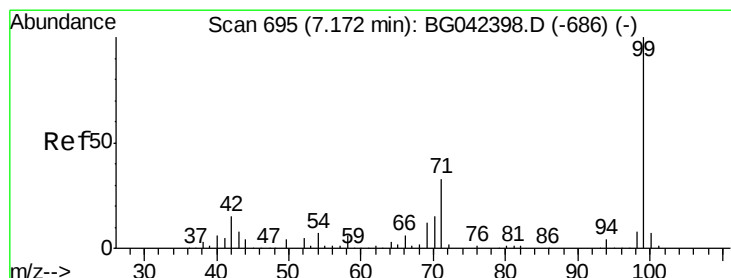
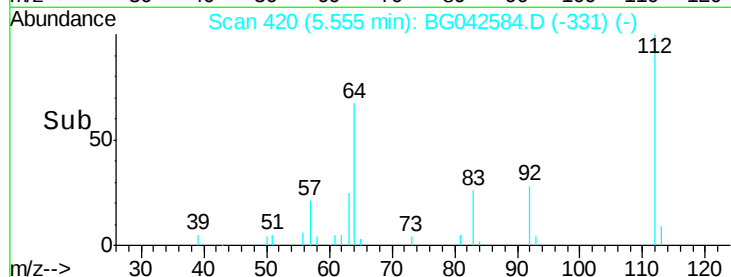
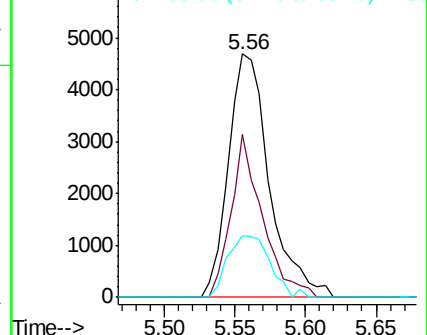
112 100

64 66.8 42.8 64.2#

63 25.2 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: 3.682 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

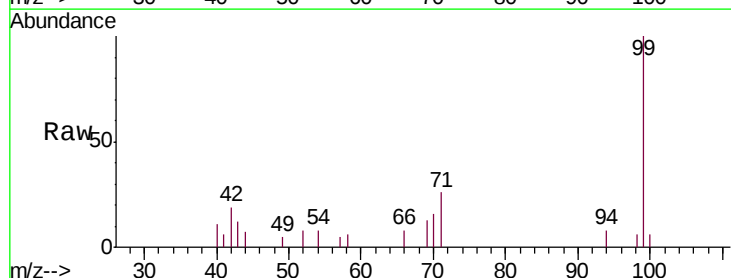
Tgt Ion: 99 Resp: 8494

Ion Ratio Lower Upper

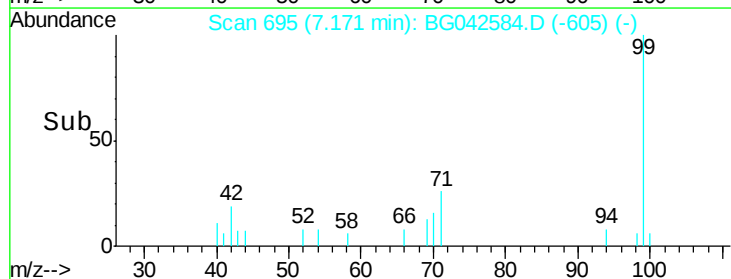
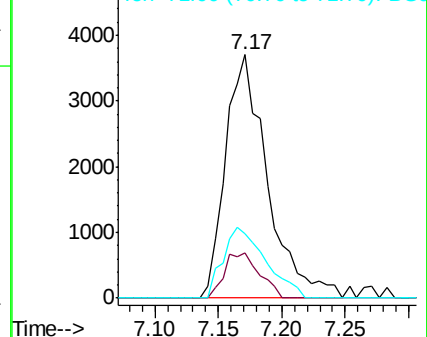
99 100

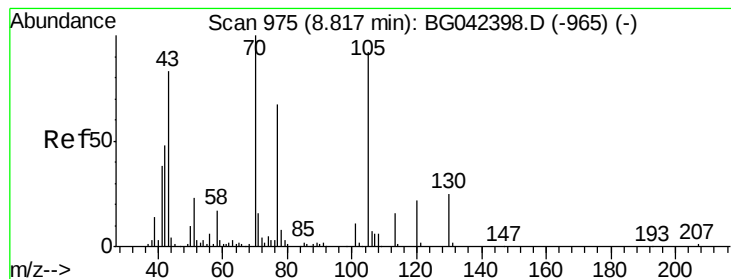
42 18.5 12.0 18.0#

71 26.3 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: 4.430 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

Instrument :

BNA_G

ClientSampleId :

TP-7-GW

Tgt Ion: 70 Resp: 6621

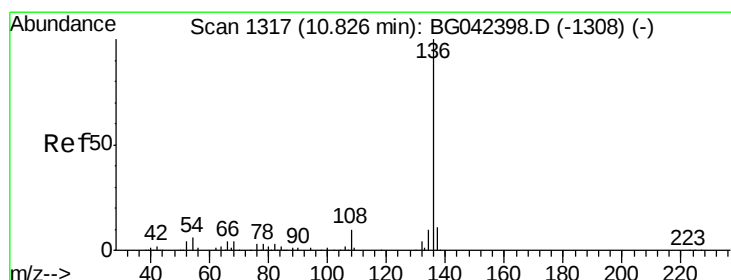
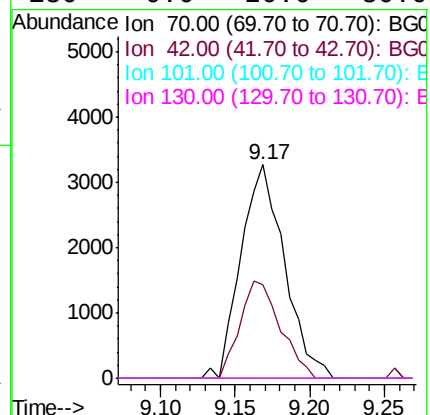
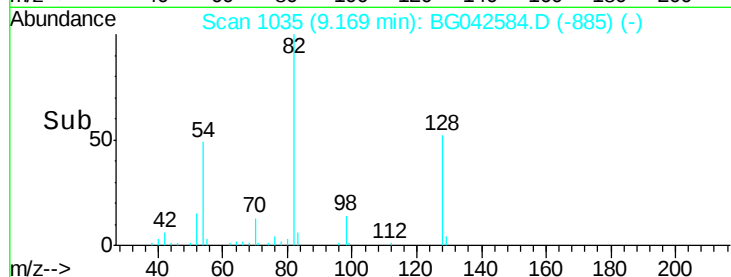
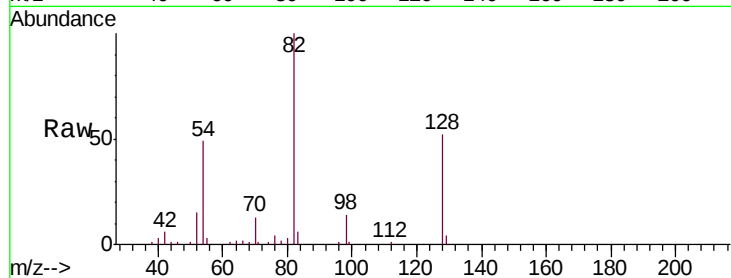
Ion Ratio Lower Upper

70 100

42 43.8 38.8 58.2

101 0.0 9.0 13.6#

130 0.0 20.0 30.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

Tgt Ion: 136 Resp: 138259

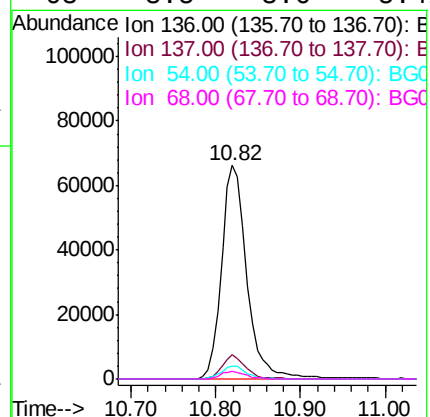
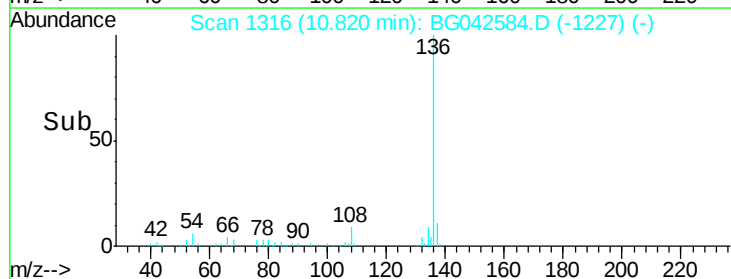
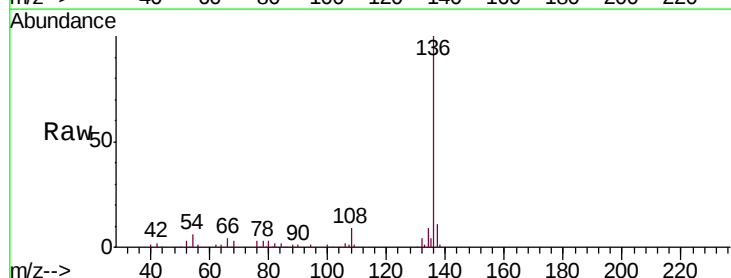
Ion Ratio Lower Upper

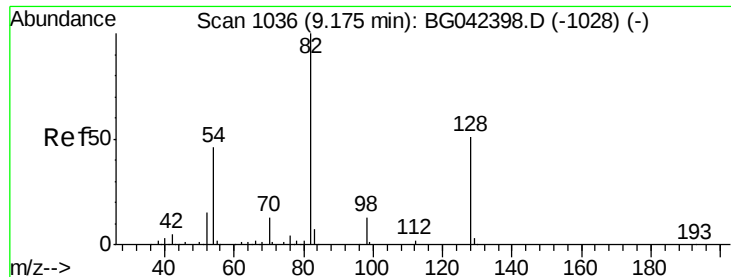
136 100

137 11.1 8.7 13.1

54 5.8 4.9 7.3

68 3.5 3.6 5.4#

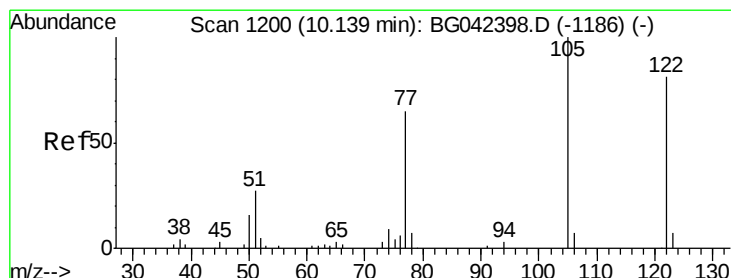
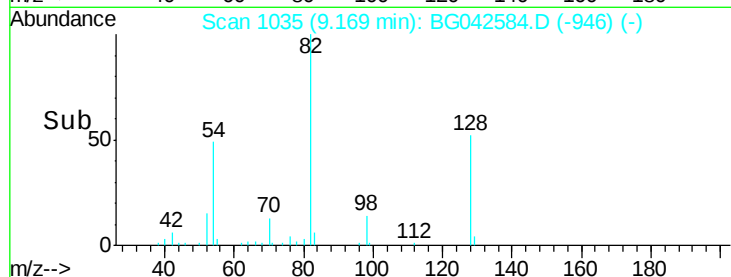
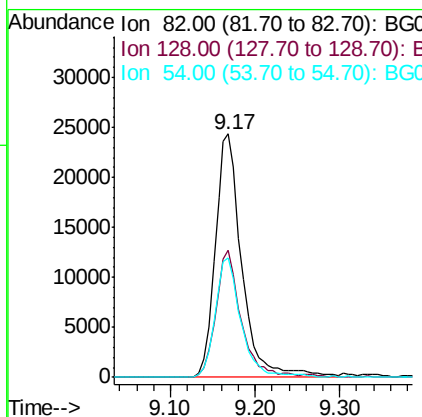
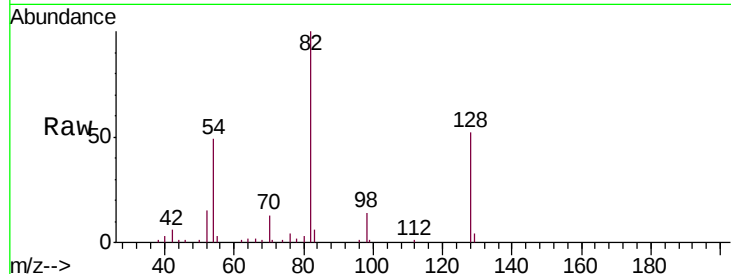




#23
 Nitrobenzene-d5
 Concen: 26.576 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG042584.D
 Acq: 30 Aug 2019 3:14

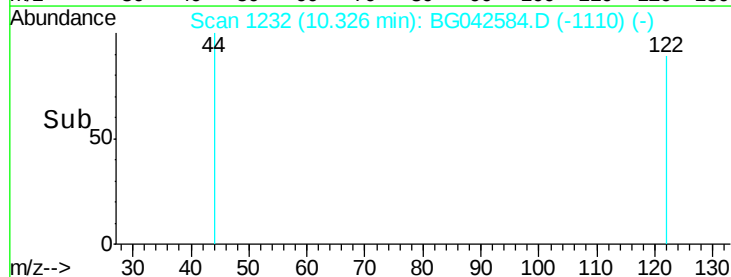
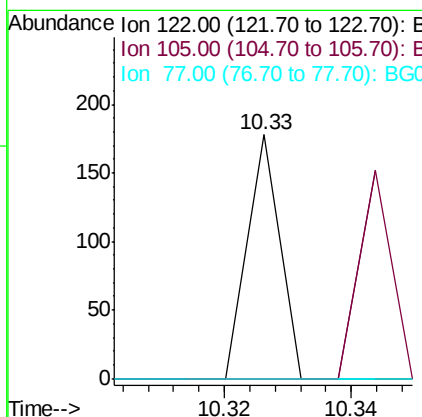
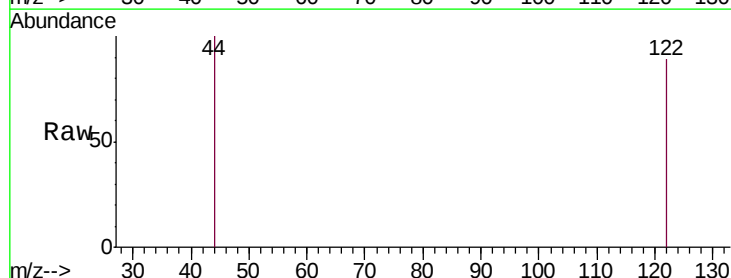
Instrument :
 BNA_G
 ClientSampleId :
 TP-7-GW

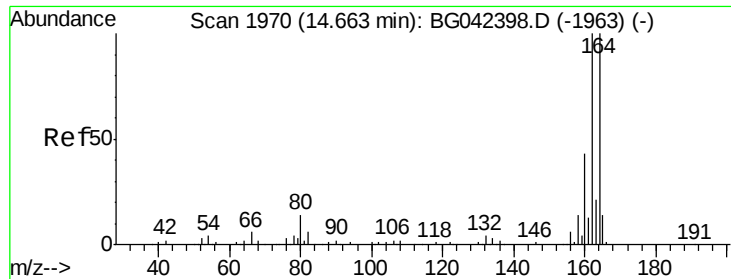
Tgt Ion: 82 Resp: 53171
 Ion Ratio Lower Upper
 82 100
 128 52.2 40.7 61.1
 54 48.9 36.3 54.5



#32
 Benzoic acid
 Concen: 8.211 ng
 RT: 10.33 min Scan# 1232
 Delta R.T. 0.19 min
 Lab File: BG042584.D
 Acq: 30 Aug 2019 3:14

Tgt Ion: 122 Resp: 63
 Ion Ratio Lower Upper
 122 100
 105 0.0 99.6 139.6#
 77 0.0 59.5 99.5#

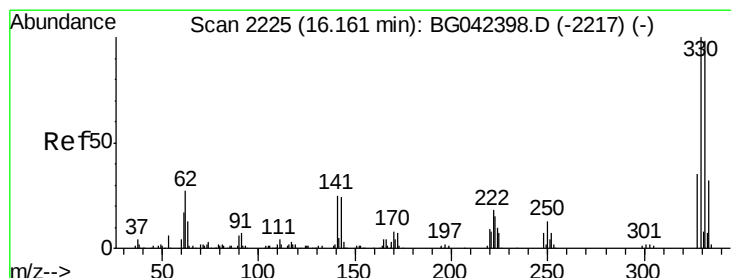
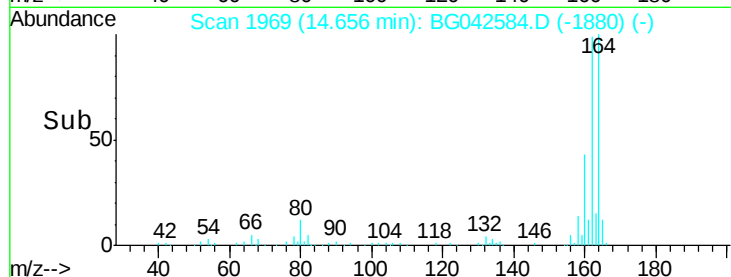
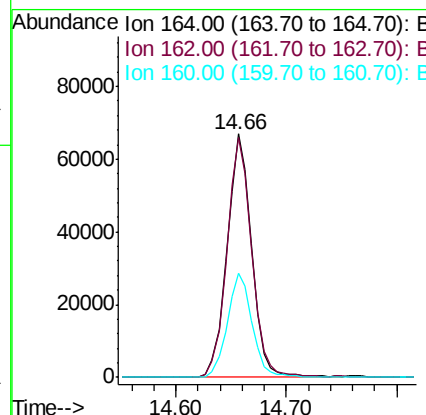
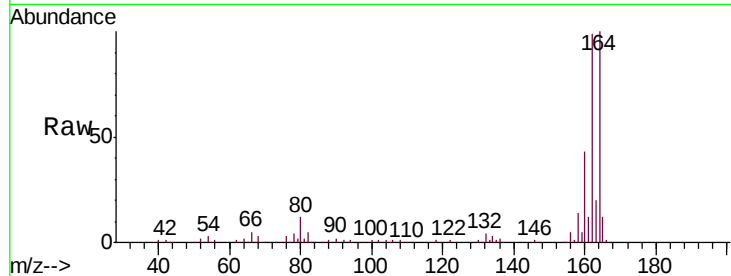




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042584.D
Acq: 30 Aug 2019 3:14

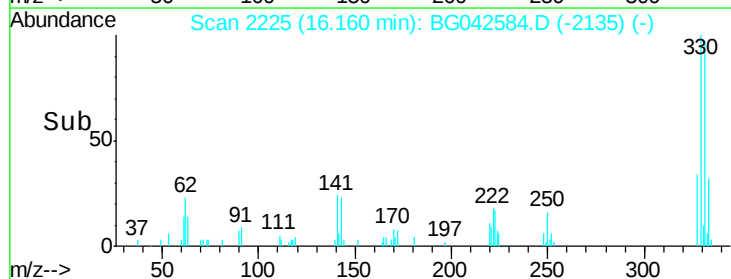
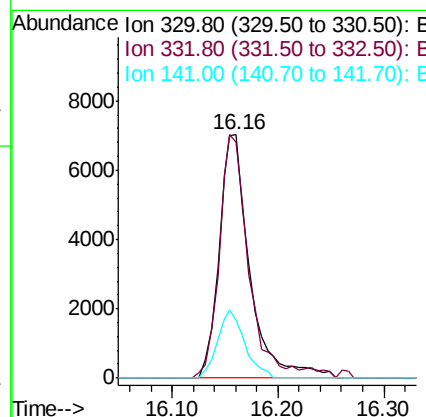
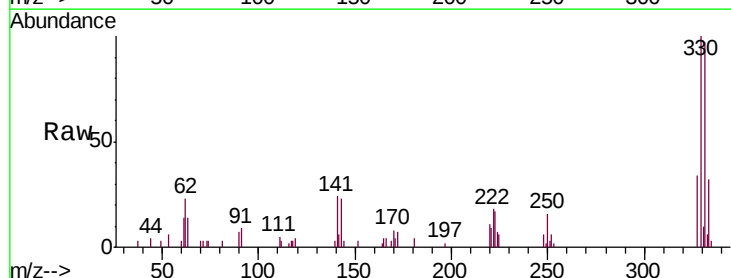
Instrument :
BNA_G
ClientSampleId :
TP-7-GW

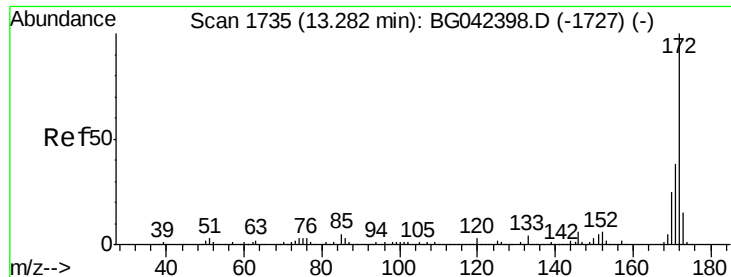
Tgt Ion:164 Resp: 104225
Ion Ratio Lower Upper
164 100
162 98.5 79.9 119.9
160 42.9 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 9.592 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BG042584.D
Acq: 30 Aug 2019 3:14

Tgt Ion:330 Resp: 14209
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 24.8 21.4 32.0

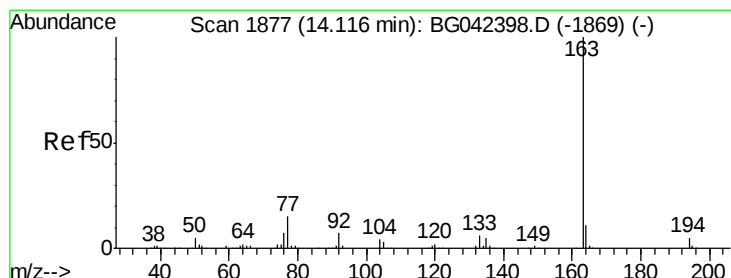
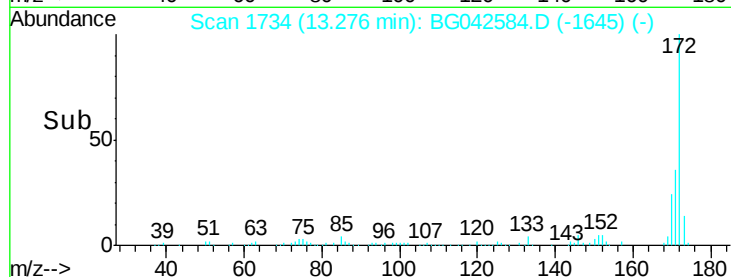
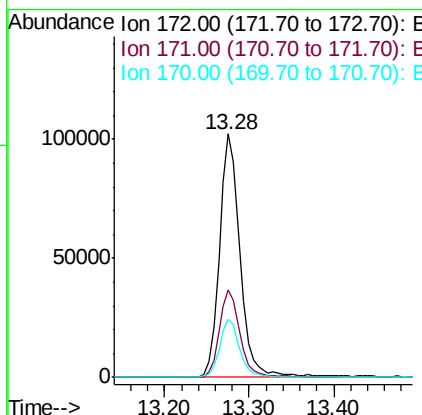
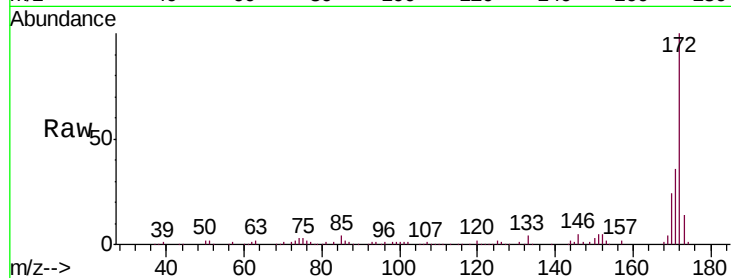




#45
 2-Fluorobiphenyl
 Concen: 28.163 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042584.D
 Acq: 30 Aug 2019 3:14

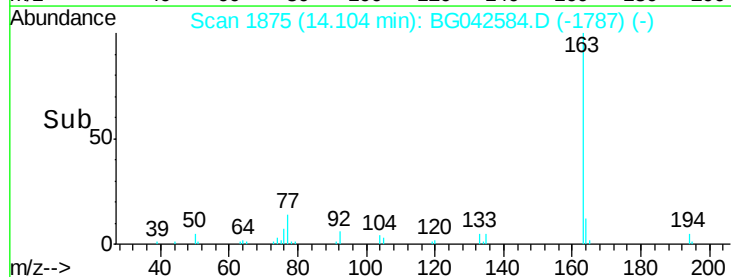
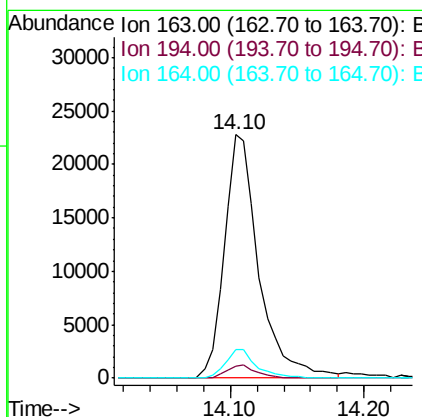
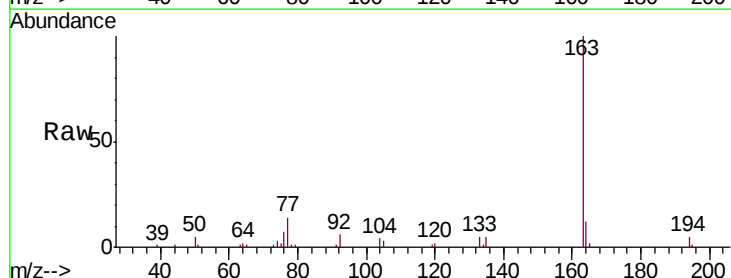
Instrument :
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 ClientSampled :
 TP-7-GW

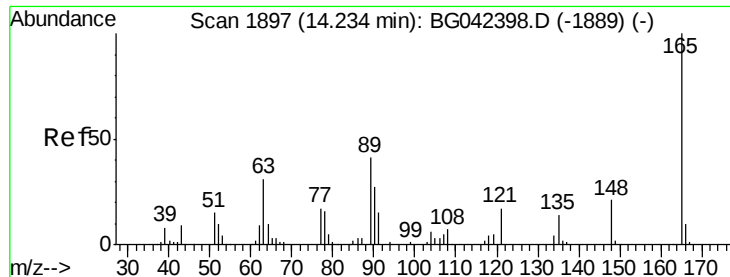
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.5	45.7
170	23.6	20.2	30.2



#50
 Dimethylphthalate
 Concen: 5.457 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042584.D
 Acq: 30 Aug 2019 3:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.2	6.2
164	11.8	8.8	13.2

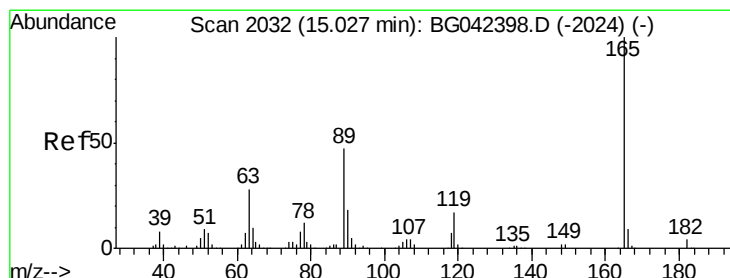
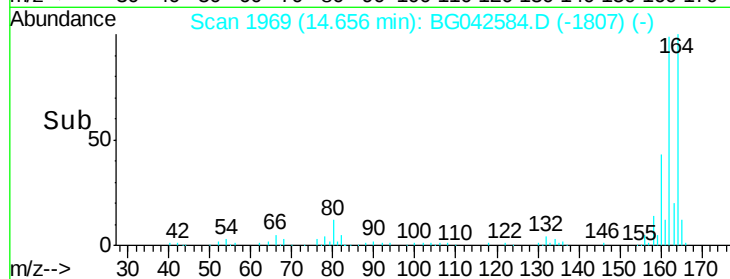
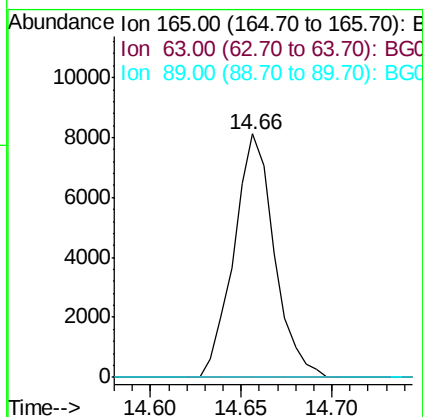
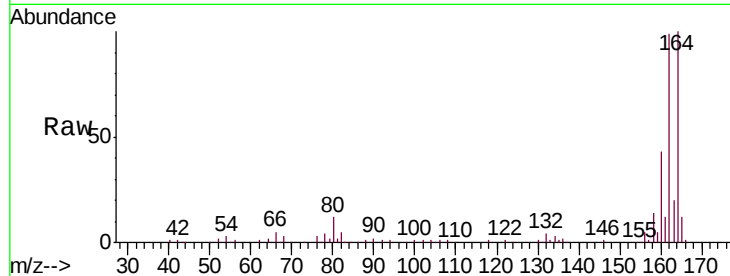




#51
 2,6-Dinitrotoluene
 Concen: 7.211 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.42 min
 Lab File: BG042584.D
 Acq: 30 Aug 2019 3:14

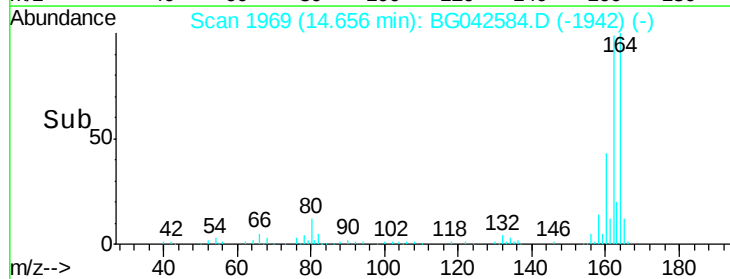
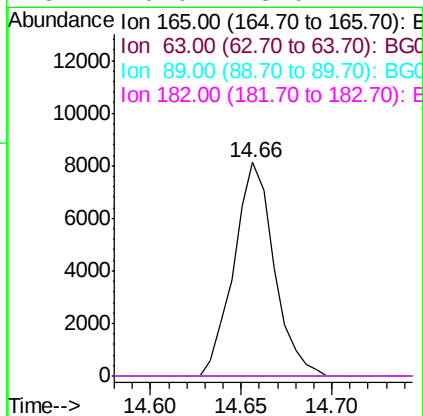
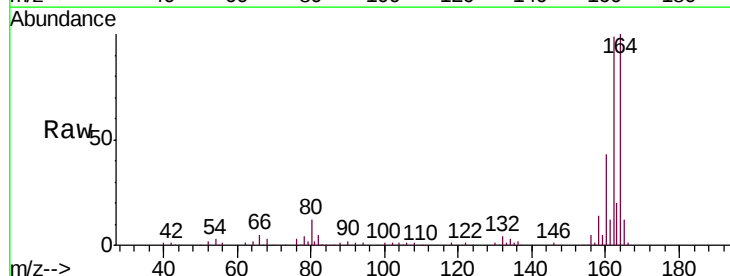
Instrument :
 BNA_G
 ClientSampleId :
 TP-7-GW

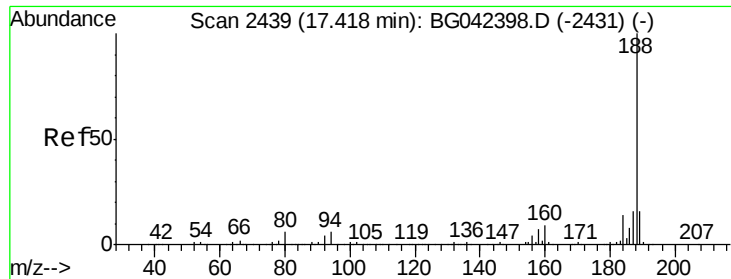
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.035 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042584.D
 Acq: 30 Aug 2019 3:14

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

Instrument :

BNA_G

ClientSampleId :

TP-7-GW

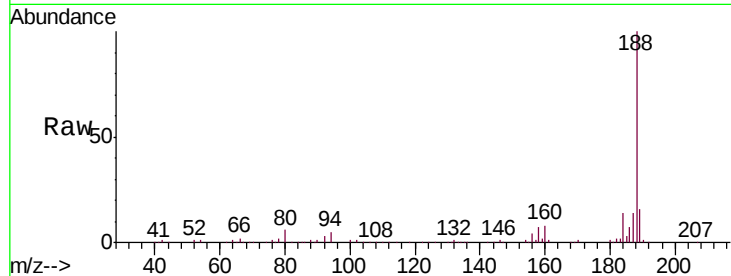
Tgt Ion:188 Resp: 238387

Ion Ratio Lower Upper

188 100

94 5.2 4.5 6.7

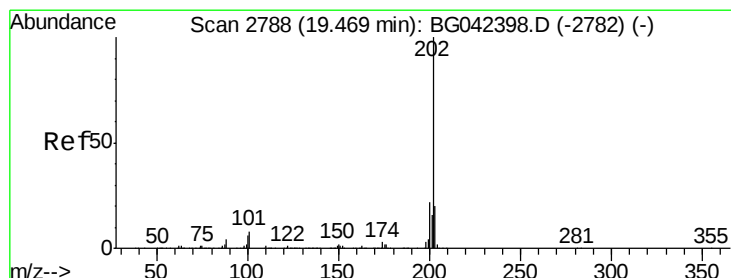
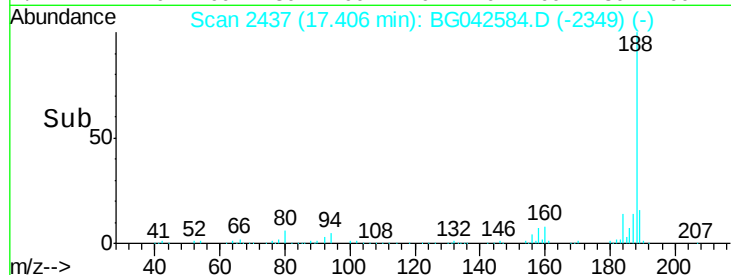
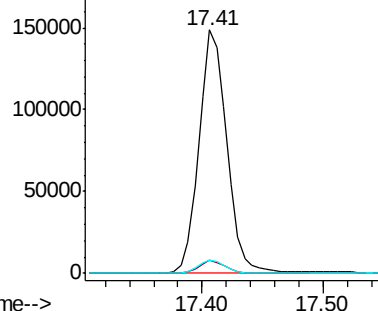
80 5.5 4.9 7.3



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



#75

Fluoranthene

Concen: 2.941 ng

RT: 19.46 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

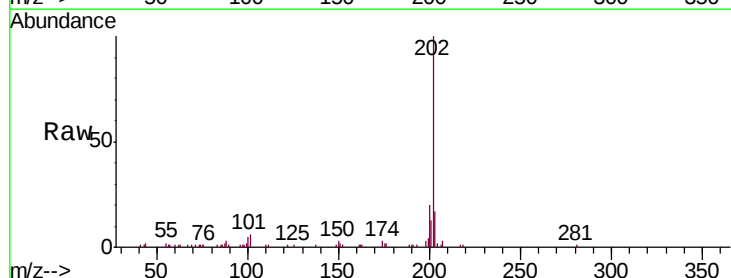
Tgt Ion:202 Resp: 42494

Ion Ratio Lower Upper

202 100

101 5.9 0.0 28.3

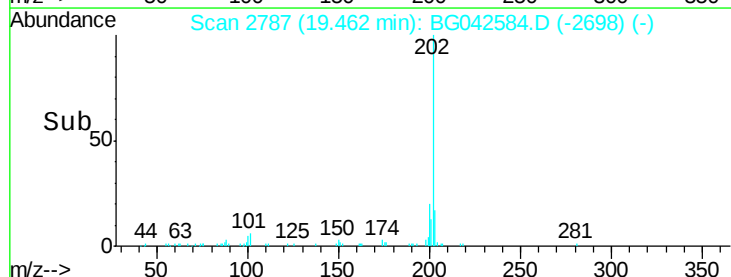
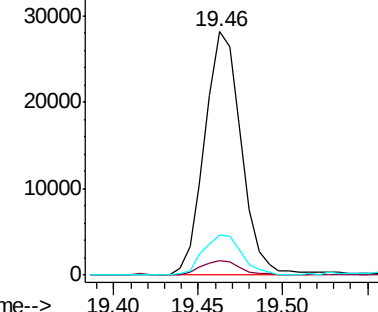
203 16.7 0.0 39.6

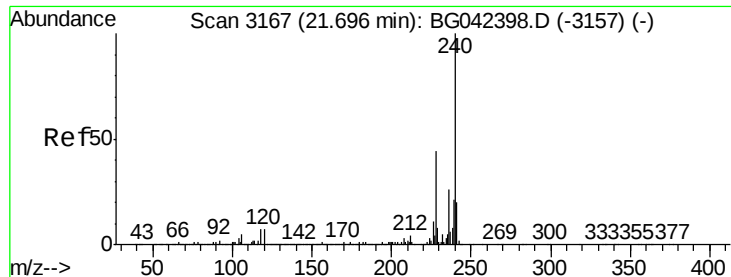


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

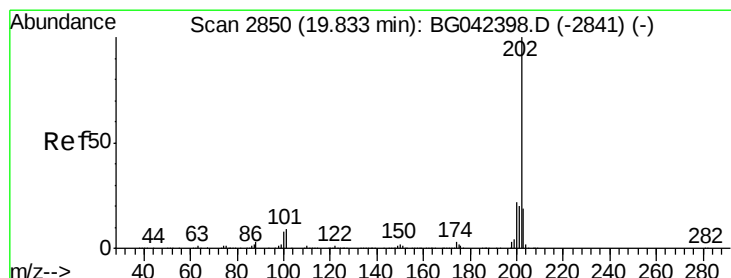
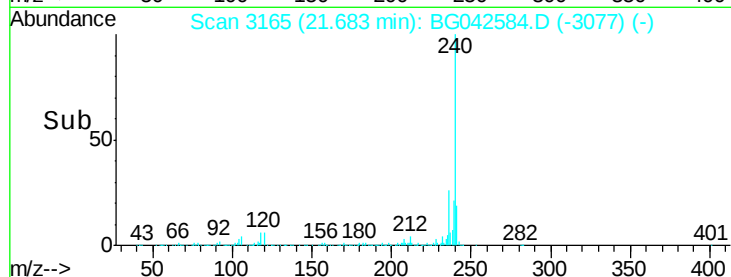
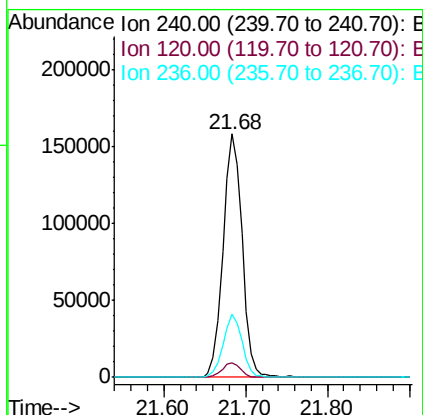
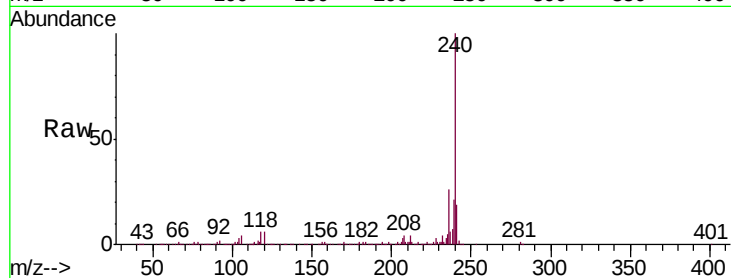




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042584.D
Acq: 30 Aug 2019 3:14

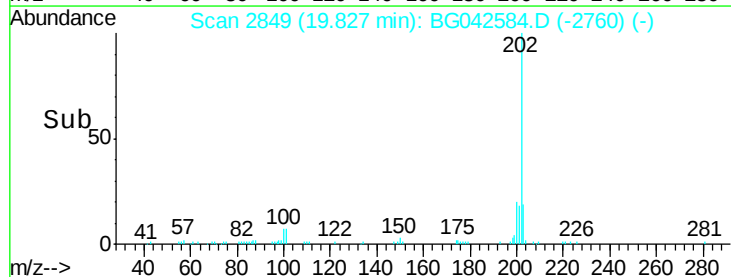
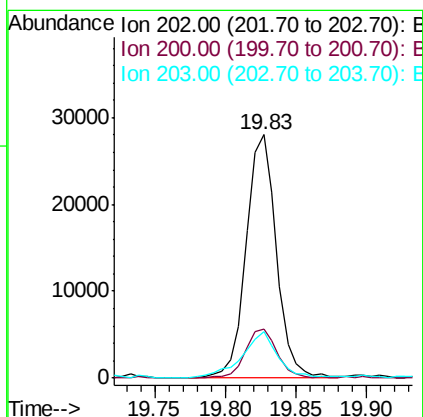
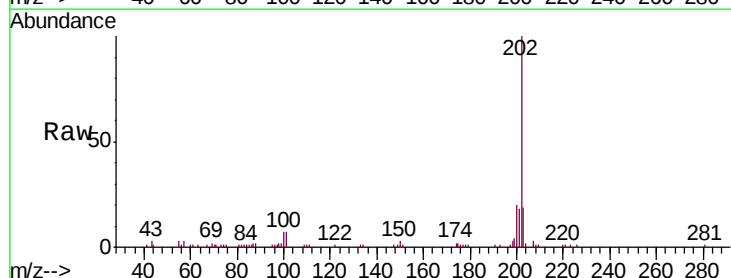
Instrument :
BNA_G
ClientSampleId :
TP-7-GW

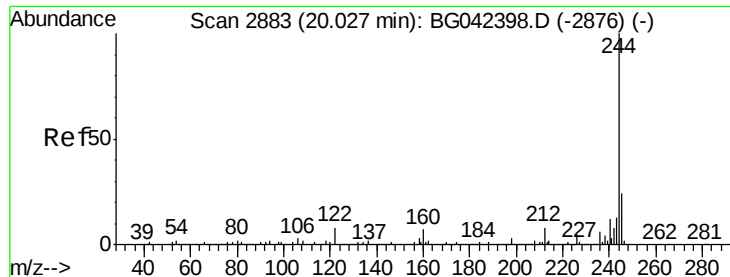
Tgt Ion:240 Resp: 257428
Ion Ratio Lower Upper
240 100
120 5.9 5.7 8.5
236 25.9 21.0 31.4



#78
Pyrene
Concen: 2.682 ng
RT: 19.83 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BG042584.D
Acq: 30 Aug 2019 3:14

Tgt Ion:202 Resp: 42335
Ion Ratio Lower Upper
202 100
200 20.0 17.8 26.6
203 18.9 15.5 23.3





#79

Terphenyl-d14

Concen: 28.078 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

Instrument :

BNA_G

ClientSampleId :

TP-7-GW

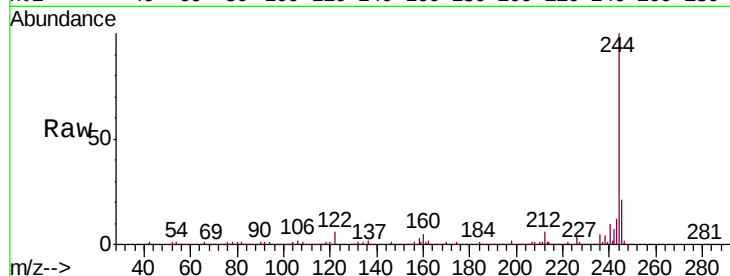
Tgt Ion:244 Resp: 334334

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

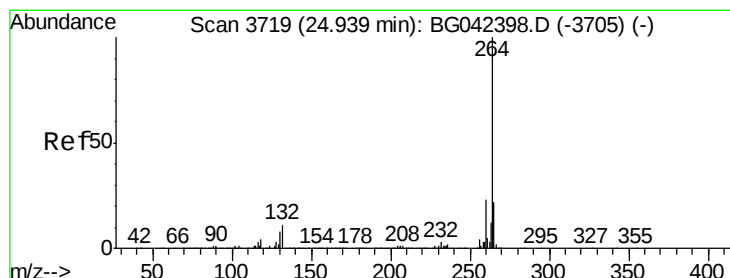
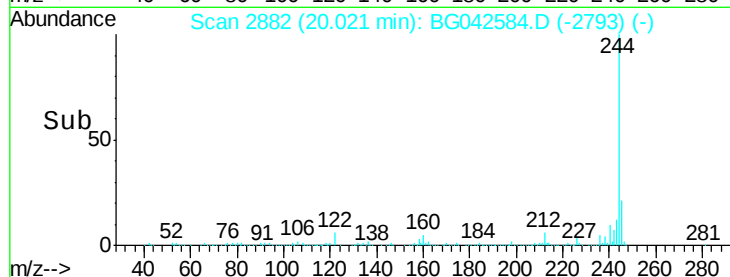
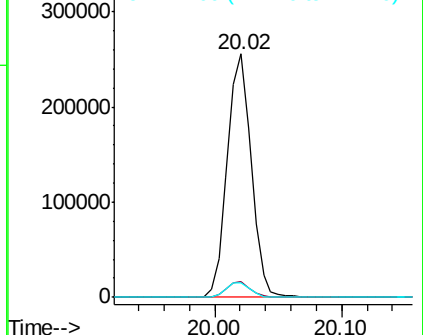
122 5.8 6.7 10.1#



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: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

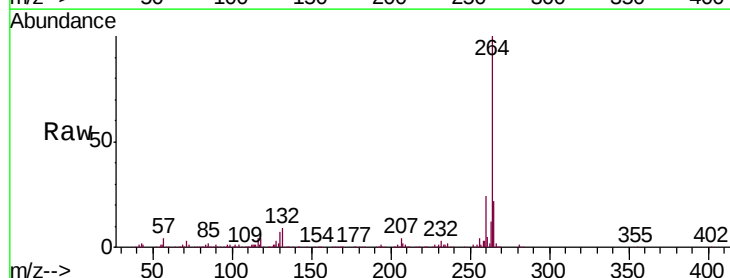
Tgt Ion:264 Resp: 305382

Ion Ratio Lower Upper

264 100

260 24.1 18.5 27.7

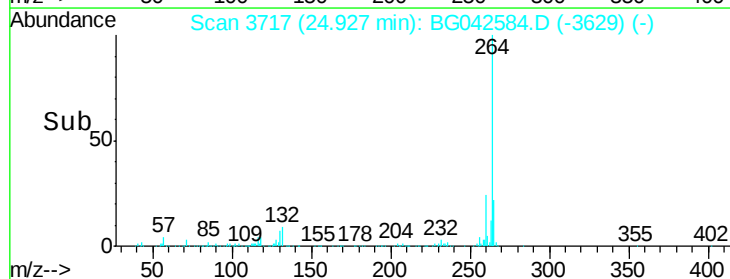
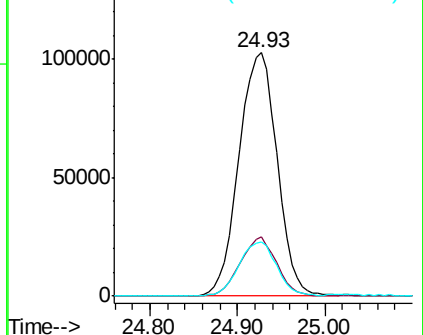
265 22.3 17.6 26.4

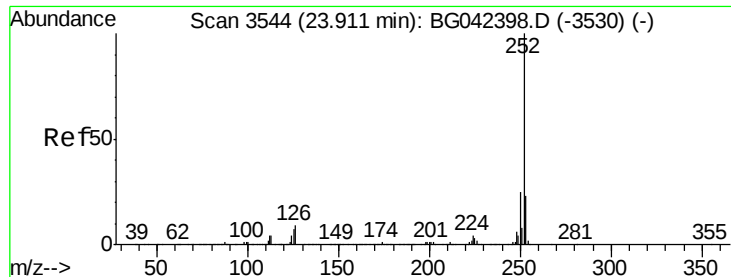


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.576 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG042584.D

Acq: 30 Aug 2019 3:14

Instrument :

BNA_G

ClientSampleId :

TP-7-GW

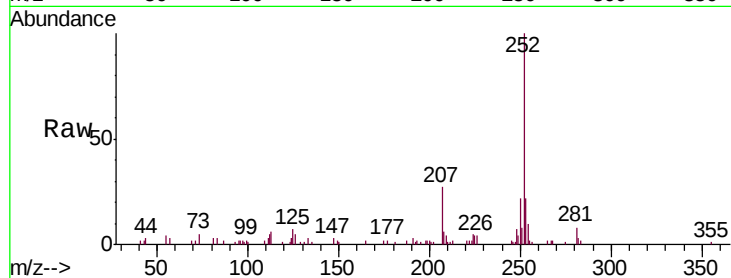
Tgt Ion: 252 Resp: 43246

Ion Ratio Lower Upper

252 100

253 22.3 18.6 27.8

125 7.0 5.6 8.4



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

