

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
 Data File : BG042659.D
 Acq On : 1 Sep 2019 8:32
 Operator : HP/JU
 Sample : K4601-30
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T12-F1-F4-(0-2.7)

Quant Time: Sep 02 08:06:40 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	7.99	152	33385	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	124683	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	92270	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	218229	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	249200	20.00	ng	-0.01
87) Perylene-d12	24.92	264	289941	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	230001	139.53	ng	0.00
7) Phenol-d6	7.16	99	262931	118.09	ng	-0.01
23) Nitrobenzene-d5	9.16	82	189170	104.85	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	189545	144.53	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	602714	110.48	ng	0.00
79) Terphenyl-d14	20.02	244	1229150	106.63	ng	0.00

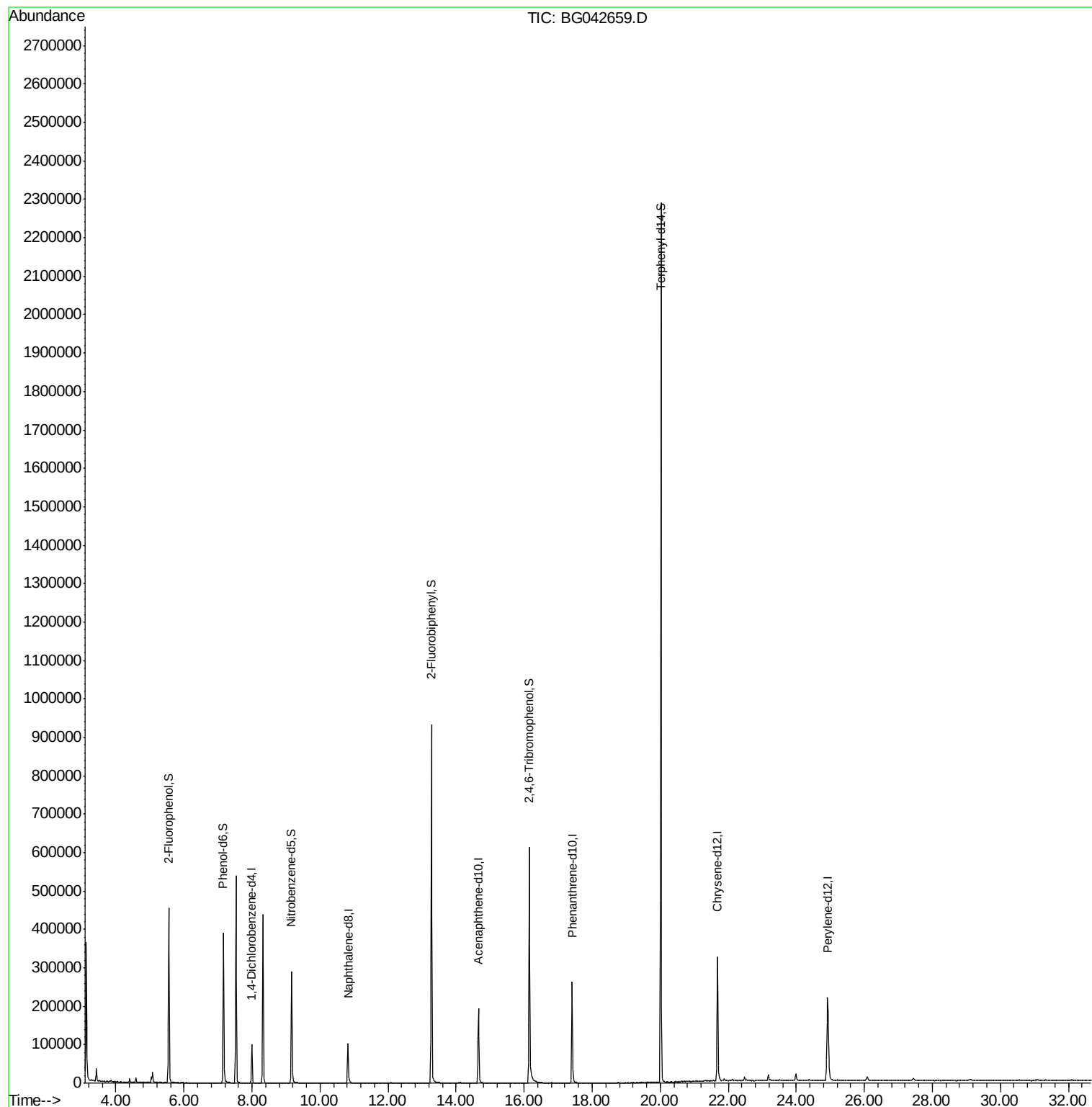
Target Compounds Qvalue

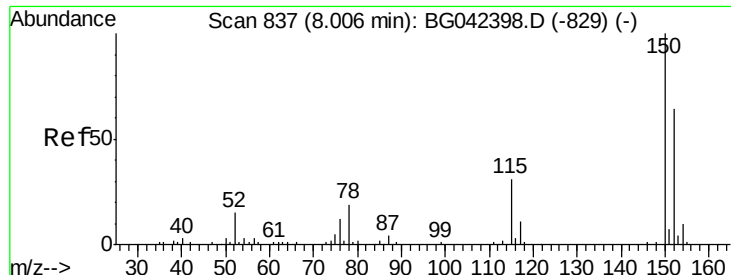
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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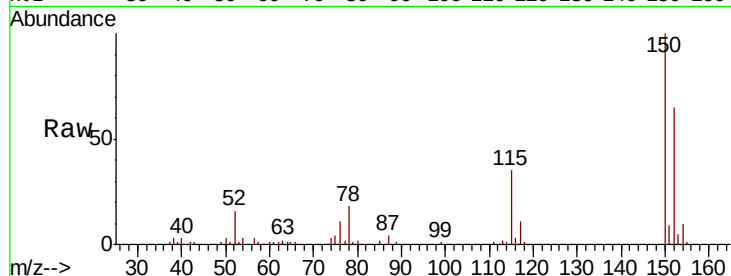


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BG042659.D
 Acq: 1 Sep 2019 8:32

Instrument :
 BNA_G
 ClientSampleId :
 T12-F1-F4-(0-2.7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	125.4	188.0
115	53.5	38.5	57.7

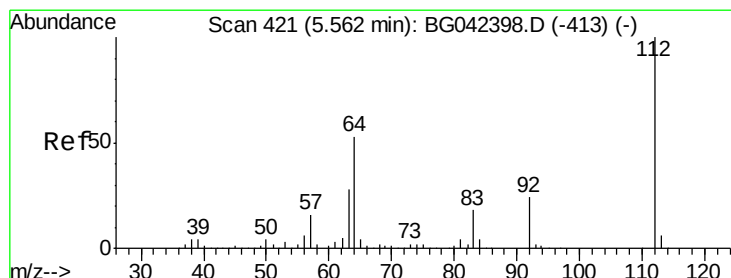
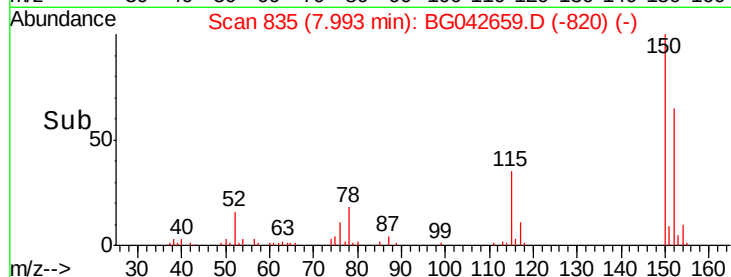
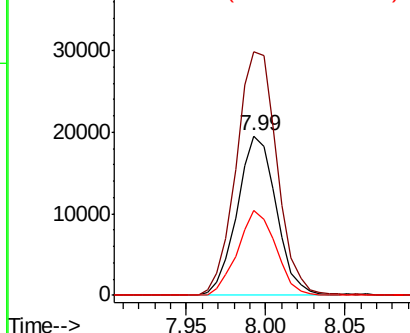


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

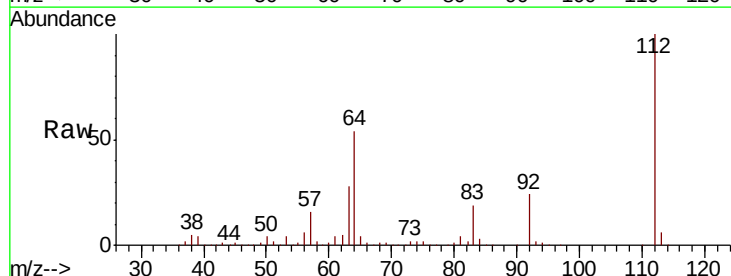
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 139.529 ng
 RT: 5.55 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BG042659.D
 Acq: 1 Sep 2019 8:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	42.8	64.2
63	28.2	22.7	34.1

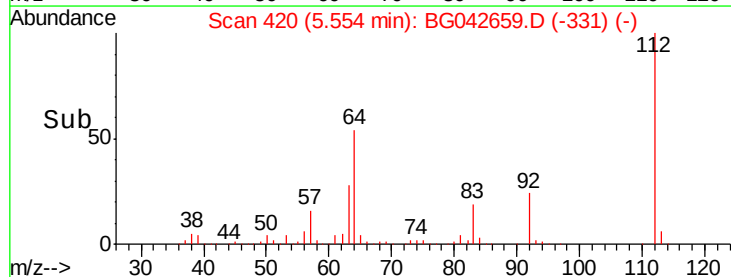
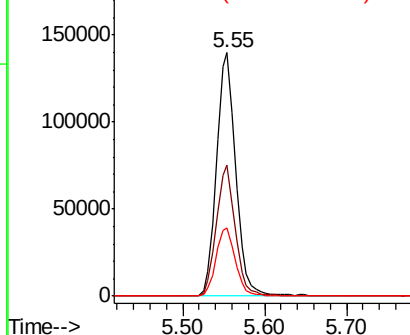


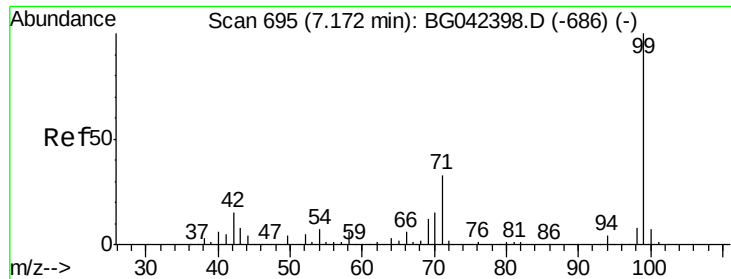
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 118.085 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

Instrument :

BNA_G

ClientSampleId :

T12-F1-F4-(0-2.7)

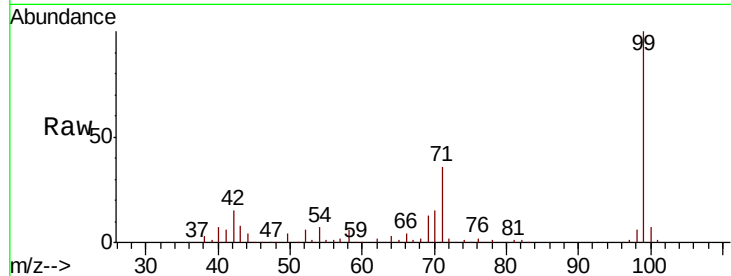
Tot Ion: 99 Resp: 262931

Ion Ratio Lower Upper

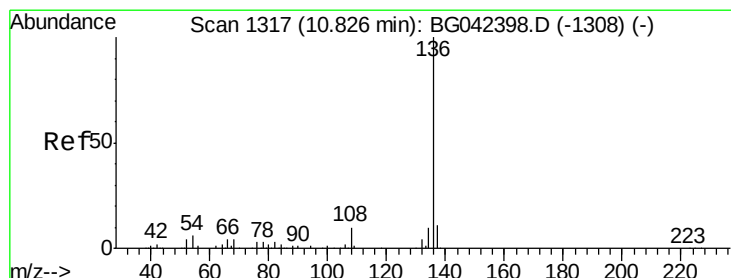
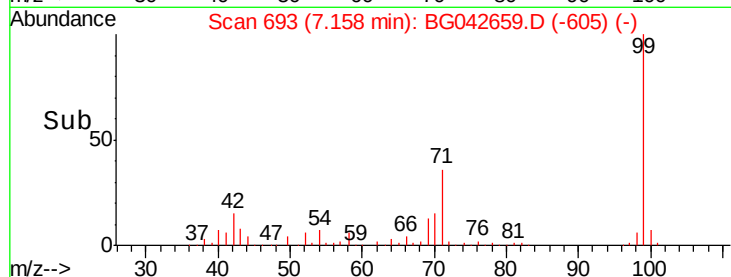
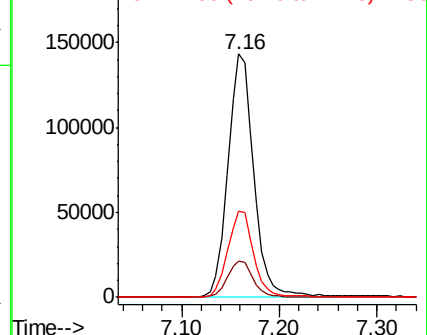
99 100

42 15.1 12.0 18.0

71 35.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

Tgt Ion: 136 Resp: 124683

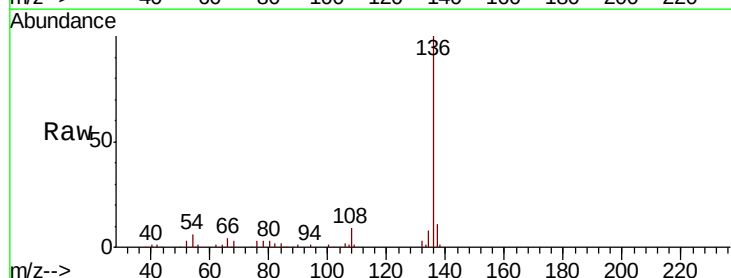
Ion Ratio Lower Upper

136 100

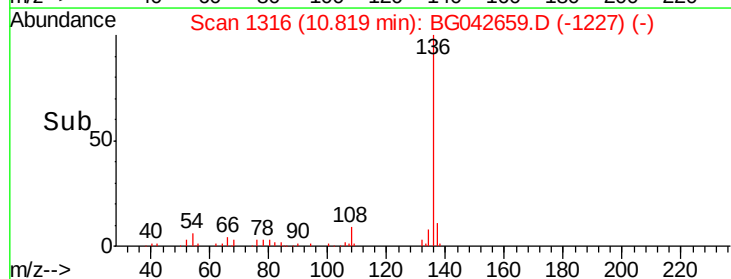
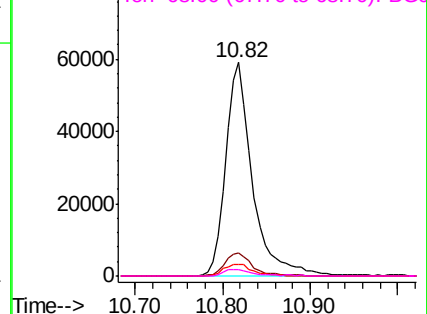
137 10.9 8.7 13.1

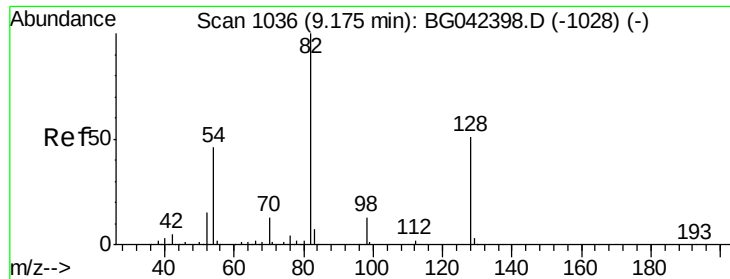
54 5.7 4.9 7.3

68 3.2 3.6 5.4#



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

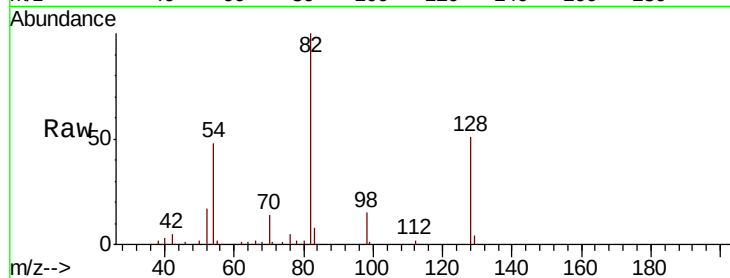




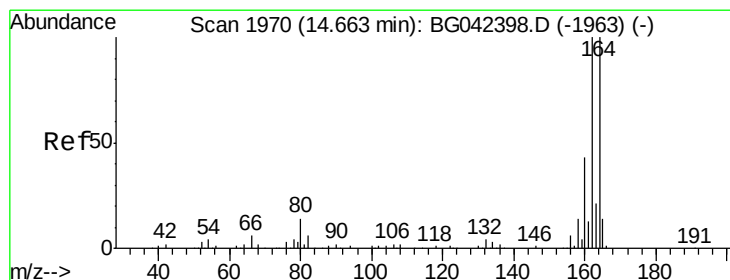
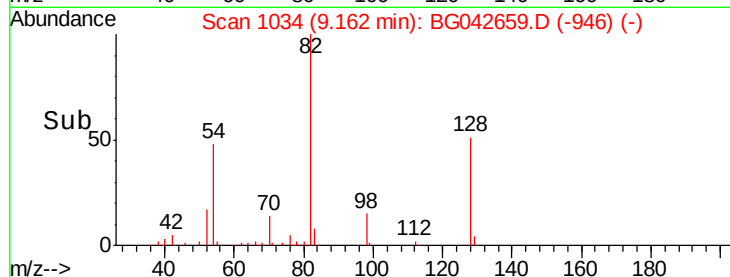
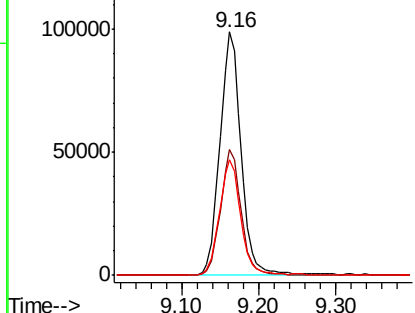
#23
Nitrobenzene-d5
Concen: 104.845 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042659.D
Acq: 1 Sep 2019 8:32

Instrument :
BNA_G
ClientSampleId :
T12-F1-F4-(0-2.7)

Tot Ion: 82 Resp: 189170
Ion Ratio Lower Upper
82 100
128 51.5 40.7 61.1
54 47.7 36.3 54.5

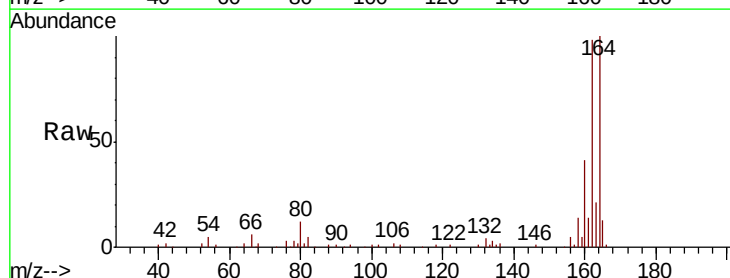


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

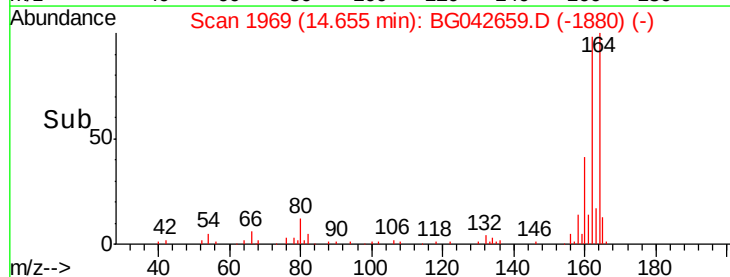
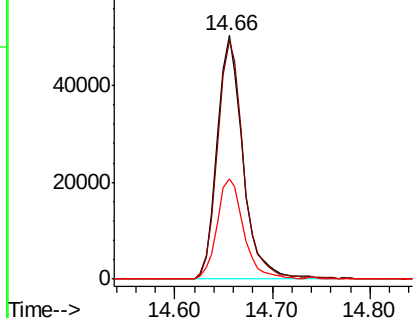


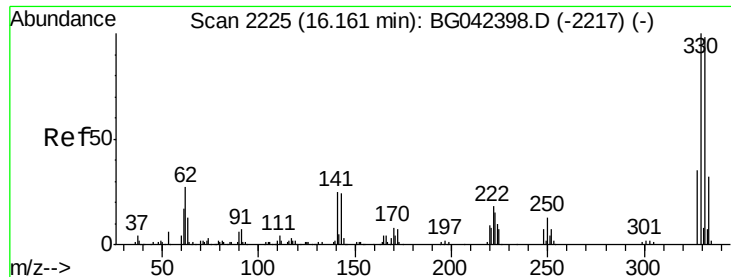
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG042659.D
Acq: 1 Sep 2019 8:32

Tgt Ion:164 Resp: 92270
Ion Ratio Lower Upper
164 100
162 97.8 79.9 119.9
160 41.3 34.3 51.5



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: 144.529 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

Instrument :

BNA_G

ClientSampleId :

T12-F1-F4-(0-2.7)

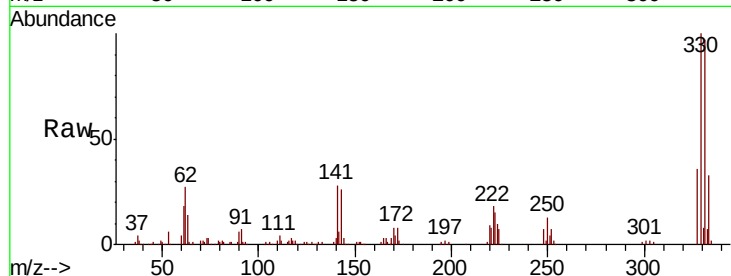
Tot Ion:330 Resp: 189545

Ion Ratio Lower Upper

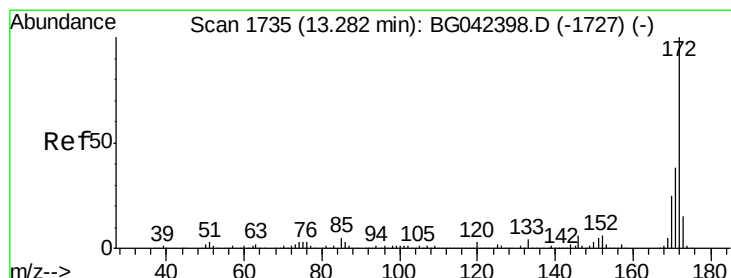
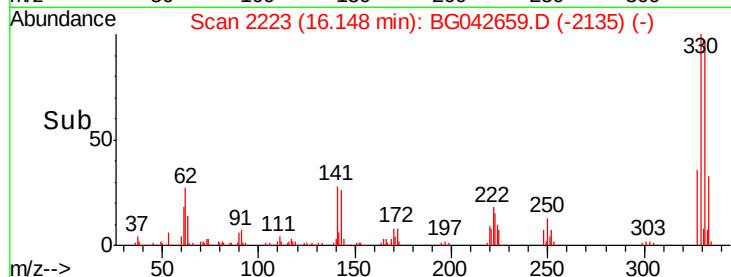
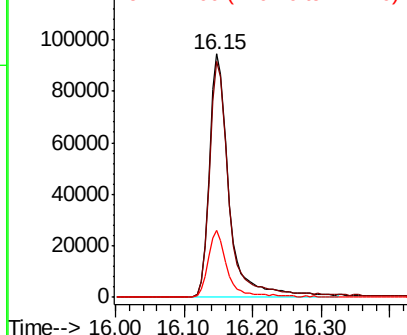
330 100

332 97.5 77.4 116.0

141 27.0 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: 110.476 ng

RT: 13.27 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

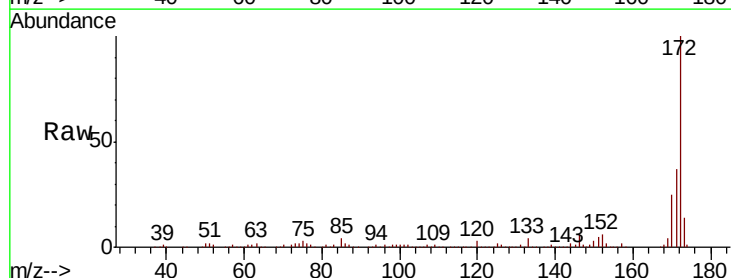
Tgt Ion:172 Resp: 602714

Ion Ratio Lower Upper

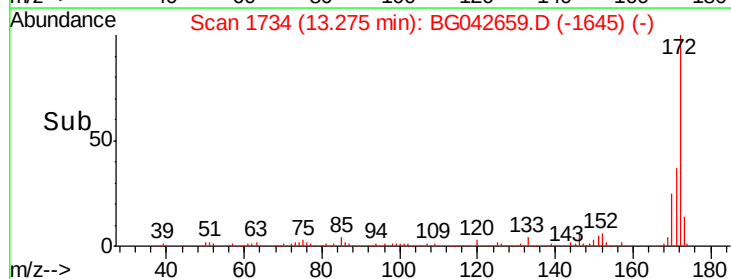
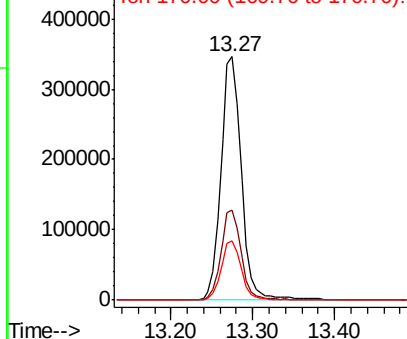
172 100

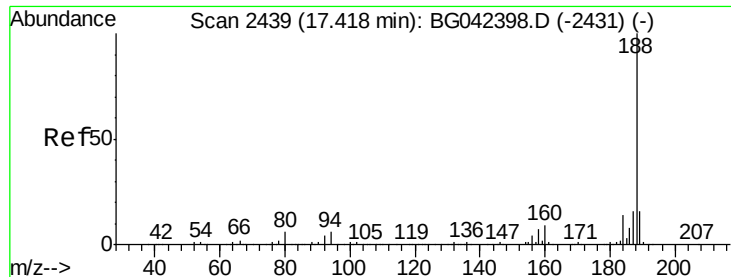
171 37.1 30.5 45.7

170 24.5 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

Instrument :

BNA_G

ClientSampleId :

T12-F1-F4-(0-2.7)

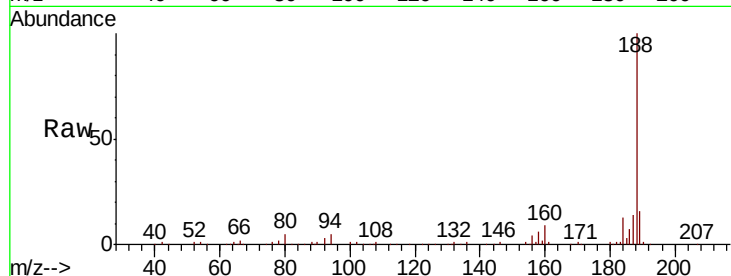
Tot Ion:188 Resp: 218229

Ion Ratio Lower Upper

188 100

94 4.9 4.5 6.7

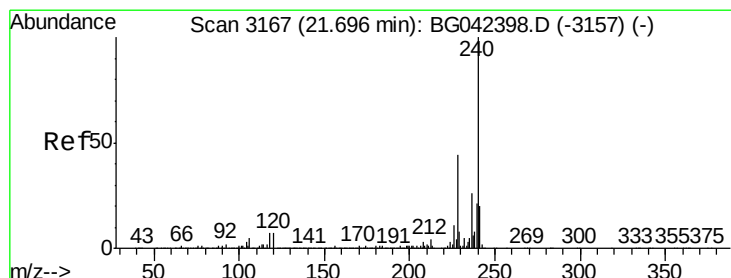
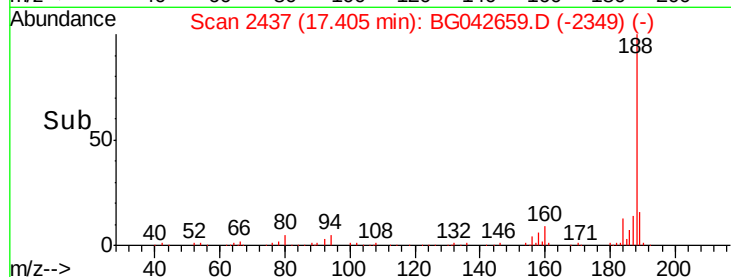
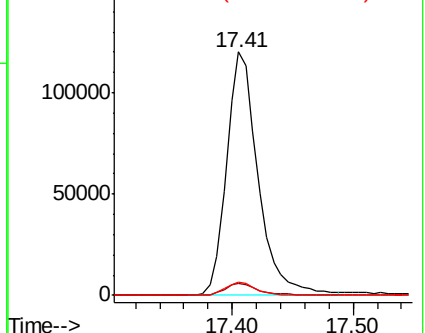
80 5.2 4.9 7.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

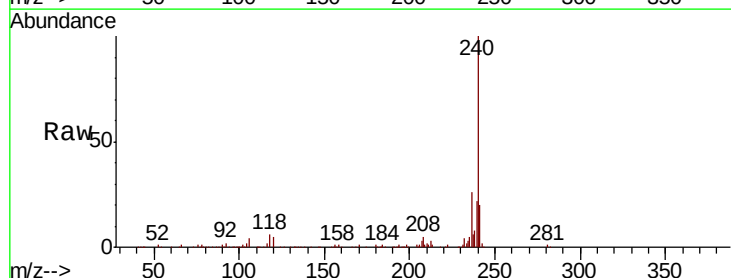
Tgt Ion:240 Resp: 249200

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

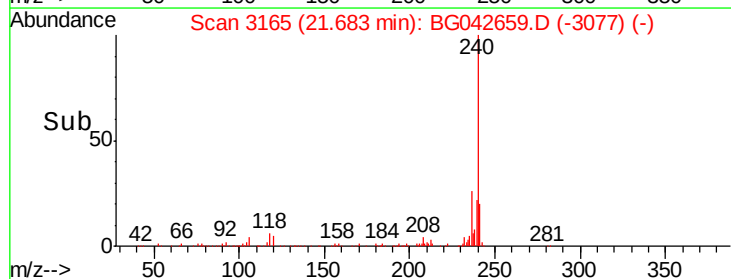
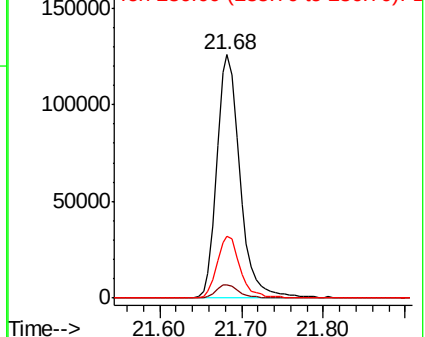
236 25.7 21.0 31.4

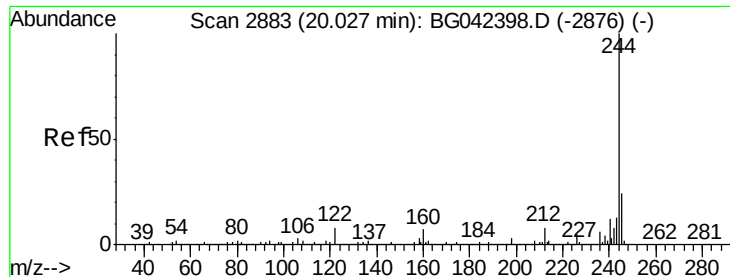


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 106.634 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

Instrument :

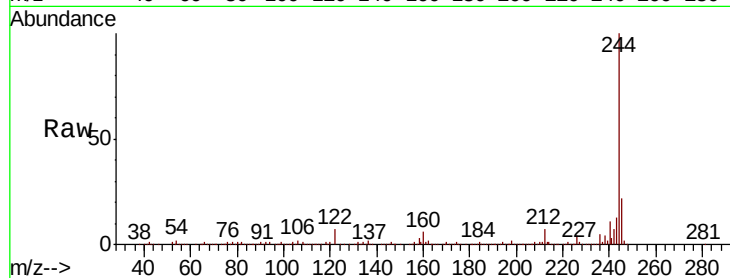
BNA_G

ClientSampleId :

T12-F1-F4-(0-2.7)

Tot Ion:244 Resp: 1229150

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	6.8	6.7	10.1

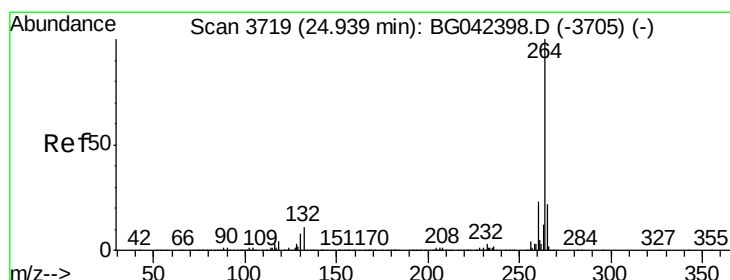
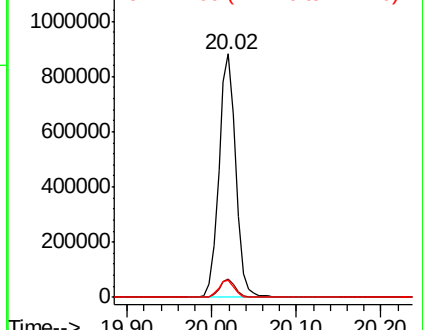
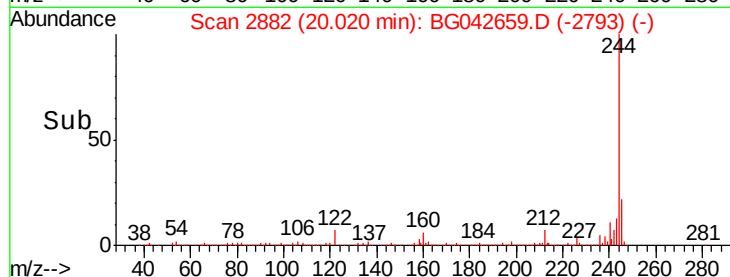


Abundance

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: 24.92 min Scan# 3716

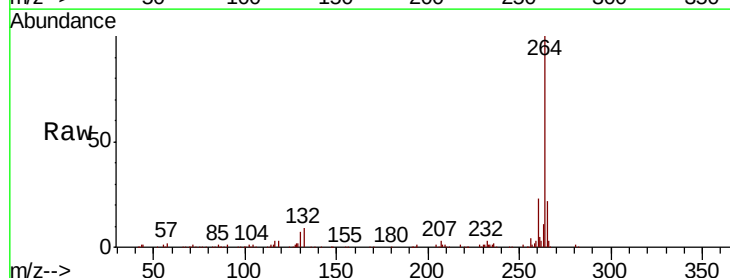
Delta R.T. -0.02 min

Lab File: BG042659.D

Acq: 1 Sep 2019 8:32

Tgt Ion:264 Resp: 289941

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.7	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

