

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038564.D
 Acq On : 14 Dec 2018 11:45
 Operator : JU/SJ
 Sample : J6354-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL

Quant Time: Dec 14 12:33:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	24821	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	98971	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	66187	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	172925	20.00	ng	0.00
76) Chrysene-d12	21.72	240	187022	20.00	ng	0.00
87) Perylene-d12	25.01	264	198732	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	204835	146.37	ng	0.00
7) Phenol-d6	7.21	99	250660	130.47	ng	0.00
23) Nitrobenzene-d5	9.24	82	200575	103.53	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	147117	161.28	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	468788	97.17	ng	0.00
79) Terphenyl-d14	20.05	244	963146	112.08	ng	0.00

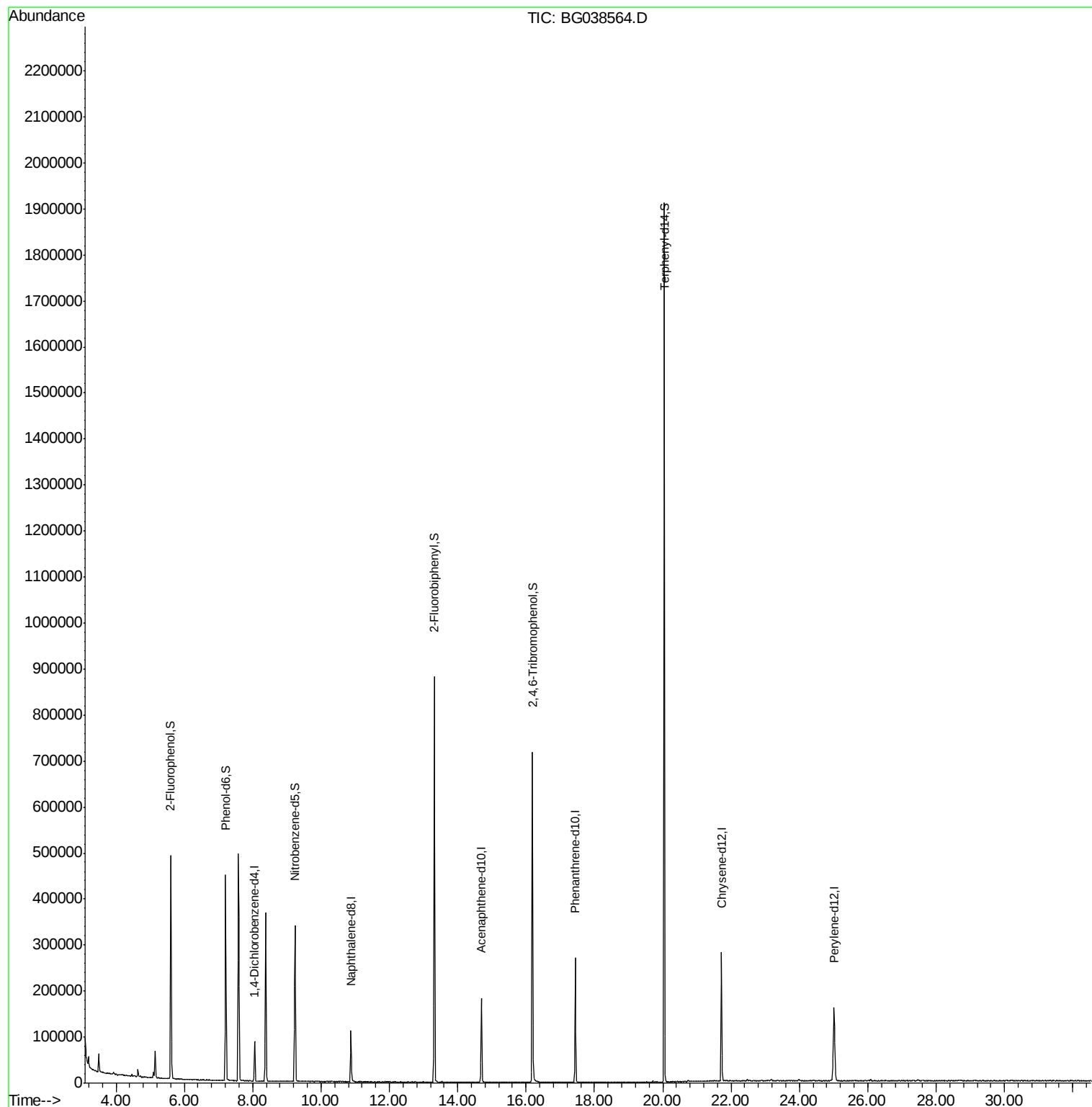
Target Compounds Qvalue

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

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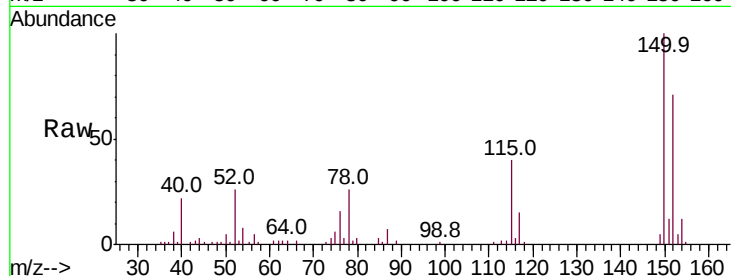


#1

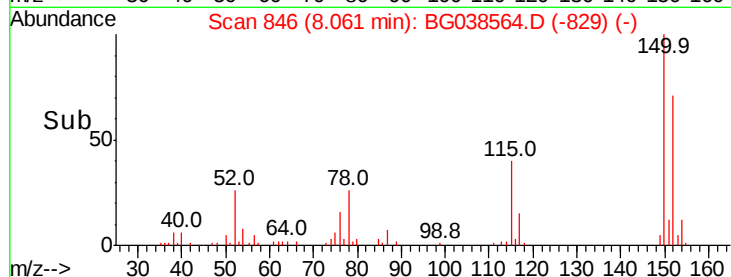
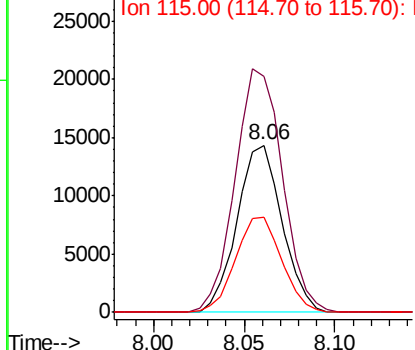
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

Instrument :
BNA_G
ClientSampleId :
SOIL

Tot Ion:152 Resp: 24821
Ion Ratio Lower Upper
152 100
150 141.3 119.5 179.3
115 56.5 49.6 74.4



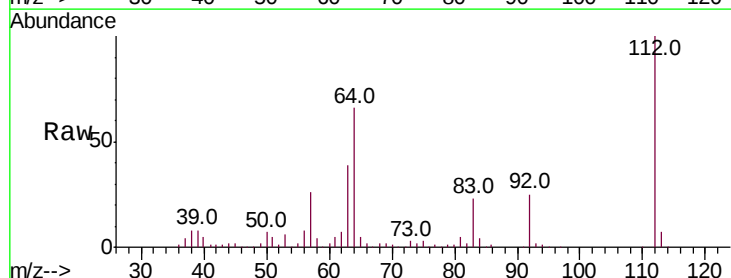
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



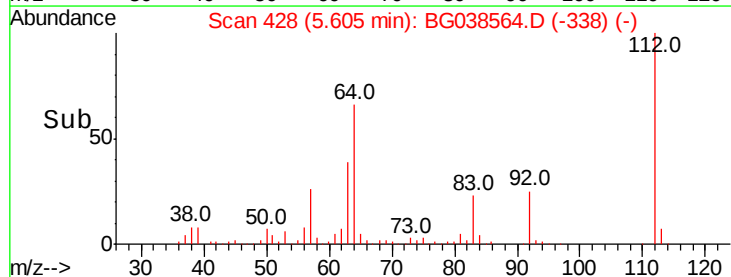
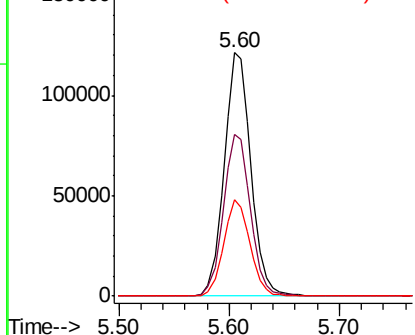
#5

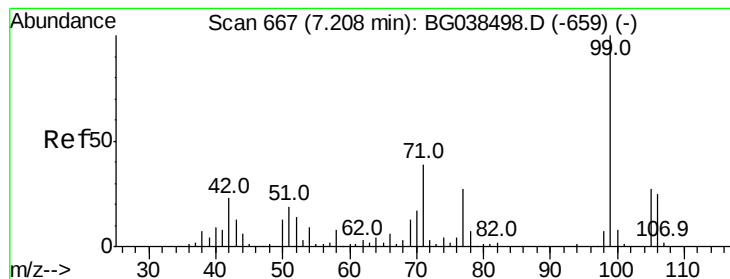
2-Fluorophenol
Concen: 146.370 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

Tgt Ion:112 Resp: 204835
Ion Ratio Lower Upper
112 100
64 66.2 53.4 80.2
63 39.4 29.3 43.9



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





#7

Phenol-d6

Concen: 130.474 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

Instrument :

BNA_G

ClientSampled :

SOIL

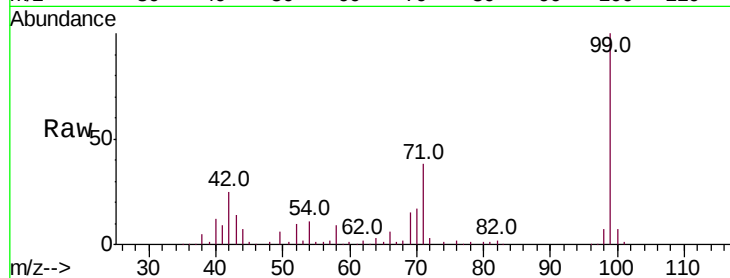
Tot Ion: 99 Resp: 250660

Ion Ratio Lower Upper

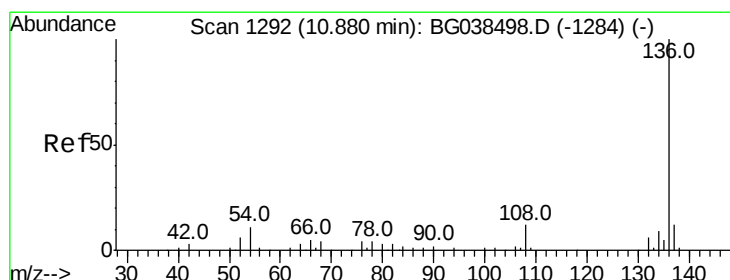
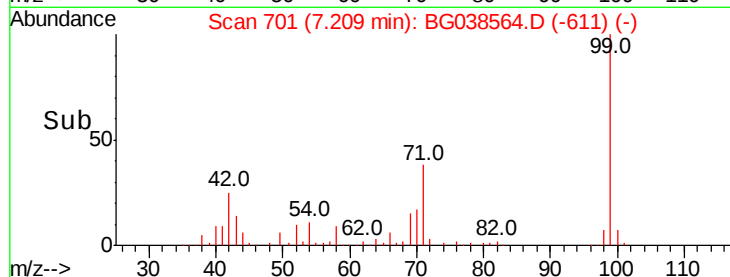
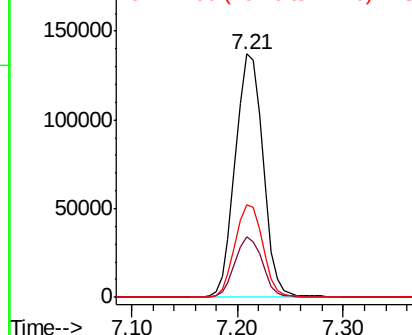
99 100

42 25.0 18.5 27.7

71 38.3 31.1 46.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

Tgt Ion: 136 Resp: 98971

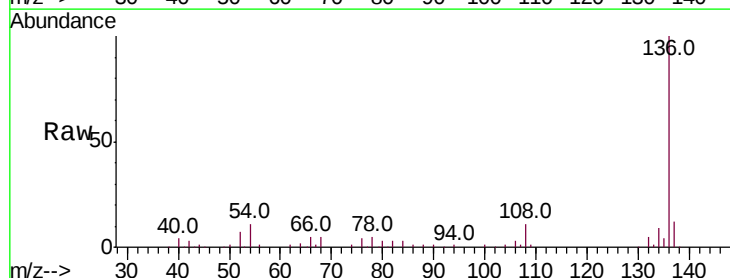
Ion Ratio Lower Upper

136 100

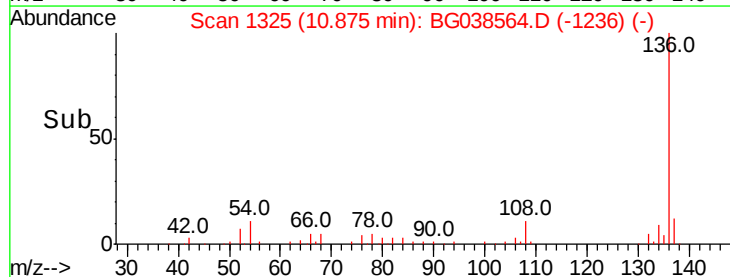
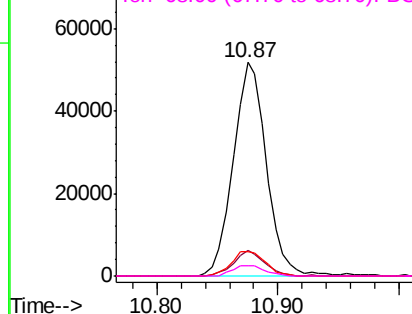
137 11.8 9.3 13.9

54 11.1 8.5 12.7

68 4.7 3.5 5.3



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

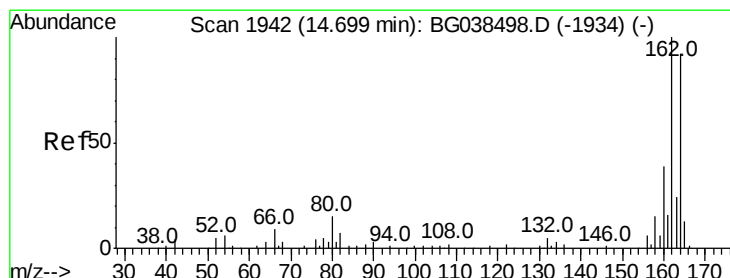
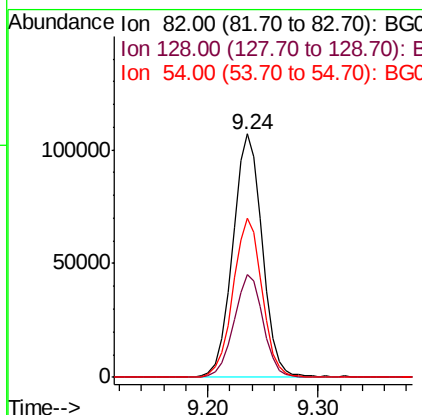
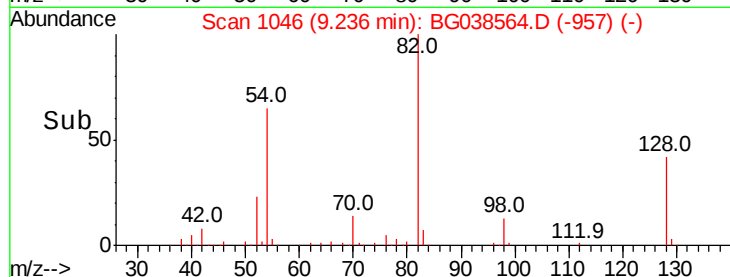
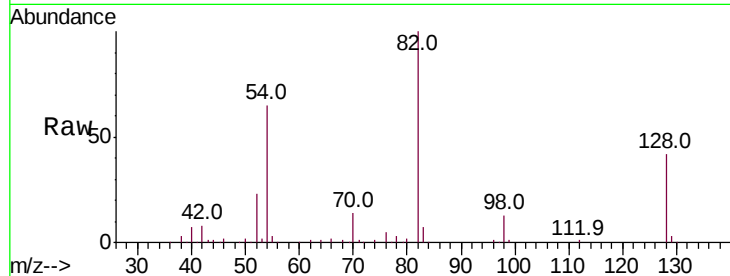




#23
Nitrobenzene-d5
Concen: 103.533 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

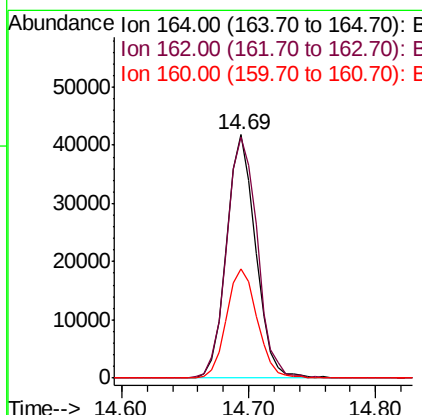
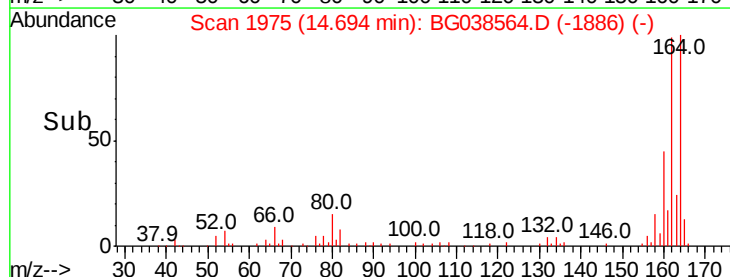
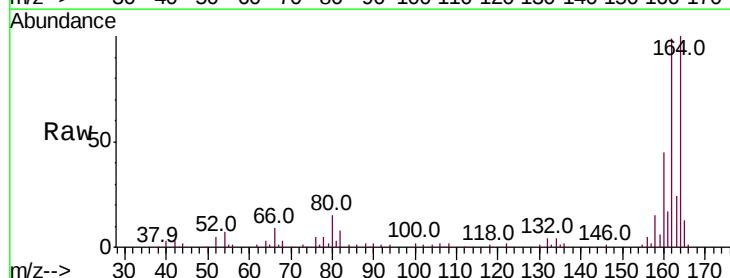
Instrument :
BNA_G
ClientSampleId :
SOIL

Tot Ion: 82 Resp: 200575
Ion Ratio Lower Upper
82 100
128 42.2 34.6 52.0
54 65.5 50.6 76.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038564.D
Acq: 14 Dec 2018 11:45

Tgt Ion:164 Resp: 66187
Ion Ratio Lower Upper
164 100
162 98.8 86.6 130.0
160 45.1 34.2 51.2

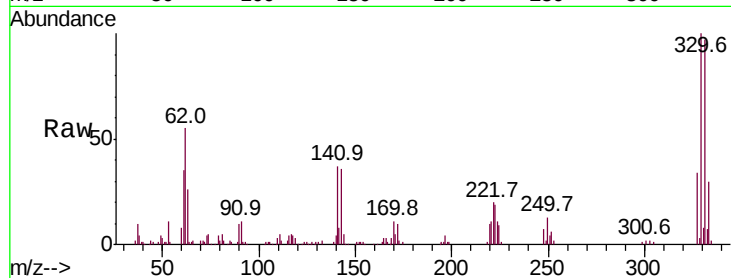




#42
 2,4,6-Tribromophenol
 Concen: 161.281 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Instrument :
 BNA_G
 ClientSampled :
 SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	37.6	28.8	43.2

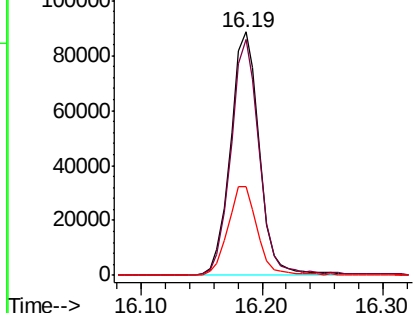
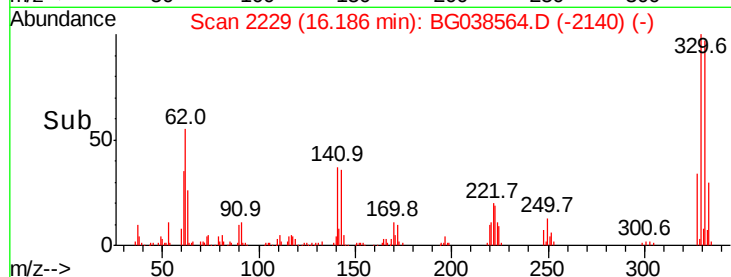


Abundance

Ion 329.80 (329.50 to 330.50): E

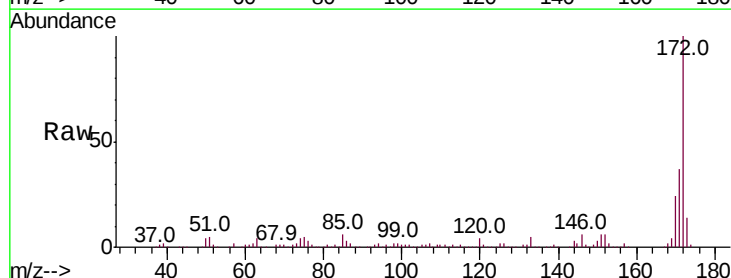
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 97.165 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.8	44.6
170	24.3	19.5	29.3

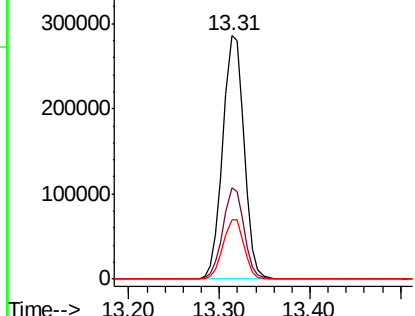
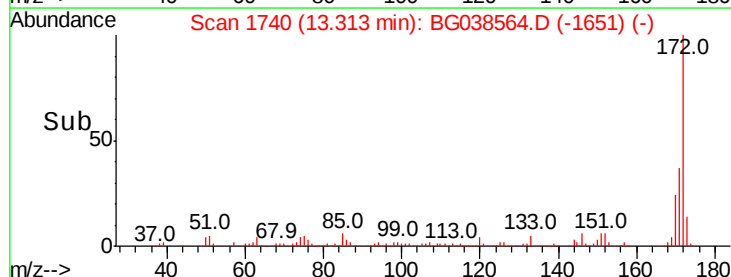


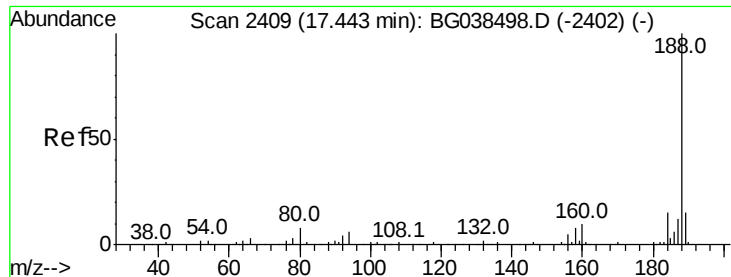
Abundance

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

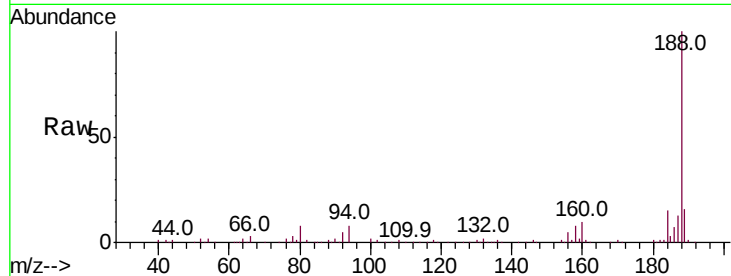




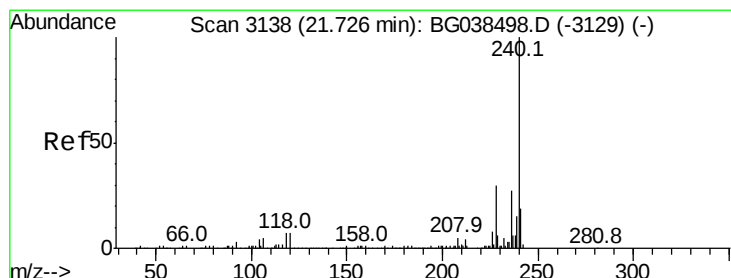
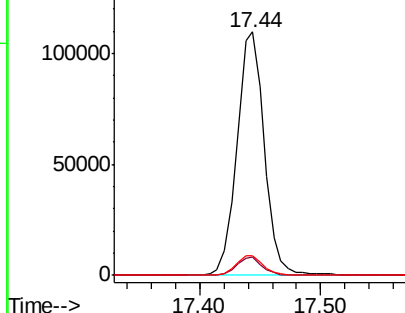
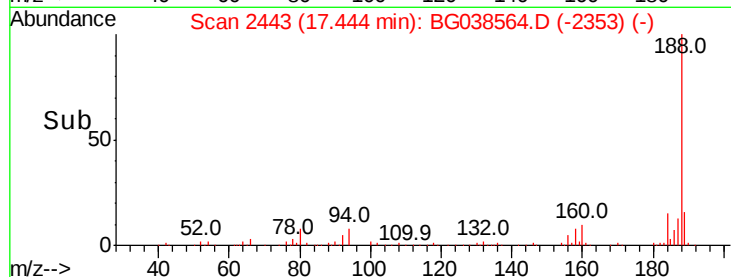
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Instrument :
 BNA_G
 ClientSampled :
 SOIL

Tot Ion:188 Resp: 172925
 Ion Ratio Lower Upper
 188 100
 94 7.5 5.1 7.7
 80 8.3 6.1 9.1

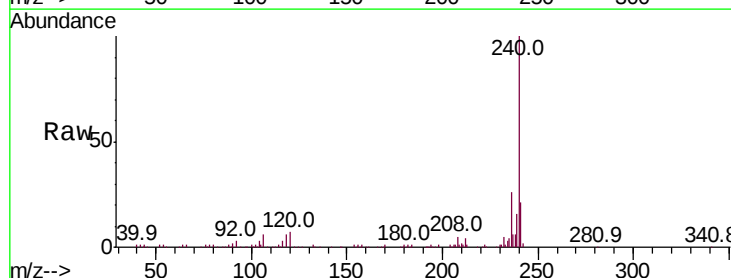


Abundance Ion 188.00 (187.70 to 188.70): E
 150000 Ion 94.00 (93.70 to 94.70): BGO
 Ion 80.00 (79.70 to 80.70): BGO

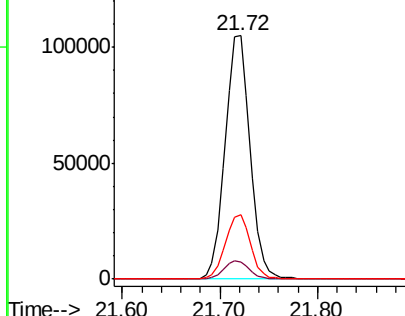
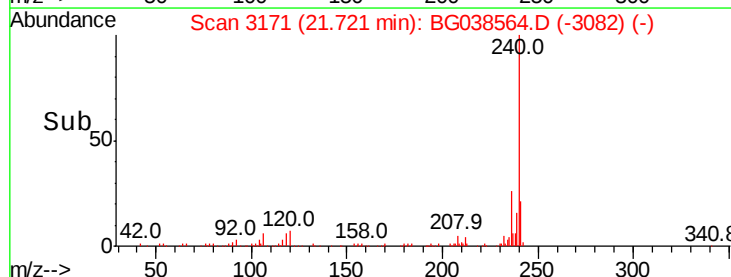


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.00 min
 Lab File: BG038564.D
 Acq: 14 Dec 2018 11:45

Tgt Ion:240 Resp: 187022
 Ion Ratio Lower Upper
 240 100
 120 7.1 5.3 7.9
 236 26.3 21.4 32.2



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: 112.079 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

Instrument :

BNA_G

ClientSampled :

SOIL

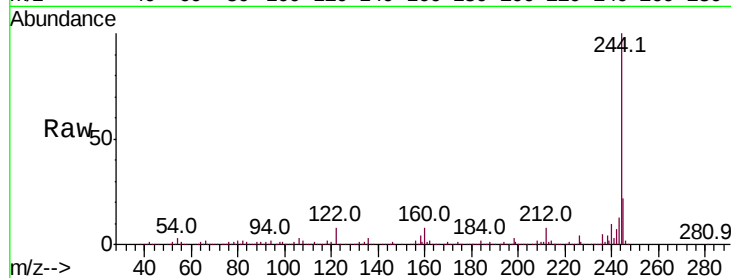
Tot Ion:244 Resp: 963146

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

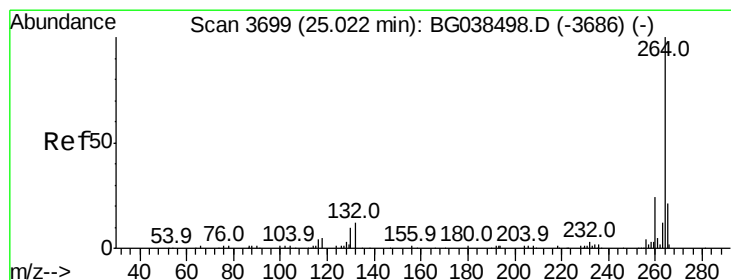
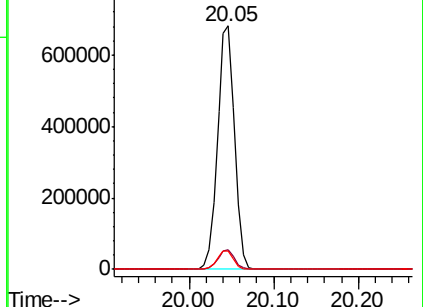
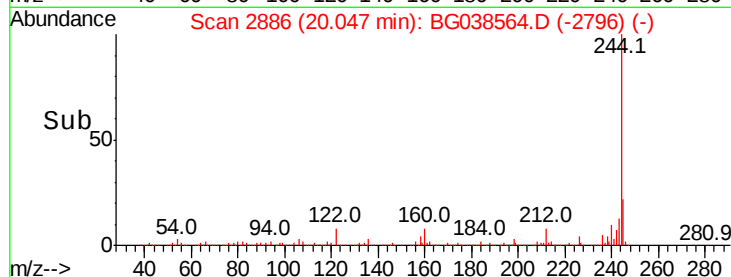
122 7.5 6.3 9.5



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: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG038564.D

Acq: 14 Dec 2018 11:45

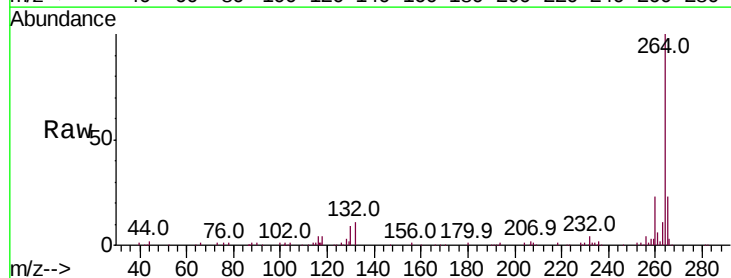
Tgt Ion:264 Resp: 198732

Ion Ratio Lower Upper

264 100

260 22.6 18.9 28.3

265 22.5 17.0 25.4



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

