

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032878.D
 Acq On : 28 Feb 2018 6:31
 Operator : SJ/JU
 Sample : J1688-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-3-SOIL

Quant Time: Feb 28 09:54:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

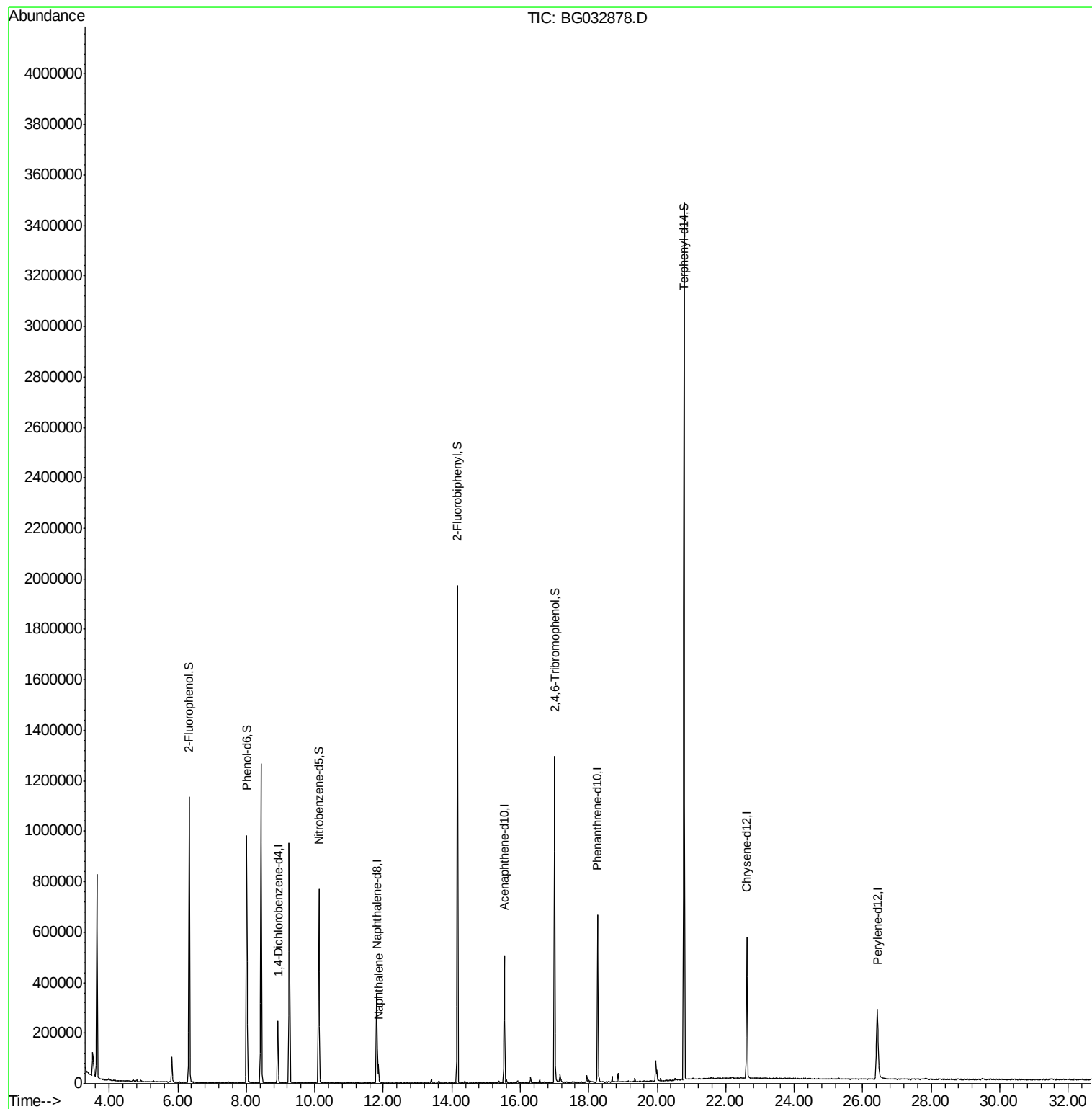
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	73602	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	316247	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	173592	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	391551	20.00	ng	0.00
75) Chrysene-d12	22.61	240	361287	20.00	ng	-0.02
86) Perylene-d12	26.43	264	368527	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	555232	120.69	ng	0.00
7) Phenol-d6	8.02	99	638253	99.53	ng	0.00
23) Nitrobenzene-d5	10.12	82	482759	103.49	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	227992	124.91	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1053331	87.51	ng	0.00
78) Terphenyl-d14	20.78	244	1534290	95.41	ng	0.00
Target Compounds						
31) Naphthalene	11.86	128	64191	3.884	ng	Qvalue 99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.01 min

Lab File: BG032878.D

Acq: 28 Feb 2018 6:31

Instrument :

BNA_G

ClientSampleId :

T-3-SOIL

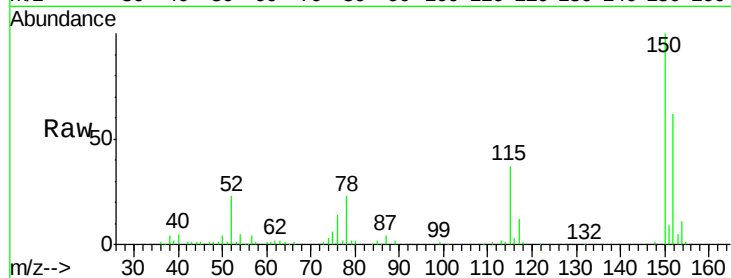
Tot Ion:152 Resp: 73602

Ion Ratio Lower Upper

152 100

150 161.0 126.6 189.8

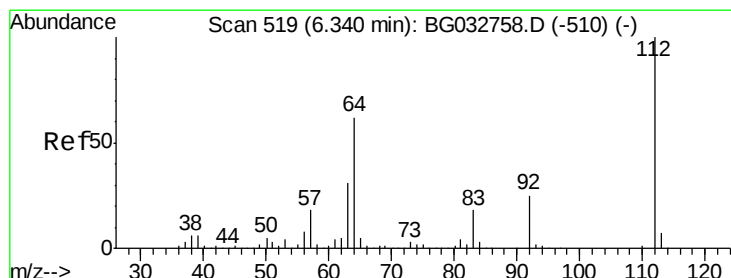
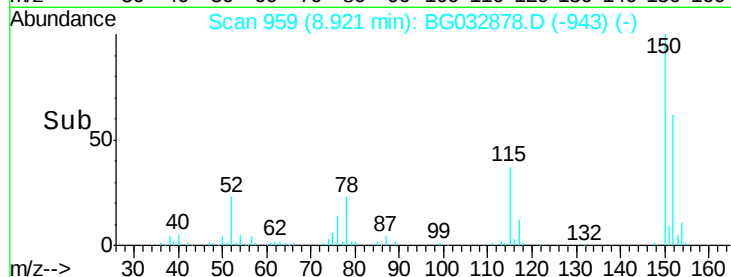
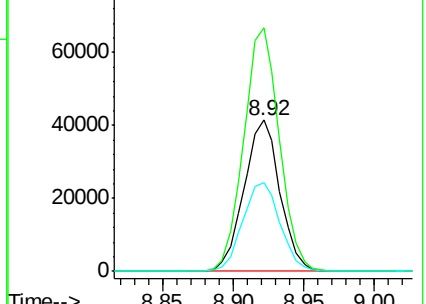
115 58.8 53.0 79.4



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: 120.688 ng

RT: 6.34 min Scan# 519

Delta R.T. 0.00 min

Lab File: BG032878.D

Acq: 28 Feb 2018 6:31

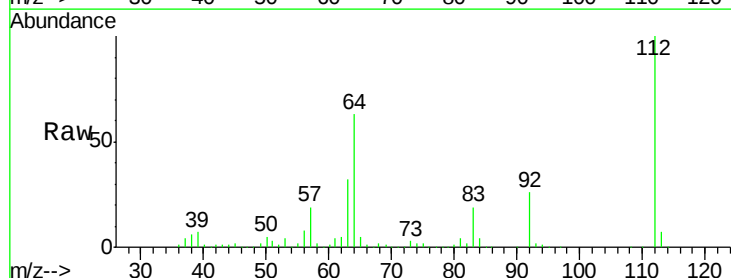
Tgt Ion:112 Resp: 555232

Ion Ratio Lower Upper

112 100

64 63.0 56.3 84.5

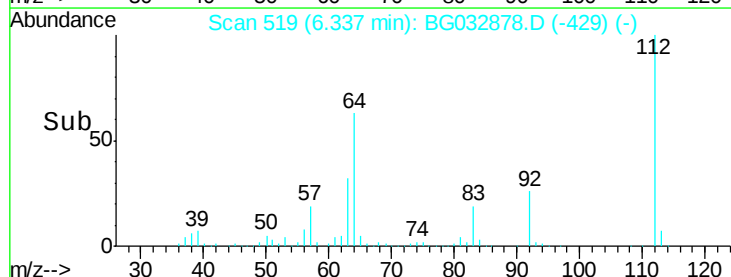
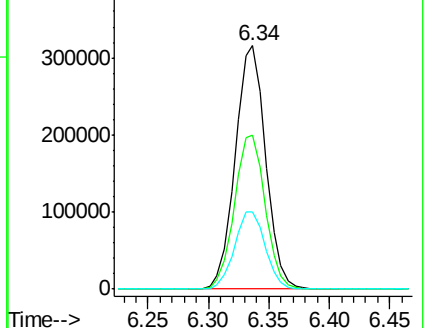
63 31.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 99.532 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032878.D

Acq: 28 Feb 2018 6:31

Instrument :

BNA_G

ClientSampleId :

T-3-SOIL

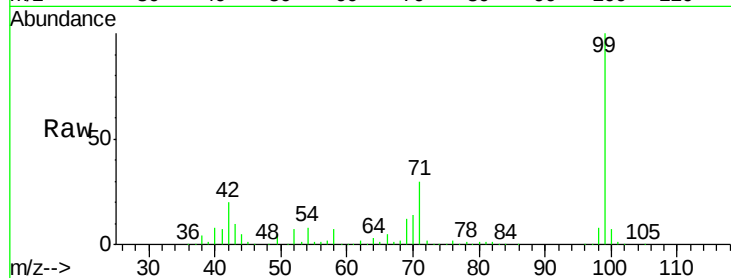
Tot Ion: 99 Resp: 638253

Ion Ratio Lower Upper

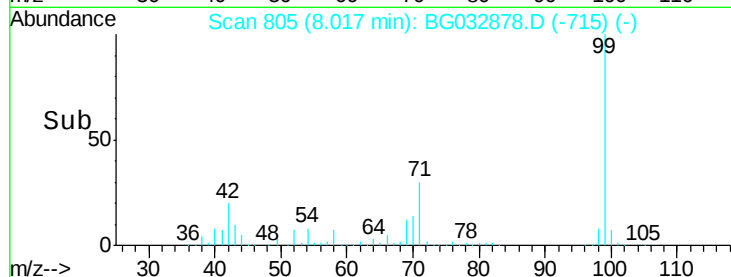
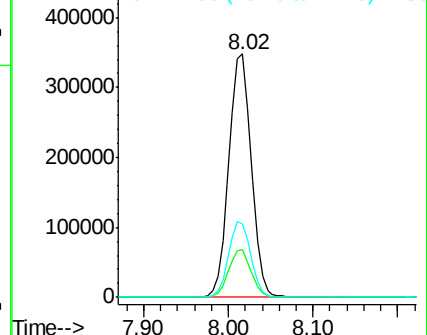
99 100

42 19.6 14.1 21.1

71 30.4 26.1 39.1



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: 11.81 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BG032878.D

Acq: 28 Feb 2018 6:31

Tgt Ion: 136 Resp: 316247

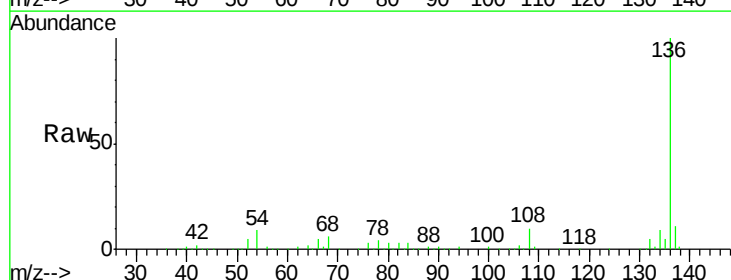
Ion Ratio Lower Upper

136 100

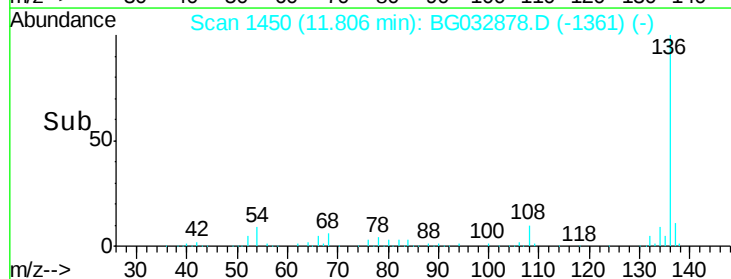
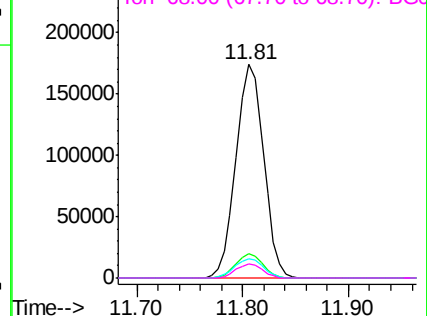
137 11.4 9.2 13.8

54 9.2 10.3 15.5#

68 6.3 4.5 6.7



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

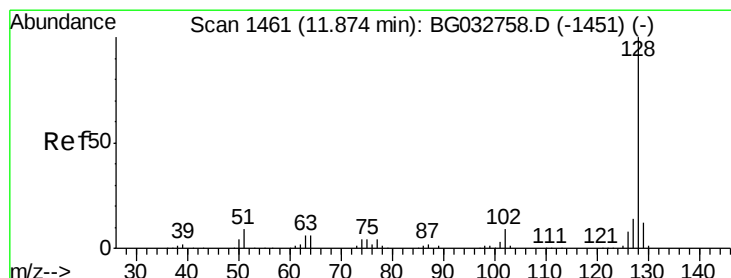
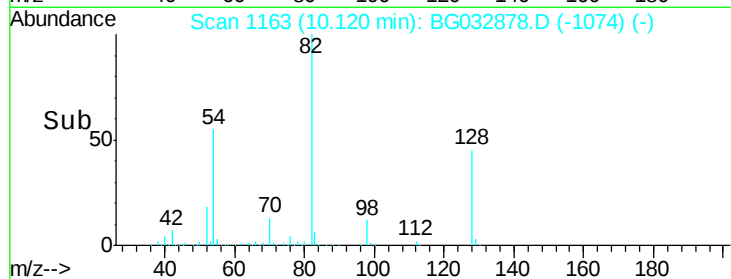
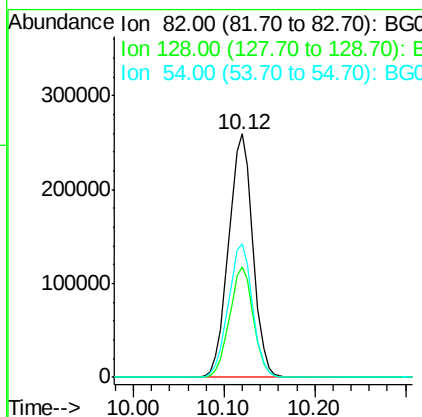
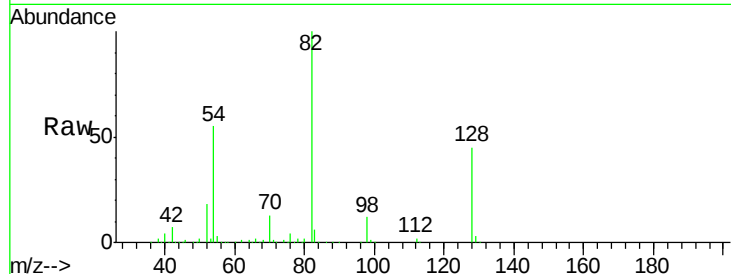




#23
 Nitrobenzene-d5
 Concen: 103.492 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BG032878.D
 Acq: 28 Feb 2018 6:31

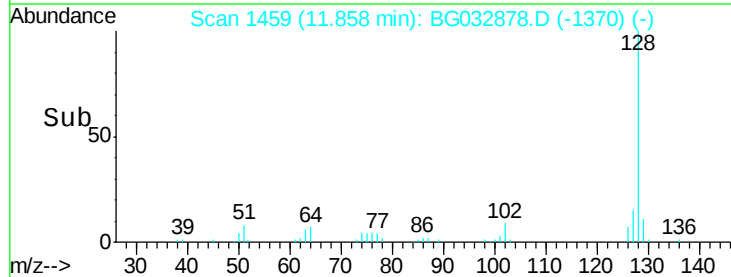
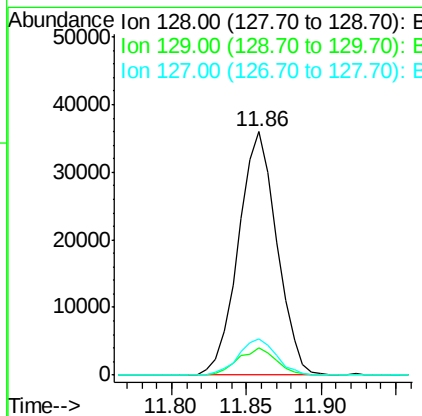
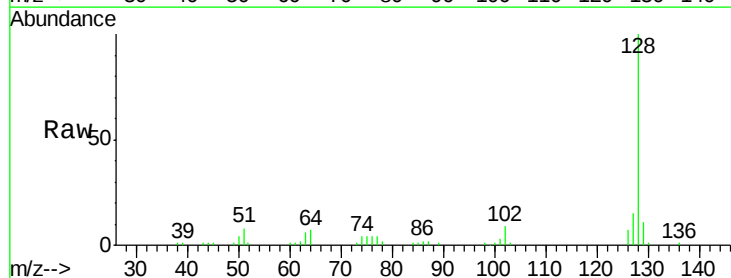
Instrument :
 BNA_G
 ClientSampleId :
 T-3-SOIL

Tot Ion	82	Resp	482759
Ion Ratio	Lower	Upper	
82	100		
128	45.2	29.7	44.5#
54	54.9	43.1	64.7



#31
 Naphthalene
 Concen: 3.884 ng
 RT: 11.86 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BG032878.D
 Acq: 28 Feb 2018 6:31

Tgt Ion	128	Resp	64191
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	12.8
127	14.8	11.6	17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032878.D

Acq: 28 Feb 2018 6:31

Instrument :

BNA_G

ClientSampleId :

T-3-SOIL

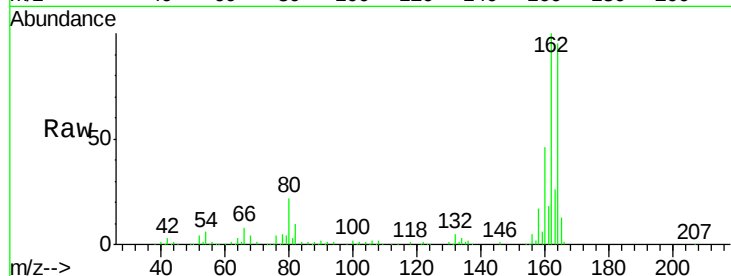
Tot Ion:164 Resp: 173592

Ion Ratio Lower Upper

164 100

162 105.1 78.8 118.2

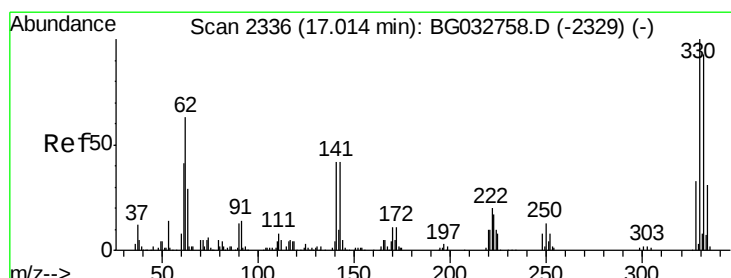
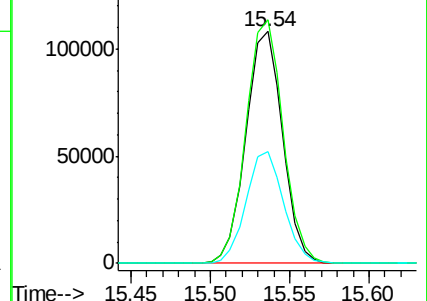
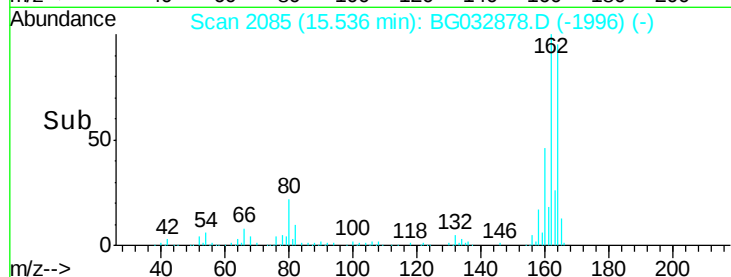
160 48.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 124.909 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BG032878.D

Acq: 28 Feb 2018 6:31

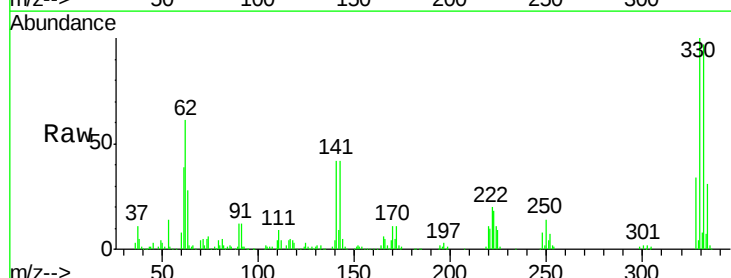
Tgt Ion:330 Resp: 227992

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

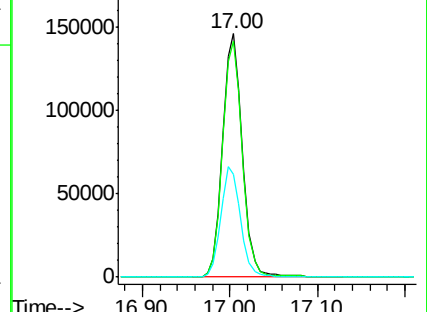
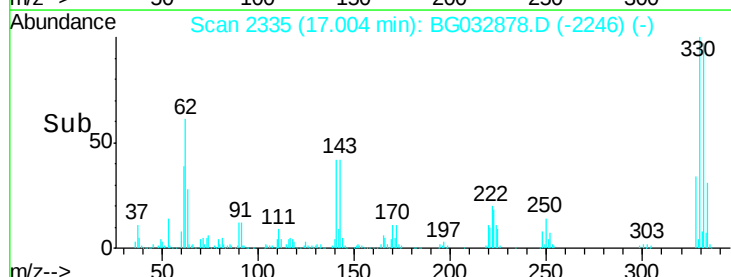
141 45.4 25.2 37.8#



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



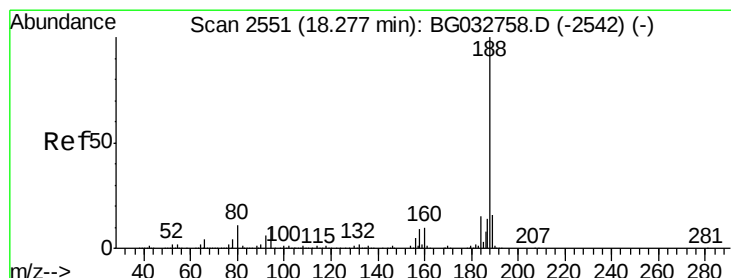
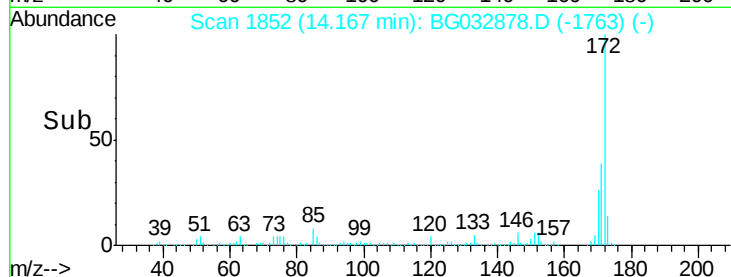
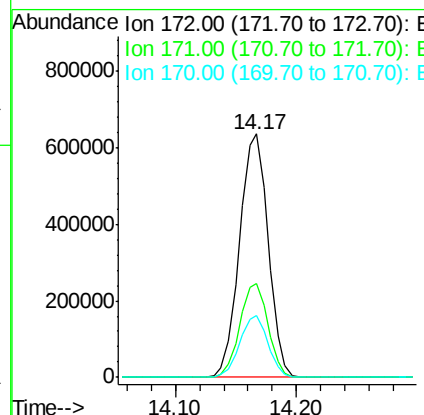
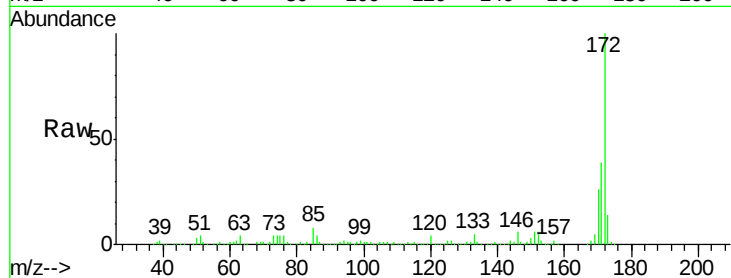


#44
 2-Fluorobiphenyl
 Concen: 87.514 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032878.D
 Acq: 28 Feb 2018 6:31

Instrument :
 BNA_G
 ClientSampleId :
 T-3-SOIL

Tot Ion:172 Resp: 1053331

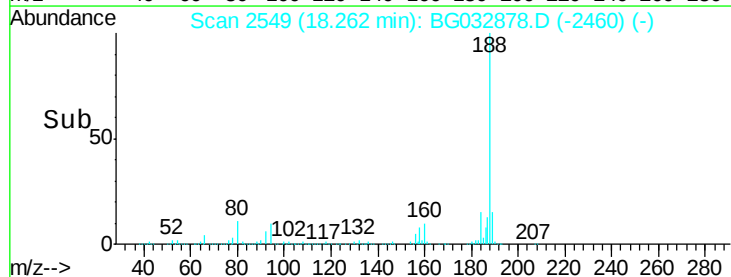
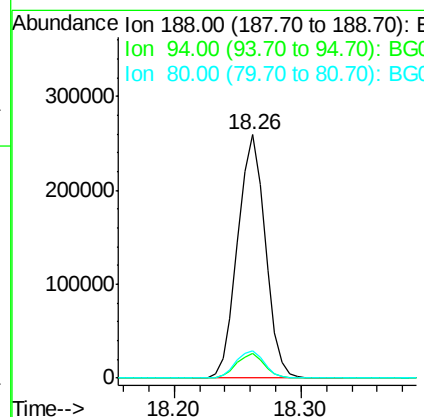
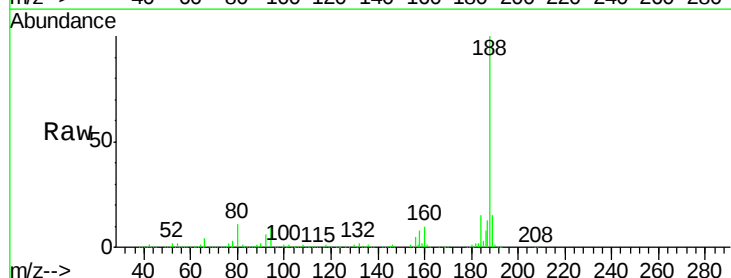
Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	25.5	19.5	29.3



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BG032878.D
 Acq: 28 Feb 2018 6:31

Tgt Ion:188 Resp: 391551

Ion	Ratio	Lower	Upper
188	100		
94	10.2	6.9	10.3
80	11.3	7.7	11.5

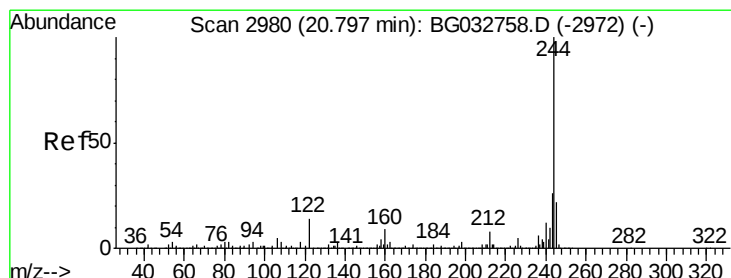
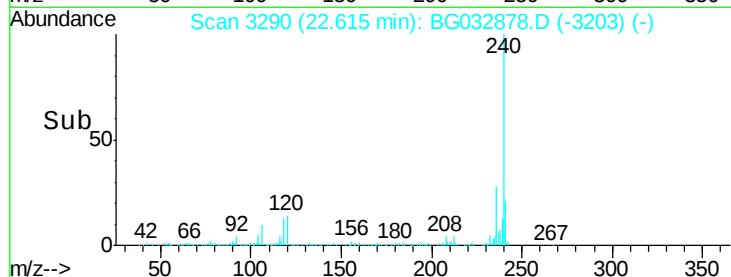
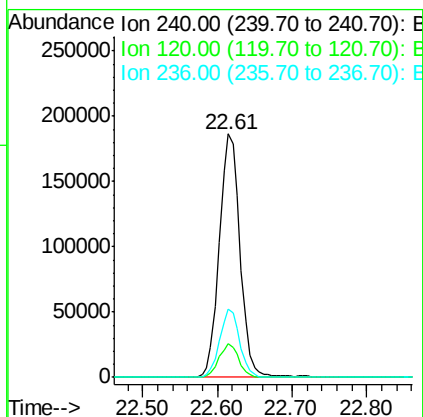
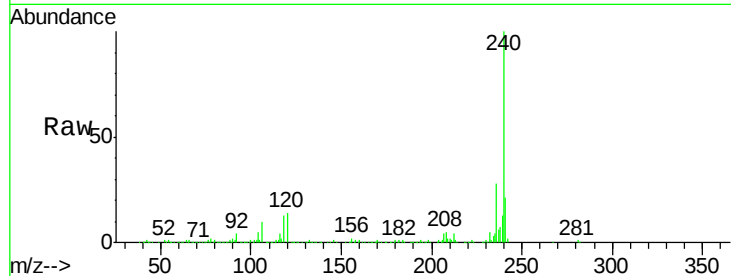




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032878.D
 Acq: 28 Feb 2018 6:31

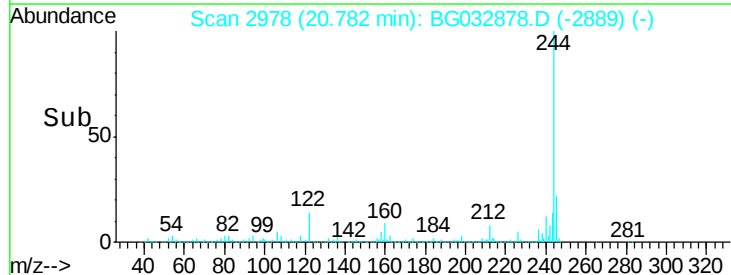
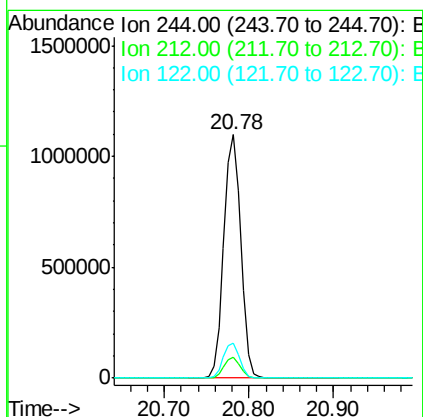
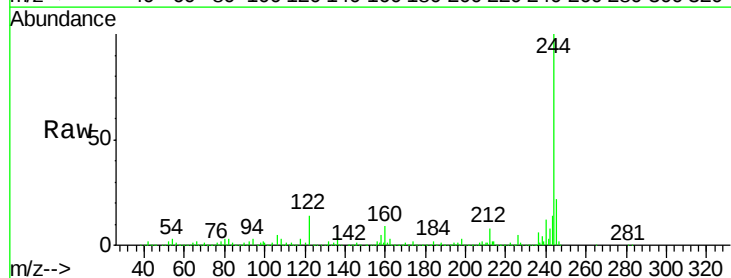
Instrument :
 BNA_G
 ClientSampleId :
 T-3-SOIL

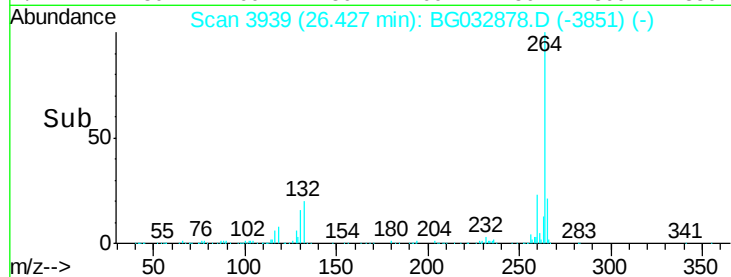
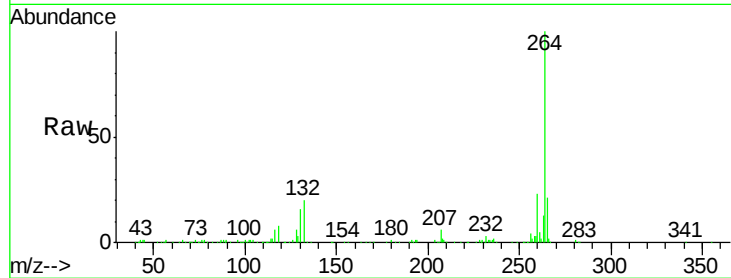
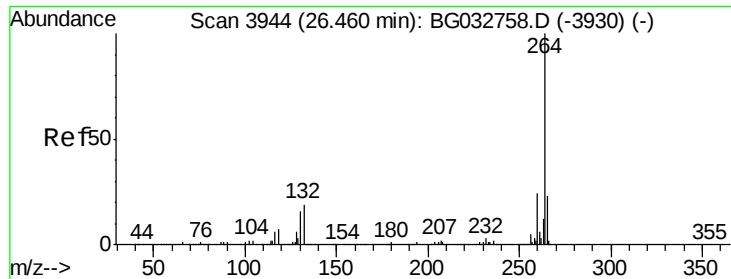
Tot Ion:240 Resp: 361287
 Ion Ratio Lower Upper
 240 100
 120 13.9 6.8 10.2#
 236 27.9 20.9 31.3



#78
 Terphenyl-d14
 Concen: 95.413 ng
 RT: 20.78 min Scan# 2978
 Delta R.T. -0.01 min
 Lab File: BG032878.D
 Acq: 28 Feb 2018 6:31

Tgt Ion:244 Resp: 1534290
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.8 8.8
 122 14.5 7.0 10.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032878.D

Acq: 28 Feb 2018 6:31

Instrument :

BNA_G

ClientSampleId :

T-3-SOIL

Tot Ion:264 Resp: 368527

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 21.2 17.7 26.5

