

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062716\
 Data File : BG022661.D
 Acq On : 28 Jun 2016 3:18
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-5PPM
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jun 28 07:41:15 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	119532	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	516590	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	394520	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1059342	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1237661	20.00	ng	0.00
86) Perylene-d12	25.21	264	1268732	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	787747	105.70	ng	0.00
7) Phenol-d6	7.31	99	1154551	109.91	ng	0.00
23) Nitrobenzene-d5	9.33	82	781740	64.05	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	658395	106.10	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1626266	65.37	ng	0.00
78) Terphenyl-d14	20.15	244	2765519	59.20	ng	0.00

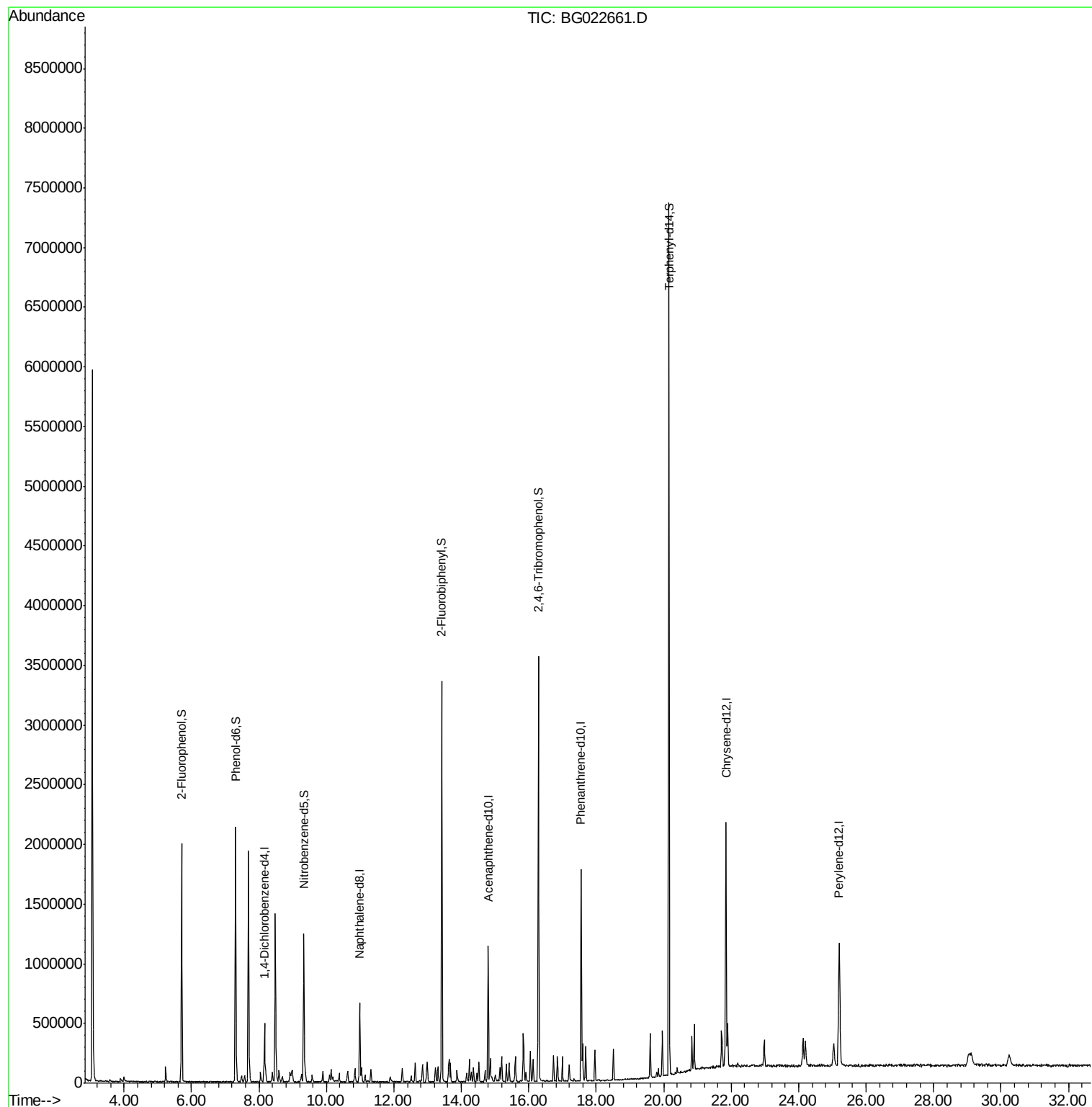
Target Compounds Qvalue

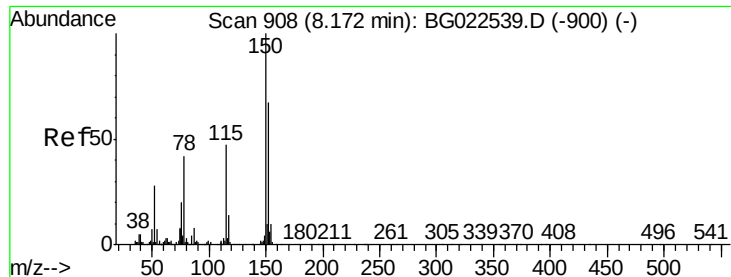
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

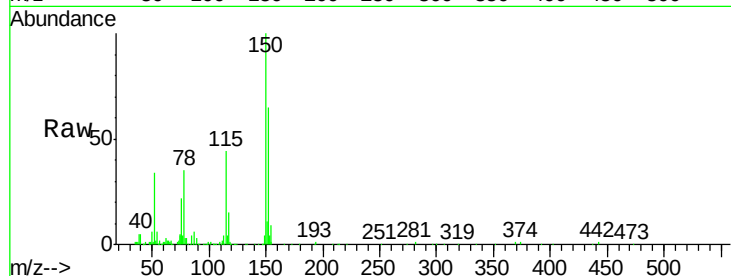
Tot Ion:152 Resp: 119532

Ion Ratio Lower Upper

152 100

150 153.3 144.7 217.1

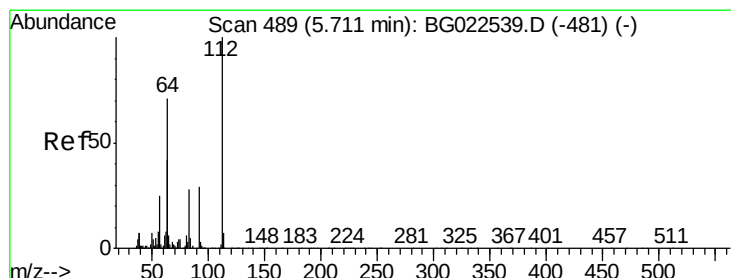
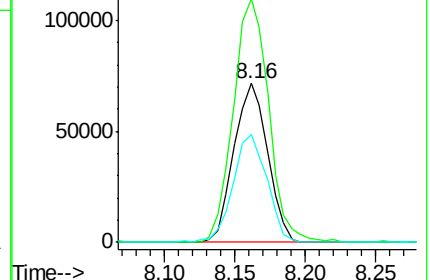
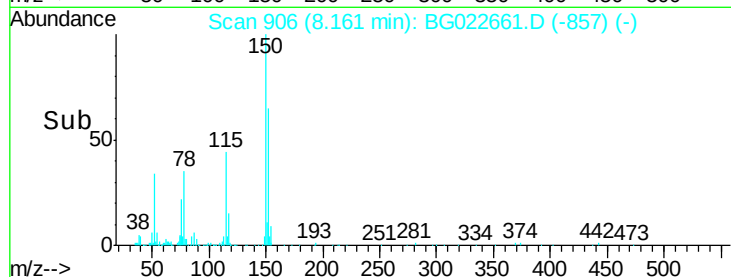
115 67.7 64.0 96.0



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: 105.70 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

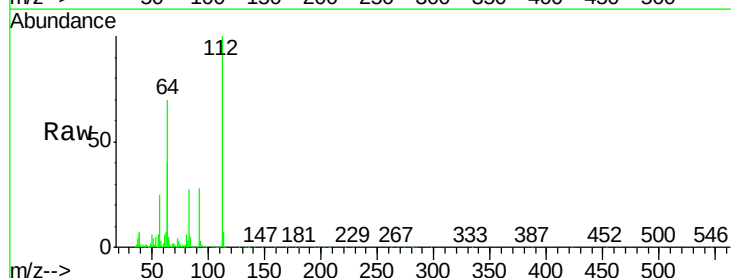
Tgt Ion:112 Resp: 787747

Ion Ratio Lower Upper

112 100

64 70.1 59.0 88.4

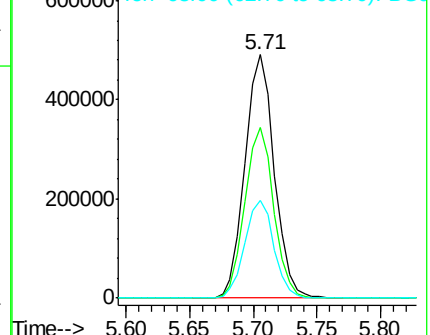
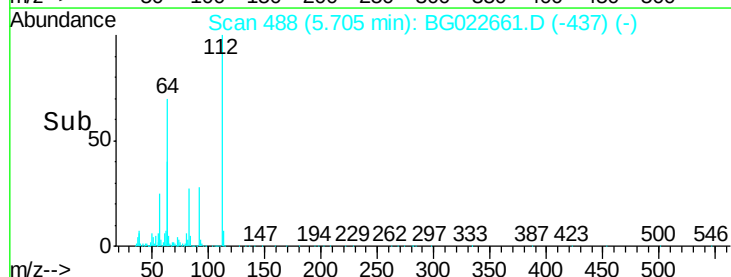
63 40.1 37.8 56.8

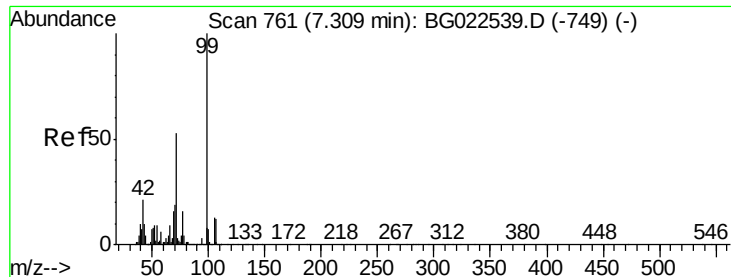


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 109.91 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

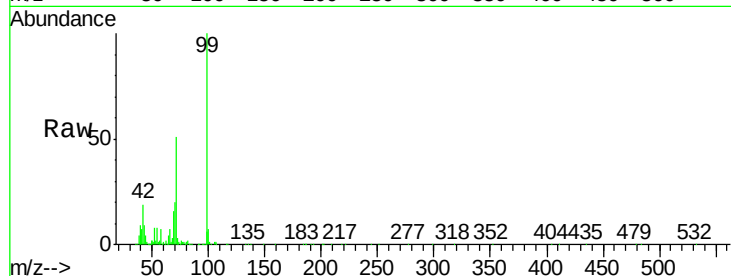
BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 99 Resp: 1154551

Ion	Ratio	Lower	Upper
99	100		
42	19.3	17.8	26.6
71	50.6	41.5	62.3



Abundance

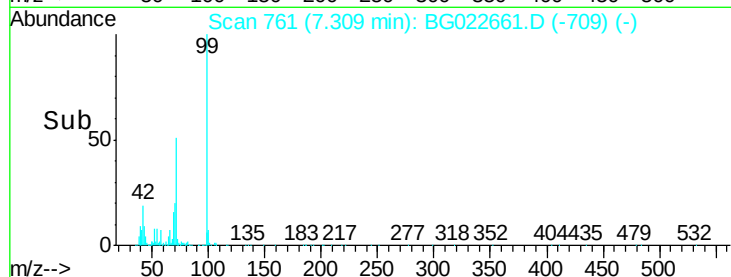
Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

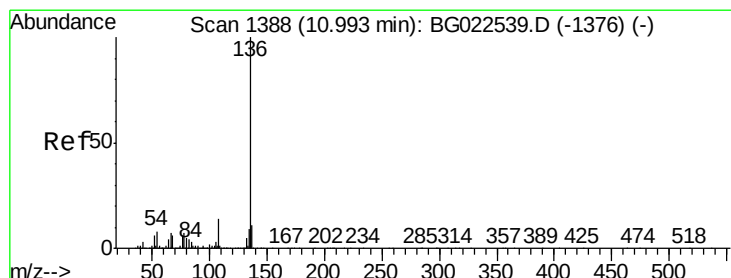
Ion 71.00 (70.70 to 71.70): BGC

7.31

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1387

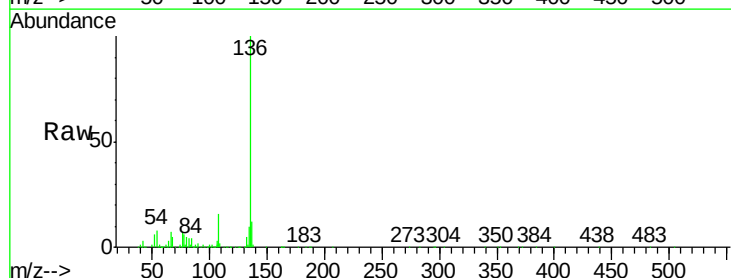
Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Tgt Ion: 136 Resp: 516590

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.6	14.4
54	7.7	7.3	10.9
68	5.5	5.3	7.9



Abundance

Ion 136.00 (135.70 to 136.70): BGC

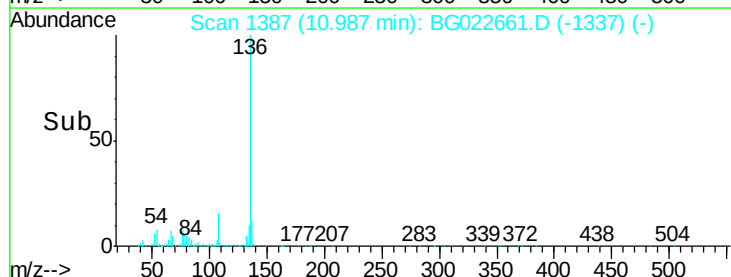
Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

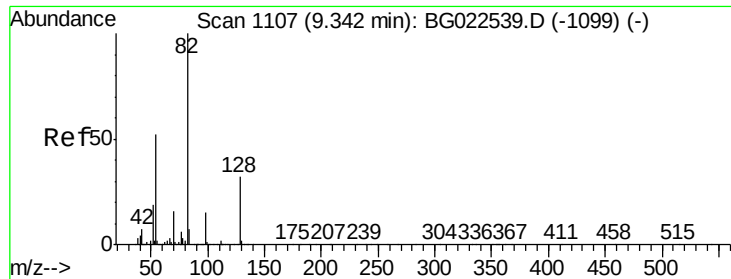
Ion 68.00 (67.70 to 68.70): BGC

10.99

Time-->



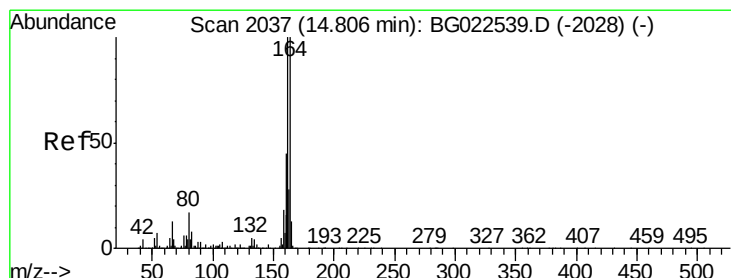
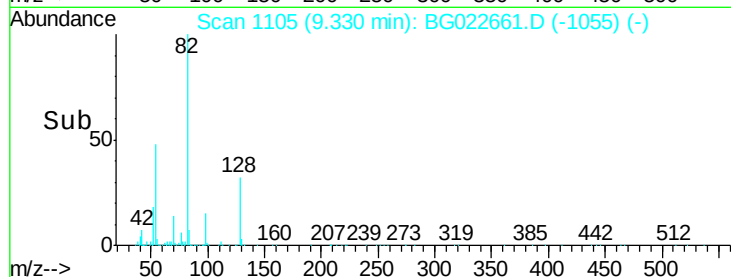
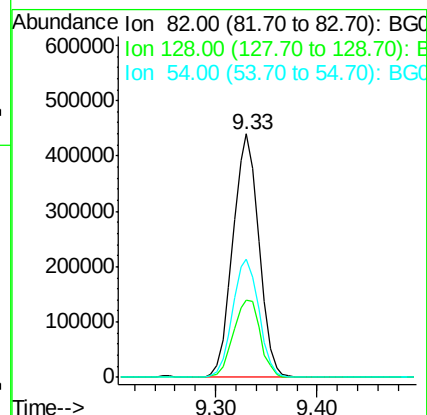
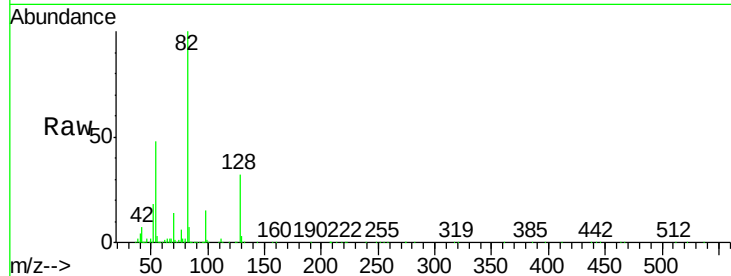
Time-->



#23
Nitrobenzene-d5
Concen: 64.05 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

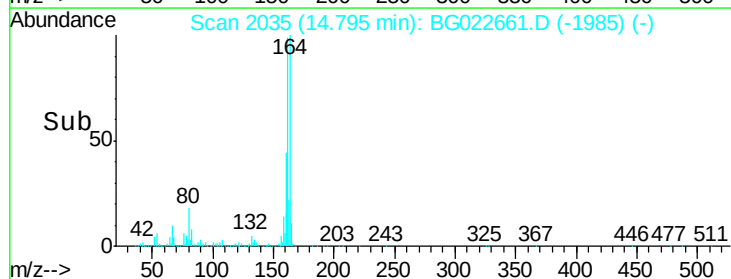
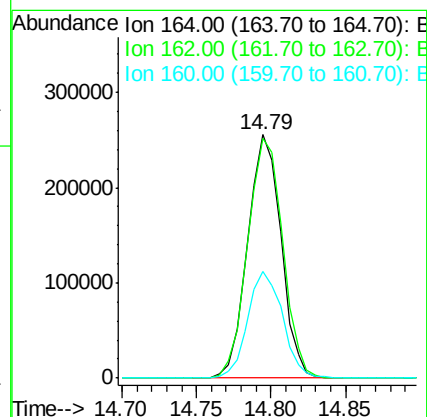
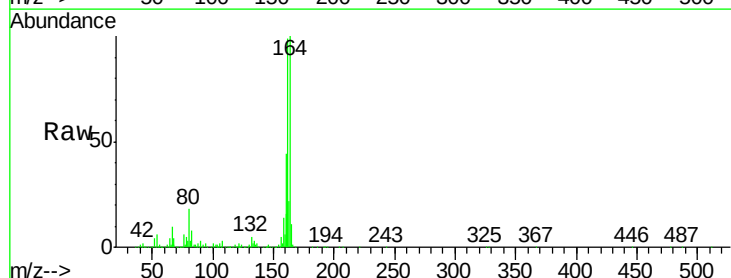
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

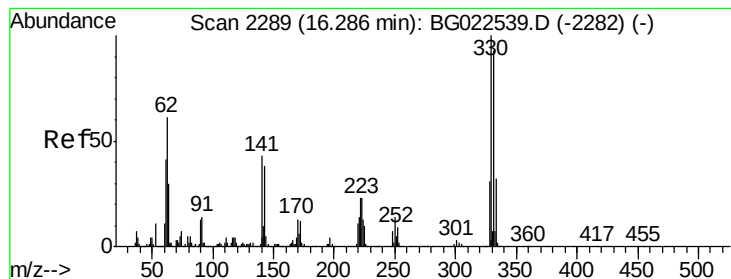
Tot Ion	82	Resp	781740
Ion Ratio	Lower	Upper	
82	100		
128	31.8	24.4	36.6
54	48.3	41.4	62.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.79 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion	164	Resp	394520
Ion Ratio	Lower	Upper	
164	100		
162	98.5	87.7	131.5
160	43.8	37.2	55.8





#41

2,4,6-Tribromophenol

Concen: 106.10 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

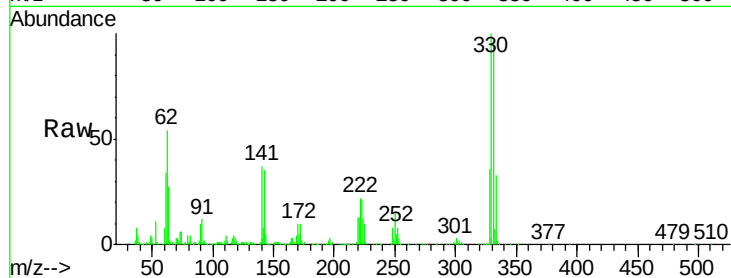
Tot Ion:330 Resp: 658395

Ion Ratio Lower Upper

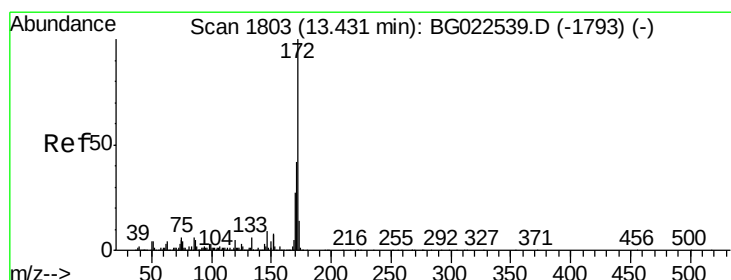
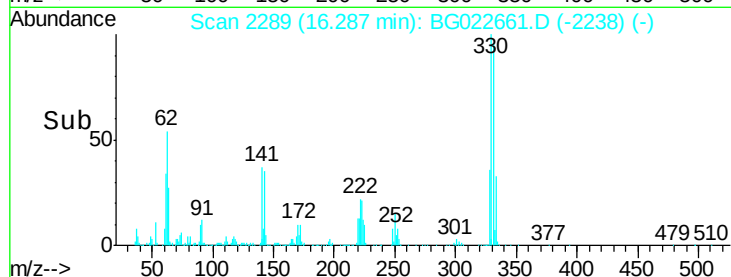
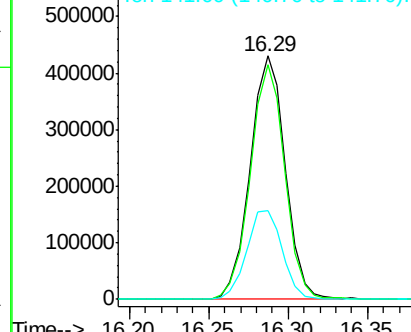
330 100

332 94.9 77.4 116.2

141 37.4 31.7 47.5



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: 65.37 ng

RT: 13.42 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

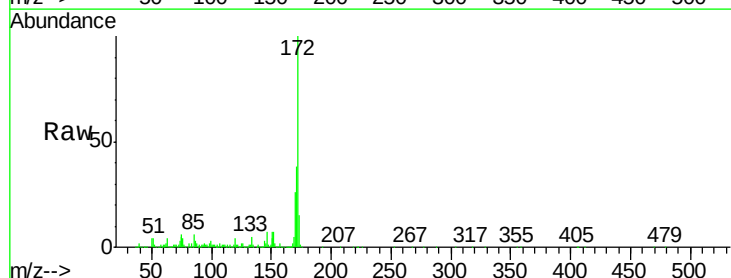
Tgt Ion:172 Resp: 1626266

Ion Ratio Lower Upper

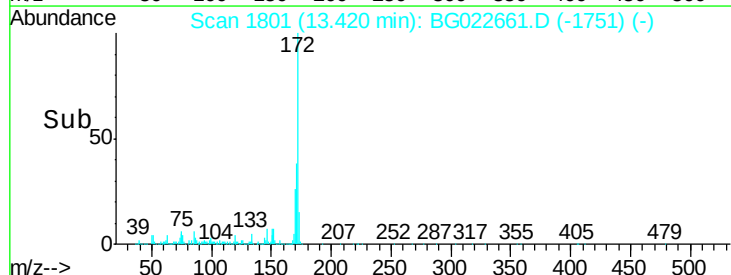
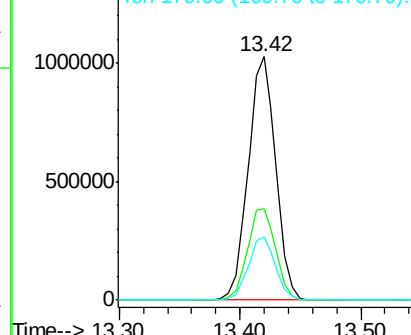
172 100

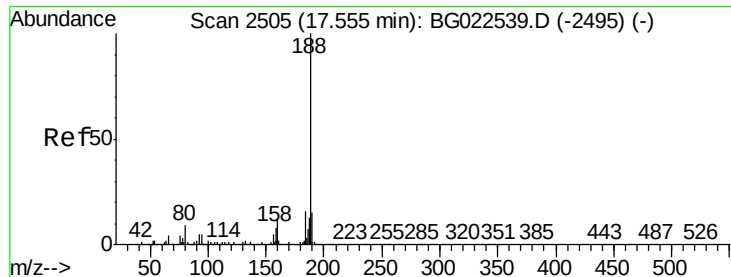
171 37.7 31.6 47.4

170 26.1 21.3 31.9



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

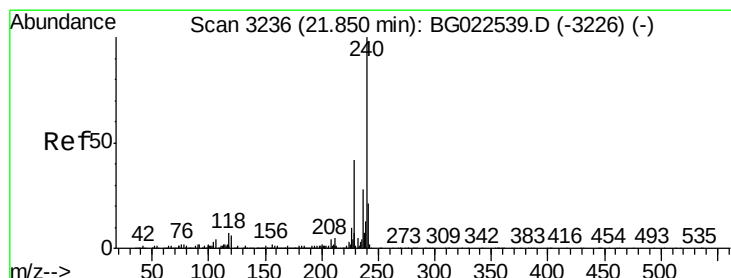
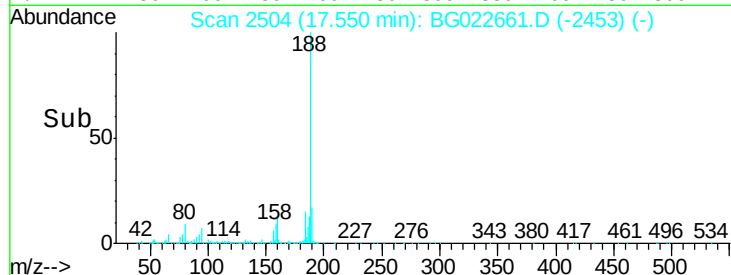
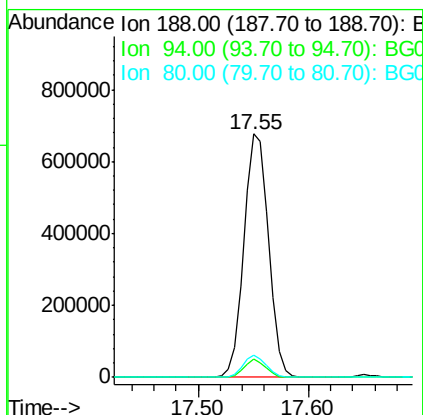
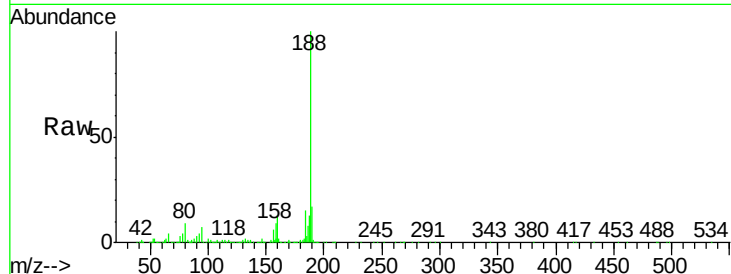




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

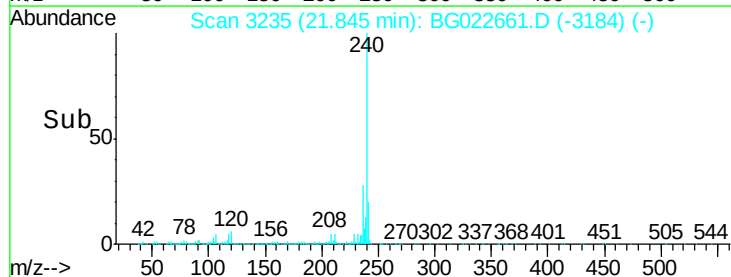
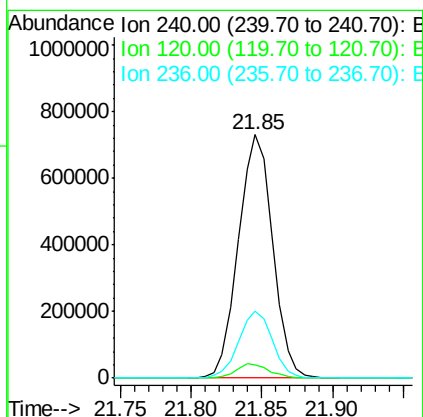
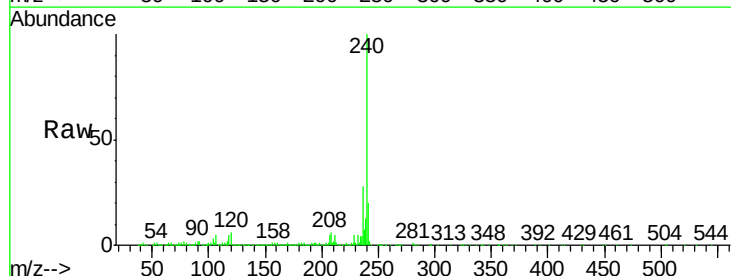
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

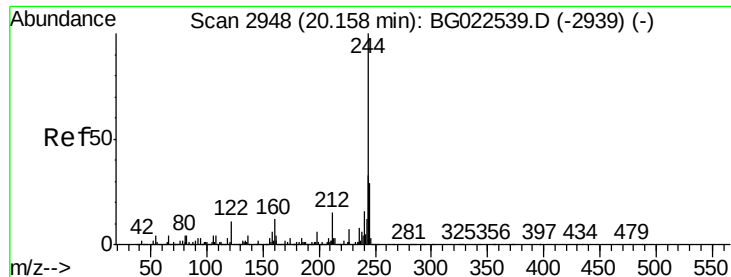
Tot Ion:188 Resp: 1059342
Ion Ratio Lower Upper
188 100
94 7.3 5.2 7.8
80 9.0 7.2 10.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. -0.00 min
Lab File: BG022661.D
Acq: 28 Jun 2016 3:18

Tgt Ion:240 Resp: 1237661
Ion Ratio Lower Upper
240 100
120 5.6 4.1 6.1
236 27.5 21.1 31.7





#78

Terphenyl-d14

Concen: 59.20 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

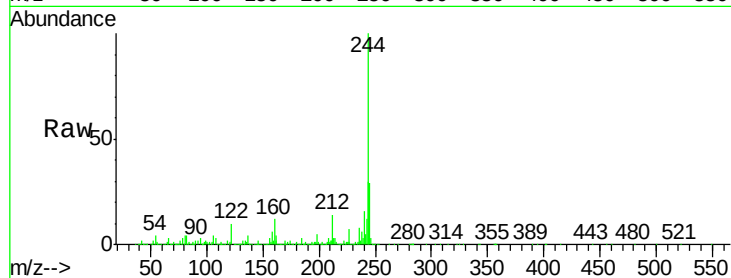
Tot Ion:244 Resp: 2765519

Ion Ratio Lower Upper

244 100

212 13.8 10.8 16.2

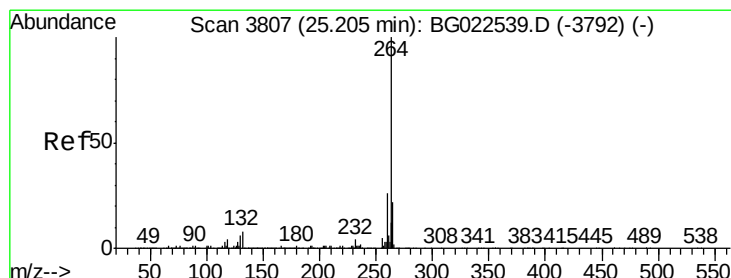
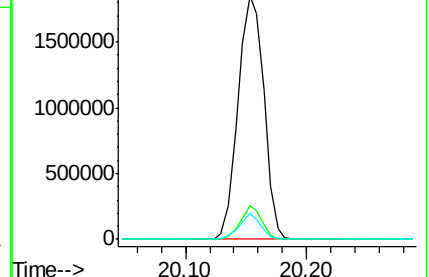
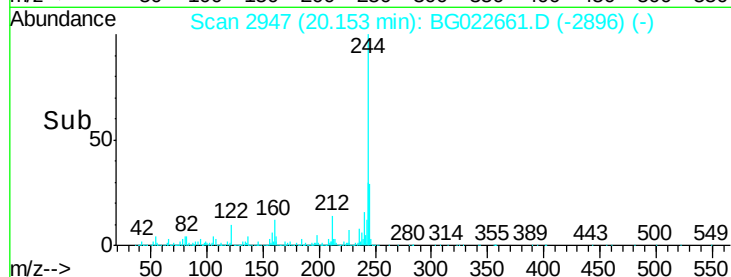
122 10.5 8.0 12.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.21 min Scan# 3807

Delta R.T. -0.00 min

Lab File: BG022661.D

Acq: 28 Jun 2016 3:18

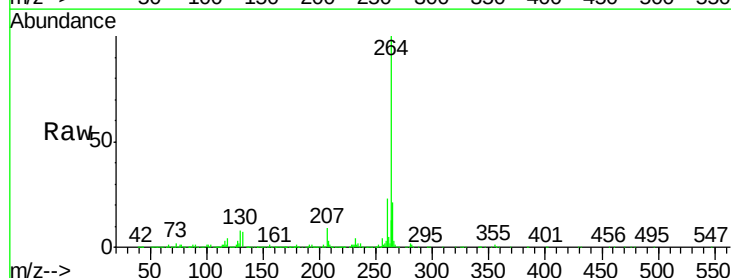
Tgt Ion:264 Resp: 1268732

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 21.2 18.9 28.3



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

