

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009327.D
 Acq On : 22 Mar 2017 20:35
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 5 PPB
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 23 15:21:16 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 16:43:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	164825	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	590642	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	330250	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	748123	20.00	ng	0.00
75) Chrysene-d12	21.43	240	928113	20.00	ng	0.00
86) Perylene-d12	23.75	264	863797	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1413473	142.94	ng	0.00
7) Phenol-d6	7.02	99	1853810	137.48	ng	0.00
23) Nitrobenzene-d5	9.03	82	1420332	90.16	ng	0.00
41) 2,4,6-Tribromophenol	16.00	330	601029	146.50	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	2558919	93.36	ng	0.00
78) Terphenyl-d14	19.87	244	3592233	80.88	ng	0.00

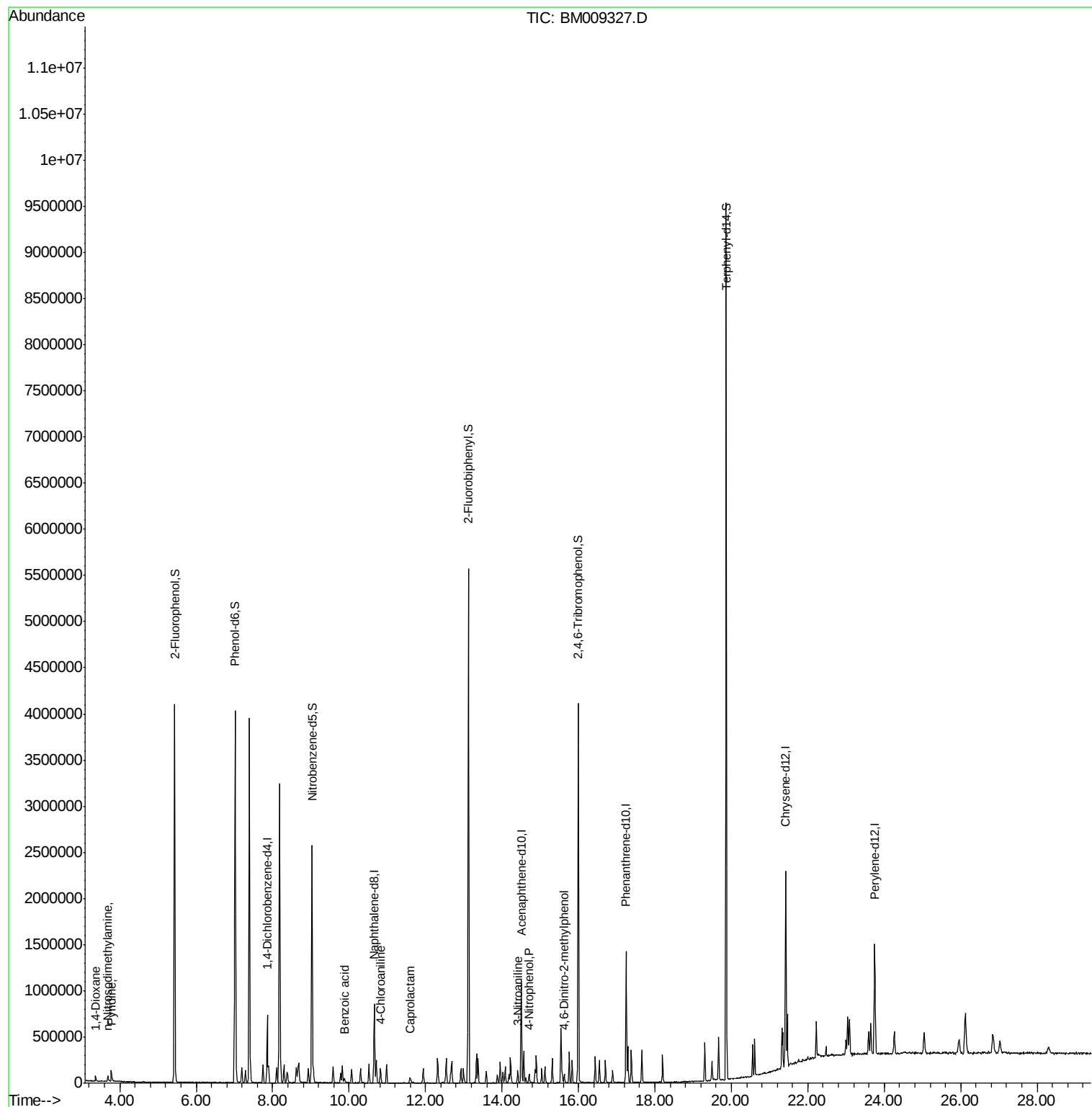
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	27121	5.45	ng	# 100
3) Pyridine	3.78	79	68972	4.91	ng	# 86
4) n-Nitrosodimethylamine	3.69	42	35903	4.80	ng	# 72
32) Benzoic acid	9.88	122	14389m	2.48	ng	
33) 4-Chloroaniline	10.82	127	63910	5.28	ng	# 76
35) Caprolactam	11.60	113	10663	3.92	ng	# 69
52) 3-Nitroaniline	14.42	138	24219	4.50	ng	# 37
55) 4-Nitrophenol	14.71	139	16363	3.68	ng	# 42
64) 4,6-Dinitro-2-methylphenol	15.63	198	16563	3.51	ng	94

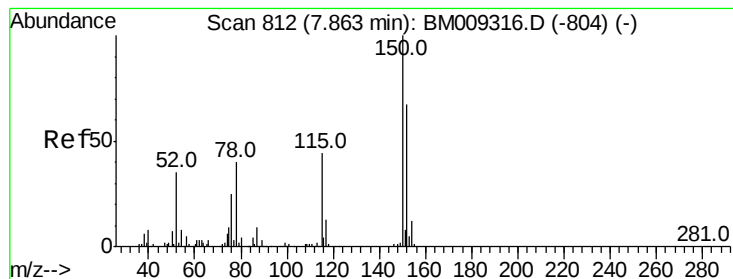
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
Data File : BM009327.D
Acq On : 22 Mar 2017 20:35
Operator : SJ/MA
Sample : I2296-01
Misc : LOD 5 PPB
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

Quant Time: Mar 23 15:21:16 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 16:43:02 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.86 min Scan# 811

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

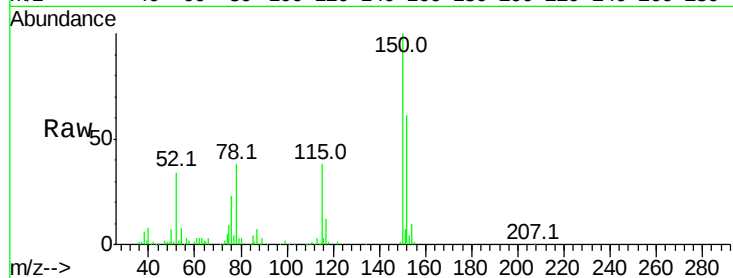
Tot Ion:152 Resp: 164825

Ion Ratio Lower Upper

152 100

150 162.7 119.5 179.3

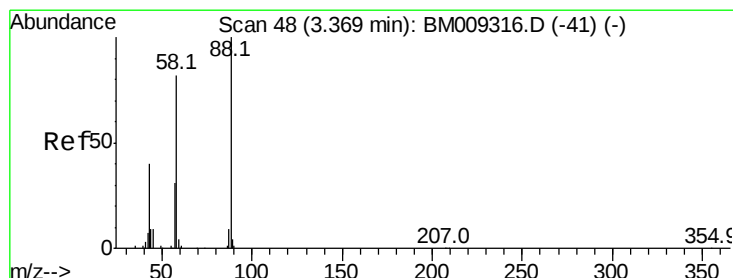
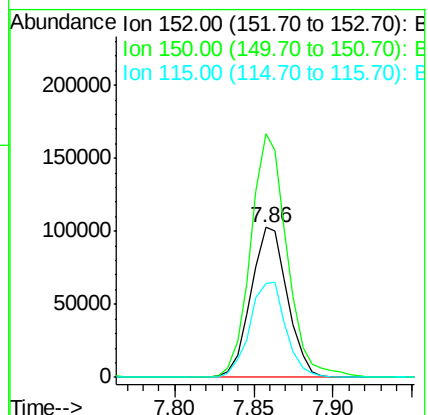
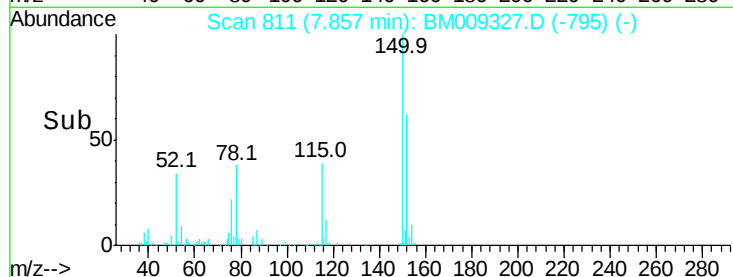
115 62.5 43.0 64.4



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



#2

1,4-Dioxane

Concen: 5.45 ng

RT: 3.37 min Scan# 48

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

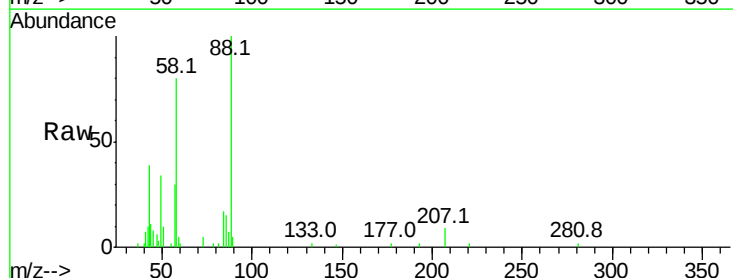
Tgt Ion: 88 Resp: 27121

Ion Ratio Lower Upper

88 100

58 79.0 0.0 0.0#

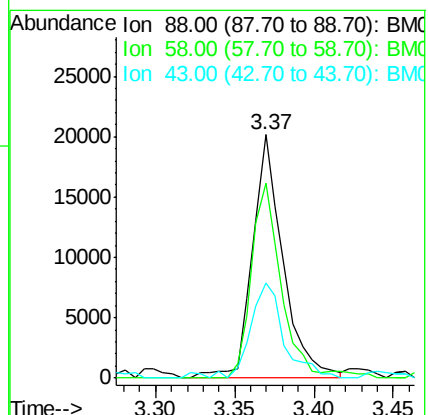
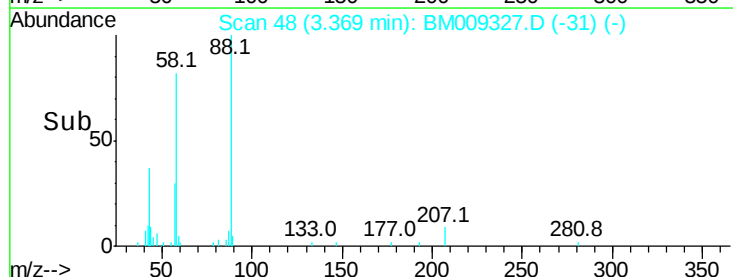
43 42.4 0.0 0.0#

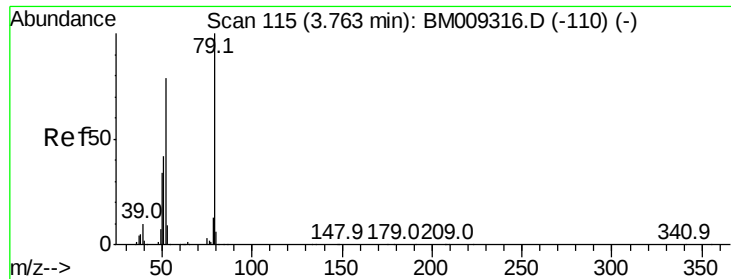


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 4.91 ng

RT: 3.78 min Scan# 117

Delta R.T. 0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

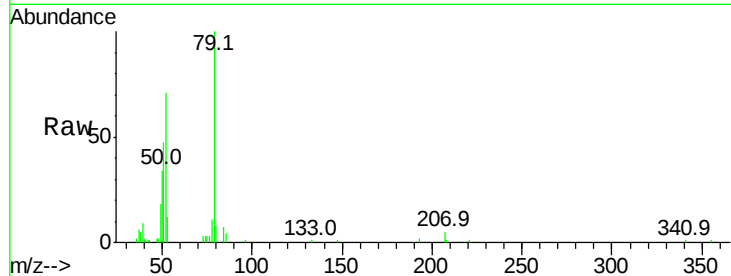
Tot Ion: 79 Resp: 68972

Ion Ratio Lower Upper

79 100

52 70.6 51.1 76.7

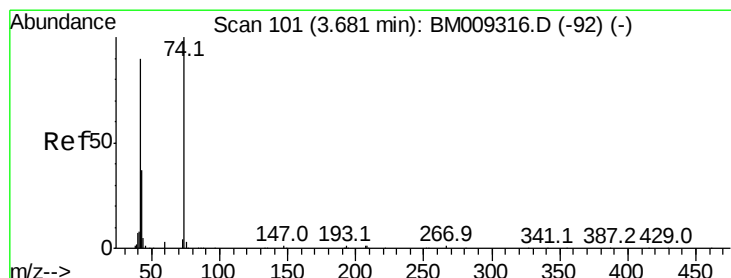
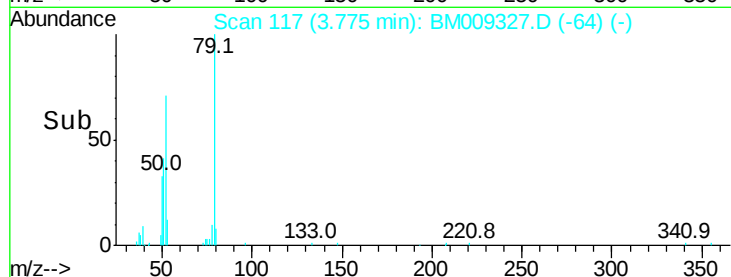
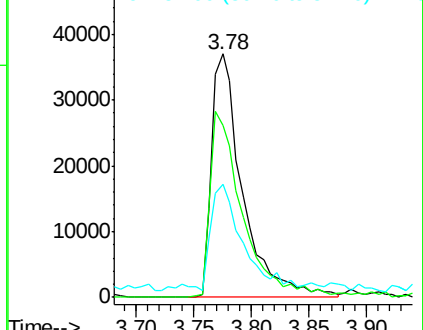
51 46.7 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM009327.D (-110) (-)

Ion 52.00 (51.70 to 52.70): BM009327.D (-110) (-)

Ion 51.00 (50.70 to 51.70): BM009327.D (-110) (-)



#4

n-Nitrosodimethylamine

Concen: 4.80 ng

RT: 3.69 min Scan# 102

Delta R.T. 0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

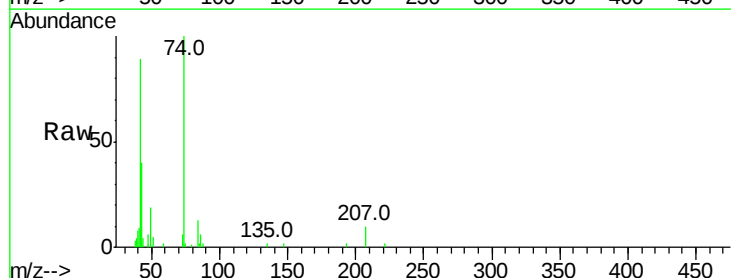
Tgt Ion: 42 Resp: 35903

Ion Ratio Lower Upper

42 100

74 111.8 119.3 178.9#

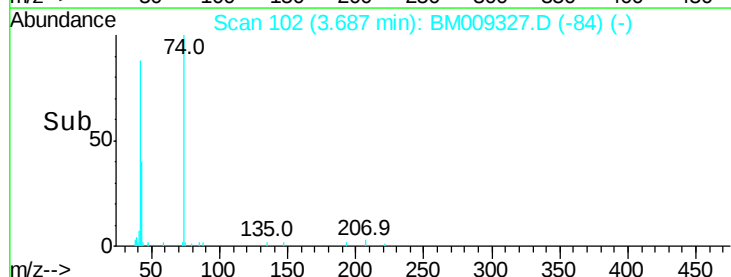
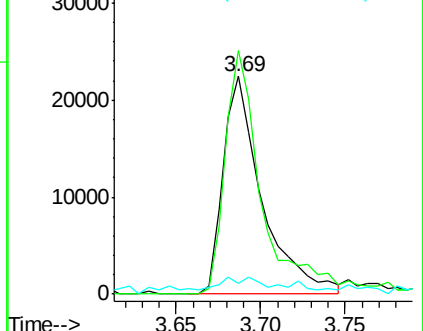
44 4.8 5.4 8.2#

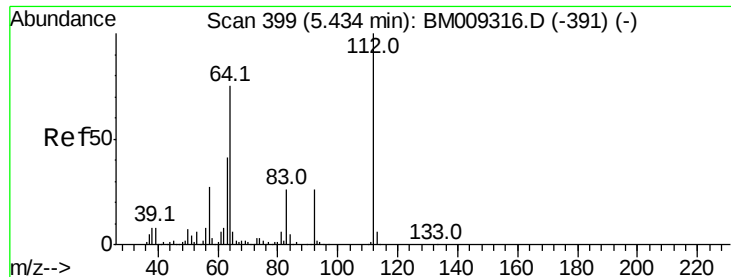


Abundance Ion 42.00 (41.70 to 42.70): BM009327.D (-84) (-)

Ion 74.00 (73.70 to 74.70): BM009327.D (-84) (-)

Ion 44.00 (43.70 to 44.70): BM009327.D (-84) (-)





#5

2-Fluorophenol

Concen: 142.94 ng

RT: 5.43 min Scan# 399

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

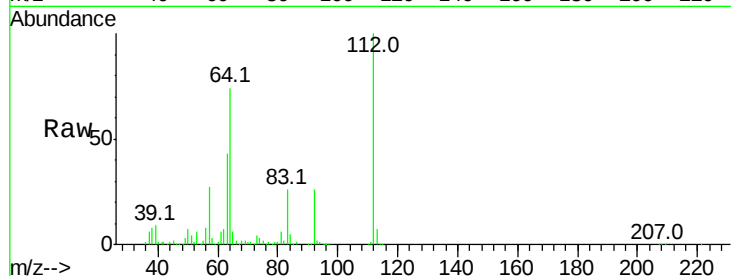
Tot Ion:112 Resp: 1413473

Ion Ratio Lower Upper

112 100

64 73.6 38.6 57.8#

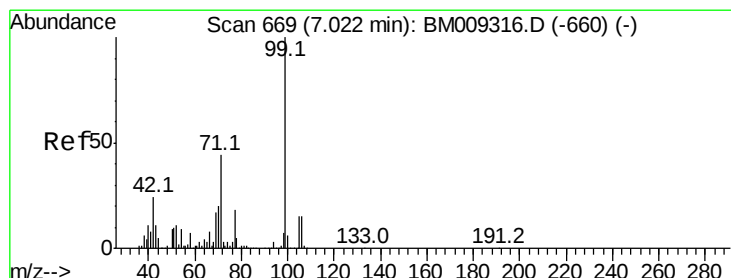
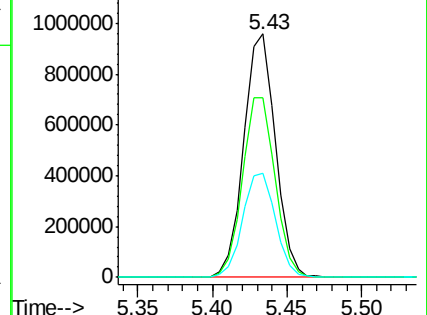
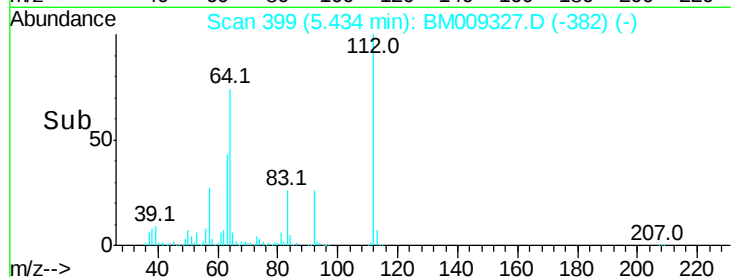
63 42.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 137.48 ng

RT: 7.02 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

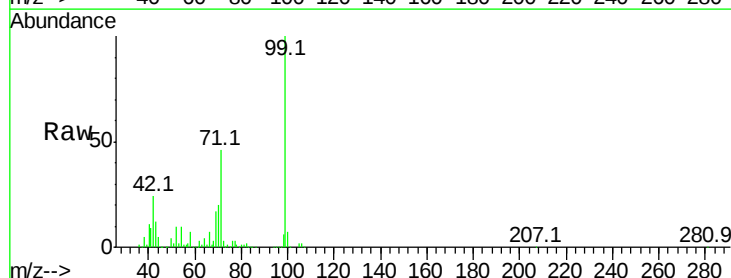
Tgt Ion: 99 Resp: 1853810

Ion Ratio Lower Upper

99 100

42 24.4 11.0 16.4#

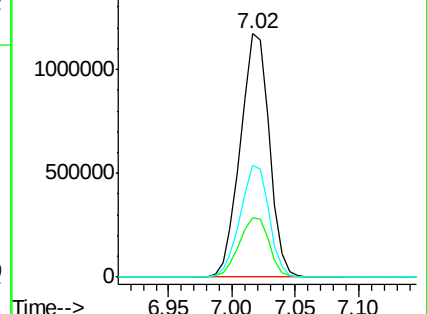
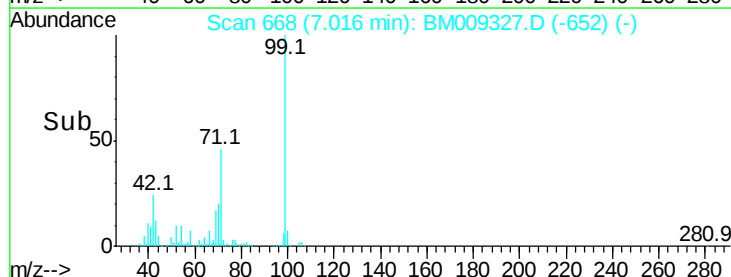
71 45.8 23.4 35.2#

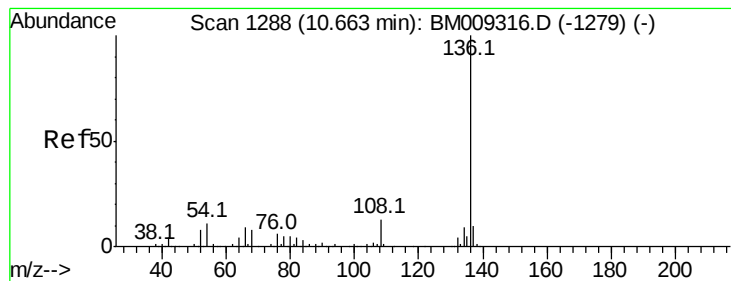


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136 Resp: 590642

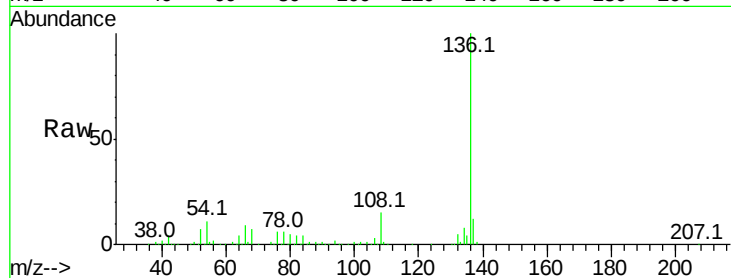
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 11.3 4.6 6.8#

68 7.0 3.7 5.5#

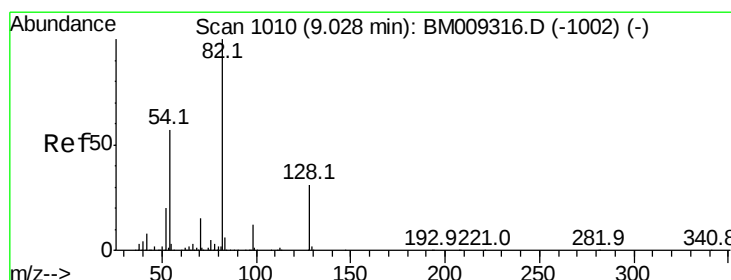
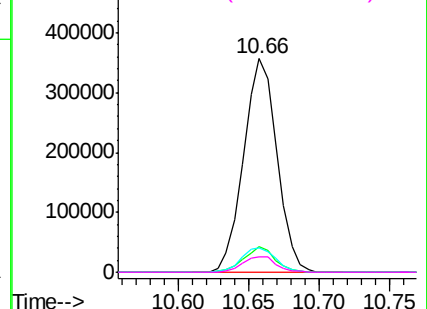
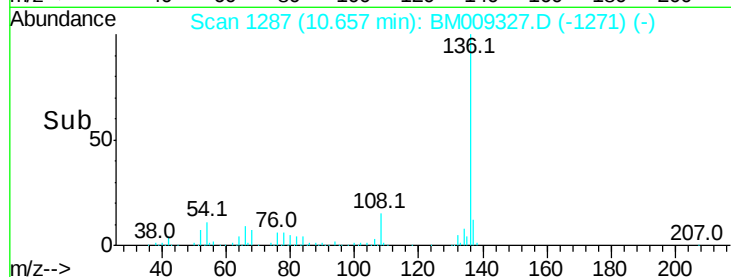


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23

Nitrobenzene-d5

Concen: 90.16 ng

RT: 9.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

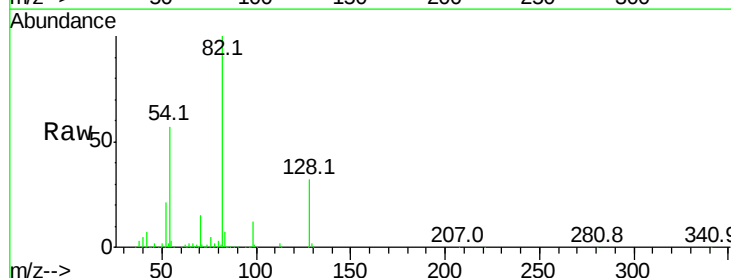
Tgt Ion: 82 Resp: 1420332

Ion Ratio Lower Upper

82 100

128 31.5 32.8 49.2#

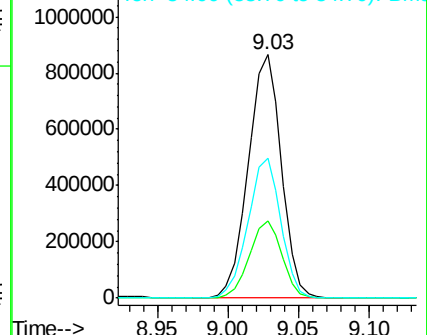
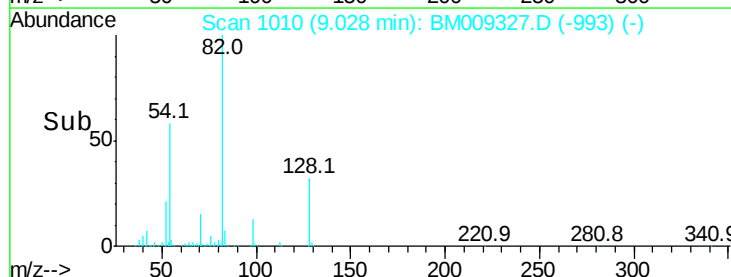
54 57.4 40.6 60.8

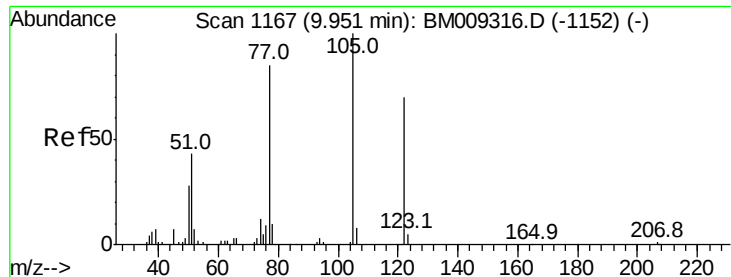


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

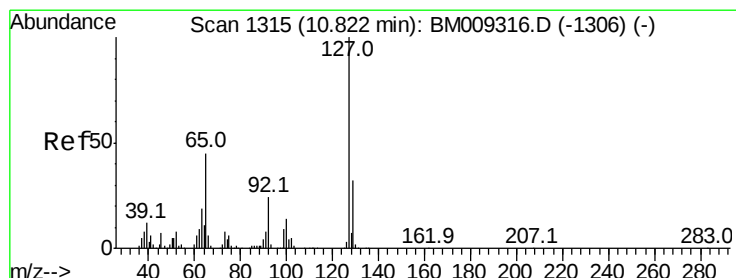
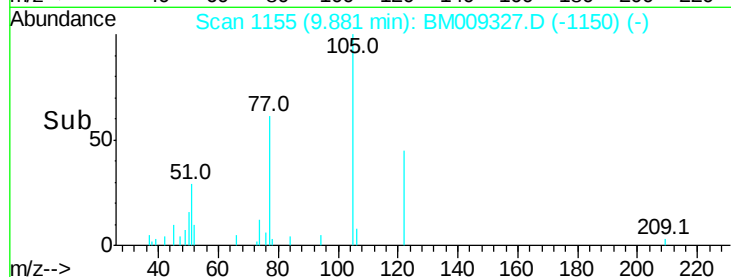
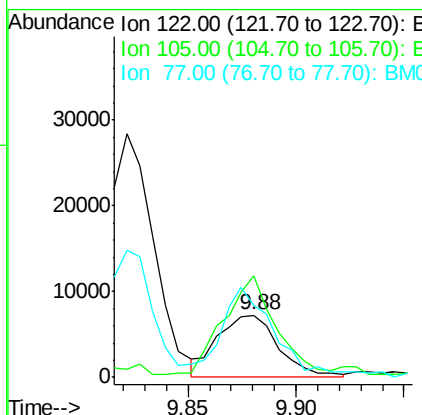
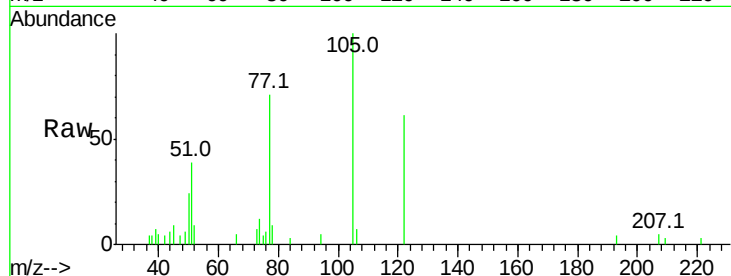




#32
Benzoic acid
Concen: 2.48 ng m
RT: 9.88 min Scan# 1155
Delta R.T. -0.07 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

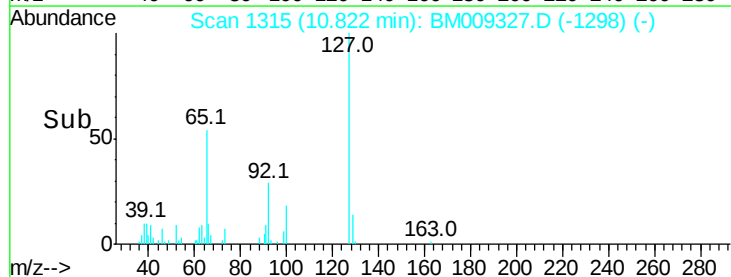
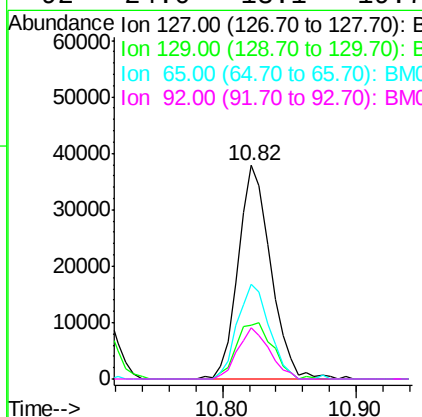
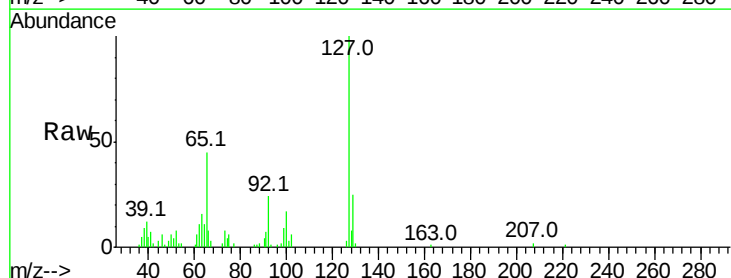
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

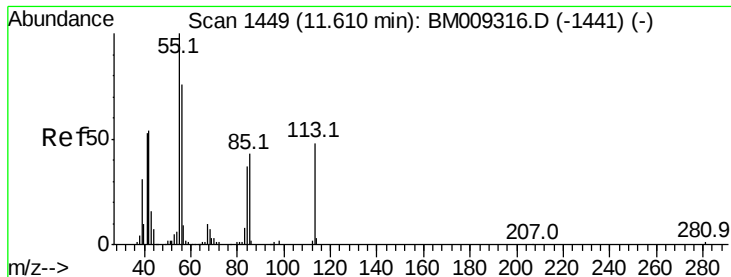
Tot Ion:122 Resp: 14389
Ion Ratio Lower Upper
122 100
105 162.7 99.9 139.9#
77 115.8 73.7 113.7#



#33
4-Chloroaniline
Concen: 5.28 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion:127 Resp: 63910
Ion Ratio Lower Upper
127 100
129 25.4 25.3 37.9
65 44.6 17.6 26.4#
92 24.0 13.1 19.7#





#35

Caprolactam

Concen: 3.92 ng

RT: 11.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

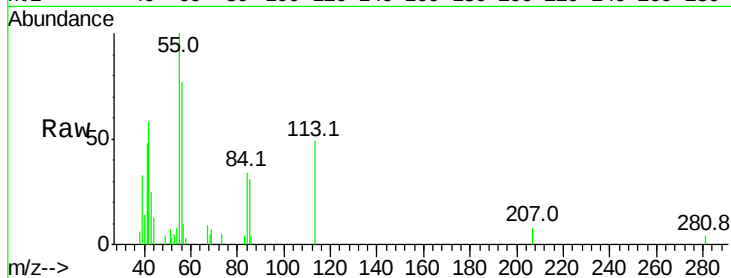
Tot Ion:113 Resp: 10663

Ion Ratio Lower Upper

113 100

55 205.4 145.9 185.9#

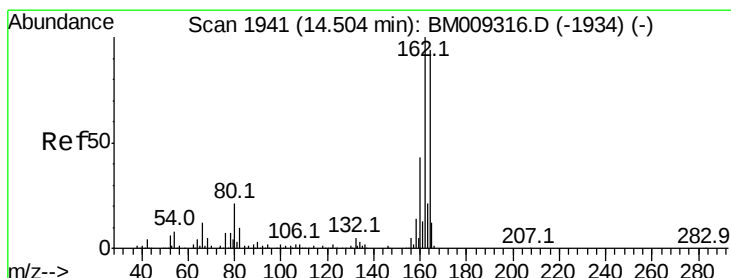
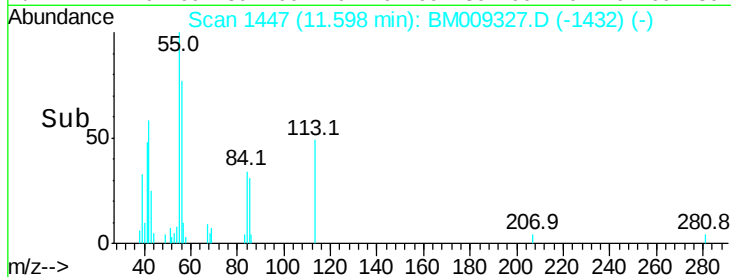
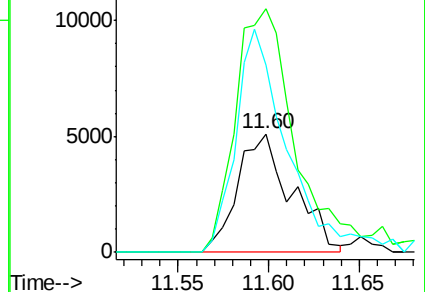
56 158.3 101.0 141.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.50 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

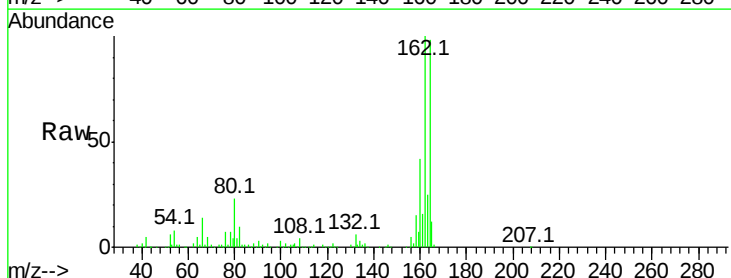
Tgt Ion:164 Resp: 330250

Ion Ratio Lower Upper

164 100

162 102.3 82.4 123.6

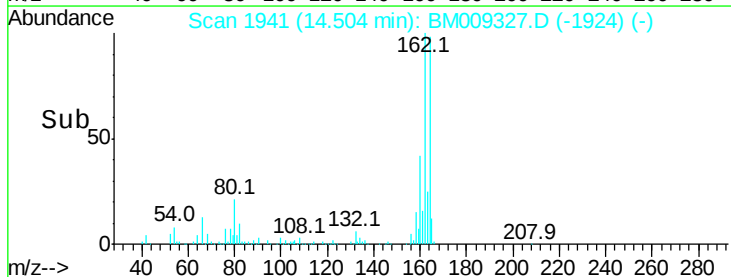
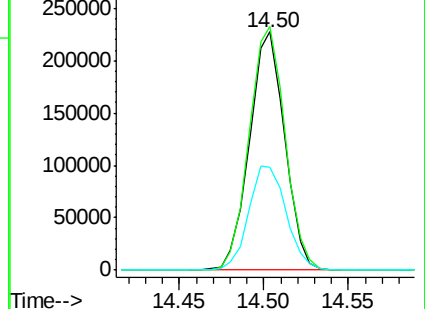
160 43.3 35.8 53.6

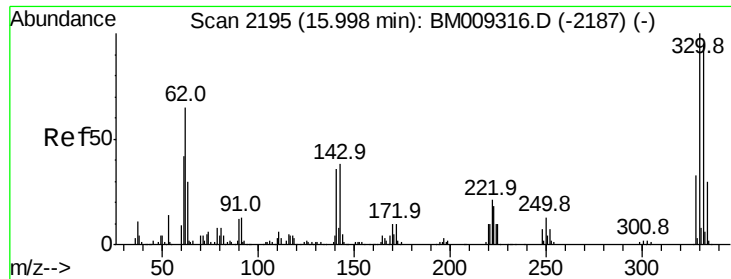


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

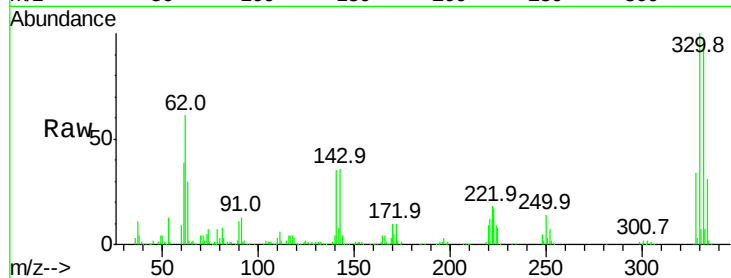




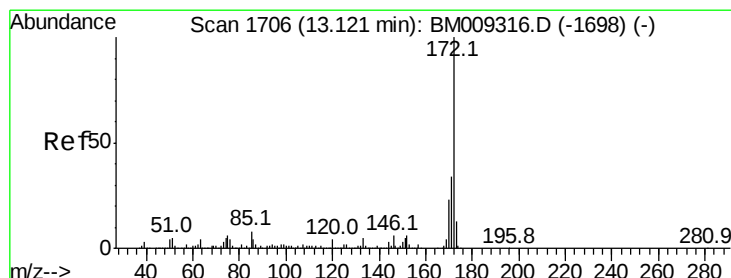
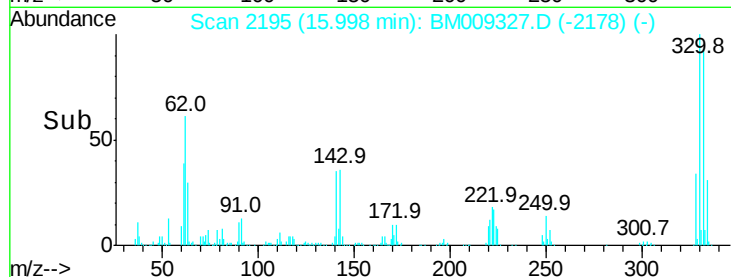
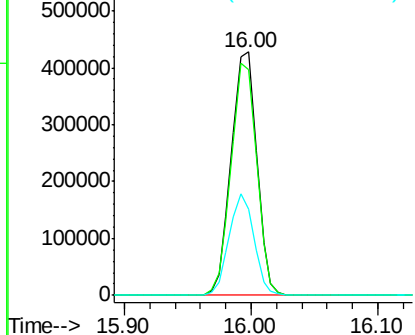
#41
 2,4,6-Tribromophenol
 Concen: 146.50 ng
 RT: 16.00 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:330 Resp: 601029
 Ion Ratio Lower Upper
 330 100
 332 95.4 0.0 0.0#
 141 40.4 0.0 0.0#

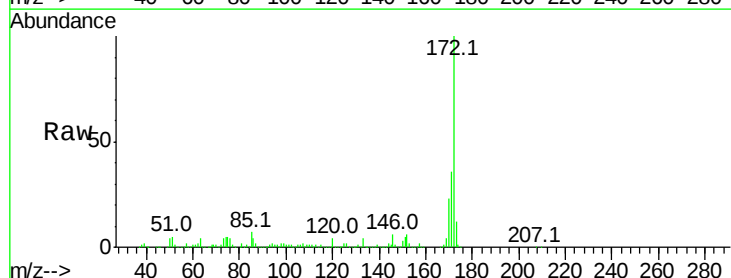


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

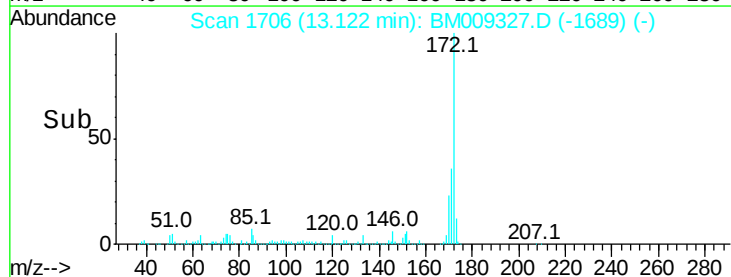
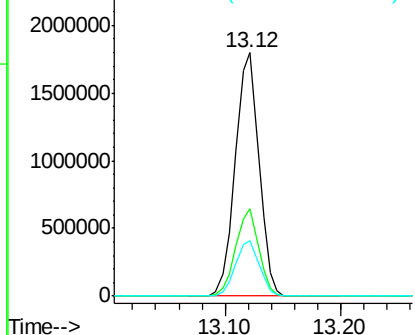


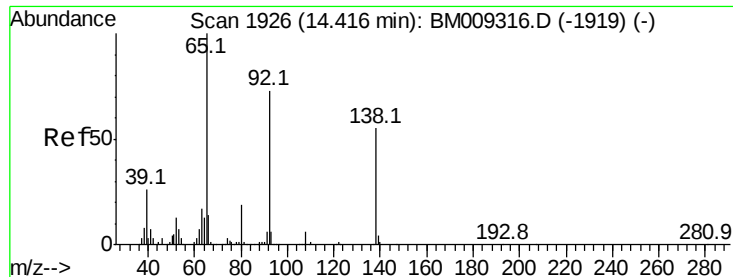
#44
 2-Fluorobiphenyl
 Concen: 93.36 ng
 RT: 13.12 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion:172 Resp: 2558919
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 22.9 18.8 28.2



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

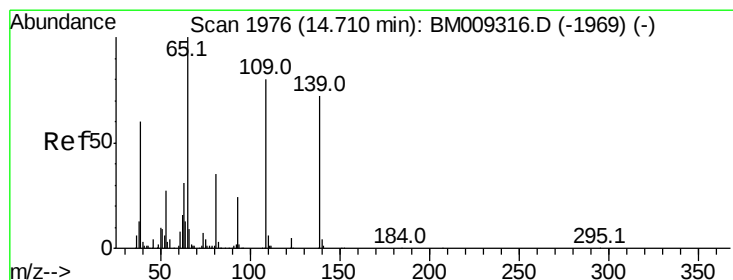
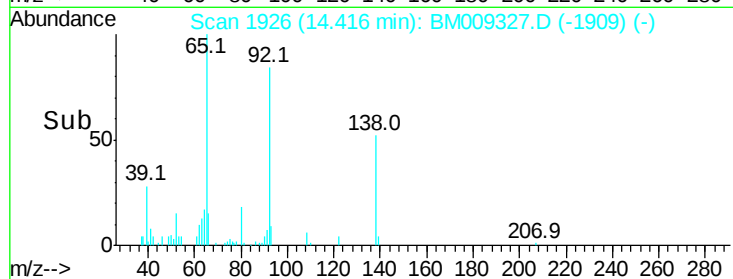
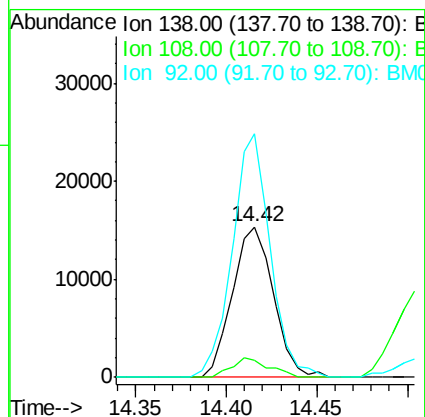
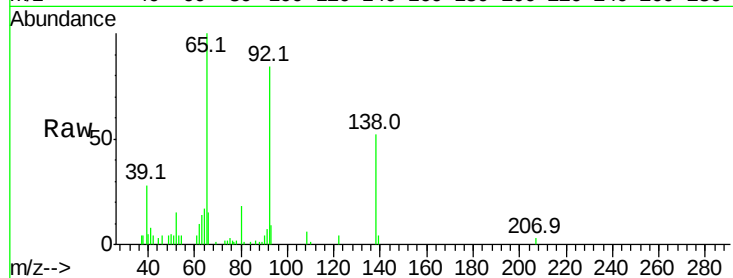




#52
 3-Nitroaniline
 Concen: 4.50 ng
 RT: 14.42 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

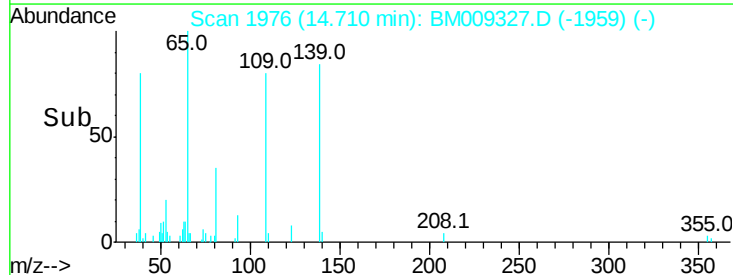
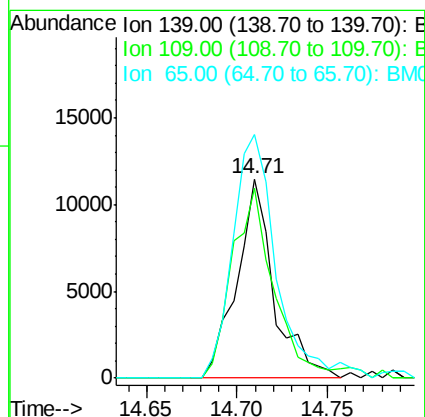
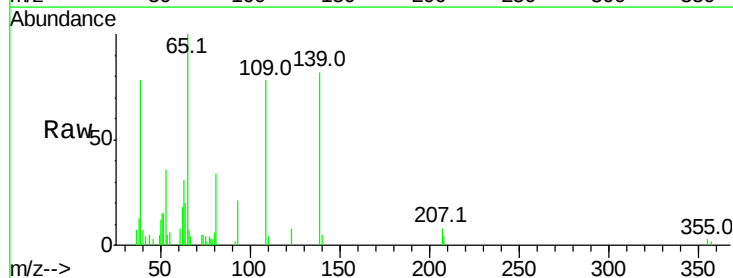
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

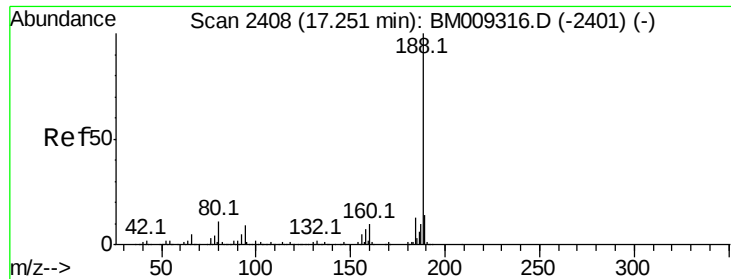
Tot Ion:138 Resp: 24219
 Ion Ratio Lower Upper
 138 100
 108 11.5 7.3 10.9#
 92 162.1 76.6 114.8#



#55
 4-Nitrophenol
 Concen: 3.68 ng
 RT: 14.71 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion:139 Resp: 16363
 Ion Ratio Lower Upper
 139 100
 109 95.4 37.7 77.7#
 65 122.2 49.9 89.9#

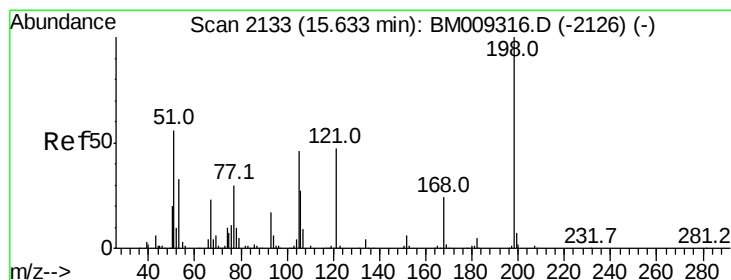
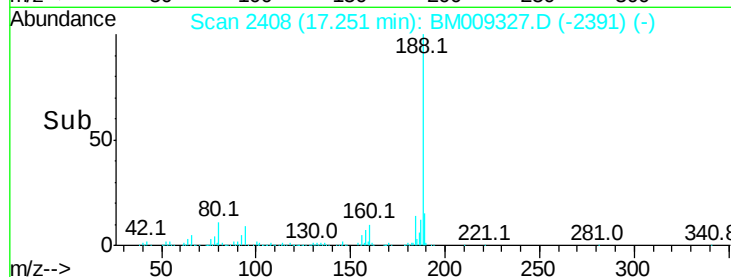
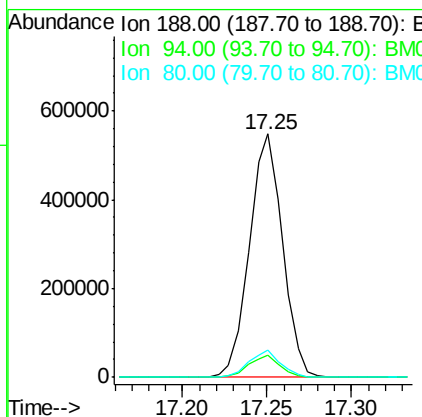
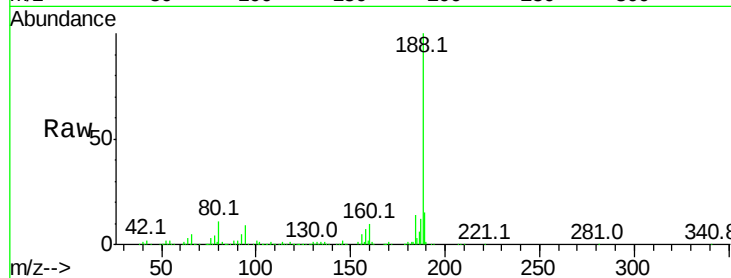




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.25 min Scan# 2408
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

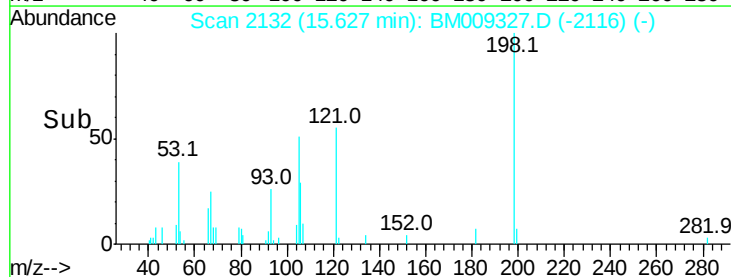
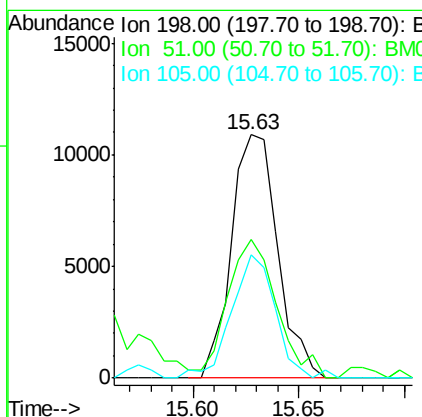
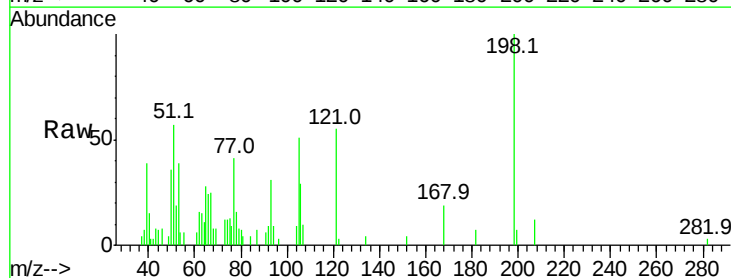
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

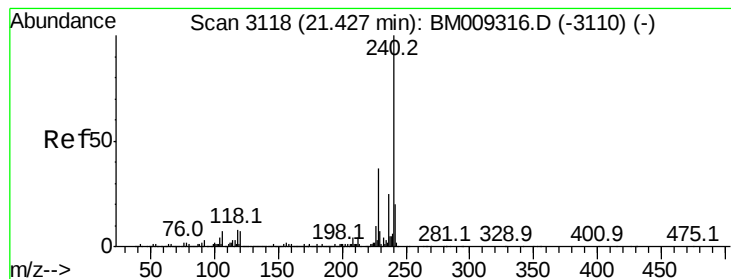
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.7	13.1
80	11.2	9.3	13.9



#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.51 ng
 RT: 15.63 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion	Ratio	Lower	Upper
198	100		
51	57.1	28.8	68.8
105	50.9	30.5	70.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.43 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Instrument :

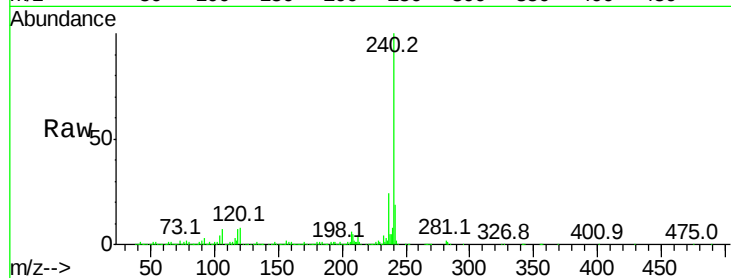
BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:240 Resp: 928113

Ion	Ratio	Lower	Upper
240	100		
120	7.8	8.2	12.2#
236	23.6	20.0	30.0

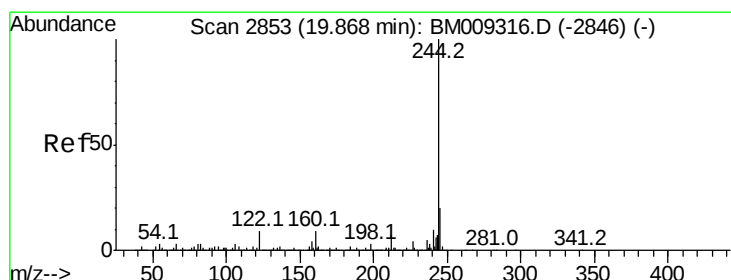
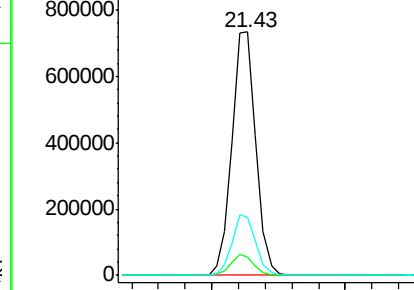
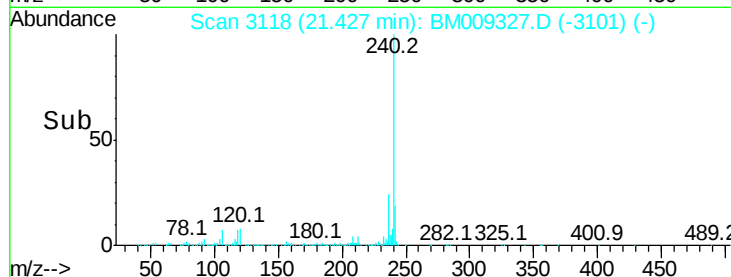


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.43



#78

Terphenyl-d14

Concen: 80.88 ng

RT: 19.87 min Scan# 2853

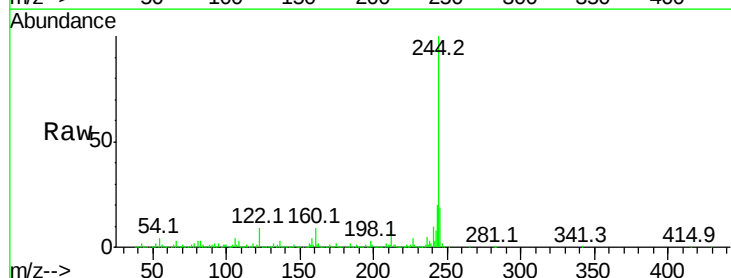
Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Tgt Ion:244 Resp: 3592233

Ion	Ratio	Lower	Upper
244	100		
212	7.6	4.9	7.3#
122	9.1	6.2	9.4

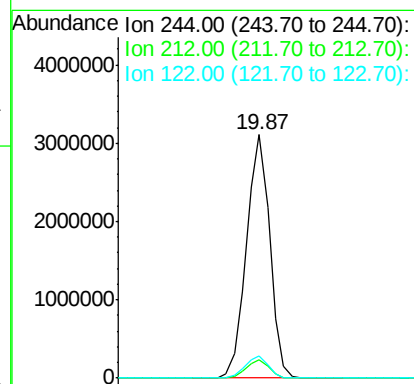
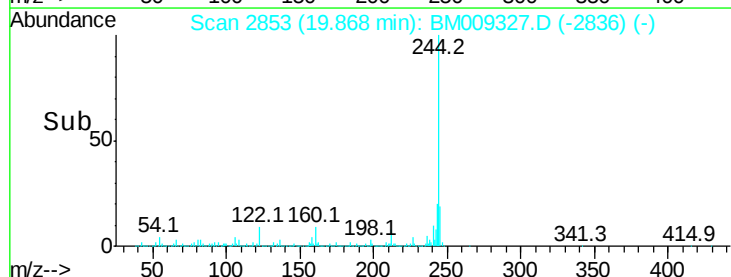


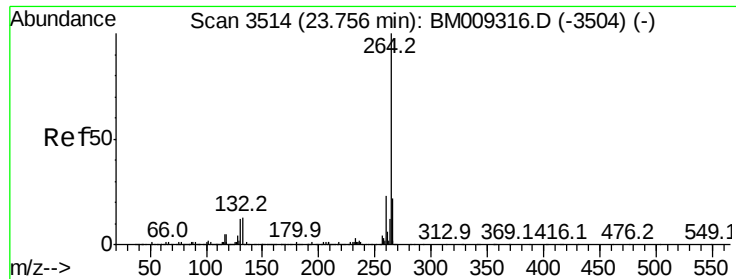
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

19.87





#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.3	17.3	25.9

