

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009325.D
 Acq On : 22 Mar 2017 19:23
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 1 PPB
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 23 14:56:38 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	152315	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	542764	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	290094	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	649336	20.00	ng	0.00
75) Chrysene-d12	21.43	240	800685	20.00	ng	0.00
86) Perylene-d12	23.75	264	750972	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1290646	141.24	ng	0.00
7) Phenol-d6	7.02	99	1746276	140.14	ng	0.00
23) Nitrobenzene-d5	9.03	82	1366088	94.37	ng	0.00
41) 2,4,6-Tribromophenol	15.99	330	529089	146.81	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	2355362	97.83	ng	0.00
78) Terphenyl-d14	19.87	244	3163561	82.56	ng	0.00

Target Compounds						Qvalue
6) Aniline	7.19	93	15332	0.91	ng	# 87
8) 2-Chlorophenol	7.42	128	10327	1.11	ng	# 49
9) Benzaldehyde	7.01	77	13910	1.42	ng	# 55
10) Phenol	7.05	94	15845	1.17	ng	98
11) bis(2-Chloroethyl)ether	7.29	93	11172	1.01	ng	83
12) 1,3-Dichlorobenzene	7.75	146	11360	1.02	ng	# 74
13) 1,4-Dichlorobenzene	7.90	146	11937	1.04	ng	96
14) 1,2-Dichlorobenzene	8.21	146	11746	1.06	ng	# 81
15) Benzyl Alcohol	8.10	79	9754	0.90	ng	# 77
16) 2,2'-oxybis(1-Chloropropan	8.39	45	18589	0.97	ng	97
18) Hexachloroethane	8.94	117	4229	0.90	ng	# 72
24) Nitrobenzene	9.07	77	16434	1.16	ng	97
31) Naphthalene	10.71	128	30842	1.07	ng	97
34) Hexachlorobutadiene	10.98	225	7776	1.12	ng	# 88
37) 2-Methylnaphthalene	12.32	142	20018	1.01	ng	# 85
39) 1,2,4,5-Tetrachlorobenzene	12.68	216	11265	1.03	ng	# 100
45) 1,1'-Biphenyl	13.33	154	32282	1.34	ng	99
46) 2-Chloronaphthalene	13.38	162	19752	1.05	ng	95
47) 2-Nitroaniline	13.59	65	5114	0.74	ng	# 64
48) Acenaphthylene	14.23	152	26661	0.87	ng	# 96
49) Dimethylphthalate	13.96	163	22516	1.01	ng	# 99
50) 2,6-Dinitrotoluene	14.08	165	3663	0.76	ng	# 24
51) Acenaphthene	14.56	154	18206	0.99	ng	# 79
54) Dibenzofuran	14.90	168	27375	1.00	ng	# 96
57) Fluorene	15.55	166	23272	0.95	ng	89
58) 2,3,4,6-Tetrachlorophenol	15.12	232	4353	0.74	ng	# 100
59) Diethylphthalate	15.32	149	21091	0.93	ng	98
62) Azobenzene	15.84	77	19289	0.73	ng	86
65) n-Nitrosodiphenylamine	15.76	169	16871	0.86	ng	93
66) 4-Bromophenyl-phenylether	16.44	248	7782	1.03	ng	# 77
67) Hexachlorobenzene	16.54	284	9001	1.09	ng	# 87
68) Atrazine	16.71	200	5279	0.71	ng	79
70) Phenanthrene	17.29	178	37884	1.02	ng	# 93
71) Anthracene	17.38	178	33567	0.89	ng	98

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009325.D
 Acq On : 22 Mar 2017 19:23
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 1 PPB
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 23 14:56:38 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)

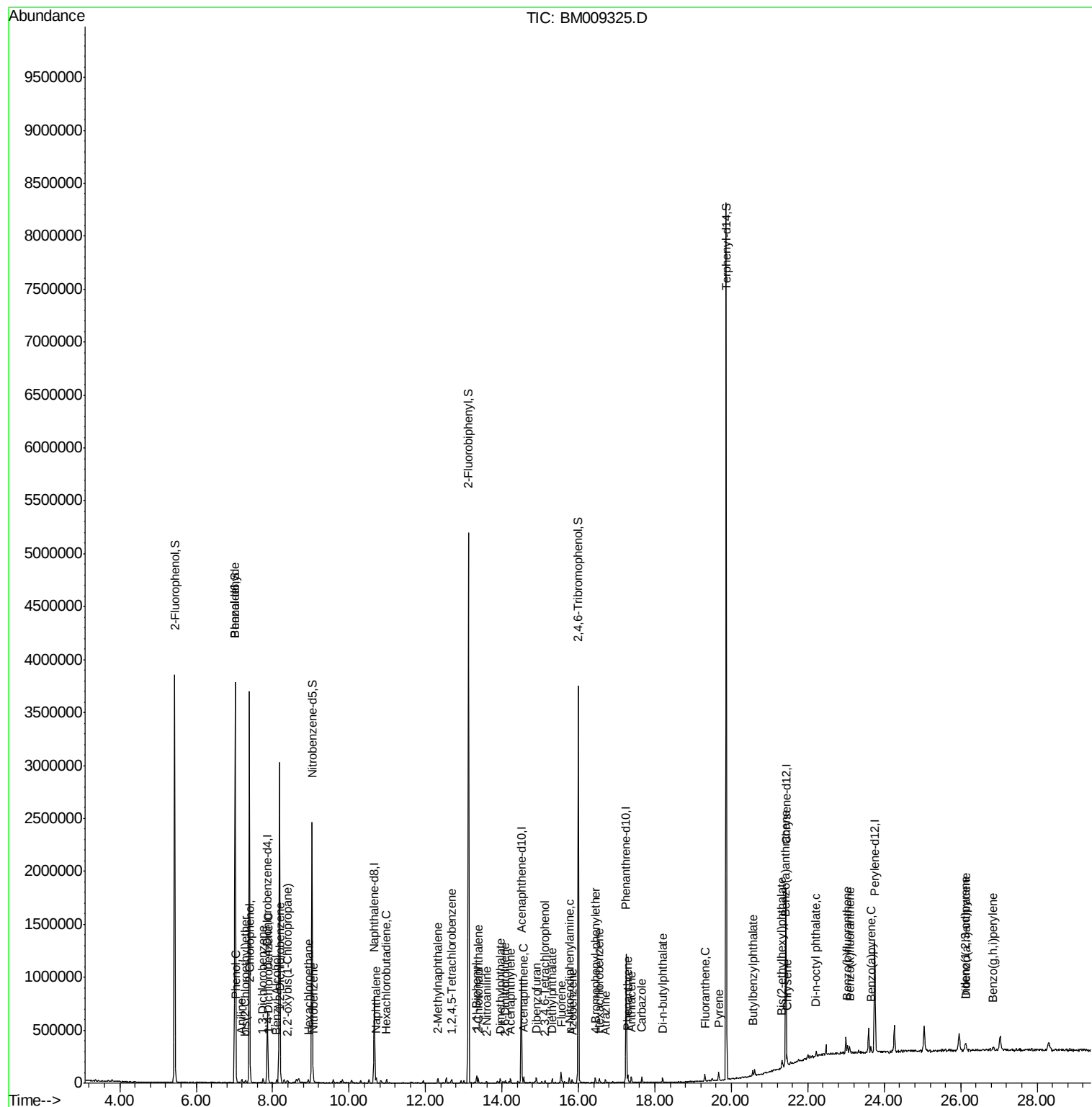
72) Carbazole	17.66	167	30061	0.83	nq	# 93
73) Di-n-butylphthalate	18.20	149	26327	0.72	nq	# 92
74) Fluoranthene	19.30	202	39000	0.89	nq	95
77) Pyrene	19.67	202	40517	0.89	nq	97
79) Butylbenzylphthalate	20.56	149	12723	0.78	nq	# 85
80) Benzo(a)anthracene	21.41	228	45972	0.98	nq	97
82) Chrysene	21.46	228	42969	0.96	nq	95
83) Bis(2-ethylhexyl)phthalate	21.32	149	18928	0.78	nq	# 91
84) Di-n-octyl phthalate	22.22	149	27495	0.68	nq	# 78
85) Indeno(1,2,3-cd)pyrene	26.11	276	46858	0.96	nq	# 100
87) Benzo(b)fluoranthene	23.04	252	46390	0.97	nq	97
88) Benzo(k)fluoranthene	23.09	252	45644	1.00	nq	# 95
89) Benzo(a)pyrene	23.64	252	43532	0.99	nq	98
90) Dibenzo(a,h)anthracene	26.14	278	42069	0.97	nq	99
91) Benzo(a,h,i)perylene	26.84	276	40981	0.97	nq	95

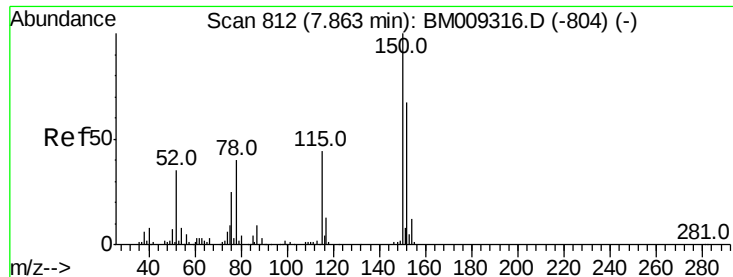
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
Data File : BM009325.D
Acq On : 22 Mar 2017 19:23
Operator : SJ/MA
Sample : I2296-01
Misc : LOD 1 PPB
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 23 14:56:38 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



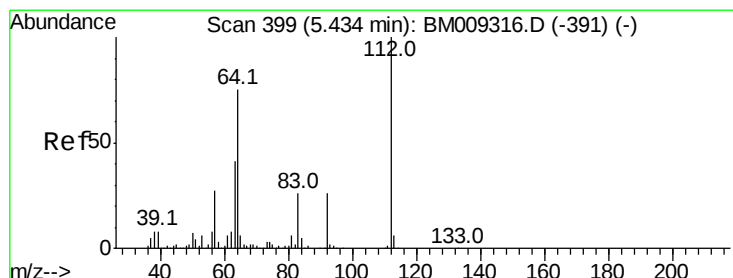
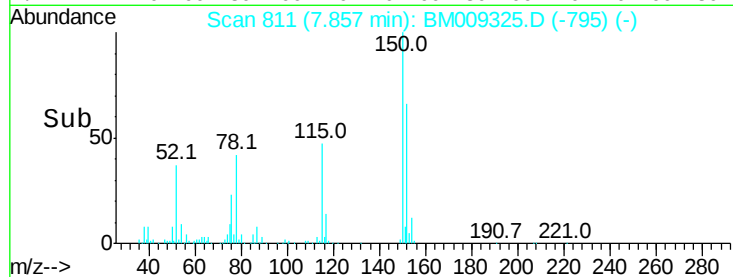
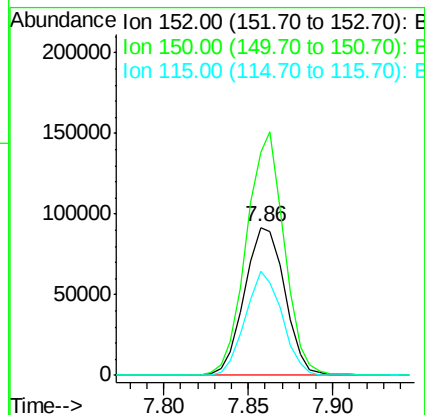
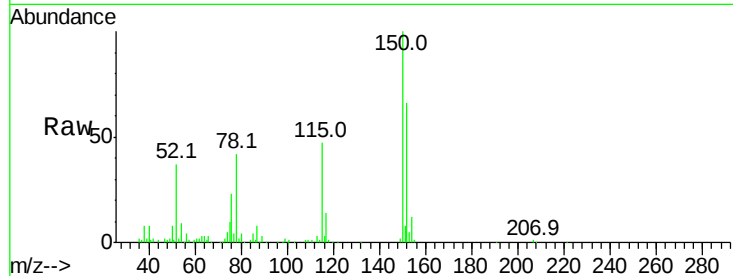


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

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

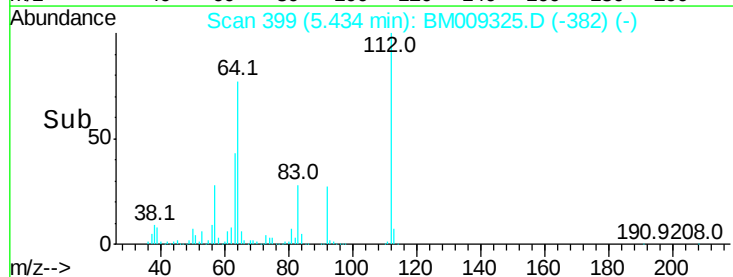
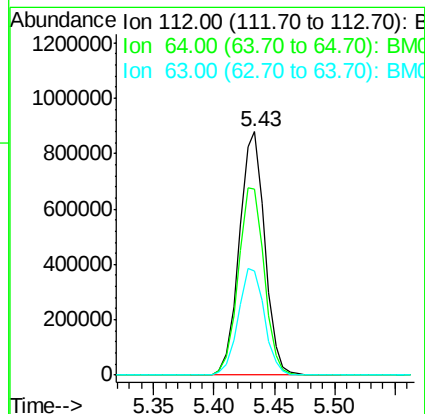
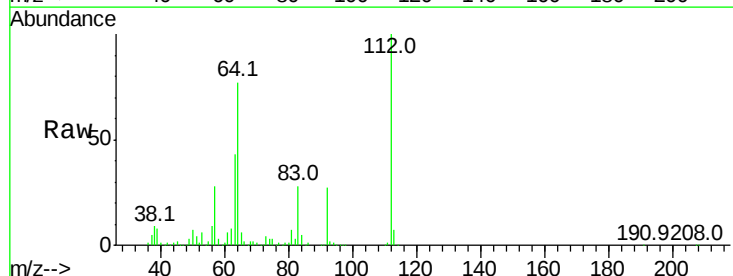
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	119.5	179.3
115	70.7	43.0	64.4

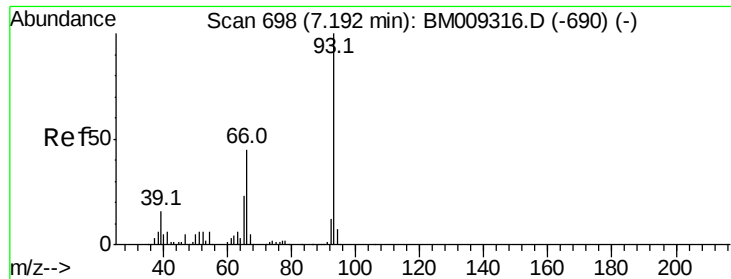


#5

2-Fluorophenol
Concen: 141.24 ng
RT: 5.43 min Scan# 399
Delta R.T. 0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.7	38.6	57.8
63	42.7	19.3	28.9





#6

Aniline

Concen: 0.91 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

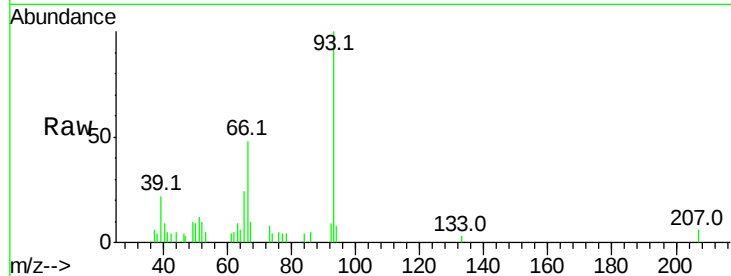
BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 93 Resp: 15332

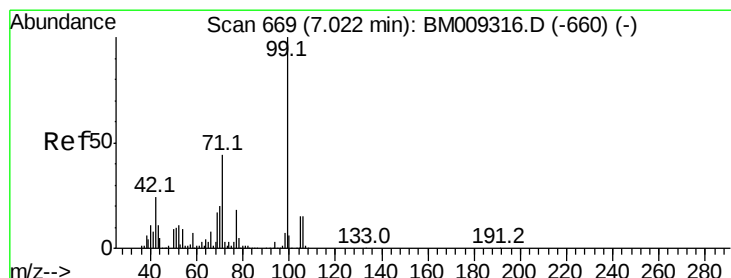
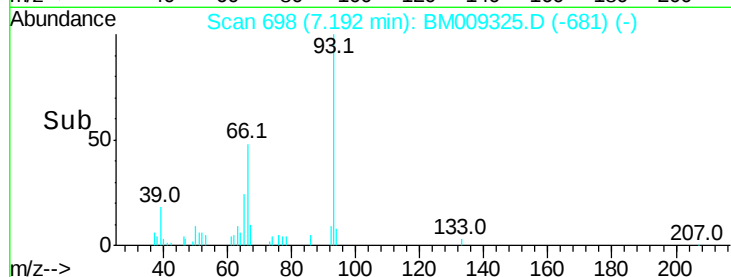
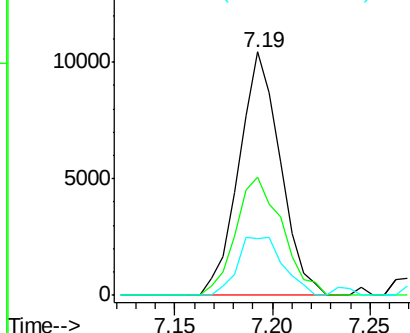
Ion	Ratio	Lower	Upper
93	100		
66	48.4	30.8	46.2#
65	23.6	16.0	24.0



Abundance Ion 93.00 (92.70 to 93.70): BM009325.D (-681) (-)

Ion 66.00 (65.70 to 66.70): BM009325.D (-681) (-)

Ion 65.00 (64.70 to 65.70): BM009325.D (-681) (-)



#7

Phenol-d6

Concen: 140.14 ng

RT: 7.02 min Scan# 668

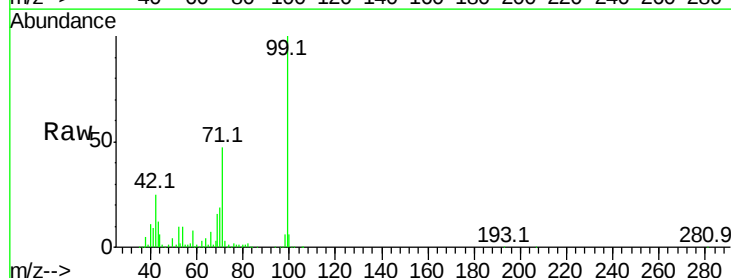
Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Tgt Ion: 99 Resp: 1746276

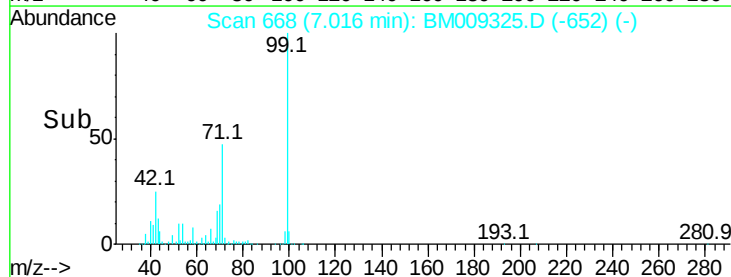
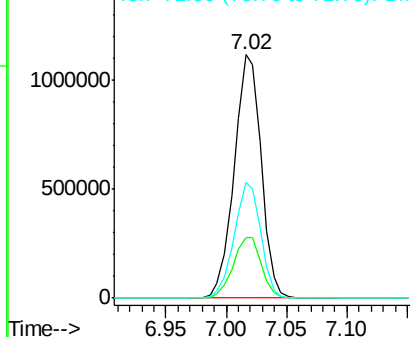
Ion	Ratio	Lower	Upper
99	100		
42	25.1	11.0	16.4#
71	47.3	23.4	35.2#

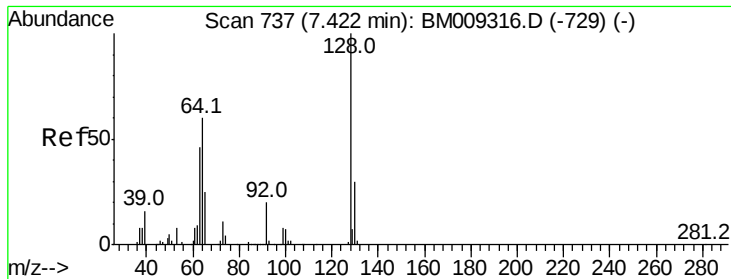


Abundance Ion 99.00 (98.70 to 99.70): BM009325.D (-652) (-)

Ion 42.00 (41.70 to 42.70): BM009325.D (-652) (-)

Ion 71.00 (70.70 to 71.70): BM009325.D (-652) (-)





#8

2-Chlorophenol

Concen: 1.11 ng

RT: 7.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

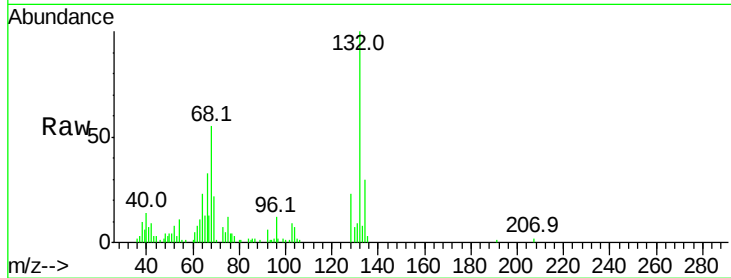
Tot Ion:128 Resp: 10327

Ion Ratio Lower Upper

128 100

130 29.5 12.0 52.0

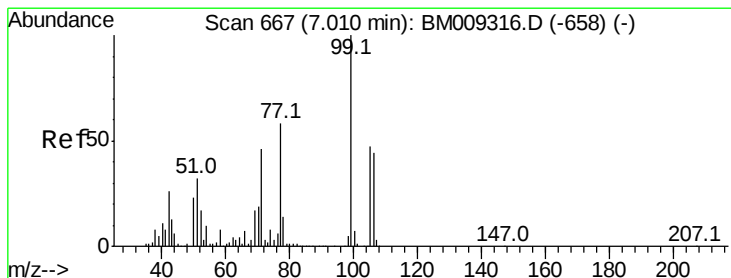
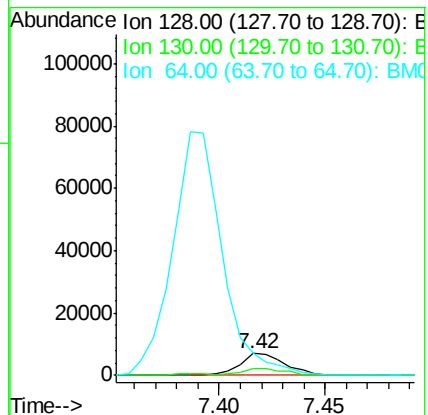
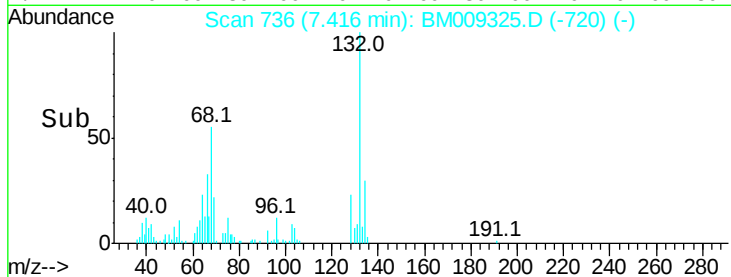
64 99.5 24.9 64.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 1.42 ng

RT: 7.01 min Scan# 667

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

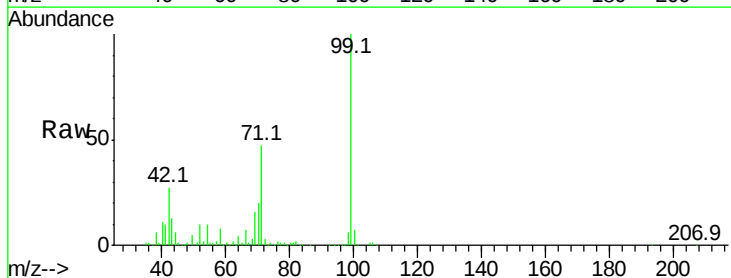
Tgt Ion: 77 Resp: 13910

Ion Ratio Lower Upper

77 100

105 57.6 78.8 118.8#

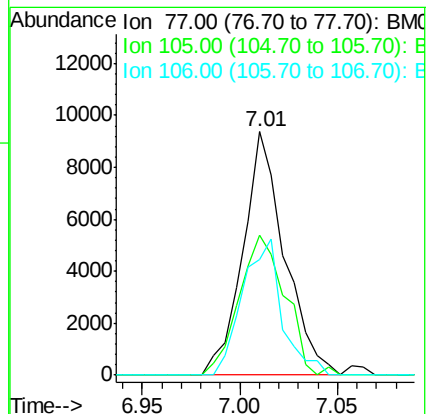
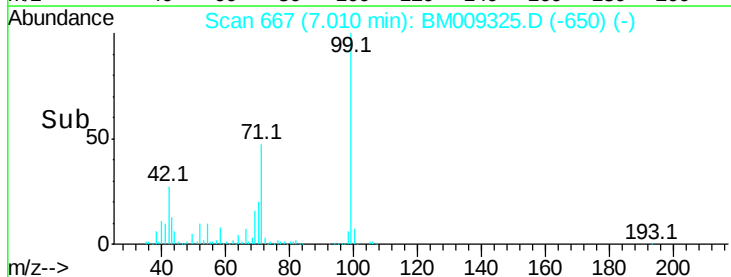
106 47.5 73.7 113.7#

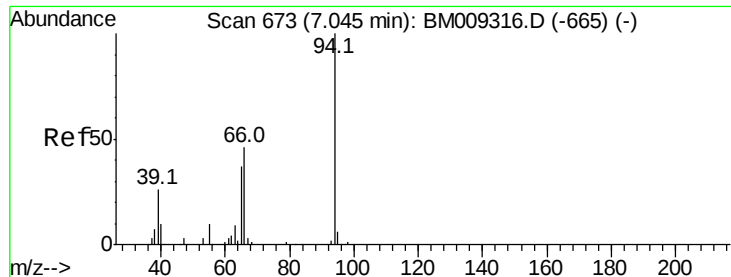


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.17 ng

RT: 7.05 min Scan# 673

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

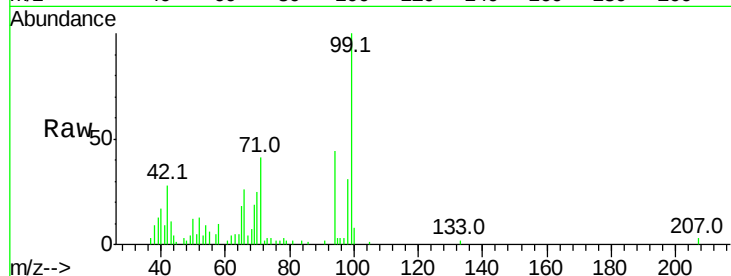
Tot Ion: 94 Resp: 15845

Ion Ratio Lower Upper

94 100

65 40.8 18.8 58.8

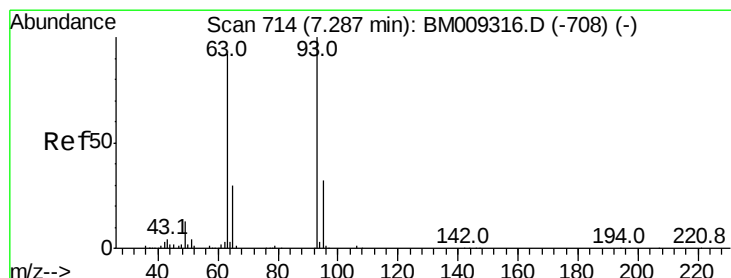
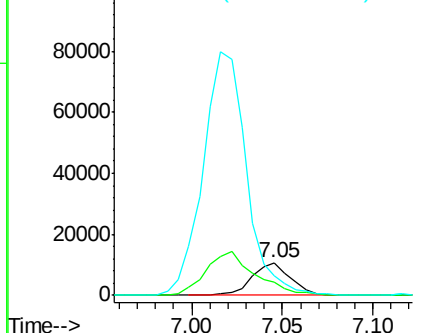
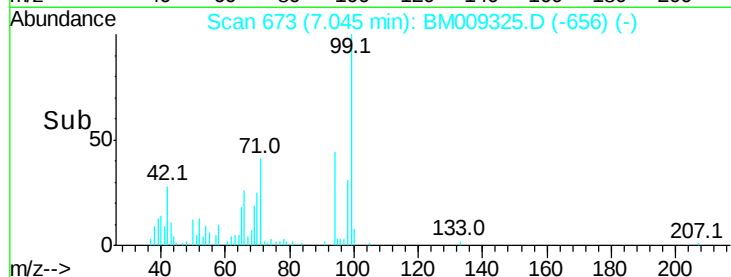
66 58.6 39.9 79.9



Abundance Ion 94.00 (93.70 to 94.70): BM009325.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BM009325.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BM009325.D (-656) (-)



#11

bis(2-Chloroethyl)ether

Concen: 1.01 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

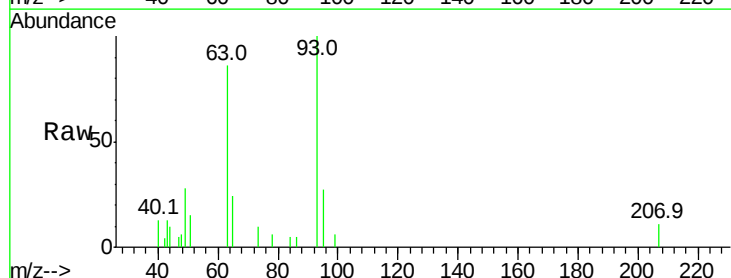
Tgt Ion: 93 Resp: 11172

Ion Ratio Lower Upper

93 100

63 85.7 49.5 89.5

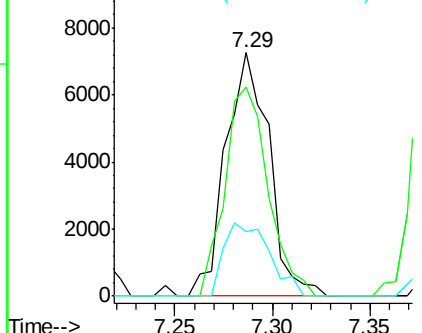
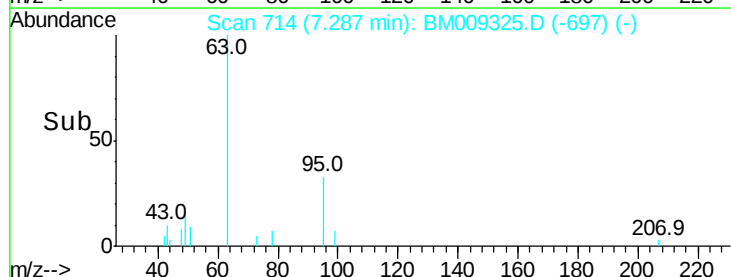
95 26.7 13.5 53.5

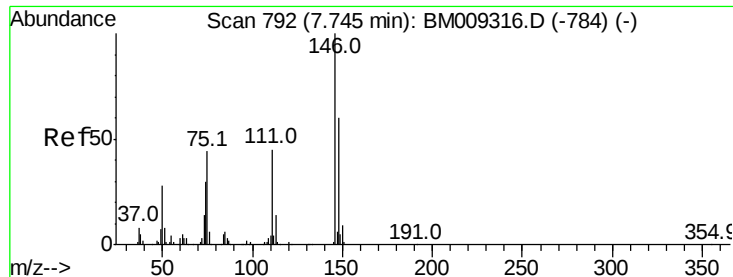


Abundance Ion 93.00 (92.70 to 93.70): BM009325.D (-697) (-)

Ion 63.00 (62.70 to 63.70): BM009325.D (-697) (-)

Ion 95.00 (94.70 to 95.70): BM009325.D (-697) (-)





#12

1,3-Dichlorobenzene

Concen: 1.02 ng

RT: 7.75 min Scan# 792

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

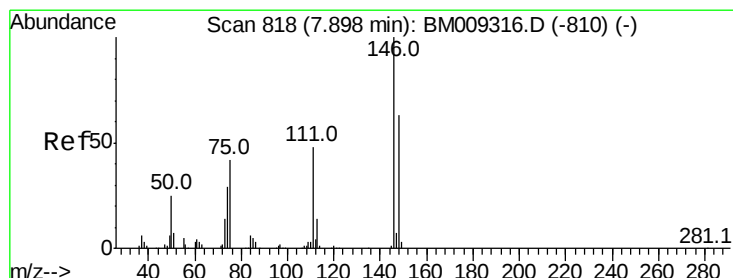
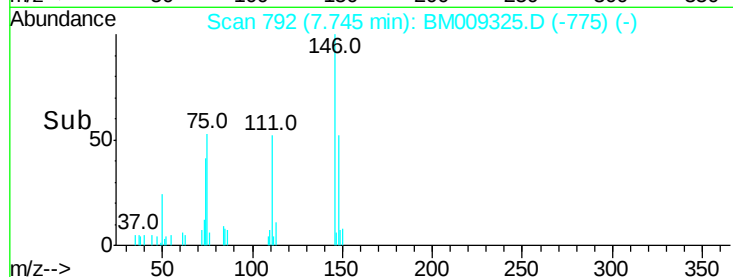
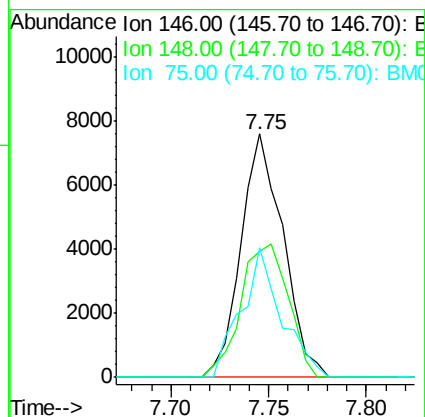
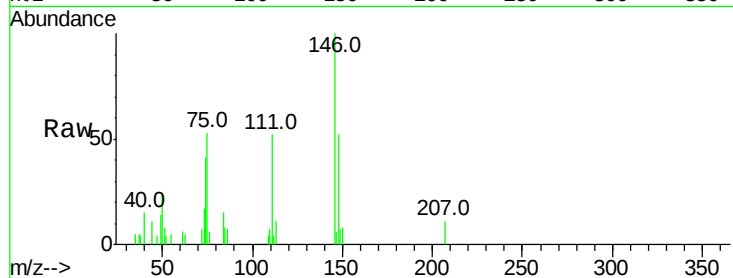
Tot Ion:146 Resp: 11360

Ion Ratio Lower Upper

146 100

148 51.6 50.9 76.3

75 53.5 21.4 32.2#



#13

1,4-Dichlorobenzene

Concen: 1.04 ng

RT: 7.90 min Scan# 818

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

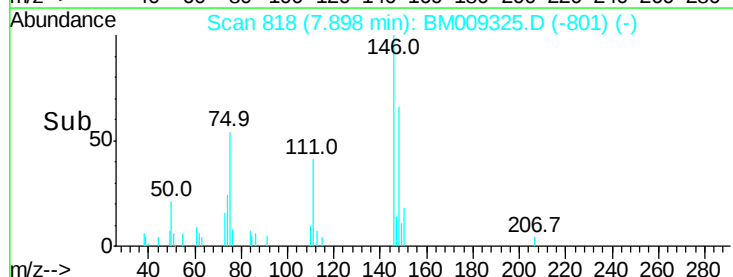
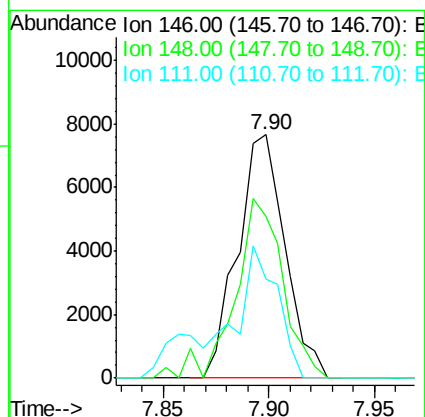
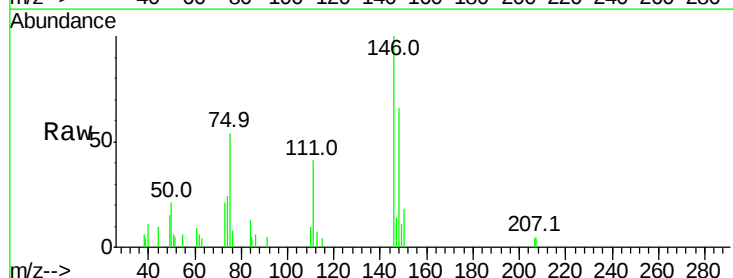
Tgt Ion:146 Resp: 11937

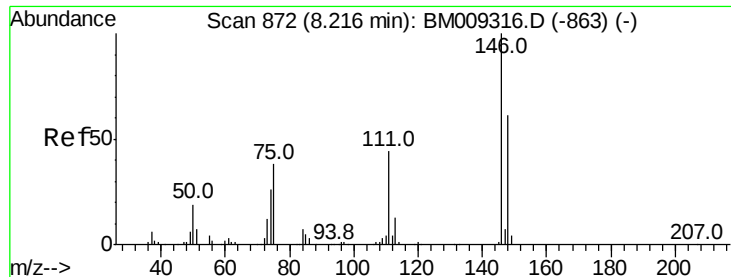
Ion Ratio Lower Upper

146 100

148 66.5 51.9 77.9

111 40.7 29.2 43.8





#14

1,2-Dichlorobenzene

Concen: 1.06 ng

RT: 8.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

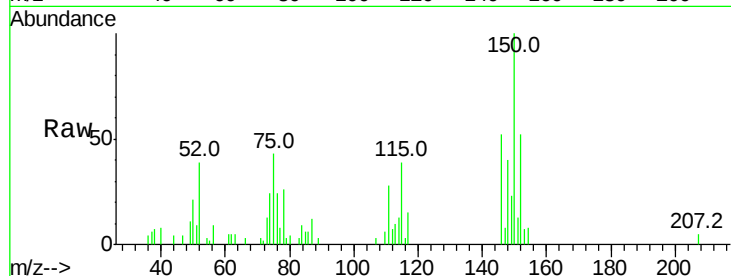
Tot Ion:146 Resp: 11746

Ion Ratio Lower Upper

146 100

148 77.6 52.3 78.5

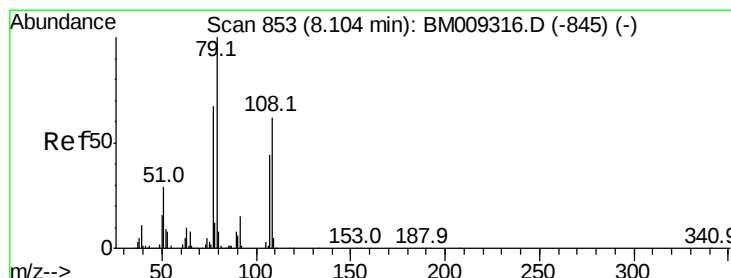
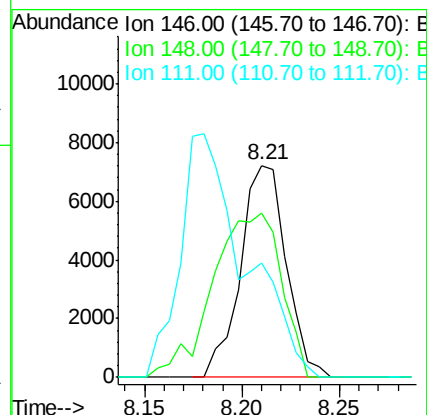
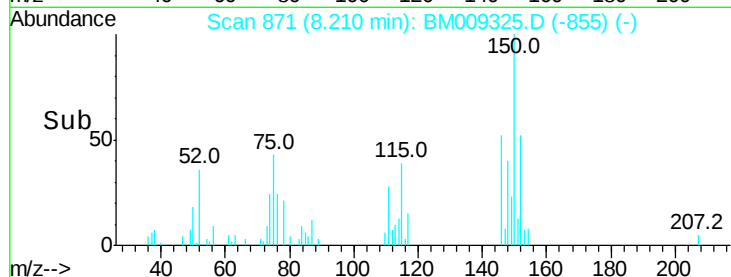
111 54.0 30.6 45.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 0.90 ng

RT: 8.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

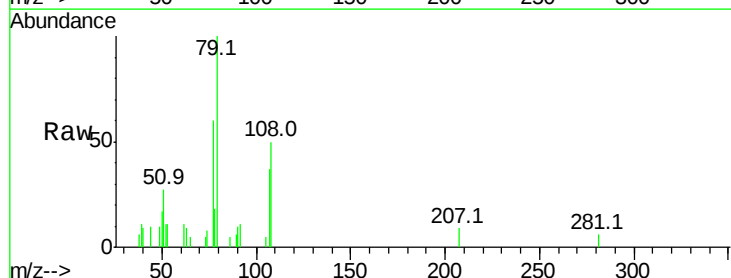
Tgt Ion: 79 Resp: 9754

Ion Ratio Lower Upper

79 100

108 50.3 65.0 97.4#

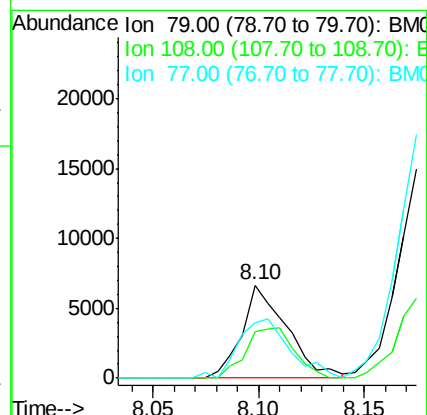
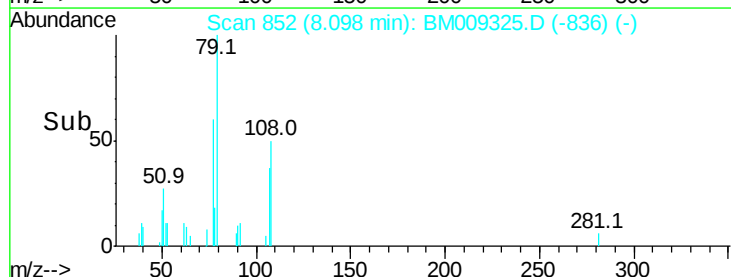
77 59.9 53.0 79.6

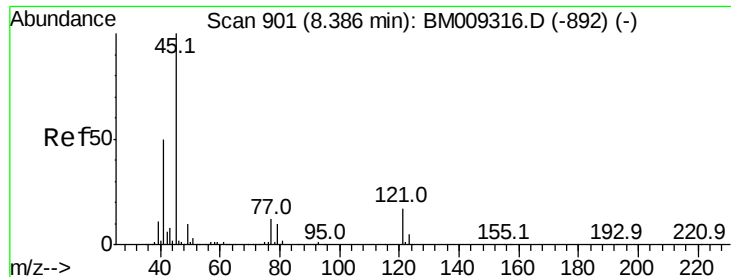


Abundance Ion 79.00 (78.70 to 79.70): BM

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

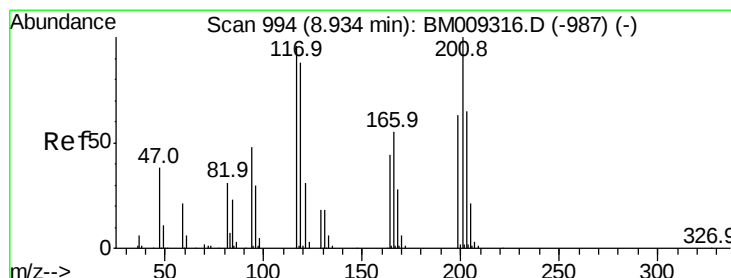
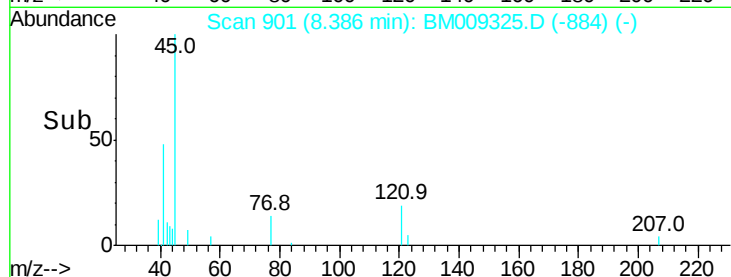
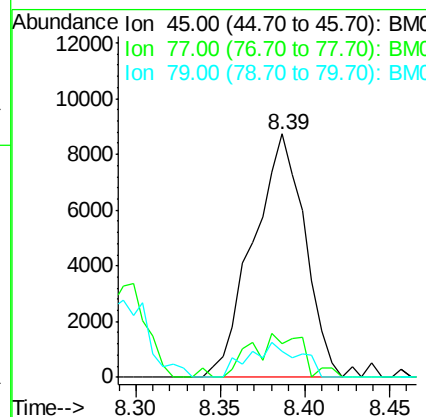
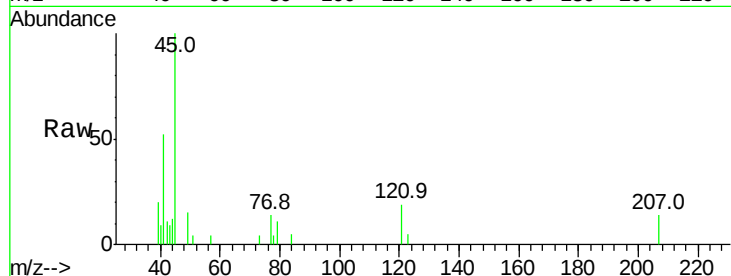




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.97 ng
RT: 8.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

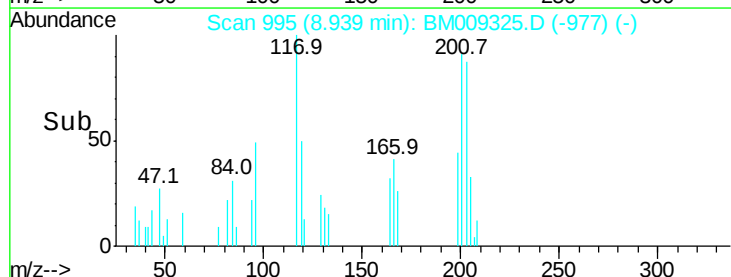
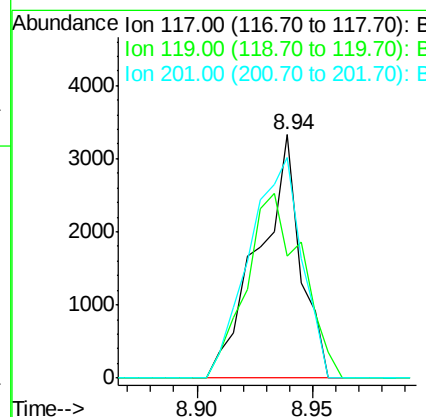
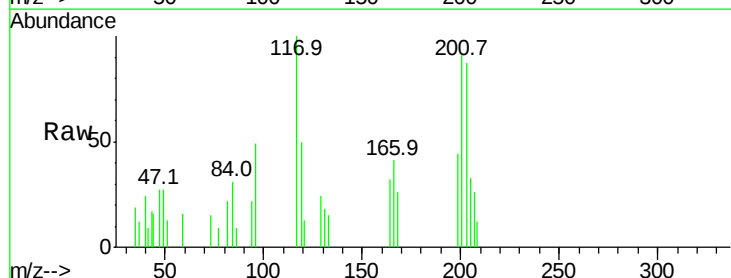
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

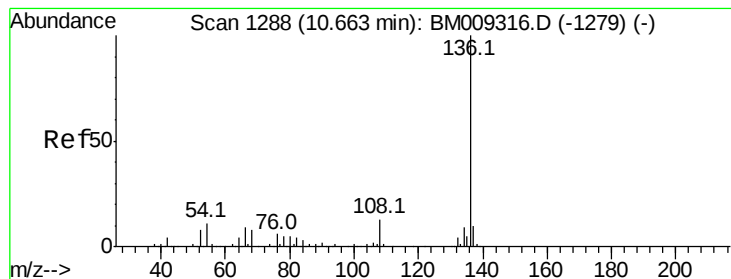
Tot Ion: 45 Resp: 18589
Ion Ratio Lower Upper
45 100
77 13.9 0.0 35.2
79 10.9 0.0 32.0



#18
Hexachloroethane
Concen: 0.90 ng
RT: 8.94 min Scan# 995
Delta R.T. 0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 117 Resp: 4229
Ion Ratio Lower Upper
117 100
119 50.4 79.2 118.8#
201 90.8 69.8 104.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136 Resp: 542764

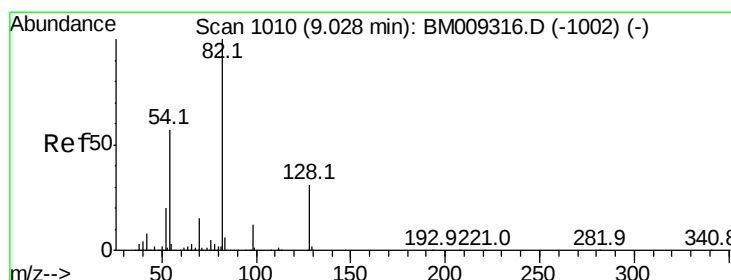
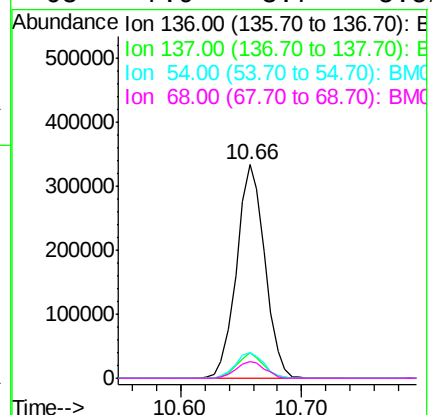
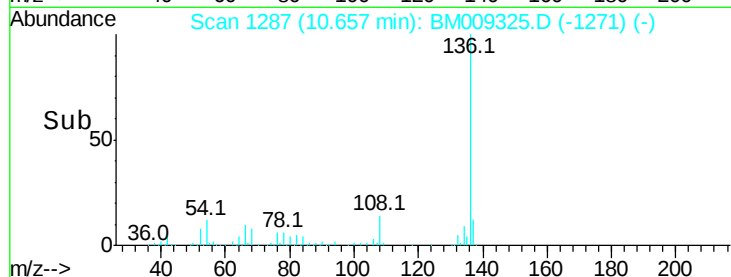
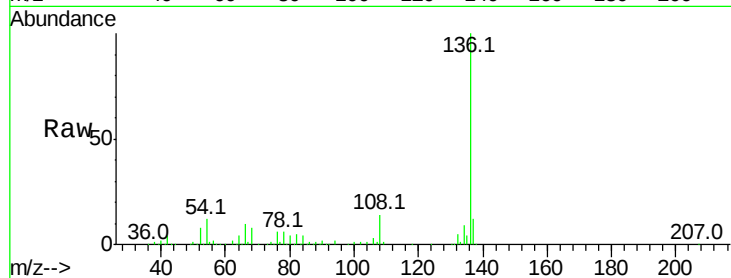
Ion Ratio Lower Upper

136 100

137 12.0 8.7 13.1

54 11.7 4.6 6.8#

68 7.9 3.7 5.5#



#23

Nitrobenzene-d5

Concen: 94.37 ng

RT: 9.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

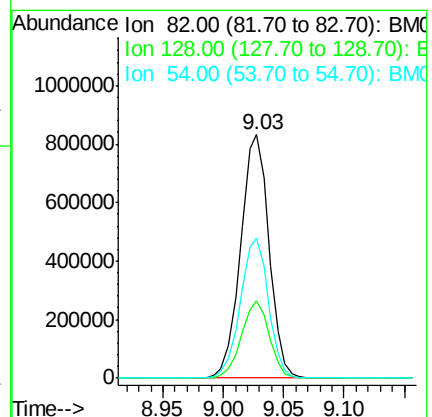
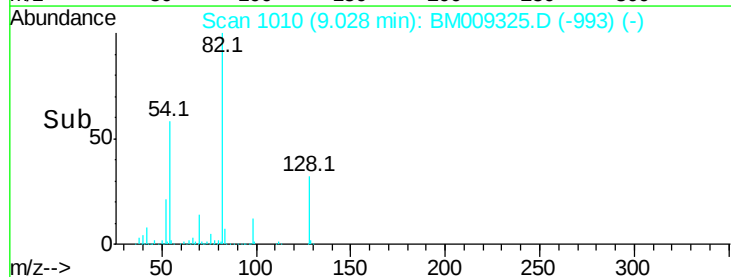
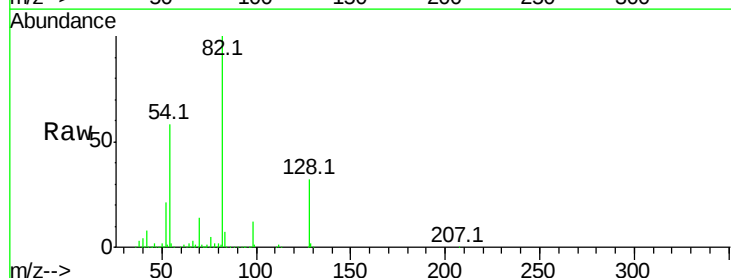
Tgt Ion: 82 Resp: 1366088

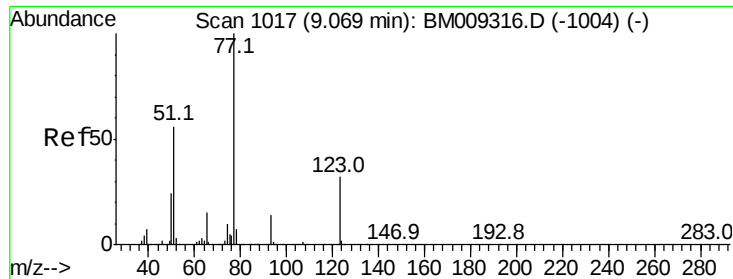
Ion Ratio Lower Upper

82 100

128 31.5 32.8 49.2#

54 57.5 40.6 60.8





#24

Nitrobenzene

Concen: 1.16 ng

RT: 9.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

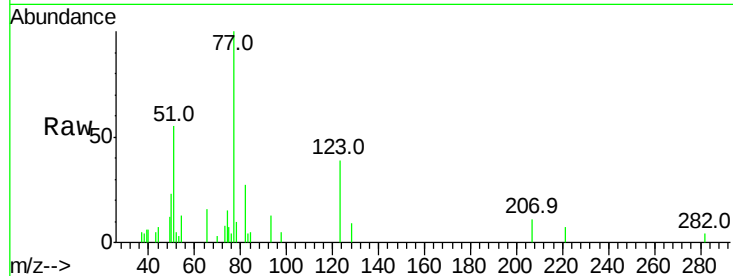
Tot Ion: 77 Resp: 16434

Ion Ratio Lower Upper

77 100

123 39.0 32.6 49.0

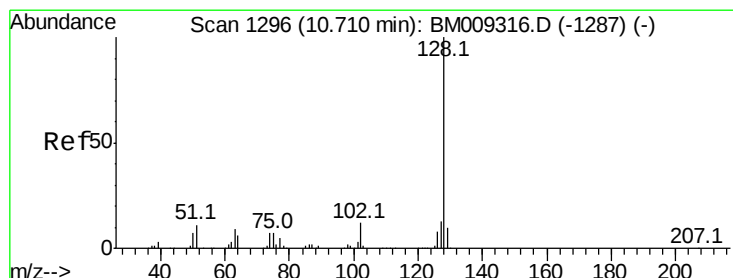
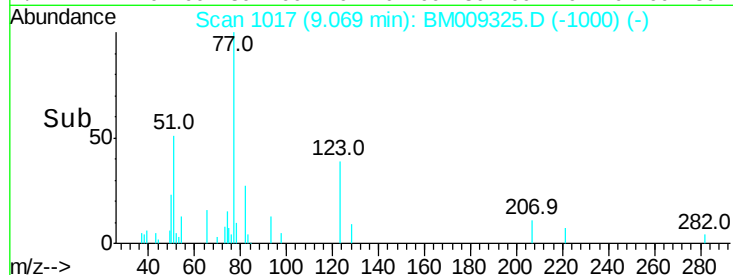
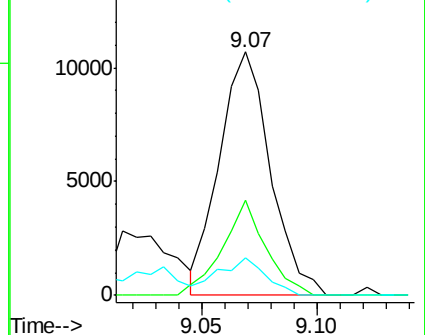
65 15.6 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BM009325.D (-1000) (-)

Ion 123.00 (122.70 to 123.70): BM009325.D (-1000) (-)

Ion 65.00 (64.70 to 65.70): BM009325.D (-1000) (-)



#31

Naphthalene

Concen: 1.07 ng

RT: 10.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

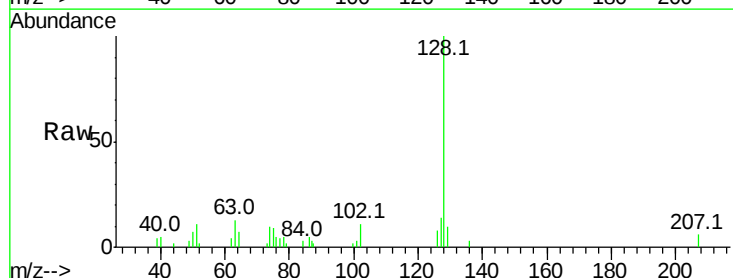
Tgt Ion: 128 Resp: 30842

Ion Ratio Lower Upper

128 100

129 9.8 8.9 13.3

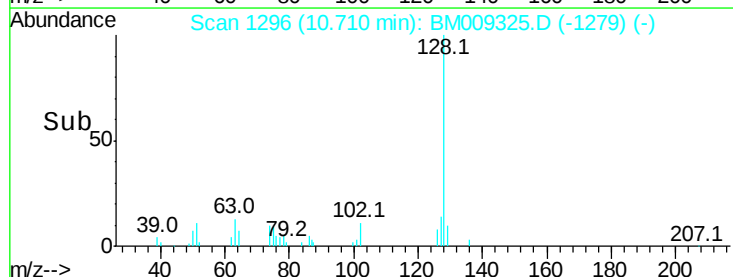
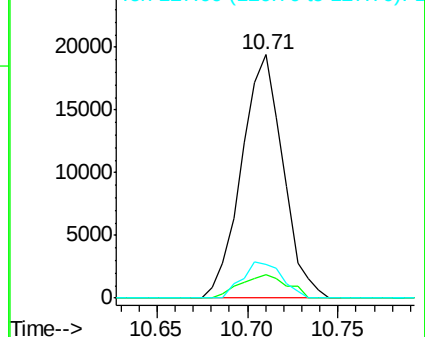
127 14.0 10.4 15.6

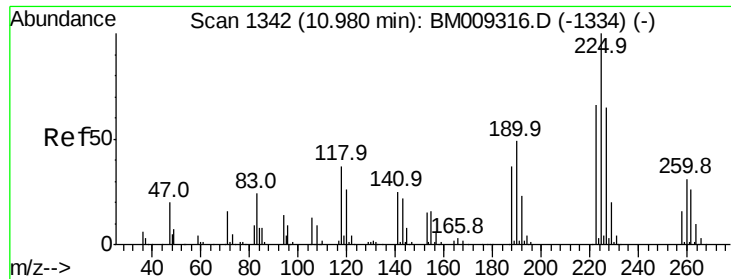


Abundance Ion 128.00 (127.70 to 128.70): BM009325.D (-1279) (-)

Ion 129.00 (128.70 to 129.70): BM009325.D (-1279) (-)

Ion 127.00 (126.70 to 127.70): BM009325.D (-1279) (-)





#34

Hexachlorobutadiene

Concen: 1.12 ng

RT: 10.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

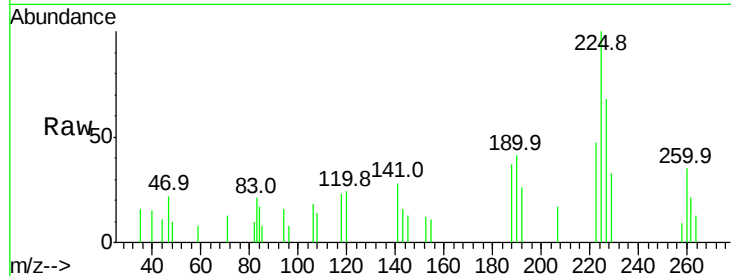
Tot Ion:225 Resp: 7776

Ion Ratio Lower Upper

225 100

223 47.1 47.9 71.9#

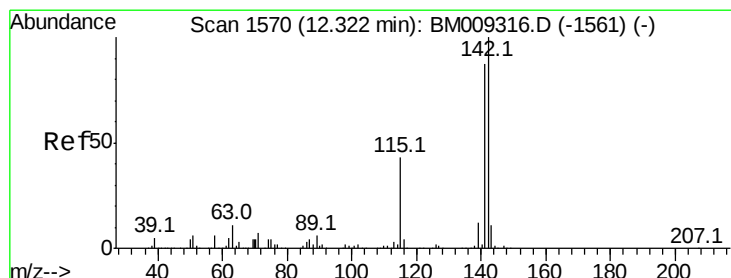
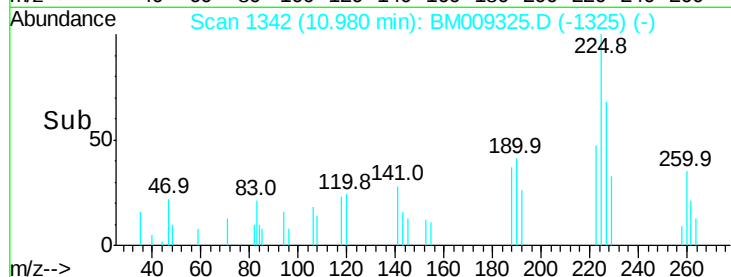
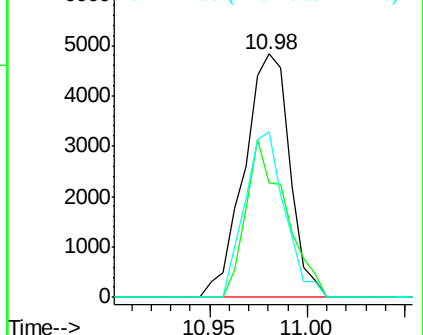
227 68.1 50.1 75.1



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#37

2-Methylnaphthalene

Concen: 1.01 ng

RT: 12.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

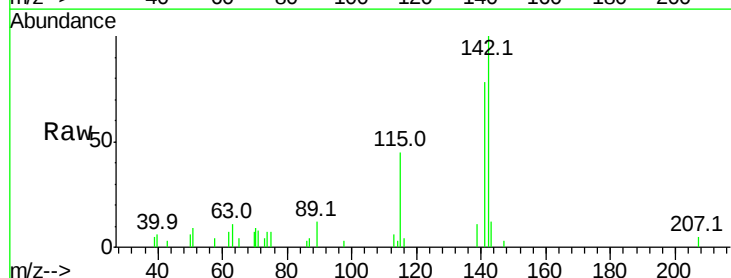
Tgt Ion:142 Resp: 20018

Ion Ratio Lower Upper

142 100

141 78.2 71.9 107.9

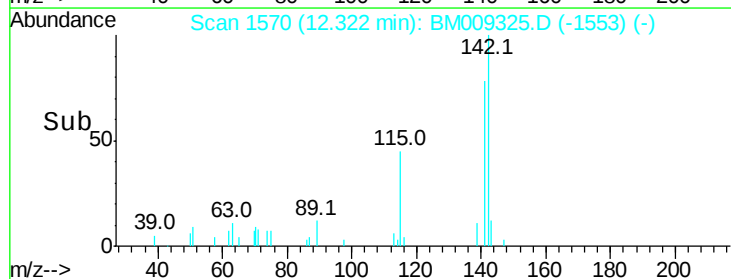
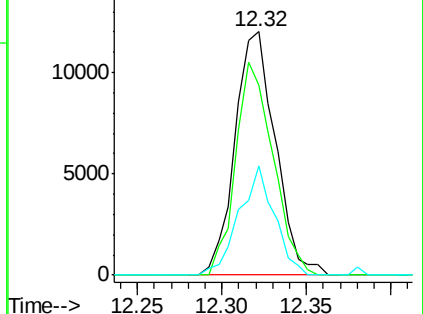
115 44.6 25.4 38.0#

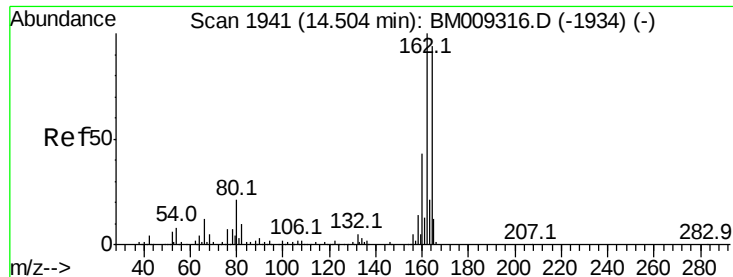


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.50 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

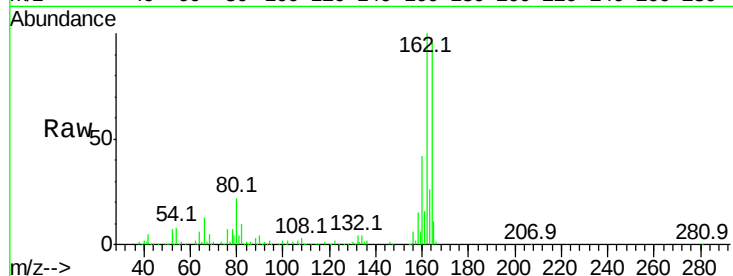
Tot Ion:164 Resp: 290094

Ion Ratio Lower Upper

164 100

162 103.8 82.4 123.6

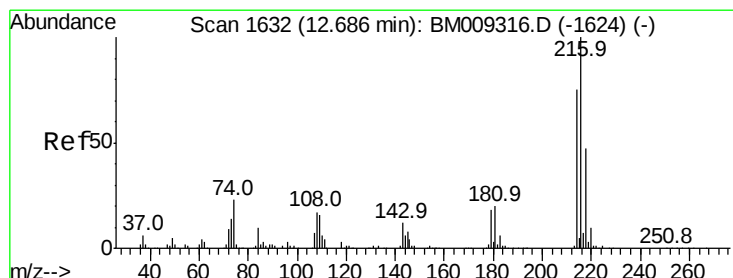
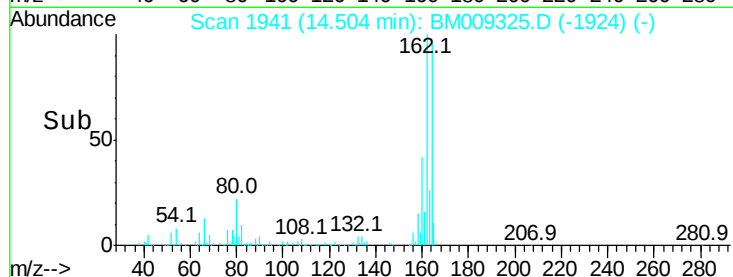
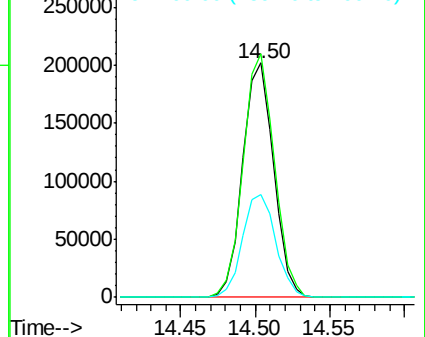
160 44.0 35.8 53.6



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



#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.03 ng

RT: 12.68 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Tgt Ion:216 Resp: 11265

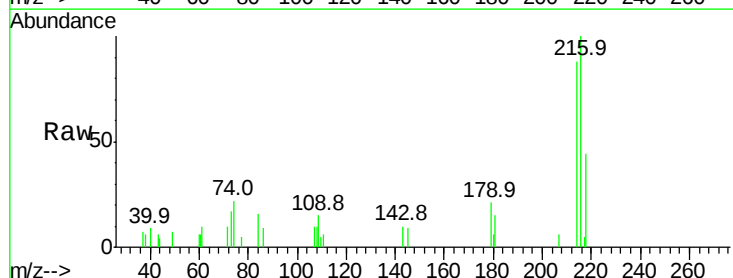
Ion Ratio Lower Upper

216 100

214 85.7 0.0 0.0#

179 21.3 0.0 0.0#

108 17.9 0.0 0.0#

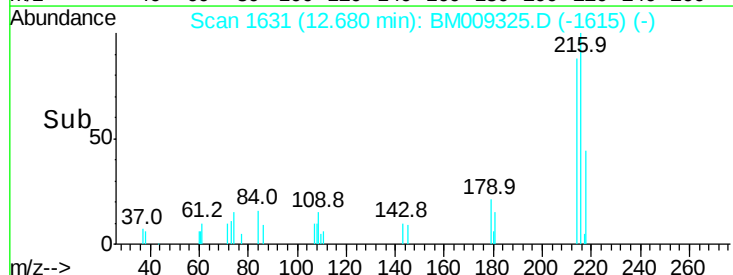
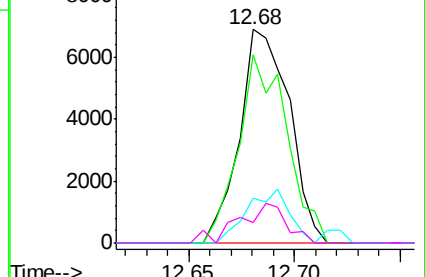


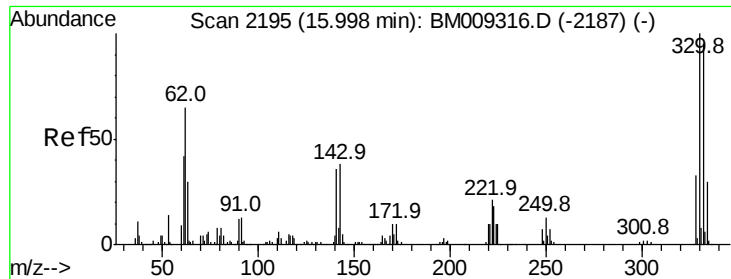
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

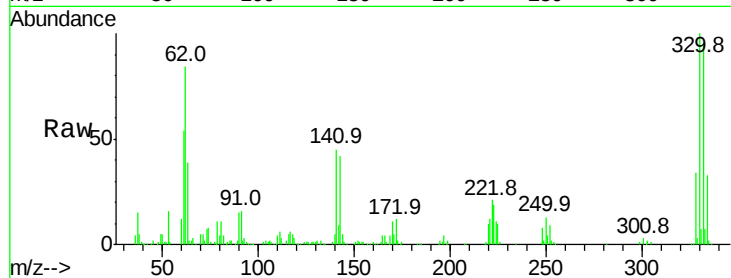




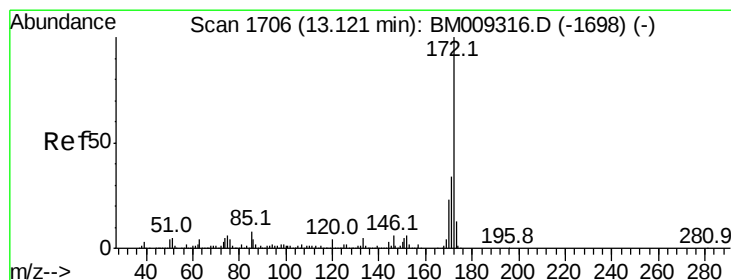
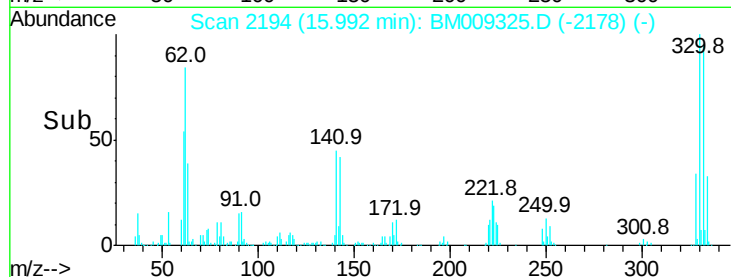
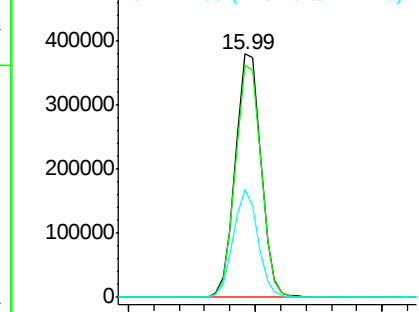
#41
 2,4,6-Tribromophenol
 Concen: 146.81 ng
 RT: 15.99 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	42.6	0.0	0.0#

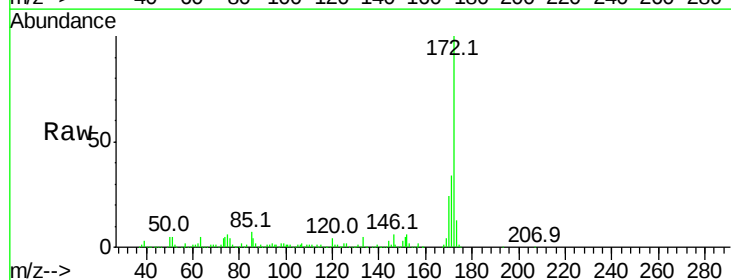


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

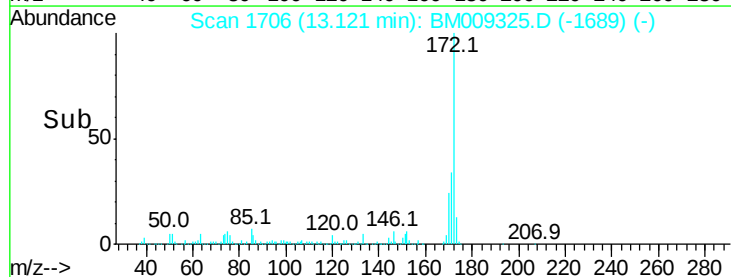
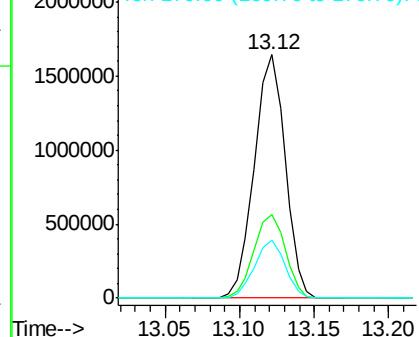


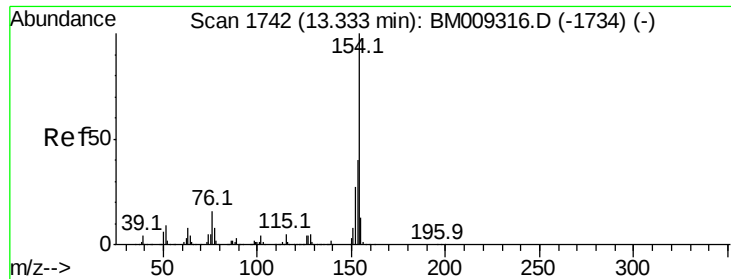
#44
 2-Fluorobiphenyl
 Concen: 97.83 ng
 RT: 13.12 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.5	42.7
170	23.6	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

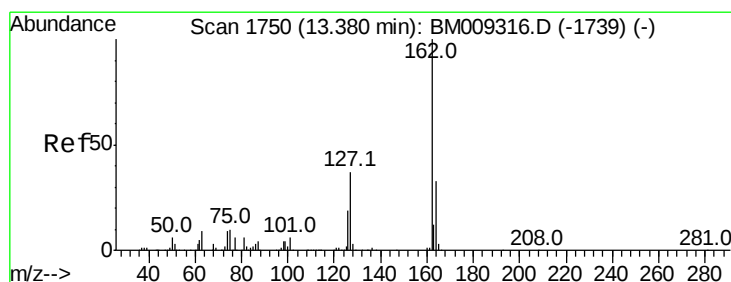
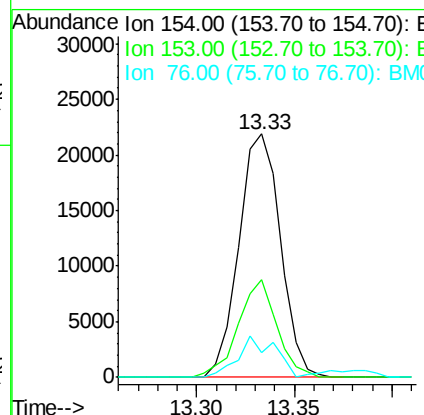
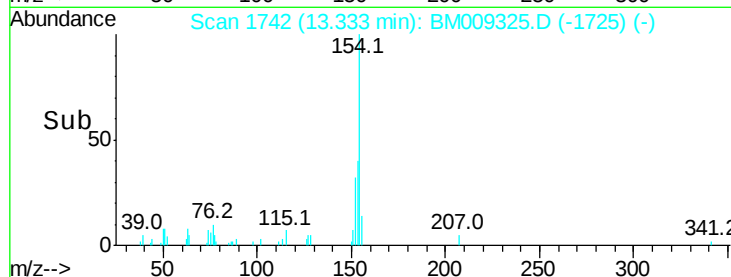
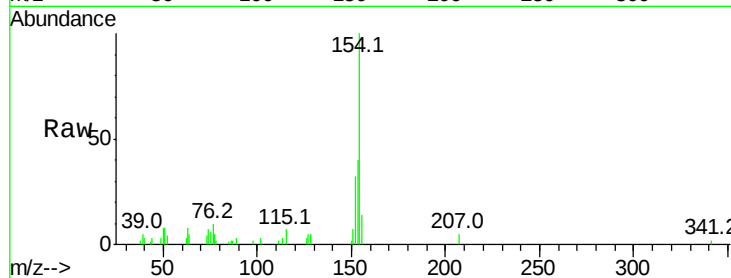




#45
 1,1'-Biphenyl
 Concen: 1.34 ng
 RT: 13.33 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

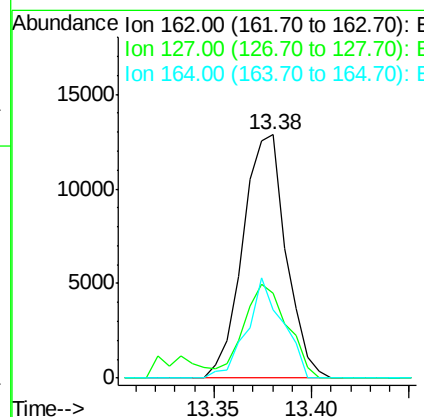
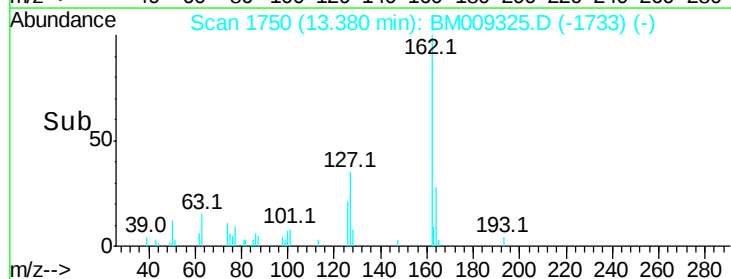
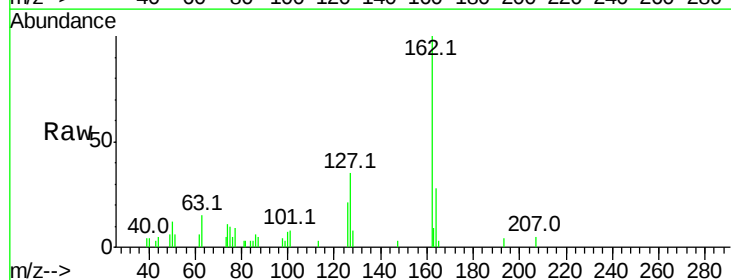
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

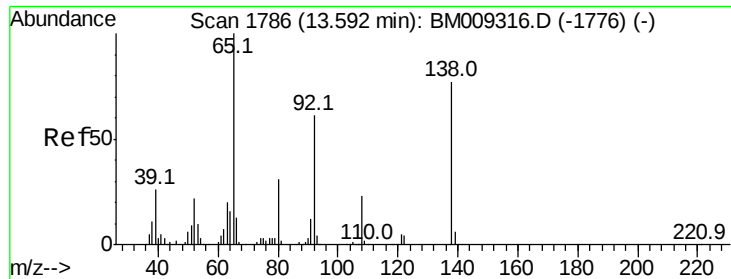
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	10.3	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 1.05 ng
 RT: 13.38 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
162	100		
127	34.6	26.9	40.3
164	28.3	26.8	40.2

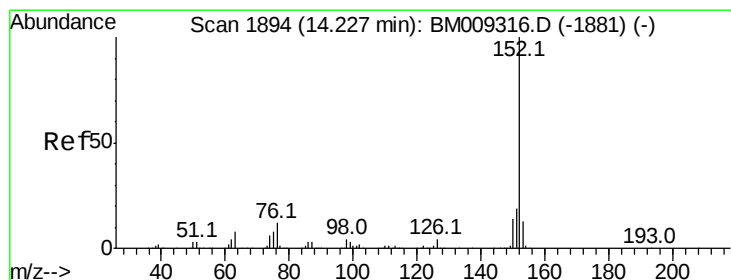
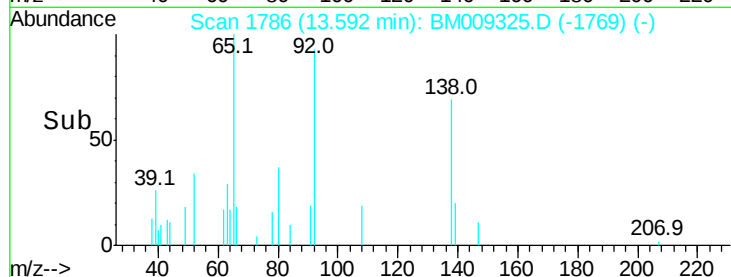
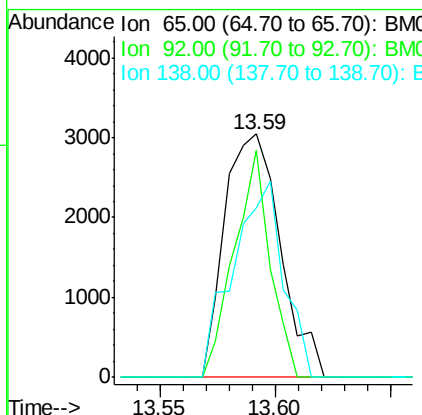
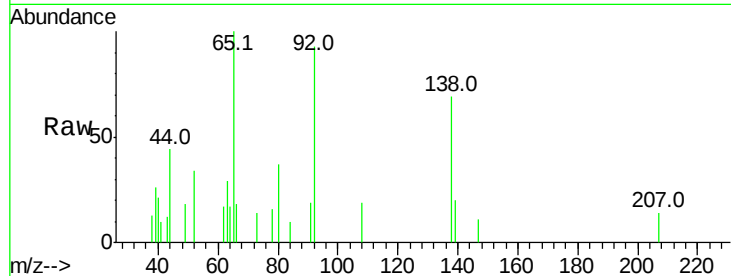




#47
2-Nitroaniline
Concen: 0.74 ng
RT: 13.59 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

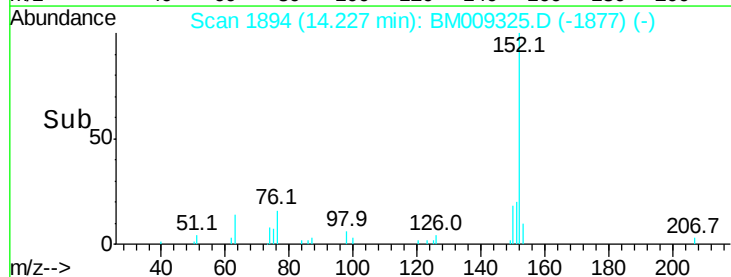
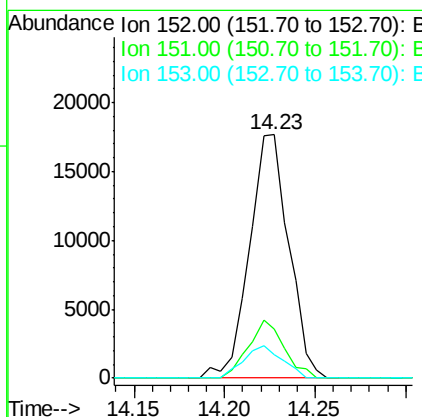
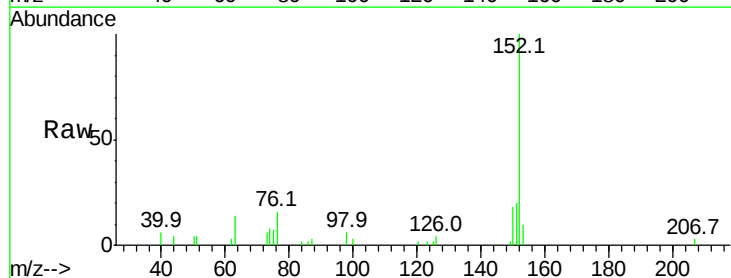
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

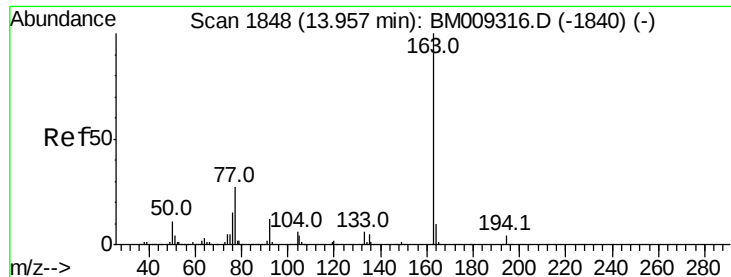
Tot Ion: 65 Resp: 5114
Ion Ratio Lower Upper
65 100
92 93.4 59.1 88.7#
138 69.5 93.9 140.9#



#48
Acenaphthylene
Concen: 0.87 ng
RT: 14.23 min Scan# 1894
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 152 Resp: 26661
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 9.9 10.6 16.0#





#49

Dimethylphthalate

Concen: 1.01 ng

RT: 13.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

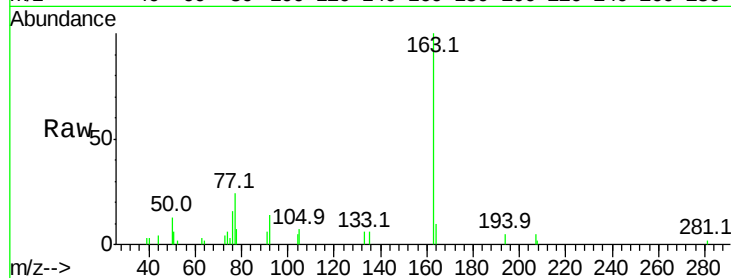
Tot Ion:163 Resp: 22516

Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

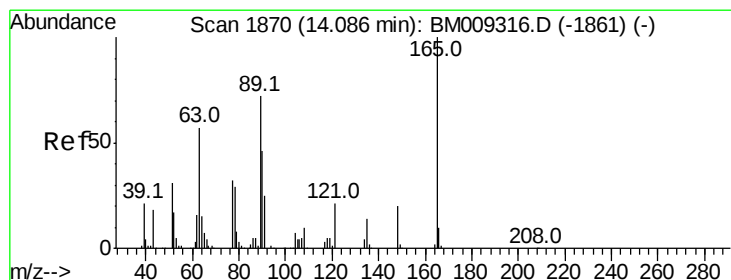
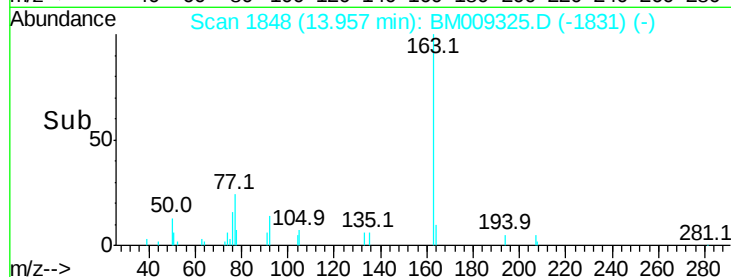
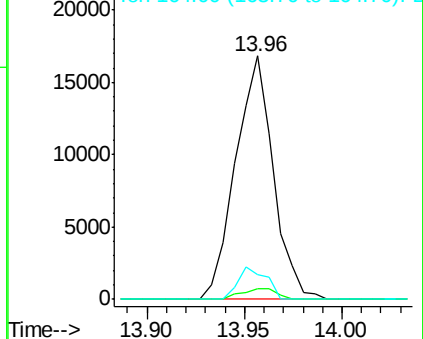
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.76 ng

RT: 14.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

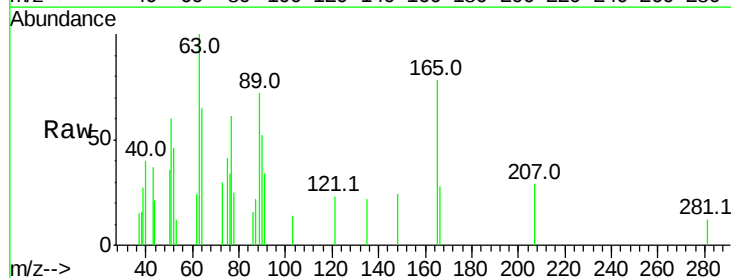
Tgt Ion:165 Resp: 3663

Ion Ratio Lower Upper

165 100

63 128.8 44.1 66.1#

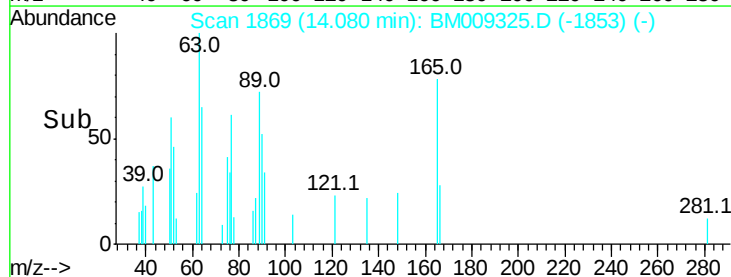
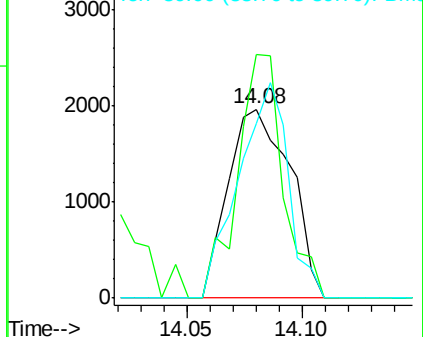
89 92.3 44.3 66.5#

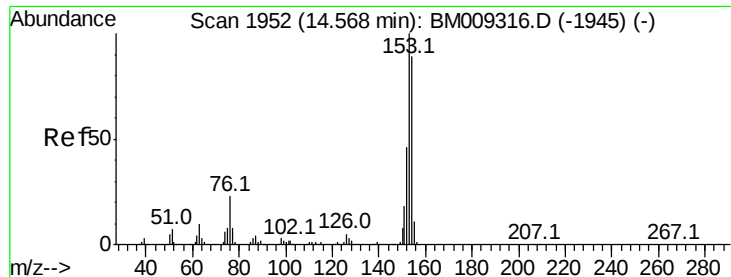


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BMC

Ion 89.00 (88.70 to 89.70): BMC





#51

Acenaphthene

Concen: 0.99 ng

RT: 14.56 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

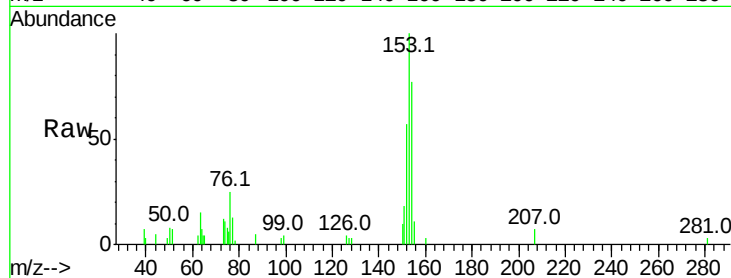
Tot Ion:154 Resp: 18206

Ion Ratio Lower Upper

154 100

153 130.5 90.0 135.0

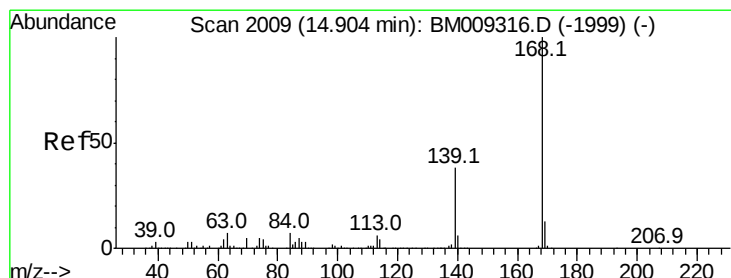
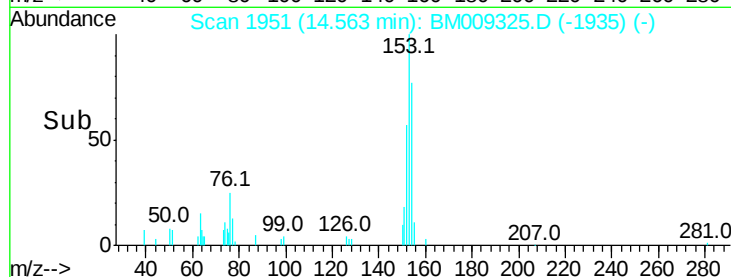
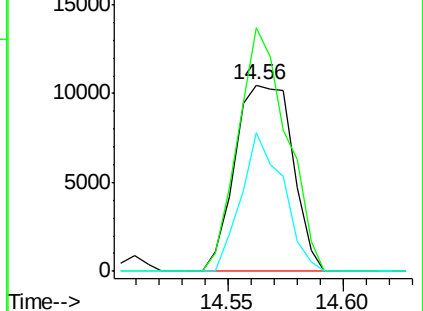
152 74.4 42.6 63.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 1.00 ng

RT: 14.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

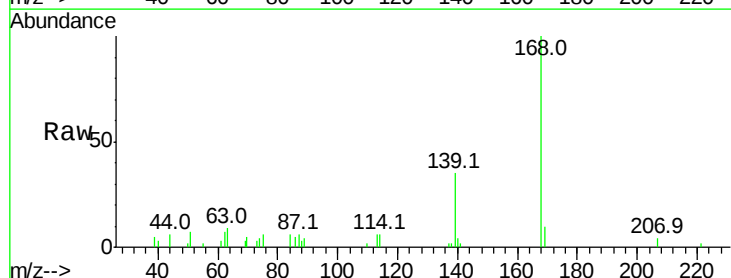
Tgt Ion:168 Resp: 27375

Ion Ratio Lower Upper

168 100

139 35.3 27.3 40.9

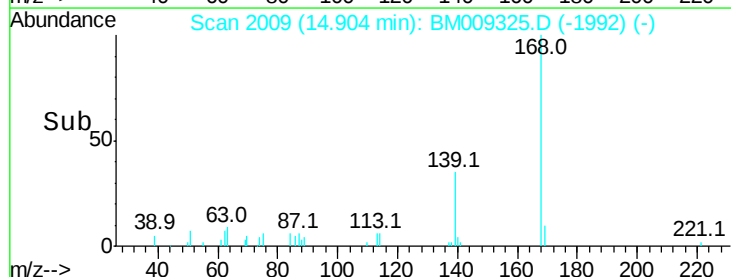
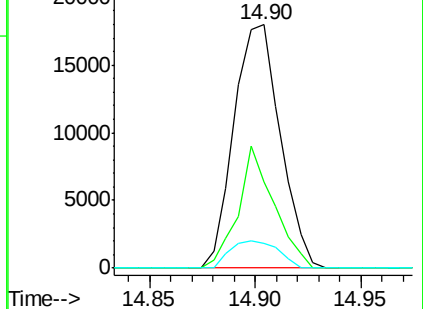
169 10.3 10.6 16.0#

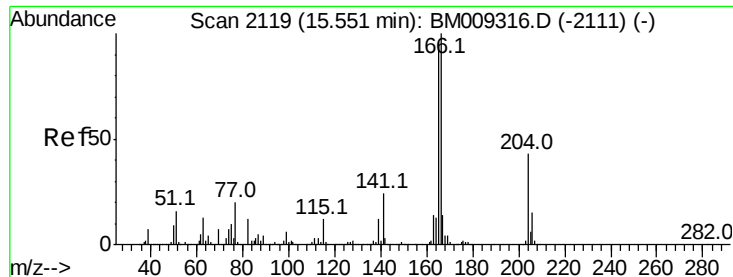


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

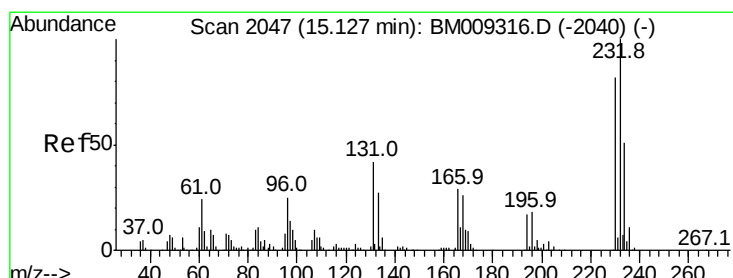
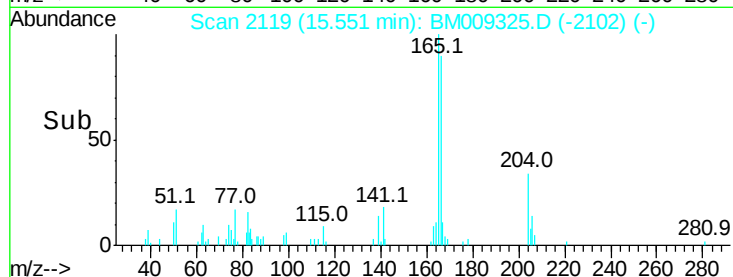
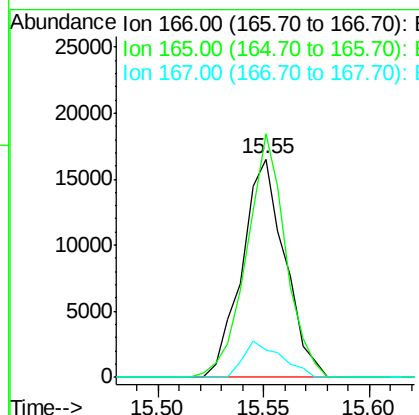
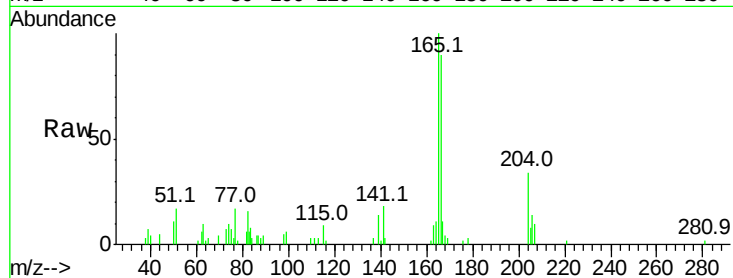




#57
Fluorene
 Concen: 0.95 ng
 RT: 15.55 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

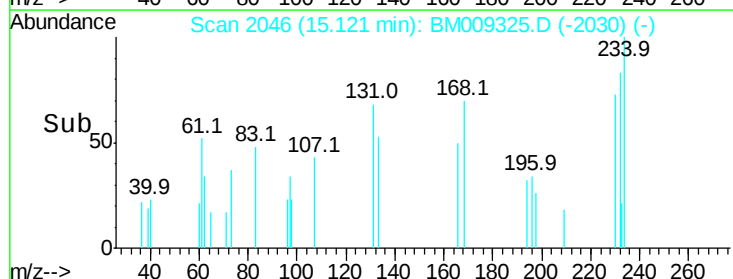
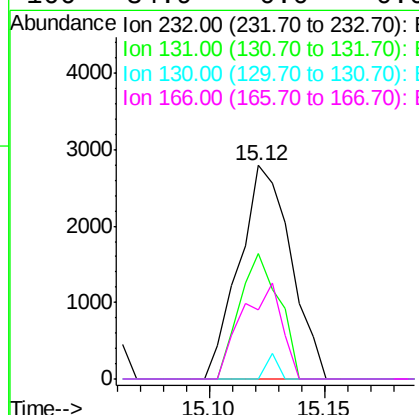
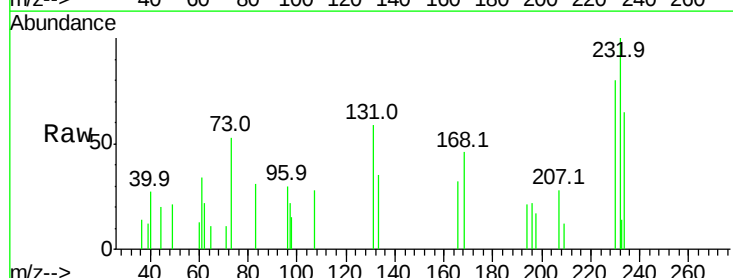
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

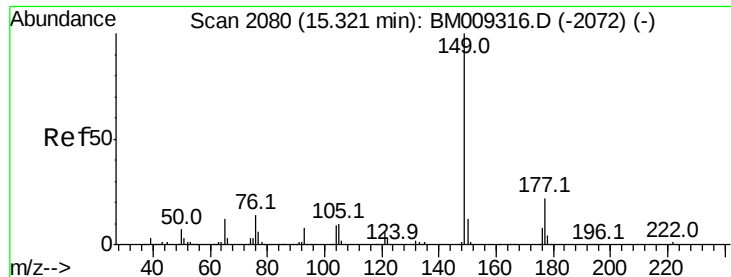
Tot Ion:	166	Resp:	23272
Ion	Ratio	Lower	Upper
166	100		
165	111.4	79.0	118.4
167	12.8	10.3	15.5



#58
2,3,4,6-Tetrachlorophenol
 Concen: 0.74 ng
 RT: 15.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:	232	Resp:	4353
Ion	Ratio	Lower	Upper
232	100		
131	45.4	0.0	0.0#
130	2.7	0.0	0.0#
166	34.9	0.0	0.0#

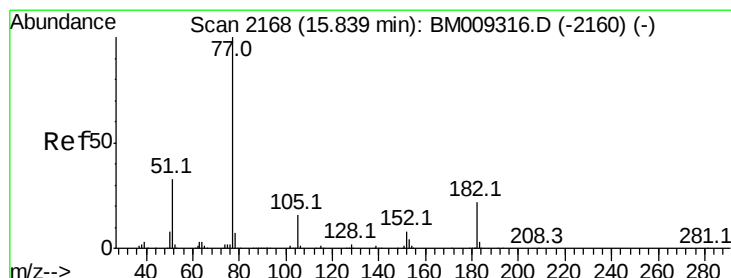
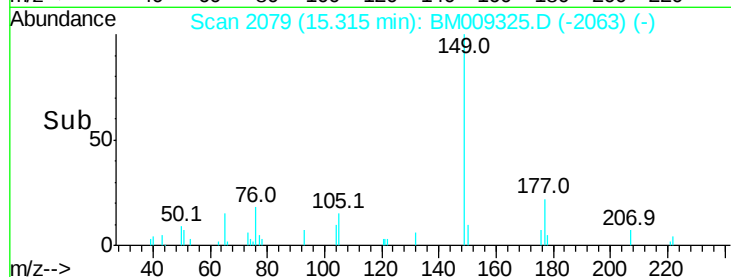
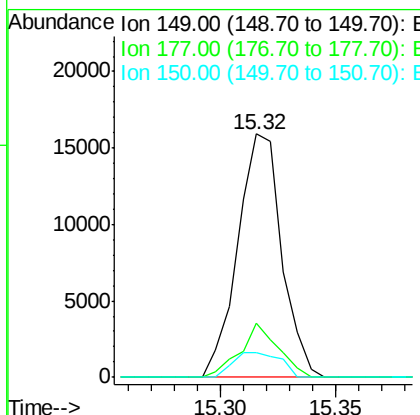
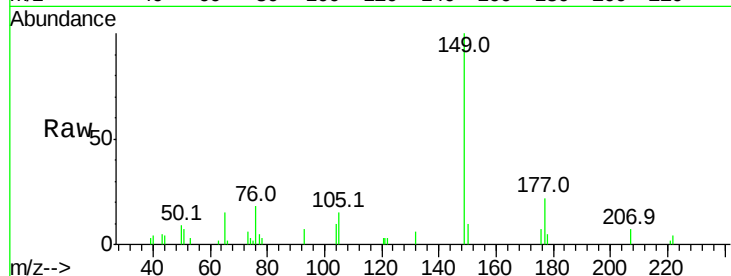




#59
Diethylphthalate
Concen: 0.93 ng
RT: 15.32 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

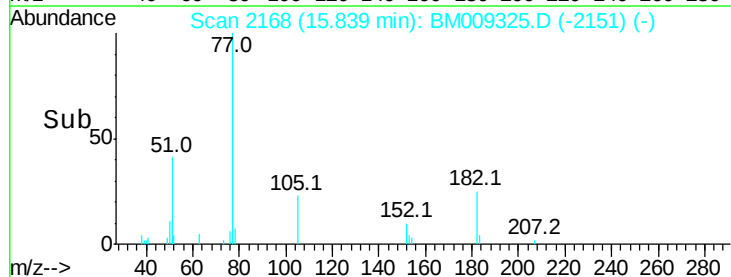
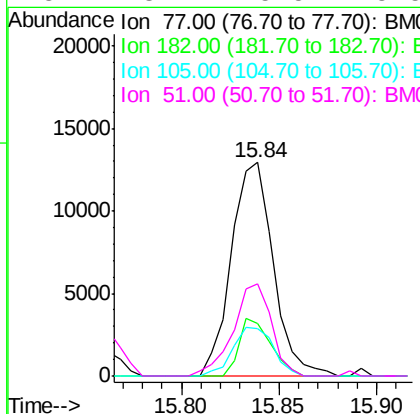
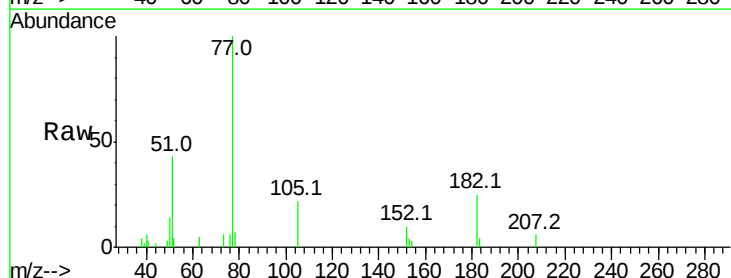
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

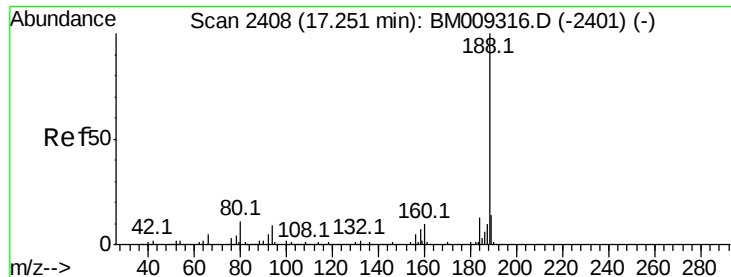
Tot Ion:149 Resp: 21091
Ion Ratio Lower Upper
149 100
177 22.5 18.3 27.5
150 10.4 9.8 14.8



#62
Azobenzene
Concen: 0.73 ng
RT: 15.84 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 77 Resp: 19289
Ion Ratio Lower Upper
77 100
182 24.7 6.5 46.5
105 22.4 3.8 43.8
51 43.1 5.5 45.5

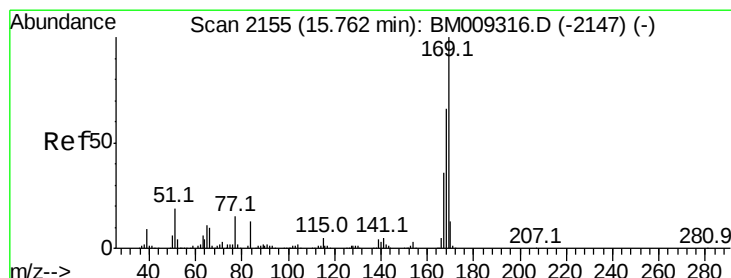
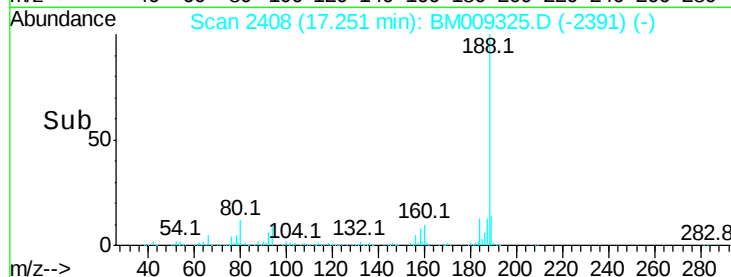
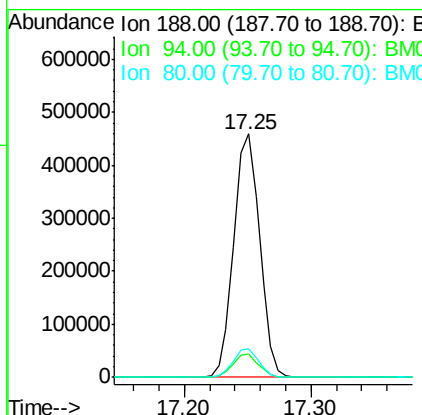
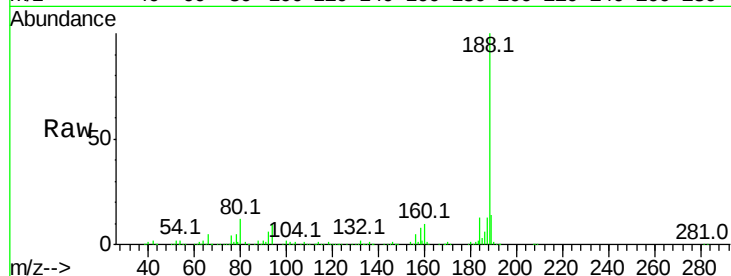




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.25 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

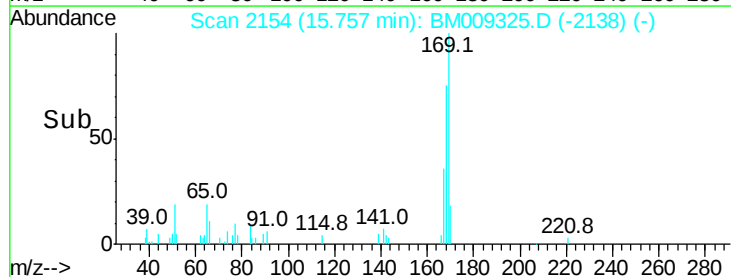
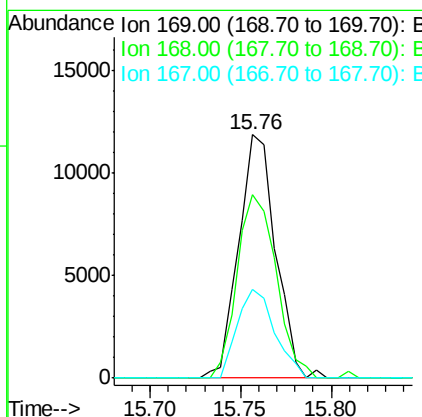
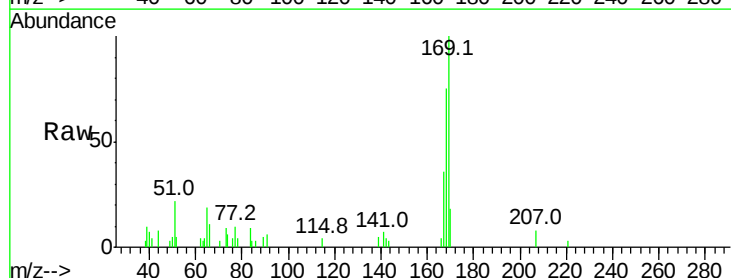
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

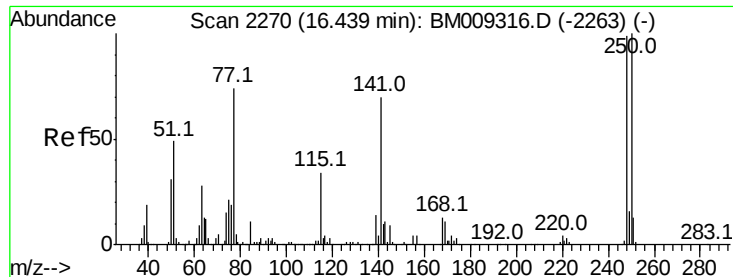
Tot Ion:188 Resp: 649336
Ion Ratio Lower Upper
188 100
94 9.5 8.7 13.1
80 11.8 9.3 13.9



#65
n-Nitrosodiphenylamine
Concen: 0.86 ng
RT: 15.76 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:169 Resp: 16871
Ion Ratio Lower Upper
169 100
168 75.3 53.9 80.9
167 36.5 28.9 43.3





#66

4-Bromophenyl-phenylether

Concen: 1.03 ng

RT: 16.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

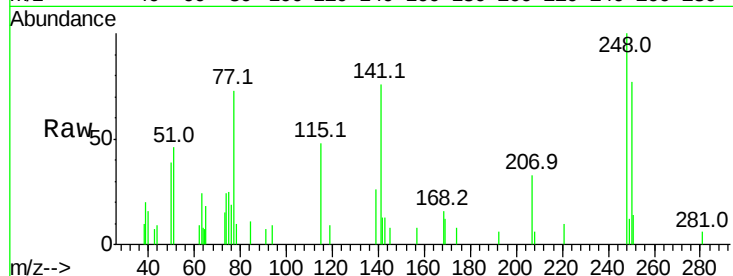
BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:248 Resp: 7782

Ion	Ratio	Lower	Upper
248	100		
250	76.5	77.4	116.0#
141	75.8	45.2	67.8#

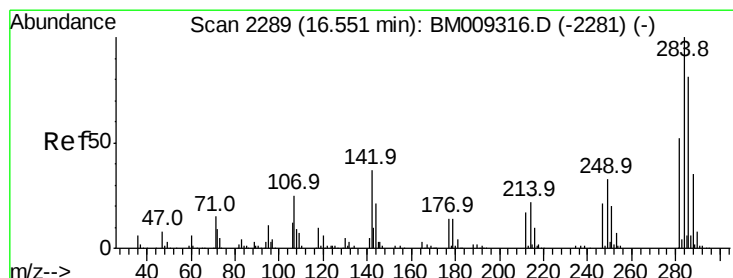
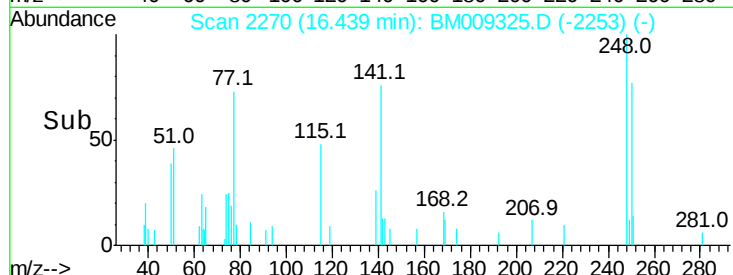
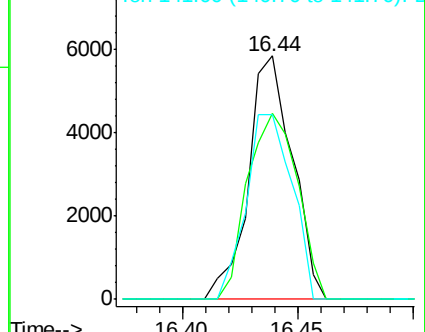


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#67

Hexachlorobenzene

Concen: 1.09 ng

RT: 16.54 min Scan# 2288

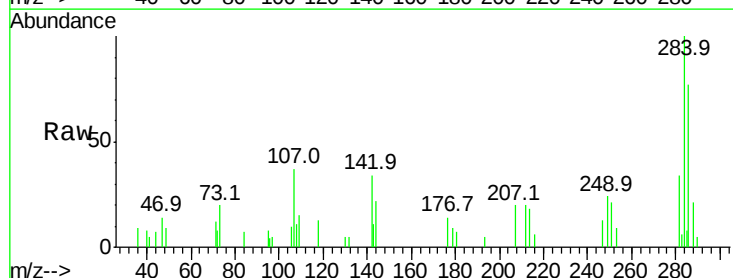
Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Tgt Ion:284 Resp: 9001

Ion	Ratio	Lower	Upper
284	100		
142	33.8	20.4	30.6#
249	23.8	23.8	35.6

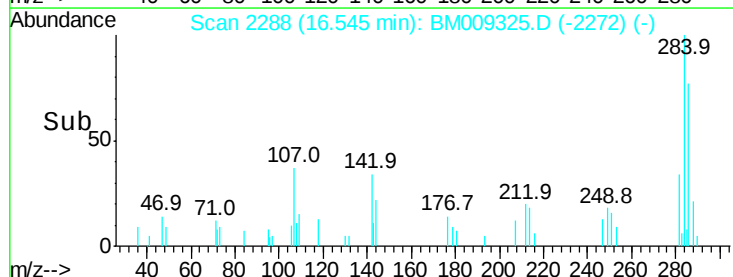
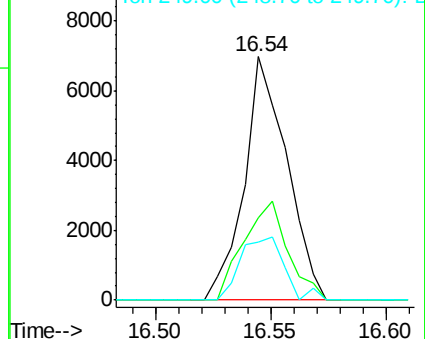


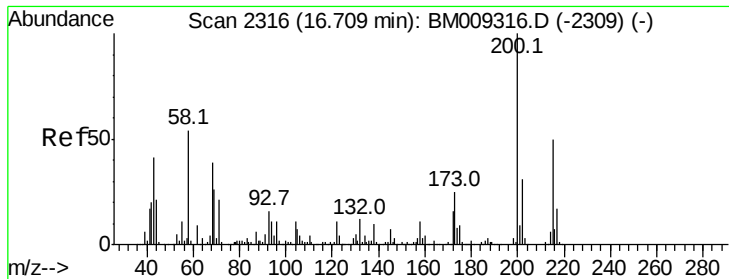
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

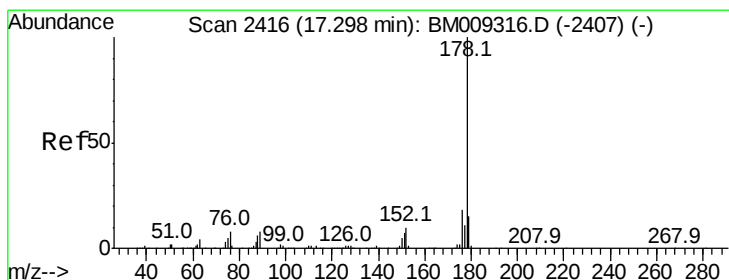
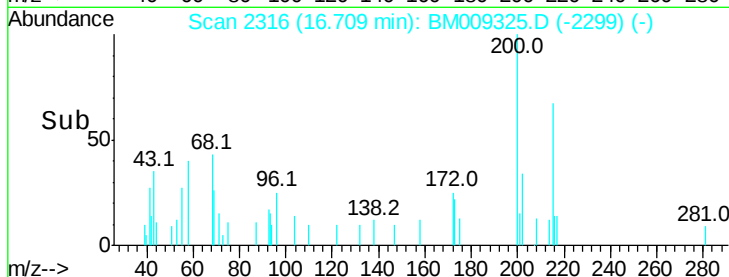
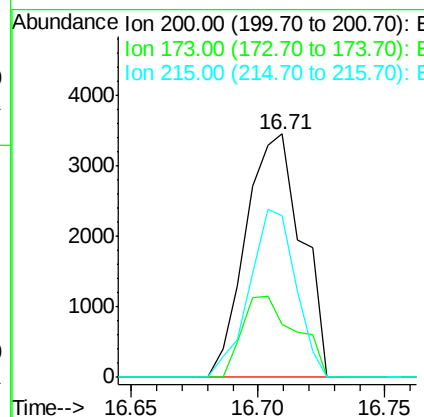
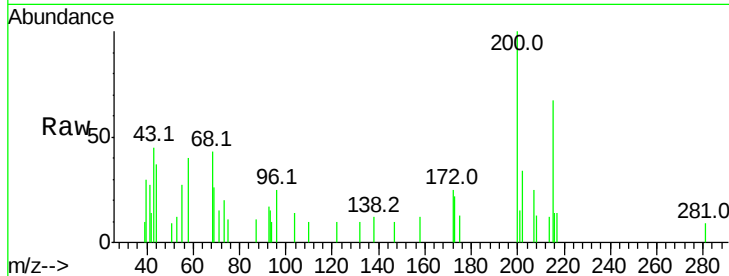




#68
Atrazine
Concen: 0.71 ng
RT: 16.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

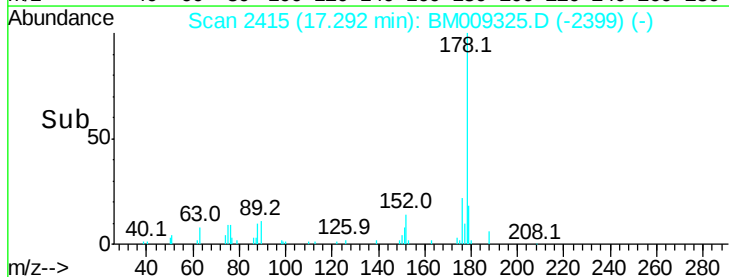
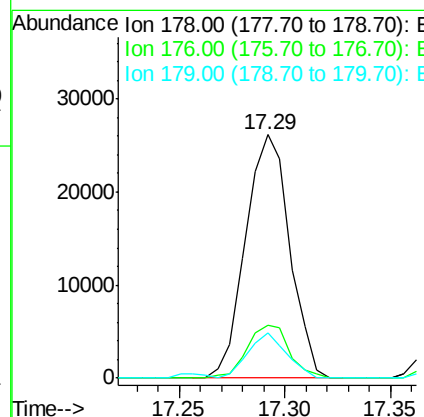
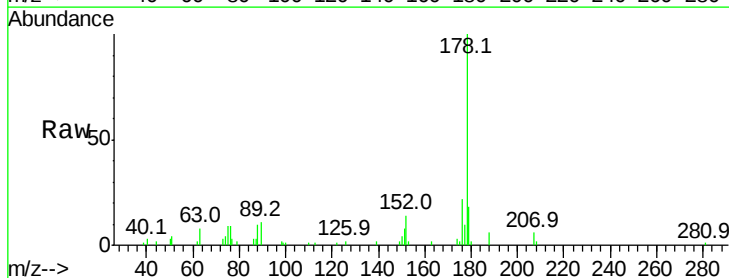
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

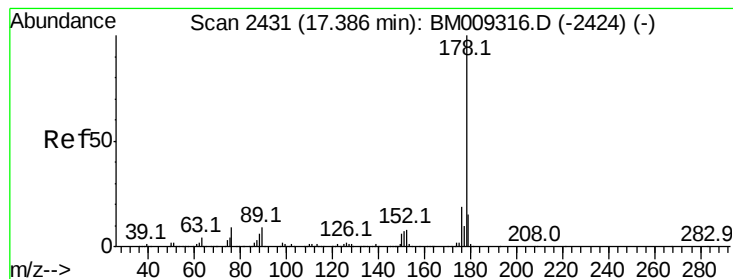
Tot Ion:200 Resp: 5279
Ion Ratio Lower Upper
200 100
173 21.8 4.8 44.8
215 66.6 26.9 66.9



#70
Phenanthrene
Concen: 1.02 ng
RT: 17.29 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:178 Resp: 37884
Ion Ratio Lower Upper
178 100
176 22.0 15.2 22.8
179 18.4 12.1 18.1#





#71

Anthracene

Concen: 0.89 ng

RT: 17.38 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

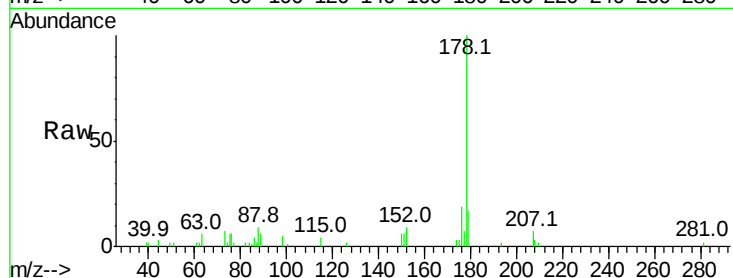
Tot Ion:178 Resp: 33567

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

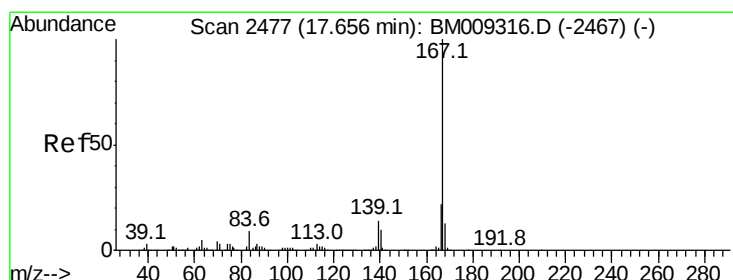
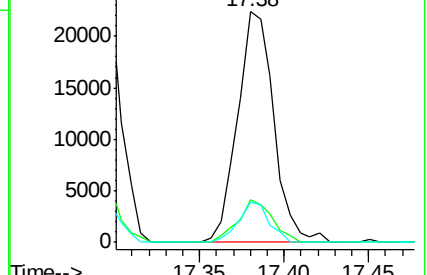
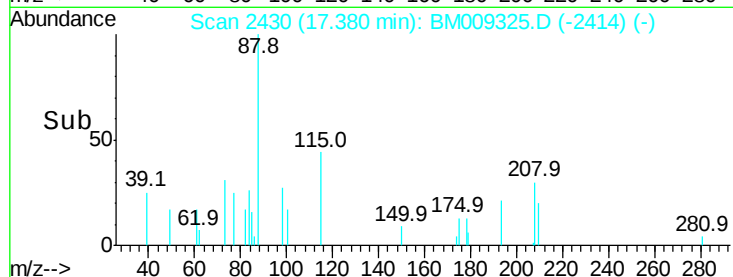
179 17.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.83 ng

RT: 17.66 min Scan# 2477

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

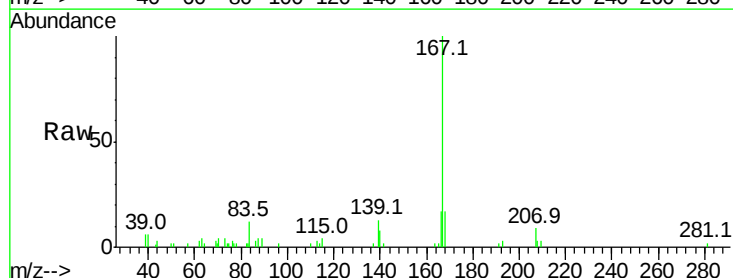
Tgt Ion:167 Resp: 30061

Ion Ratio Lower Upper

167 100

166 16.5 17.2 25.8#

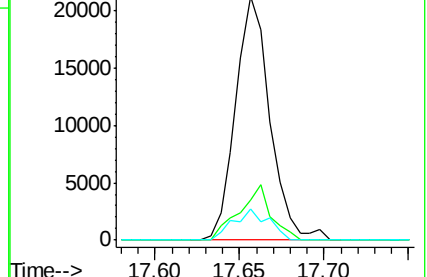
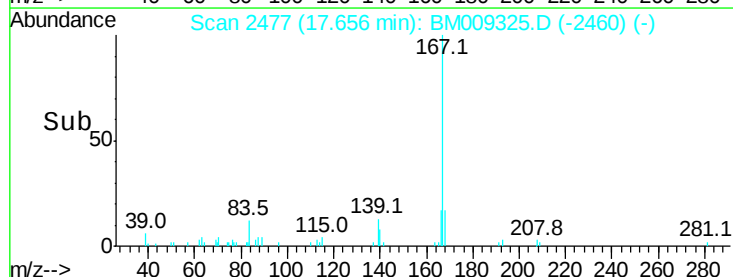
139 12.6 10.8 16.2

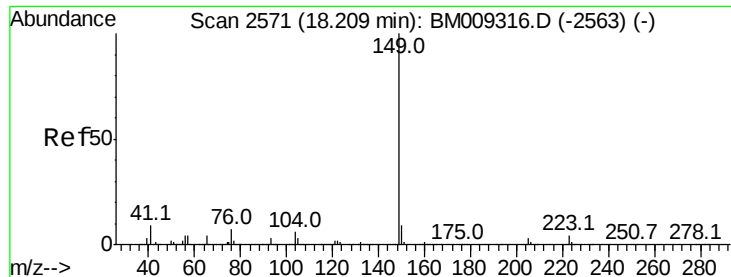


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

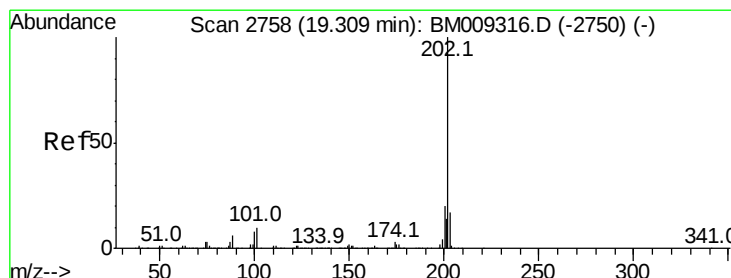
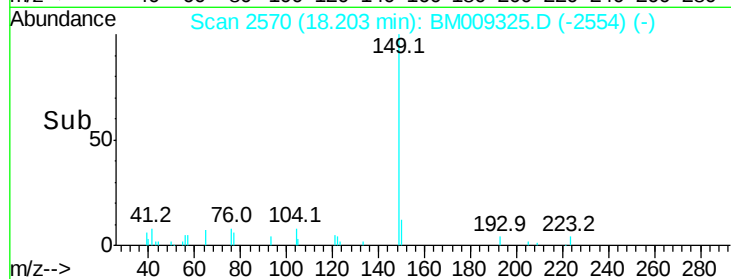
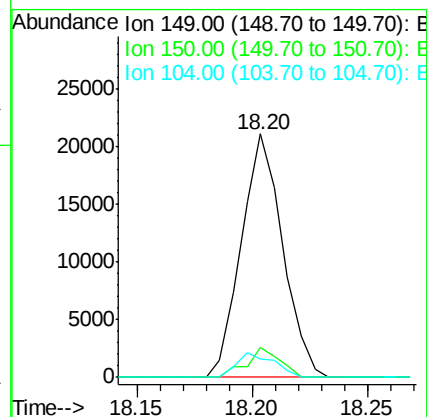
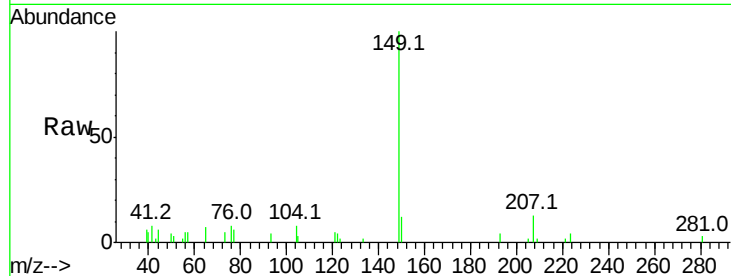




#73
Di-n-butylphthalate
Concen: 0.72 ng
RT: 18.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

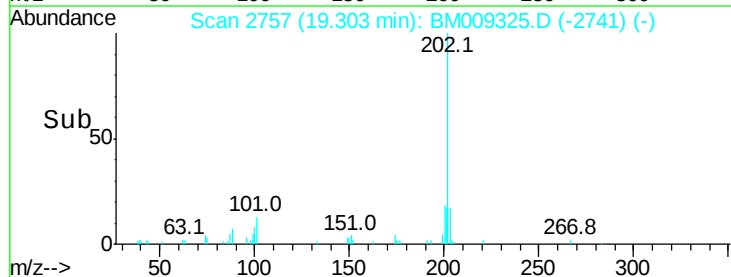
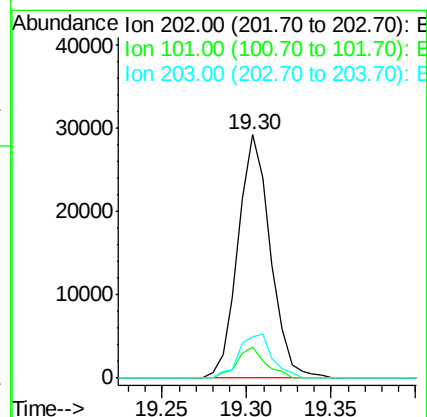
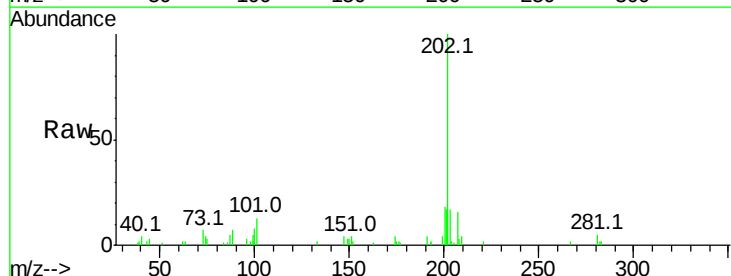
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

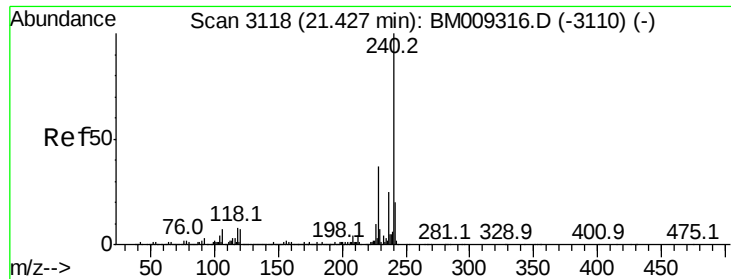
Tot Ion:149 Resp: 26327
Ion Ratio Lower Upper
149 100
150 12.2 7.5 11.3#
104 7.5 3.7 5.5#



#74
Fluoranthene
Concen: 0.89 ng
RT: 19.30 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion:202 Resp: 39000
Ion Ratio Lower Upper
202 100
101 12.8 0.0 28.7
203 16.7 0.0 37.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.43 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

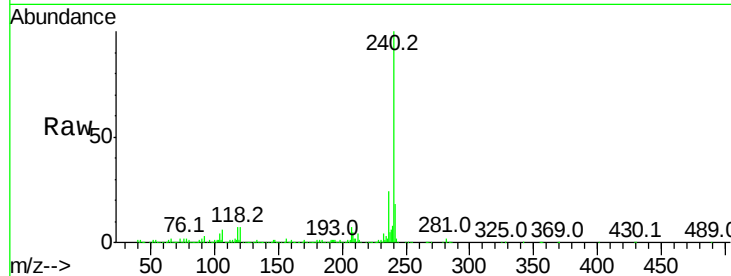
Tot Ion:240 Resp: 800685

Ion Ratio Lower Upper

240 100

120 6.9 8.2 12.2#

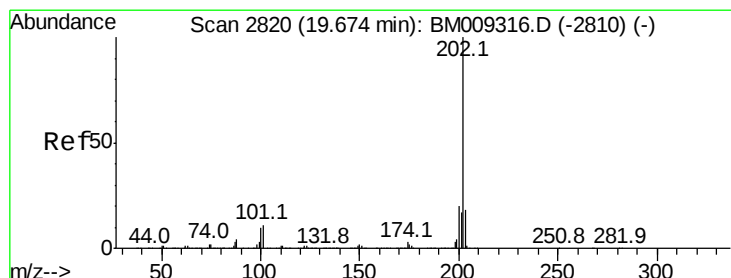
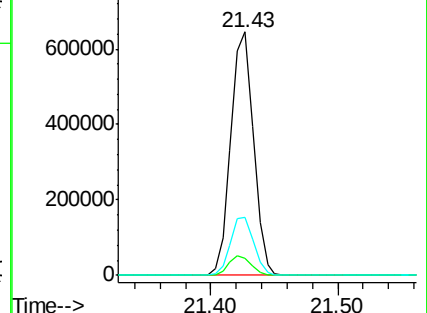
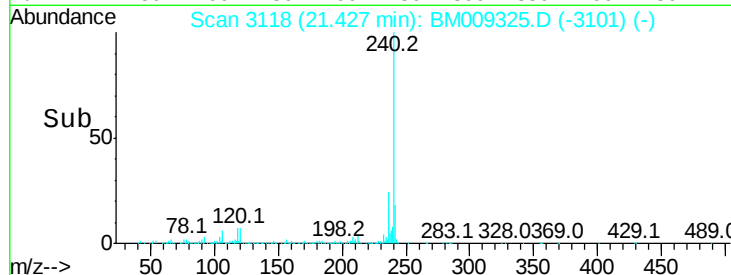
236 23.6 20.0 30.0



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



#77

Pyrene

Concen: 0.89 ng

RT: 19.67 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

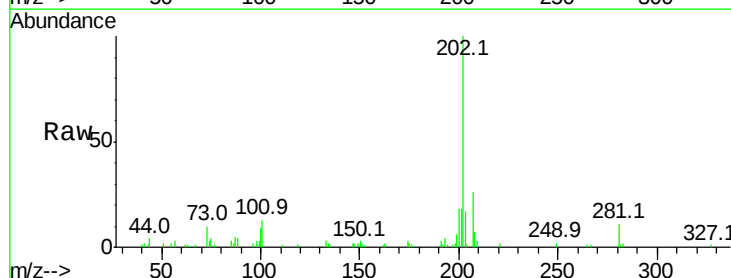
Tgt Ion:202 Resp: 40517

Ion Ratio Lower Upper

202 100

200 18.5 16.9 25.3

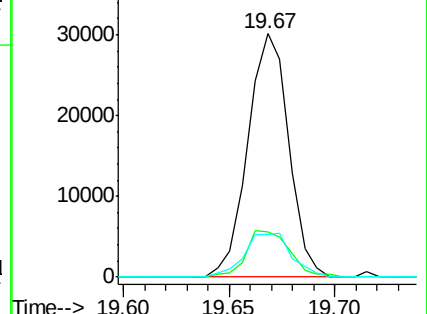
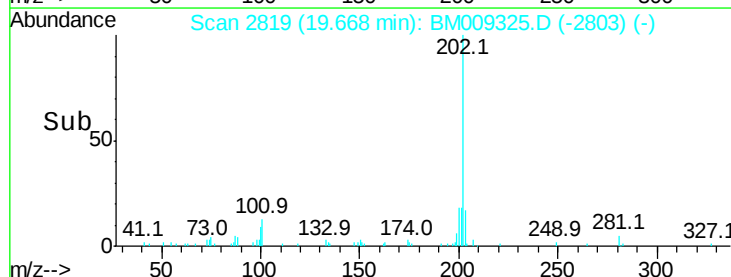
203 17.3 14.1 21.1

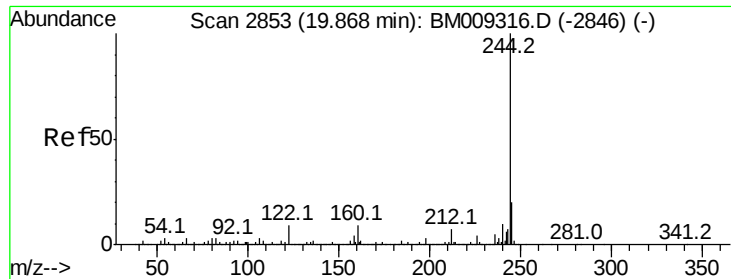


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

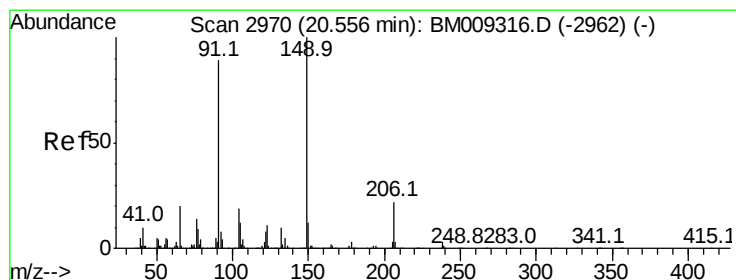
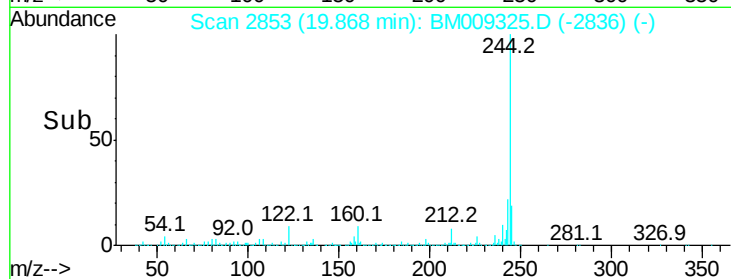
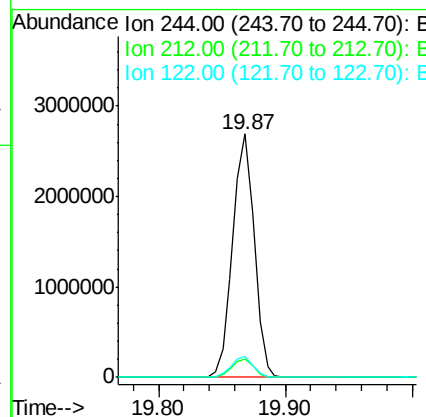
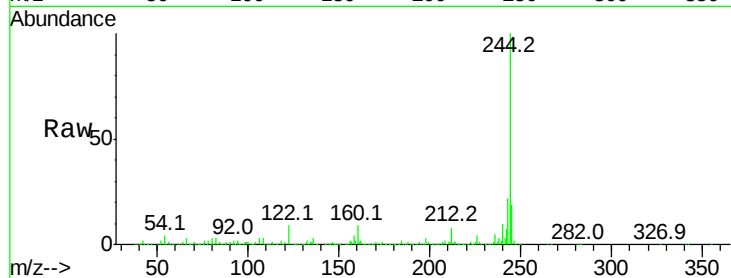




#78
 Terphenyl-d14
 Concen: 82.56 ng
 RT: 19.87 min Scan# 2853
 Delta R.T. 0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

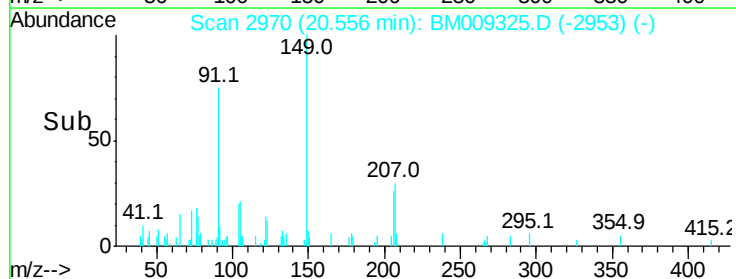
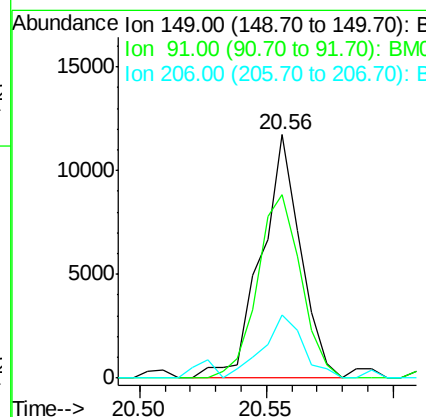
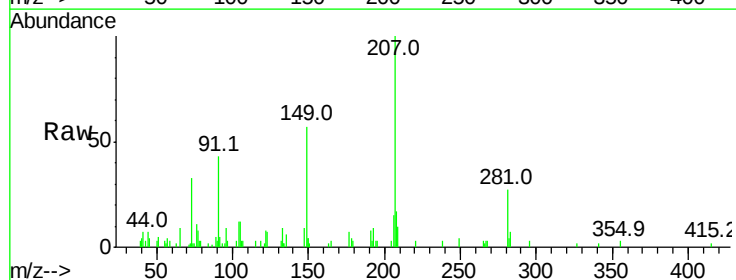
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

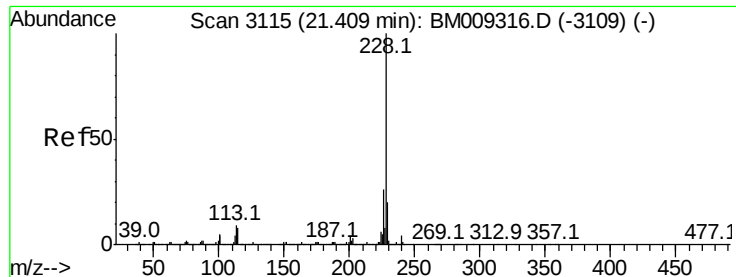
Tot Ion:244 Resp: 3163561
 Ion Ratio Lower Upper
 244 100
 212 7.5 4.9 7.3#
 122 8.8 6.2 9.4



#79
 Butylbenzylphthalate
 Concen: 0.78 ng
 RT: 20.56 min Scan# 2970
 Delta R.T. -0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:149 Resp: 12723
 Ion Ratio Lower Upper
 149 100
 91 75.2 50.1 75.1#
 206 26.1 16.2 24.2#





#80

Benzo(a)anthracene

Concen: 0.98 ng

RT: 21.41 min Scan# 3115

Delta R.T. -0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

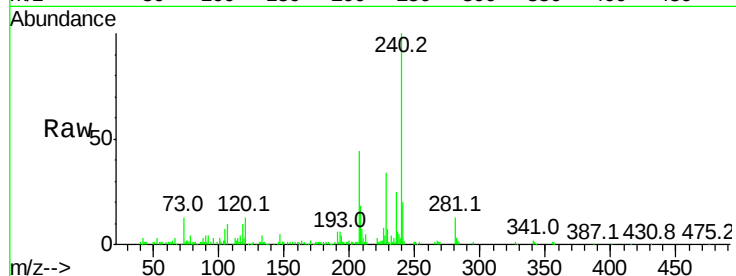
Tot Ion:228 Resp: 45972

Ion Ratio Lower Upper

228 100

226 24.3 21.7 32.5

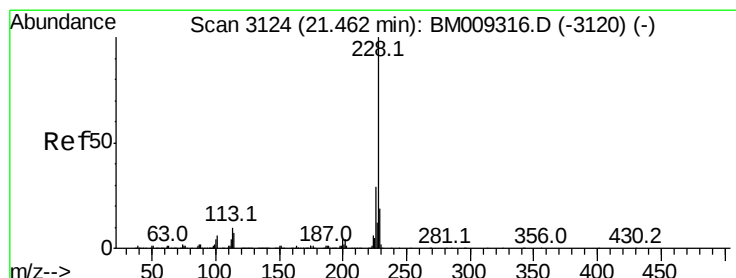
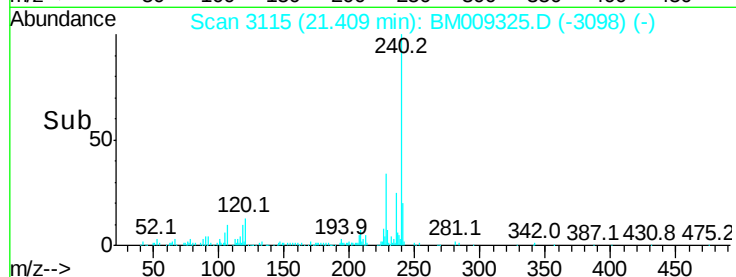
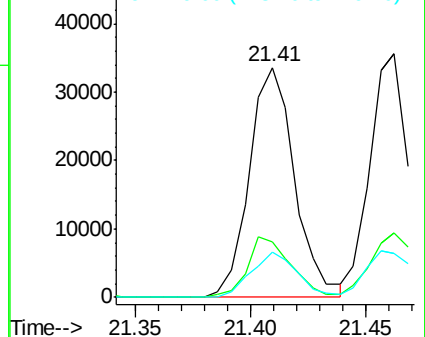
229 19.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.96 ng

RT: 21.46 min Scan# 3124

Delta R.T. 0.00 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

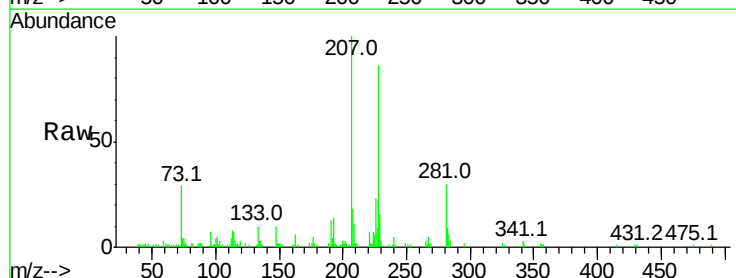
Tgt Ion:228 Resp: 42969

Ion Ratio Lower Upper

228 100

226 26.3 24.1 36.1

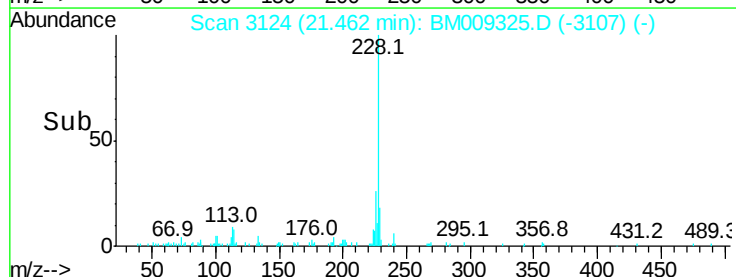
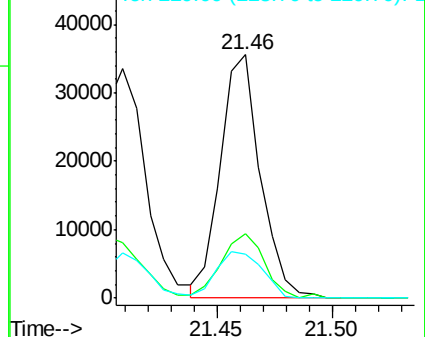
229 18.2 15.5 23.3

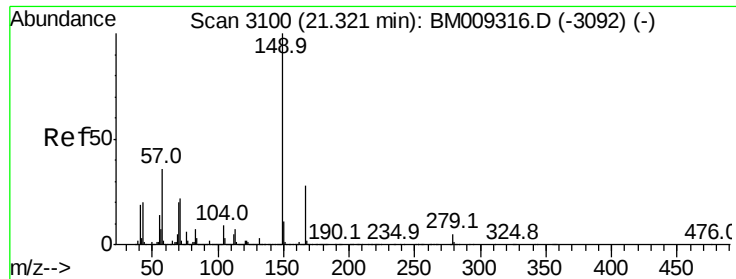


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

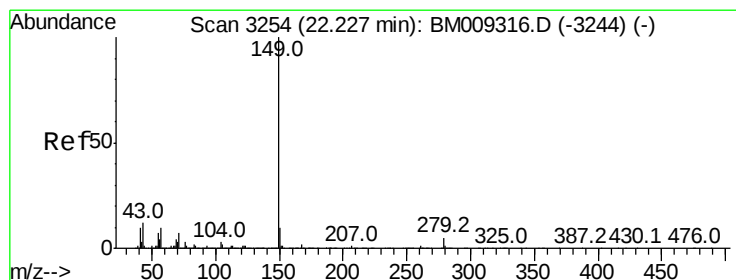
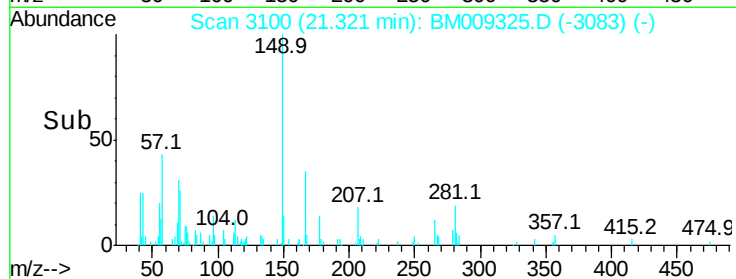
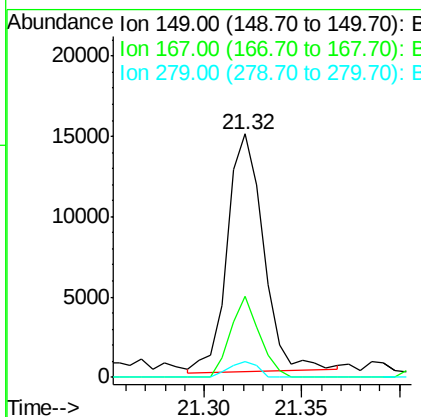
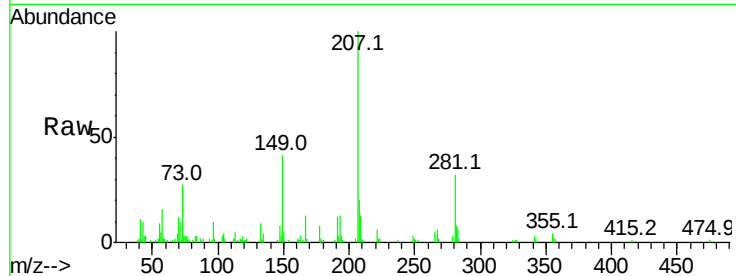




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.78 ng
 RT: 21.32 min Scan# 3100
 Delta R.T. 0.00 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

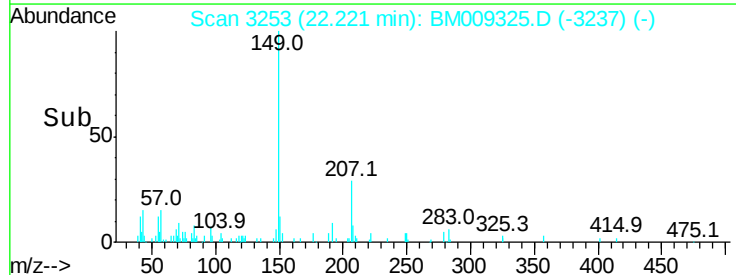
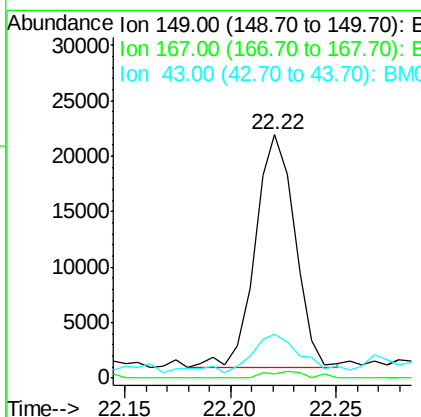
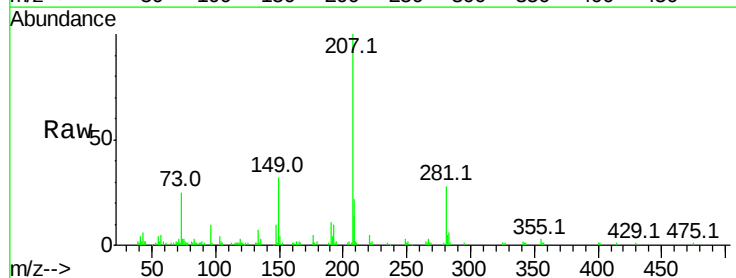
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

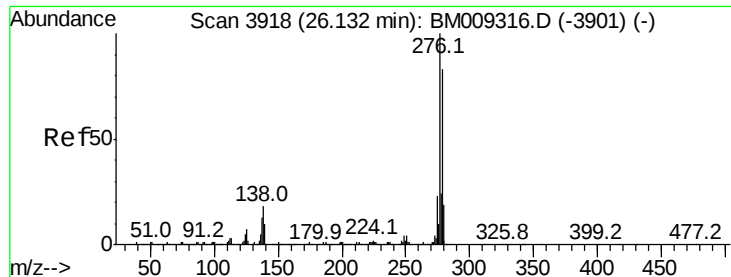
Tot Ion	Ratio	Lower	Upper
149	100		
167	33.0	22.4	33.6
279	6.5	3.4	5.0



#84
 Di-n-octyl phthalate
 Concen: 0.68 ng
 RT: 22.22 min Scan# 3253
 Delta R.T. -0.01 min
 Lab File: BM009325.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	3.0	1.2	1.8
43	18.2	7.3	10.9

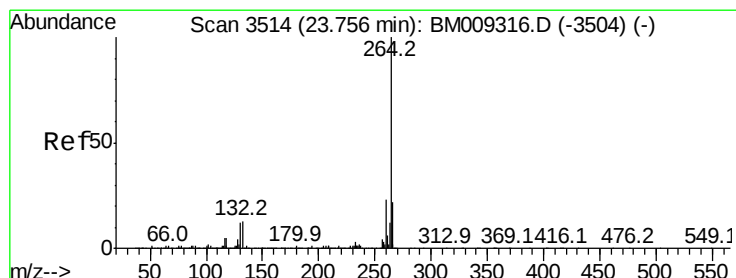
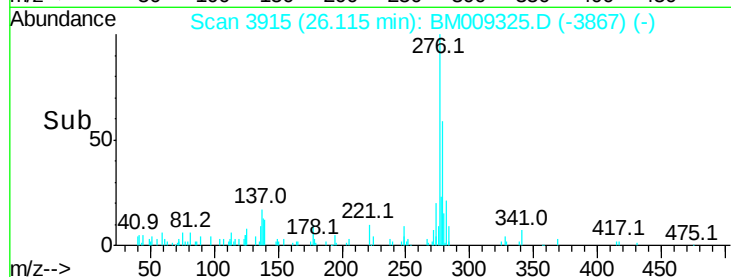
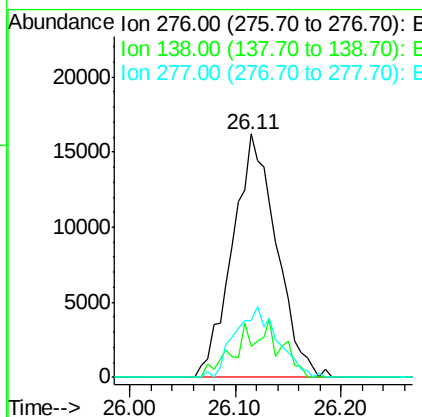
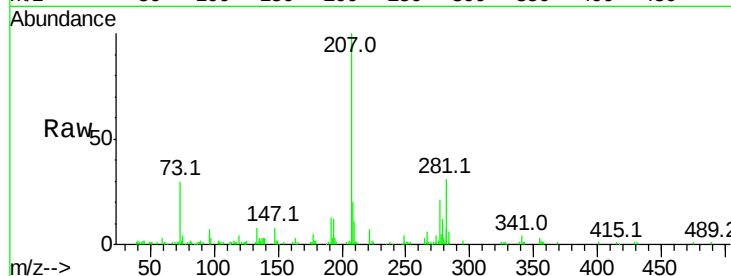




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.96 ng
RT: 26.11 min Scan# 3915
Delta R.T. -0.02 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

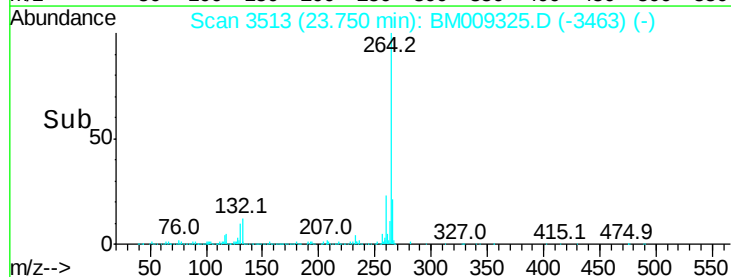
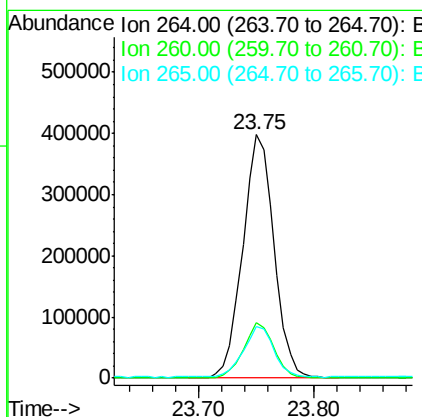
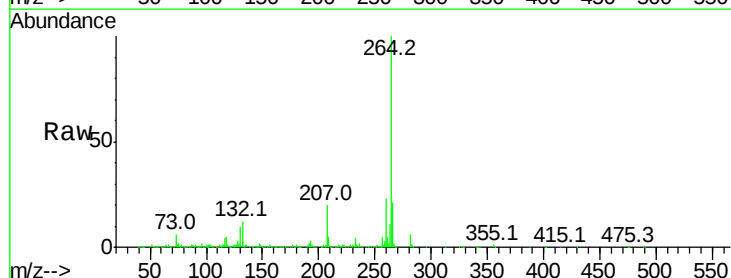
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

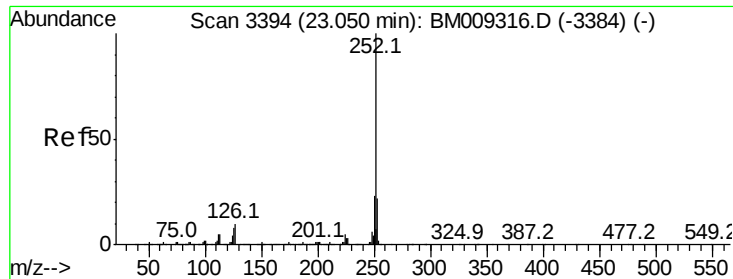
Tot Ion	Ratio	Lower	Upper
276	100		
138	9.6	0.0	0.0#
277	28.2	0.0	0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM009325.D
Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	21.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 0.97 ng

RT: 23.04 min Scan# 3393

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

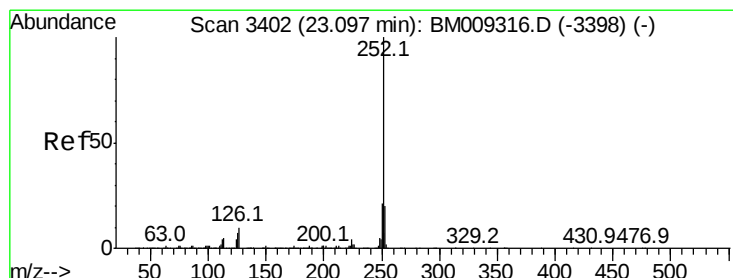
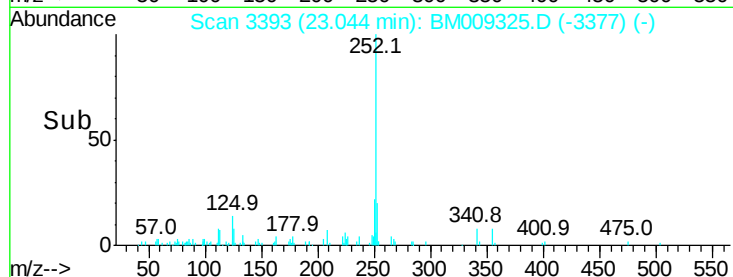
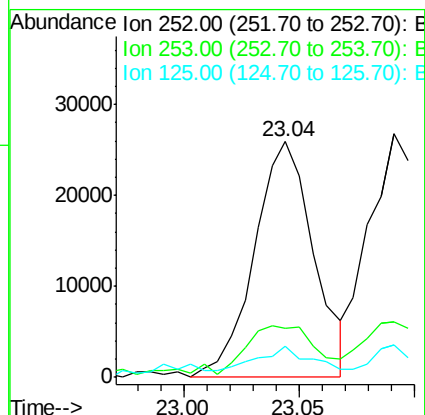
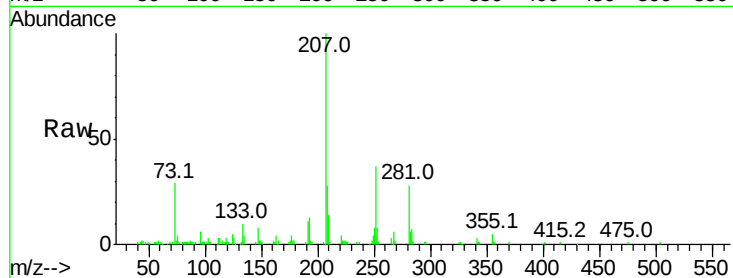
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot	Ion:252	Resp:	46390
Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.0	27.0
125	13.3	9.9	14.9



#88

Benzo(k)fluoranthene

Concen: 1.00 ng

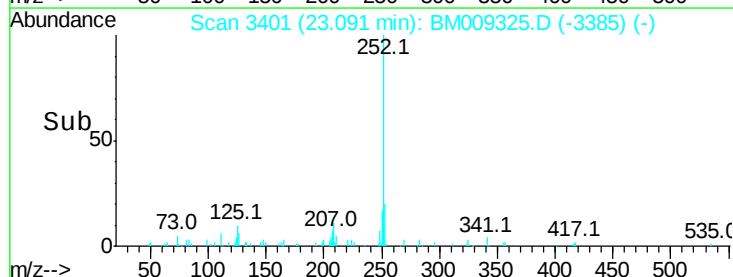
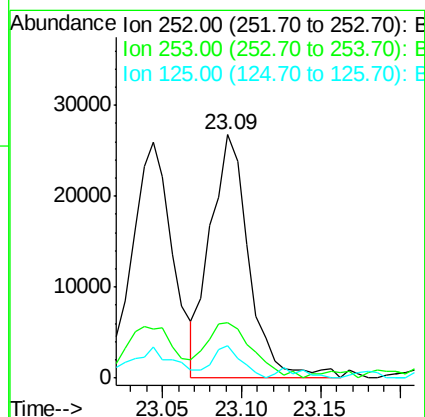
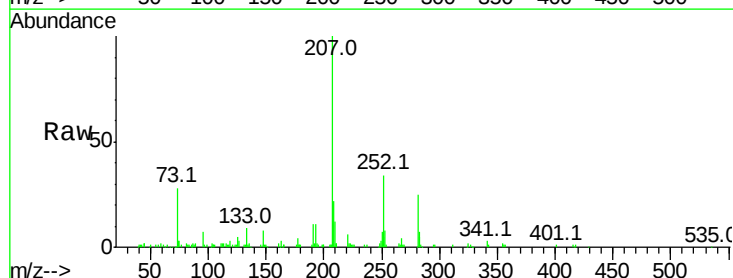
RT: 23.09 min Scan# 3401

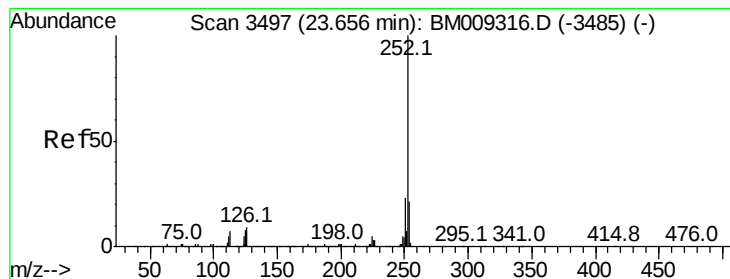
Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Tgt	Ion:252	Resp:	45644
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	13.4	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 0.99 ng

RT: 23.64 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

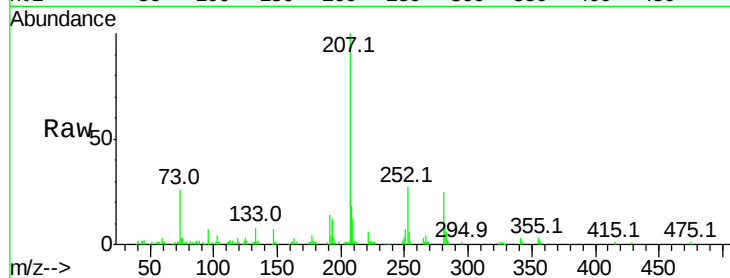
Tot Ion:252 Resp: 43532

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

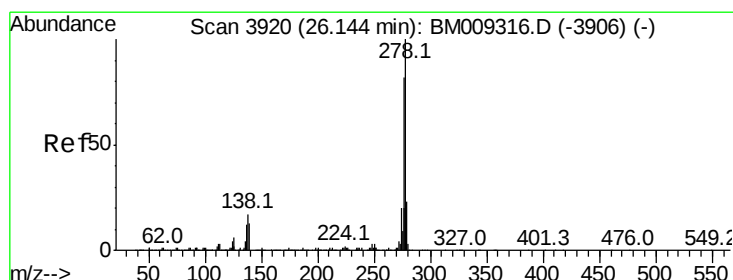
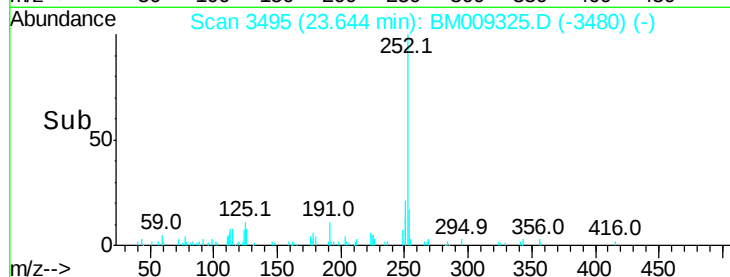
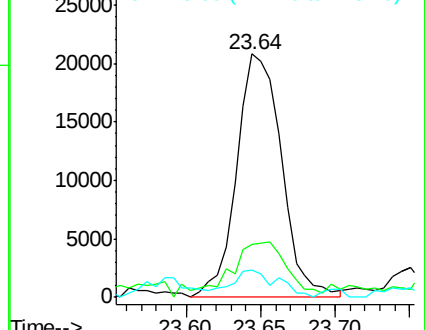
125 11.0 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 0.97 ng

RT: 26.14 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

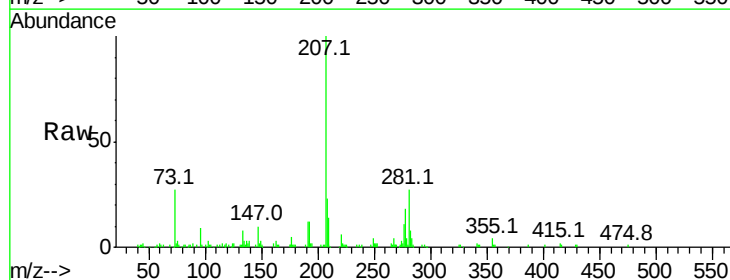
Tgt Ion:278 Resp: 42069

Ion Ratio Lower Upper

278 100

139 17.1 13.4 20.0

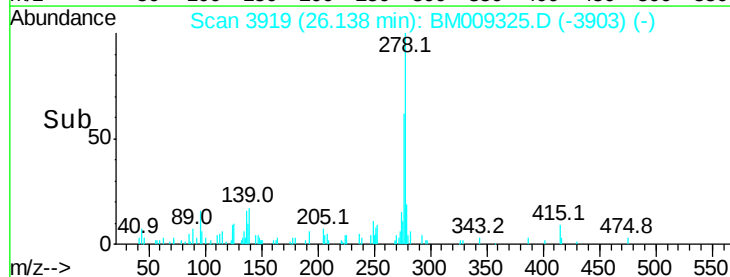
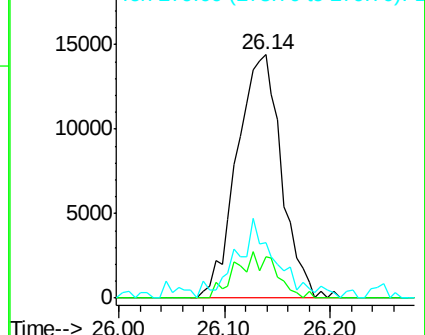
279 22.9 19.0 28.4

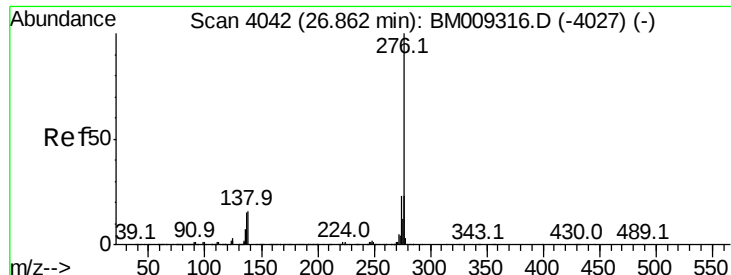


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 0.97 ng

RT: 26.84 min Scan# 4039

Delta R.T. -0.02 min

Lab File: BM009325.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

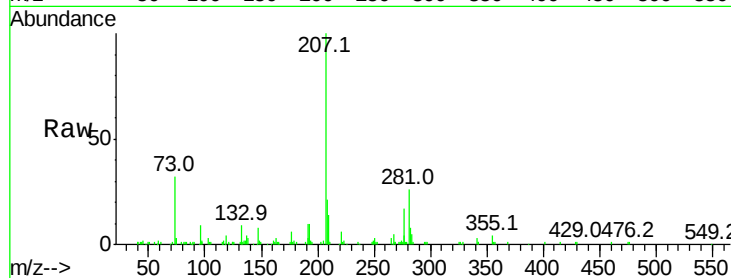
Tot Ion:276 Resp: 40981

Ion Ratio Lower Upper

276 100

277 25.4 18.5 27.7

138 20.8 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

