

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 04:09:56 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						
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						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
6) Aniline	7.19	93	90958	4.96	ng	# 89
8) 2-Chlorophenol	7.42	128	52607	5.25	ng	# 80
9) Benzaldehyde	7.01	77	61047	5.75	ng	# 77
10) Phenol	7.05	94	75807	5.19	ng	# 93
11) bis(2-Chloroethyl)ether	7.29	93	64678	5.40	ng	# 89
12) 1,3-Dichlorobenzene	7.75	146	64684	5.39	ng	# 90
13) 1,4-Dichlorobenzene	7.89	146	64337	5.19	ng	# 86
14) 1,2-Dichlorobenzene	8.21	146	65990	5.48	ng	# 86
15) Benzyl Alcohol	8.10	79	59572	5.05	ng	# 81
16) 2,2'-oxybis(1-Chloropropan	8.39	45	107152	5.15	ng	# 97
17) 2-Methylphenol	8.29	107	46035	4.82	ng	# 82
18) Hexachloroethane	8.93	117	25881	5.10	ng	# 87
19) n-Nitroso-di-n-propylamine	8.66	70	51414	4.73	ng	# 93
20) 3+4-Methylphenols	8.62	107	63831	4.91	ng	# 94
22) Acetophenone	8.68	105	87137	5.23	ng	# 94
24) Nitrobenzene	9.07	77	83824	5.43	ng	# 89
25) Isophorone	9.58	82	120946	5.03	ng	# 87
26) 2-Nitrophenol	9.77	139	23341	5.01	ng	# 60
27) 2,4-Dimethylphenol	9.82	122	42636	5.01	ng	# 86
28) bis(2-Chloroethoxy)methane	10.07	93	74974	5.04	ng	# 97
29) 2,4-Dichlorophenol	10.30	162	44575	5.01	ng	# 95
30) 1,2,4-Trichlorobenzene	10.52	180	57033	5.16	ng	# 95
31) Naphthalene	10.71	128	164801	5.26	ng	# 99
32) Benzoic acid	9.95	122	1240	0.21	ng	# 21
33) 4-Chloroaniline	10.82	127	63910	5.28	ng	# 76
34) Hexachlorobutadiene	10.98	225	40914	5.41	ng	# 94
35) Caprolactam	11.60	113	10663	3.92	ng	# 69
36) 4-Chloro-3-methylphenol	11.93	107	46085	4.58	ng	# 83
37) 2-Methylnaphthalene	12.32	142	106802	4.94	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	12.69	216	64557	5.18	ng	# 100
40) Hexachlorocyclopentadiene	12.66	237	31465	4.40	ng	# 84

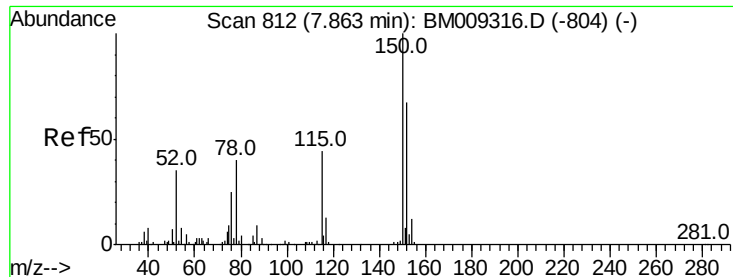
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.92	196	30138	4.23	nq	97
43) 2,4,5-Trichlorophenol	13.00	196	37942	4.77	nq	# 82
45) 1,1'-Biphenyl	13.33	154	152103	5.53	nq	94
46) 2-Chloronaphthalene	13.37	162	114528	5.36	nq	# 93
47) 2-Nitroaniline	13.59	65	36240	4.61	nq	# 71
48) Acenaphthylene	14.22	152	169406	4.87	nq	99
49) Dimethylphthalate	13.96	163	125381	4.94	nq	# 98
50) 2,6-Dinitrotoluene	14.08	165	24939	4.56	nq	# 49
51) Acenaphthene	14.56	154	106369	5.07	nq	91
52) 3-Nitroaniline	14.42	138	24219	4.50	nq	# 37
53) 2,4-Dinitrophenol	14.62	184	11059	8.26	nq	97
54) Dibenzofuran	14.90	168	161436	5.20	nq	95
55) 4-Nitrophenol	14.71	139	16363	3.68	nq	# 42
56) 2,4-Dinitrotoluene	14.87	165	30848	4.17	nq	# 91
57) Fluorene	15.55	166	138858	4.98	nq	93
58) 2,3,4,6-Tetrachlorophenol	15.12	232	33007	4.91	nq	# 100
59) Diethylphthalate	15.32	149	123901	4.82	nq	98
60) 4-Chlorophenyl-phenylether	15.54	204	72198	4.96	nq	98
61) 4-Nitroaniline	15.58	138	23430	4.01	nq	# 38
62) Azobenzene	15.83	77	141351	4.71	nq	83
64) 4,6-Dinitro-2-methylphenol	15.63	198	16563	3.51	nq	94
65) n-Nitrosodiphenylamine	15.76	169	108538	4.78	nq	99
66) 4-Bromophenyl-phenylether	16.44	248	45050	5.20	nq	# 90
67) Hexachlorobenzene	16.55	284	47430	4.99	nq	# 90
68) Atrazine	16.70	200	38255	4.48	nq	98
69) Pentachlorophenol	16.90	266	22428	3.86	nq	90
70) Phenanthrene	17.29	178	218607	5.11	nq	99
71) Anthracene	17.38	178	205358	4.74	nq	98
72) Carbazole	17.66	167	202373	4.88	nq	99
73) Di-n-butylphthalate	18.20	149	182879	4.32	nq	# 98
74) Fluoranthene	19.30	202	242830	4.79	nq	93
76) Benzidine	19.49	184	108038	3.91	nq	99
77) Pyrene	19.67	202	258409	4.91	nq	97
79) Butylbenzylphthalate	20.56	149	78147	4.12	nq	# 67
80) Benzo(a)anthracene	21.41	228	270693	4.99	nq	96
81) 3,3'-Dichlorobenzidine	21.34	252	98544	4.85	nq	95
82) Chrysene	21.46	228	270486	5.23	nq	98
83) Bis(2-ethylhexyl)phthalate	21.32	149	114771	4.06	nq	96
84) Di-n-octyl phthalate	22.22	149	203783	4.33	nq	# 84
85) Indeno(1,2,3-cd)pyrene	26.12	276	291257	5.16	nq	# 100
87) Benzo(b)fluoranthene	23.04	252	275034	5.02	nq	# 96
88) Benzo(k)fluoranthene	23.09	252	264831	5.03	nq	98
89) Benzo(a)pyrene	23.64	252	253114	4.99	nq	98
90) Dibenzo(a,h)anthracene	26.13	278	255546	5.14	nq	# 92
91) Benzo(g,h,i)perylene	26.84	276	249324	5.15	nq	# 88

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

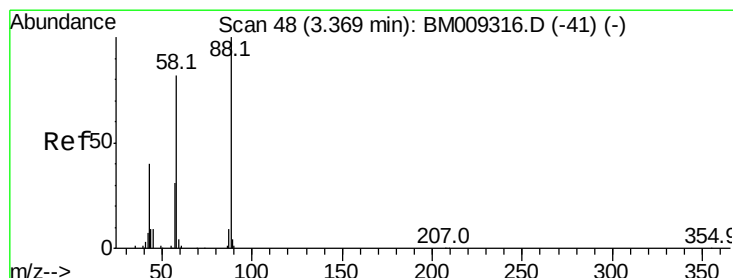
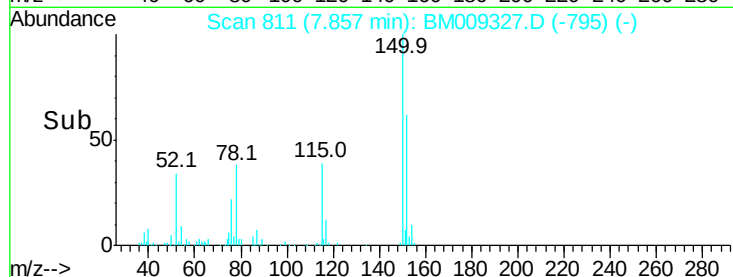
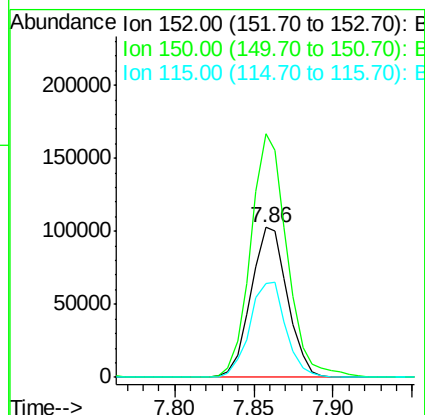
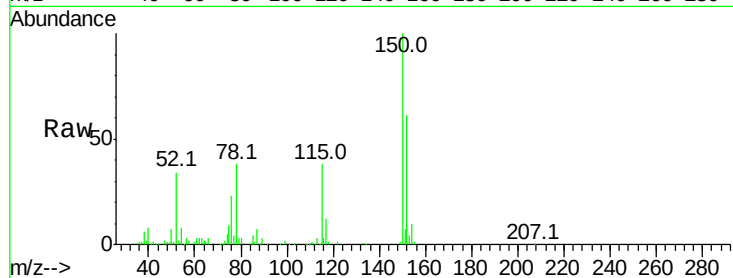


#1

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

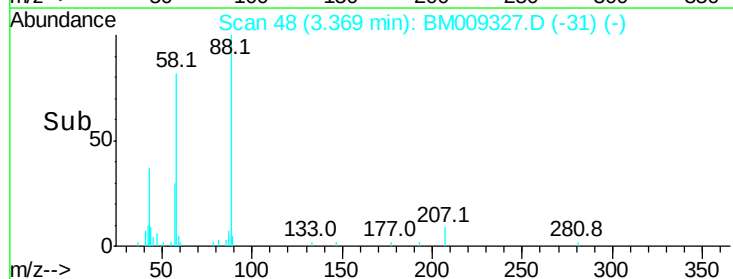
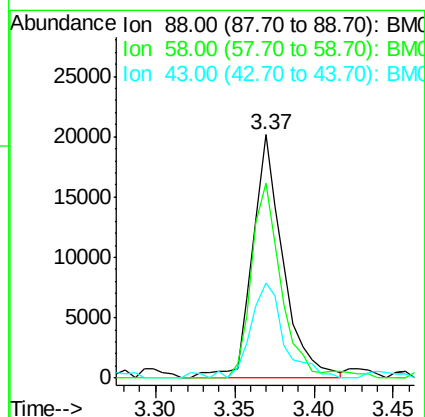
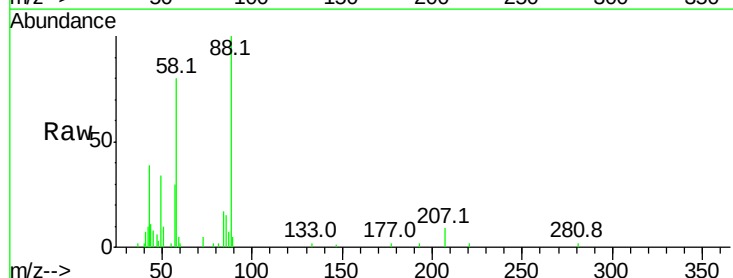
Tot Ion:152 Resp: 164825
Ion Ratio Lower Upper
152 100
150 162.7 119.5 179.3
115 62.5 43.0 64.4

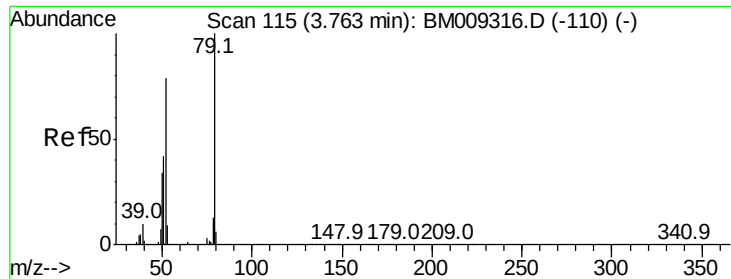


#2

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#





#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

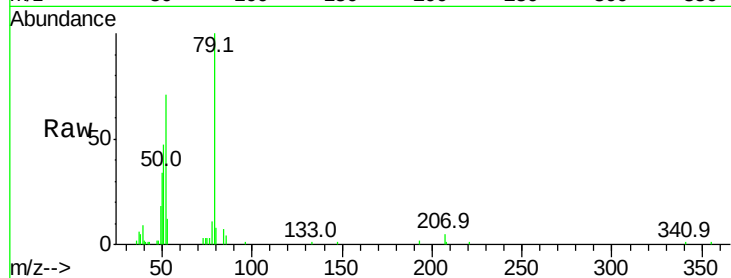
Tot Ion: 79 Resp: 68972

Ion Ratio Lower Upper

79 100

52 70.6 51.1 76.7

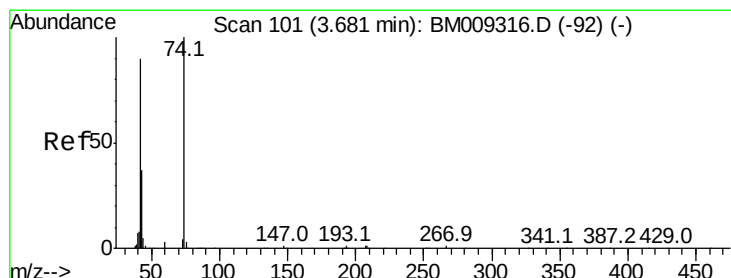
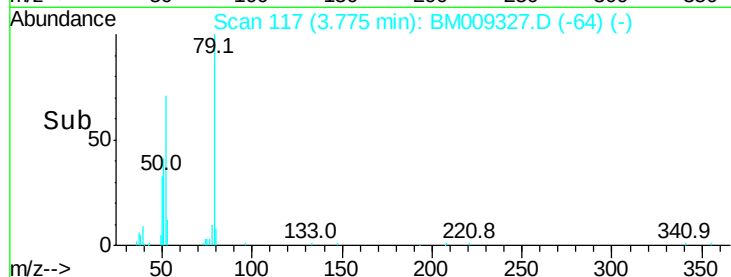
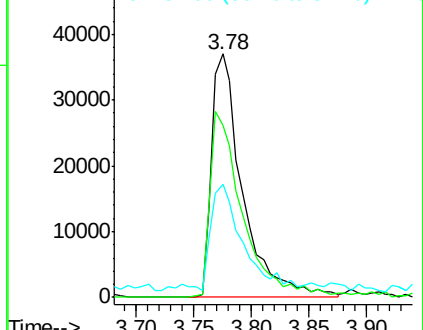
51 46.7 26.1 39.1#



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

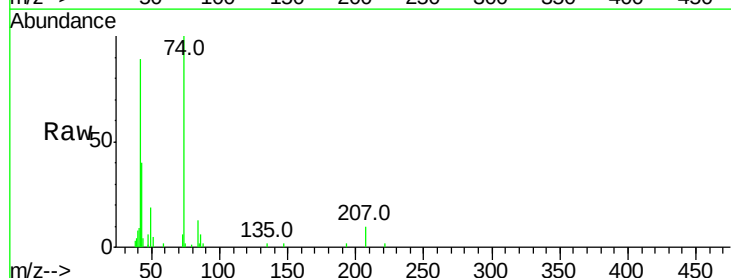
Tgt Ion: 42 Resp: 35903

Ion Ratio Lower Upper

42 100

74 111.8 119.3 178.9#

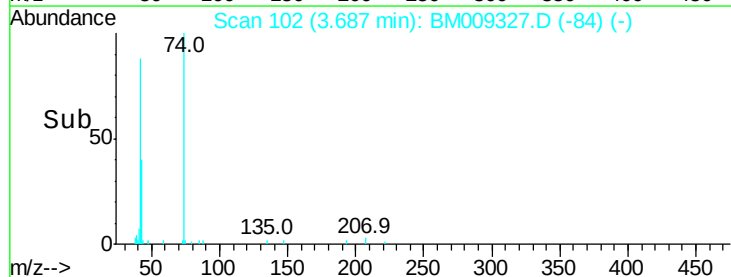
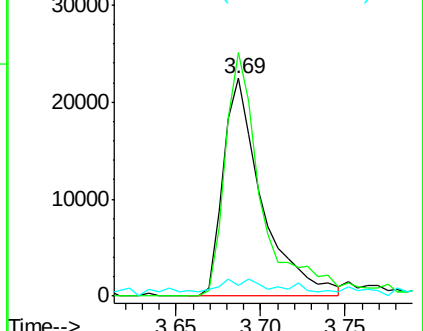
44 4.8 5.4 8.2#

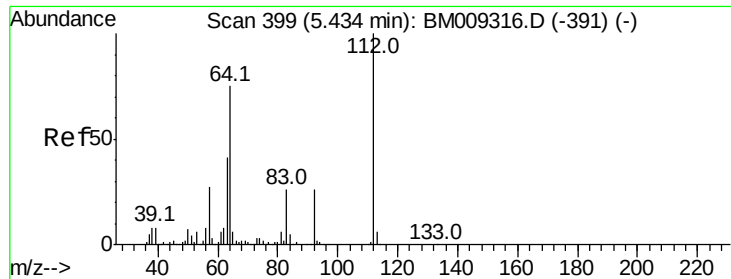


Abundance Ion 42.00 (41.70 to 42.70): BM009327.D (-84) (-)

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

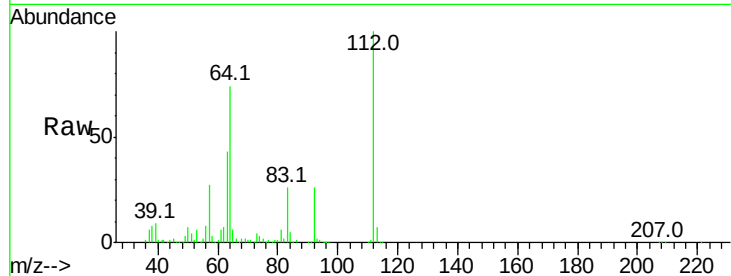
Tot Ion:112 Resp: 1413473

Ion Ratio Lower Upper

112 100

64 73.6 38.6 57.8#

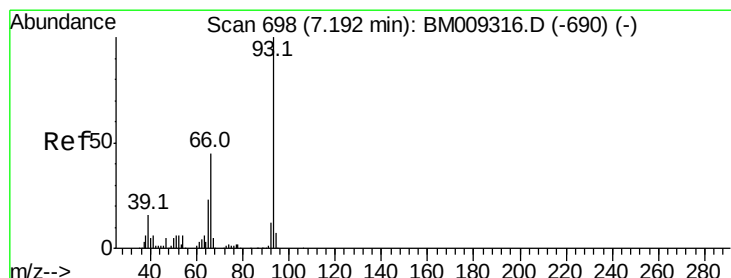
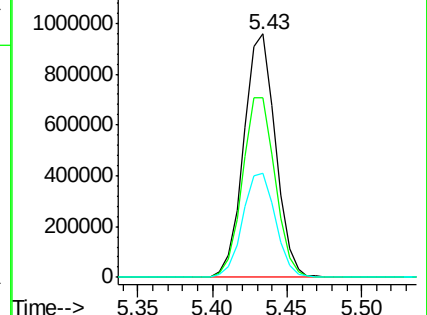
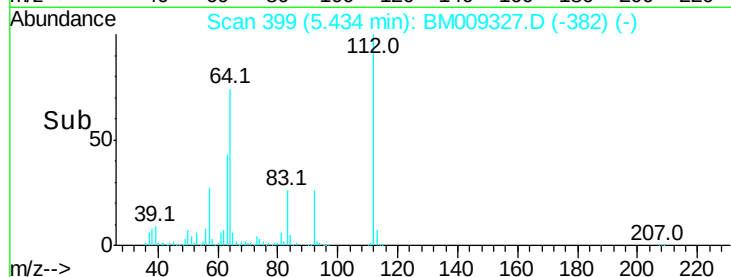
63 42.8 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 4.96 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

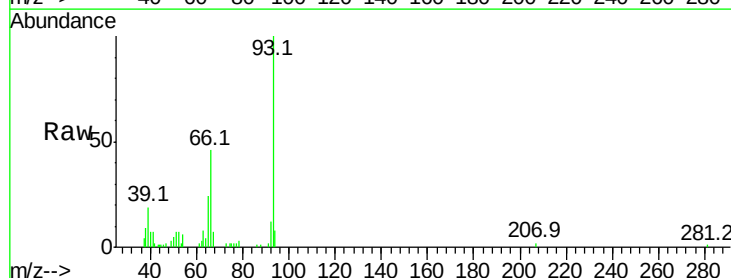
Tgt Ion: 93 Resp: 90958

Ion Ratio Lower Upper

93 100

66 45.7 30.8 46.2

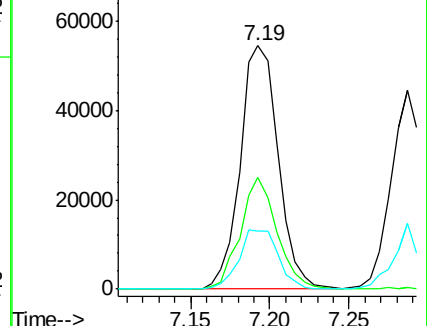
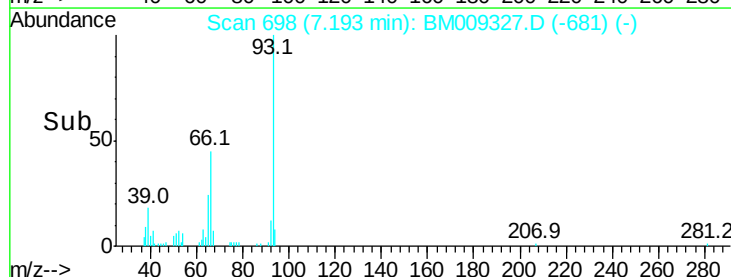
65 24.0 16.0 24.0

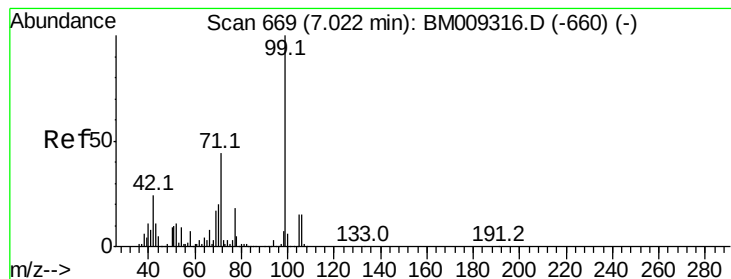


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#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

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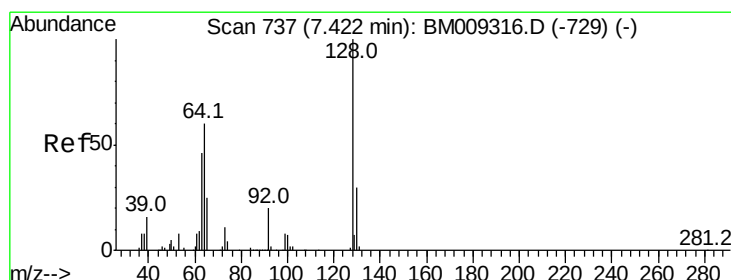
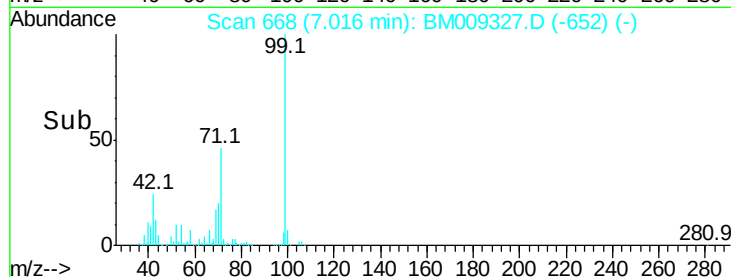
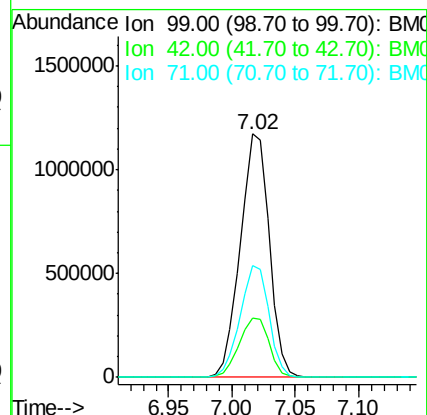
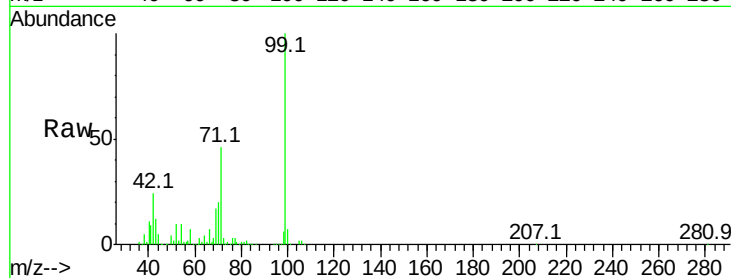
Tot Ion: 99 Resp: 1853810

Ion Ratio Lower Upper

99 100

42 24.4 11.0 16.4#

71 45.8 23.4 35.2#



#8

2-Chlorophenol

Concen: 5.25 ng

RT: 7.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

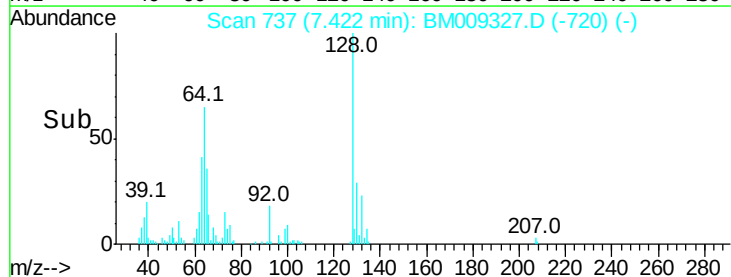
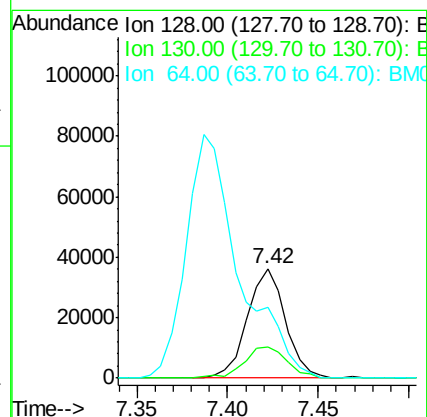
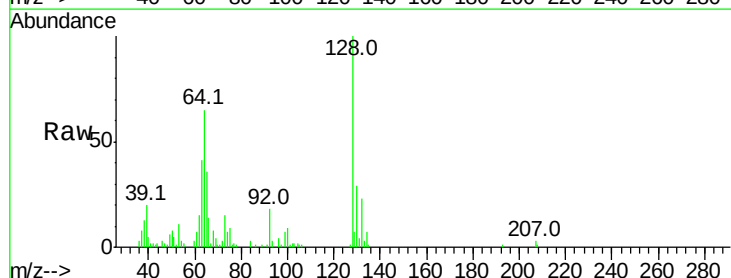
Tgt Ion:128 Resp: 52607

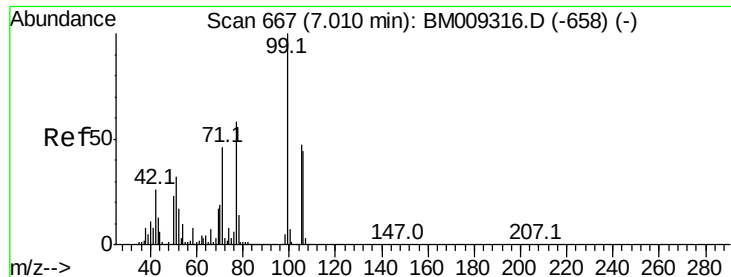
Ion Ratio Lower Upper

128 100

130 28.5 12.0 52.0

64 64.5 24.9 64.9





#9

Benzaldehyde

Concen: 5.75 ng

RT: 7.01 min Scan# 667

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

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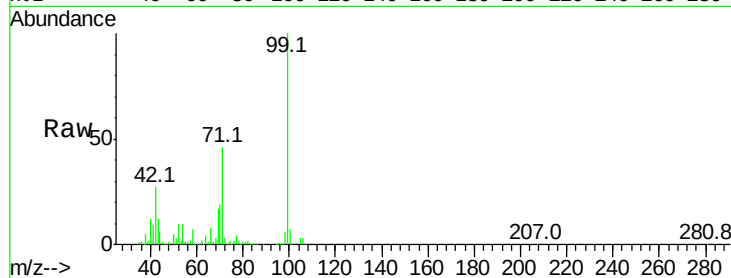
Tot Ion: 77 Resp: 61047

Ion Ratio Lower Upper

77 100

105 77.8 78.8 118.8#

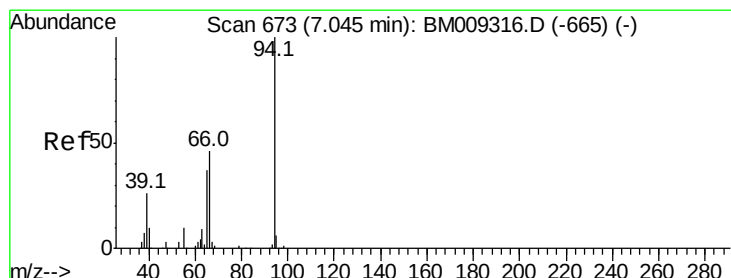
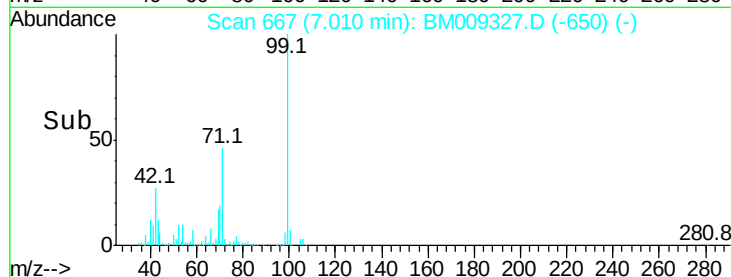
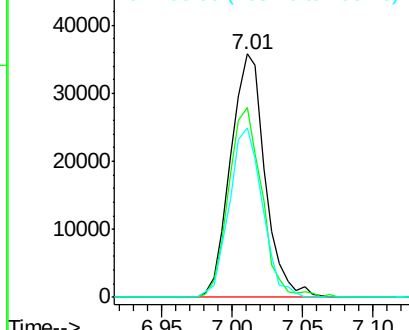
106 69.5 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM009327.D (-650) (-)

Ion 105.00 (104.70 to 105.70): BM009327.D (-650) (-)

Ion 106.00 (105.70 to 106.70): BM009327.D (-650) (-)



#10

Phenol

Concen: 5.19 ng

RT: 7.05 min Scan# 673

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

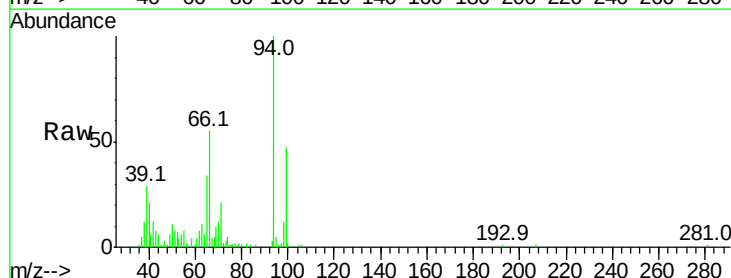
Tgt Ion: 94 Resp: 75807

Ion Ratio Lower Upper

94 100

65 34.1 18.8 58.8

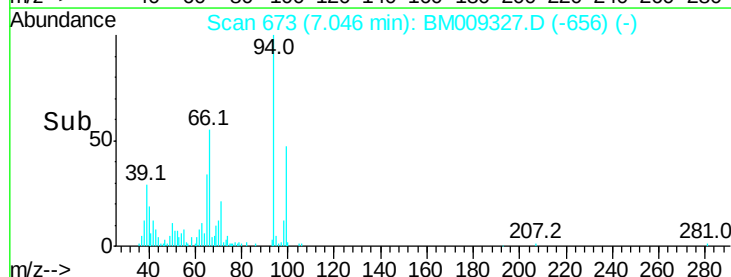
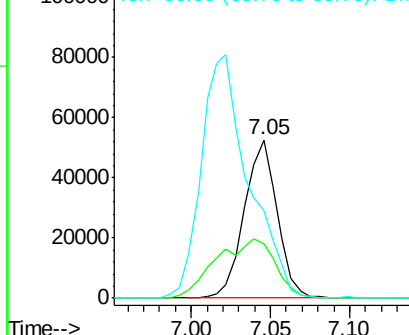
66 55.1 39.9 79.9

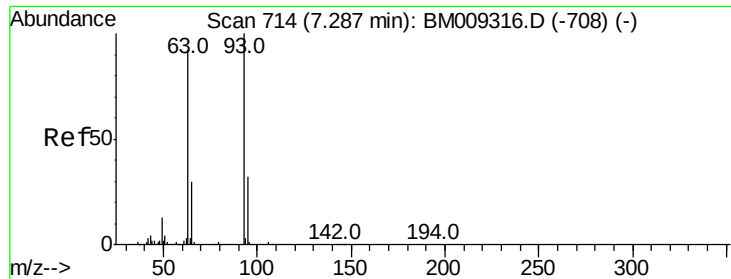


Abundance Ion 94.00 (93.70 to 94.70): BM009327.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BM009327.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BM009327.D (-656) (-)

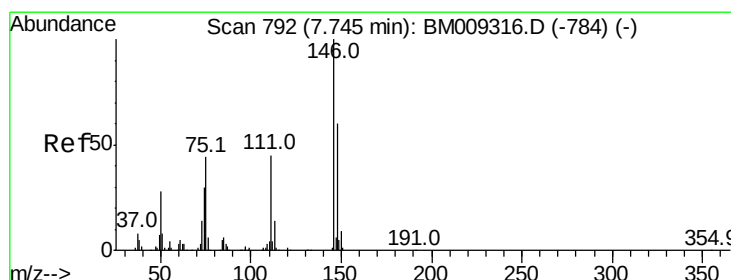
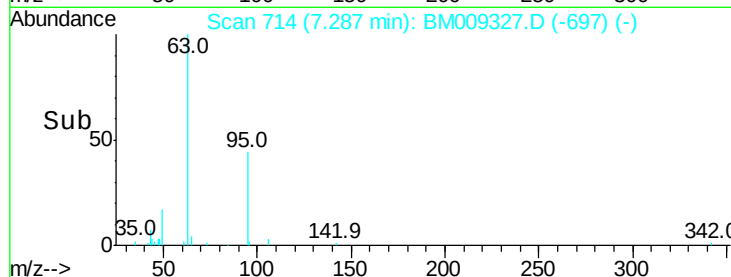
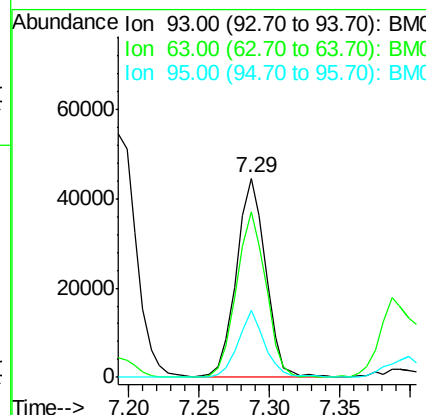
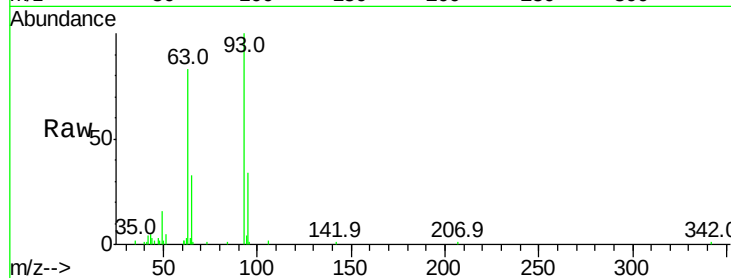




#11
 bis(2-Chloroethyl)ether
 Concen: 5.40 ng
 RT: 7.29 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

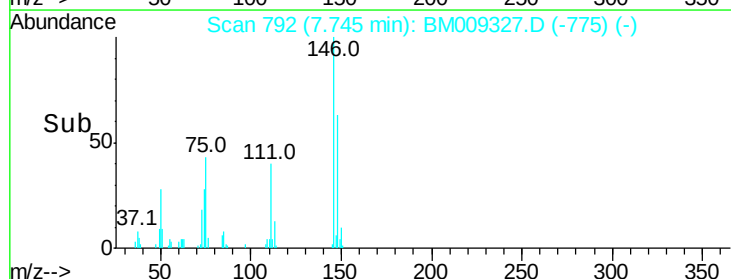
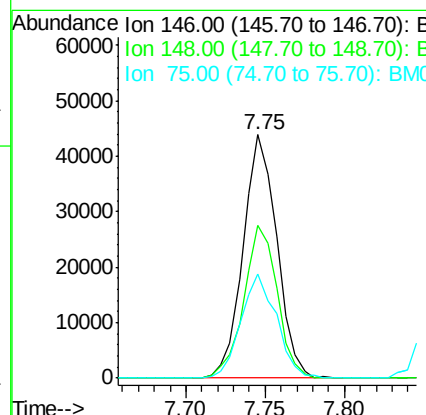
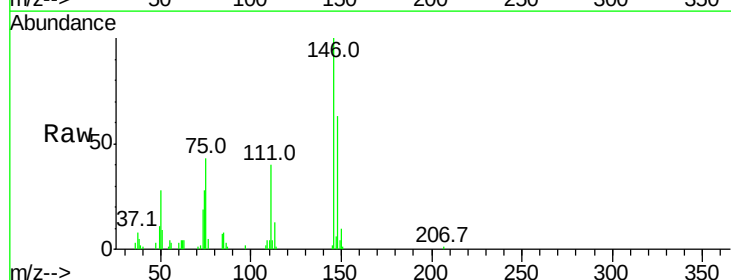
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

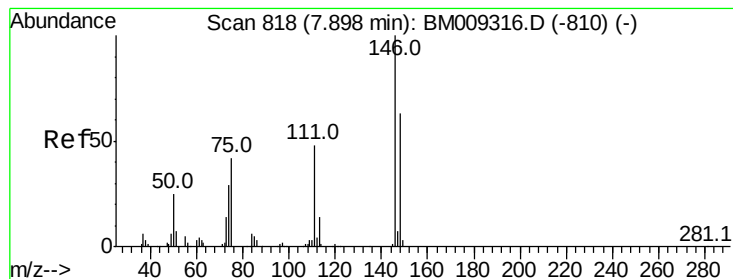
Tot Ion	93	Resp	64678
Ion Ratio	Lower	Upper	
93	100		
63	83.1	49.5	89.5
95	33.7	13.5	53.5



#12
 1,3-Dichlorobenzene
 Concen: 5.39 ng
 RT: 7.75 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion	146	Resp	64684
Ion Ratio	Lower	Upper	
146	100		
148	62.6	50.9	76.3
75	42.6	21.4	32.2





#13

1,4-Dichlorobenzene

Concen: 5.19 ng

RT: 7.89 min Scan# 817

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

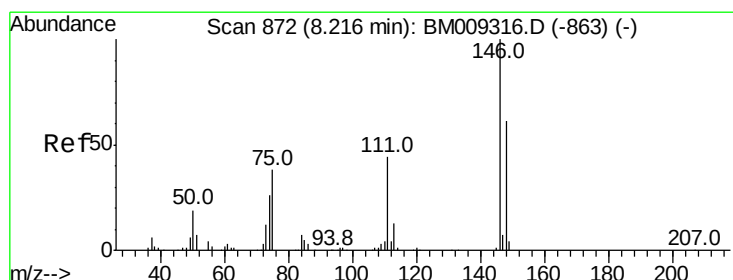
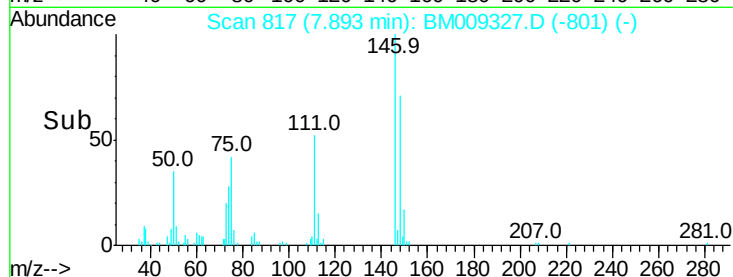
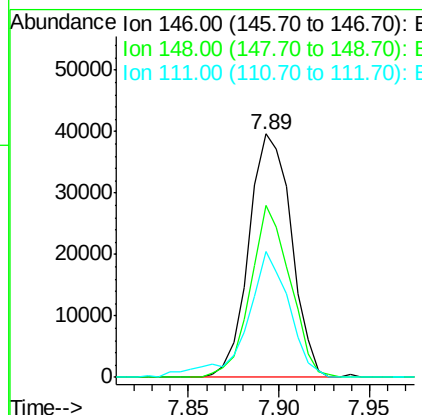
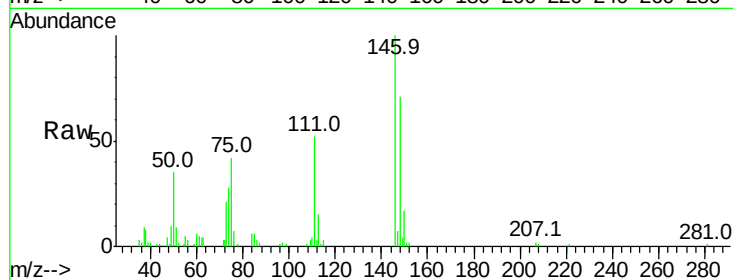
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:146	Resp:	64337
Ion Ratio	Lower	Upper
146	100	
148	70.8	51.9 77.9
111	51.9	29.2 43.8#



#14

1,2-Dichlorobenzene

Concen: 5.48 ng

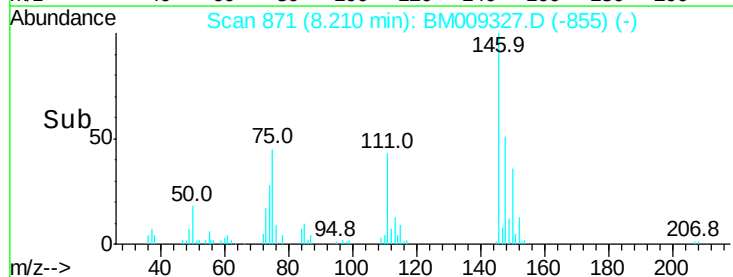
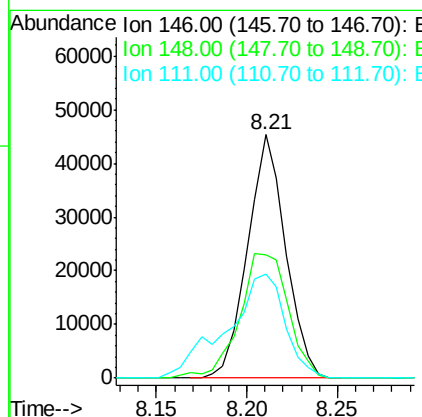
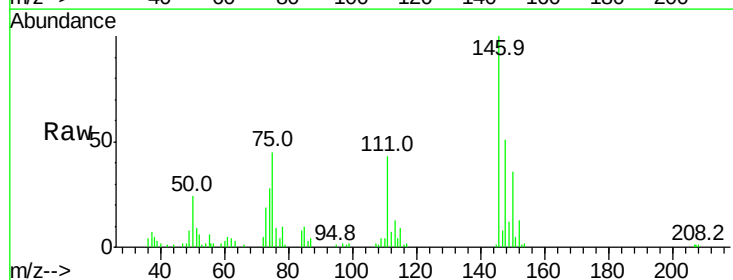
RT: 8.21 min Scan# 871

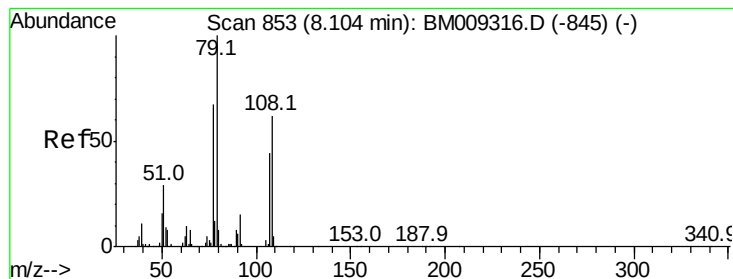
Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Tgt Ion:146	Resp:	65990
Ion Ratio	Lower	Upper
146	100	
148	50.6	52.3 78.5#
111	42.5	30.6 45.8





#15

Benzyl Alcohol

Concen: 5.05 ng

RT: 8.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

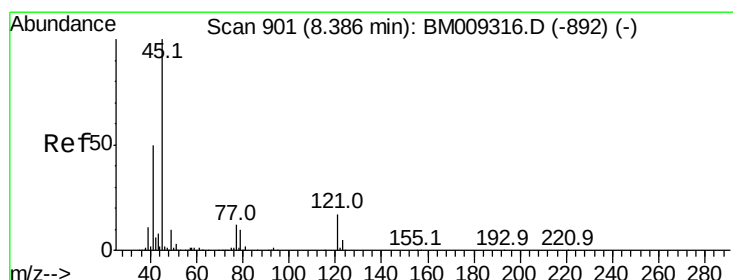
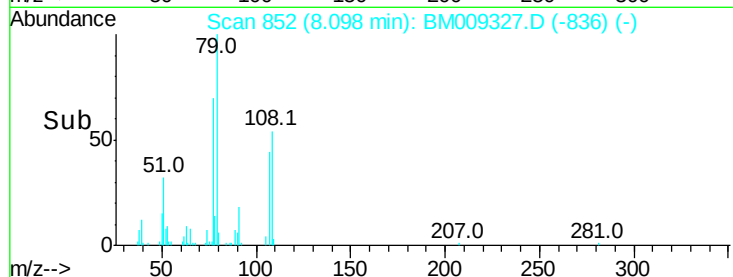
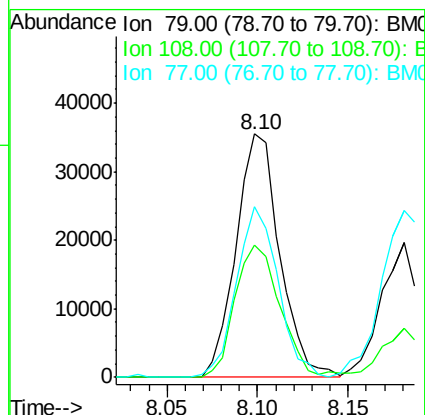
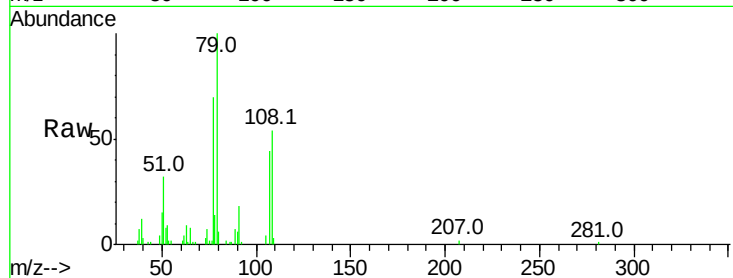
Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:	79	Resp:	59572
Ion	Ratio	Lower	Upper
79	100		
108	54.1	65.0	97.4#
77	70.0	53.0	79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.15 ng

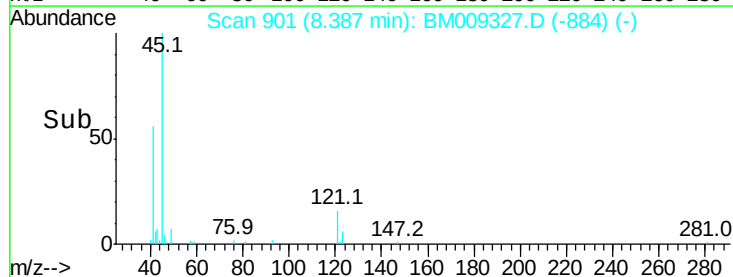
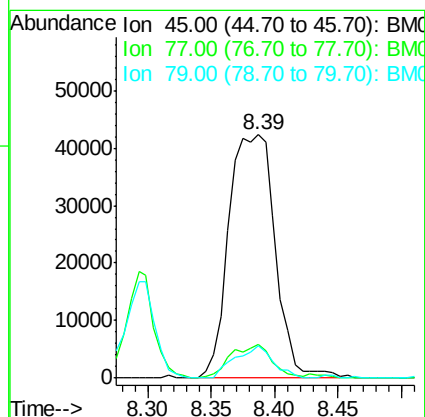
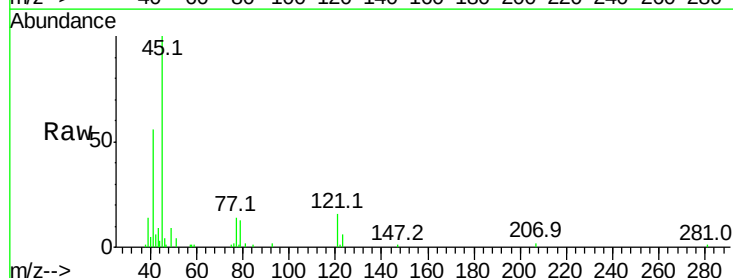
RT: 8.39 min Scan# 901

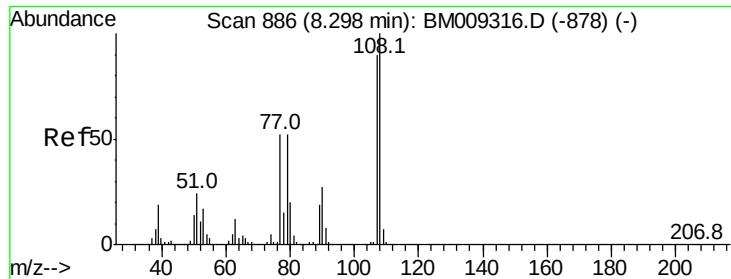
Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Tgt Ion:	45	Resp:	107152
Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	35.2
79	13.1	0.0	32.0

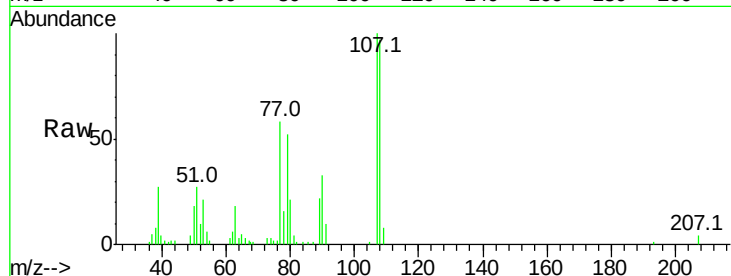




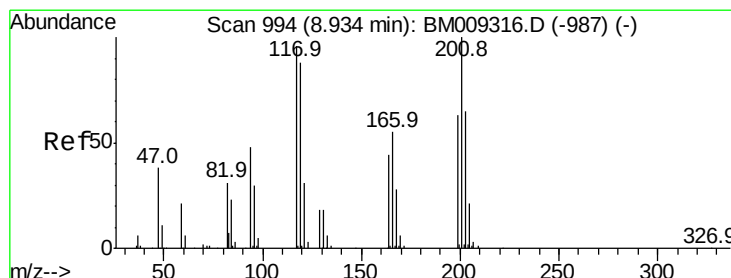
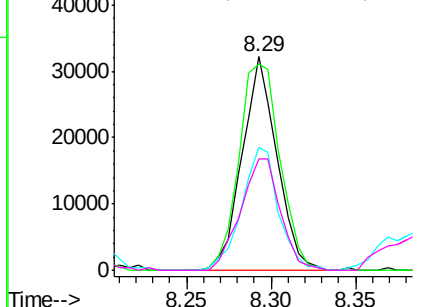
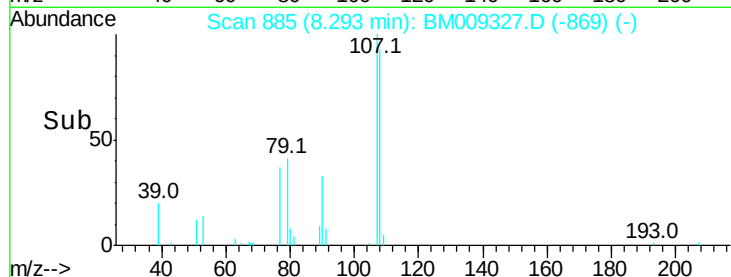
#17
2-Methylphenol
Concen: 4.82 ng
RT: 8.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

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

Tot Ion:	107	Resp:	46035
Ion	Ratio	Lower	Upper
107	100		
108	96.6	89.8	134.8
77	57.6	32.6	48.8#
79	52.0	32.8	49.2#

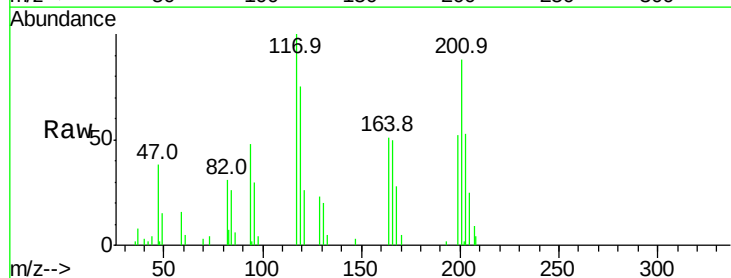


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM
Ion 79.00 (78.70 to 79.70): BM

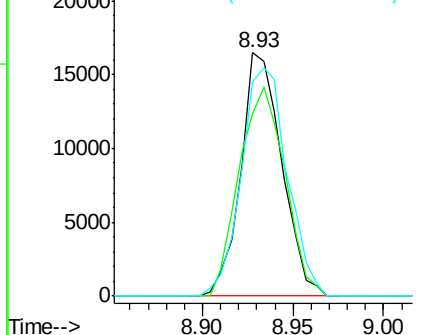
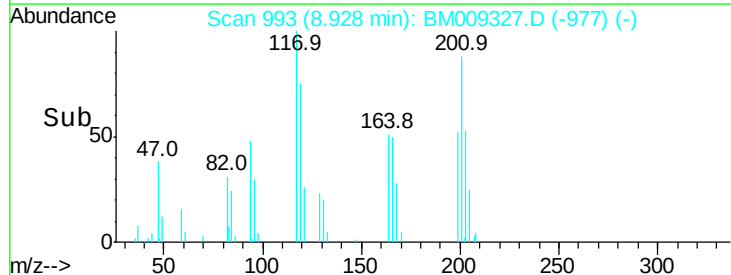


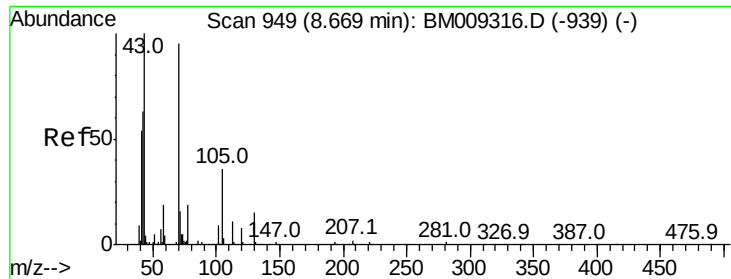
#18
Hexachloroethane
Concen: 5.10 ng
RT: 8.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion:	117	Resp:	25881
Ion	Ratio	Lower	Upper
117	100		
119	75.0	79.2	118.8#
201	87.9	69.8	104.6



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

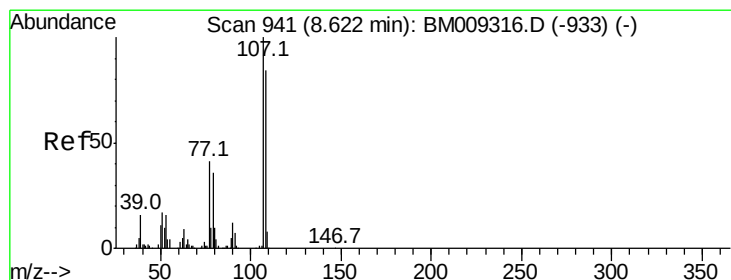
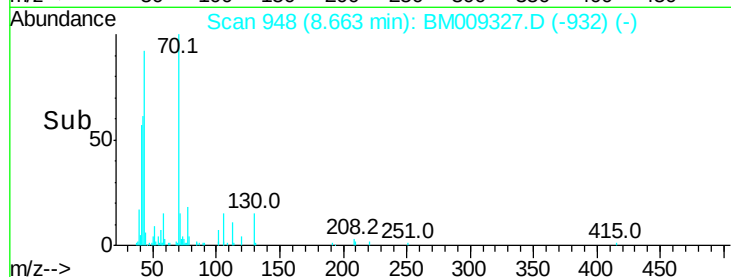
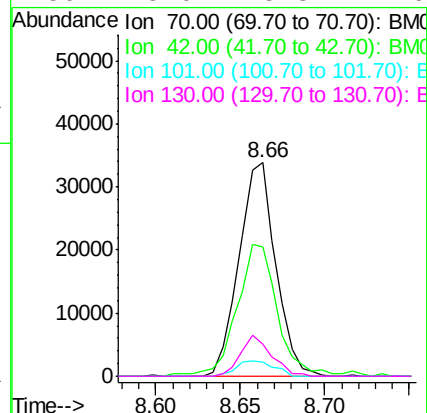
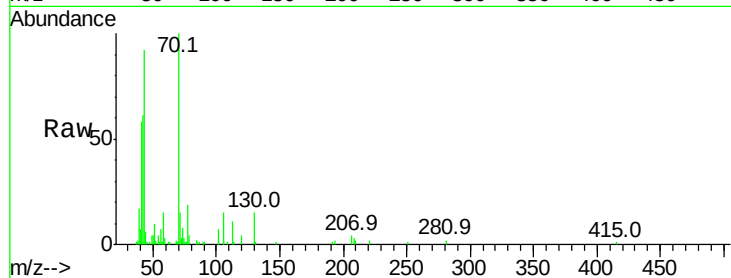




#19
n-Nitroso-di-n-propylamine
Concen: 4.73 ng
RT: 8.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

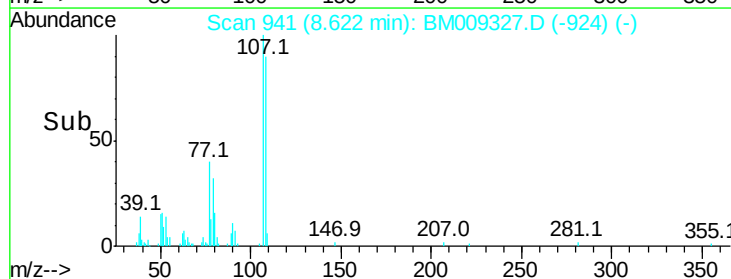
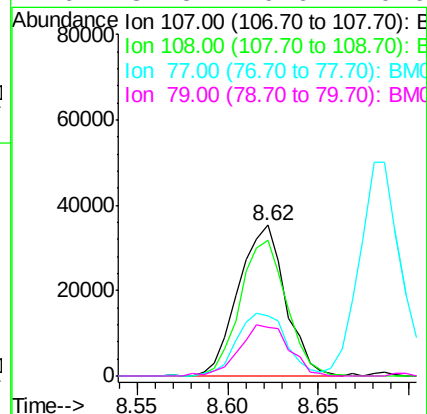
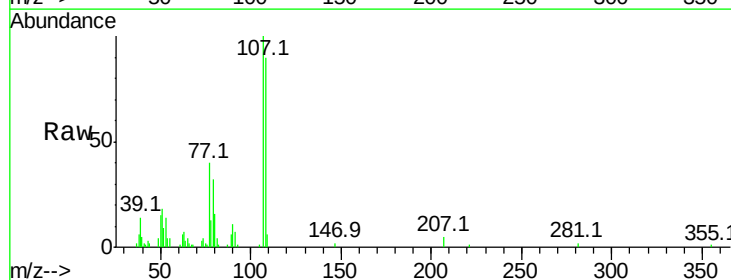
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

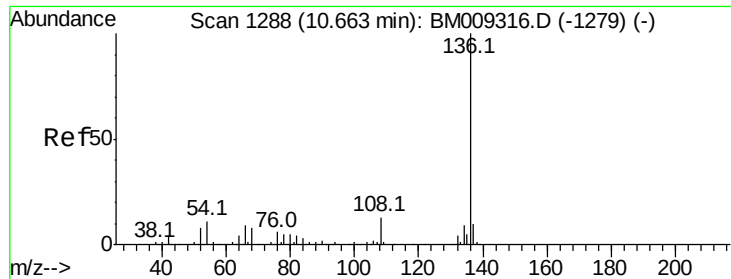
Tot Ion:	70	Resp:	51414
Ion	Ratio	Lower	Upper
70	100		
42	60.7	44.5	66.7
101	6.8	7.4	11.2#
130	15.0	15.3	22.9#



#20
3+4-Methylphenols
Concen: 4.91 ng
RT: 8.62 min Scan# 941
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion:	107	Resp:	63831
Ion	Ratio	Lower	Upper
107	100		
108	90.5	73.2	113.2
77	40.1	10.7	50.7
79	32.3	9.6	49.6

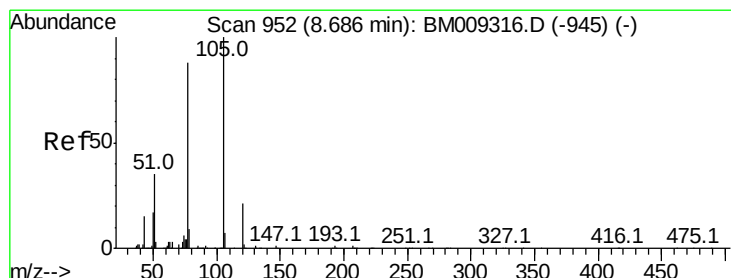
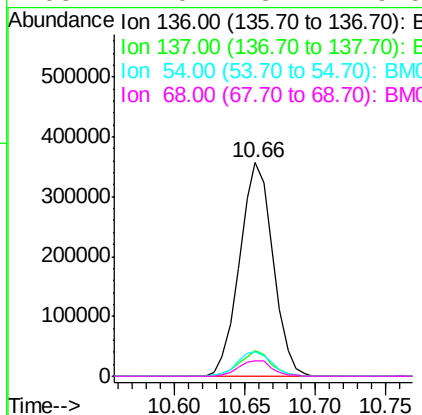
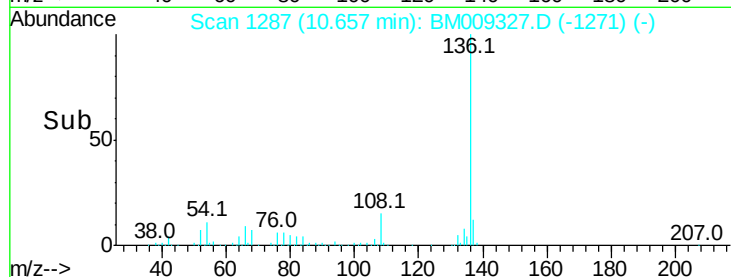
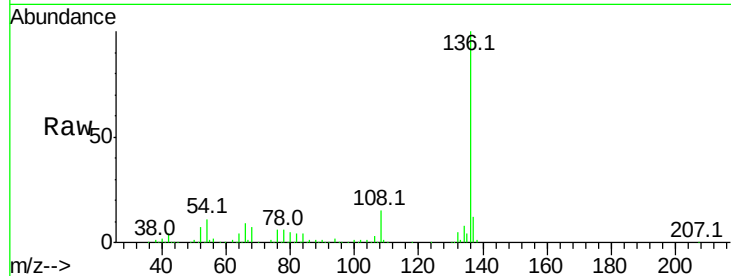




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

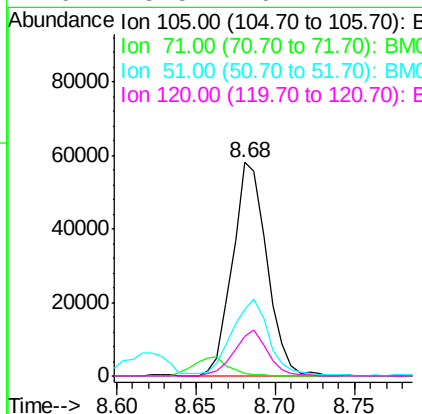
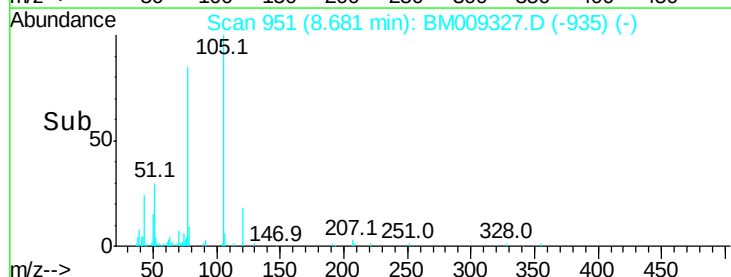
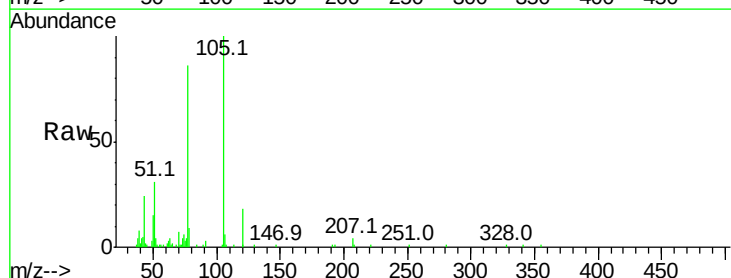
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

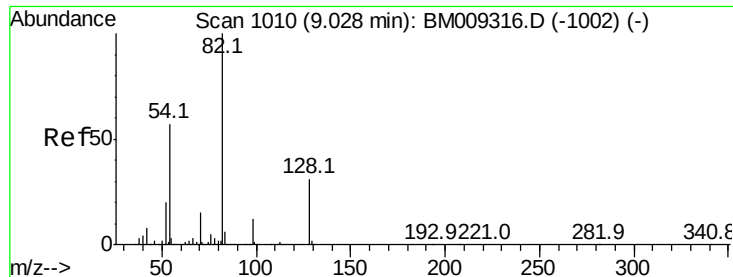
Tot Ion:136	Resp:	590642
Ion Ratio	Lower	Upper
136	100	
137	11.9	8.7 13.1
54	11.3	4.6 6.8#
68	7.0	3.7 5.5#



#22
Acetophenone
Concen: 5.23 ng
RT: 8.68 min Scan# 951
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion:105	Resp:	87137
Ion Ratio	Lower	Upper
105	100	
71	1.4	0.6 1.0#
51	31.0	21.6 32.4
120	18.5	16.1 24.1

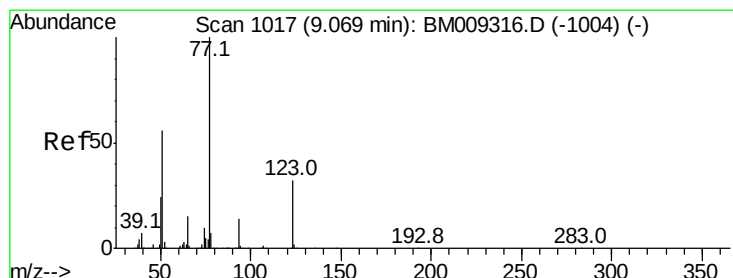
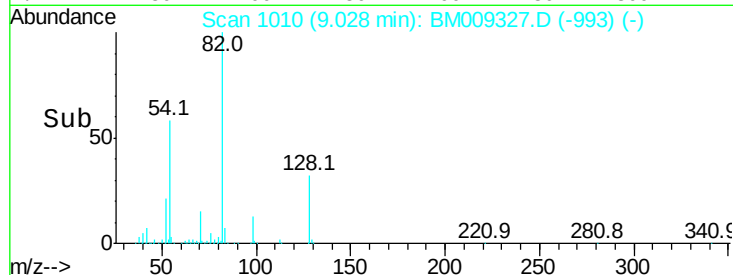
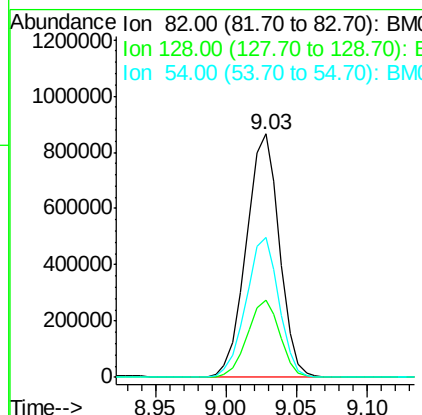
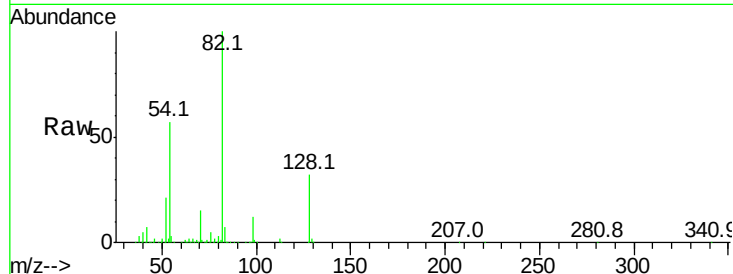




#23
 Nitrobenzene-d5
 Concen: 90.16 ng
 RT: 9.03 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

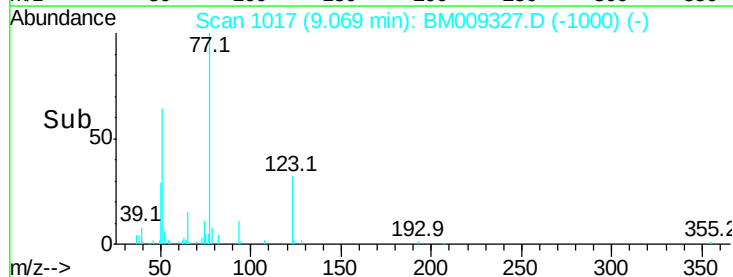
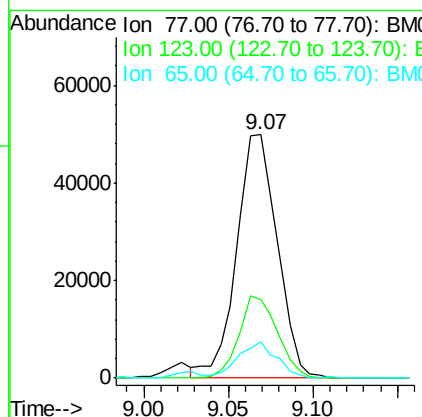
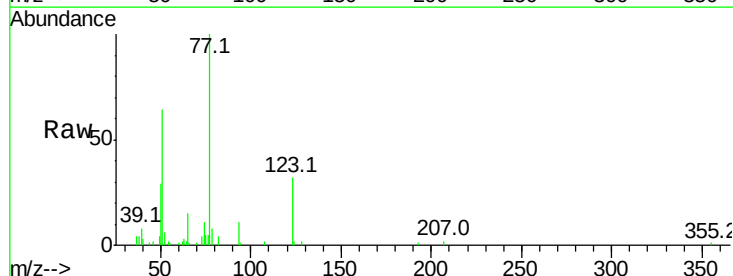
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

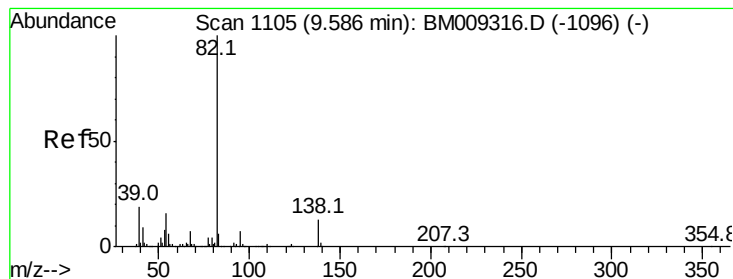
Tot Ion: 82 Resp: 1420332
 Ion Ratio Lower Upper
 82 100
 128 31.5 32.8 49.2#
 54 57.4 40.6 60.8



#24
 Nitrobenzene
 Concen: 5.43 ng
 RT: 9.07 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion: 77 Resp: 83824
 Ion Ratio Lower Upper
 77 100
 123 32.5 32.6 49.0#
 65 14.7 10.9 16.3





#25

Isophorone

Concen: 5.03 ng

RT: 9.58 min Scan# 1104

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

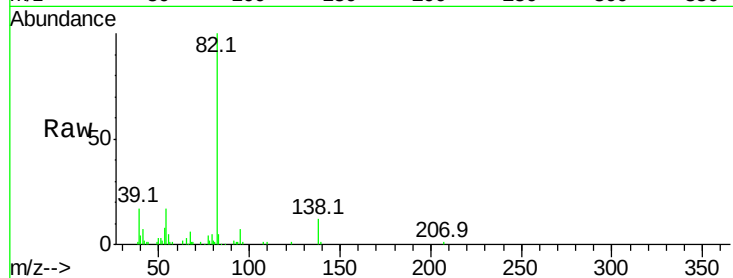
Tot Ion: 82 Resp: 120946

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.6

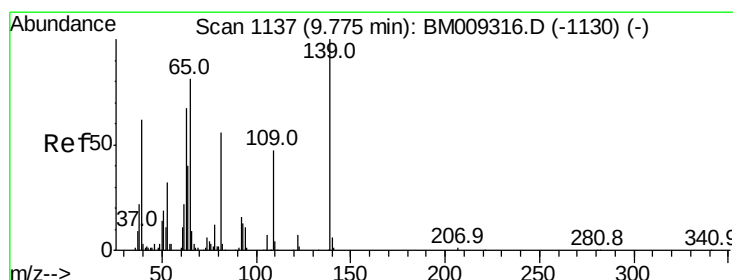
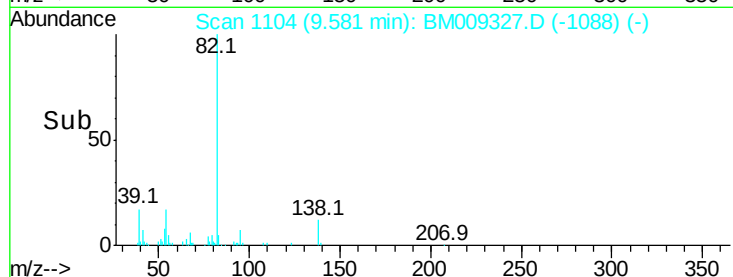
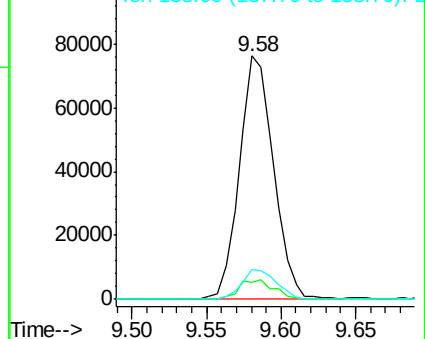
138 12.3 16.3 24.5#



Abundance Ion 82.00 (81.70 to 82.70): BM009327.D (-1088) (-)

Ion 95.00 (94.70 to 95.70): BM009327.D (-1088) (-)

Ion 138.00 (137.70 to 138.70): BM009327.D (-1088) (-)



#26

2-Nitrophenol

Concen: 5.01 ng

RT: 9.77 min Scan# 1137

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

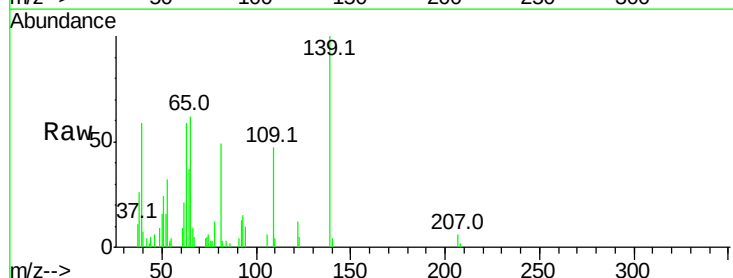
Tgt Ion: 139 Resp: 23341

Ion Ratio Lower Upper

139 100

109 47.2 20.1 30.1#

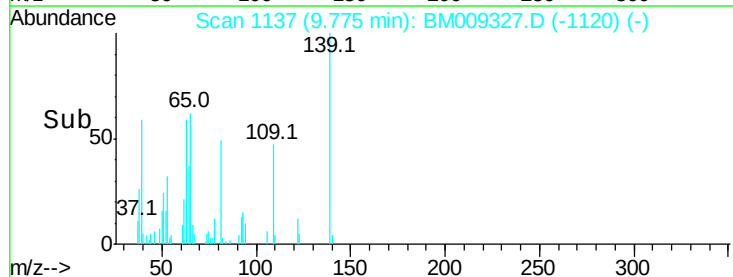
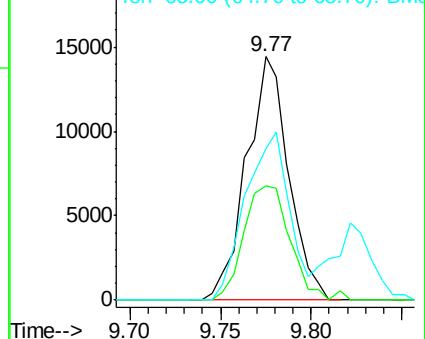
65 62.1 31.5 47.3#

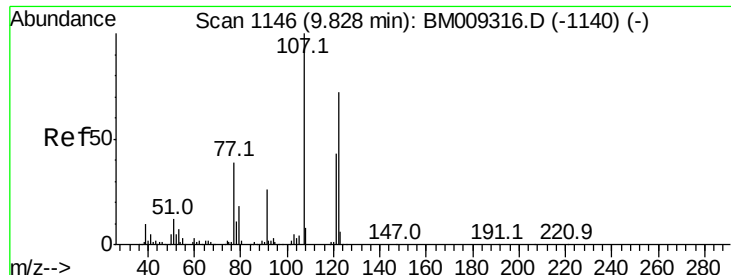


Abundance Ion 139.00 (138.70 to 139.70): BM009327.D (-1120) (-)

Ion 109.00 (108.70 to 109.70): BM009327.D (-1120) (-)

Ion 65.00 (64.70 to 65.70): BM009327.D (-1120) (-)





#27

2,4-Dimethylphenol

Concen: 5.01 ng

RT: 9.82 min Scan# 1145

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

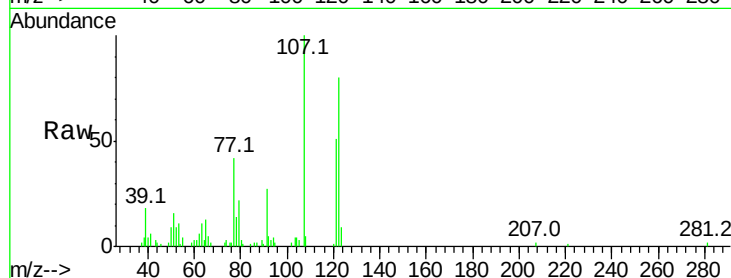
Tot Ion:122 Resp: 42636

Ion Ratio Lower Upper

122 100

107 124.9 84.7 127.1

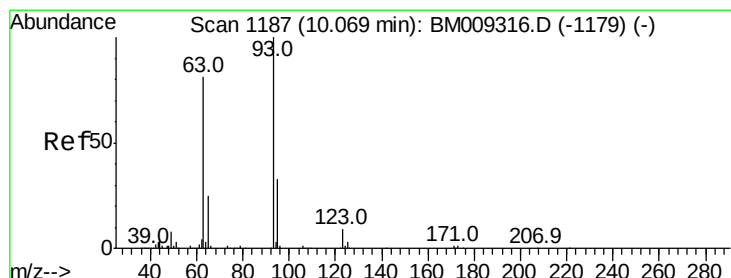
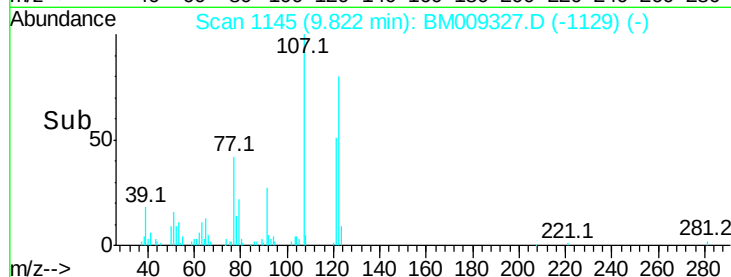
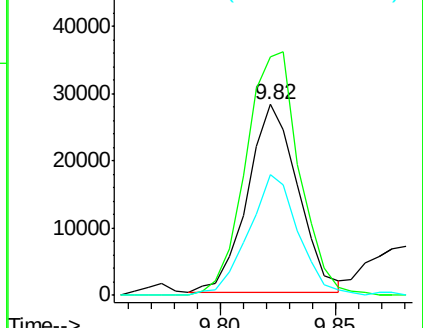
121 63.2 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 5.04 ng

RT: 10.07 min Scan# 1187

Delta R.T. 0.00 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

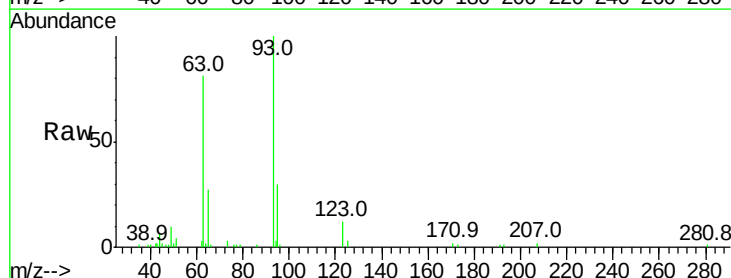
Tgt Ion: 93 Resp: 74974

Ion Ratio Lower Upper

93 100

95 30.1 25.5 38.3

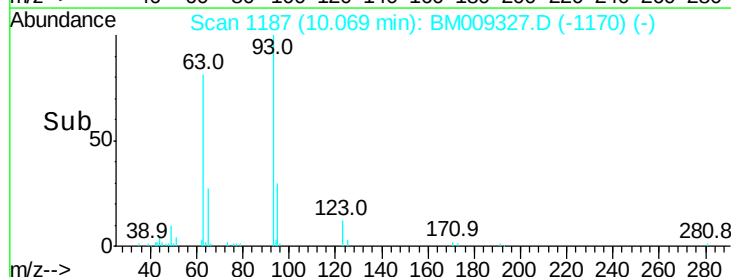
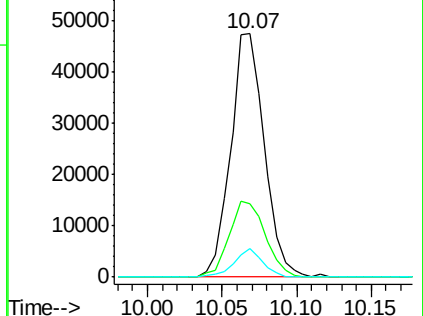
123 11.7 8.6 13.0

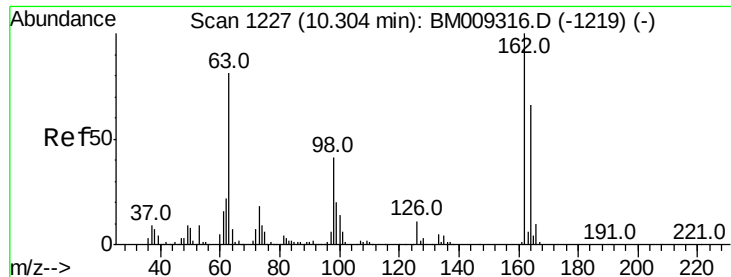


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

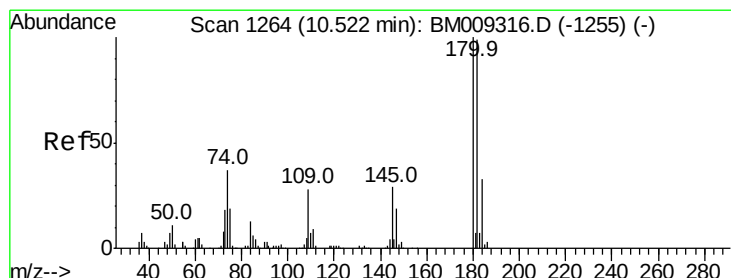
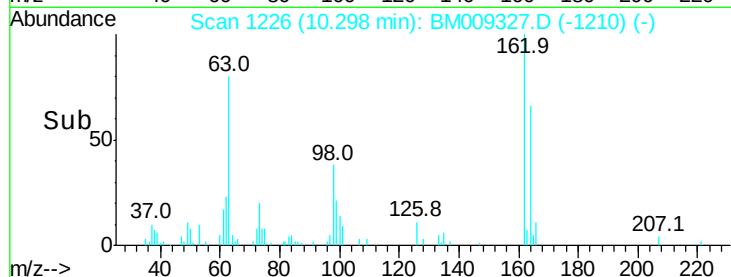
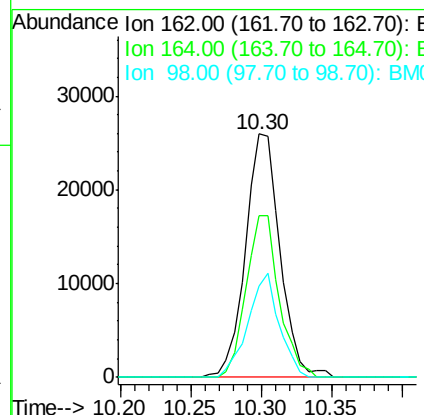
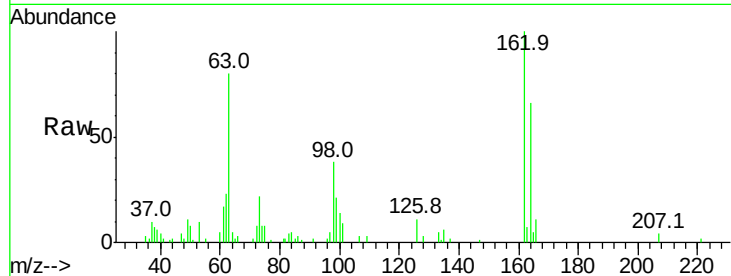




#29
 2,4-Dichlorophenol
 Concen: 5.01 ng
 RT: 10.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

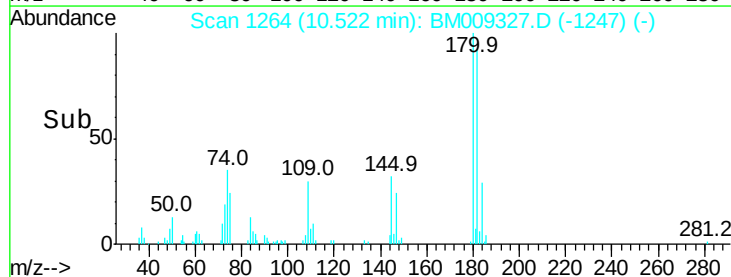
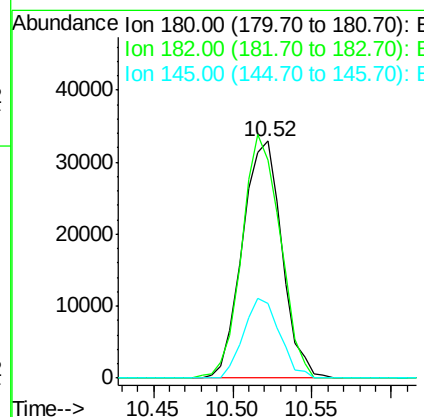
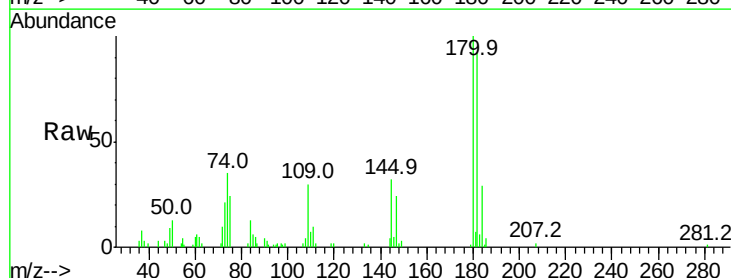
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

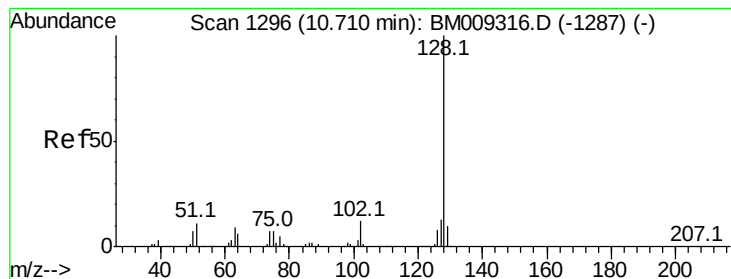
Tot Ion	Ratio	Lower	Upper
162	100		
164	66.2	42.8	82.8
98	37.7	14.5	54.5



#30
 1,2,4-Trichlorobenzene
 Concen: 5.16 ng
 RT: 10.52 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	77.6	116.4
145	31.5	23.4	35.2





#31

Naphthalene

Concen: 5.26 ng

RT: 10.71 min Scan# 1296

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

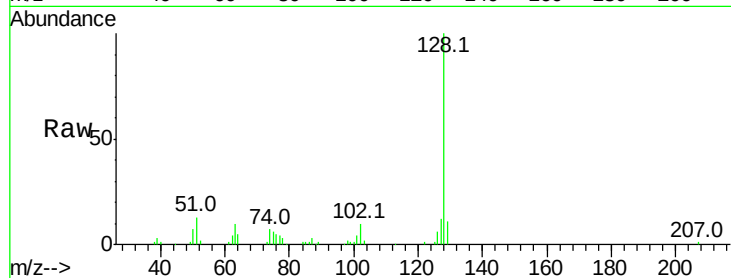
Tot Ion:128 Resp: 164801

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

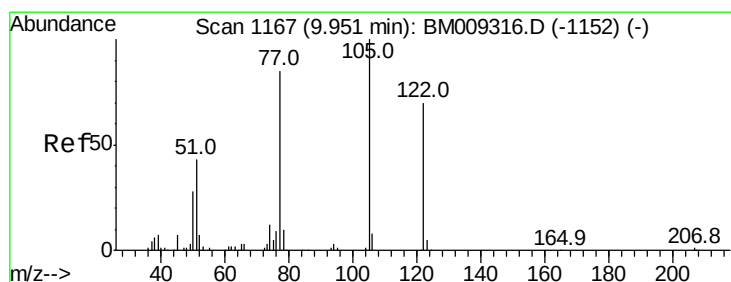
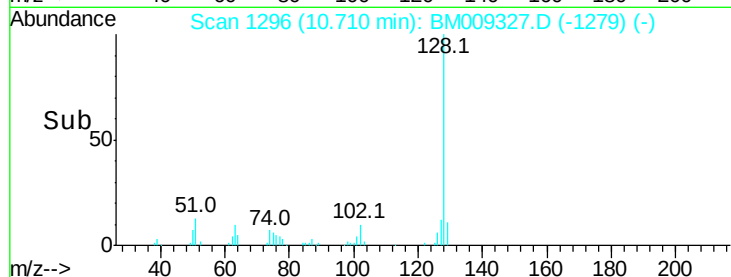
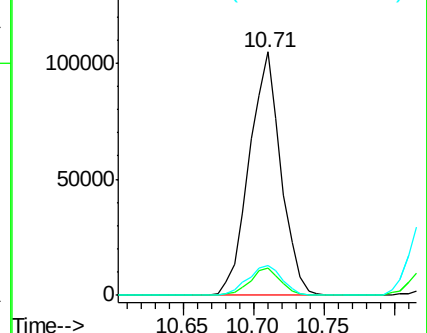
127 12.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.21 ng

RT: 9.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

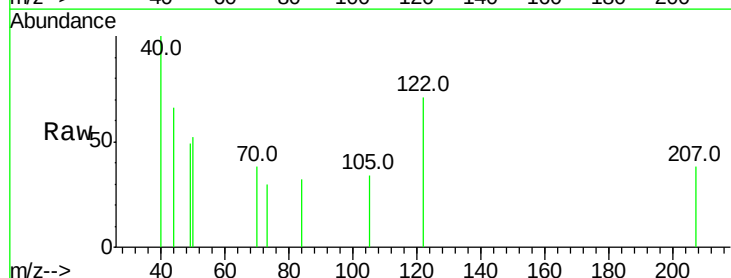
Tgt Ion:122 Resp: 1240

Ion Ratio Lower Upper

122 100

105 48.5 99.9 139.9#

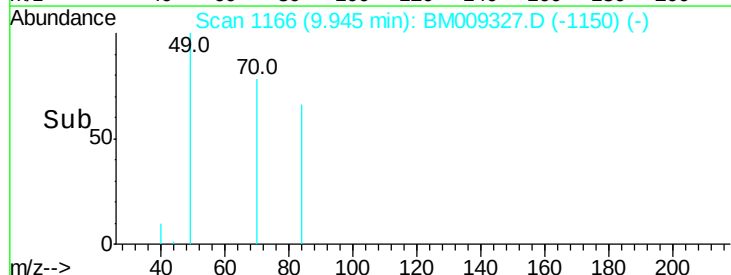
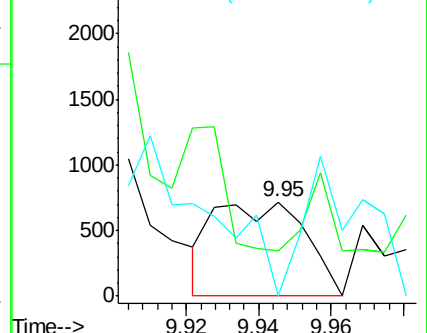
77 0.0 73.7 113.7#

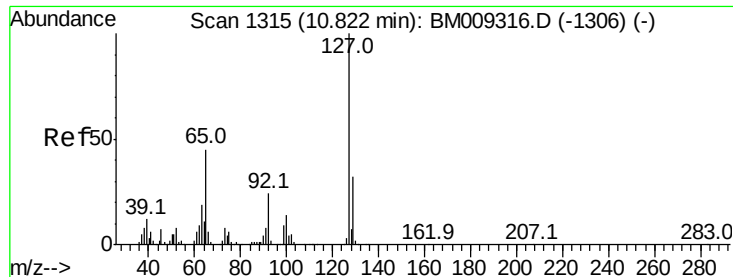


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

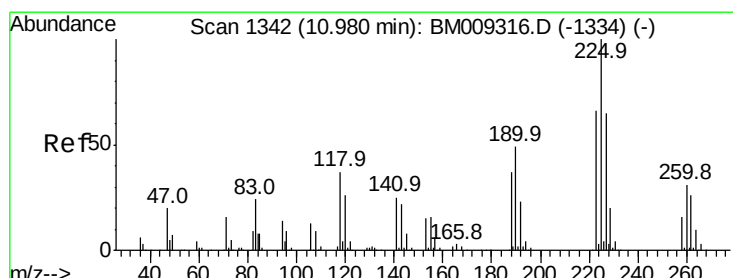
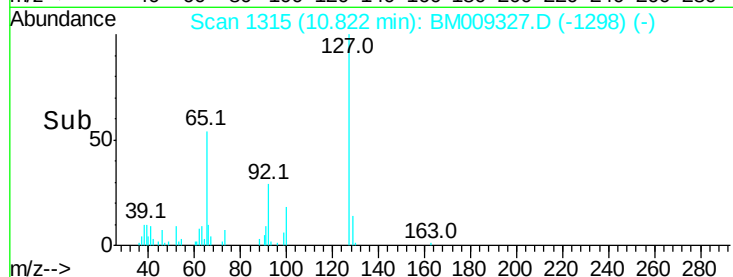
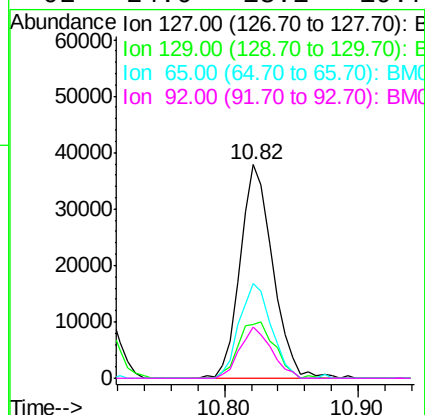
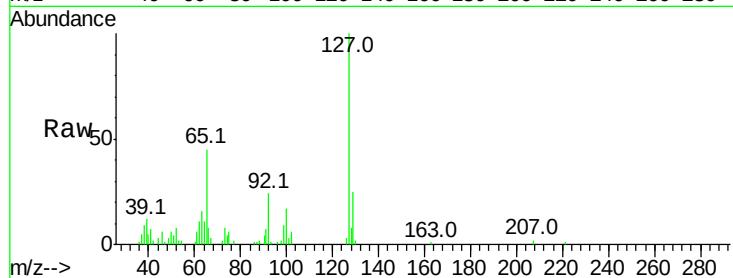




#33
4-Chloroaniline
Concen: 5.28 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

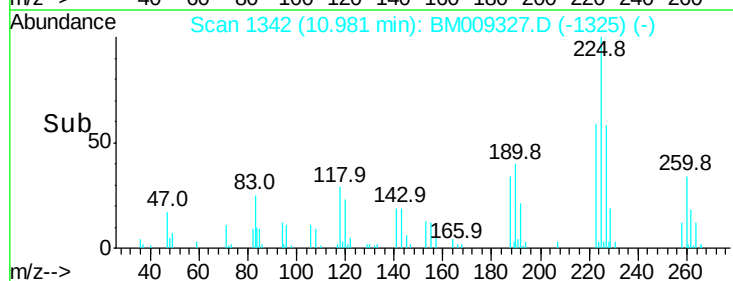
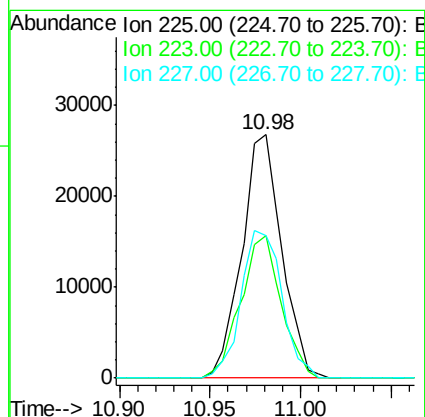
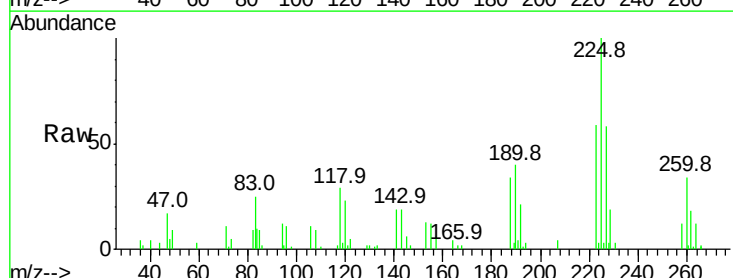
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

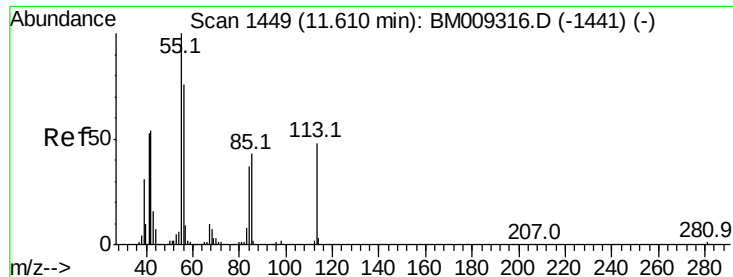
Tot Ion:	127	Resp:	63910
Ion	Ratio	Lower	Upper
127	100		
129	25.4	25.3	37.9
65	44.6	17.6	26.4
92	24.0	13.1	19.7



#34
Hexachlorobutadiene
Concen: 5.41 ng
RT: 10.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion:	225	Resp:	40914
Ion	Ratio	Lower	Upper
225	100		
223	57.0	47.9	71.9
227	56.7	50.1	75.1

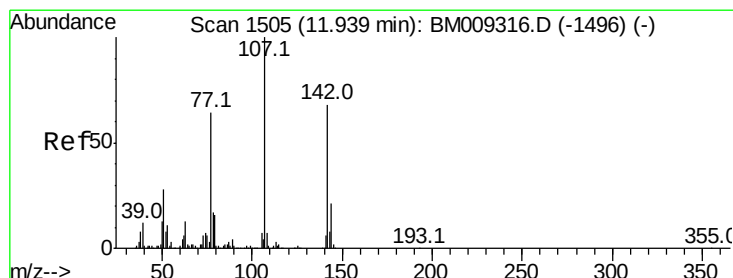
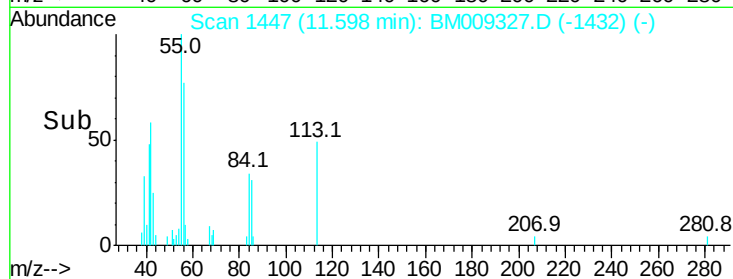
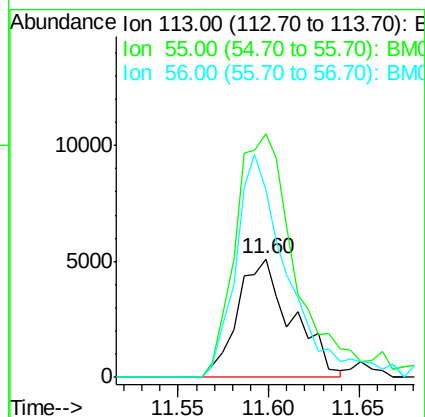
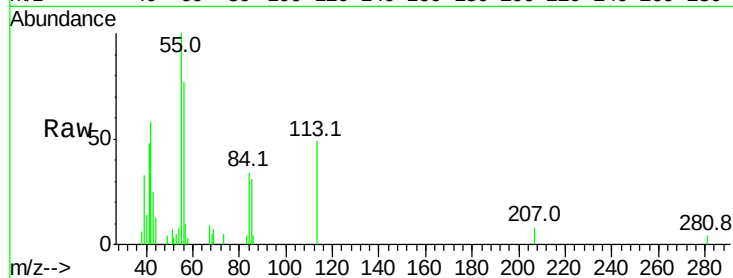




#35
 Caprolactam
 Concen: 3.92 ng
 RT: 11.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

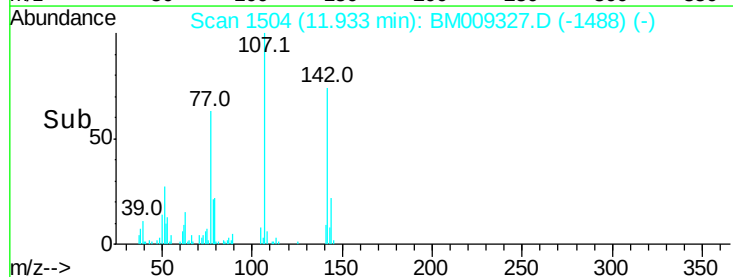
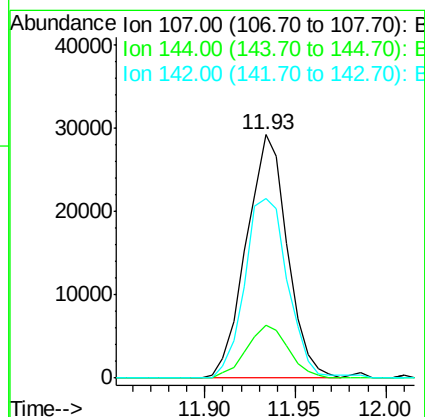
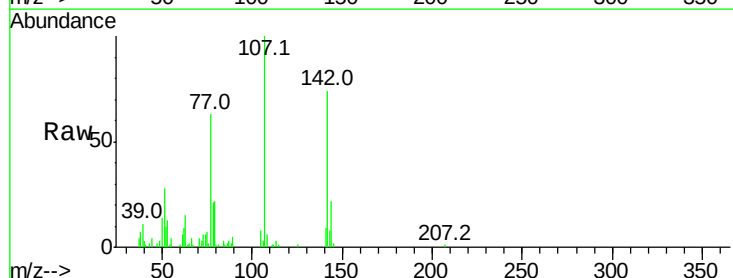
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

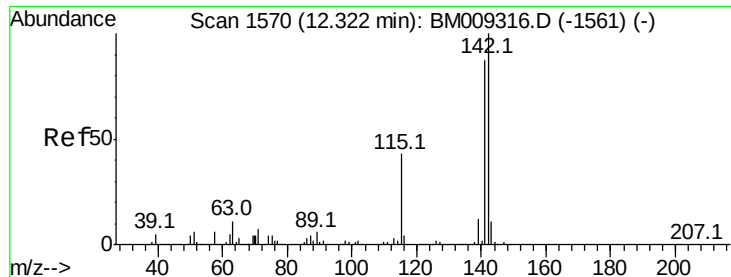
Tot Ion:113 Resp: 10663
 Ion Ratio Lower Upper
 113 100
 55 205.4 145.9 185.9#
 56 158.3 101.0 141.0#



#36
 4-Chloro-3-methylphenol
 Concen: 4.58 ng
 RT: 11.93 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion:107 Resp: 46085
 Ion Ratio Lower Upper
 107 100
 144 21.9 23.3 34.9#
 142 73.5 72.6 109.0





#37

2-Methylnaphthalene

Concen: 4.94 ng

RT: 12.32 min Scan# 1569

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

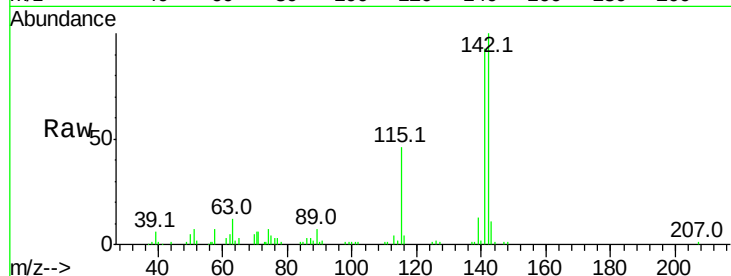
Tot Ion:142 Resp: 106802

Ion Ratio Lower Upper

142 100

141 93.4 71.9 107.9

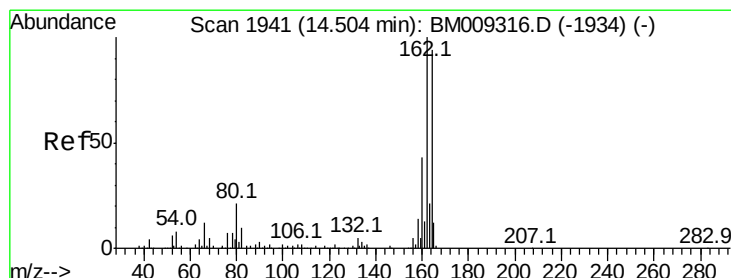
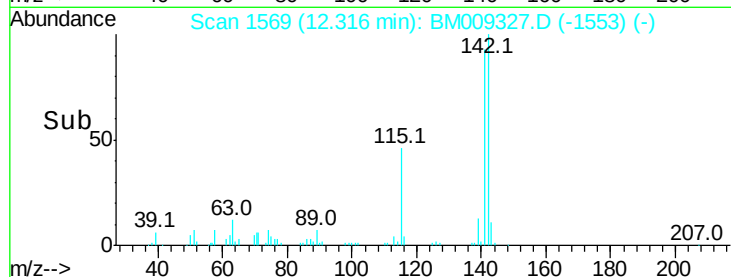
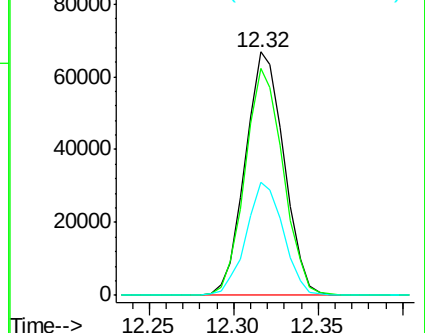
115 46.5 25.4 38.0#



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: BM009327.D

Acq: 22 Mar 2017 20:35

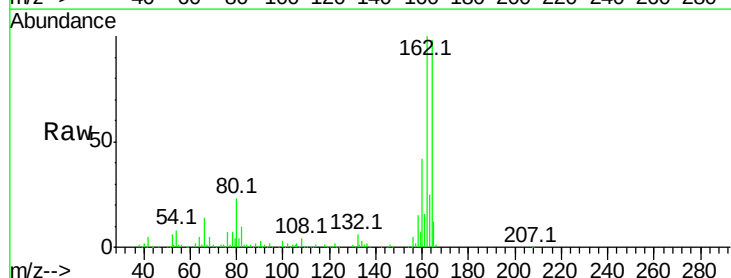
Tgt Ion:164 Resp: 330250

Ion Ratio Lower Upper

164 100

162 102.3 82.4 123.6

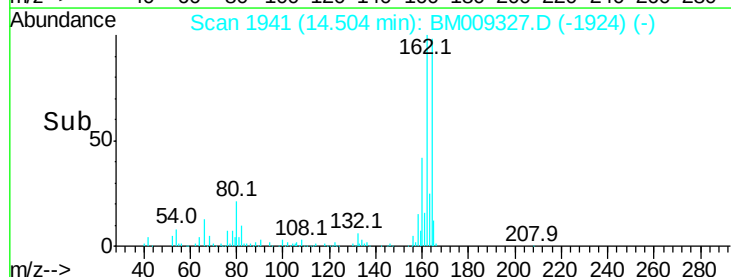
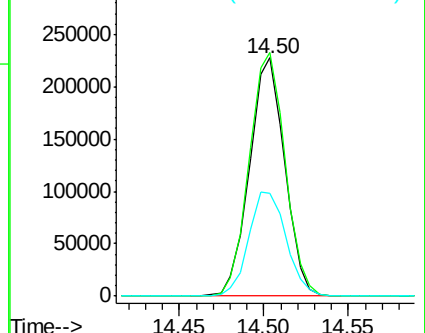
160 43.3 35.8 53.6

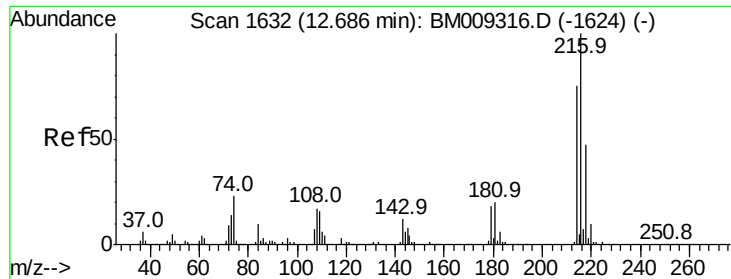


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

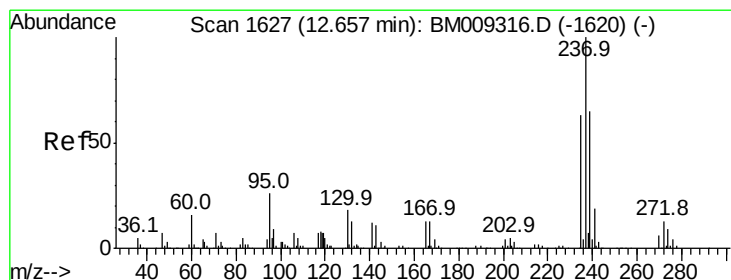
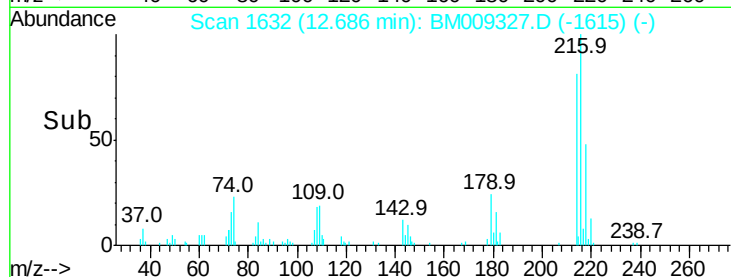
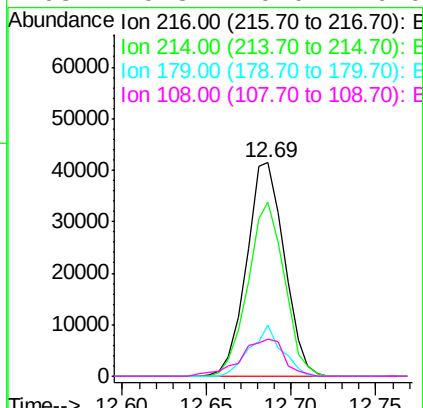
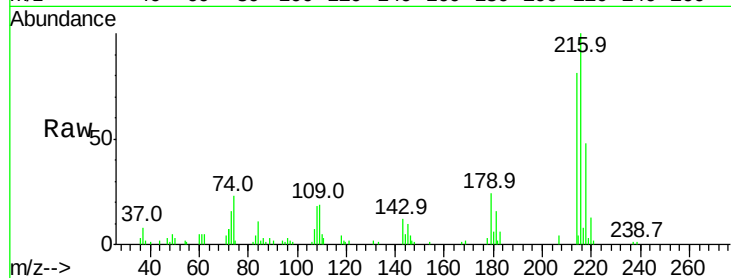




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.18 ng
 RT: 12.69 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

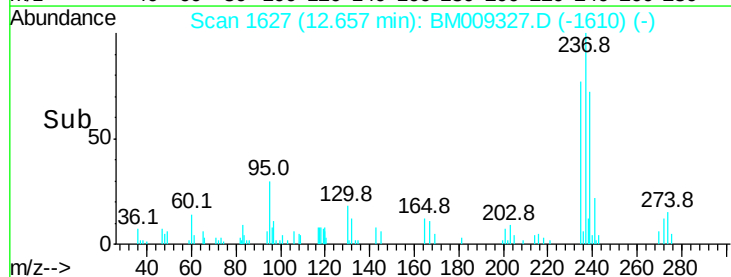
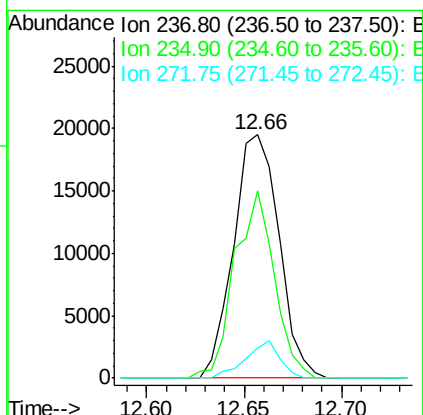
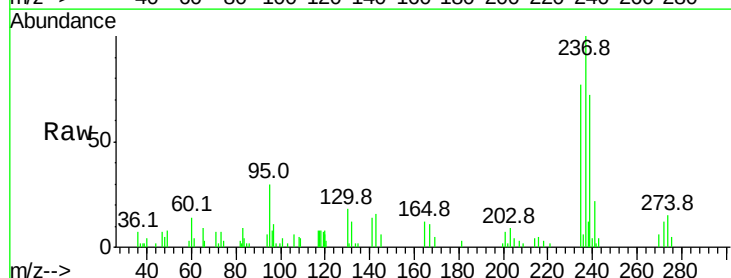
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

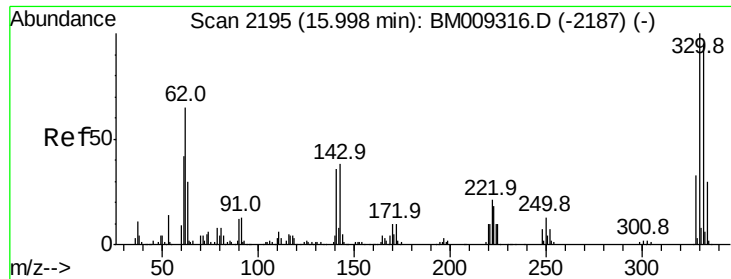
Tot Ion:	216	Resp:	64557
Ion	Ratio	Lower	Upper
216	100		
214	78.6	0.0	0.0#
179	19.9	0.0	0.0#
108	19.8	0.0	0.0#



#40
 Hexachlorocyclopentadiene
 Concen: 4.40 ng
 RT: 12.66 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion:	237	Resp:	31465
Ion	Ratio	Lower	Upper
237	100		
235	76.9	42.0	82.0
272	12.3	0.0	33.4

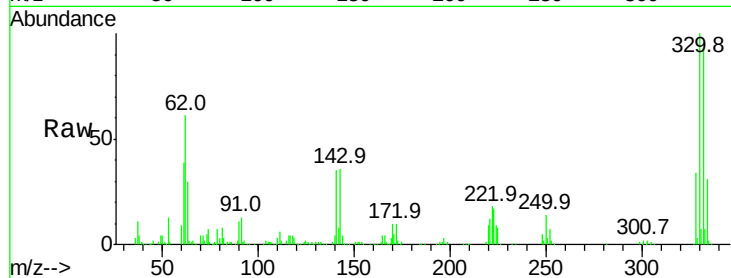




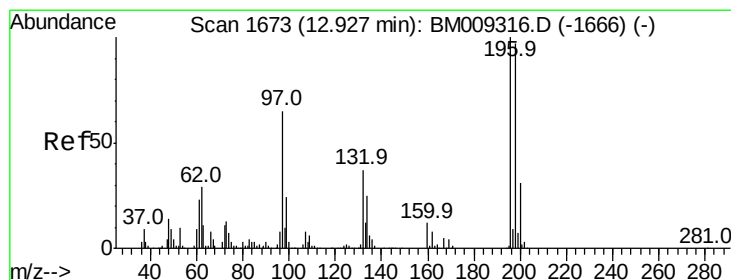
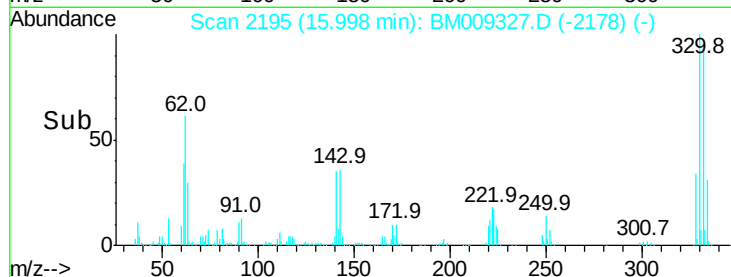
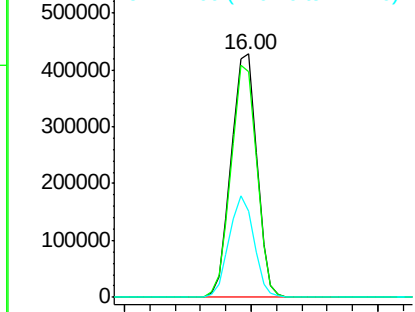
#41
 2,4,6-Tribromophenol
 Concen: 146.50 ng
 RT: 16.00 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

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#

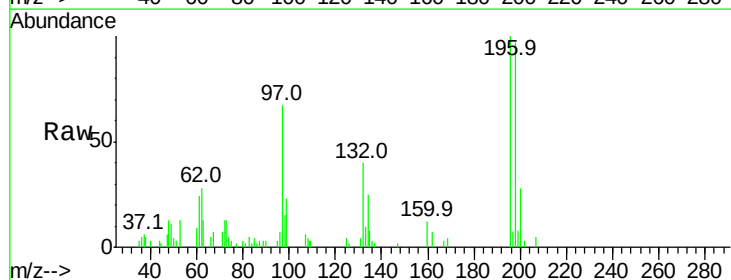


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

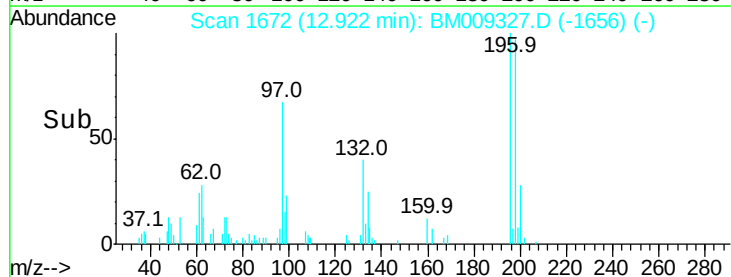
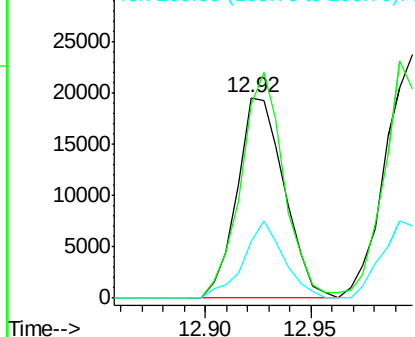


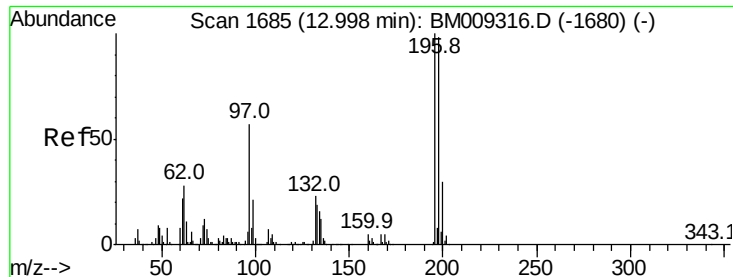
#42
 2,4,6-Trichlorophenol
 Concen: 4.23 ng
 RT: 12.92 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion:196 Resp: 30138
 Ion Ratio Lower Upper
 196 100
 198 97.0 76.3 114.5
 200 28.3 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

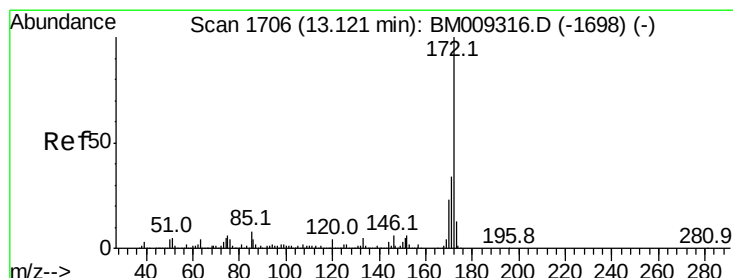
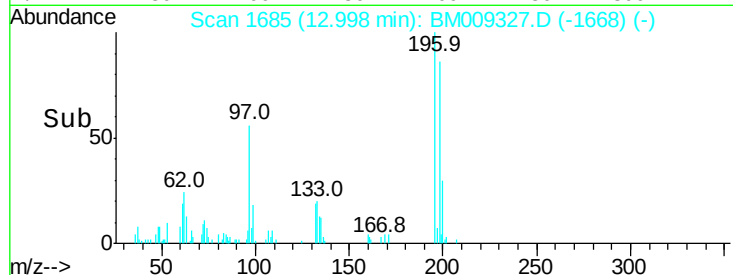
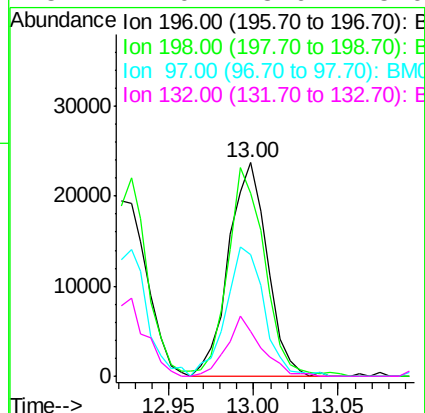
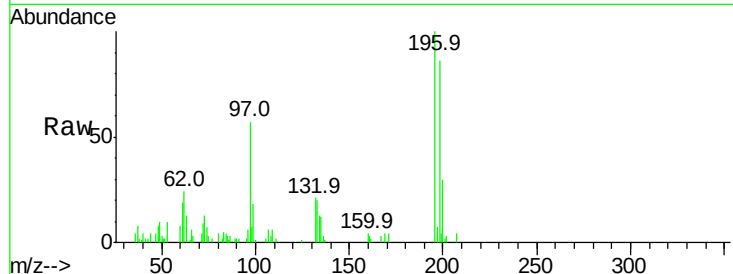




#43
2,4,5-Trichlorophenol
Concen: 4.77 ng
RT: 13.00 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

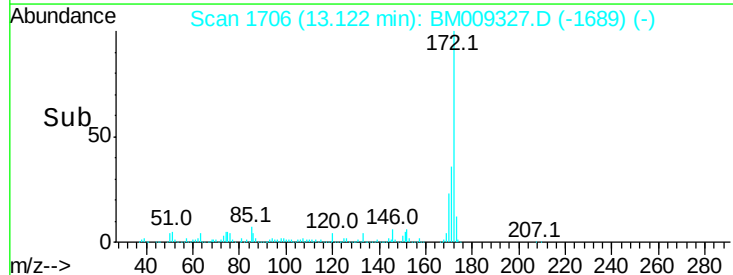
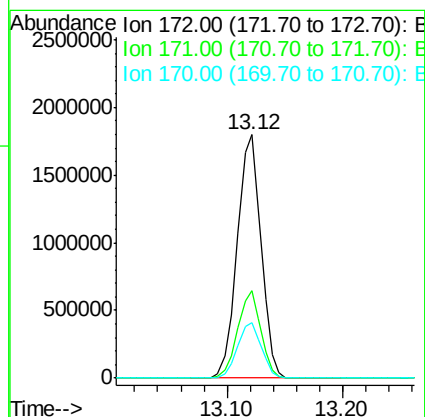
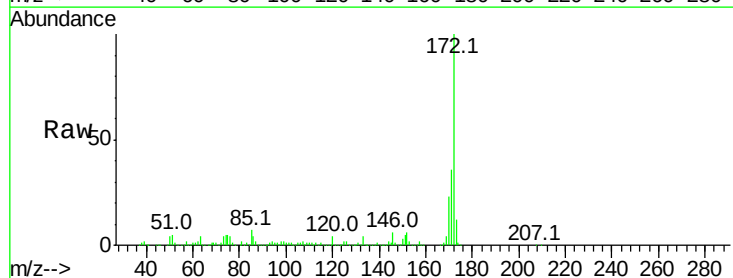
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

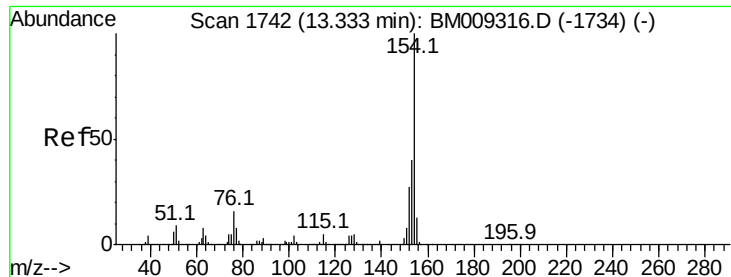
Tot Ion:196 Resp: 37942
Ion Ratio Lower Upper
196 100
198 85.7 79.4 119.0
97 57.1 26.8 40.2#
132 21.0 18.6 28.0



#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

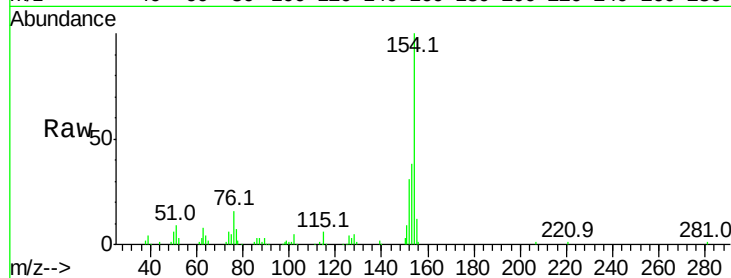




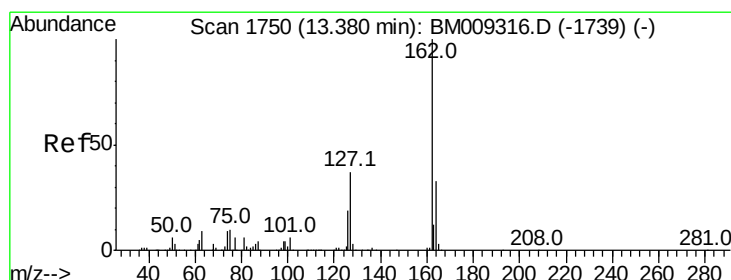
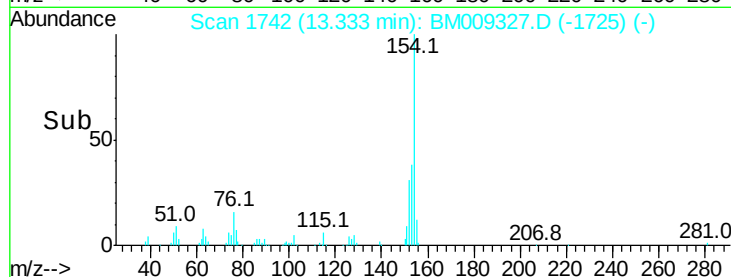
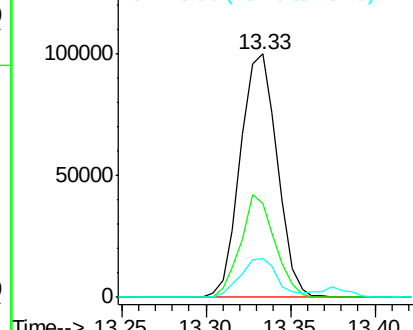
#45
 1,1'-Biphenyl
 Concen: 5.53 ng
 RT: 13.33 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.4	20.7	60.7
76	16.1	0.0	30.9

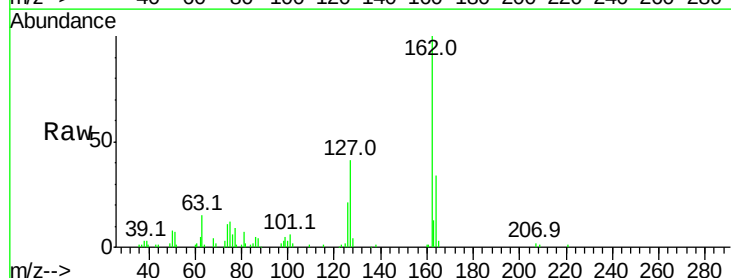


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

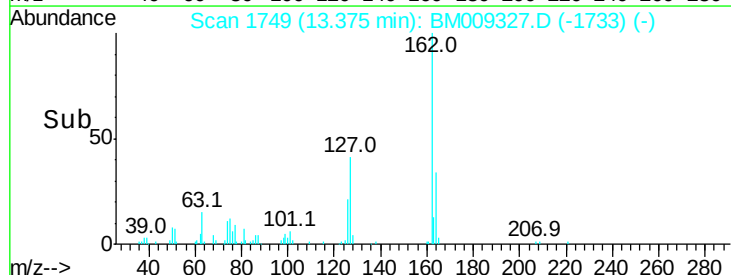
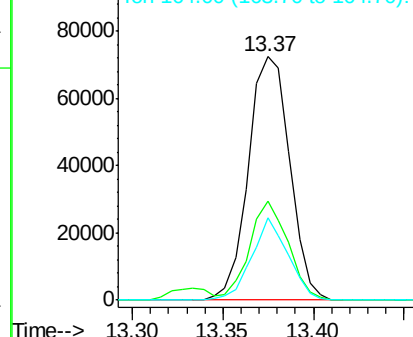


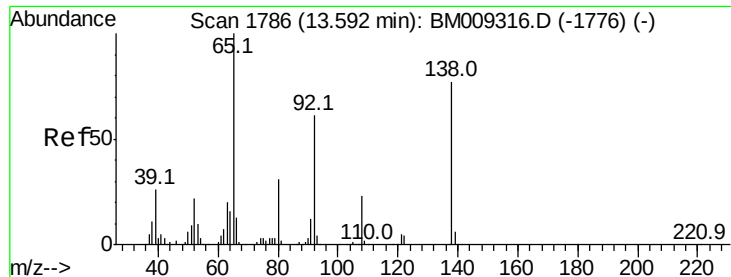
#46
 2-Chloronaphthalene
 Concen: 5.36 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion	Ratio	Lower	Upper
162	100		
127	40.8	26.9	40.3#
164	33.9	26.8	40.2



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 4.61 ng

RT: 13.59 min Scan# 1785

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

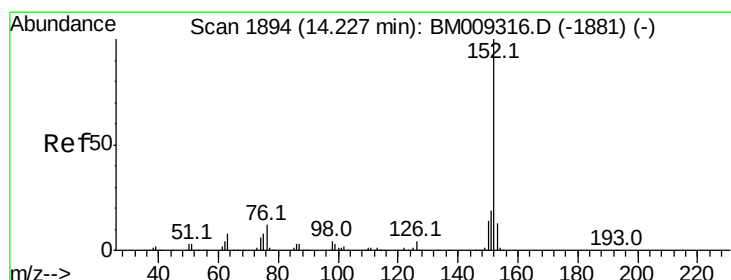
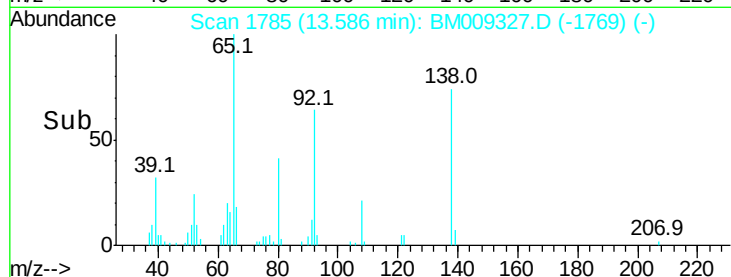
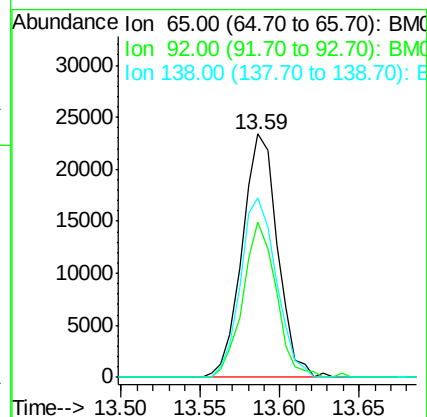
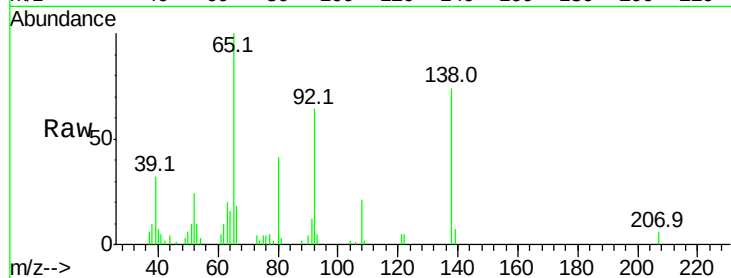
Tot Ion: 65 Resp: 36240

Ion Ratio Lower Upper

65 100

92 63.7 59.1 88.7

138 73.9 93.9 140.9#



#48

Acenaphthylene

Concen: 4.87 ng

RT: 14.22 min Scan# 1893

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

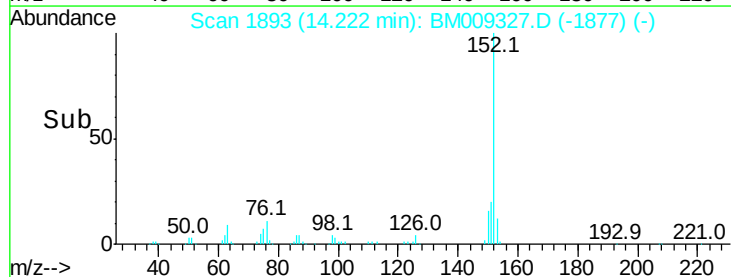
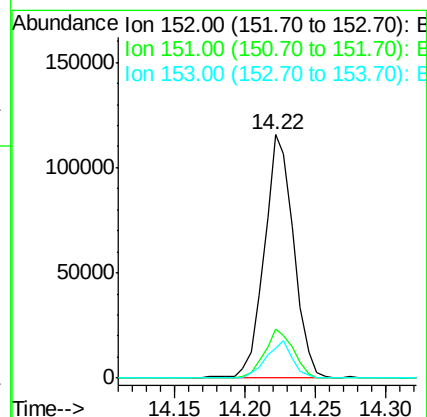
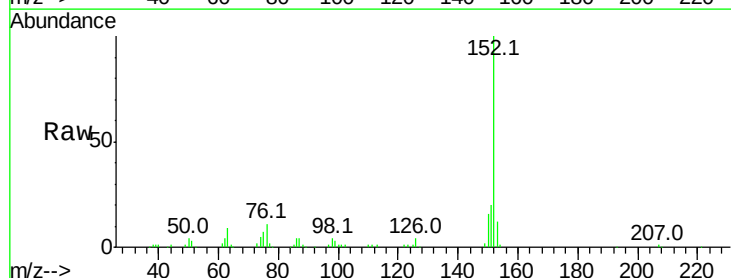
Tgt Ion: 152 Resp: 169406

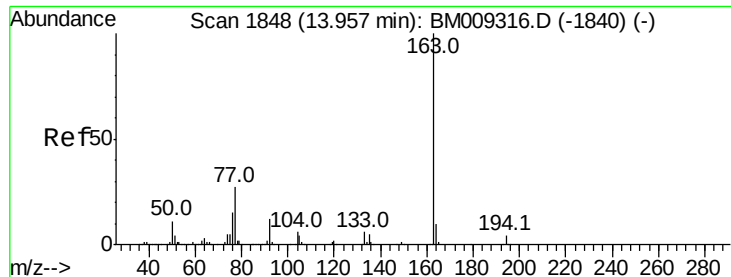
Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 12.0 10.6 16.0





#49

Dimethylphthalate

Concen: 4.94 ng

RT: 13.96 min Scan# 1848

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

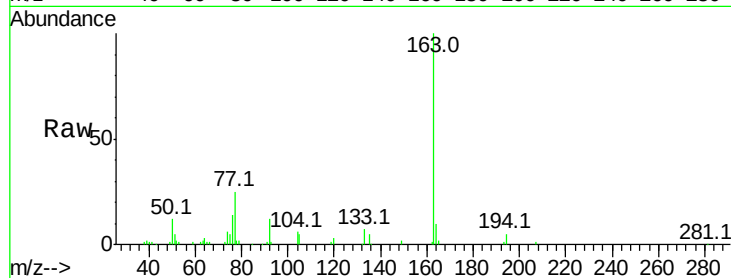
Tot Ion:163 Resp: 125381

Ion Ratio Lower Upper

163 100

194 5.3 2.7 4.1#

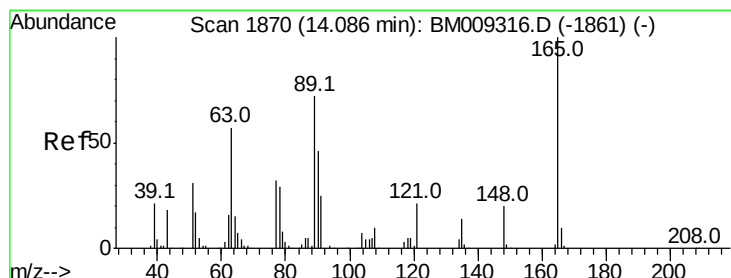
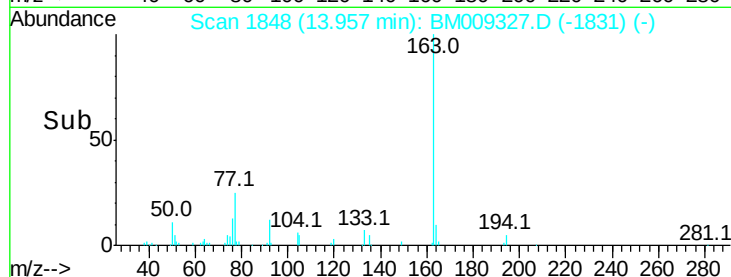
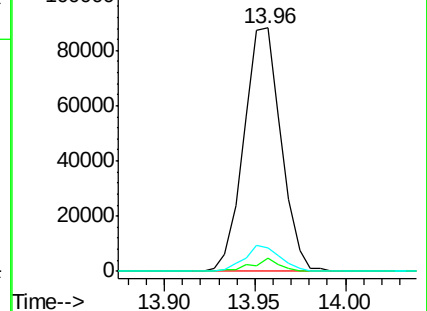
164 9.7 8.2 12.2



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: 4.56 ng

RT: 14.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

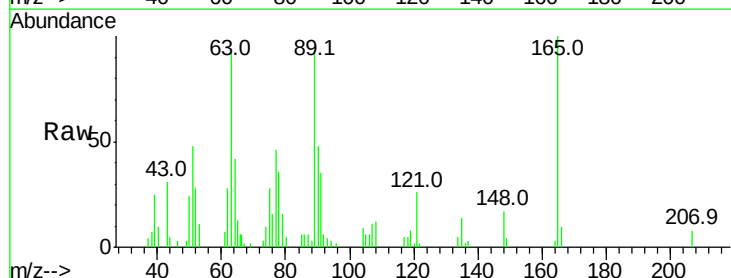
Tgt Ion:165 Resp: 24939

Ion Ratio Lower Upper

165 100

63 91.7 44.1 66.1#

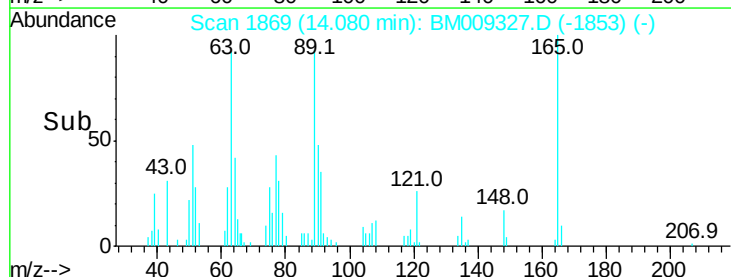
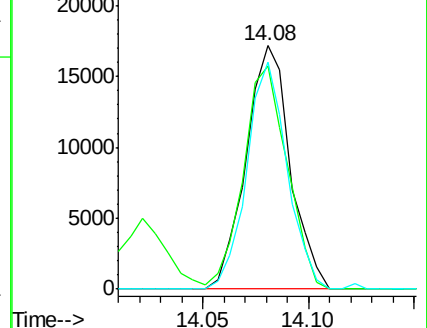
89 93.2 44.3 66.5#

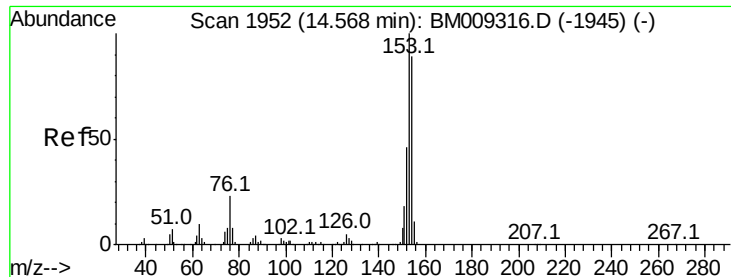


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 5.07 ng

RT: 14.56 min Scan# 1951

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

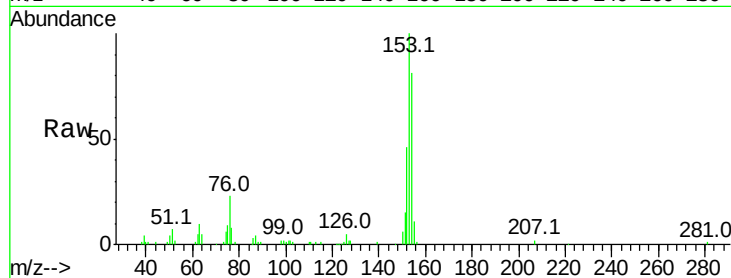
Tot Ion:154 Resp: 106369

Ion Ratio Lower Upper

154 100

153 124.1 90.0 135.0

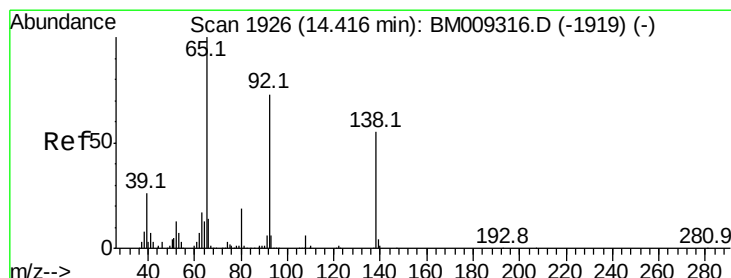
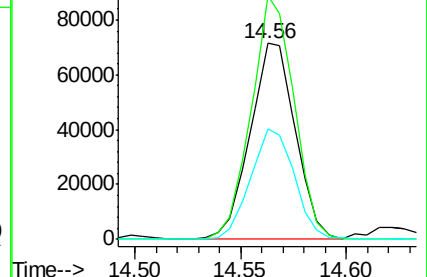
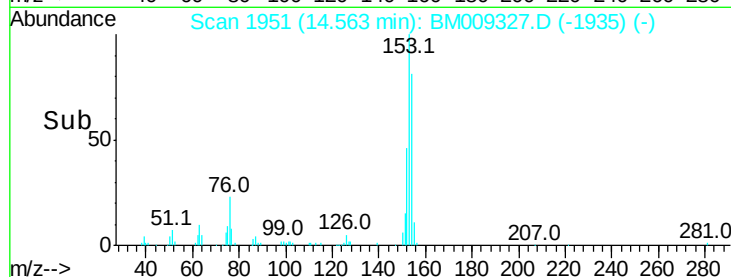
152 56.5 42.6 63.8



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



#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

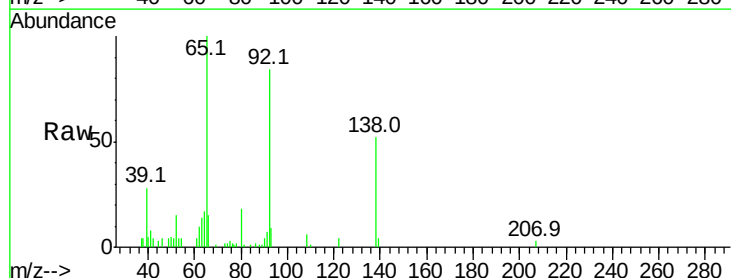
Tgt Ion:138 Resp: 24219

Ion Ratio Lower Upper

138 100

108 11.5 7.3 10.9#

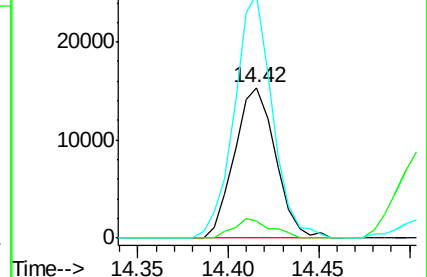
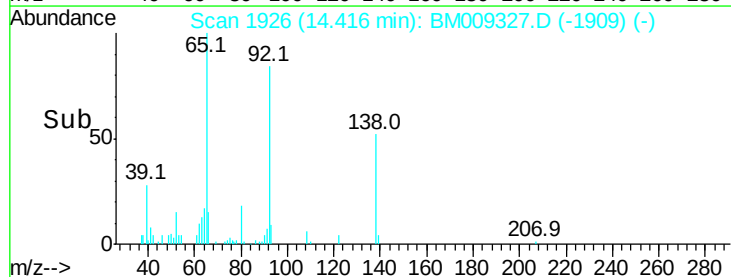
92 162.1 76.6 114.8#

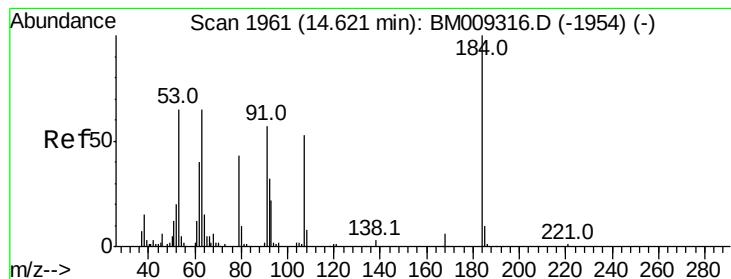


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#53

2,4-Dinitrophenol

Concen: 8.26 ng

RT: 14.62 min Scan# 1961

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

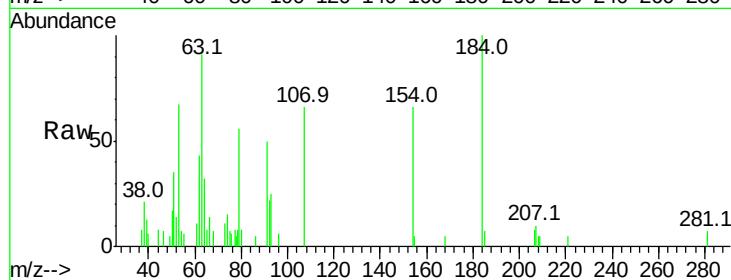
Tot Ion:184 Resp: 11059

Ion Ratio Lower Upper

184 100

63 90.9 69.2 103.8

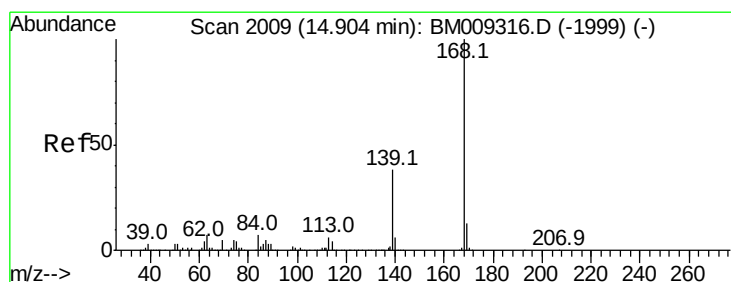
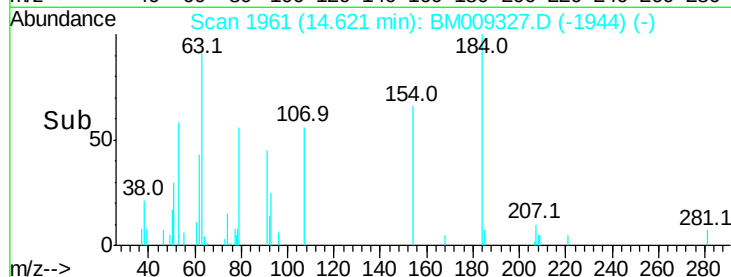
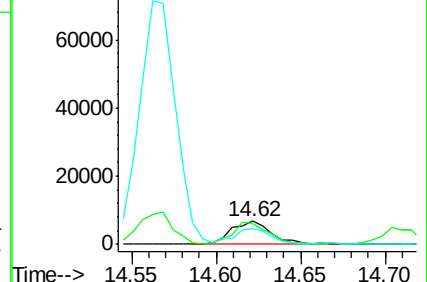
154 66.4 53.3 79.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 5.20 ng

RT: 14.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

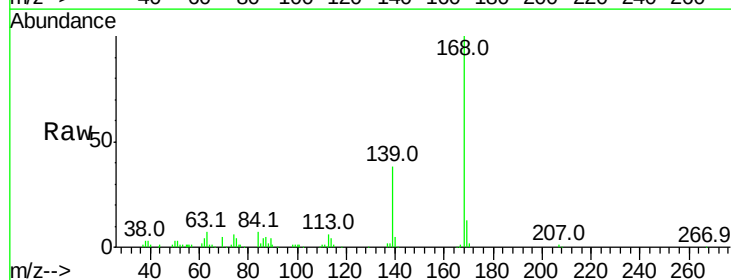
Tgt Ion:168 Resp: 161436

Ion Ratio Lower Upper

168 100

139 38.0 27.3 40.9

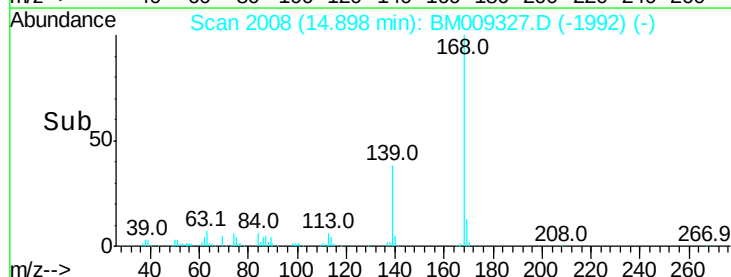
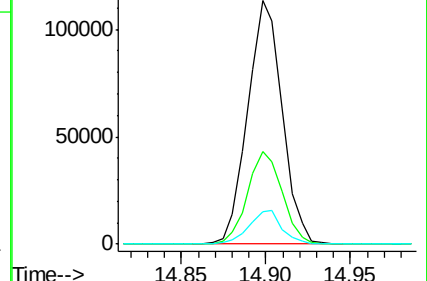
169 13.4 10.6 16.0

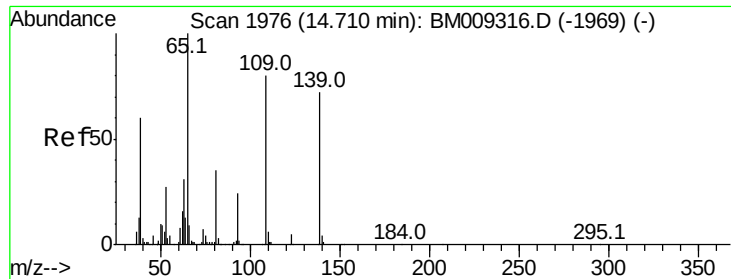


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

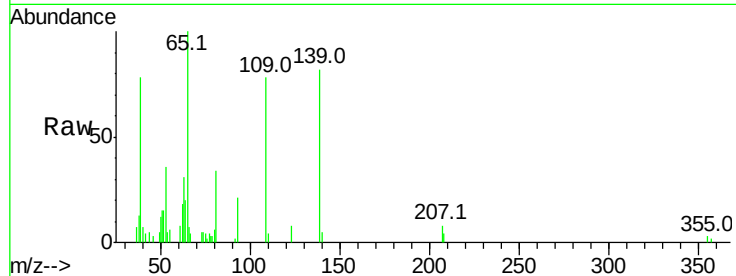




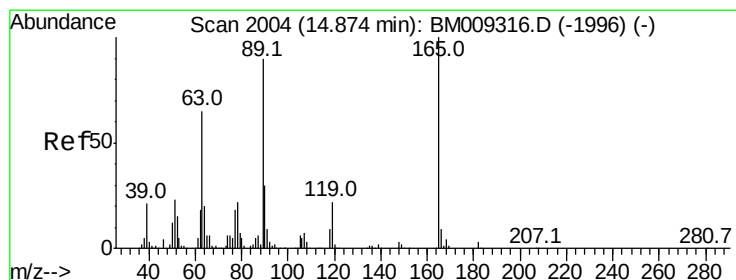
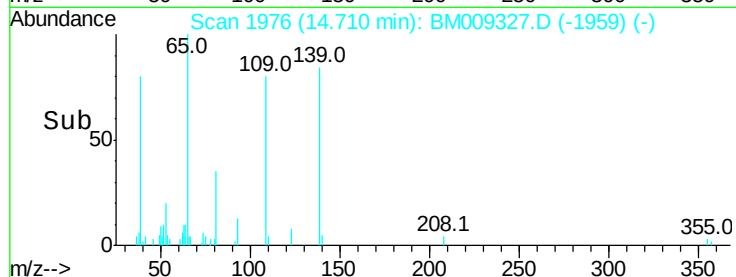
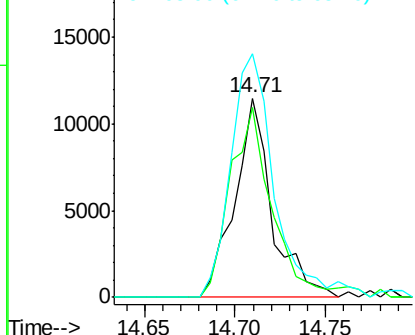
#55
4-Nitrophenol
Concen: 3.68 ng
RT: 14.71 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

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

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

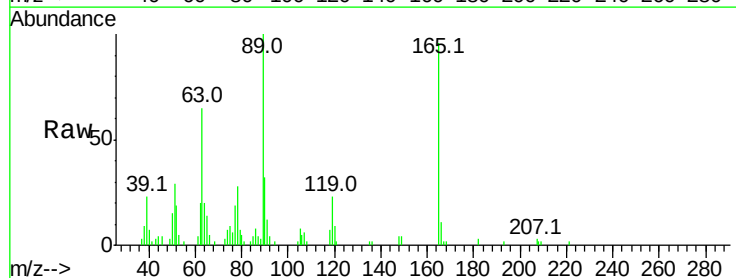


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM

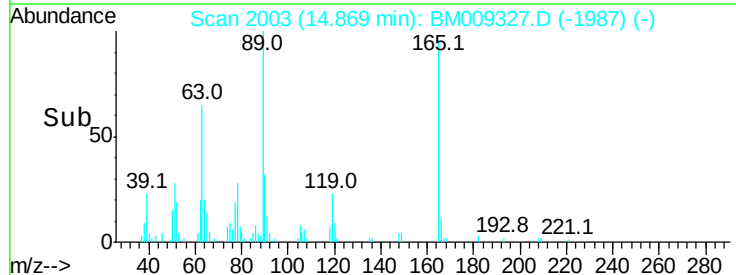
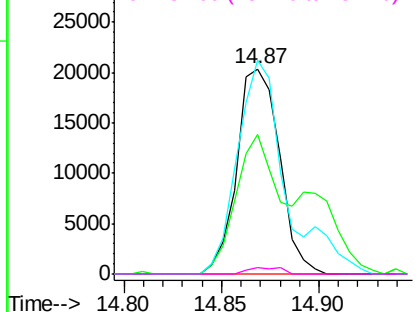


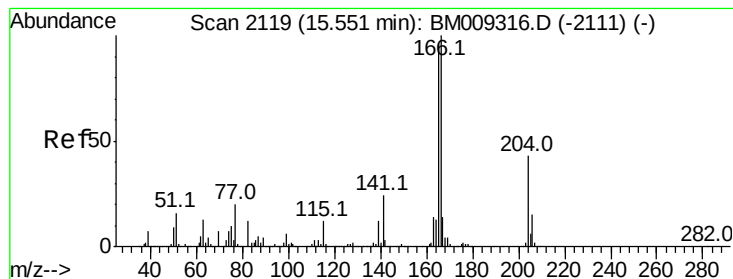
#56
2,4-Dinitrotoluene
Concen: 4.17 ng
RT: 14.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion:165 Resp: 30848
Ion Ratio Lower Upper
165 100
63 68.0 52.4 78.6
89 104.0 72.4 108.6
182 3.3 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 89.00 (88.70 to 89.70): BM
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 4.98 ng

RT: 15.55 min Scan# 2119

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

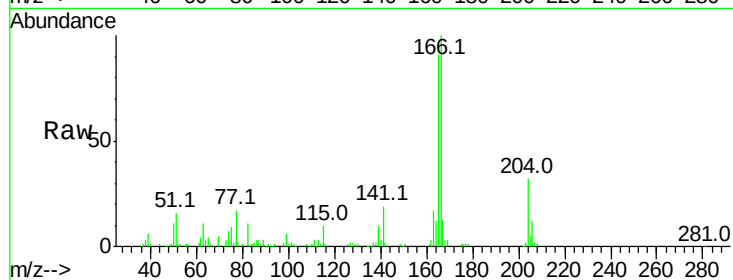
Tot Ion:166 Resp: 138858

Ion Ratio Lower Upper

166 100

165 91.3 79.0 118.4

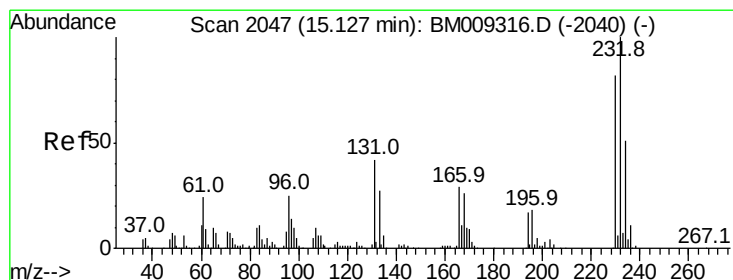
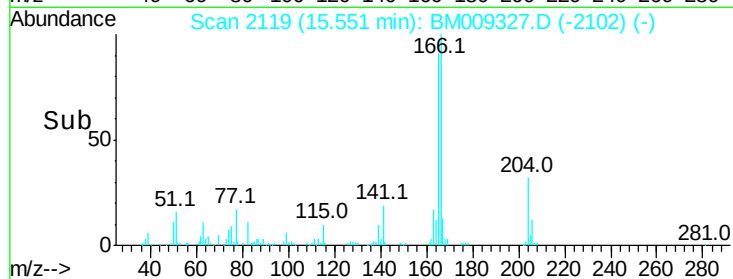
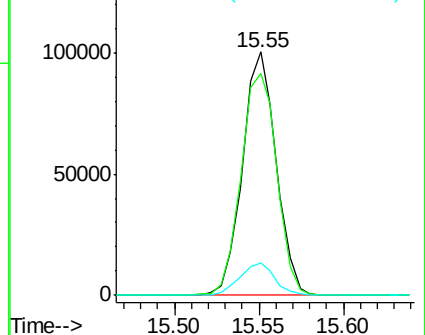
167 13.3 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 4.91 ng

RT: 15.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Tgt Ion:232 Resp: 33007

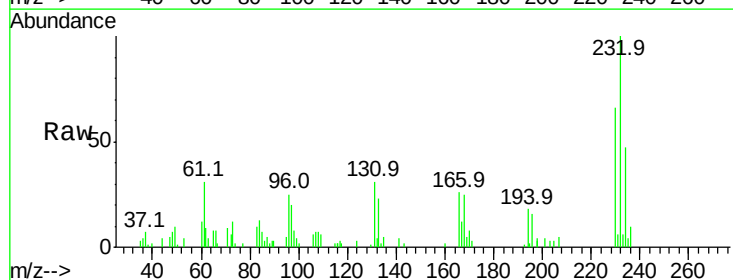
Ion Ratio Lower Upper

232 100

131 38.0 0.0 0.0#

130 1.8 0.0 0.0#

166 27.6 0.0 0.0#

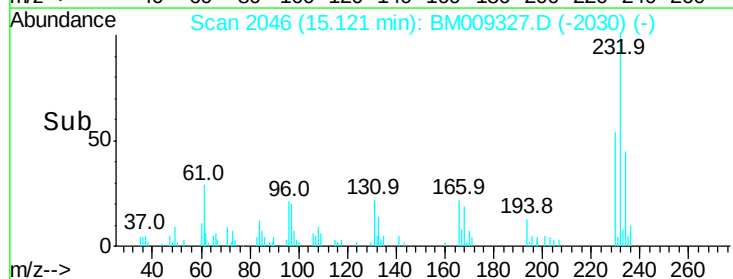
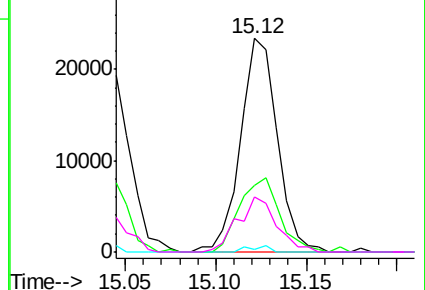


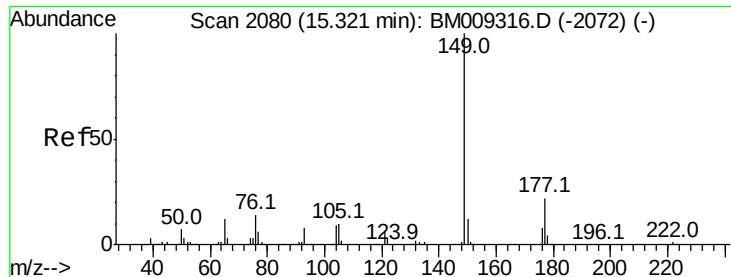
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

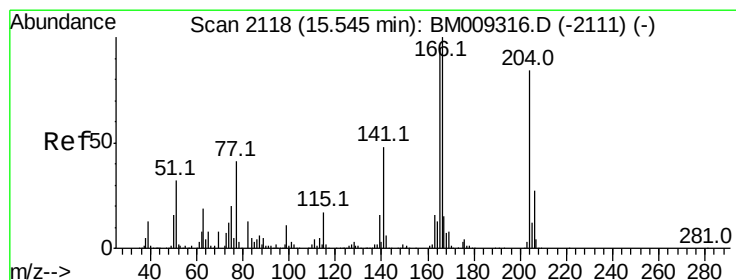
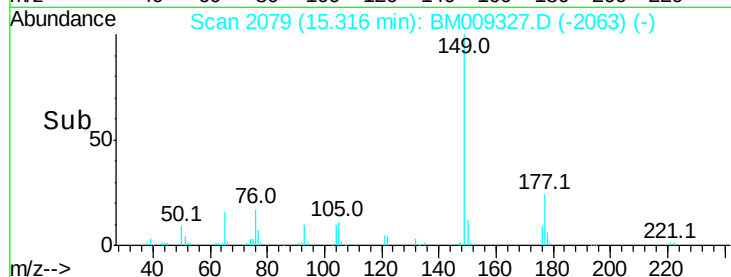
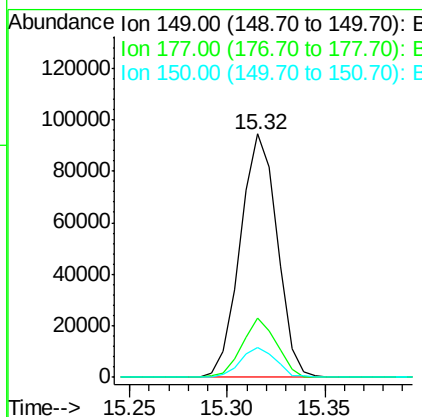
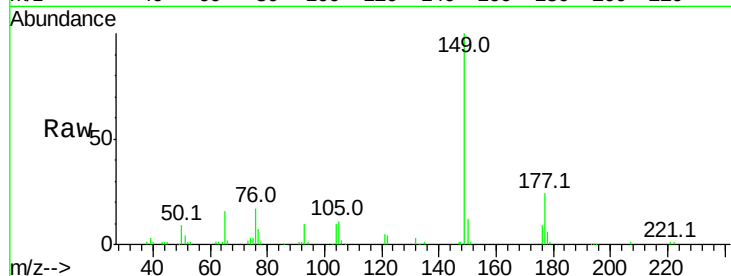




#59
Diethylphthalate
Concen: 4.82 ng
RT: 15.32 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

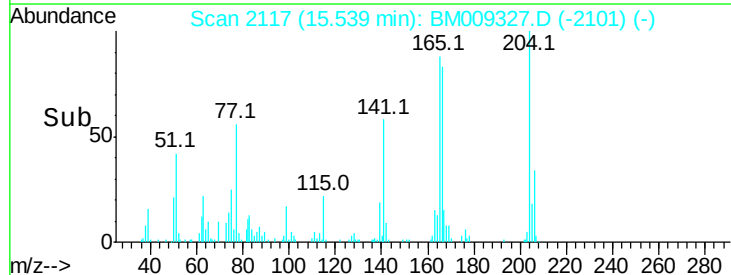
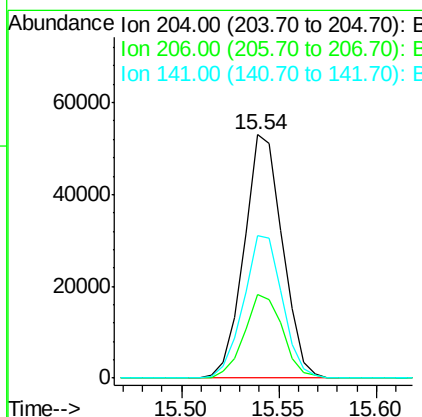
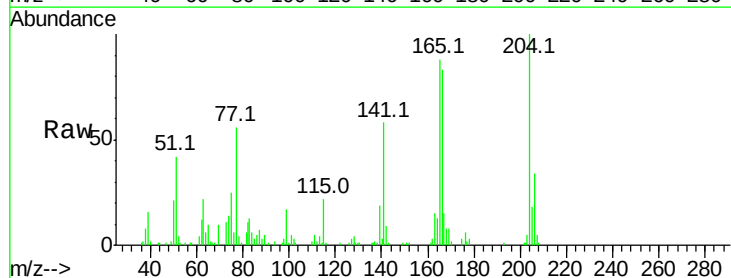
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

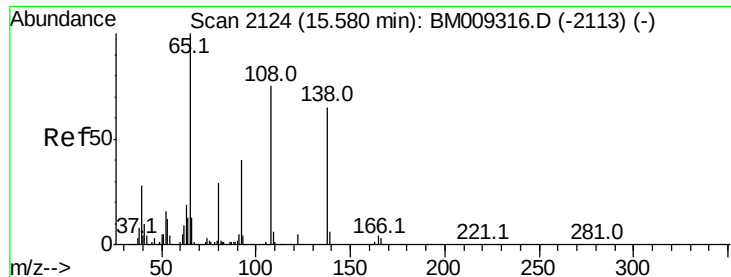
Tot Ion:149 Resp: 123901
Ion Ratio Lower Upper
149 100
177 24.1 18.3 27.5
150 12.3 9.8 14.8



#60
4-Chlorophenyl-phenylether
Concen: 4.96 ng
RT: 15.54 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion:204 Resp: 72198
Ion Ratio Lower Upper
204 100
206 34.1 26.6 39.8
141 58.4 45.2 67.8

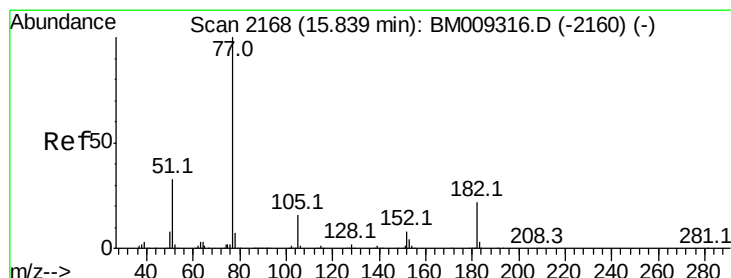
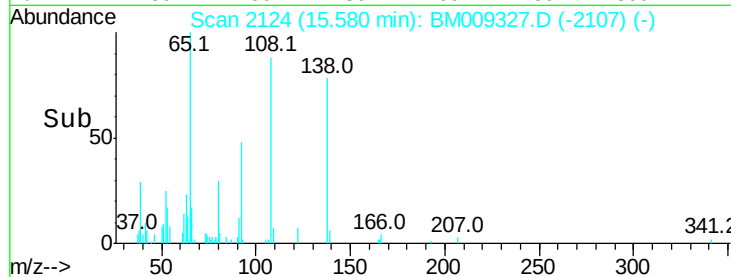
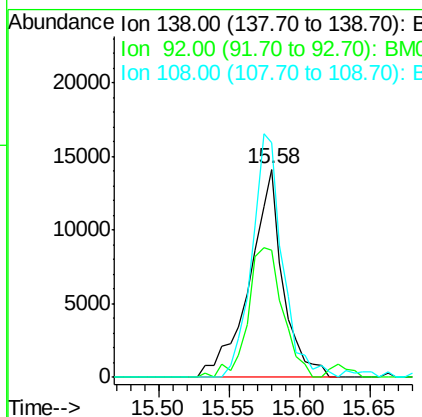
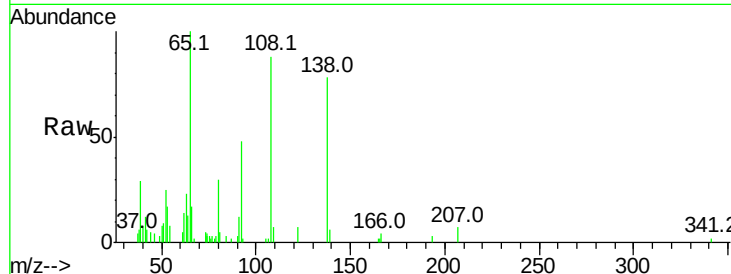




#61
 4-Nitroaniline
 Concen: 4.01 ng
 RT: 15.58 min Scan# 2124
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

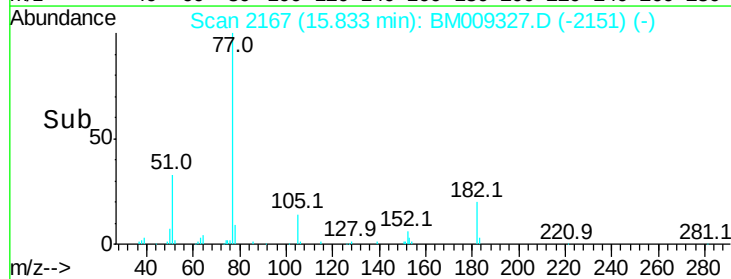
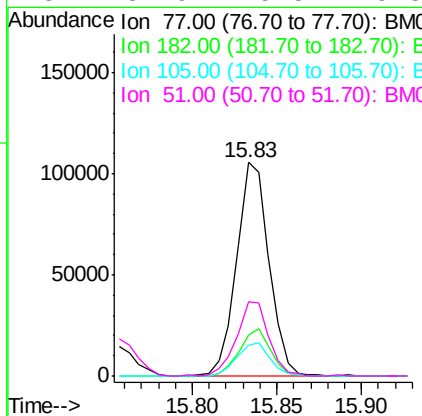
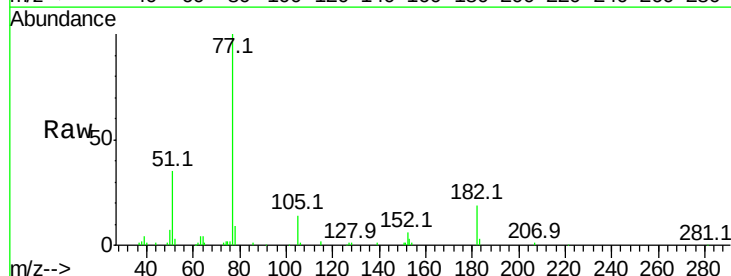
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

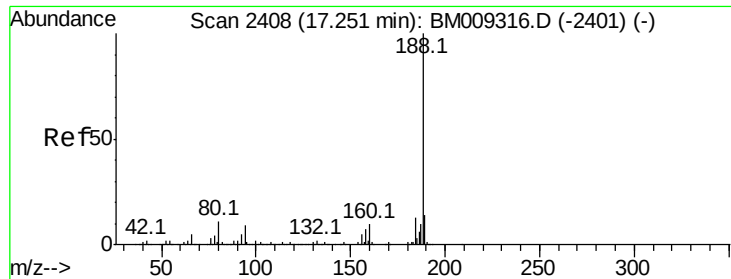
Tot Ion:138	Resp:	23430
Ion Ratio	Lower	Upper
138 100		
92 61.1	16.7	56.7#
108 112.8	37.6	77.6#



#62
 Azobenzene
 Concen: 4.71 ng
 RT: 15.83 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion: 77	Resp: 141351
Ion Ratio	Lower Upper
77 100	
182 19.4	6.5 46.5
105 14.2	3.8 43.8
51 34.9	5.5 45.5

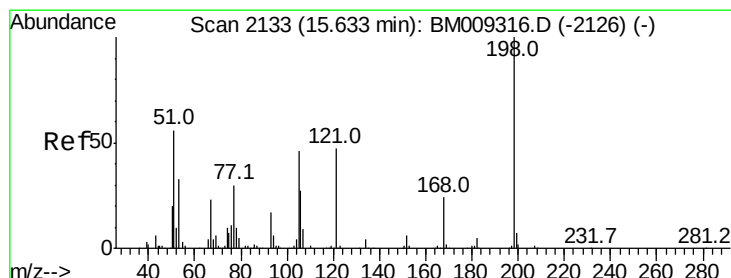
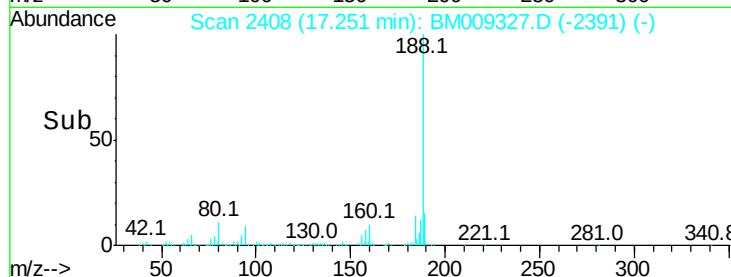
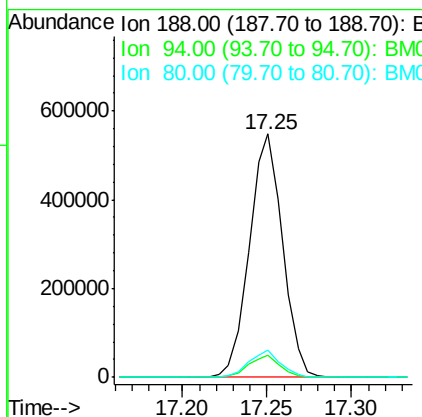
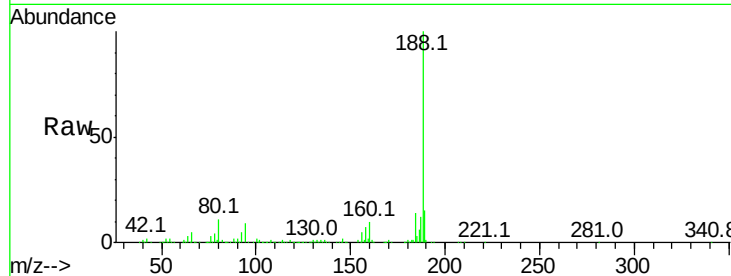




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.25 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

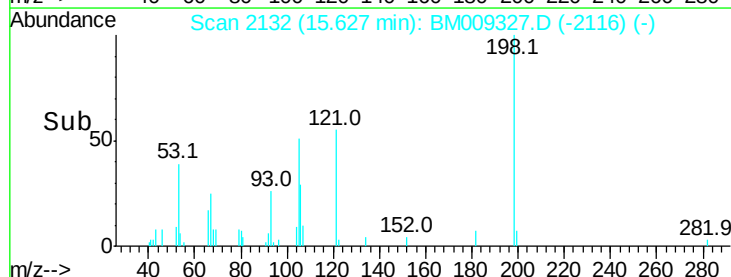
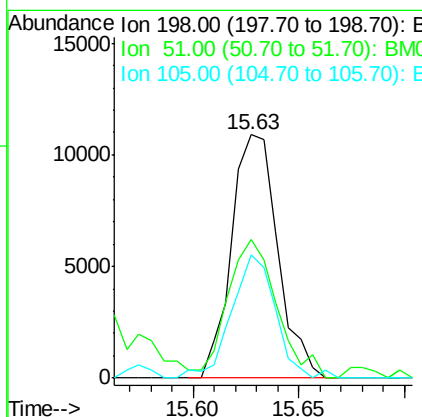
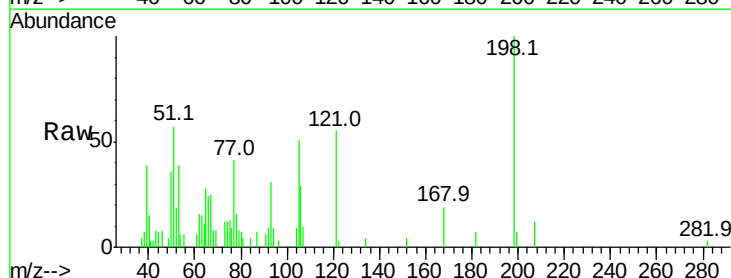
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

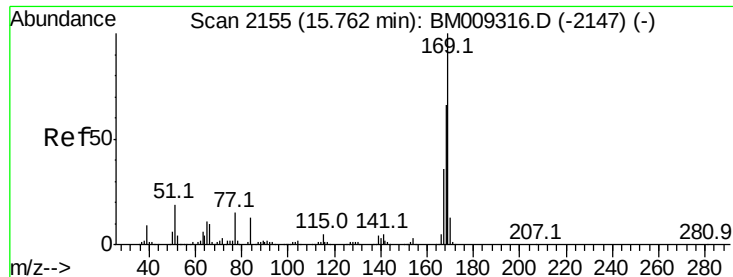
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.7	13.1
80	11.2	9.3	13.9



#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

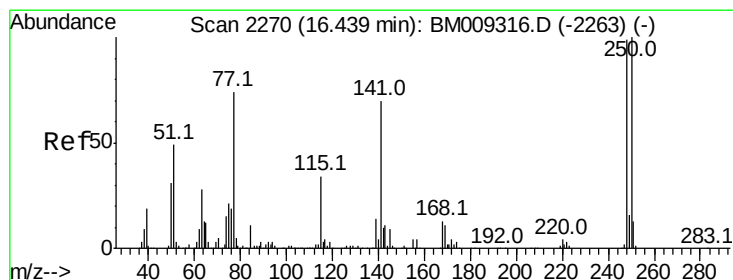
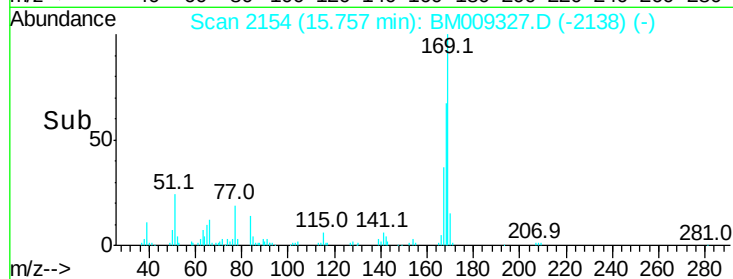
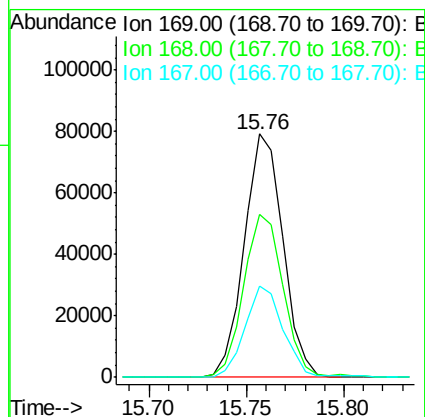
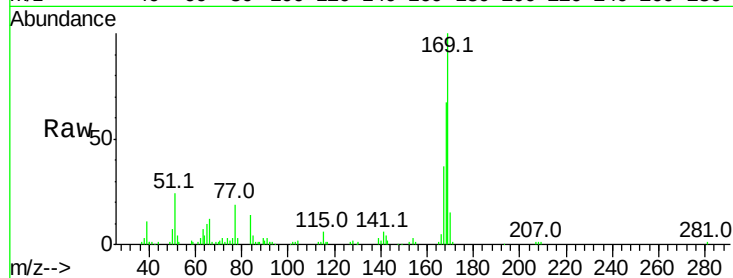




#65
n-Nitrosodiphenylamine
Concen: 4.78 ng
RT: 15.76 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

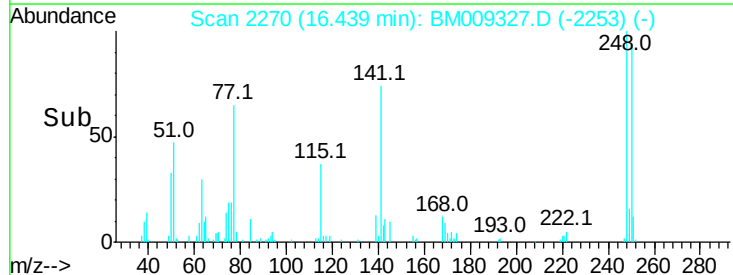
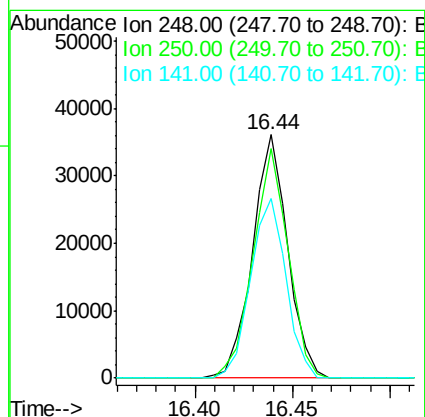
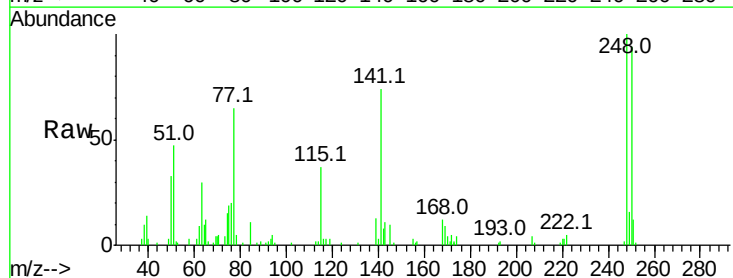
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

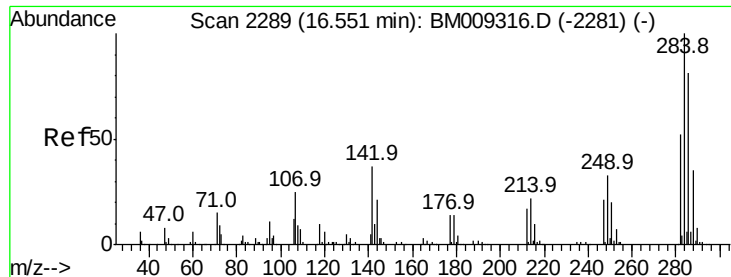
Tot Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.9	80.9
167	37.4	28.9	43.3



#66
4-Bromophenyl-phenylether
Concen: 5.20 ng
RT: 16.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion	Ratio	Lower	Upper
248	100		
250	94.4	77.4	116.0
141	73.9	45.2	67.8

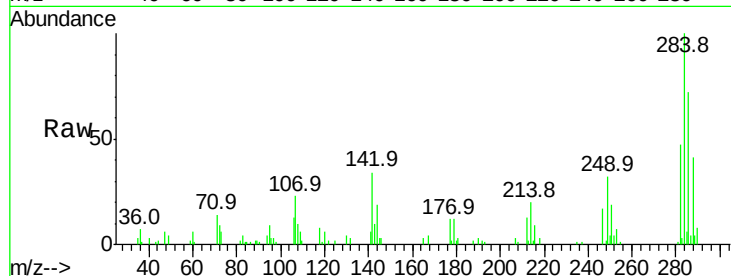




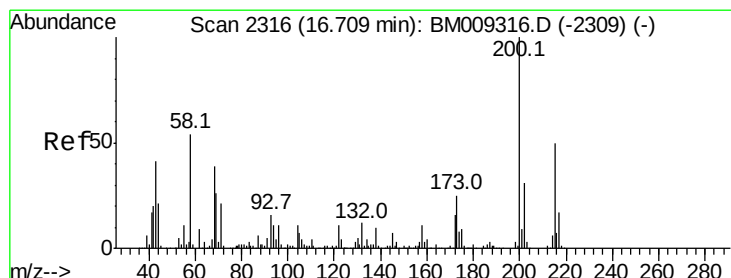
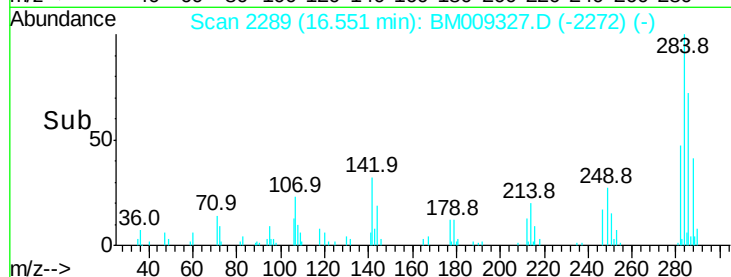
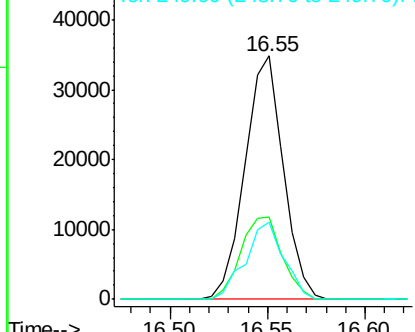
#67
Hexachlorobenzene
Concen: 4.99 ng
RT: 16.55 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

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

Tot Ion:284 Resp: 47430
Ion Ratio Lower Upper
284 100
142 33.7 20.4 30.6#
249 31.7 23.8 35.6

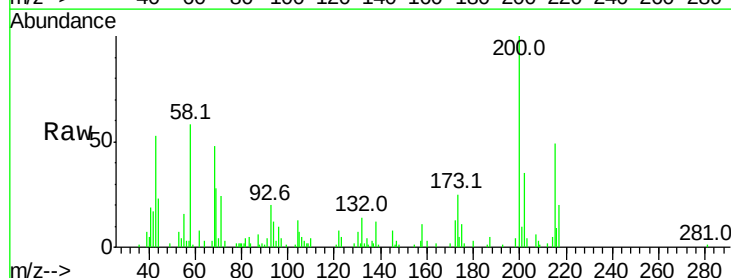


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

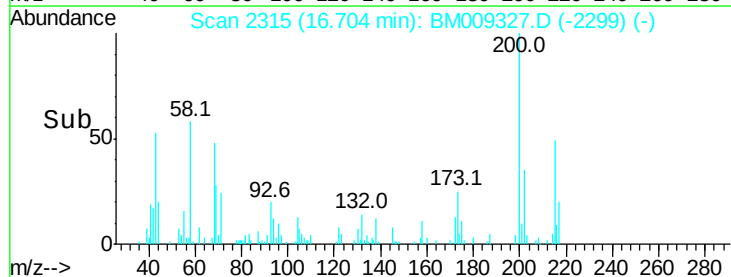
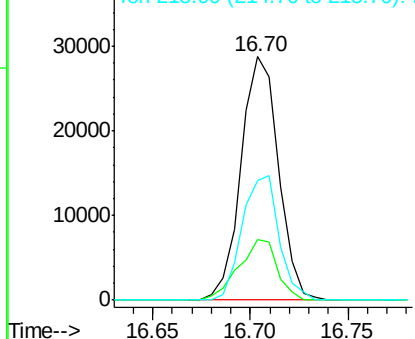


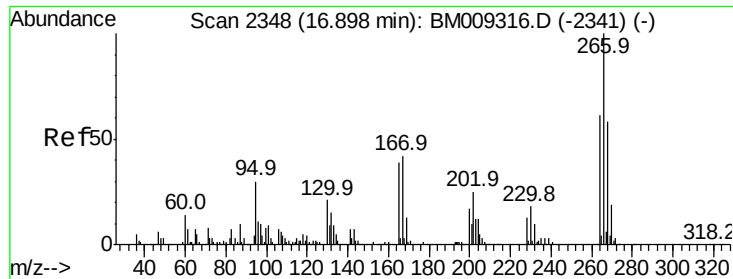
#68
Atrazine
Concen: 4.48 ng
RT: 16.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion:200 Resp: 38255
Ion Ratio Lower Upper
200 100
173 24.8 4.8 44.8
215 49.2 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 3.86 ng

RT: 16.90 min Scan# 2348

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

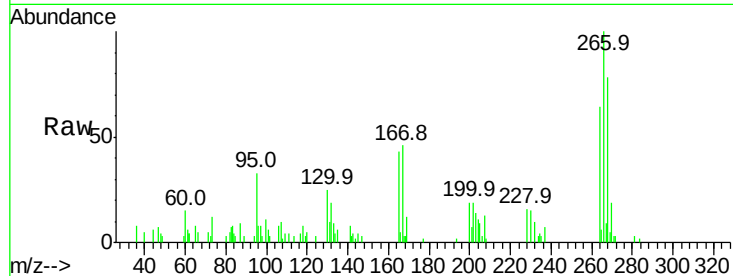
Tot Ion:266 Resp: 22428

Ion Ratio Lower Upper

266 100

268 77.6 52.0 78.0

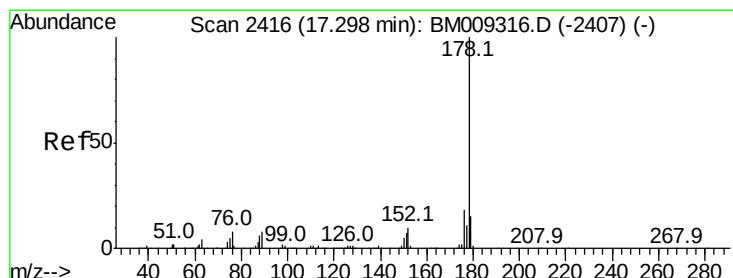
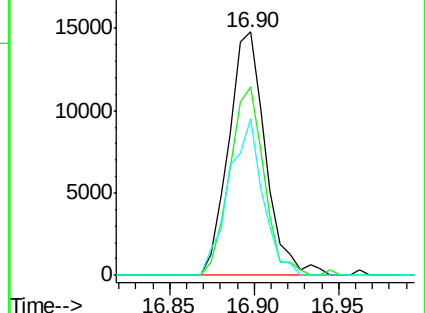
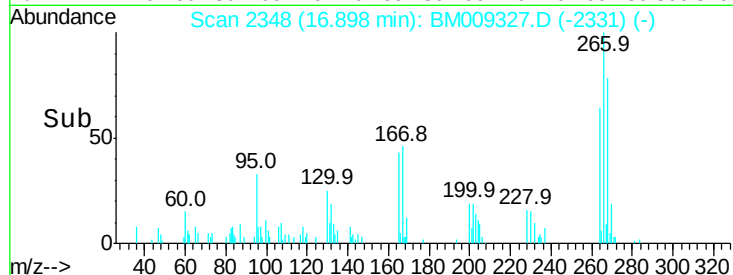
264 64.2 49.0 73.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 5.11 ng

RT: 17.29 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

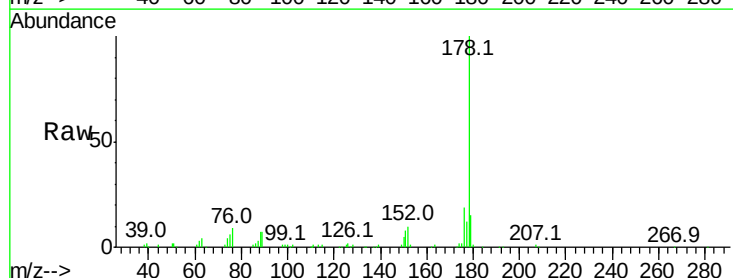
Tgt Ion:178 Resp: 218607

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

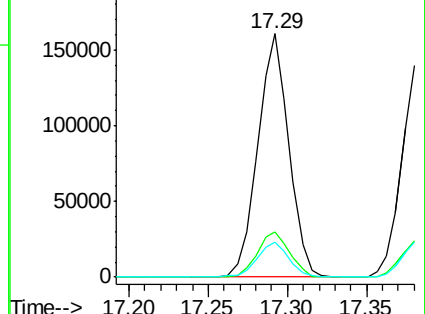
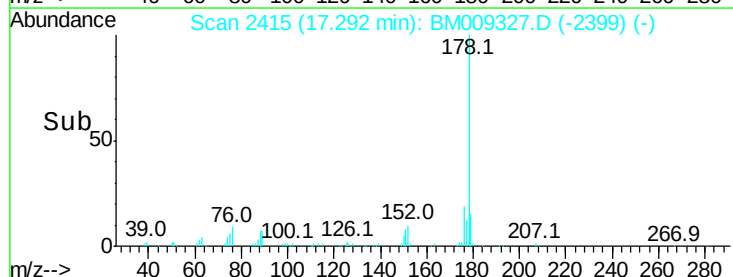
179 14.6 12.1 18.1

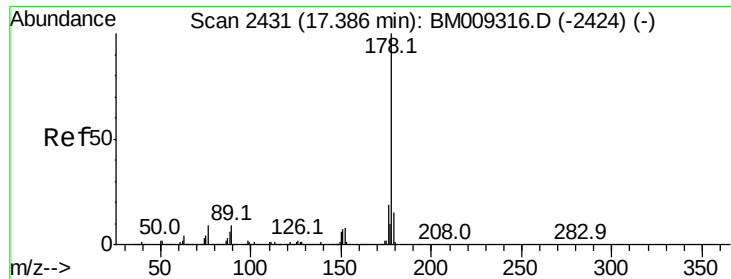


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

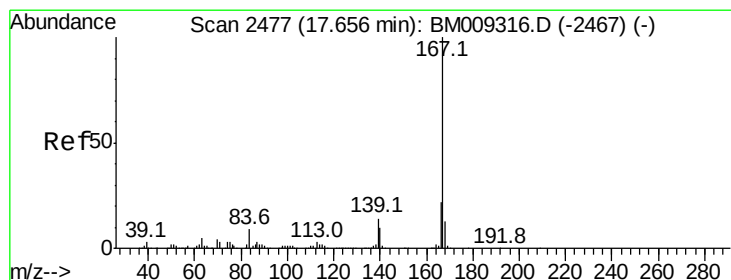
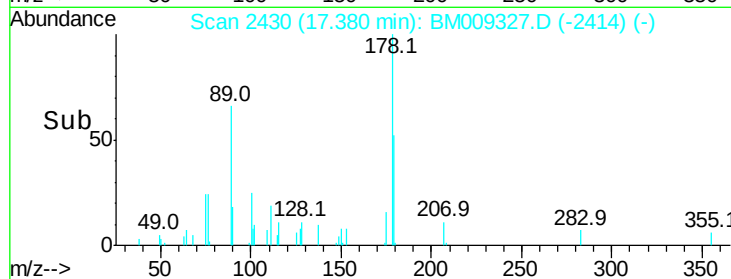
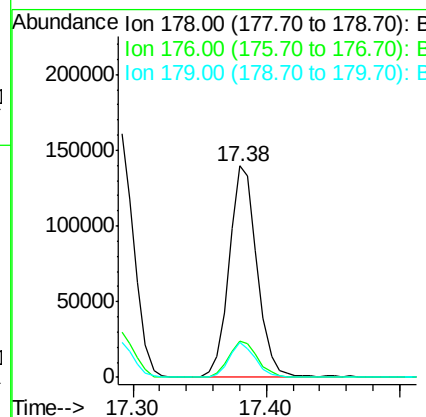
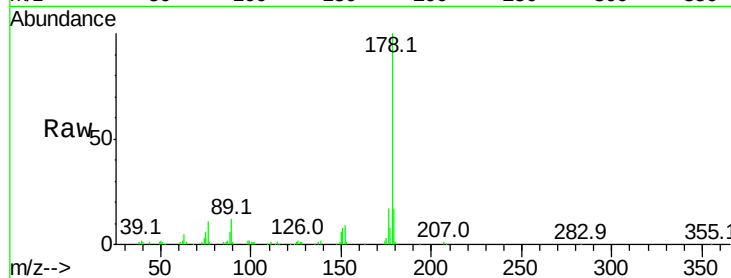




#71
 Anthracene
 Concen: 4.74 ng
 RT: 17.38 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

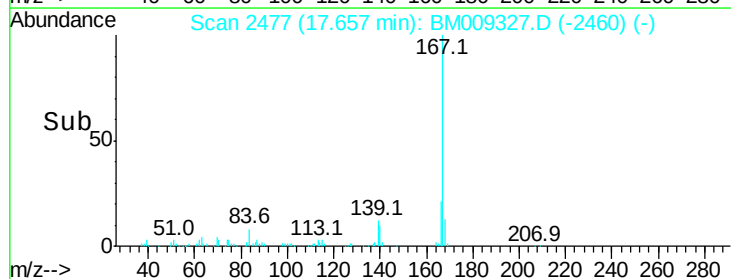
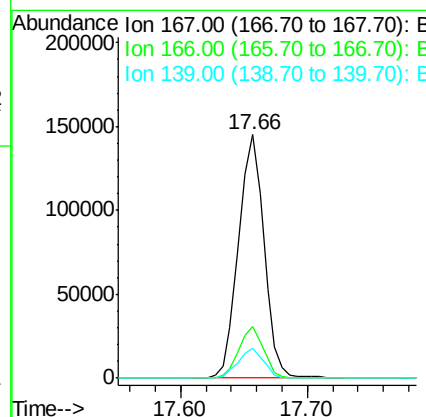
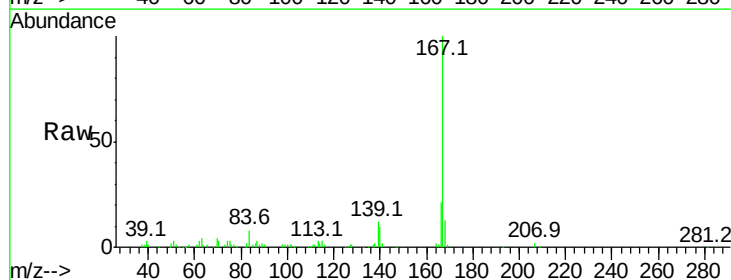
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

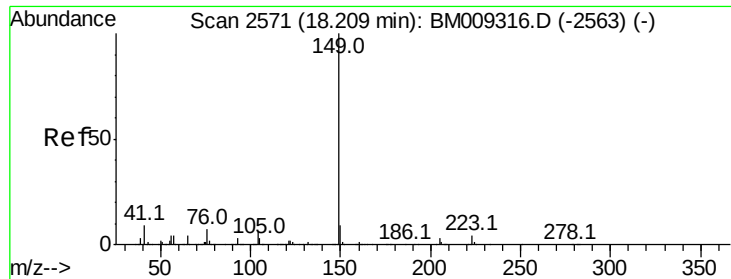
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.6	22.0
179	16.6	12.6	19.0



#72
 Carbazole
 Concen: 4.88 ng
 RT: 17.66 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.2	25.8
139	12.5	10.8	16.2

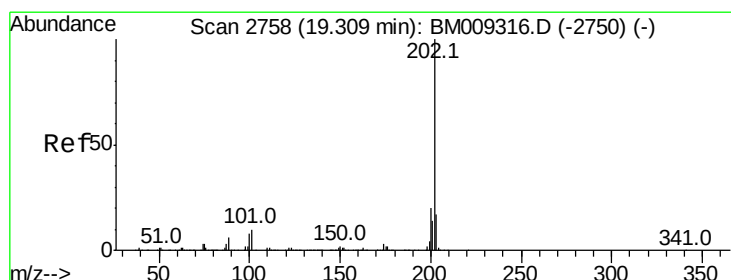
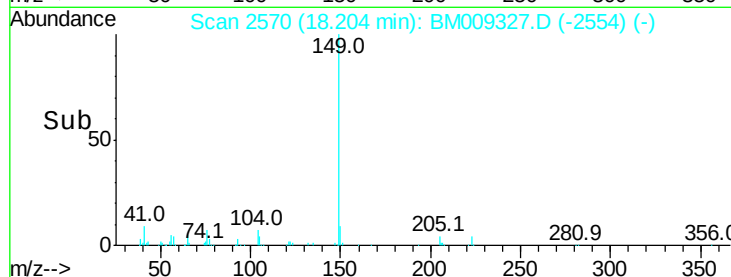
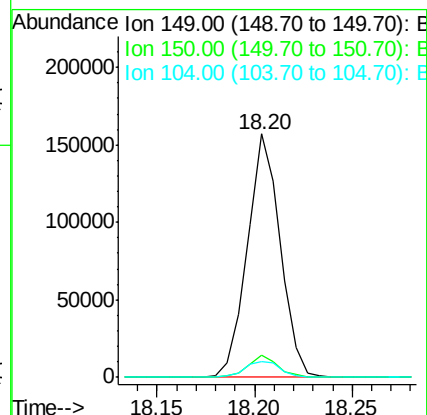
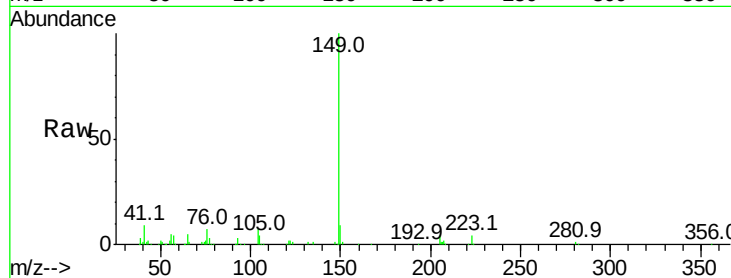




#73
Di-n-butylphthalate
Concen: 4.32 ng
RT: 18.20 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

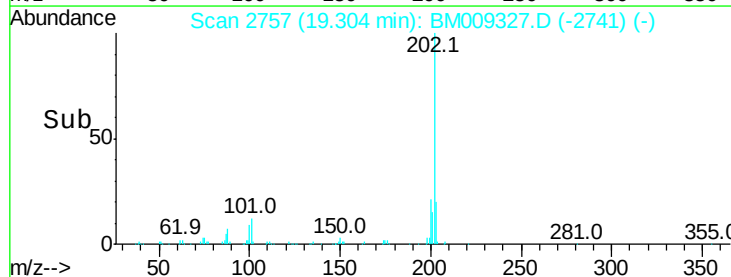
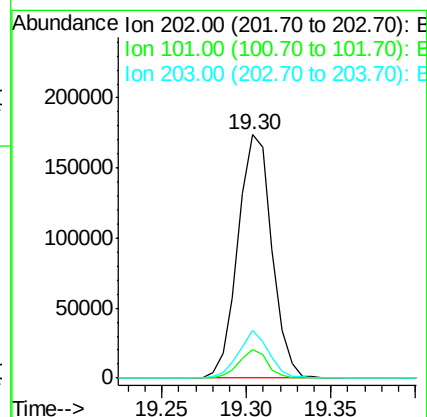
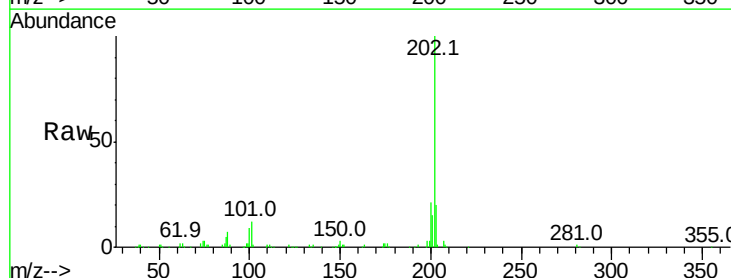
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

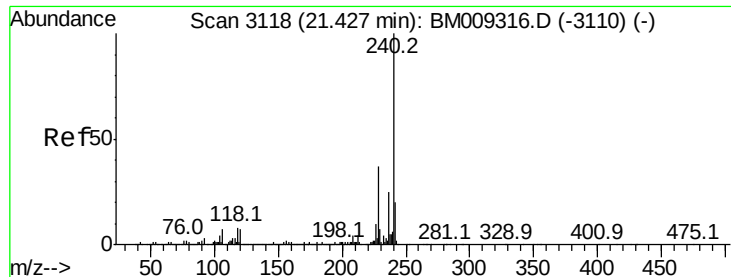
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.6	3.7	5.5



#74
Fluoranthene
Concen: 4.79 ng
RT: 19.30 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	28.7
203	19.6	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: BM009327.D

Acq: 22 Mar 2017 20:35

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

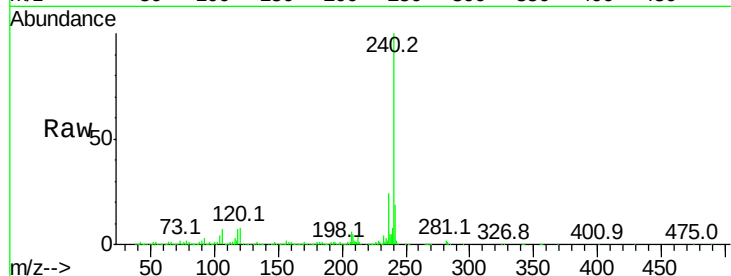
Tot Ion:240 Resp: 928113

Ion Ratio Lower Upper

240 100

120 7.8 8.2 12.2#

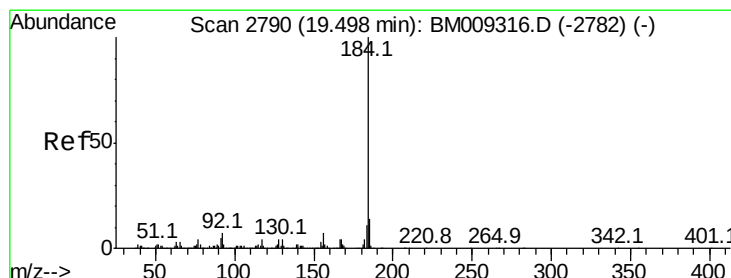
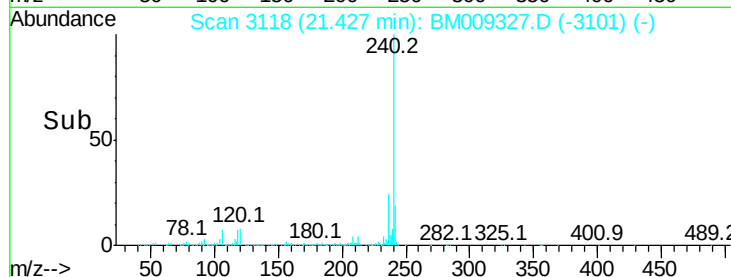
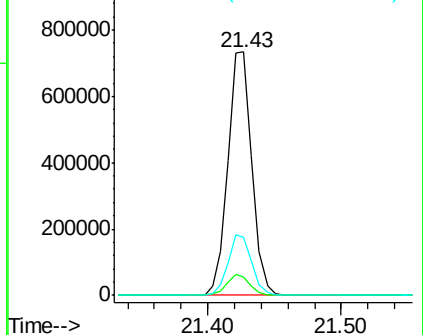
236 23.6 20.0 30.0



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



#76

Benzidine

Concen: 3.91 ng

RT: 19.49 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

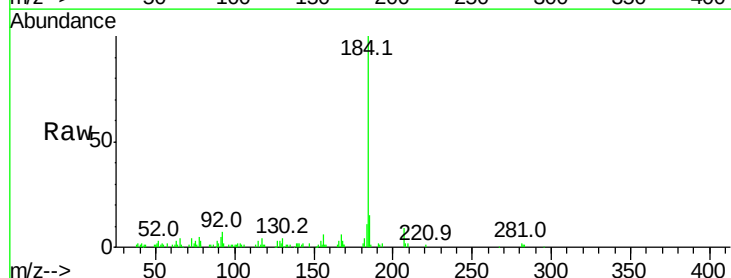
Tgt Ion:184 Resp: 108038

Ion Ratio Lower Upper

184 100

185 14.9 11.3 16.9

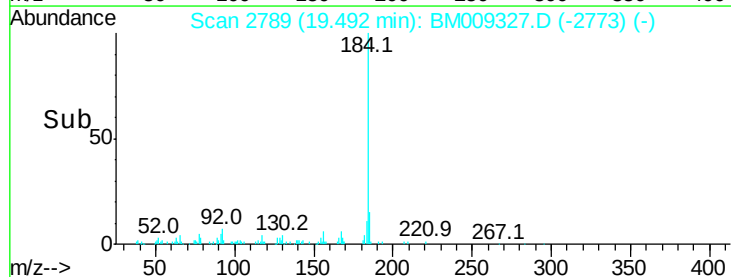
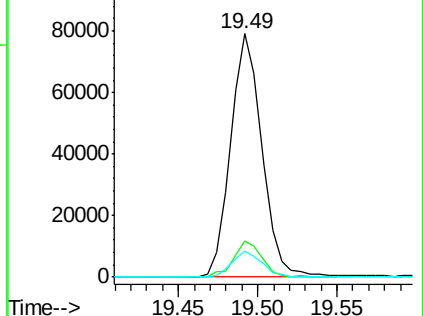
183 10.9 8.9 13.3

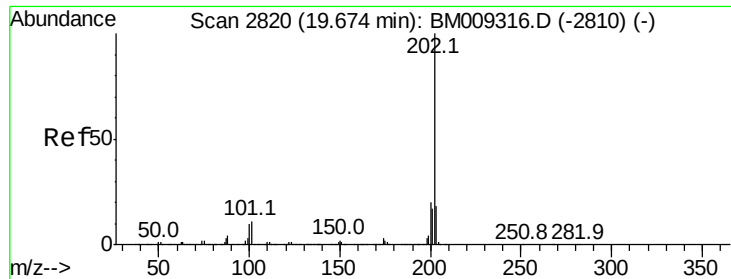


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

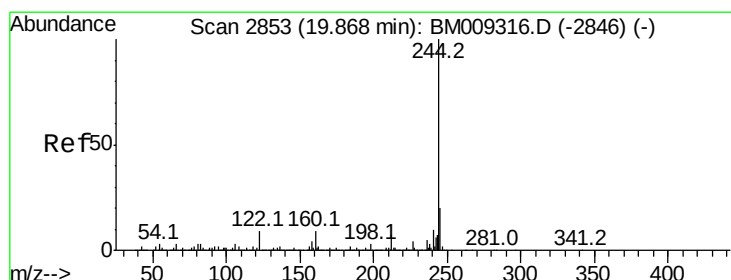
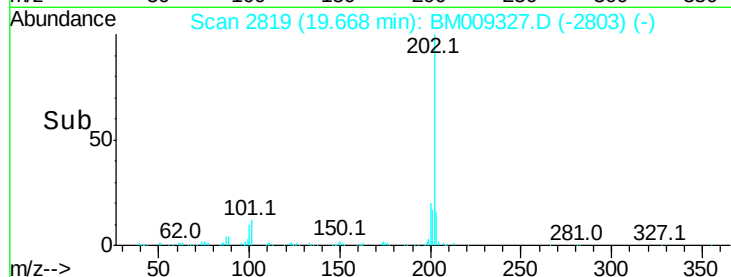
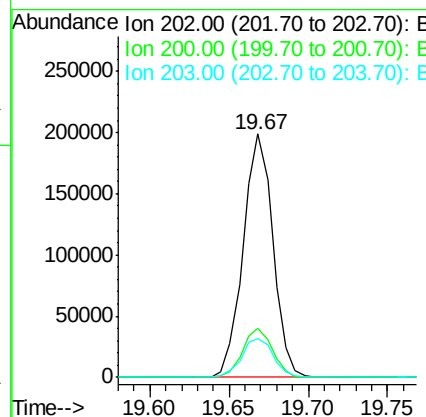
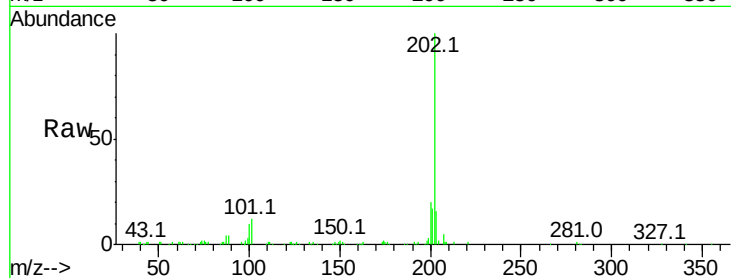




#77
Pvrene
Concen: 4.91 ng
RT: 19.67 min Scan# 2819
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

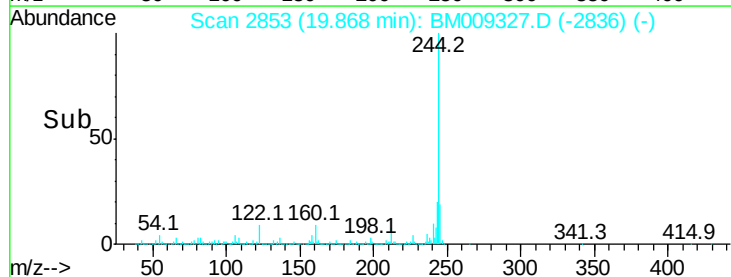
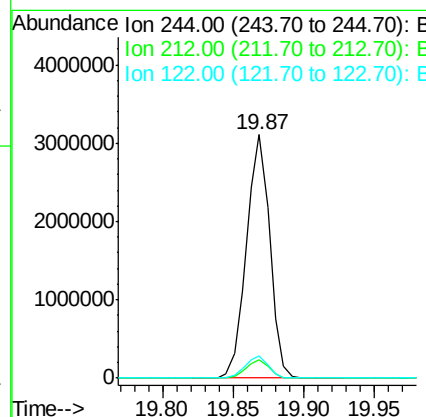
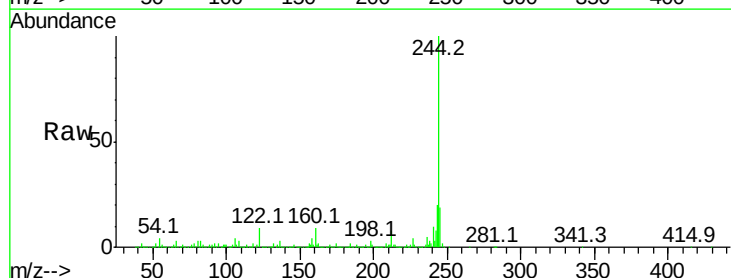
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

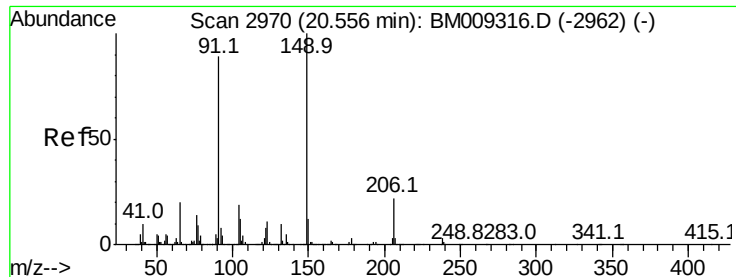
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.9	25.3
203	15.8	14.1	21.1



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

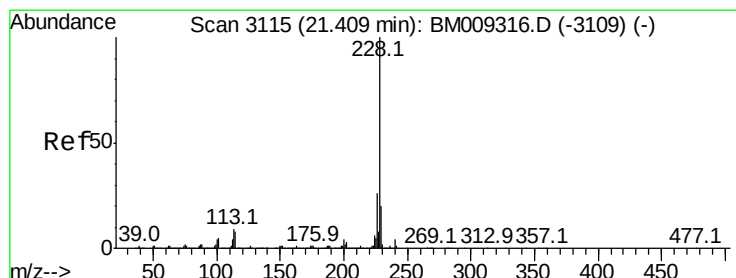
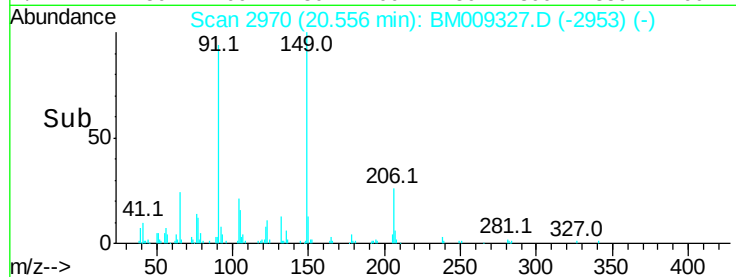
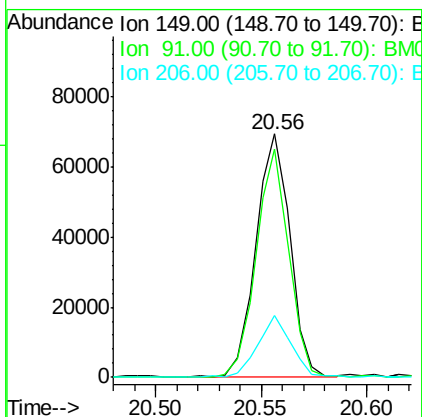
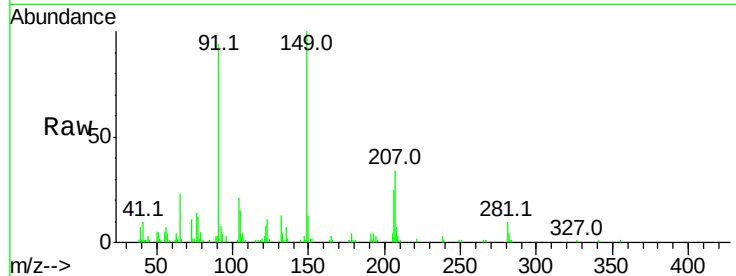




#79
Butylbenzylphthalate
Concen: 4.12 ng
RT: 20.56 min Scan# 2970
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

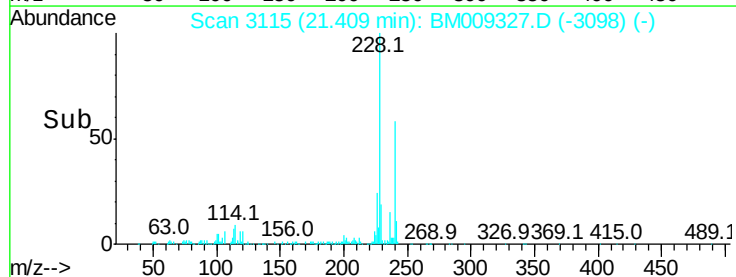
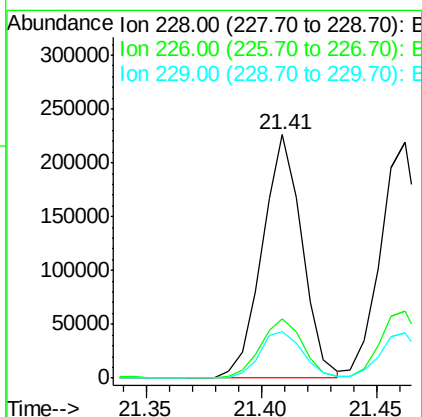
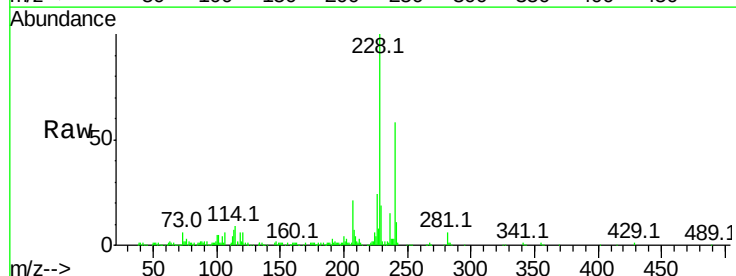
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

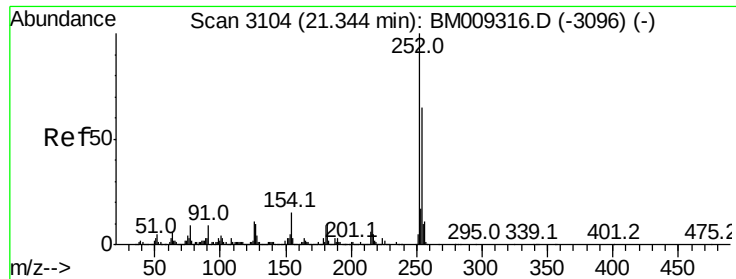
Tot Ion	Ratio	Lower	Upper
149	100		
91	93.5	50.1	75.1#
206	25.4	16.2	24.2#



#80
Benzo(a)anthracene
Concen: 4.99 ng
RT: 21.41 min Scan# 3115
Delta R.T. 0.00 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.2	21.7	32.5
229	19.0	16.0	24.0

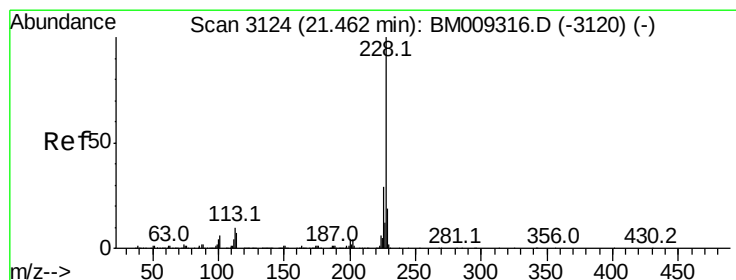
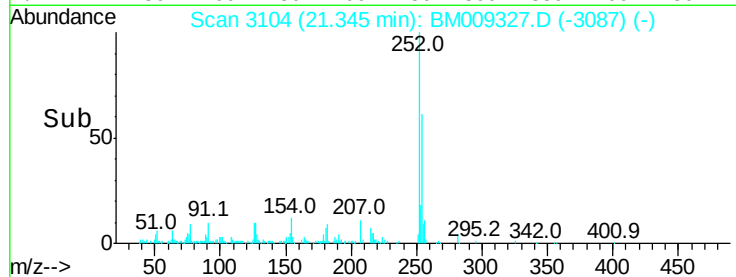
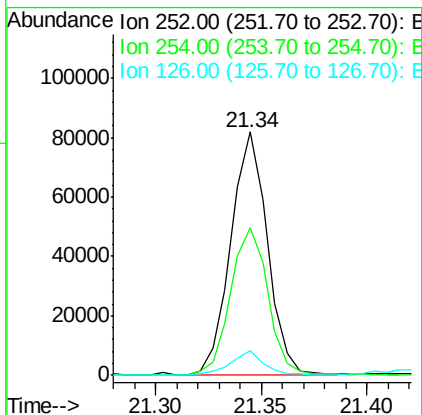
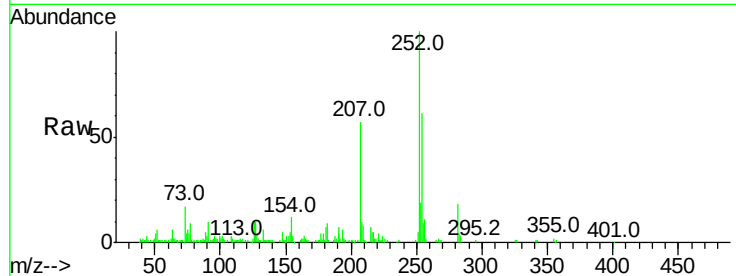




#81
 3,3'-Dichlorobenzidine
 Concen: 4.85 ng
 RT: 21.34 min Scan# 3104
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

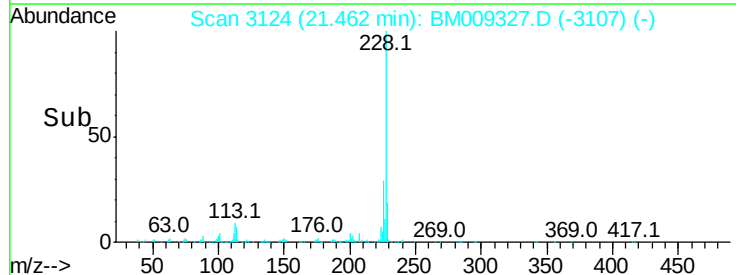
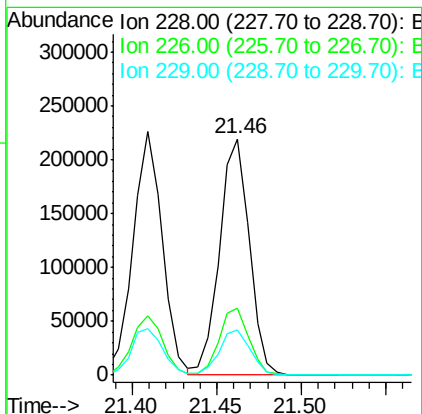
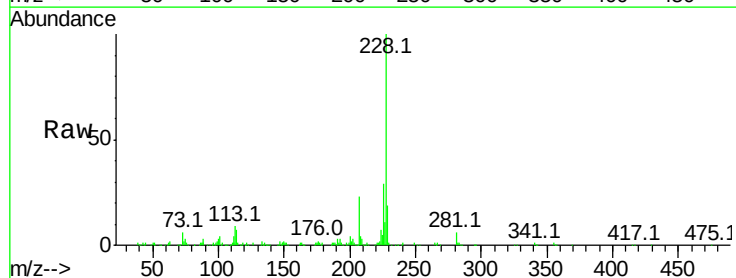
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

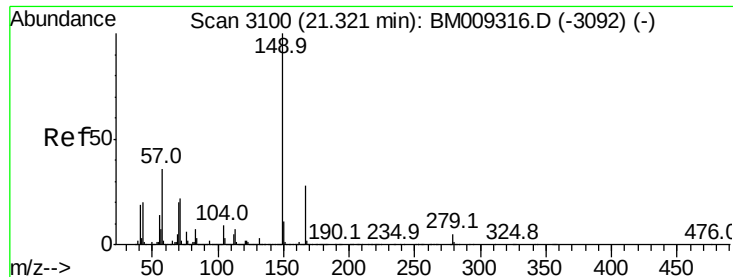
Tot Ion	Ratio	Lower	Upper
252	100		
254	60.6	51.9	77.9
126	10.2	9.8	14.8



#82
 Chrysene
 Concen: 5.23 ng
 RT: 21.46 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: BM009327.D
 Acq: 22 Mar 2017 20:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.1	36.1
229	18.9	15.5	23.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.06 ng

RT: 21.32 min Scan# 3100

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

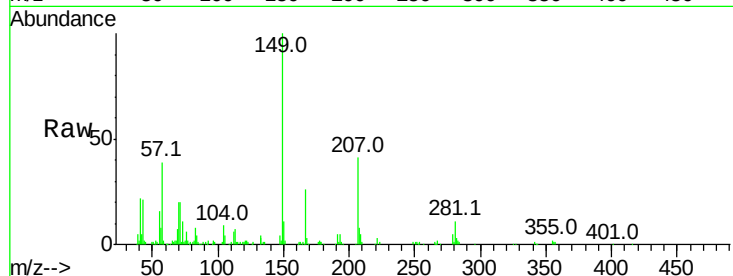
Tot Ion:149 Resp: 114771

Ion Ratio Lower Upper

149 100

167 26.0 22.4 33.6

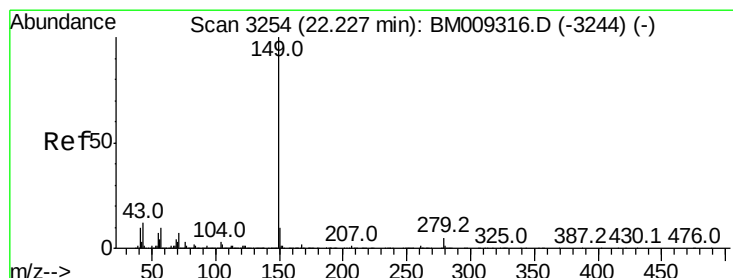
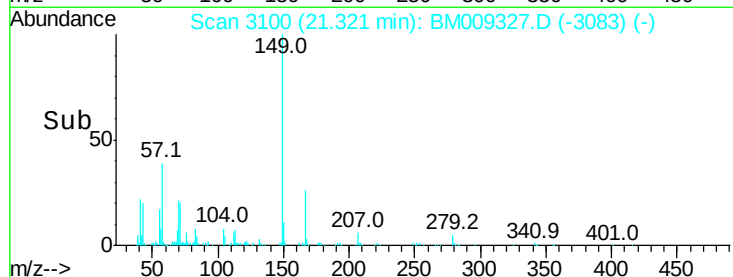
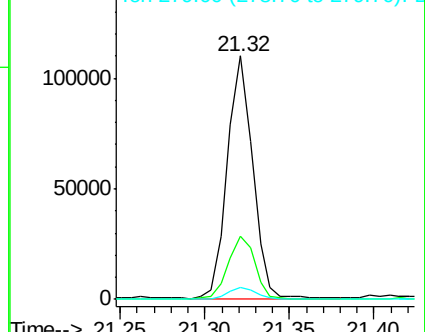
279 4.8 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 4.33 ng

RT: 22.22 min Scan# 3253

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

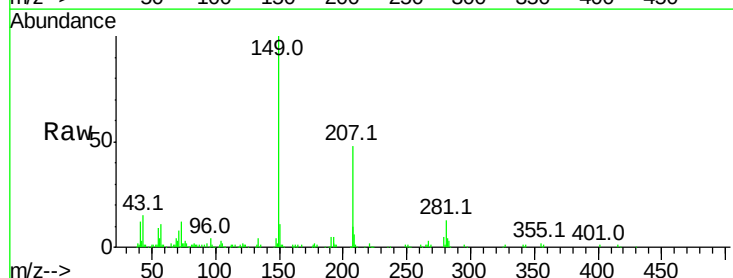
Tgt Ion:149 Resp: 203783

Ion Ratio Lower Upper

149 100

167 2.0 1.2 1.8#

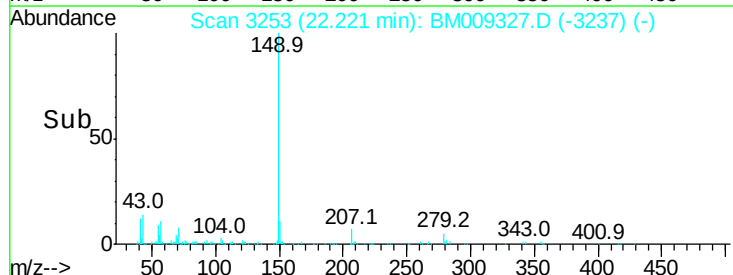
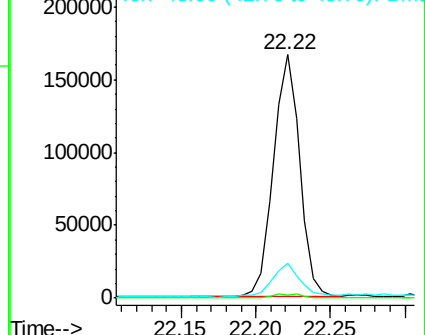
43 15.9 7.3 10.9#

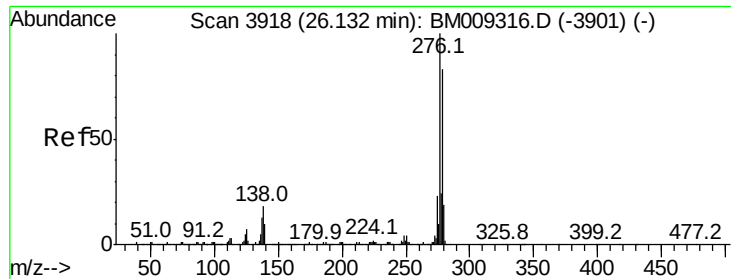


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM

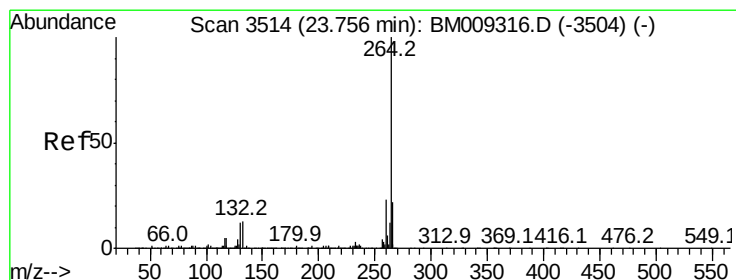
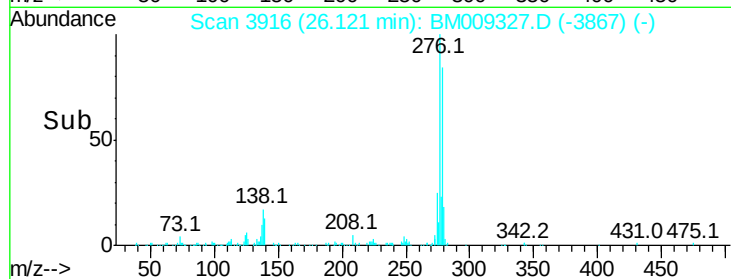
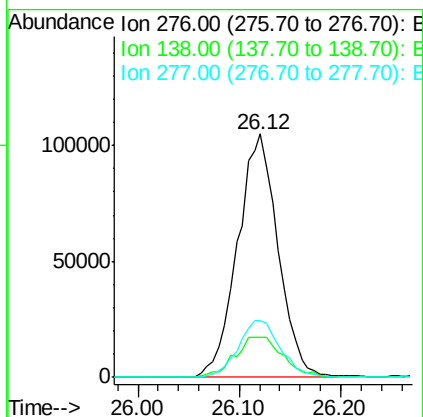
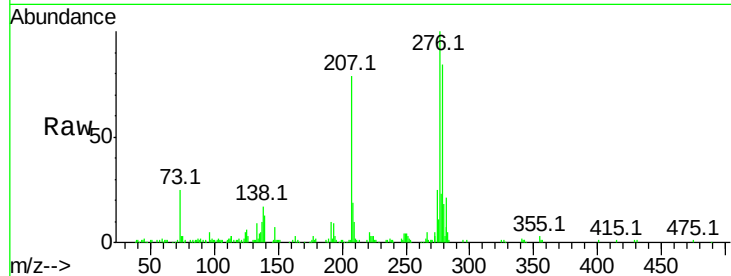




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.16 ng
RT: 26.12 min Scan# 3916
Delta R.T. -0.01 min
Lab File: BM009327.D
Acq: 22 Mar 2017 20:35

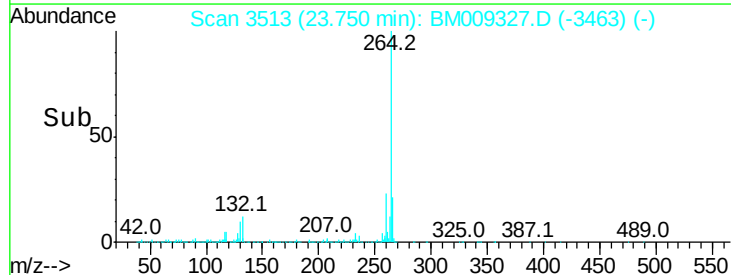
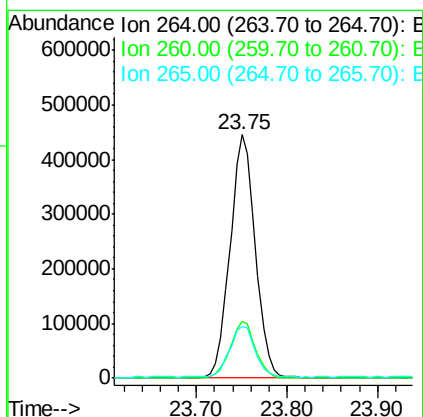
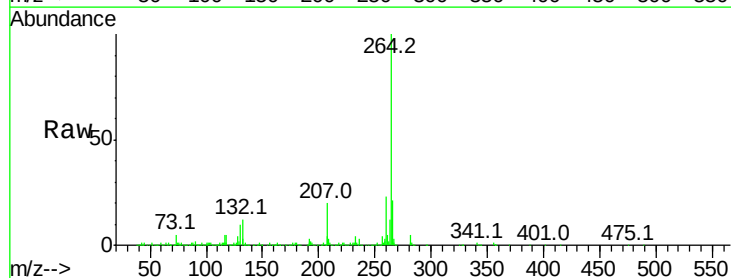
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL-01-QT2-2017

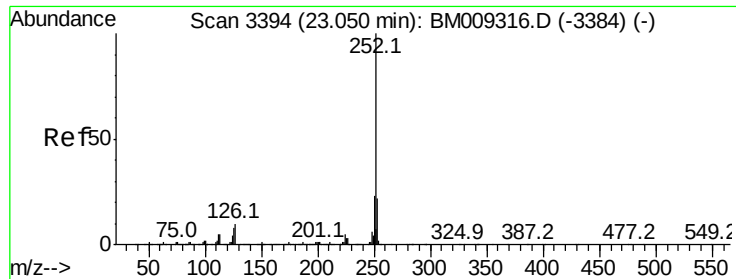
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	0.0	0.0#
277	24.4	0.0	0.0#



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

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





#87

Benzo(b)fluoranthene

Concen: 5.02 ng

RT: 23.04 min Scan# 3393

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

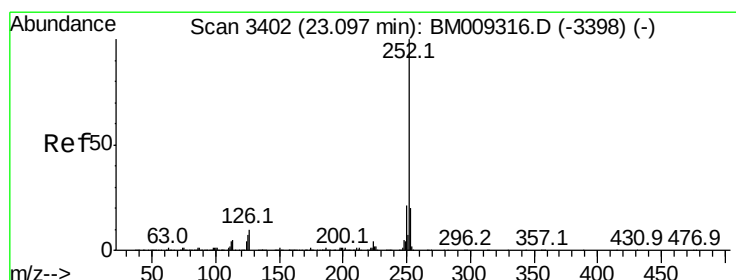
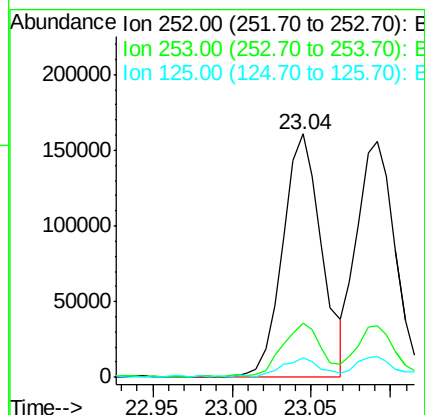
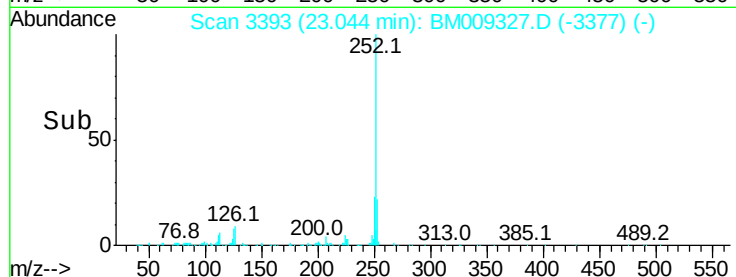
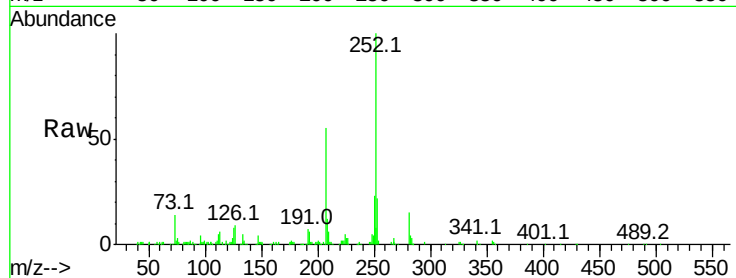
Tot Ion:252 Resp: 275034

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 8.1 9.9 14.9#



#88

Benzo(k)fluoranthene

Concen: 5.03 ng

RT: 23.09 min Scan# 3401

Delta R.T. -0.01 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

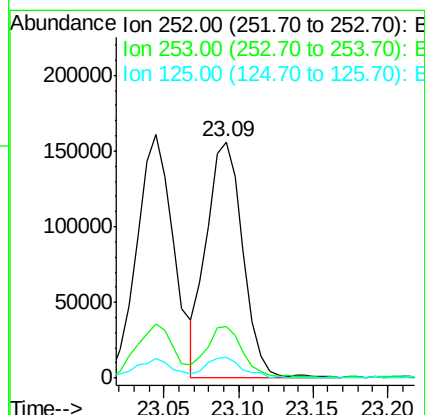
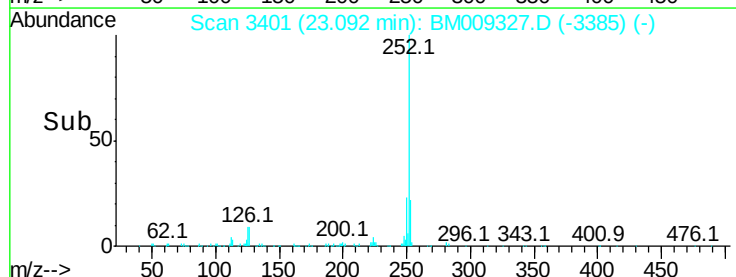
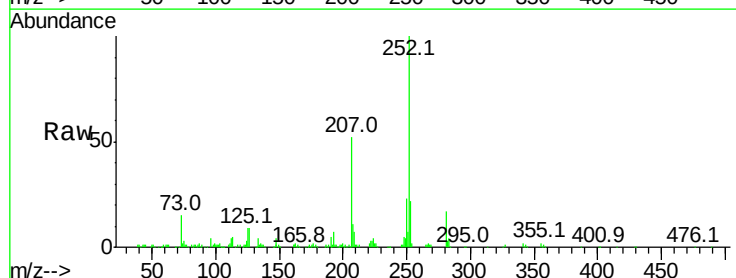
Tgt Ion:252 Resp: 264831

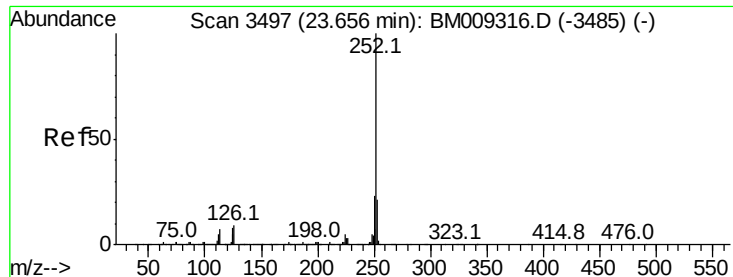
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.0 8.1 12.1





#89

Benzo(a)pyrene

Concen: 4.99 ng

RT: 23.64 min Scan# 3495

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

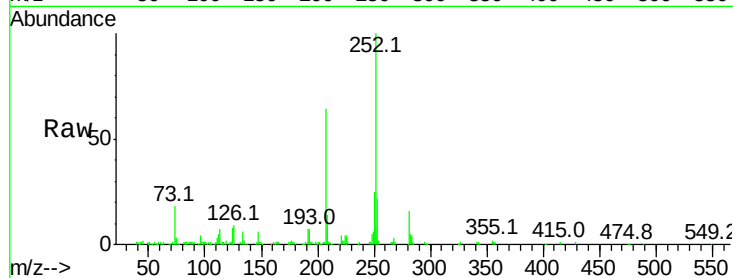
Tot Ion:252 Resp: 253114

Ion Ratio Lower Upper

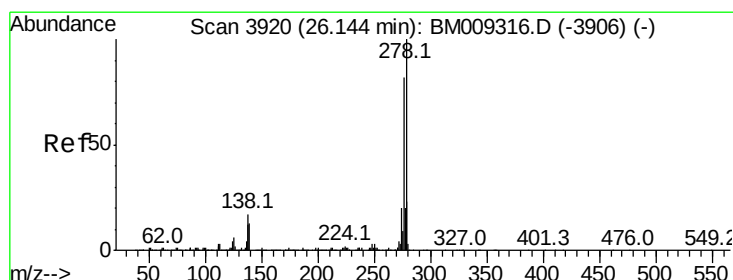
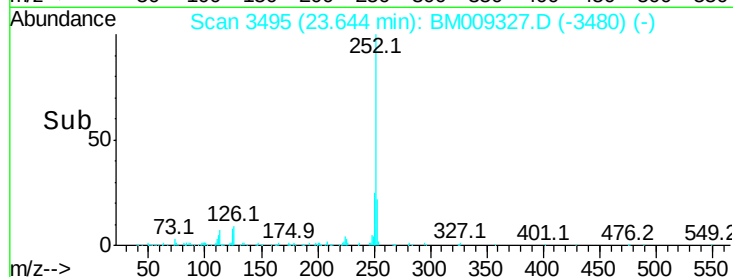
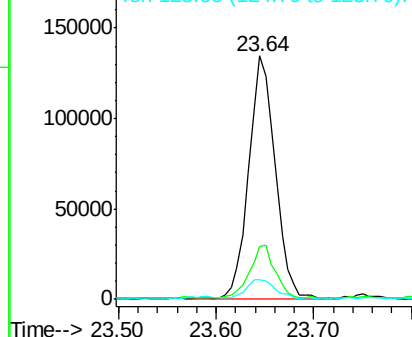
252 100

253 21.5 17.6 26.4

125 8.0 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: 5.14 ng

RT: 26.13 min Scan# 3917

Delta R.T. -0.02 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

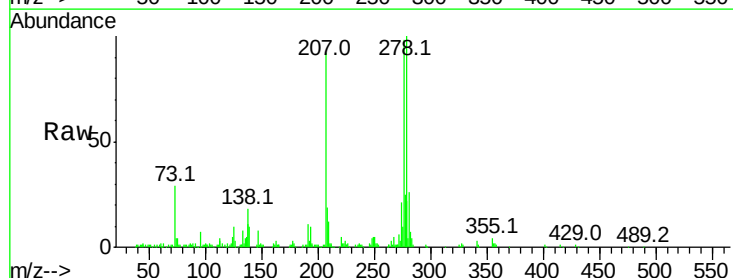
Tgt Ion:278 Resp: 255546

Ion Ratio Lower Upper

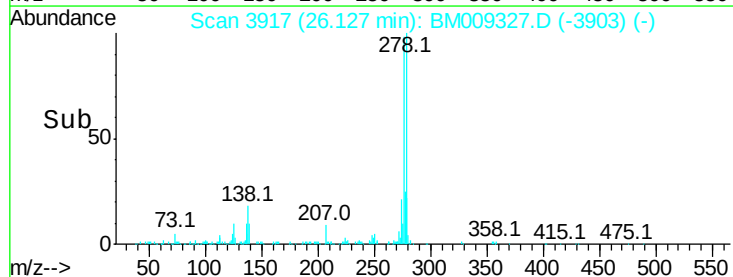
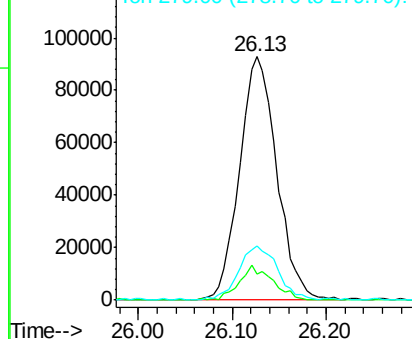
278 100

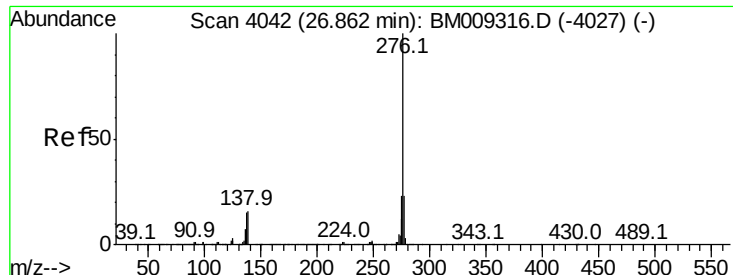
139 10.5 13.4 20.0#

279 22.3 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: 5.15 ng

RT: 26.84 min Scan# 4039

Delta R.T. -0.02 min

Lab File: BM009327.D

Acq: 22 Mar 2017 20:35

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

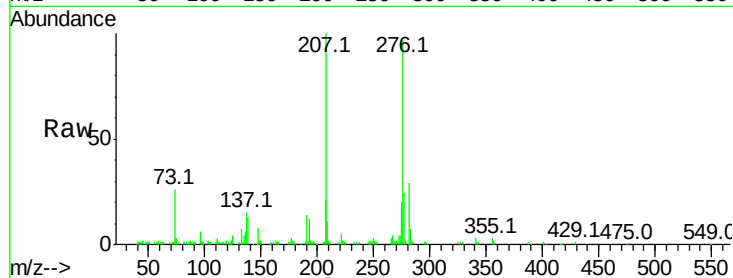
Tot Ion:276 Resp: 249324

Ion Ratio Lower Upper

276 100

277 24.6 18.5 27.7

138 13.4 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

