

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009328.D
 Acq On : 22 Mar 2017 21:11
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 8 PPB
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 23 16:02:33 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

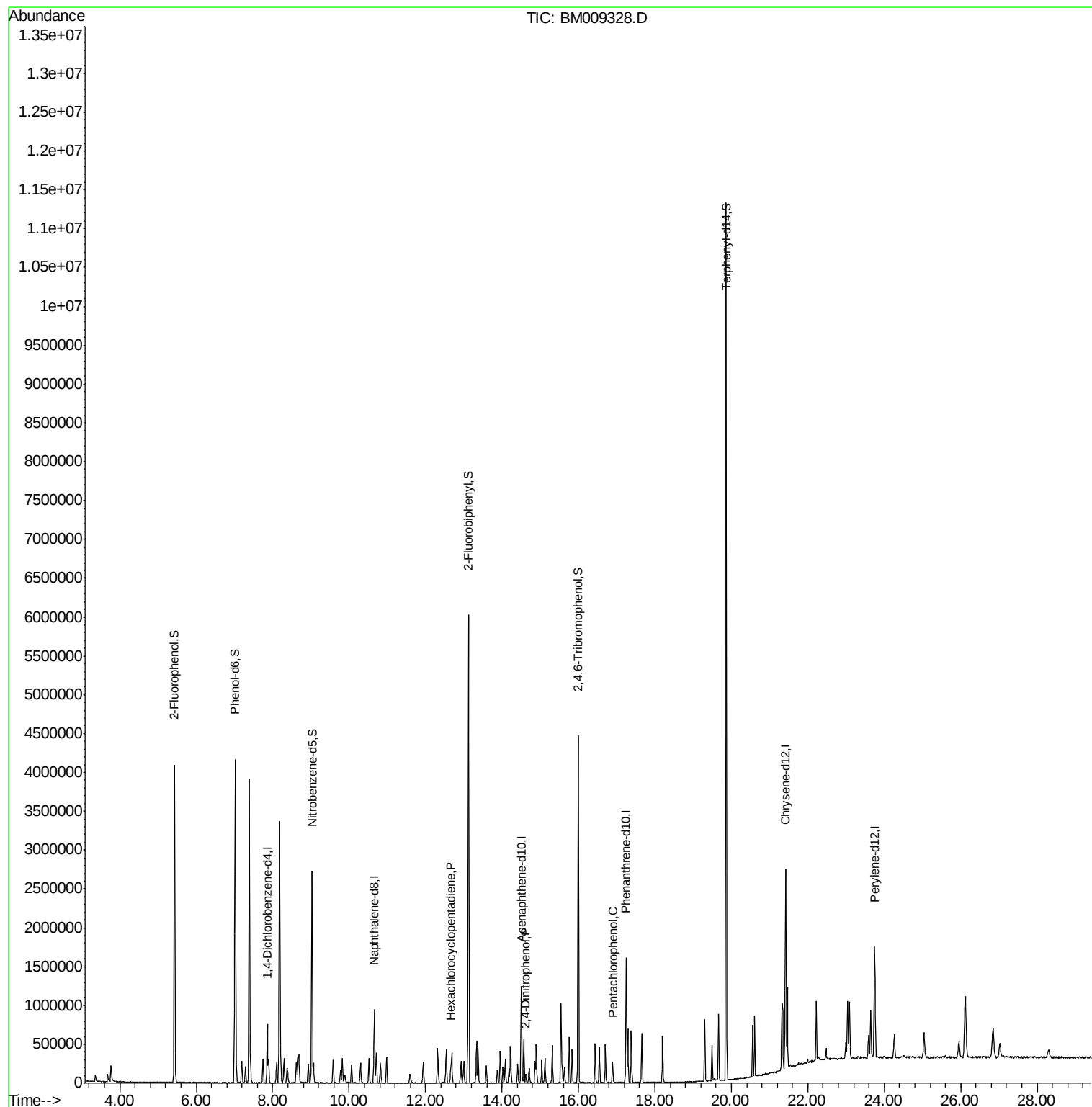
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	167631	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	642565	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	368637	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	859297	20.00	ng	0.00
75) Chrysene-d12	21.43	240	1129268	20.00	ng	0.00
86) Perylene-d12	23.75	264	1061037	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1397052	138.92	ng	0.00
7) Phenol-d6	7.02	99	1869121	136.29	ng	0.00
23) Nitrobenzene-d5	9.03	82	1502974	87.70	ng	0.00
41) 2,4,6-Tribromophenol	16.00	330	668320	145.94	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	2809498	91.83	ng	0.00
78) Terphenyl-d14	19.87	244	4336107	80.24	ng	0.00
Target Compounds						
40) Hexachlorocyclopentadiene	12.66	237	56023	7.01	ng	97
53) 2,4-Dinitrophenol	14.62	184	19757	9.94	ng	92
69) Pentachlorophenol	16.90	266	42658	6.40	ng	95

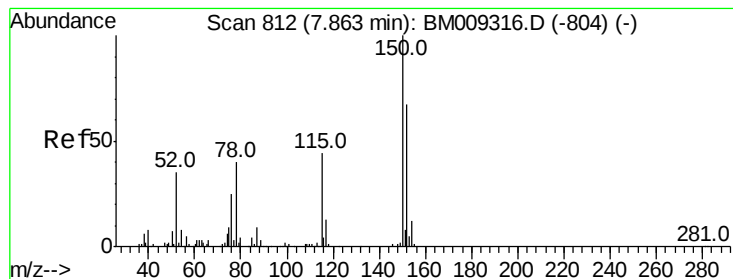
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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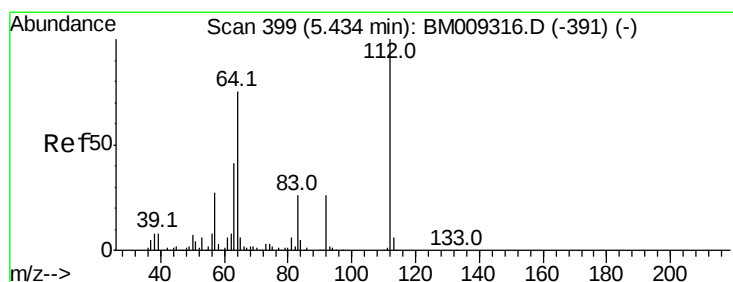
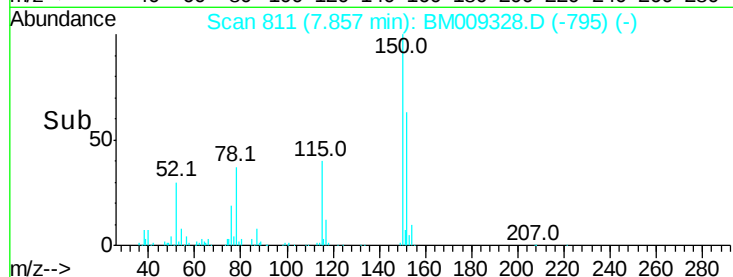
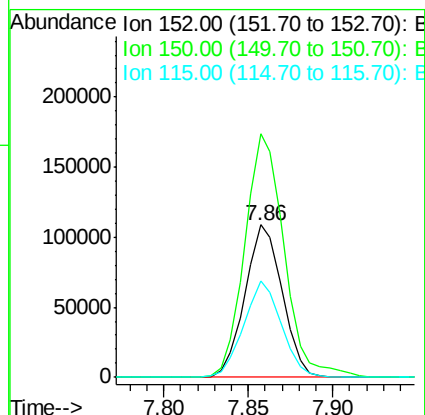
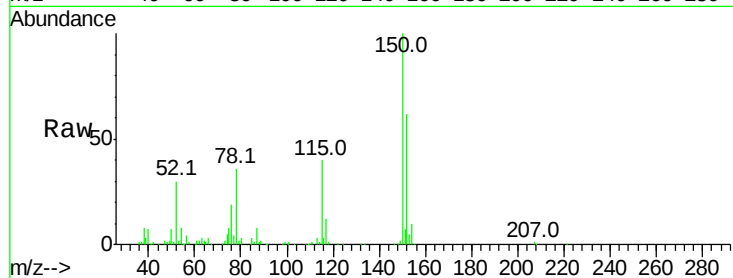


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

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

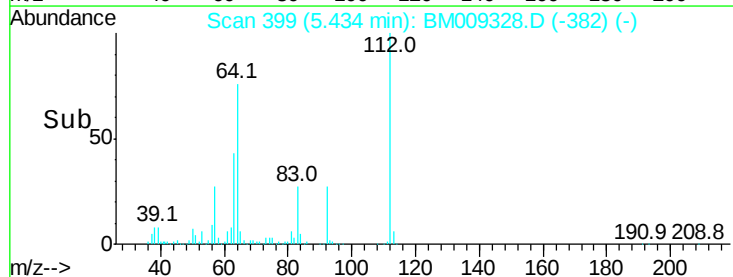
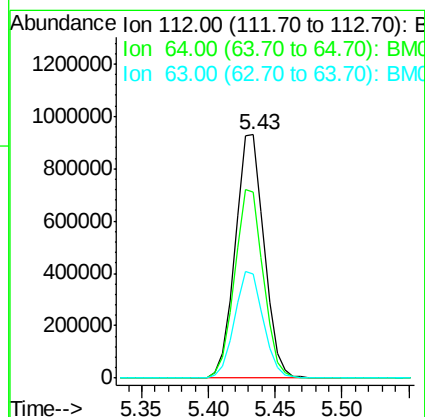
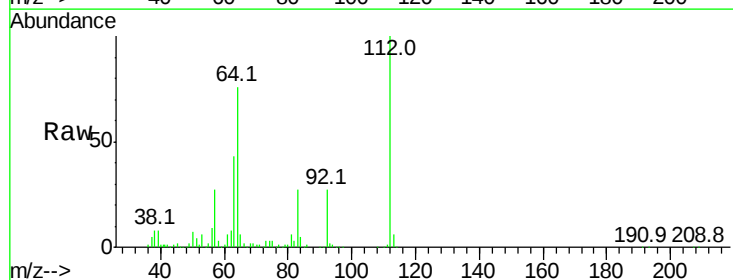
Tot Ion:152 Resp: 167631
Ion Ratio Lower Upper
152 100
150 160.0 119.5 179.3
115 63.8 43.0 64.4

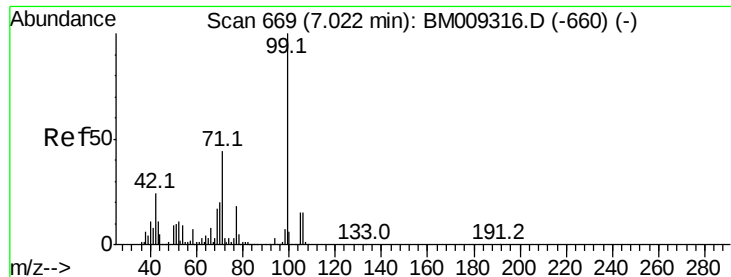


#5

2-Fluorophenol
Concen: 138.92 ng
RT: 5.43 min Scan# 399
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:112 Resp: 1397052
Ion Ratio Lower Upper
112 100
64 76.3 38.6 57.8#
63 43.0 19.3 28.9#





#7

Phenol-d6

Concen: 136.29 ng

RT: 7.02 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

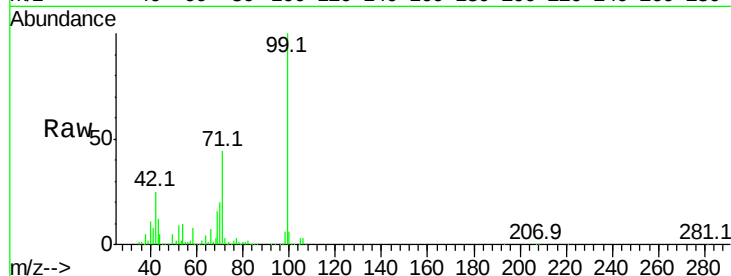
Tot Ion: 99 Resp: 1869121

Ion Ratio Lower Upper

99 100

42 25.1 11.0 16.4#

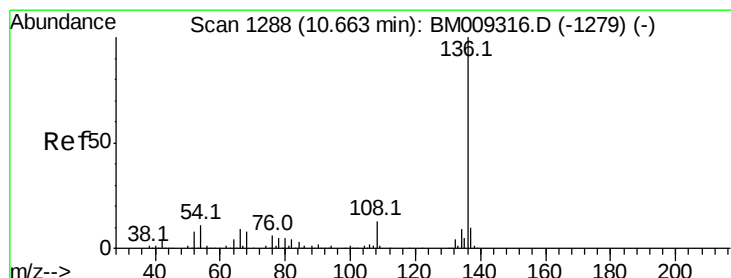
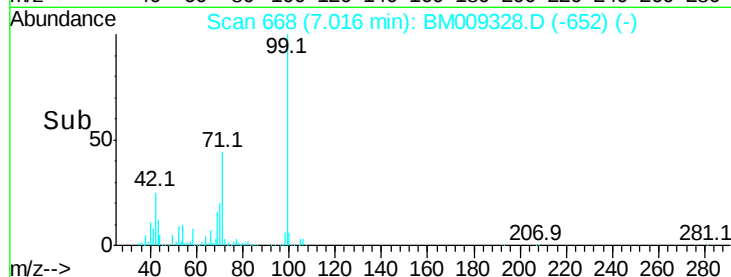
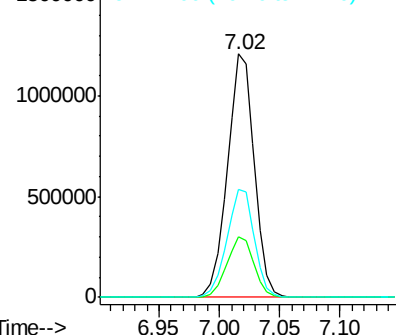
71 44.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM009316.D (-660) (-)

Ion 42.00 (41.70 to 42.70): BM009316.D (-660) (-)

Ion 71.00 (70.70 to 71.70): BM009316.D (-660) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Tgt Ion: 136 Resp: 642565

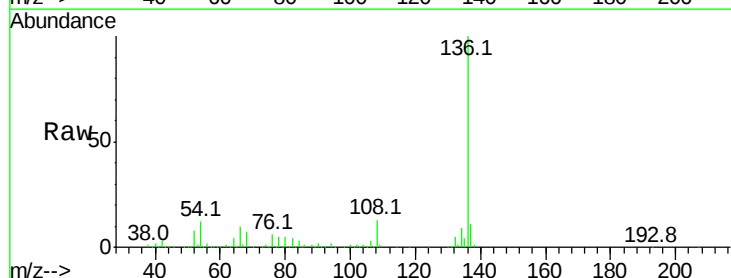
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 12.4 4.6 6.8#

68 7.1 3.7 5.5#

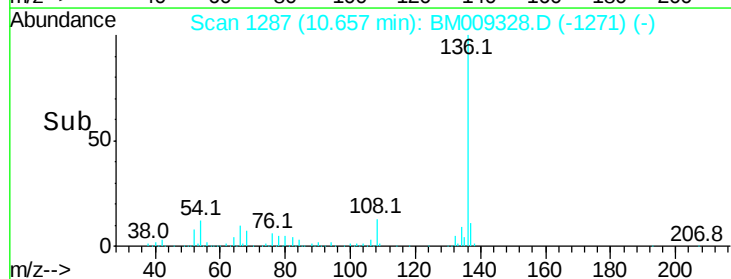
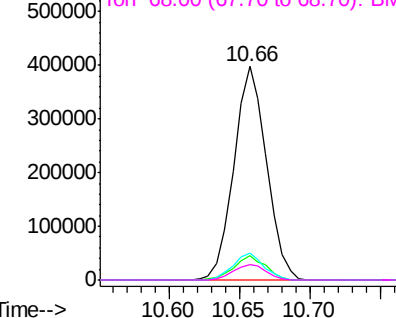


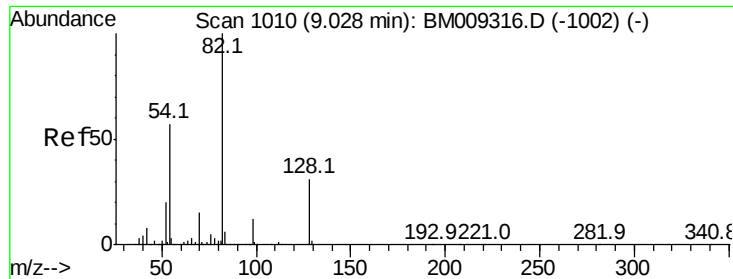
Abundance Ion 136.00 (135.70 to 136.70): BM009316.D (-1279) (-)

Ion 137.00 (136.70 to 137.70): BM009316.D (-1279) (-)

Ion 54.00 (53.70 to 54.70): BM009316.D (-1279) (-)

Ion 68.00 (67.70 to 68.70): BM009316.D (-1279) (-)

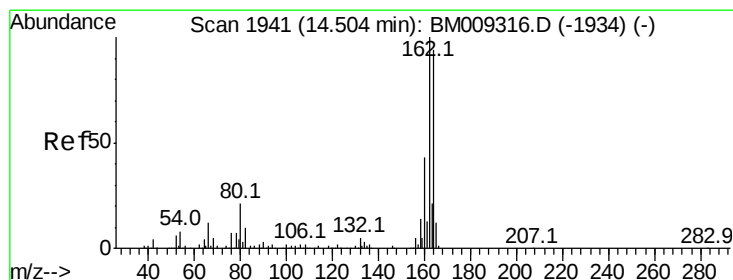
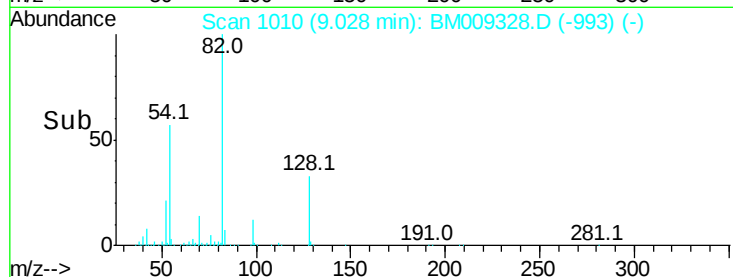
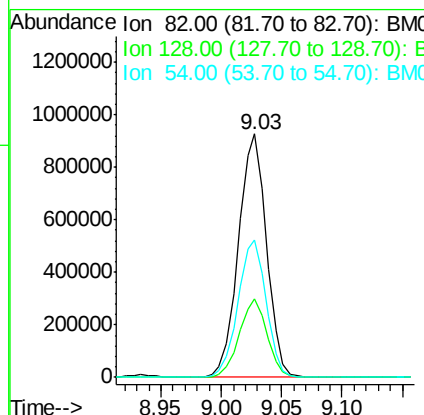
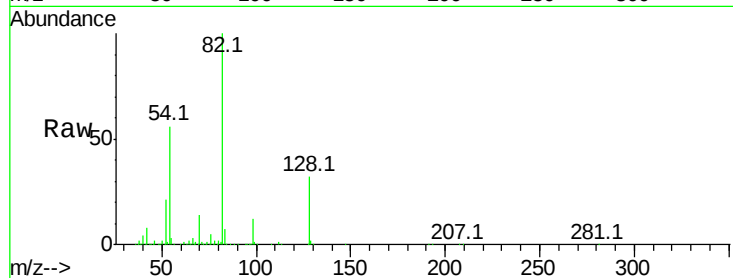




#23
 Nitrobenzene-d5
 Concen: 87.70 ng
 RT: 9.03 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: BM009328.D
 Acq: 22 Mar 2017 21:11

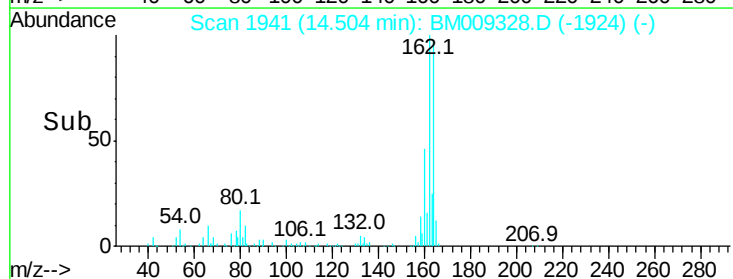
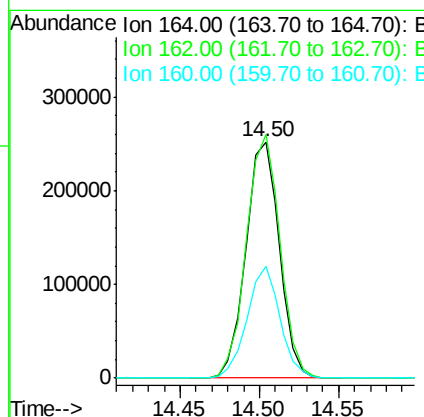
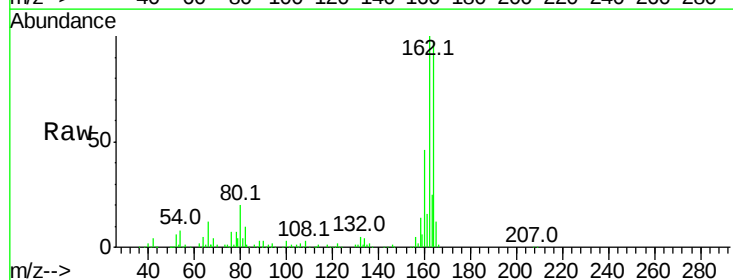
Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

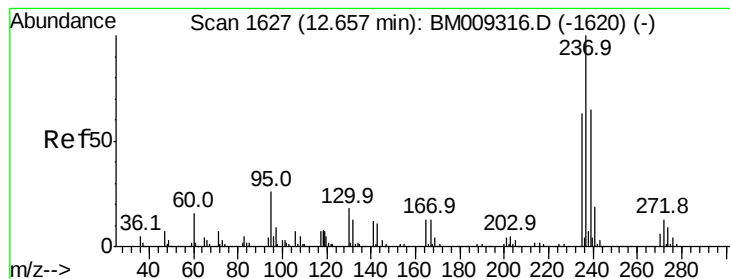
Tot Ion: 82 Resp: 1502974
 Ion Ratio Lower Upper
 82 100
 128 32.2 32.8 49.2#
 54 56.2 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.50 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: BM009328.D
 Acq: 22 Mar 2017 21:11

Tgt Ion:164 Resp: 368637
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.4 123.6
 160 47.3 35.8 53.6





#40

Hexachlorocyclopentadiene

Concen: 7.01 ng

RT: 12.66 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

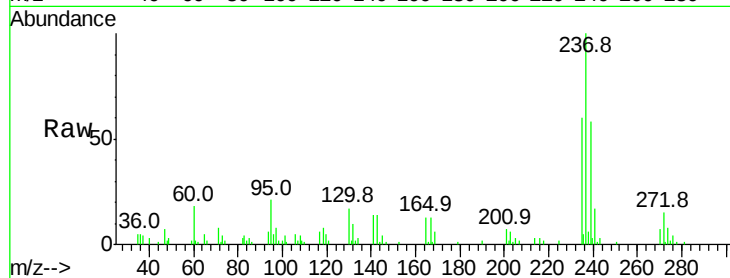
Tot Ion:237 Resp: 56023

Ion Ratio Lower Upper

237 100

235 59.9 42.0 82.0

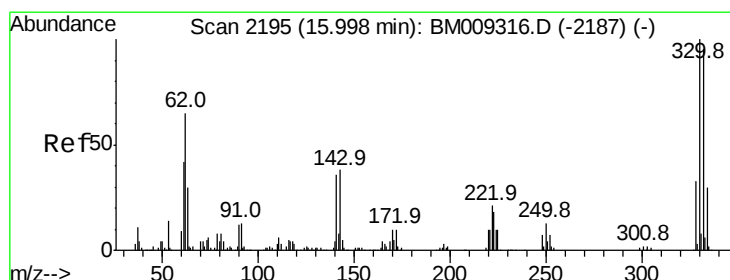
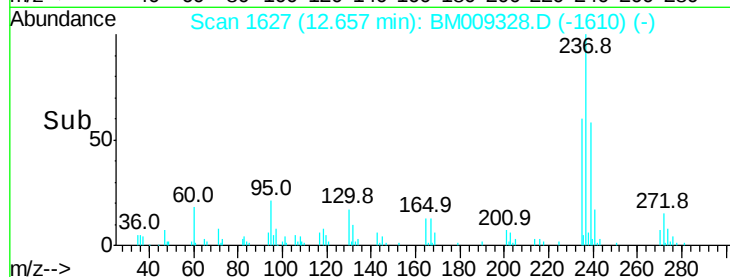
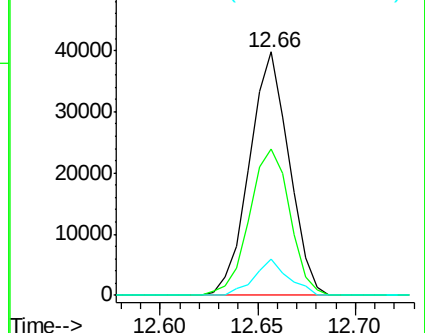
272 14.7 0.0 33.4



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 145.94 ng

RT: 16.00 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

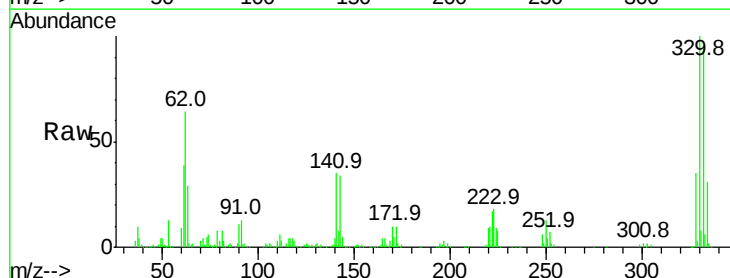
Tgt Ion:330 Resp: 668320

Ion Ratio Lower Upper

330 100

332 96.7 0.0 0.0#

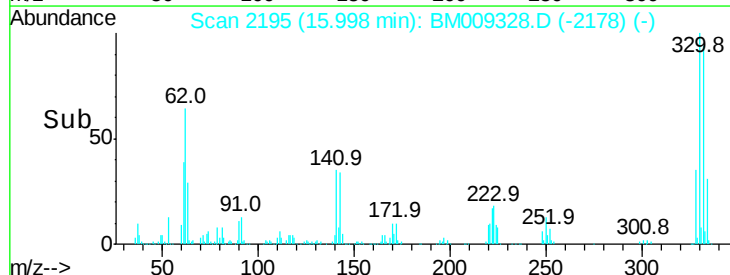
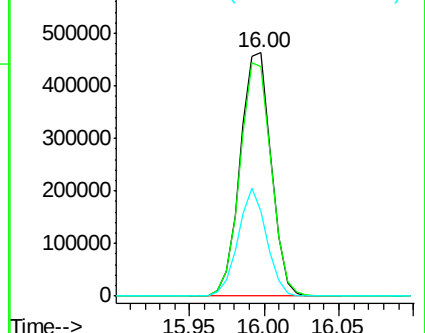
141 40.9 0.0 0.0#

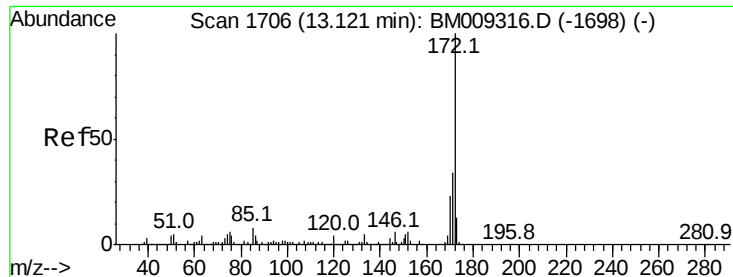


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

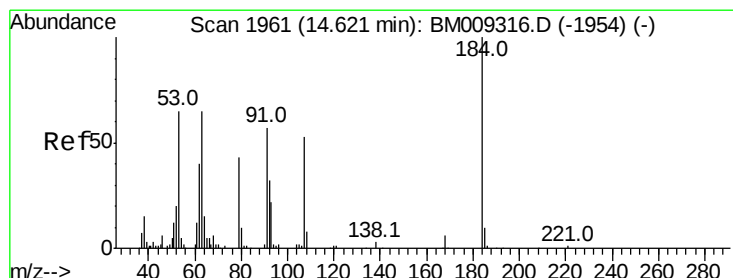
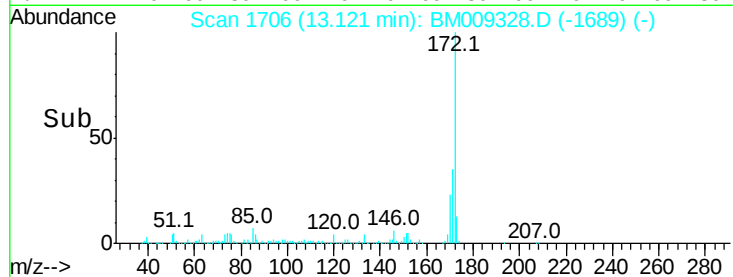
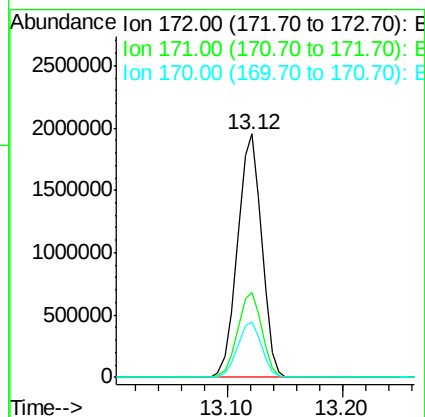
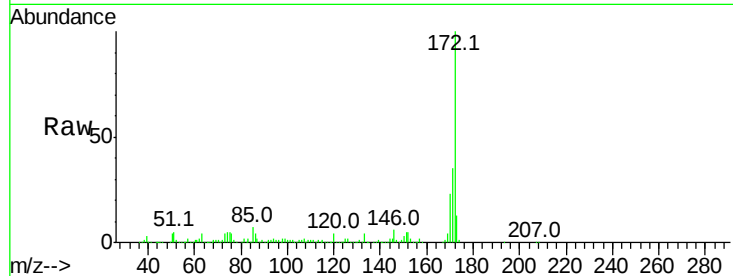




#44
2-Fluorobiphenyl
Concen: 91.83 ng
RT: 13.12 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

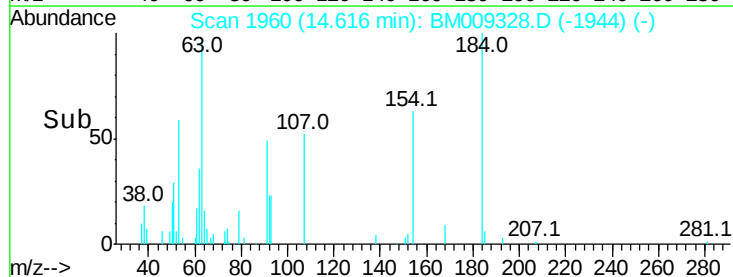
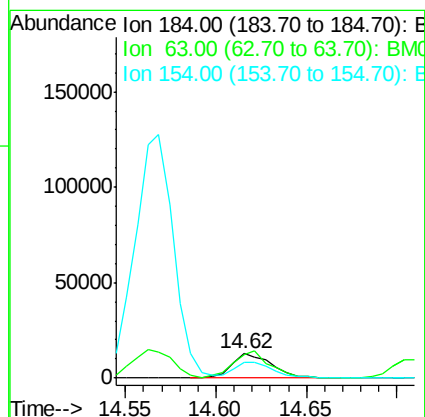
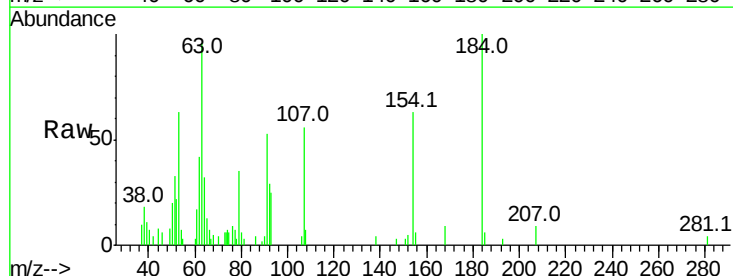
Instrument :
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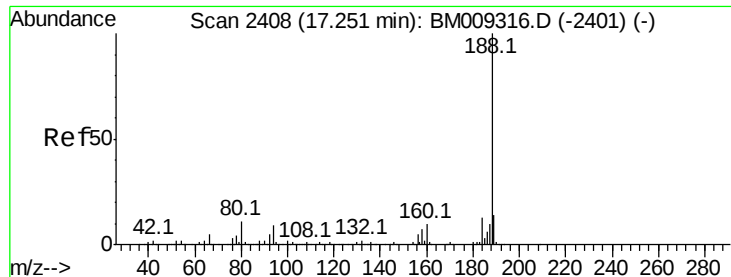
Tot Ion:172 Resp: 2809498
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 22.6 18.8 28.2



#53
2,4-Dinitrophenol
Concen: 9.94 ng
RT: 14.62 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

Tgt Ion:184 Resp: 19757
Ion Ratio Lower Upper
184 100
63 96.4 69.2 103.8
154 63.2 53.3 79.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.25 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL-01-QT2-2017

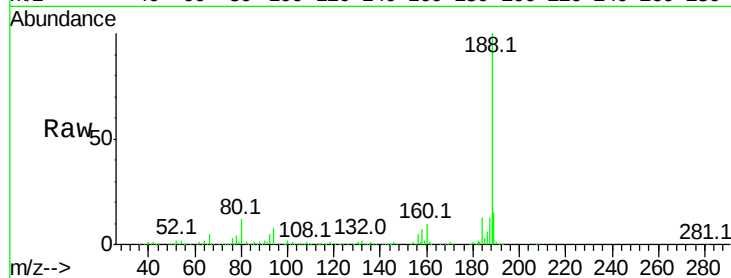
Tot Ion:188 Resp: 859297

Ion Ratio Lower Upper

188 100

94 8.4 8.7 13.1#

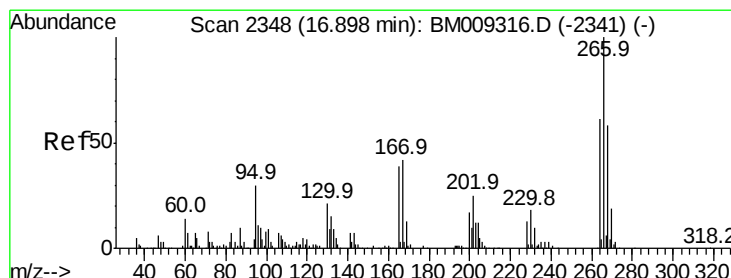
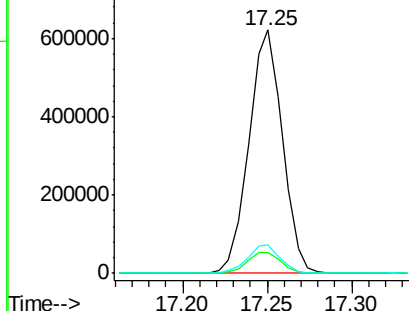
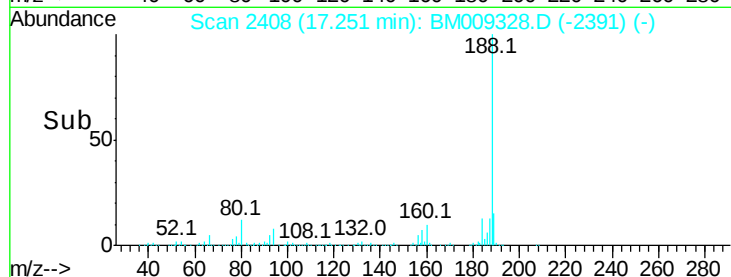
80 11.5 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#69

Pentachlorophenol

Concen: 6.40 ng

RT: 16.90 min Scan# 2348

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

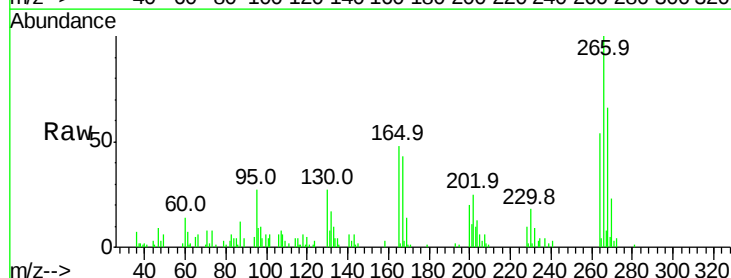
Tgt Ion:266 Resp: 42658

Ion Ratio Lower Upper

266 100

268 65.9 52.0 78.0

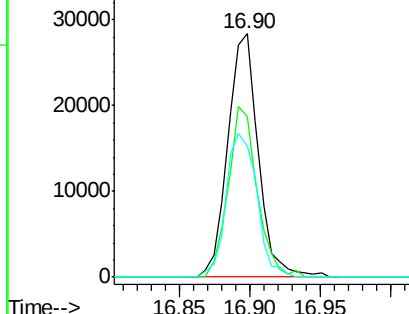
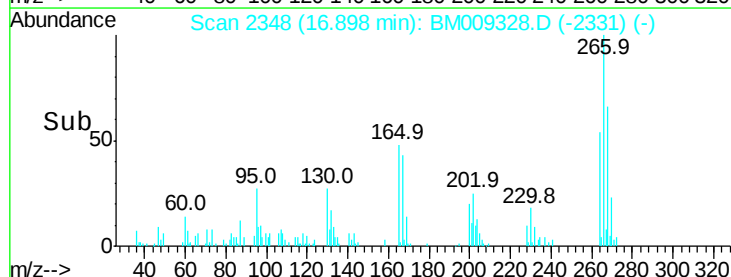
264 53.9 49.0 73.4

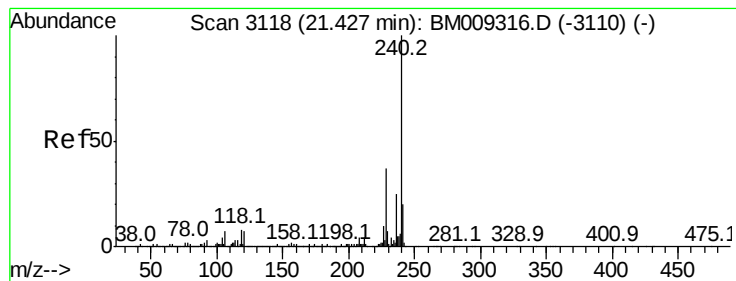


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.43 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM009328.D

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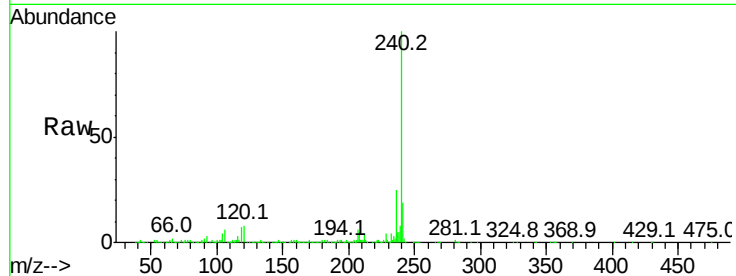
Tot Ion:240 Resp: 1129268

Ion Ratio Lower Upper

240 100

120 7.7 8.2 12.2#

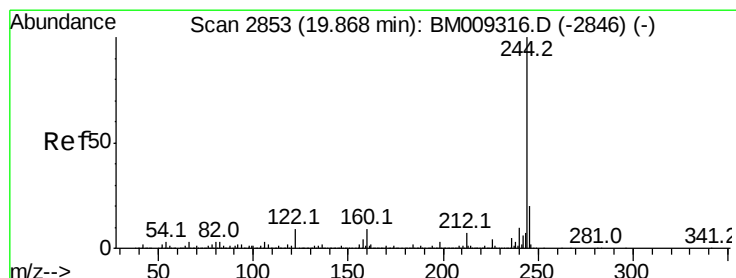
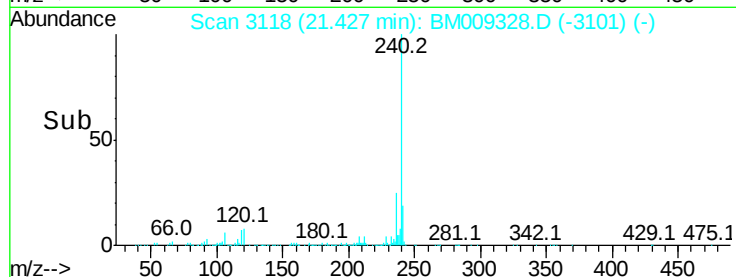
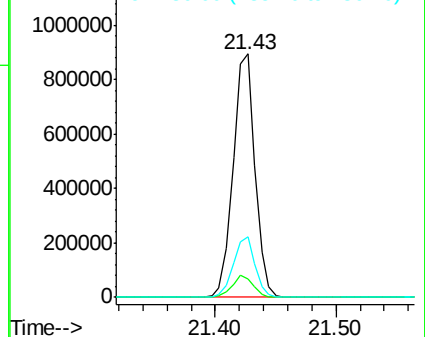
236 24.7 20.0 30.0



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



#78

Terphenyl-d14

Concen: 80.24 ng

RT: 19.87 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BM009328.D

Acq: 22 Mar 2017 21:11

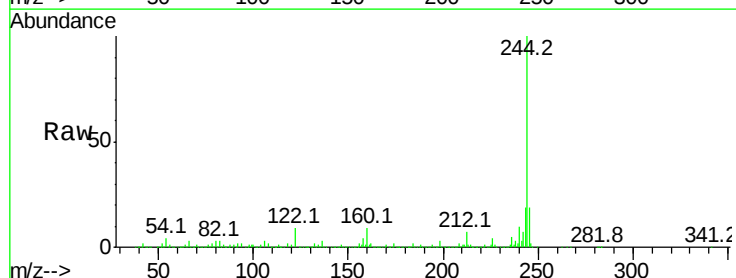
Tgt Ion:244 Resp: 4336107

Ion Ratio Lower Upper

244 100

212 7.4 4.9 7.3#

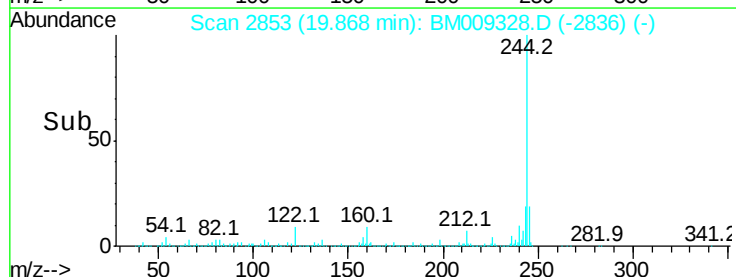
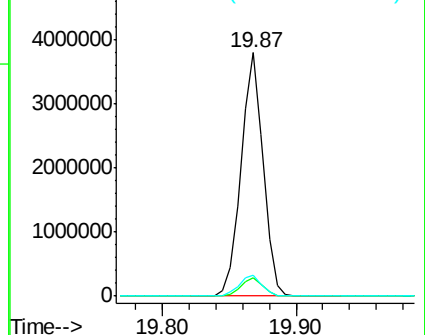
122 8.7 6.2 9.4

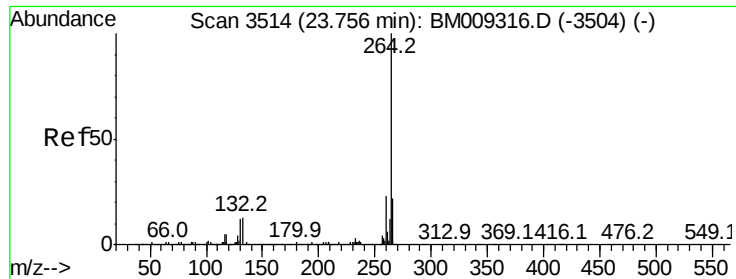


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



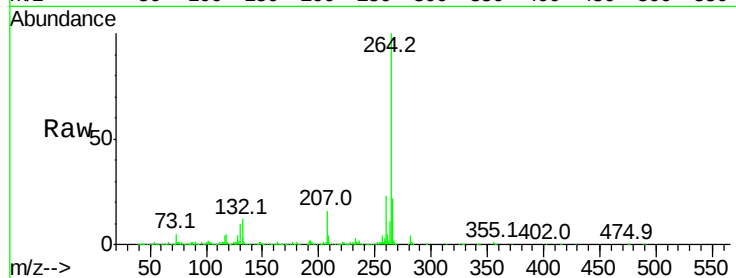


#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM009328.D
Acq: 22 Mar 2017 21:11

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

Tot Ion:264 Resp: 1061037

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	22.0	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

