

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\
 Data File : BM016465.D
 Acq On : 18 Aug 2018 09:50
 Operator : SJ/JU
 Sample : J4516-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ND-SOIL

Quant Time: Aug 20 01:42:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 17 16:27:00 2018
 Response via : Initial Calibration

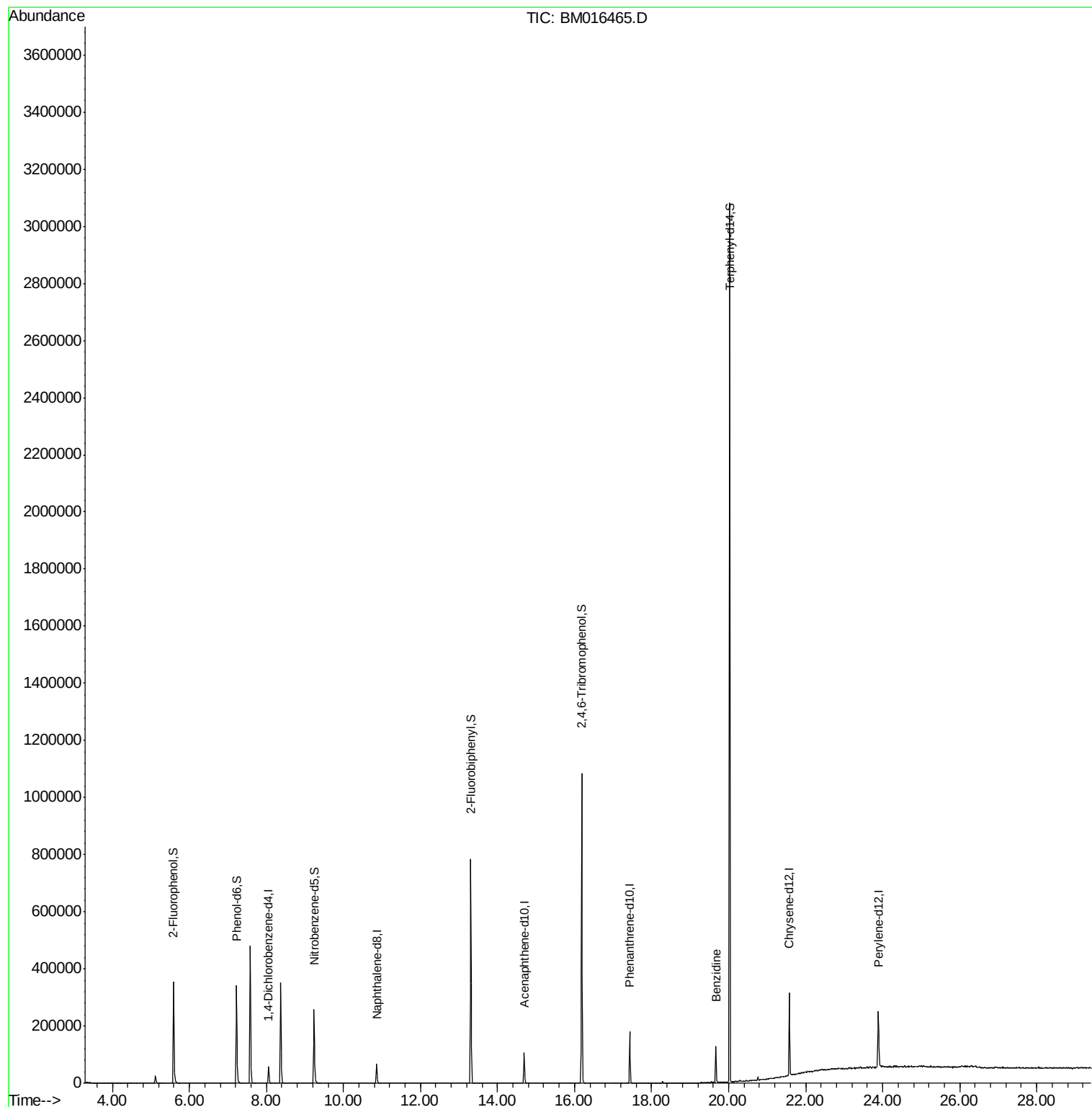
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	12321	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	43515	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	28017	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	80441	20.00	ng	-0.01
75) Chrysene-d12	21.58	240	117119	20.00	ng	0.00
86) Perylene-d12	23.89	264	130501	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	100182	136.65	ng	0.00
7) Phenol-d6	7.23	99	111875	113.53	ng	0.00
23) Nitrobenzene-d5	9.24	82	115023	110.09	ng	0.00
41) 2,4,6-Tribromophenol	16.19	330	92378	218.31	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	268693	99.72	ng	-0.01
78) Terphenyl-d14	20.03	244	906979	117.05	ng	0.00
Target Compounds						
76) Benzidine	19.67	184	56297	21.840	ng	Qvalue 96

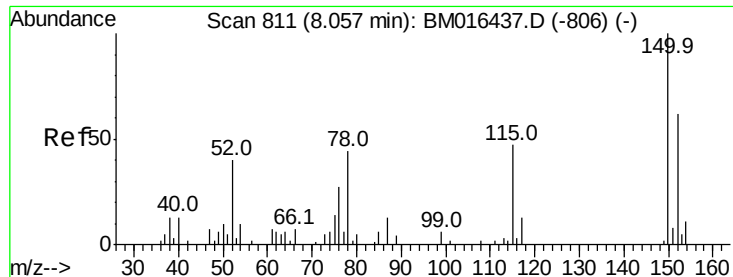
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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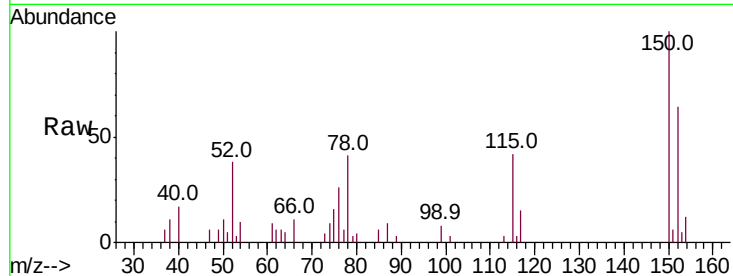


#1

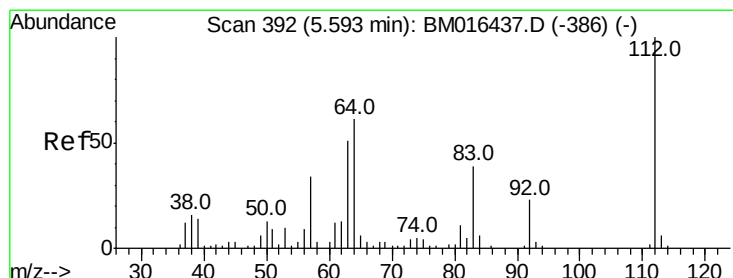
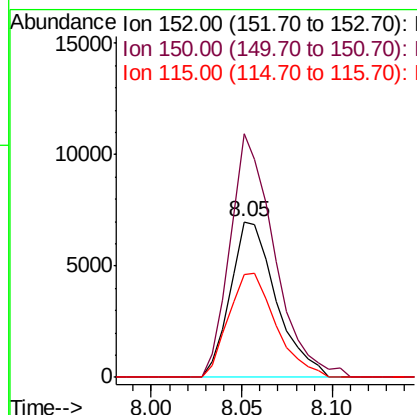
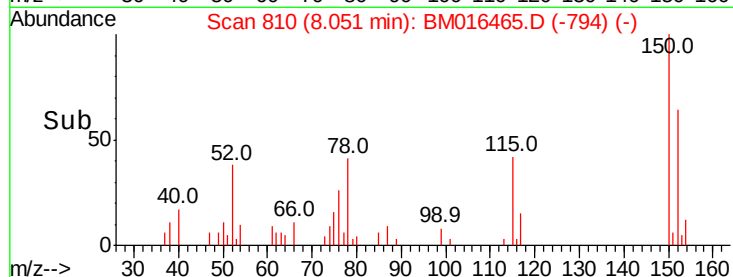
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. -0.01 min
Lab File: BM016465.D
Acq: 18 Aug 2018 09:50

Instrument :
BNA_M
ClientSampled :
ND-SOIL

Tot Ion:152 Resp: 12321
Ion Ratio Lower Upper
152 100
150 156.5 119.5 179.3
115 66.0 43.0 64.4#



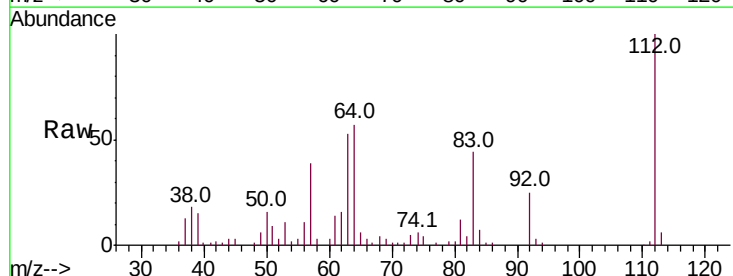
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



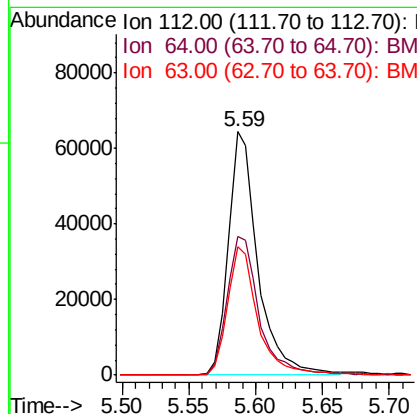
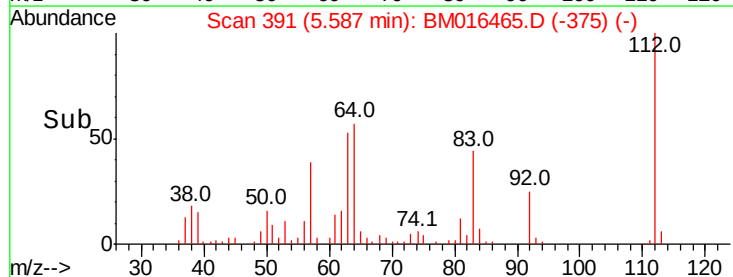
#5

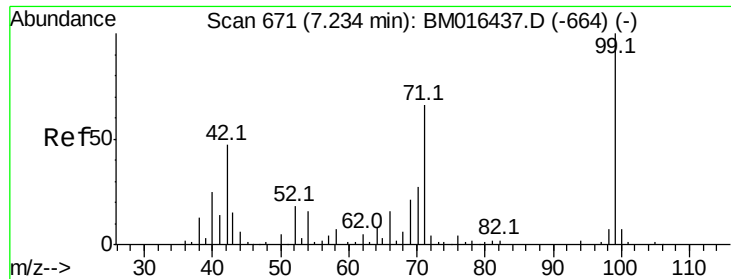
2-Fluorophenol
Concen: N.D. ng
RT: 5.59 min Scan# 391
Delta R.T. -0.01 min
Lab File: BM016465.D
Acq: 18 Aug 2018 09:50

Tgt Ion:112 Resp: 100182
Ion Ratio Lower Upper
112 100
64 57.2 38.6 57.8
63 52.6 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





#7

Phenol-d6

Concen: N.D. ng

RT: 7.23 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM016465.D

Acq: 18 Aug 2018 09:50

Instrument :

BNA_M

ClientSampled :

ND-SOIL

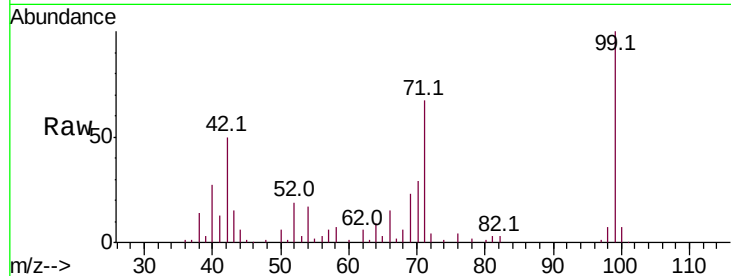
Tot Ion: 99 Resp: 111875

Ion Ratio Lower Upper

99 100

42 49.6 11.0 16.4#

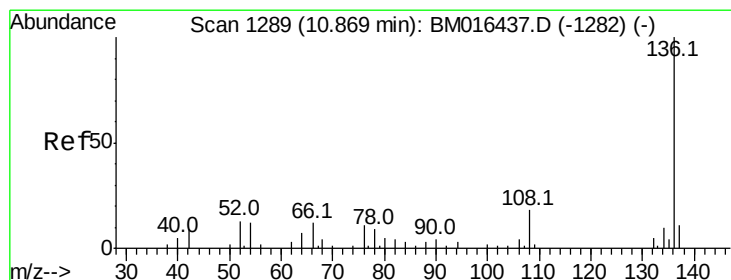
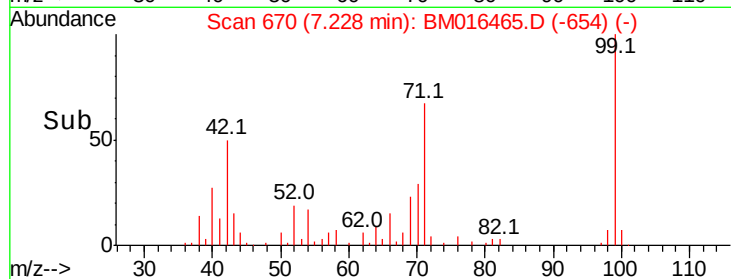
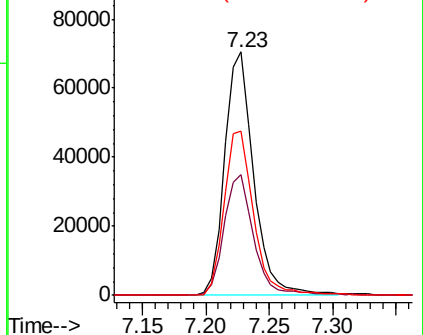
71 67.2 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016437.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM016437.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM016437.D (-664) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BM016465.D

Acq: 18 Aug 2018 09:50

Tgt Ion: 136 Resp: 43515

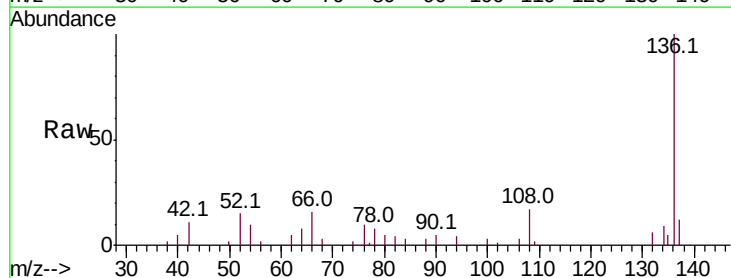
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 9.9 4.6 6.8#

68 3.2 3.7 5.5#

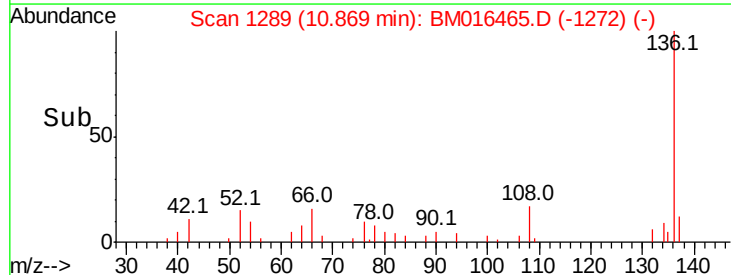
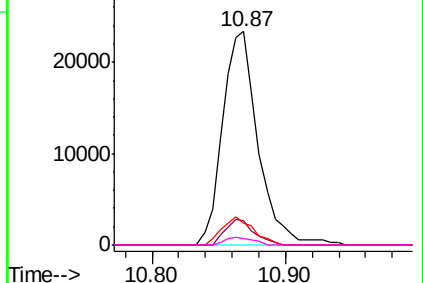


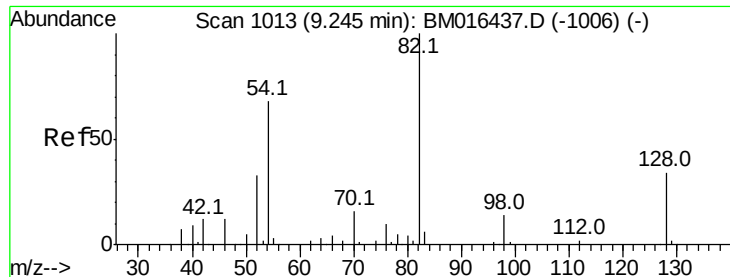
Abundance Ion 136.00 (135.70 to 136.70): BM016437.D (-1282) (-)

Ion 137.00 (136.70 to 137.70): BM016437.D (-1282) (-)

Ion 54.00 (53.70 to 54.70): BM016437.D (-1282) (-)

Ion 68.00 (67.70 to 68.70): BM016437.D (-1282) (-)

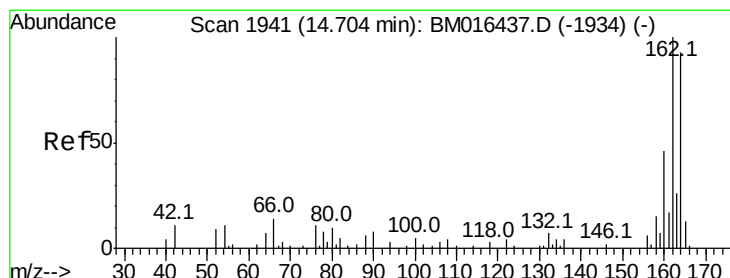
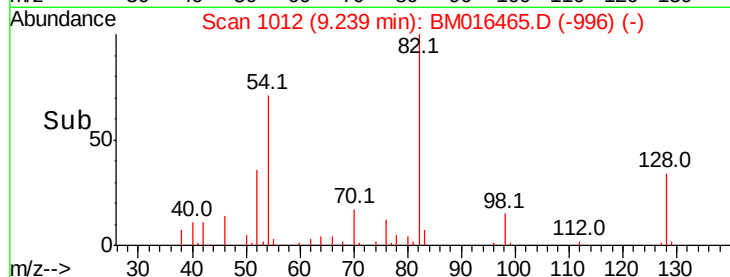
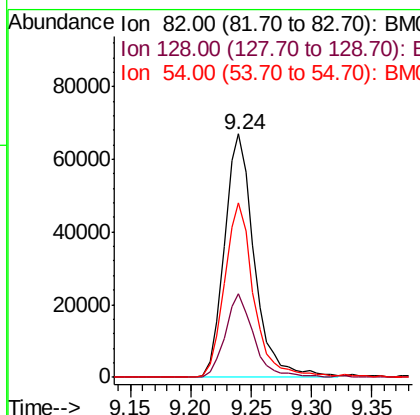
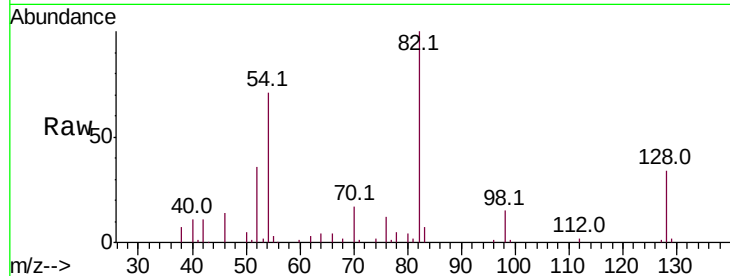




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.24 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BM016465.D
 Acq: 18 Aug 2018 09:50

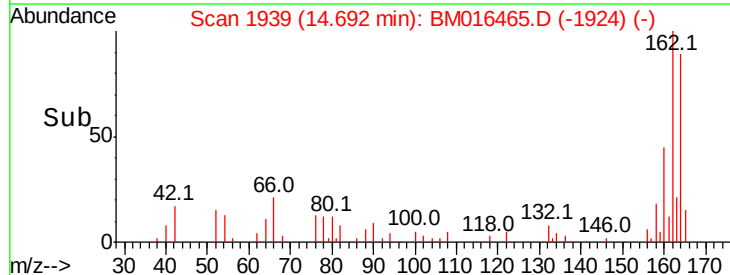
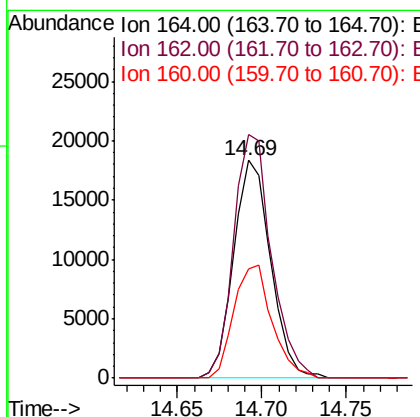
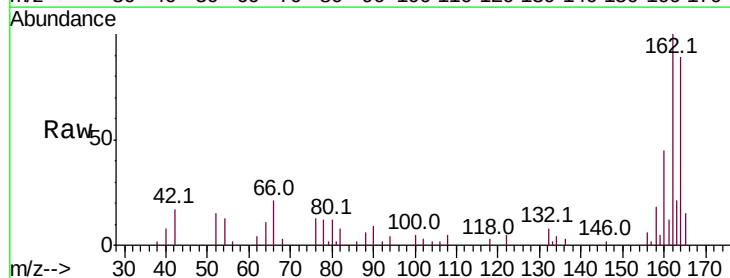
Instrument :
 BNA_M
 ClientSampled :
 ND-SOIL

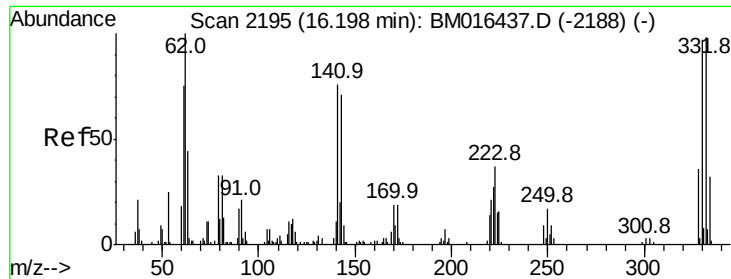
Tot Ion: 82 Resp: 115023
 Ion Ratio Lower Upper
 82 100
 128 34.4 32.8 49.2
 54 71.5 40.6 60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1939
 Delta R.T. -0.01 min
 Lab File: BM016465.D
 Acq: 18 Aug 2018 09:50

Tgt Ion:164 Resp: 28017
 Ion Ratio Lower Upper
 164 100
 162 111.9 82.4 123.6
 160 50.5 35.8 53.6

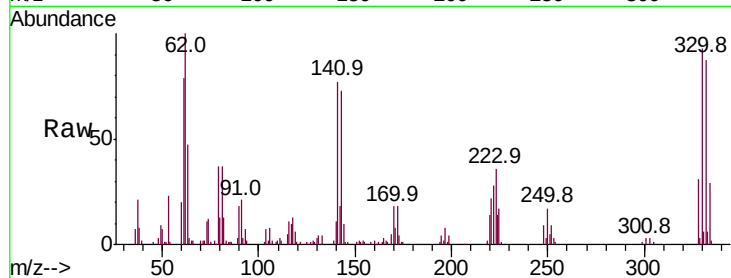




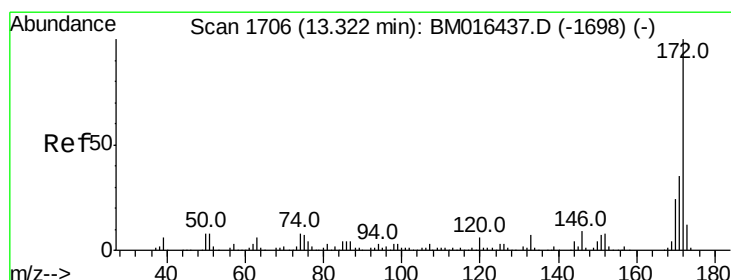
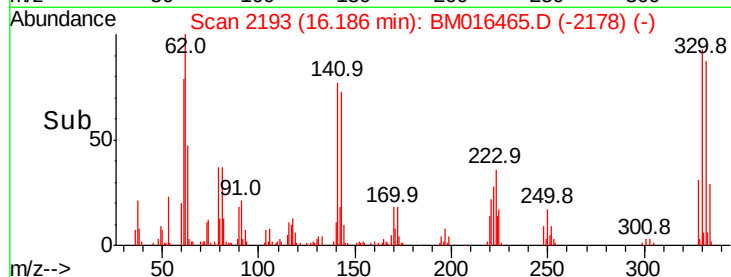
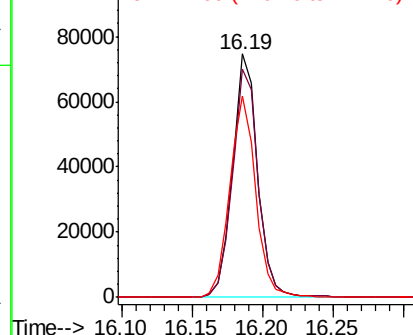
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.19 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BM016465.D
 Acq: 18 Aug 2018 09:50

Instrument :
 BNA_M
 ClientSampled :
 ND-SOIL

Tot Ion:330 Resp: 92378
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 84.7 0.0 0.0#

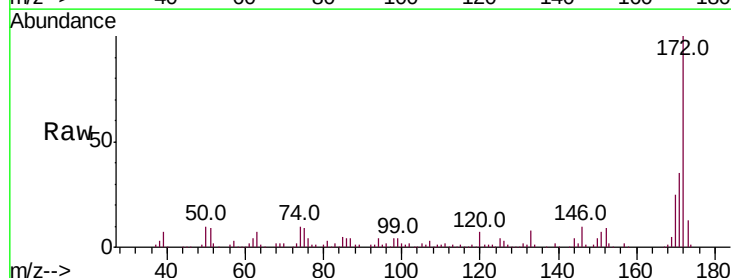


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

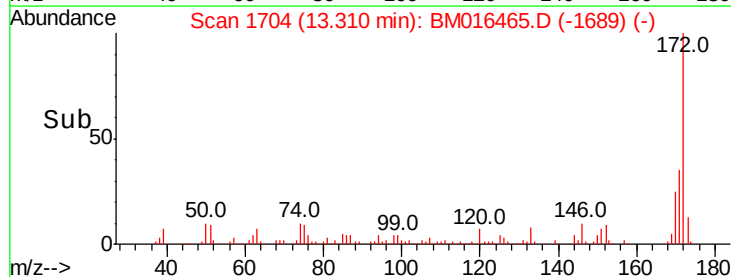
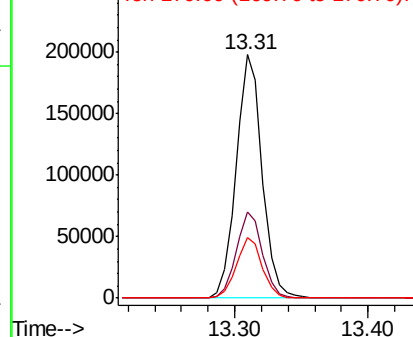


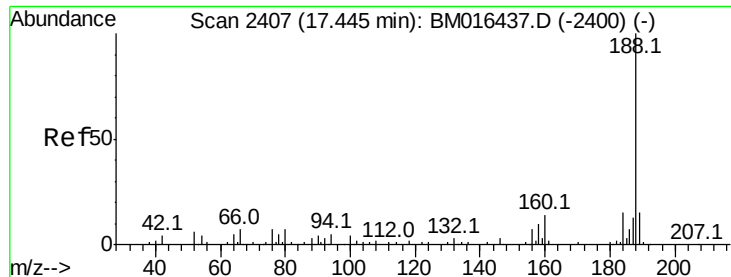
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.31 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BM016465.D
 Acq: 18 Aug 2018 09:50

Tgt Ion:172 Resp: 268693
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 24.8 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

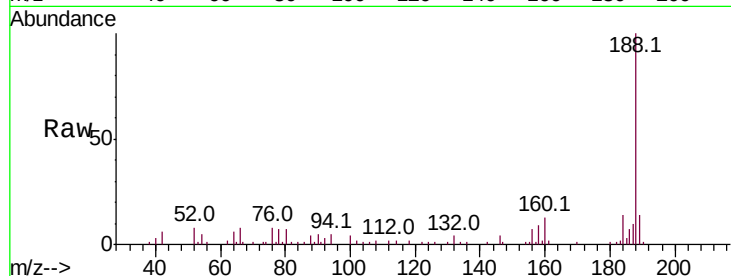




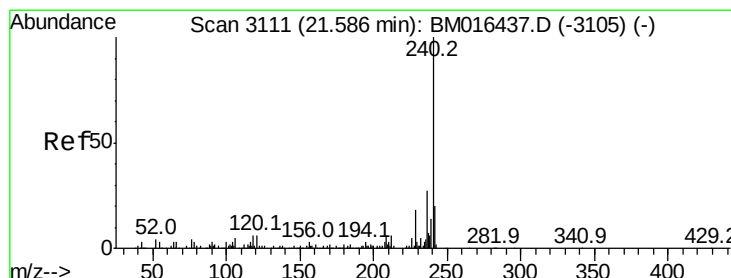
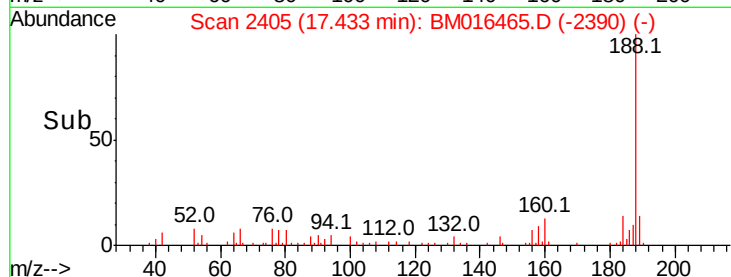
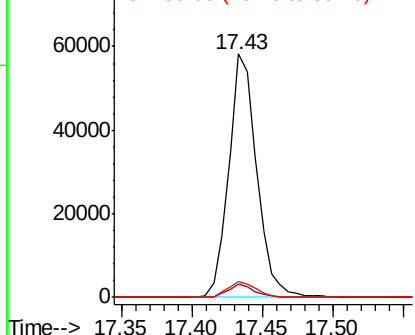
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BM016465.D
Acq: 18 Aug 2018 09:50

Instrument :
BNA_M
ClientSampleId :
ND-SOIL

Tot Ion:188 Resp: 80441
Ion Ratio Lower Upper
188 100
94 5.2 8.7 13.1#
80 6.6 9.3 13.9#

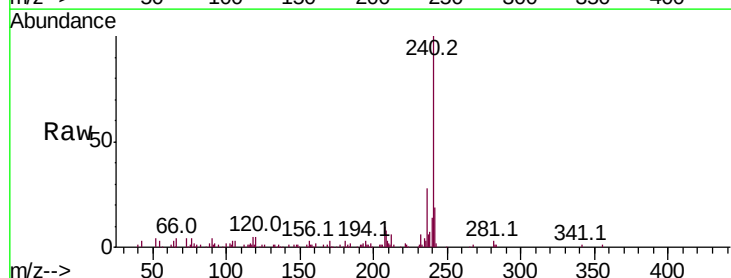


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

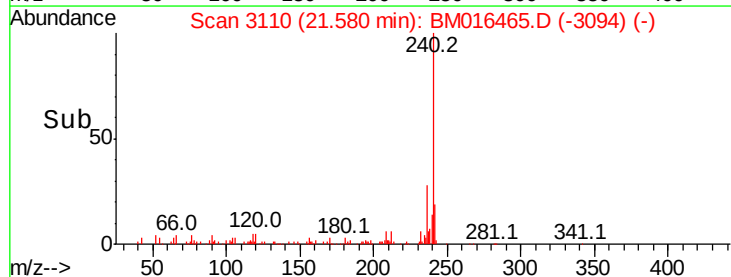
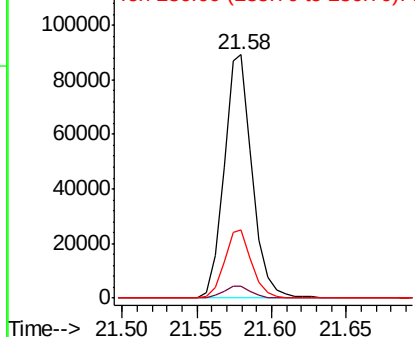


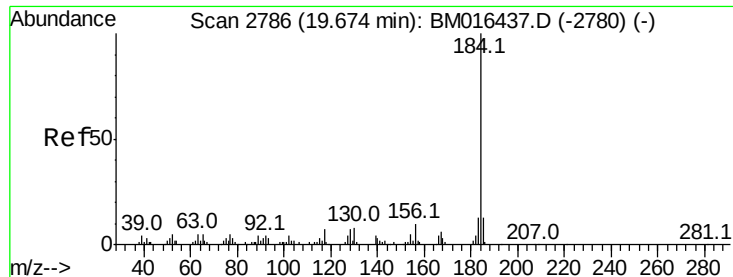
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BM016465.D
Acq: 18 Aug 2018 09:50

Tgt Ion:240 Resp: 117119
Ion Ratio Lower Upper
240 100
120 4.7 8.2 12.2#
236 28.0 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

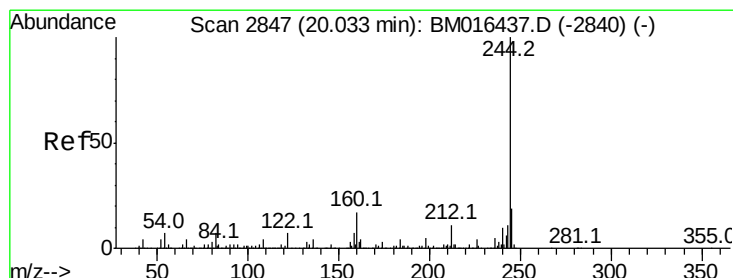
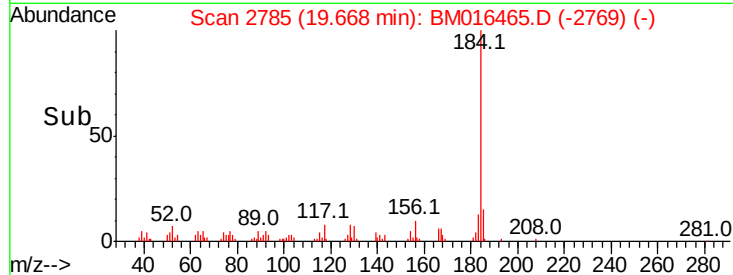
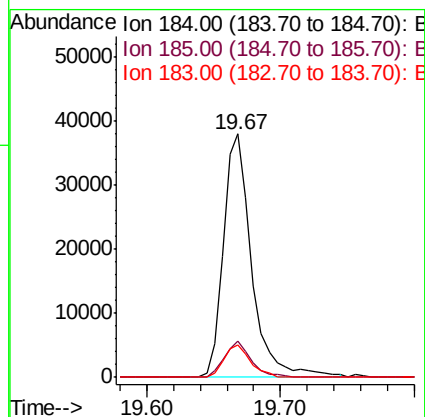
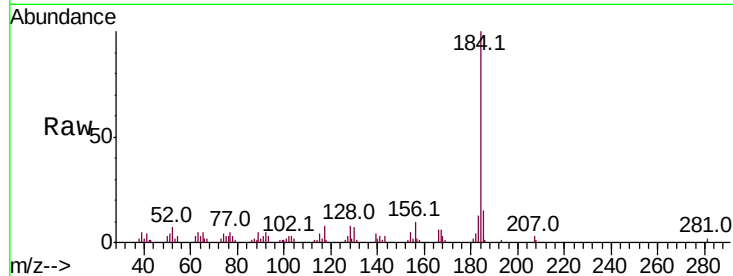




#76
Benzidine
Concen: 21.840 ng
RT: 19.67 min Scan# 2785
Delta R.T. -0.01 min
Lab File: BM016465.D
Acq: 18 Aug 2018 09:50

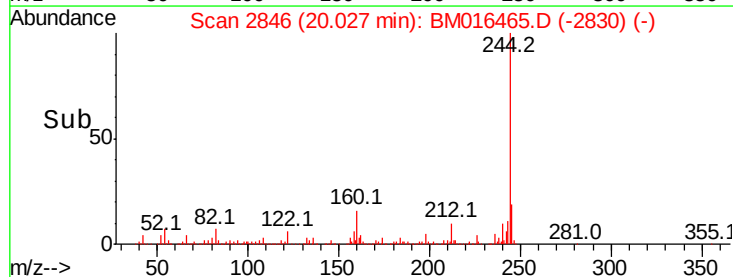
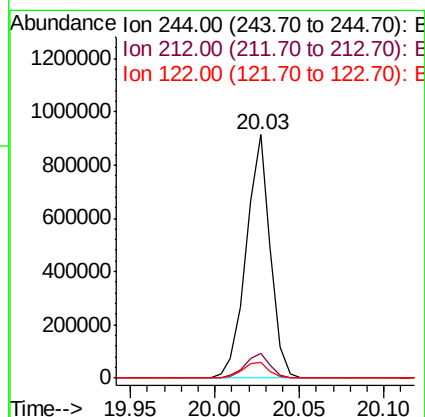
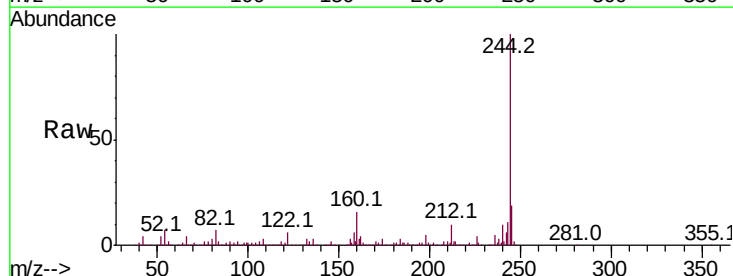
Instrument :
BNA_M
ClientSampleID :
ND-SOIL

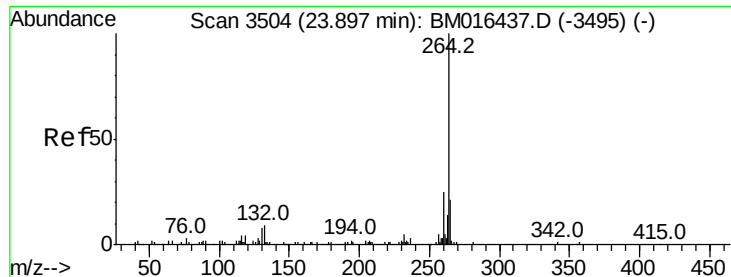
Tot Ion:184 Resp: 56297
Ion Ratio Lower Upper
184 100
185 14.9 11.3 16.9
183 13.1 8.9 13.3



#78
Terphenyl-d14
Concen: N.D. ng
RT: 20.03 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BM016465.D
Acq: 18 Aug 2018 09:50

Tgt Ion:244 Resp: 906979
Ion Ratio Lower Upper
244 100
212 10.2 4.9 7.3#
122 6.5 6.2 9.4

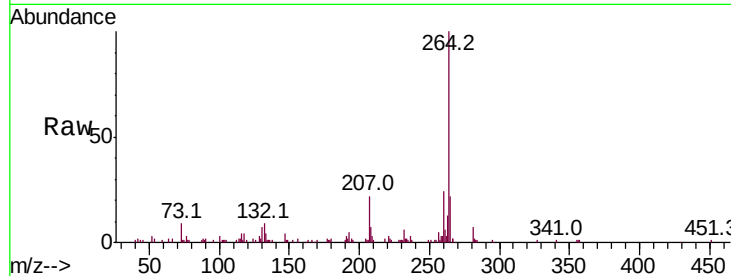




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.89 min Scan# 3502
 Delta R.T. -0.01 min
 Lab File: BM016465.D
 Acq: 18 Aug 2018 09:50

Instrument :
 BNA_M
 ClientSampleId :
 ND-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	22.4	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

