

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081318\
 Data File : BM016326.D
 Acq On : 13 Aug 2018 15:34
 Operator : SJ/JU
 Sample : J4405-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXCAVATION-SOIL

Quant Time: Aug 14 04:25:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 10 18:44:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	29511	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	100252	20.00	ng	-0.02
38) Acenaphthene-d10	14.76	164	46036	20.00	ng	-0.01
63) Phenanthrene-d10	17.49	188	89781	20.00	ng	-0.02
75) Chrysene-d12	21.62	240	105497	20.00	ng	-0.02
86) Perylene-d12	23.96	264	119136	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	244761	137.77	ng	-0.01
7) Phenol-d6	7.29	99	243013	104.74	ng	-0.01
23) Nitrobenzene-d5	9.31	82	236463	109.71	ng	-0.01
41) 2,4,6-Tribromophenol	16.24	330	78370	134.22	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	416345	110.04	ng	-0.02
78) Terphenyl-d14	20.07	244	597491	118.56	ng	-0.01

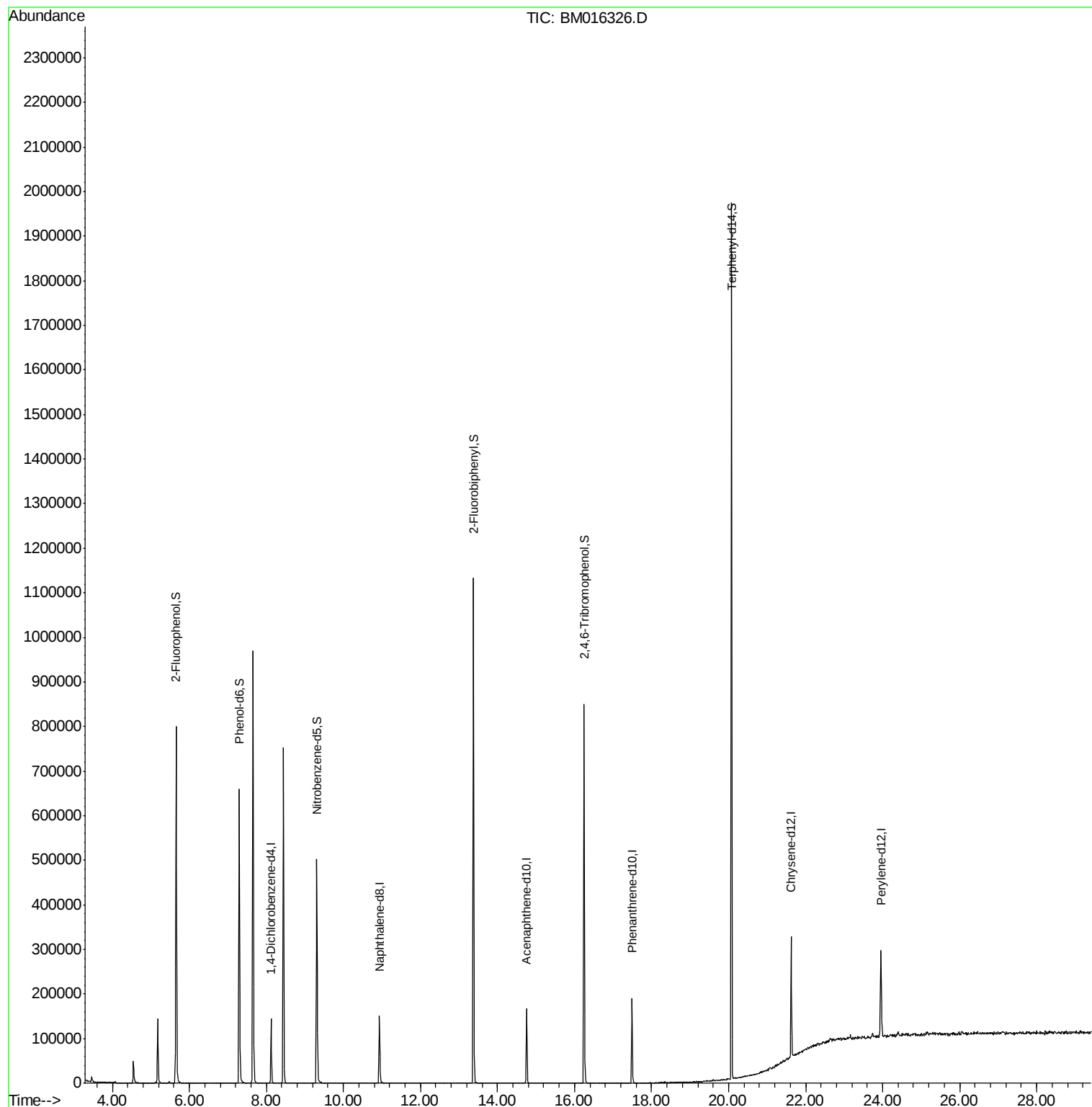
Target Compounds	Qvalue
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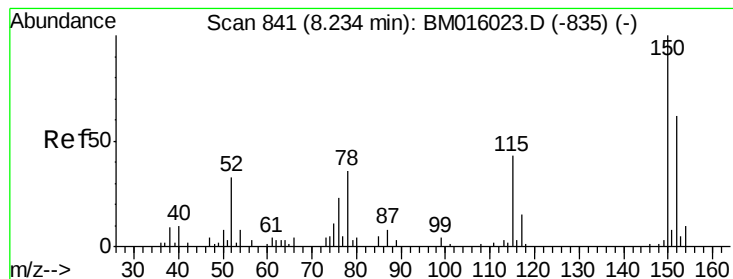
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 822

Delta R.T. -0.01 min

Lab File: BM016326.D

Acq: 13 Aug 2018 15:34

Instrument :

BNA_M

ClientSampleId :

EXCAVATION-SOIL

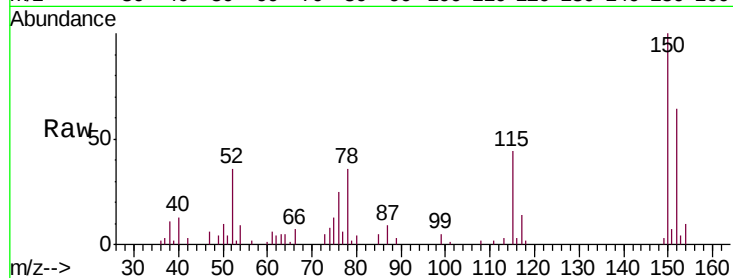
Tgt Ion:152 Resp: 29511

Ion Ratio Lower Upper

152 100

150 156.9 119.5 179.3

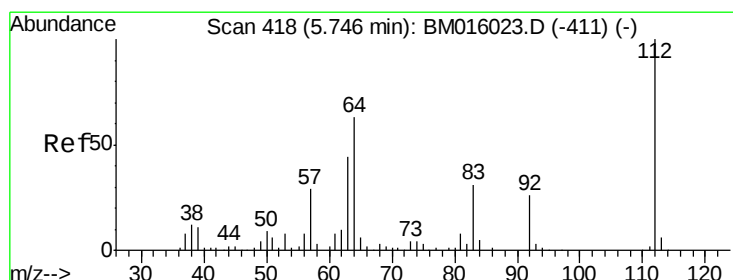
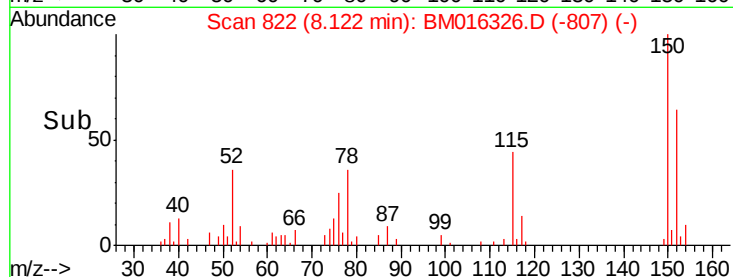
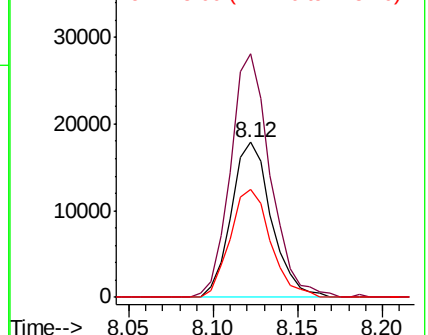
115 69.4 43.0 64.4#



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: Below ng

RT: 5.65 min Scan# 402

Delta R.T. -0.01 min

Lab File: BM016326.D

Acq: 13 Aug 2018 15:34

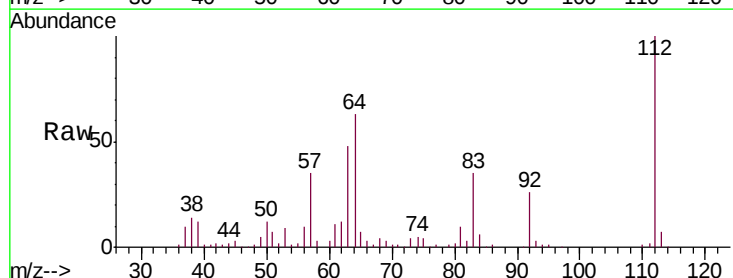
Tgt Ion:112 Resp: 244761

Ion Ratio Lower Upper

112 100

64 63.4 38.6 57.8#

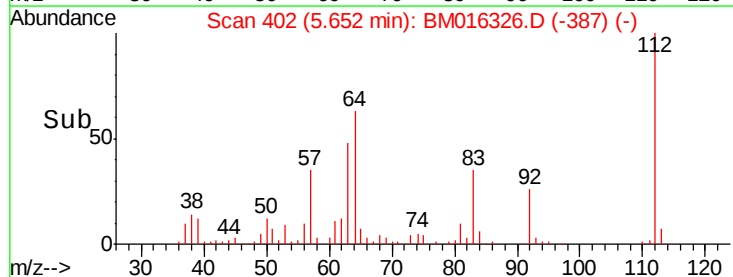
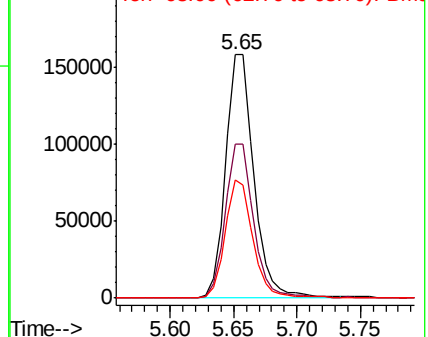
63 48.3 19.3 28.9#

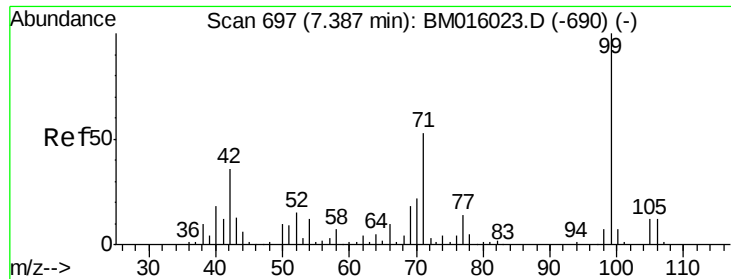


Abundance Ion 112.00 (111.70 to 112.70): E

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: 7.29 min Scan# 681

Delta R.T. -0.01 min

Lab File: BM016326.D

Acq: 13 Aug 2018 15:34

Instrument :

BNA_M

ClientSampleId :

EXCAVATION-SOIL

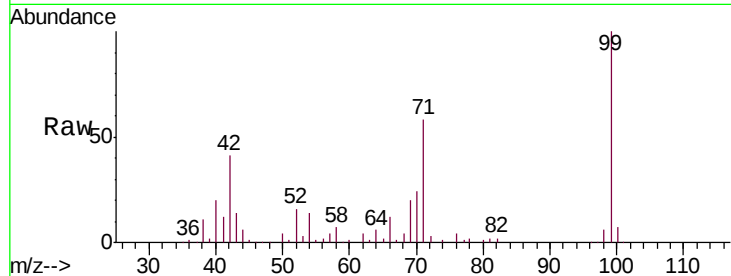
Tgt Ion: 99 Resp: 243013

Ion Ratio Lower Upper

99 100

42 40.8 11.0 16.4#

71 58.3 23.4 35.2#

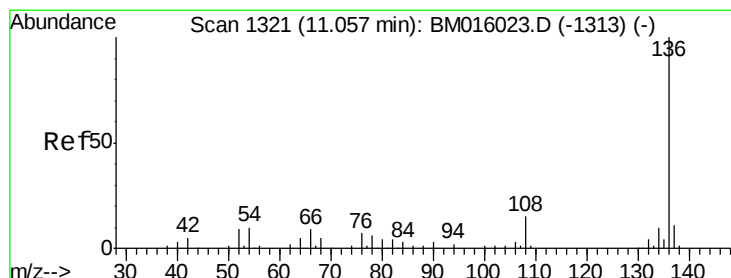
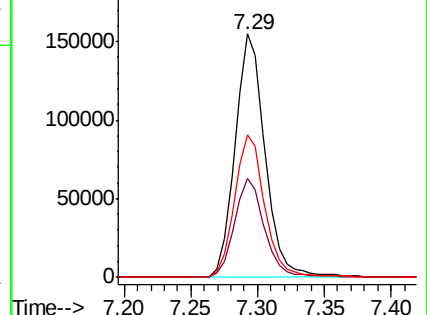
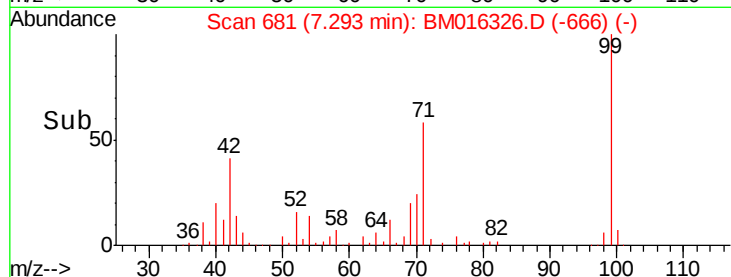


Abundance

Ion 99.00 (98.70 to 99.70): BM016326.D (-666) (-)

Ion 42.00 (41.70 to 42.70): BM016326.D (-666) (-)

Ion 71.00 (70.70 to 71.70): BM016326.D (-666) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BM016326.D

Acq: 13 Aug 2018 15:34

Tgt Ion: 136 Resp: 100252

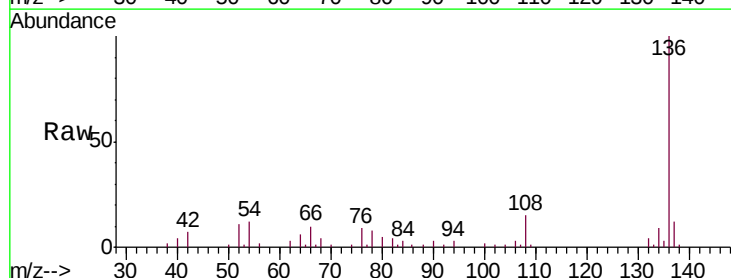
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 11.5 4.6 6.8#

68 4.4 3.7 5.5



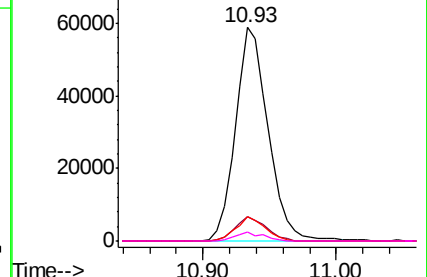
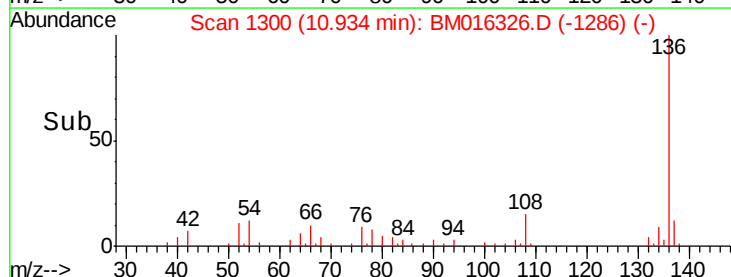
Abundance

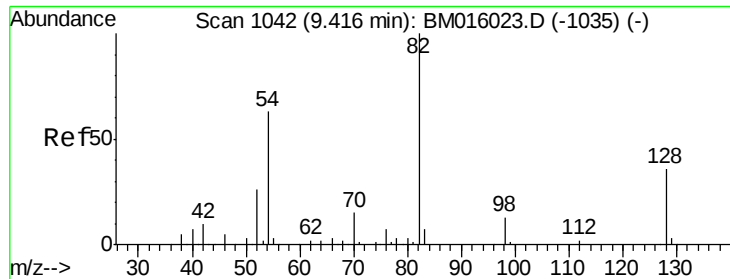
Ion 136.00 (135.70 to 136.70): BM016326.D (-1286) (-)

Ion 137.00 (136.70 to 137.70): BM016326.D (-1286) (-)

Ion 54.00 (53.70 to 54.70): BM016326.D (-1286) (-)

Ion 68.00 (67.70 to 68.70): BM016326.D (-1286) (-)

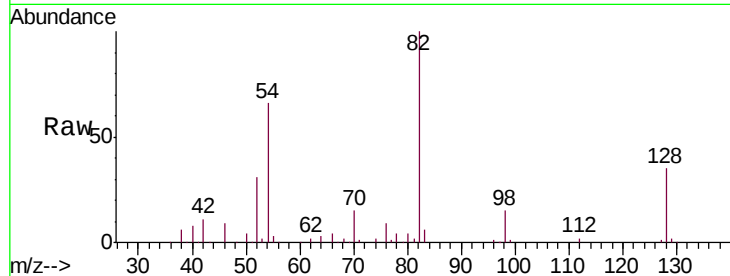




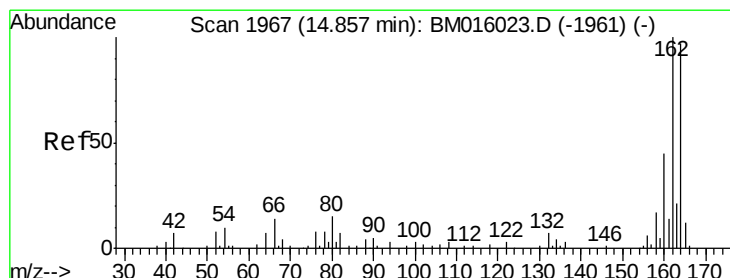
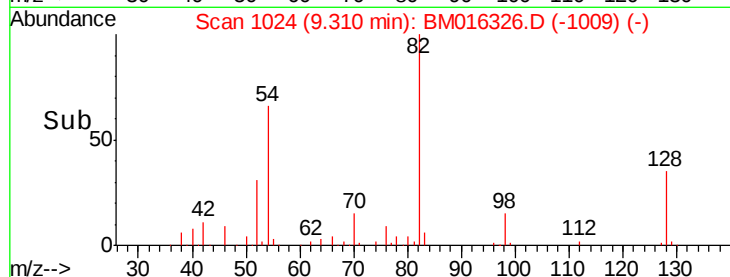
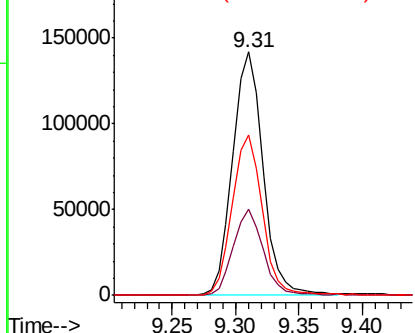
#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.31 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BM016326.D
 Acq: 13 Aug 2018 15:34

Instrument :
 BNA_M
 ClientSampleId :
 EXCAVATION-SOIL

Tgt Ion: 82 Resp: 236463
 Ion Ratio Lower Upper
 82 100
 128 35.4 32.8 49.2
 54 65.8 40.6 60.8#

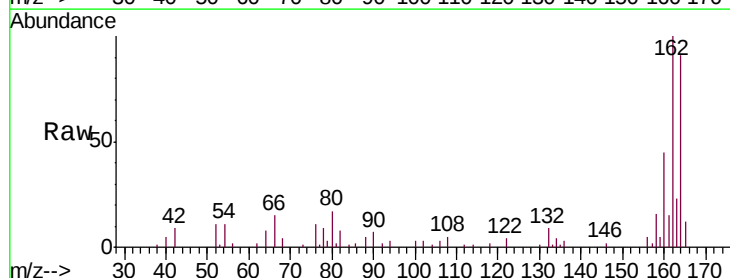


Abundance Ion 82.00 (81.70 to 82.70): BM016326.D (-1009) (-)
 Ion 128.00 (127.70 to 128.70): BM016326.D (-1009) (-)
 Ion 54.00 (53.70 to 54.70): BM016326.D (-1009) (-)

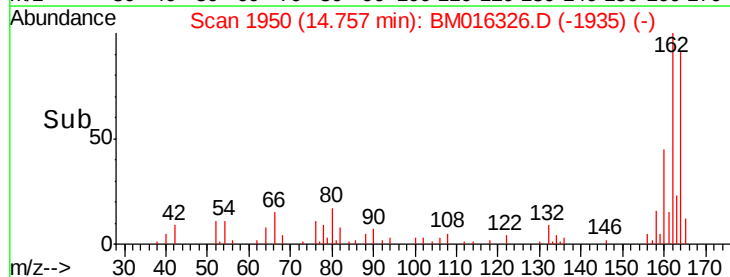
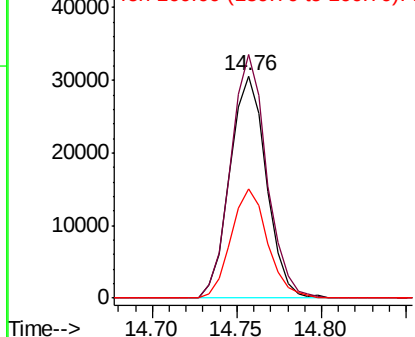


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.76 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BM016326.D
 Acq: 13 Aug 2018 15:34

Tgt Ion: 164 Resp: 46036
 Ion Ratio Lower Upper
 164 100
 162 109.7 82.4 123.6
 160 49.3 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BM016326.D (-1935) (-)
 Ion 162.00 (161.70 to 162.70): BM016326.D (-1935) (-)
 Ion 160.00 (159.70 to 160.70): BM016326.D (-1935) (-)

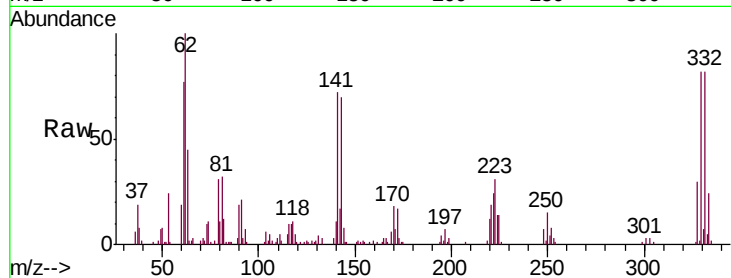




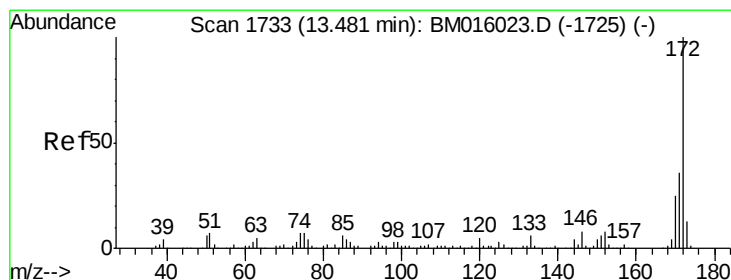
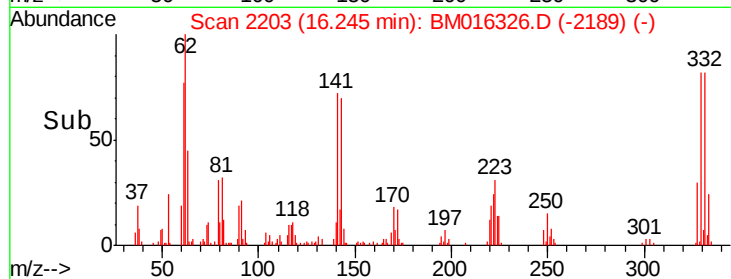
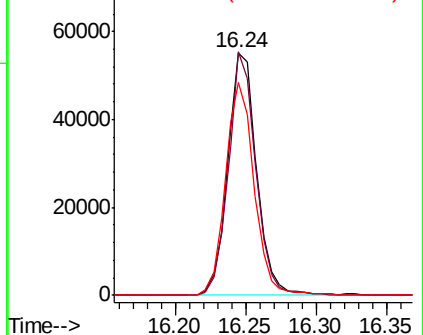
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.24 min Scan# 2203
 Delta R.T. -0.02 min
 Lab File: BM016326.D
 Acq: 13 Aug 2018 15:34

Instrument :
 BNA_M
 ClientSampleId :
 EXCAVATION-SOIL

Tgt Ion:330 Resp: 78370
 Ion Ratio Lower Upper
 330 100
 332 95.2 0.0 0.0#
 141 87.1 0.0 0.0#

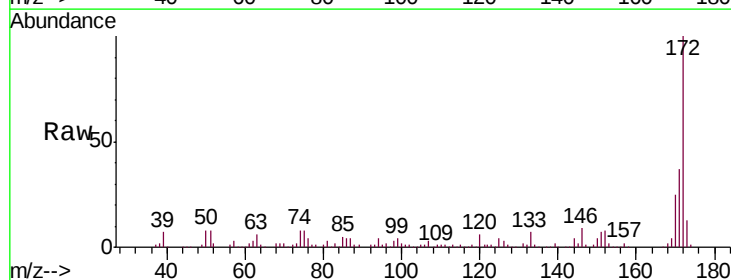


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

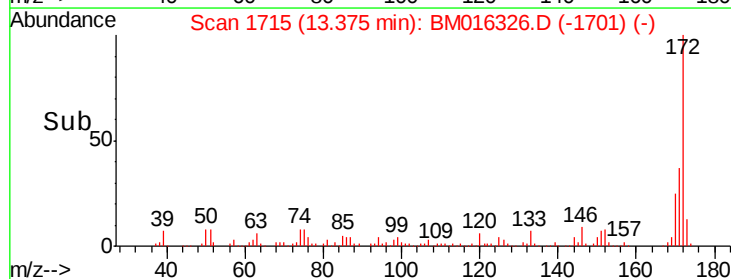
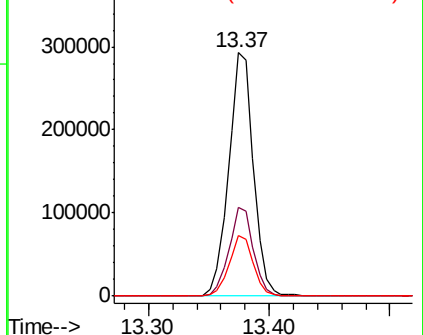


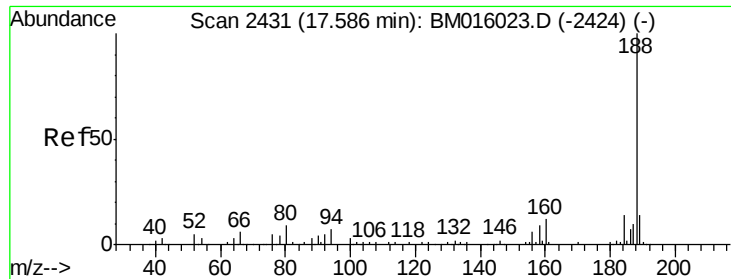
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.37 min Scan# 1715
 Delta R.T. -0.02 min
 Lab File: BM016326.D
 Acq: 13 Aug 2018 15:34

Tgt Ion:172 Resp: 416345
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.5 42.7
 170 24.9 18.8 28.2



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

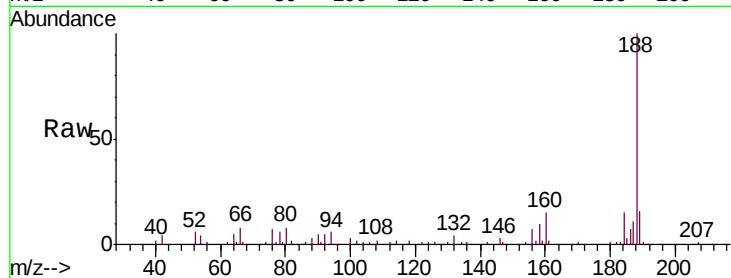




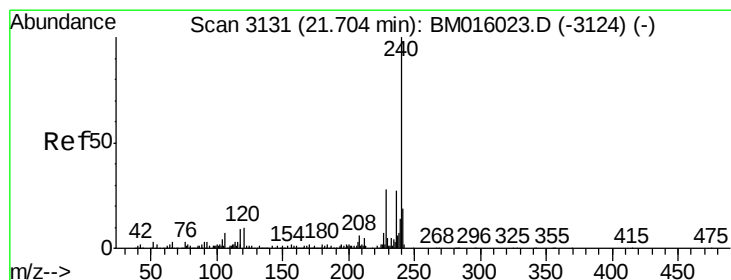
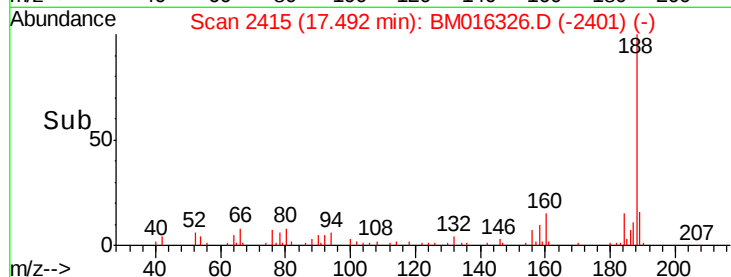
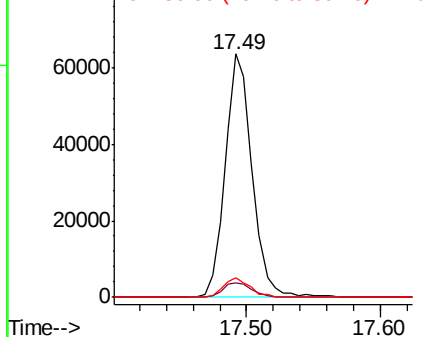
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2415
Delta R.T. -0.02 min
Lab File: BM016326.D
Acq: 13 Aug 2018 15:34

Instrument :
BNA_M
ClientSampleId :
EXCAVATION-SOIL

Tgt Ion:188 Resp: 89781
Ion Ratio Lower Upper
188 100
94 6.2 8.7 13.1#
80 7.8 9.3 13.9#

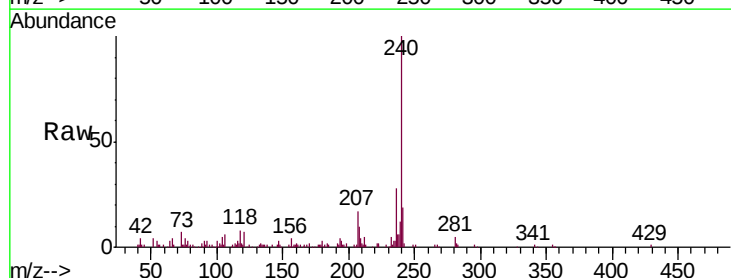


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

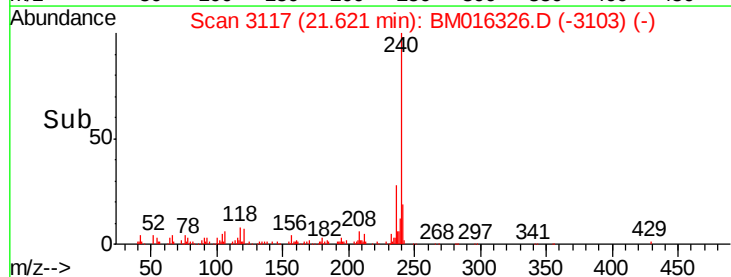
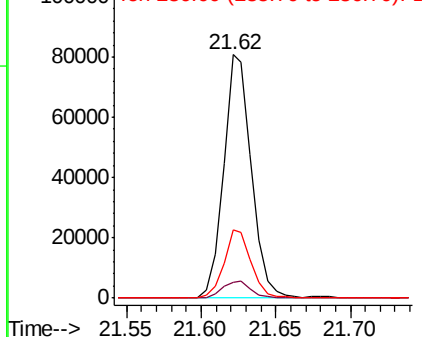


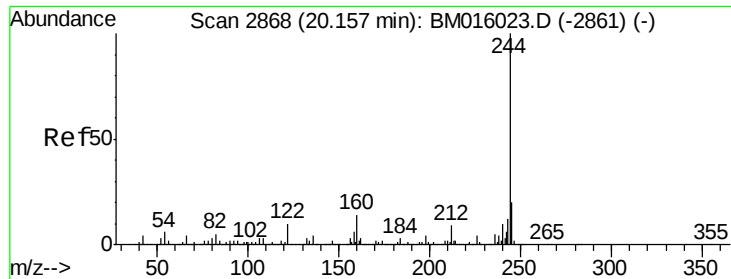
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3117
Delta R.T. -0.02 min
Lab File: BM016326.D
Acq: 13 Aug 2018 15:34

Tgt Ion:240 Resp: 105497
Ion Ratio Lower Upper
240 100
120 6.5 8.2 12.2#
236 28.1 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: N.D. ng

RT: 20.07 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BM016326.D

Acq: 13 Aug 2018 15:34

Instrument :

BNA_M

ClientSampleId :

EXCAVATION-SOIL

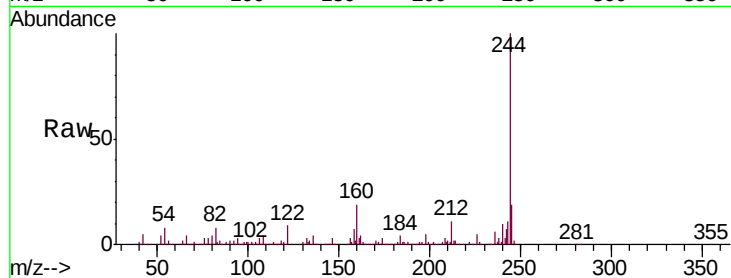
Tgt Ion:244 Resp: 597491

Ion Ratio Lower Upper

244 100

212 10.8 4.9 7.3#

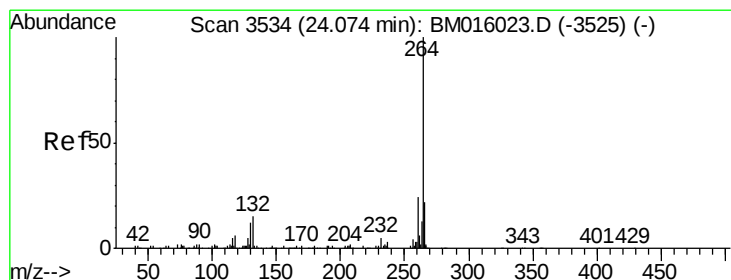
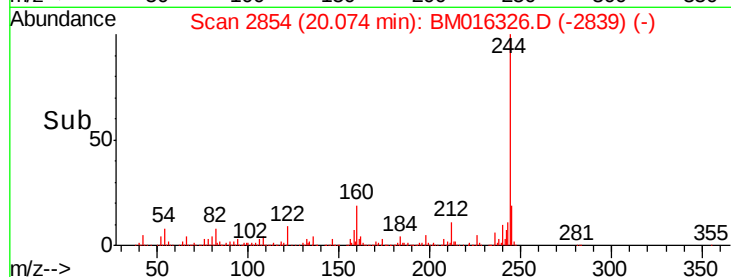
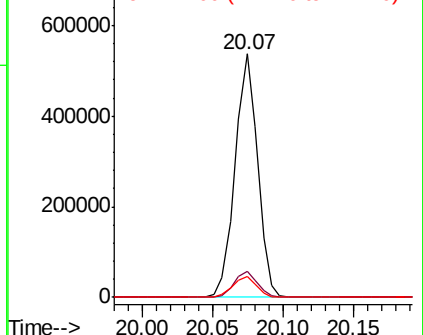
122 8.6 6.2 9.4



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

Perylene-d12

Concen: 20.000 ng

RT: 23.96 min Scan# 3514

Delta R.T. -0.02 min

Lab File: BM016326.D

Acq: 13 Aug 2018 15:34

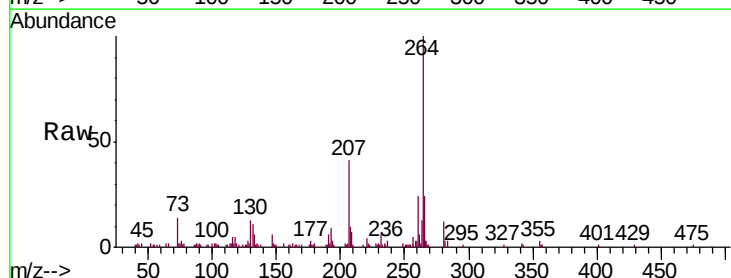
Tgt Ion:264 Resp: 119136

Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

265 24.3 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

