

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101918\
 Data File : BM017268.D
 Acq On : 20 Oct 2018 16:51
 Operator : MJ/SJ
 Sample : J5590-04
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LS-SOIL-1

Quant Time: Oct 22 05:40:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	310769	20.00	ng	-0.01
21) Naphthalene-d8	10.43	136	1289349	20.00	ng	-0.02
39) Acenaphthene-d10	14.30	164	781040	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1792988	20.00	ng	-0.01
76) Chrysene-d12	21.25	240	1842601	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1587693	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	2221016	120.88	ng	0.00
7) Phenol-d6	6.85	99	2836300	113.34	ng	-0.01
23) Nitrobenzene-d5	8.82	82	1955598	88.71	ng	-0.02
42) 2,4,6-Tribromophenol	15.80	330	1393374	131.92	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	4615371	78.63	ng	-0.01
79) Terphenyl-d14	19.70	244	7463050	91.29	ng	0.00

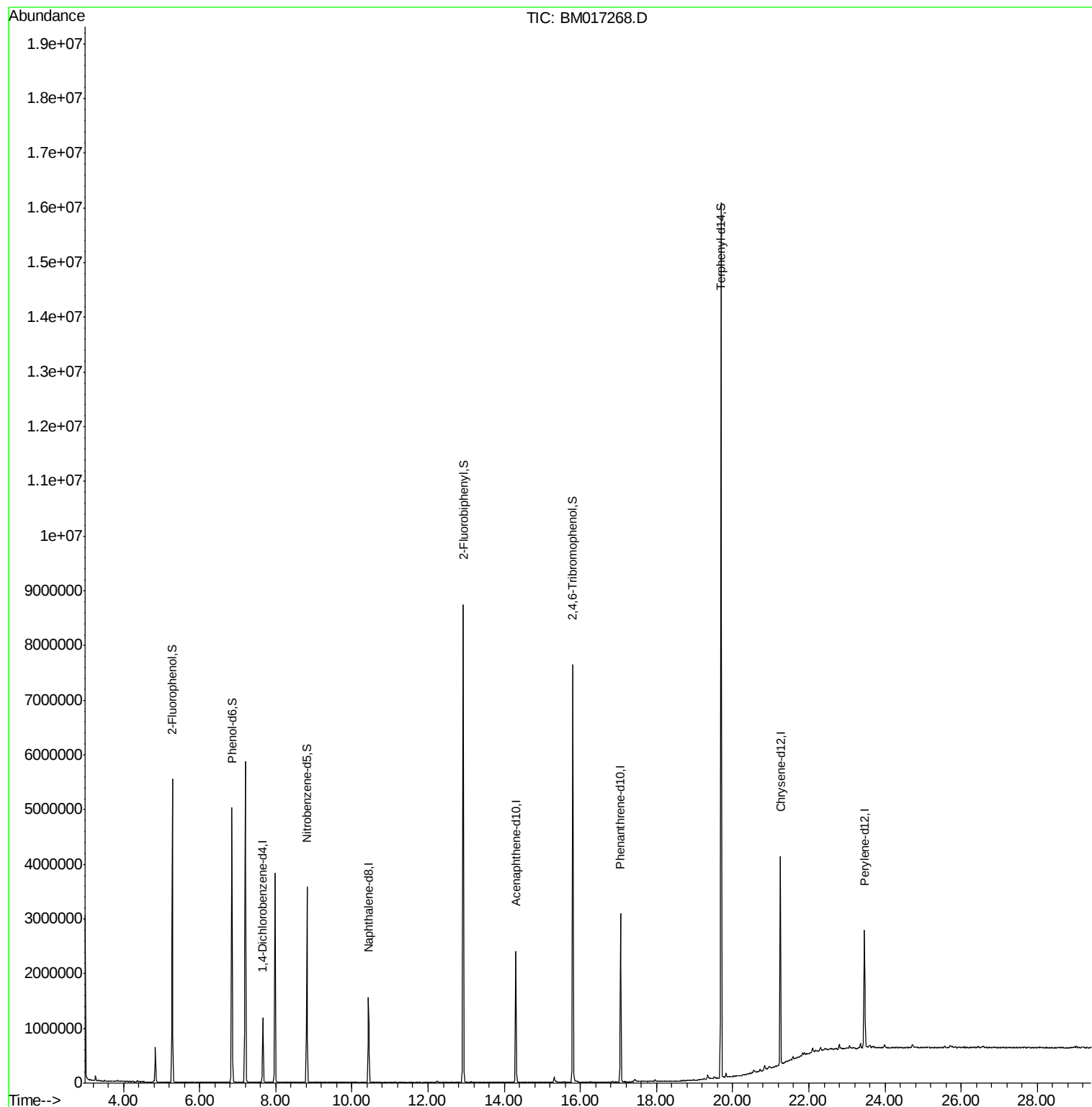
Target Compounds	Qvalue
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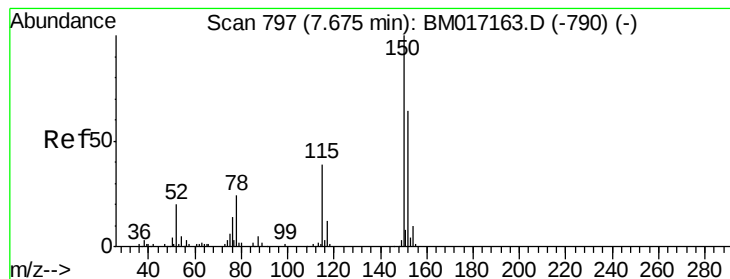
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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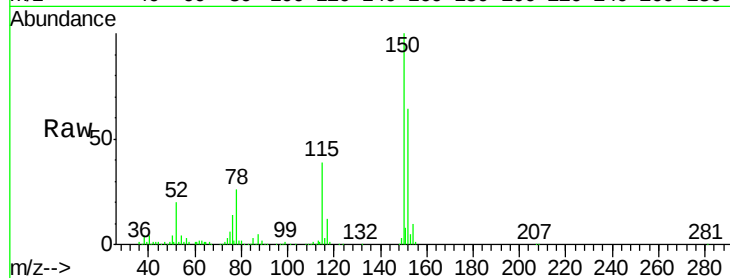




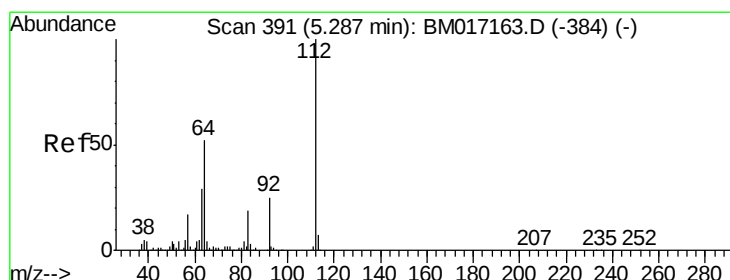
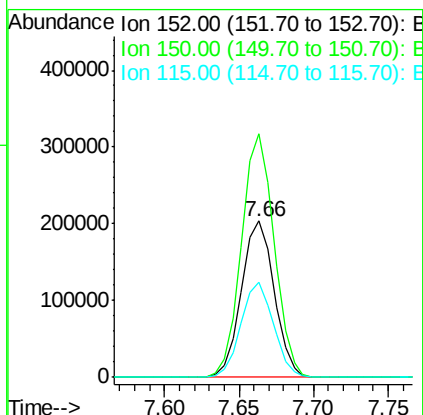
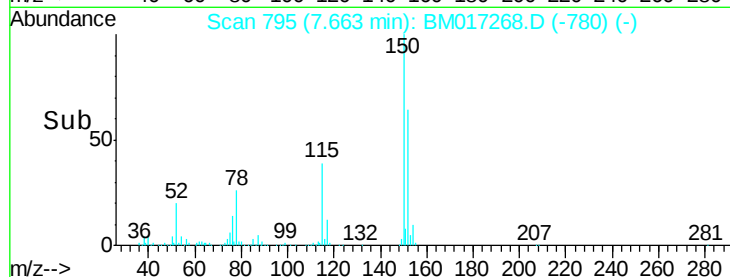
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.66 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BM017268.D
 Acq: 20 Oct 2018 16:51

Instrument :
 BNA_M
 ClientSampleId :
 LS-SOIL-1

Tgt Ion:152 Resp: 310769
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.3 186.5
 115 60.8 48.1 72.1

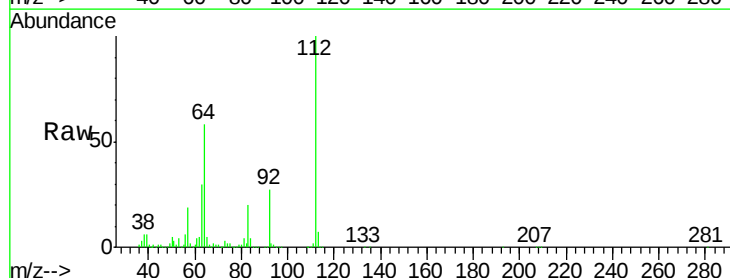


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

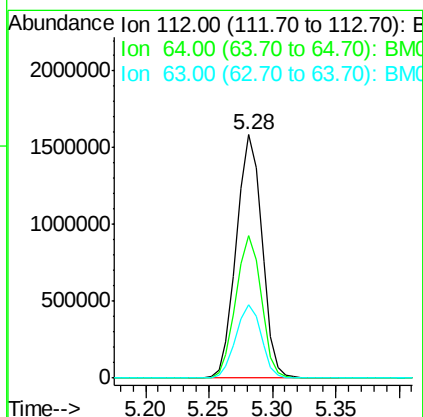
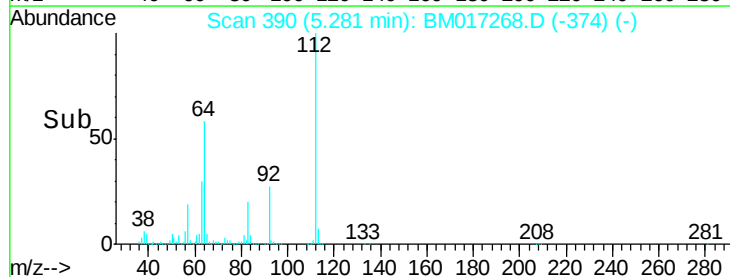


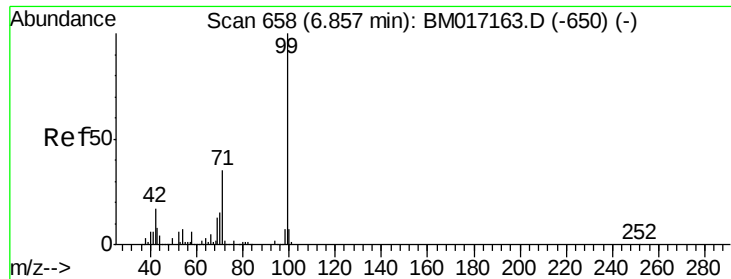
#5
 2-Fluorophenol
 Concen: 120.877 ng
 RT: 5.28 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: BM017268.D
 Acq: 20 Oct 2018 16:51

Tgt Ion:112 Resp: 2221016
 Ion Ratio Lower Upper
 112 100
 64 58.3 41.7 62.5
 63 30.1 23.0 34.4



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: 113.340 ng

RT: 6.85 min Scan# 656

Delta R.T. -0.01 min

Lab File: BM017268.D

Acq: 20 Oct 2018 16:51

Instrument :

BNA_M

ClientSampleId :

LS-SOIL-1

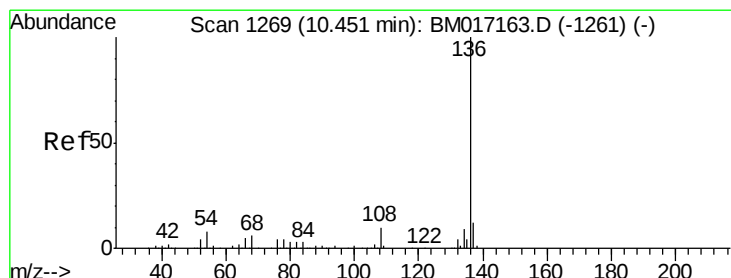
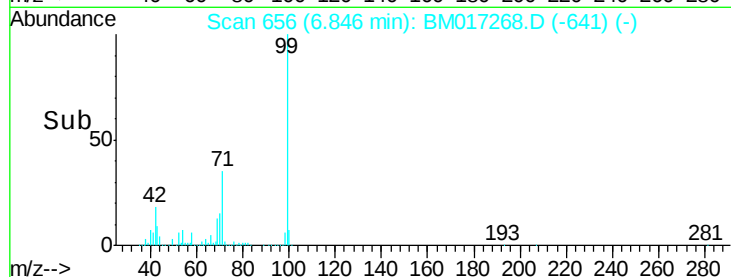
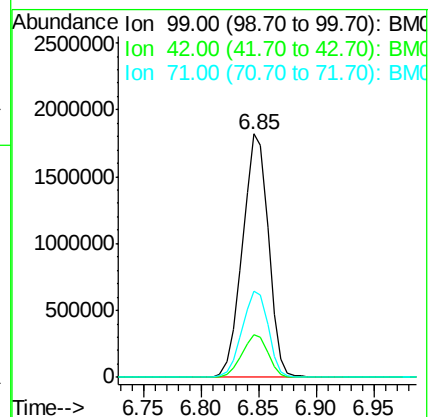
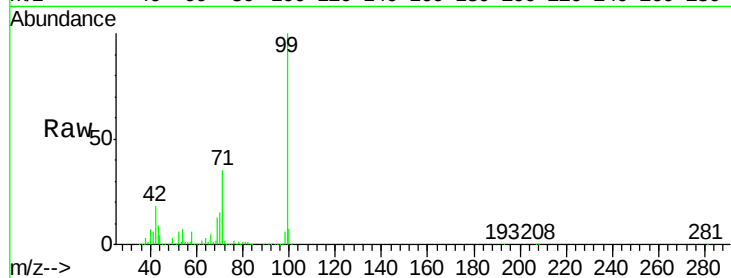
Tgt Ion: 99 Resp: 2836300

Ion Ratio Lower Upper

99 100

42 17.6 13.3 19.9

71 35.5 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BM017268.D

Acq: 20 Oct 2018 16:51

Tgt Ion: 136 Resp: 1289349

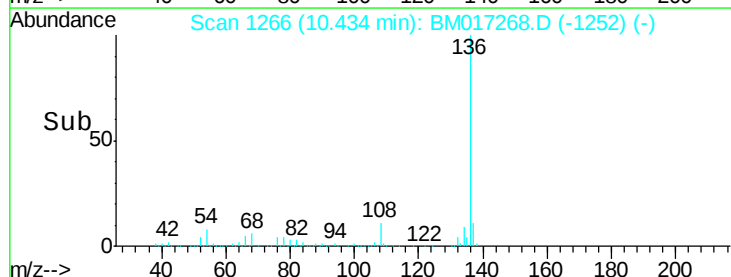
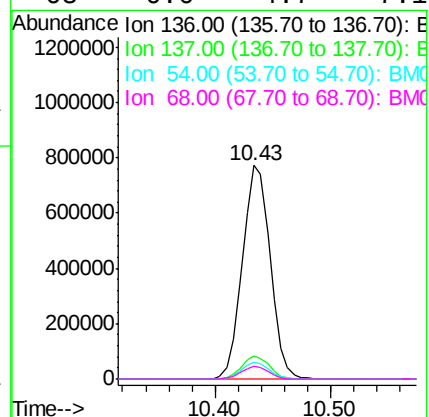
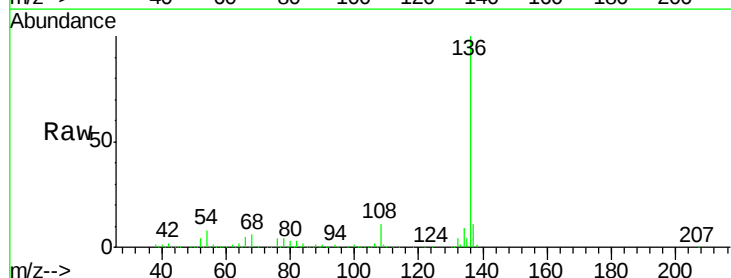
Ion Ratio Lower Upper

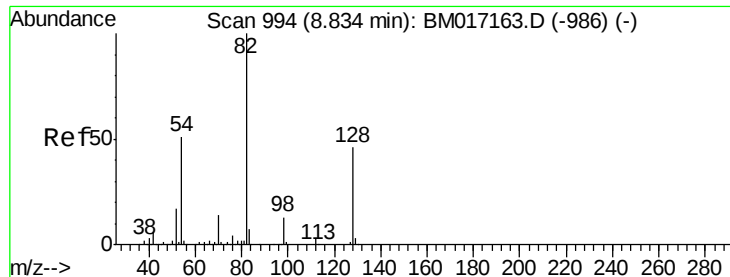
136 100

137 10.7 9.2 13.8

54 7.7 6.7 10.1

68 6.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 88.707 ng

RT: 8.82 min Scan# 991

Delta R.T. -0.02 min

Lab File: BM017268.D

Acq: 20 Oct 2018 16:51

Instrument :

BNA_M

ClientSampleId :

LS-SOIL-1

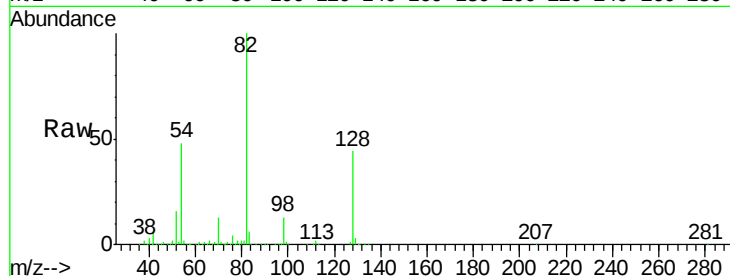
Tgt Ion: 82 Resp: 1955598

Ion Ratio Lower Upper

82 100

128 43.6 37.0 55.6

54 48.2 40.7 61.1

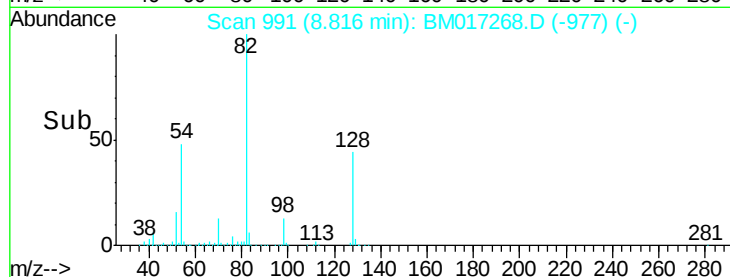


Abundance Ion 82.00 (81.70 to 82.70): BM017163.D (-986) (-)

Ion 128.00 (127.70 to 128.70): BM017163.D (-986) (-)

Ion 54.00 (53.70 to 54.70): BM017163.D (-986) (-)

Time--> 8.70 8.75 8.80 8.85 8.90

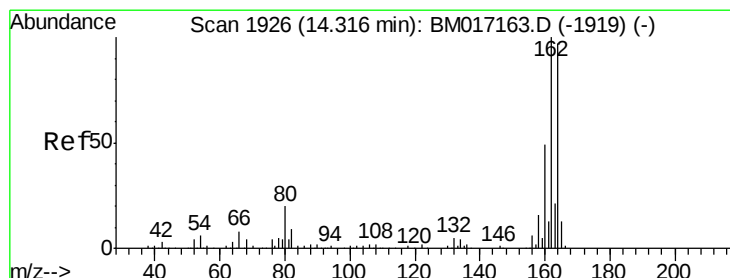


Abundance Ion 82.00 (81.70 to 82.70): BM017268.D (-977) (-)

Ion 128.00 (127.70 to 128.70): BM017268.D (-977) (-)

Ion 54.00 (53.70 to 54.70): BM017268.D (-977) (-)

Time--> 8.70 8.75 8.80 8.85 8.90



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BM017268.D

Acq: 20 Oct 2018 16:51

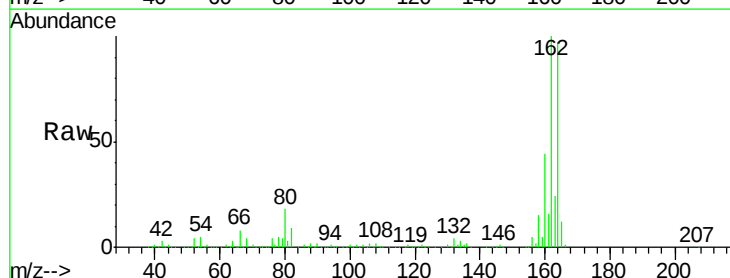
Tgt Ion: 164 Resp: 781040

Ion Ratio Lower Upper

164 100

162 102.7 82.1 123.1

160 44.7 40.2 60.2

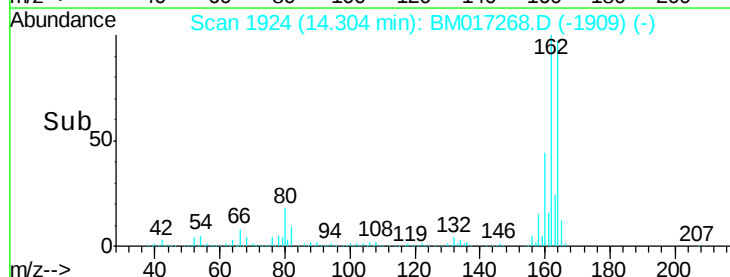


Abundance Ion 164.00 (163.70 to 164.70): BM017163.D (-1919) (-)

Ion 162.00 (161.70 to 162.70): BM017163.D (-1919) (-)

Ion 160.00 (159.70 to 160.70): BM017163.D (-1919) (-)

Time--> 14.25 14.30 14.35

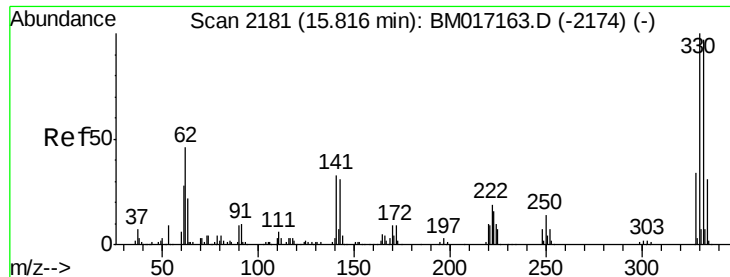


Abundance Ion 164.00 (163.70 to 164.70): BM017268.D (-1909) (-)

Ion 162.00 (161.70 to 162.70): BM017268.D (-1909) (-)

Ion 160.00 (159.70 to 160.70): BM017268.D (-1909) (-)

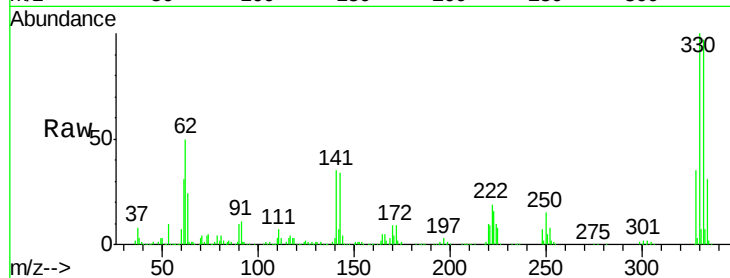
Time--> 14.25 14.30 14.35



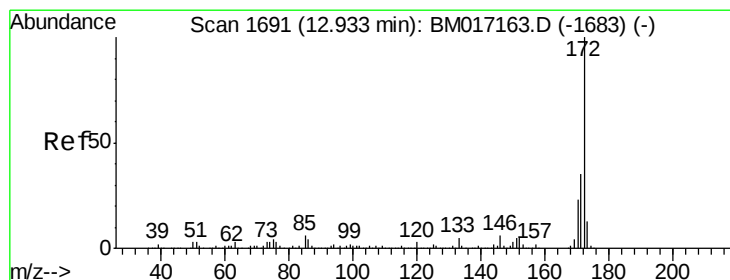
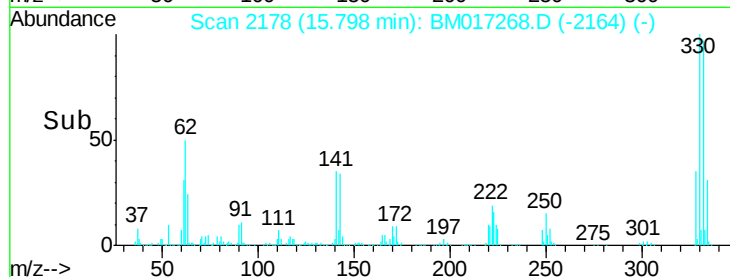
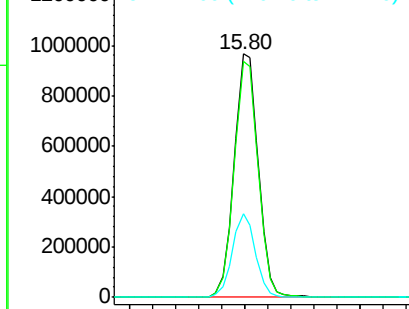
#42
 2,4,6-Tribromophenol
 Concen: 131.918 ng
 RT: 15.80 min Scan# 2178
 Delta R.T. -0.02 min
 Lab File: BM017268.D
 Acq: 20 Oct 2018 16:51

Instrument :
 BNA_M
 ClientSampleId :
 LS-SOIL-1

Tgt Ion:330 Resp: 1393374
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.3 115.9
 141 33.3 27.4 41.0

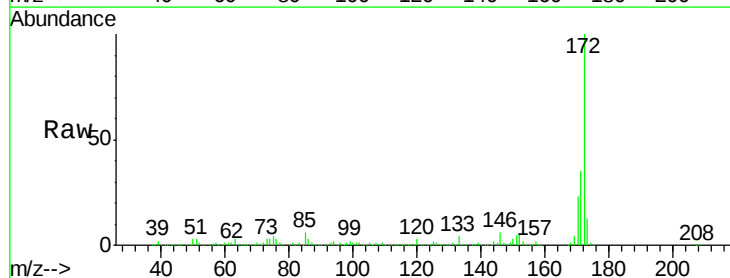


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

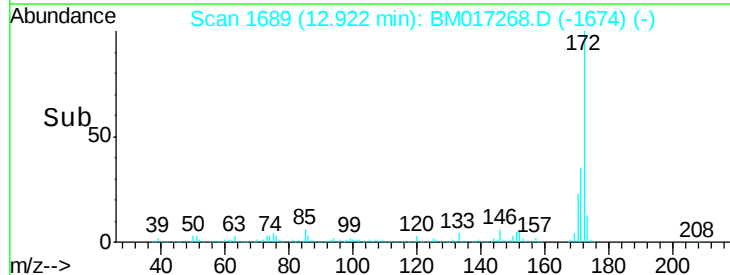
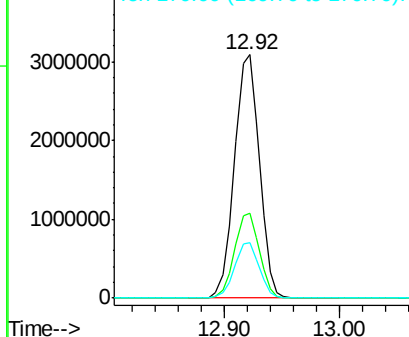


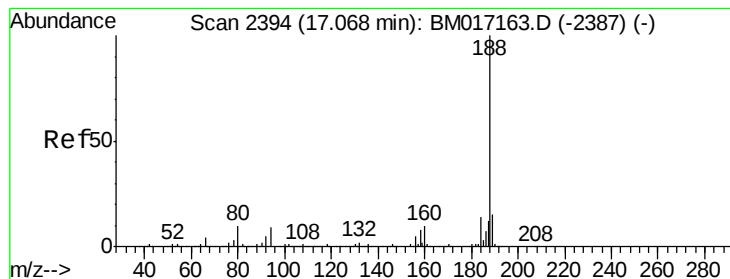
#45
 2-Fluorobiphenyl
 Concen: 78.625 ng
 RT: 12.92 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BM017268.D
 Acq: 20 Oct 2018 16:51

Tgt Ion:172 Resp: 4615371
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.3 42.5
 170 22.8 18.3 27.5



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BM017268.D

Acq: 20 Oct 2018 16:51

Instrument :

BNA_M

ClientSampleId :

LS-SOIL-1

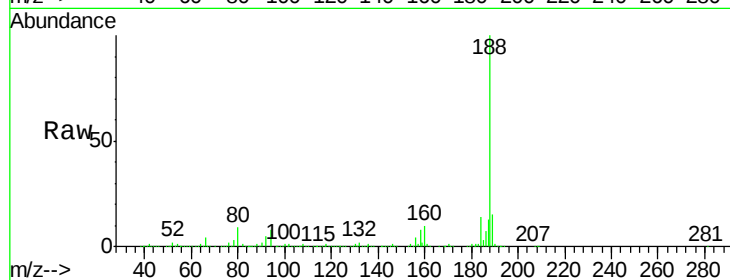
Tgt Ion:188 Resp: 1792988

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.4

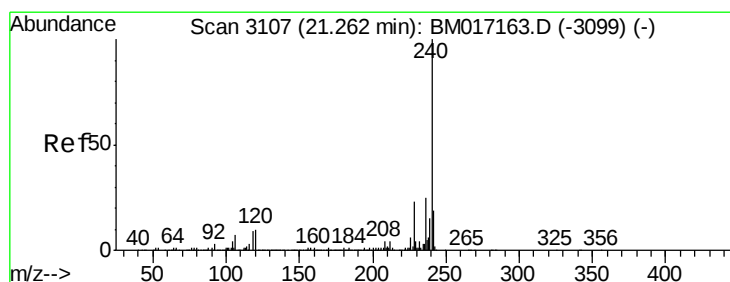
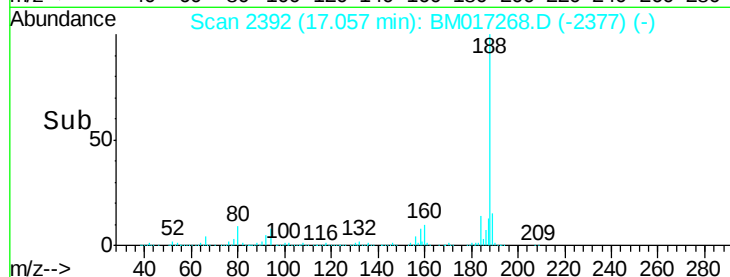
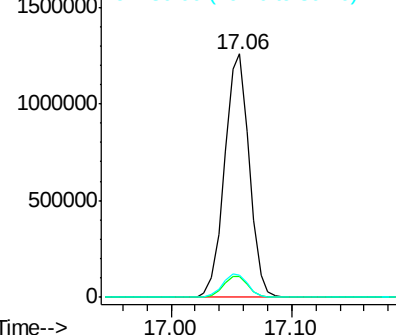
80 9.3 7.7 11.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM017268.D

Acq: 20 Oct 2018 16:51

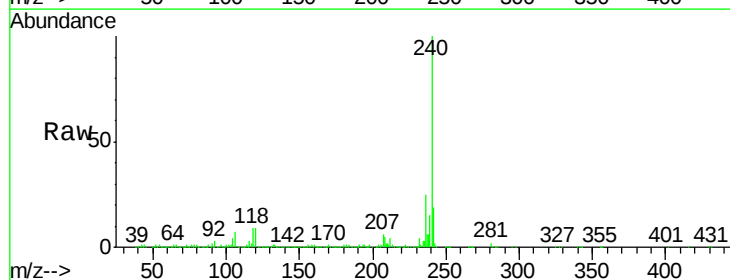
Tgt Ion:240 Resp: 1842601

Ion Ratio Lower Upper

240 100

120 9.5 8.1 12.1

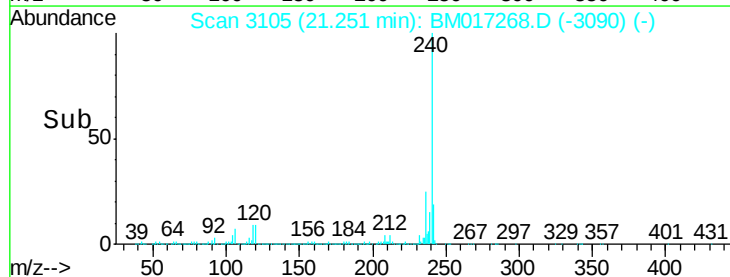
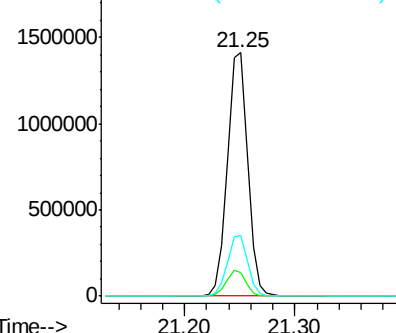
236 25.1 19.9 29.9

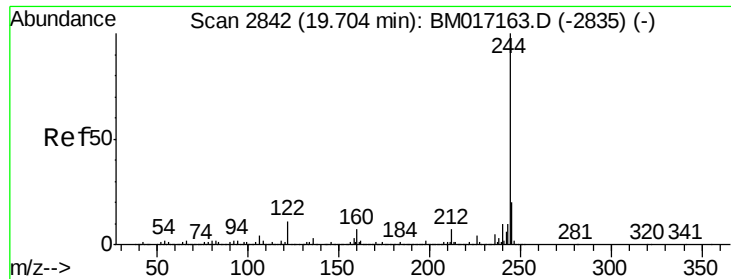


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 91.293 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017268.D

Acq: 20 Oct 2018 16:51

Instrument :

BNA_M

ClientSampleId :

LS-SOIL-1

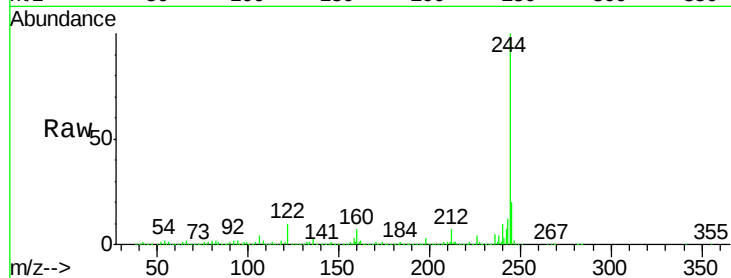
Tgt Ion:244 Resp: 7463050

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

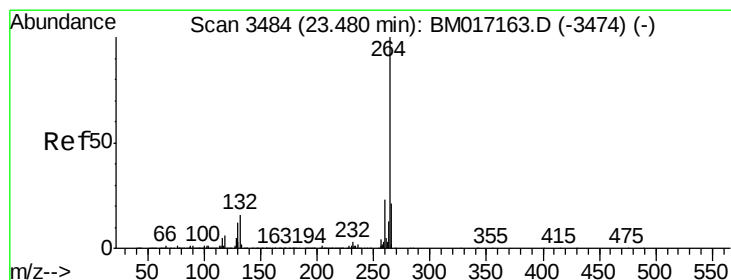
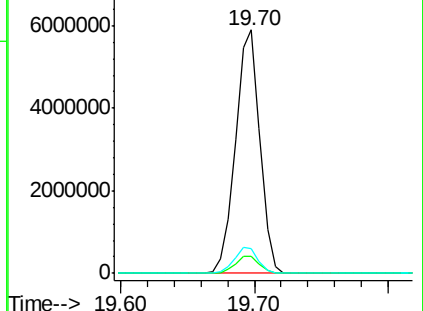
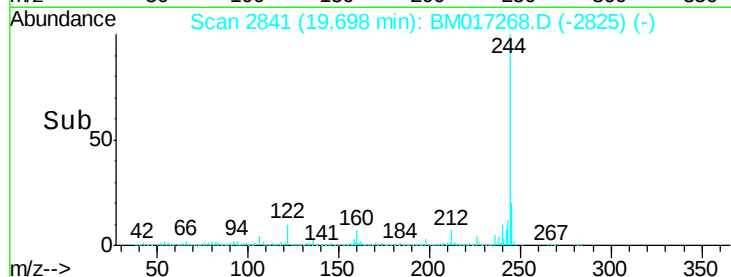
122 10.2 8.4 12.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.46 min Scan# 3481

Delta R.T. -0.02 min

Lab File: BM017268.D

Acq: 20 Oct 2018 16:51

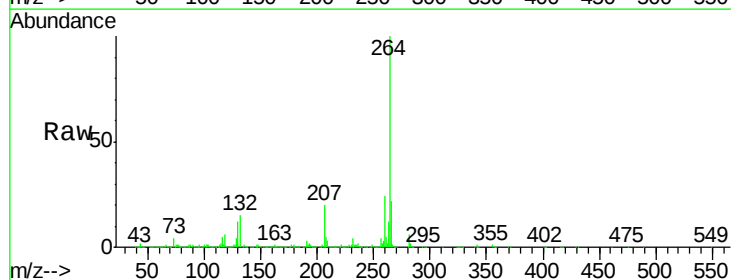
Tgt Ion:264 Resp: 1587693

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 22.3 17.8 26.8



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

