

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\
 Data File : BM015835.D
 Acq On : 07 Jul 2018 11:42
 Operator : SJ/JU
 Sample : J3852-20
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HC-SOIL-2

Quant Time: Jul 09 00:55:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 05 17:39:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	76358	20.00	ng	-0.01
21) Naphthalene-d8	11.13	136	303327	20.00	ng	-0.02
38) Acenaphthene-d10	14.92	164	176232	20.00	ng	-0.01
63) Phenanthrene-d10	17.64	188	438305	20.00	ng	-0.01
75) Chrysene-d12	21.76	240	480613	20.00	ng	-0.01
86) Perylene-d12	24.16	264	473682	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	631610	141.86	ng	-0.01
7) Phenol-d6	7.45	99	733587	120.35	ng	-0.01
23) Nitrobenzene-d5	9.49	82	631188	101.53	ng	-0.01
41) 2,4,6-Tribromophenol	16.40	330	414686	180.09	ng	-0.01
44) 2-Fluorobiphenyl	13.55	172	1376852	96.99	ng	-0.01
78) Terphenyl-d14	20.21	244	3018276	116.49	ng	-0.01

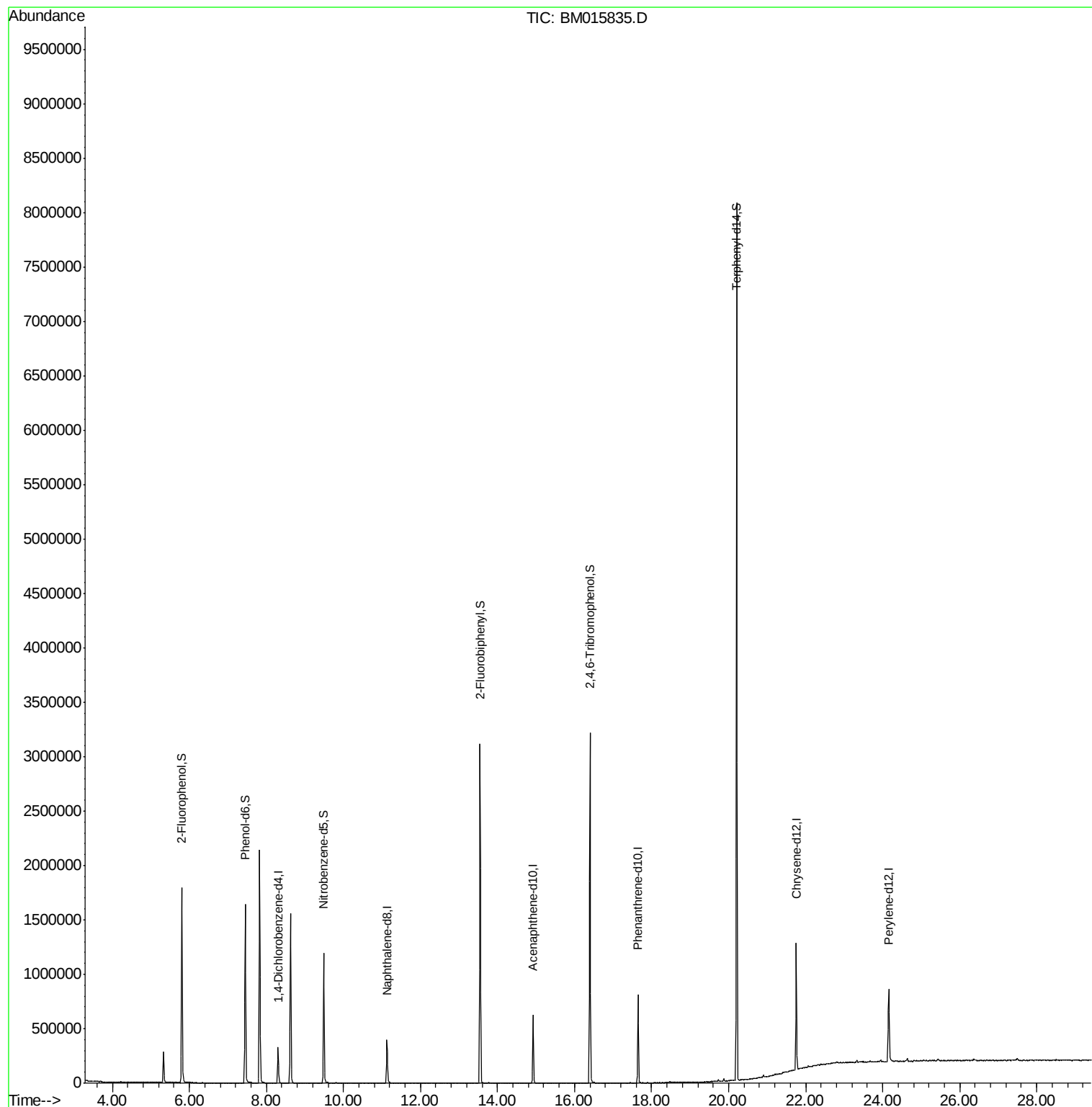
Target Compounds Qvalue

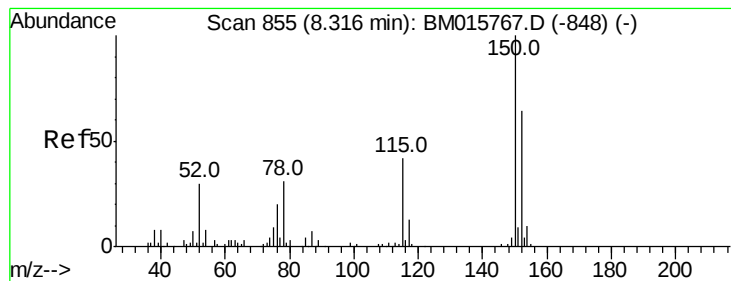
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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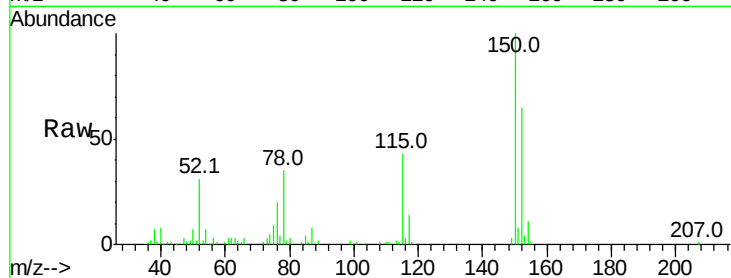


#1

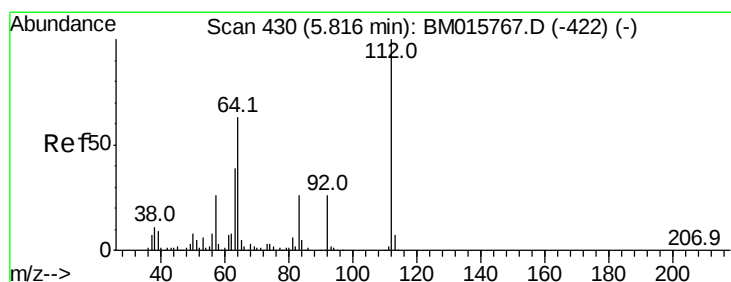
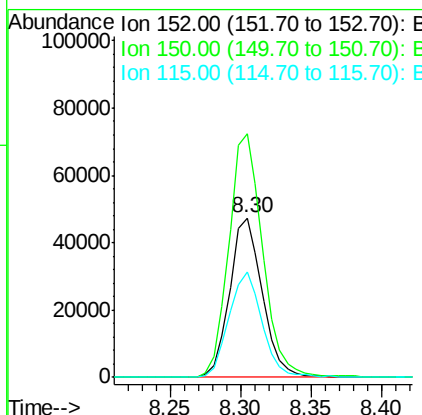
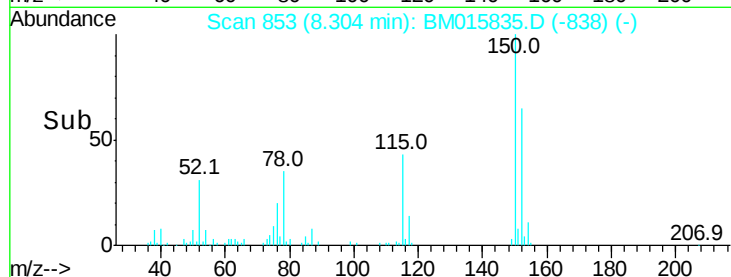
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.30 min Scan# 853
Delta R.T. -0.01 min
Lab File: BM015835.D
Acq: 07 Jul 2018 11:42

Instrument :
BNA_M
ClientSampleId :
HC-SOIL-2

Tot Ion:152 Resp: 76358
Ion Ratio Lower Upper
152 100
150 152.9 119.5 179.3
115 66.2 43.0 64.4#



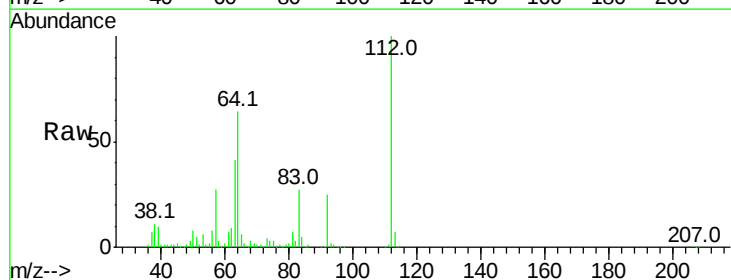
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



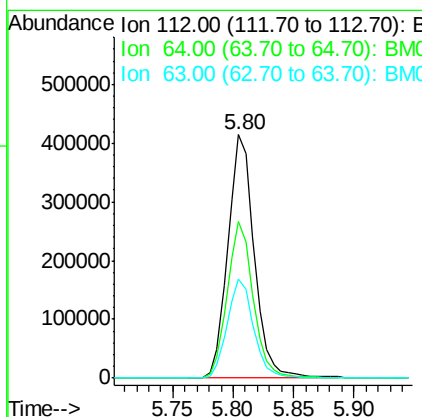
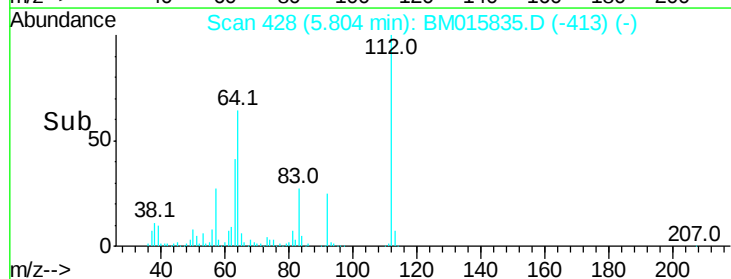
#5

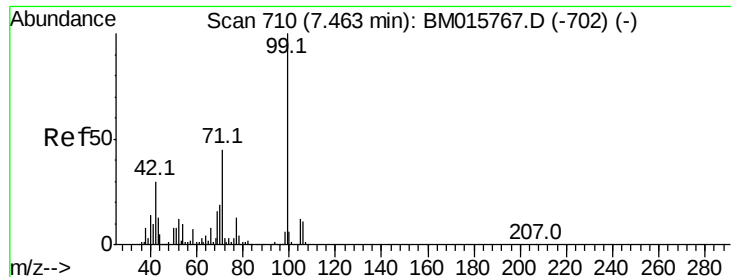
2-Fluorophenol
Concen: Below ng
RT: 5.80 min Scan# 428
Delta R.T. -0.01 min
Lab File: BM015835.D
Acq: 07 Jul 2018 11:42

Tgt Ion:112 Resp: 631610
Ion Ratio Lower Upper
112 100
64 64.1 38.6 57.8#
63 40.8 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





#7

Phenol-d6

Concen: N.D. ng

RT: 7.45 min Scan# 708

Delta R.T. -0.01 min

Lab File: BM015835.D

Acq: 07 Jul 2018 11:42

Instrument :

BNA_M

ClientSampleId :

HC-SOIL-2

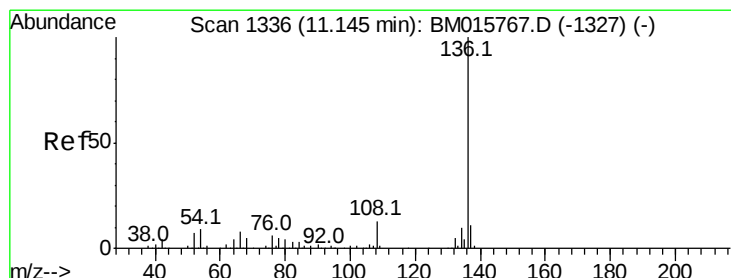
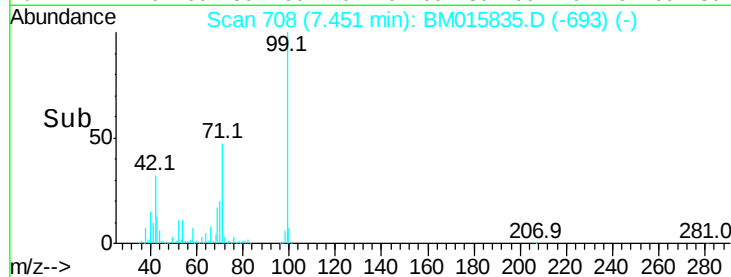
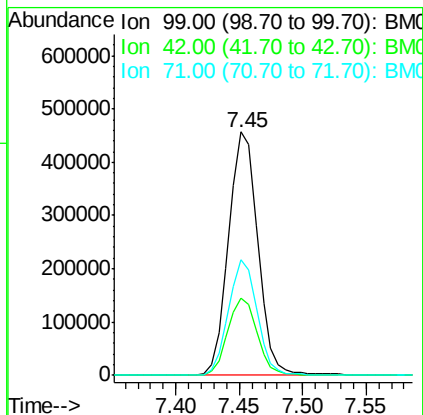
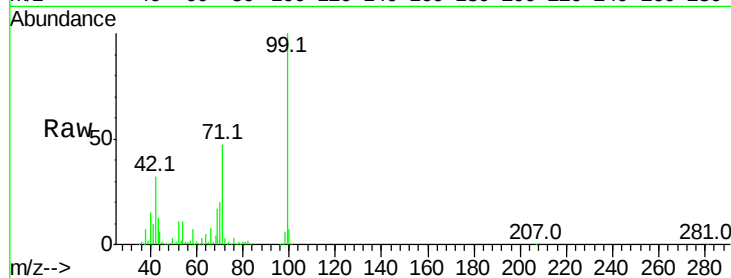
Tot Ion: 99 Resp: 733587

Ion Ratio Lower Upper

99 100

42 31.6 11.0 16.4#

71 47.3 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.13 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BM015835.D

Acq: 07 Jul 2018 11:42

Tgt Ion: 136 Resp: 303327

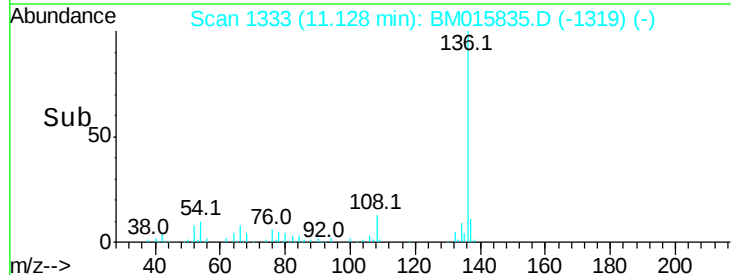
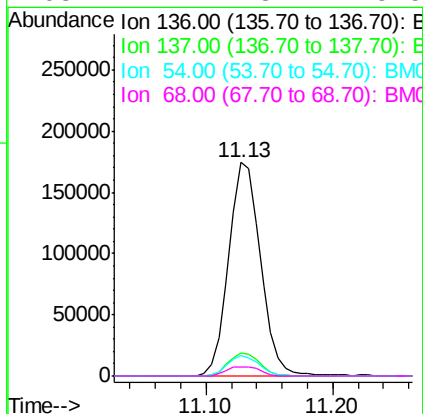
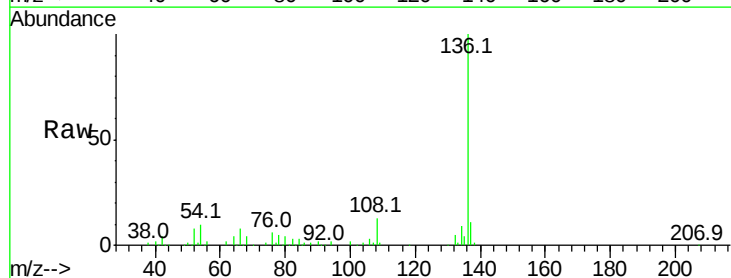
Ion Ratio Lower Upper

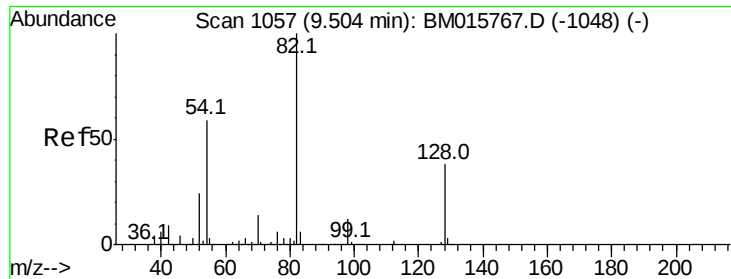
136 100

137 10.8 8.7 13.1

54 9.7 4.6 6.8#

68 4.4 3.7 5.5

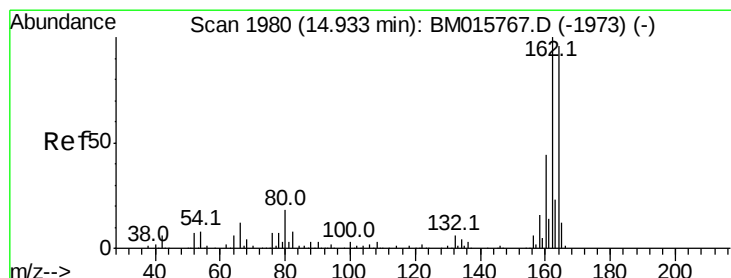
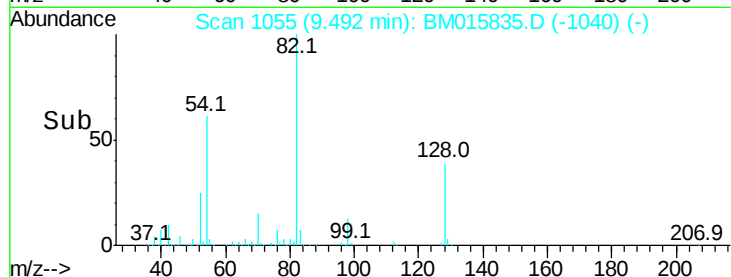
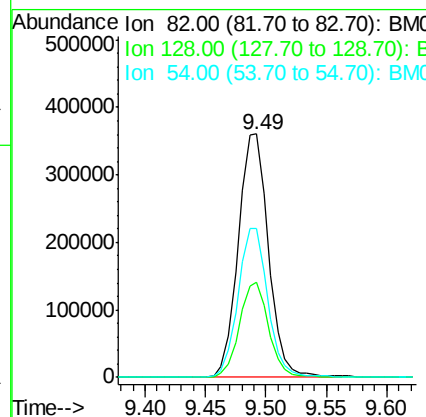
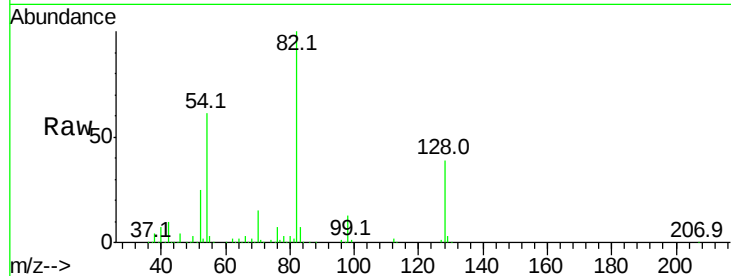




#23
 Nitrobenzene-d5
 Concen: Below na
 RT: 9.49 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BM015835.D
 Acq: 07 Jul 2018 11:42

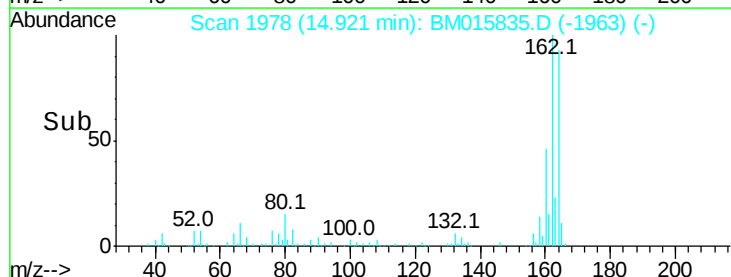
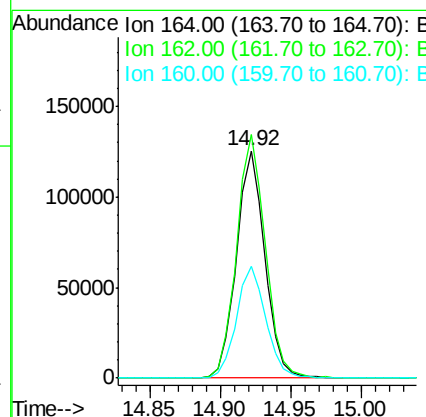
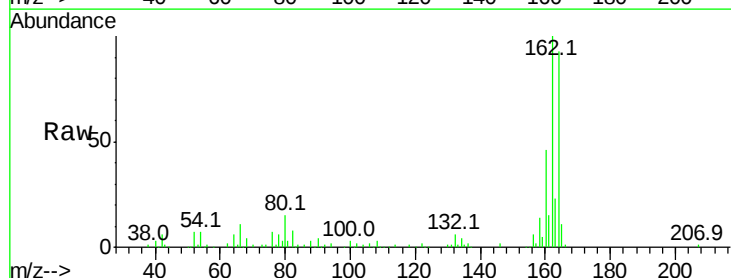
Instrument :
 BNA_M
 ClientSampleId :
 HC-SOIL-2

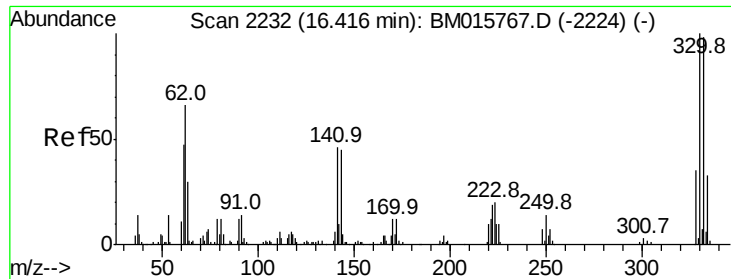
Tot Ion: 82 Resp: 631188
 Ion Ratio Lower Upper
 82 100
 128 38.8 32.8 49.2
 54 61.0 40.6 60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.92 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BM015835.D
 Acq: 07 Jul 2018 11:42

Tgt Ion:164 Resp: 176232
 Ion Ratio Lower Upper
 164 100
 162 107.2 82.4 123.6
 160 49.4 35.8 53.6

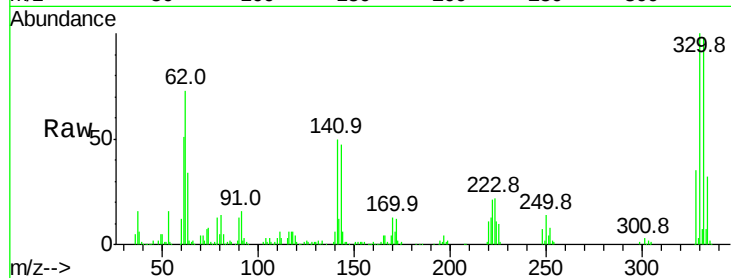




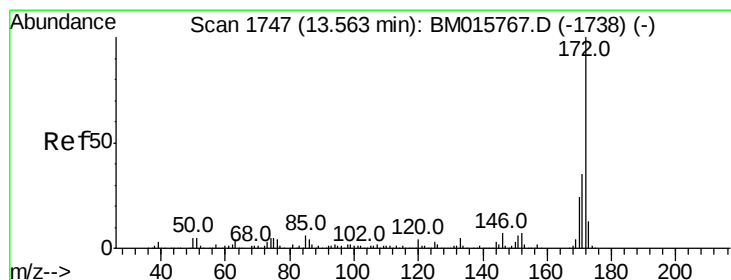
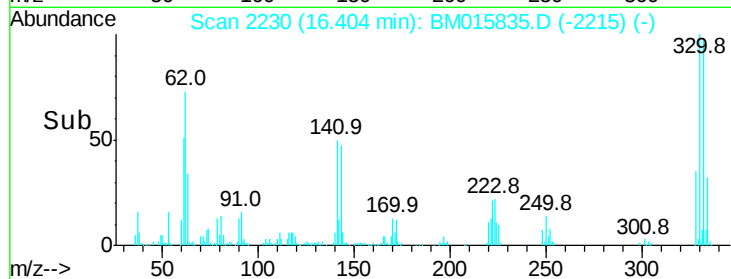
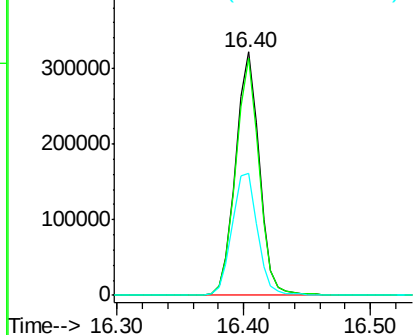
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.40 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BM015835.D
 Acq: 07 Jul 2018 11:42

Instrument :
 BNA_M
 ClientSampled :
 HC-SOIL-2

Tot Ion:330 Resp: 414686
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 53.8 0.0 0.0#

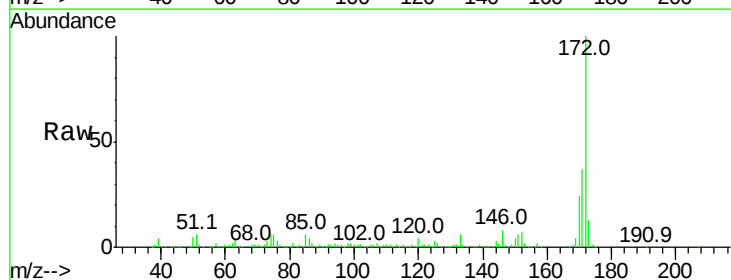


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

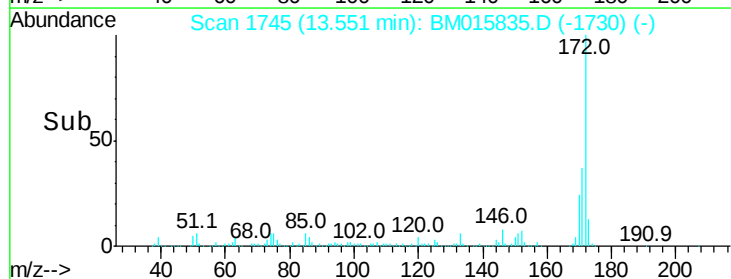
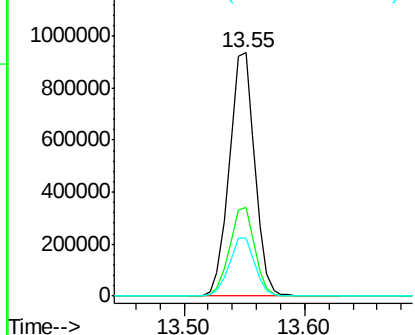


#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.55 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BM015835.D
 Acq: 07 Jul 2018 11:42

Tgt Ion:172 Resp: 1376852
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.5 42.7
 170 24.1 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

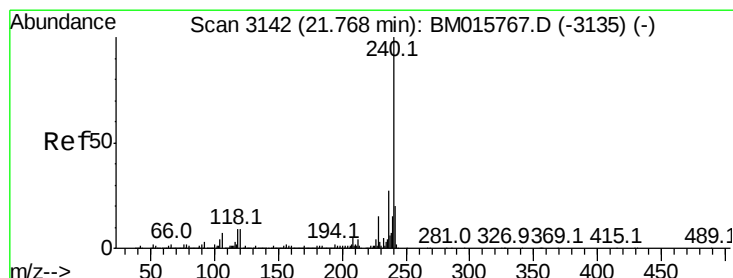
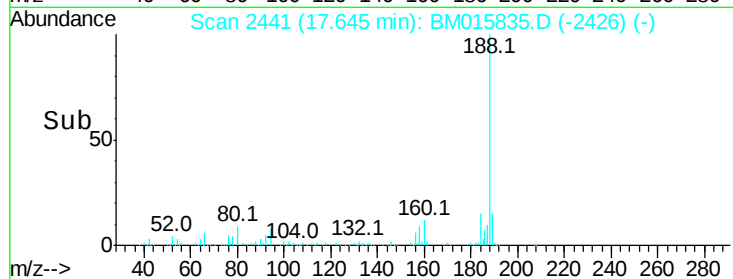
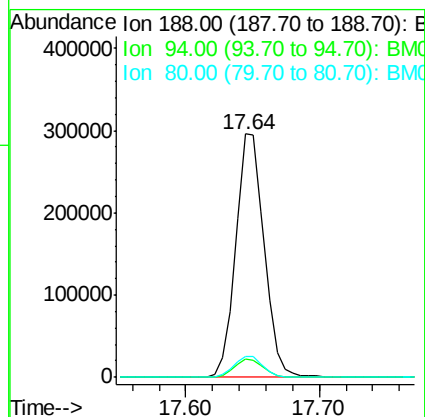
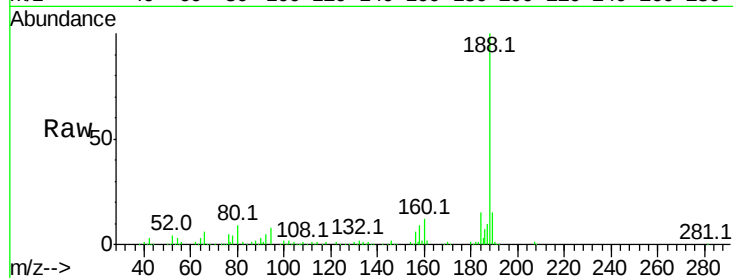




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BM015835.D
Acq: 07 Jul 2018 11:42

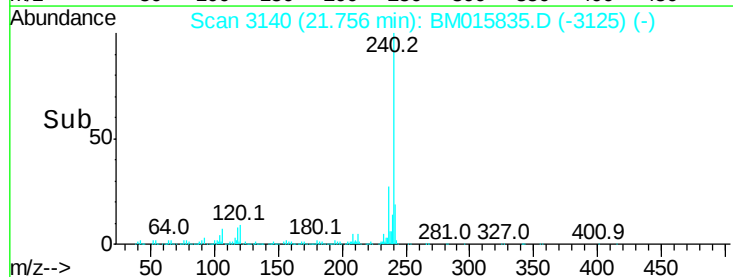
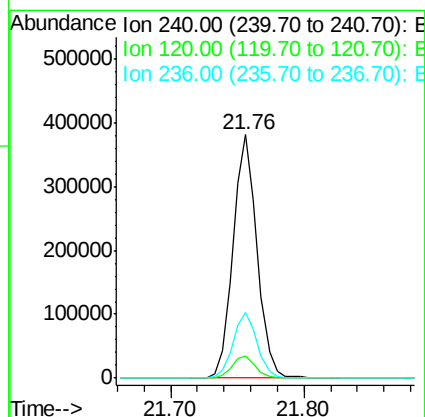
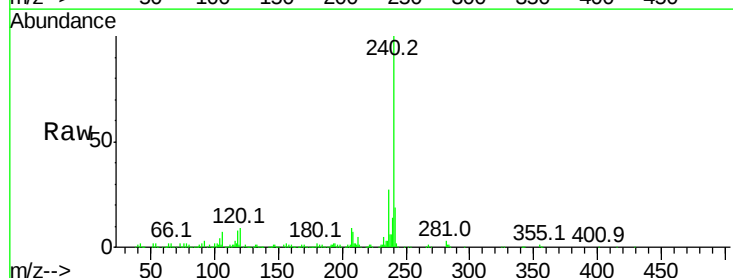
Instrument :
BNA_M
ClientSampleId :
HC-SOIL-2

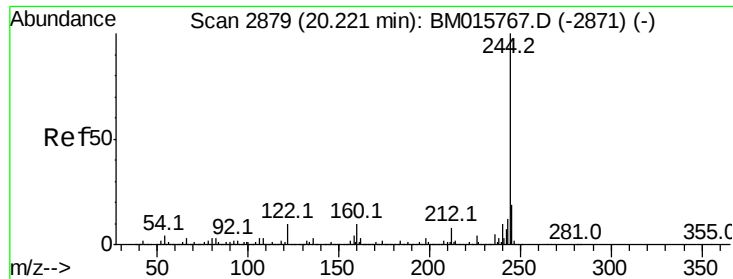
Tot Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.7	13.1#
80	8.7	9.3	13.9#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BM015835.D
Acq: 07 Jul 2018 11:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.2	12.2
236	26.8	20.0	30.0





#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.21 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BM015835.D

Acq: 07 Jul 2018 11:42

Instrument :

BNA_M

ClientSampleId :

HC-SOIL-2

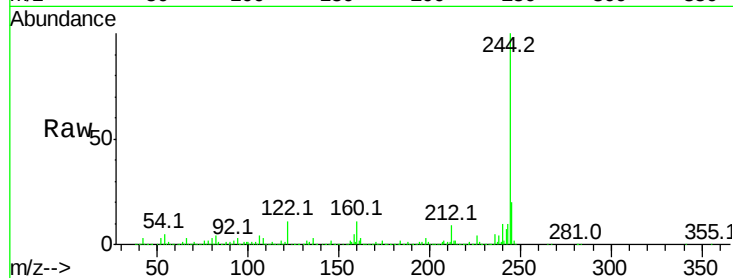
Tot Ion:244 Resp: 3018276

Ion Ratio Lower Upper

244 100

212 8.6 4.9 7.3#

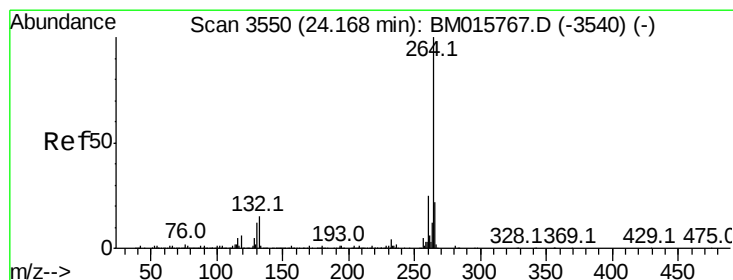
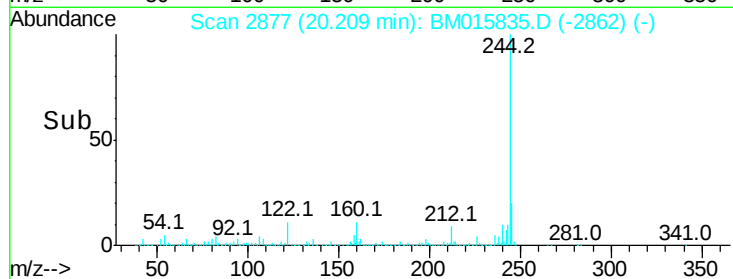
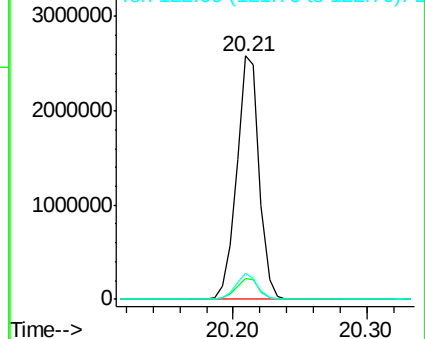
122 10.6 6.2 9.4#



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: 24.16 min Scan# 3548

Delta R.T. -0.01 min

Lab File: BM015835.D

Acq: 07 Jul 2018 11:42

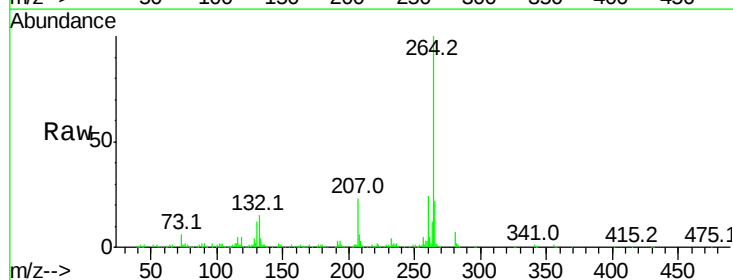
Tgt Ion:264 Resp: 473682

Ion Ratio Lower Upper

264 100

260 24.2 18.6 27.8

265 21.9 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

