

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070618\
 Data File : BM015834.D
 Acq On : 07 Jul 2018 11:05
 Operator : SJ/JU
 Sample : J3852-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HC-SOIL-1

Quant Time: Jul 09 00:55:02 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	112373	20.00	ng	-0.01
21) Naphthalene-d8	11.13	136	451984	20.00	ng	-0.02
38) Acenaphthene-d10	14.92	164	265467	20.00	ng	-0.01
63) Phenanthrene-d10	17.65	188	643210	20.00	ng	-0.01
75) Chrysene-d12	21.76	240	666537	20.00	ng	-0.01
86) Perylene-d12	24.16	264	637438	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	961126	146.68	ng	0.00
7) Phenol-d6	7.46	99	1118562	124.69	ng	0.00
23) Nitrobenzene-d5	9.49	82	957079	103.32	ng	-0.01
41) 2,4,6-Tribromophenol	16.40	330	648910	187.08	ng	-0.01
44) 2-Fluorobiphenyl	13.55	172	2118216	99.06	ng	-0.01
78) Terphenyl-d14	20.22	244	4364296	121.45	ng	0.00

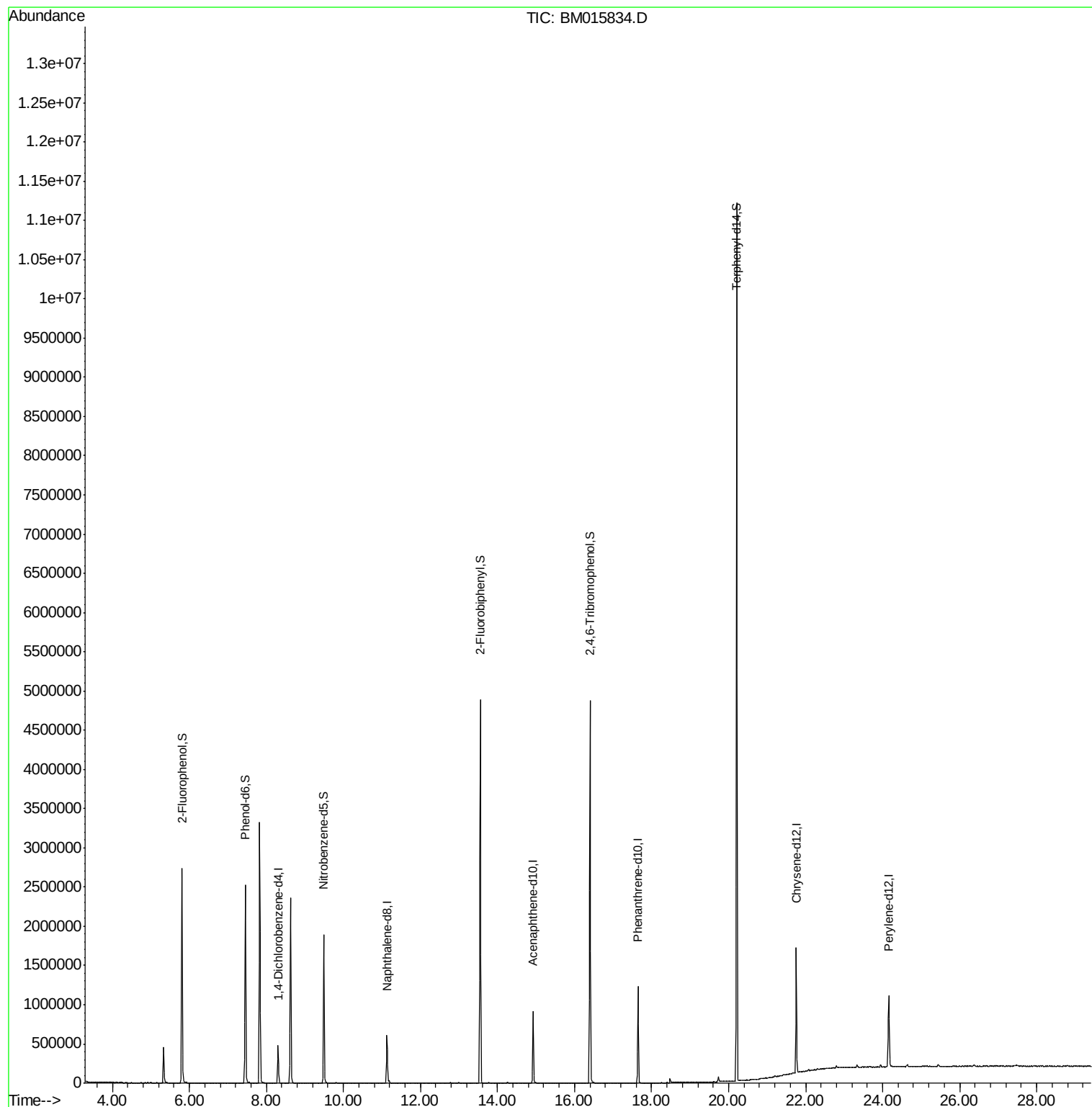
Target Compounds Qvalue

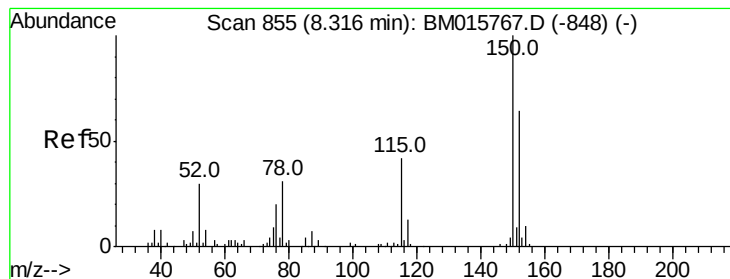
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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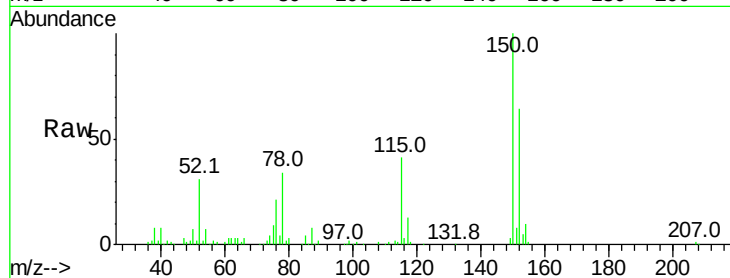


#1

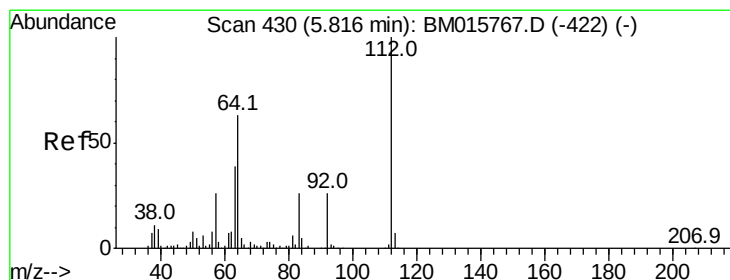
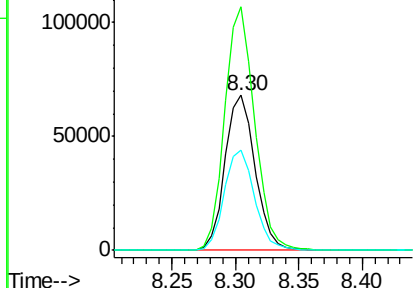
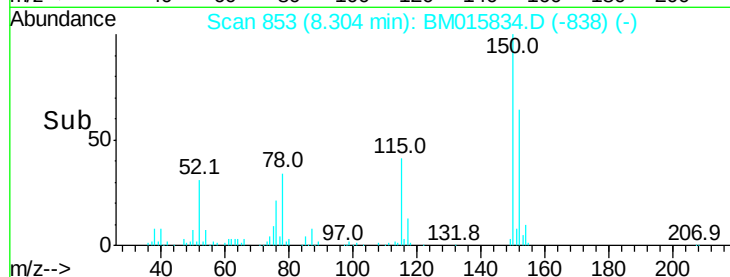
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.30 min Scan# 853
Delta R.T. -0.01 min
Lab File: BM015834.D
Acq: 07 Jul 2018 11:05

Instrument :
BNA_M
ClientSampleId :
HC-SOIL-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	119.5	179.3
115	64.9	43.0	64.4#



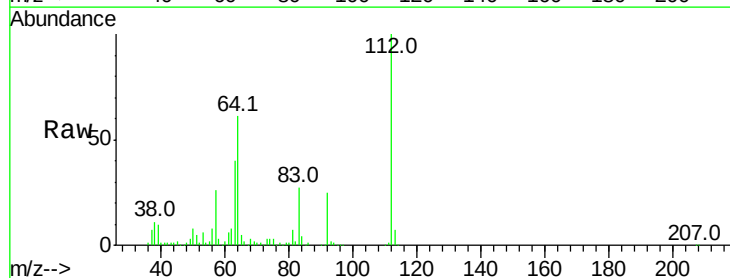
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



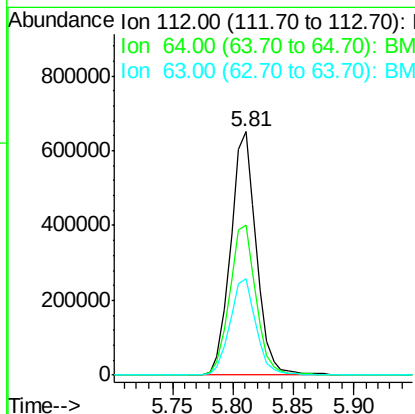
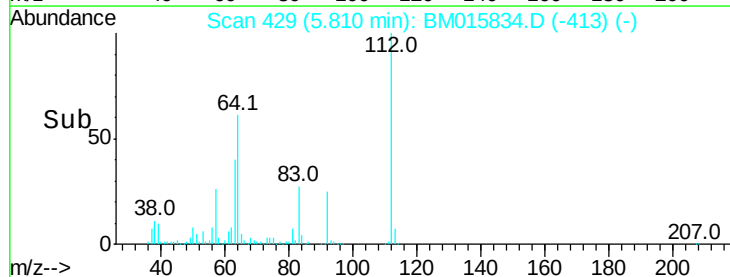
#5

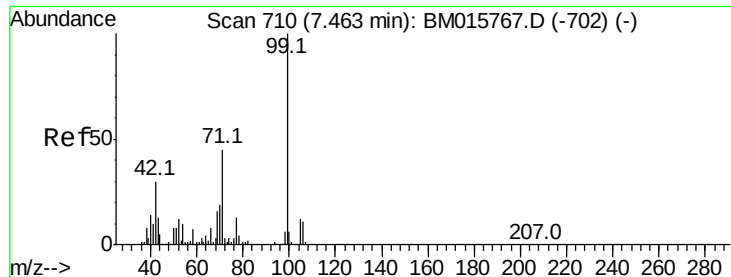
2-Fluorophenol
Concen: Below ng
RT: 5.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BM015834.D
Acq: 07 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	38.6	57.8#
63	39.6	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: 7.46 min Scan# 709

Delta R.T. -0.01 min

Lab File: BM015834.D

Acq: 07 Jul 2018 11:05

Instrument :

BNA_M

ClientSampleId :

HC-SOIL-1

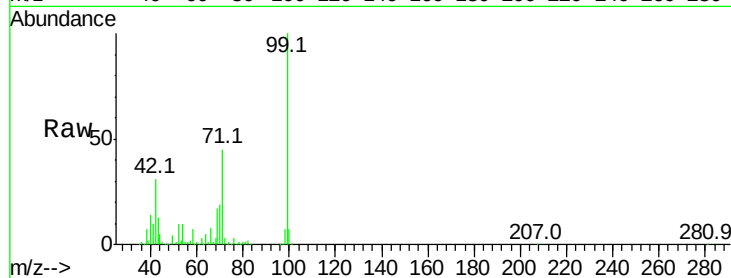
Tot Ion: 99 Resp: 1118562

Ion Ratio Lower Upper

99 100

42 30.7 11.0 16.4#

71 45.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM015767.D (-702) (-)

Ion 42.00 (41.70 to 42.70): BM015767.D (-702) (-)

Ion 71.00 (70.70 to 71.70): BM015767.D (-702) (-)

7.46

800000

600000

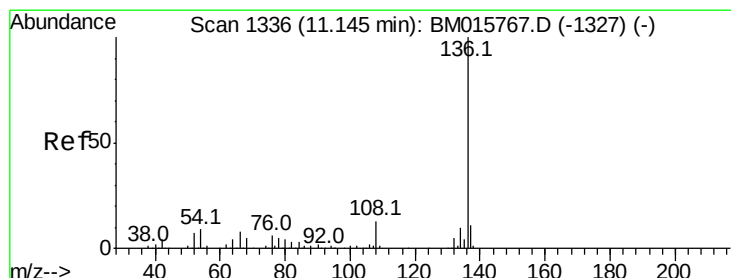
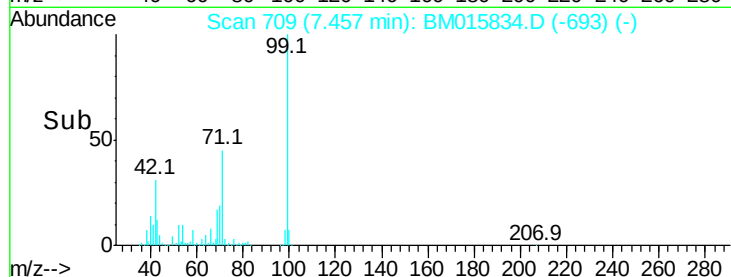
400000

200000

0

7.40 7.45 7.50 7.55

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.13 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BM015834.D

Acq: 07 Jul 2018 11:05

Tgt Ion: 136 Resp: 451984

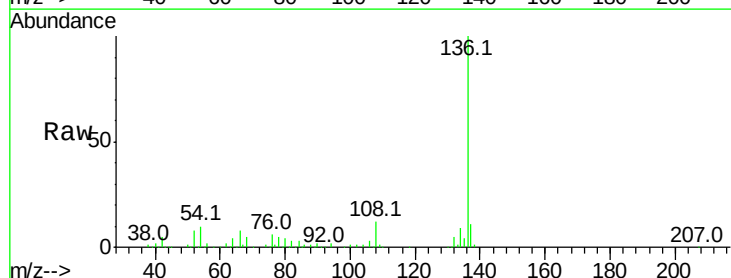
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.5 4.6 6.8#

68 4.7 3.7 5.5



Abundance Ion 136.00 (135.70 to 136.70): BM015767.D (-1327) (-)

Ion 137.00 (136.70 to 137.70): BM015767.D (-1327) (-)

Ion 54.00 (53.70 to 54.70): BM015767.D (-1327) (-)

Ion 68.00 (67.70 to 68.70): BM015767.D (-1327) (-)

400000

300000

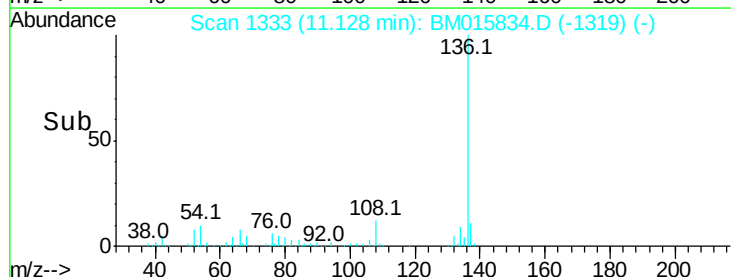
200000

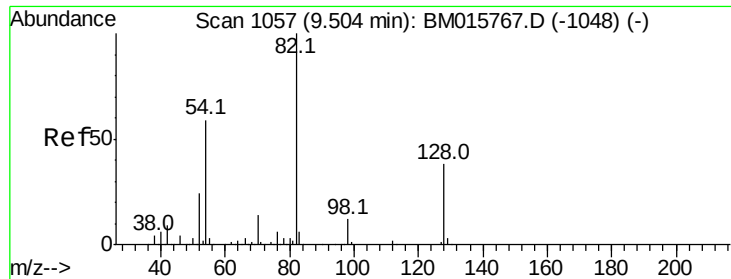
100000

0

11.10 11.20

Time-->

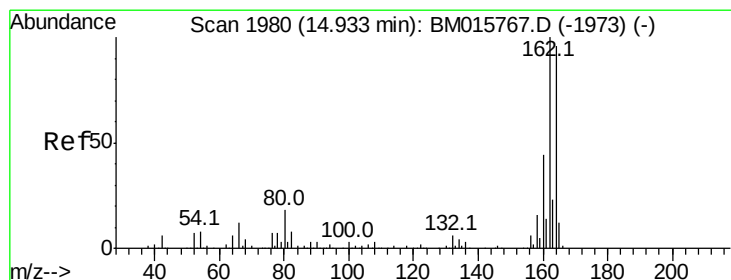
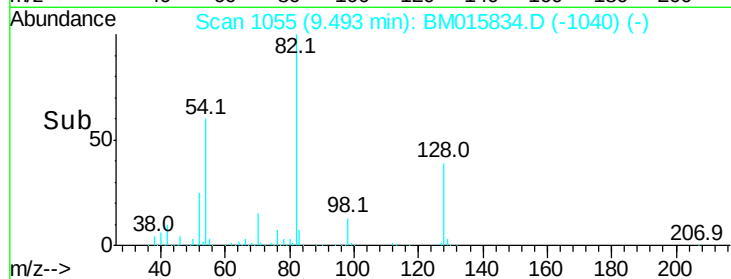
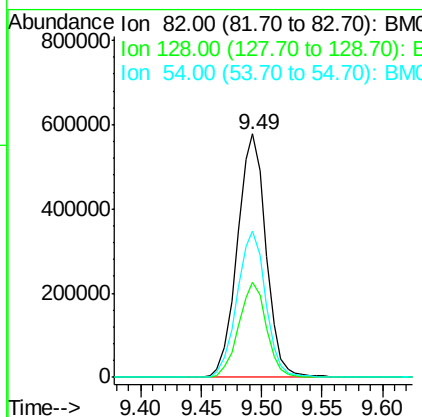
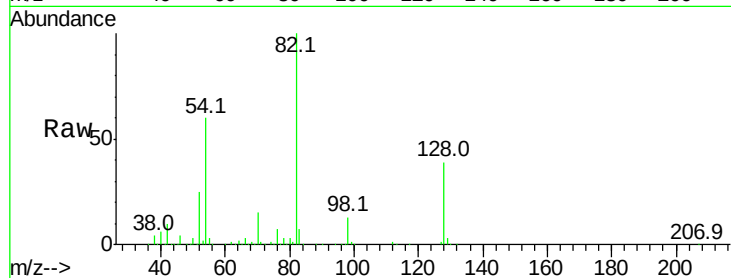




#23
Nitrobenzene-d5
Concen: Below na
RT: 9.49 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BM015834.D
Acq: 07 Jul 2018 11:05

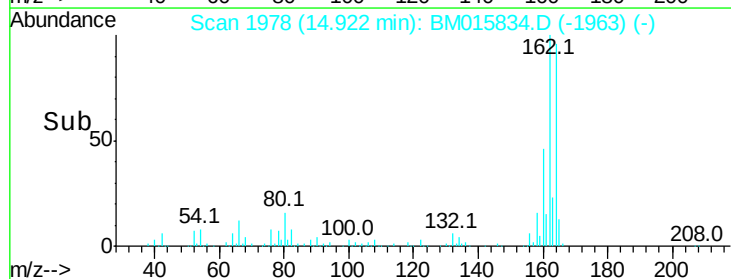
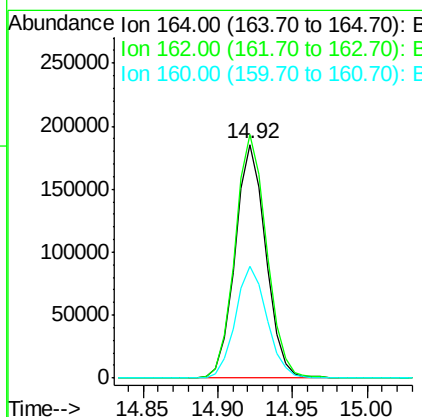
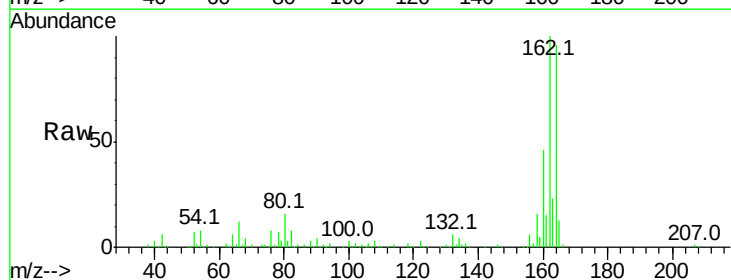
Instrument :
BNA_M
ClientSampleId :
HC-SOIL-1

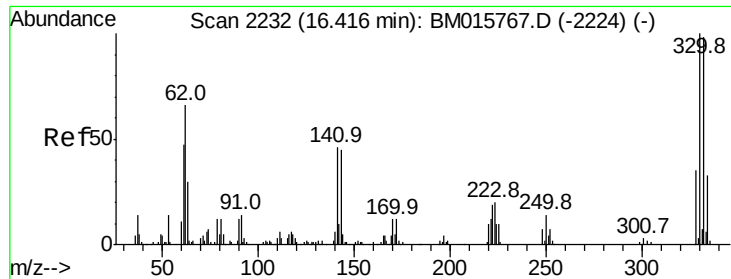
Tot Ion: 82 Resp: 957079
Ion Ratio Lower Upper
82 100
128 38.9 32.8 49.2
54 60.2 40.6 60.8



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.92 min Scan# 1978
Delta R.T. -0.01 min
Lab File: BM015834.D
Acq: 07 Jul 2018 11:05

Tgt Ion: 164 Resp: 265467
Ion Ratio Lower Upper
164 100
162 104.2 82.4 123.6
160 48.1 35.8 53.6

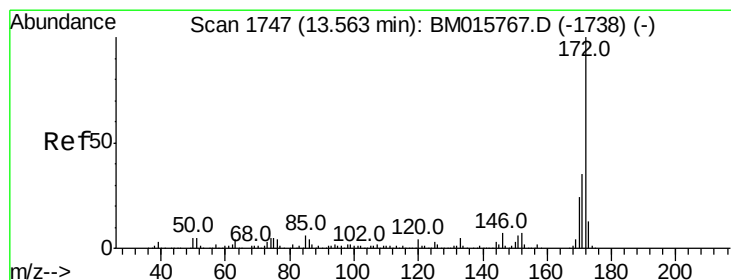
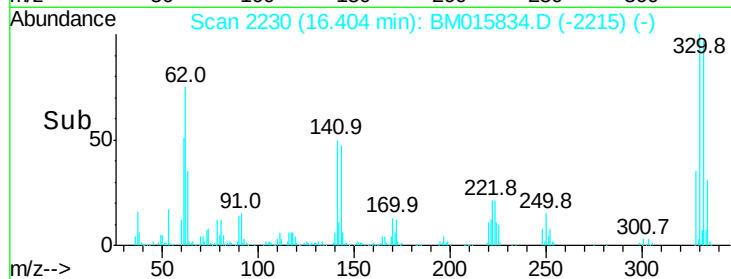
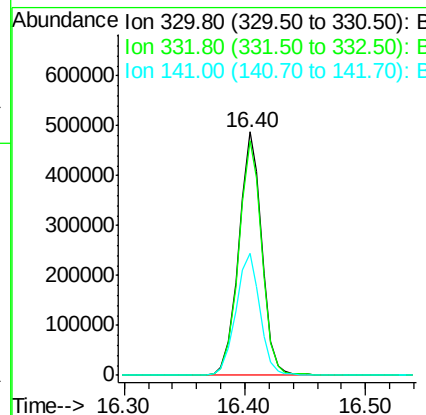
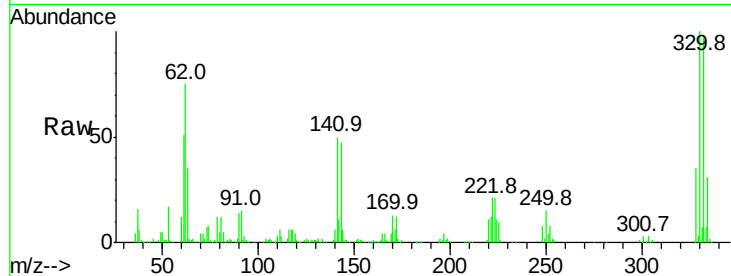




#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.40 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BM015834.D
 Acq: 07 Jul 2018 11:05

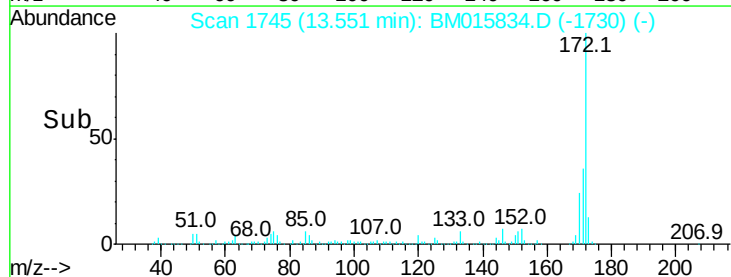
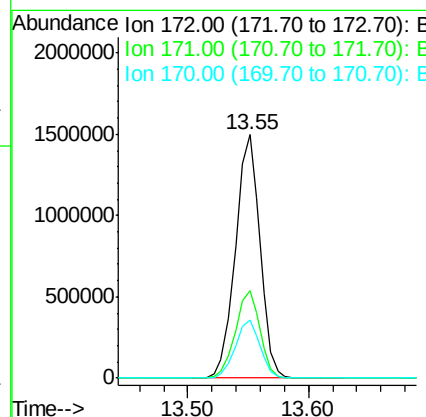
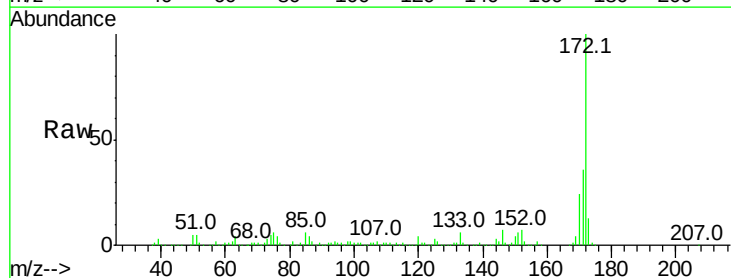
Instrument :
 BNA_M
 ClientSampleId :
 HC-SOIL-1

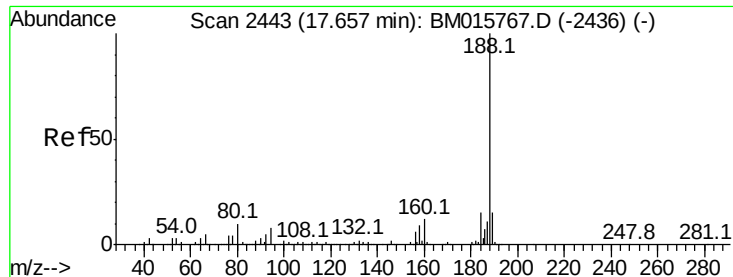
Tot Ion:330 Resp: 648910
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 52.2 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.55 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BM015834.D
 Acq: 07 Jul 2018 11:05

Tgt Ion:172 Resp: 2118216
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.5 42.7
 170 24.1 18.8 28.2

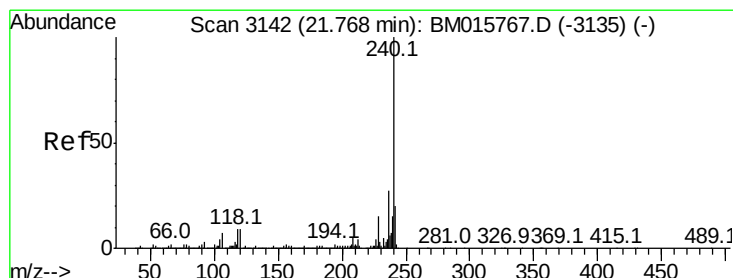
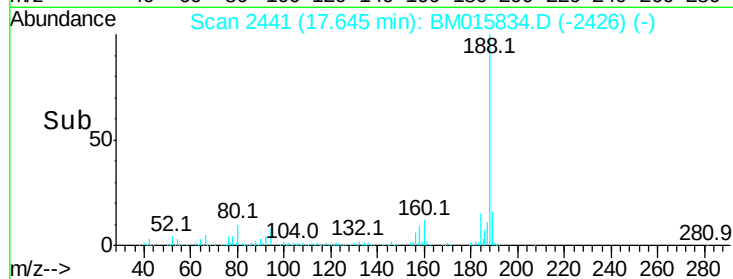
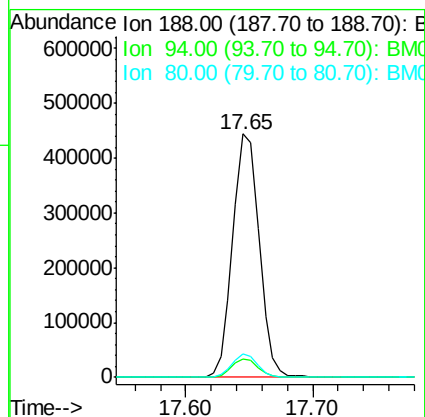
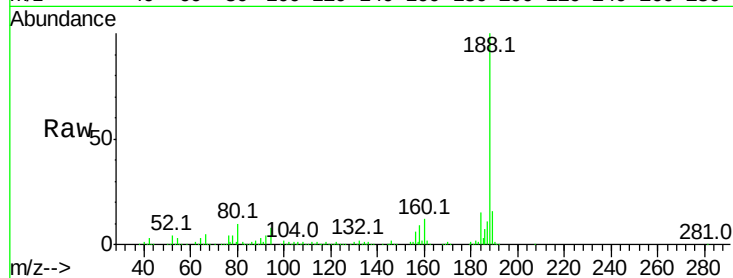




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.65 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BM015834.D
Acq: 07 Jul 2018 11:05

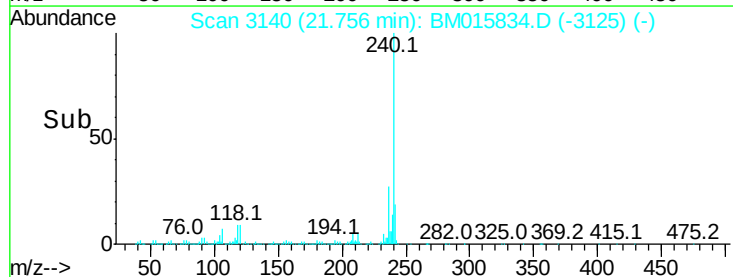
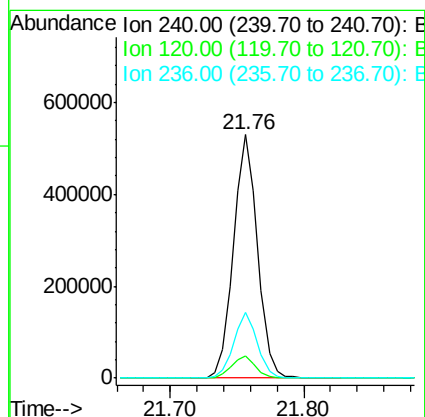
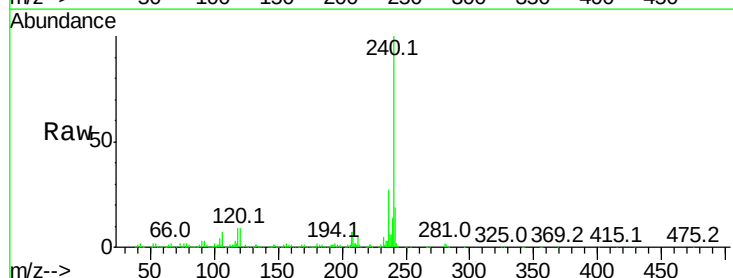
Instrument :
BNA_M
ClientSampleId :
HC-SOIL-1

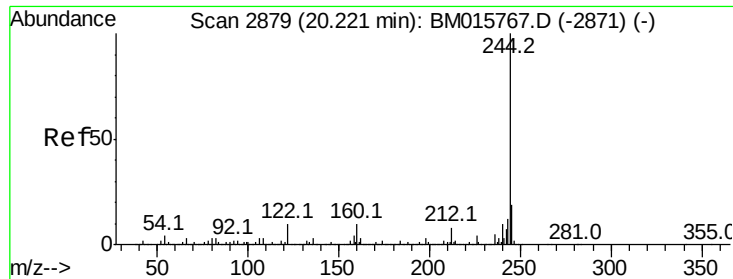
Tot Ion:188 Resp: 643210
Ion Ratio Lower Upper
188 100
94 7.7 8.7 13.1#
80 9.6 9.3 13.9



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BM015834.D
Acq: 07 Jul 2018 11:05

Tgt Ion:240 Resp: 666537
Ion Ratio Lower Upper
240 100
120 9.0 8.2 12.2
236 26.8 20.0 30.0





#78

Terphenyl-d14

Concen: Below na

RT: 20.22 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BM015834.D

Acq: 07 Jul 2018 11:05

Instrument :

BNA_M

ClientSampleId :

HC-SOIL-1

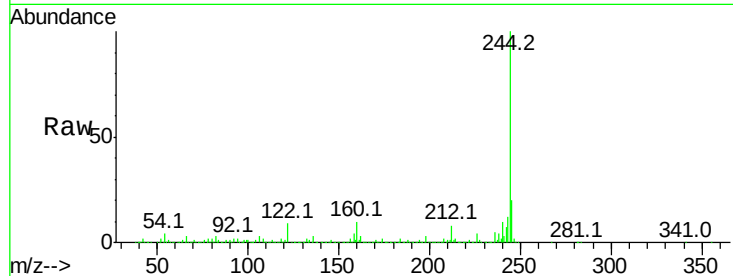
Tot Ion:244 Resp: 4364296

Ion	Ratio	Lower	Upper
244	100		
212	8.1	4.9	7.3#
122	9.4	6.2	9.4#

244 100

212 8.1 4.9 7.3#

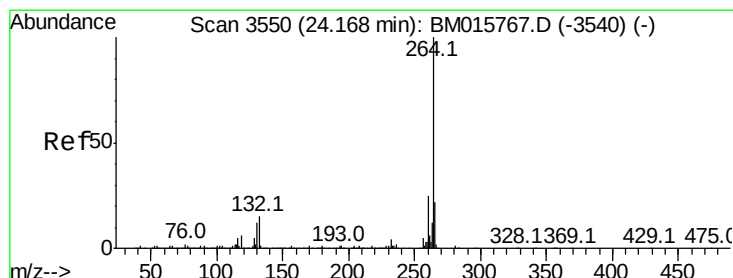
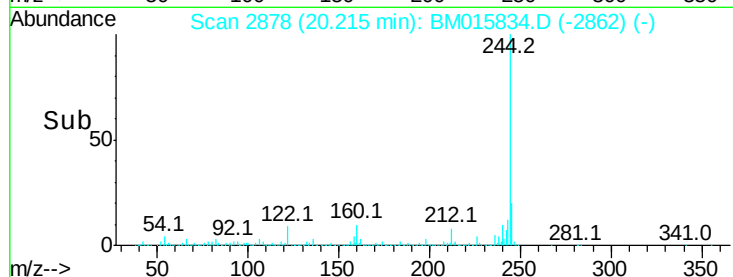
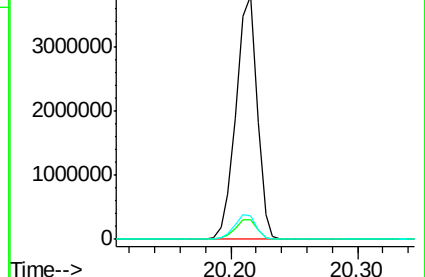
122 9.4 6.2 9.4#



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: BM015834.D

Acq: 07 Jul 2018 11:05

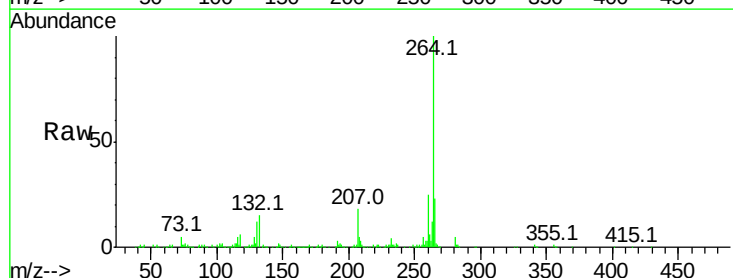
Tgt Ion:264 Resp: 637438

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	22.6	17.3	25.9

264 100

260 24.8 18.6 27.8

265 22.6 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

