

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102318\
 Data File : BM017296.D
 Acq On : 23 Oct 2018 22:05
 Operator : MJ/SJ
 Sample : J5606-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILE

Quant Time: Oct 24 07:46:40 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	256358	20.00	ng	-0.02
21) Naphthalene-d8	10.43	136	984108	20.00	ng	-0.02
39) Acenaphthene-d10	14.30	164	560051	20.00	ng	-0.02
64) Phenanthrene-d10	17.05	188	1356100	20.00	ng	-0.02
76) Chrysene-d12	21.24	240	1558803	20.00	ng	-0.02
87) Perylene-d12	23.46	264	1389976	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1419105	93.63	ng	-0.01
7) Phenol-d6	6.84	99	1709966	82.83	ng	-0.02
23) Nitrobenzene-d5	8.81	82	1314630	78.13	ng	-0.02
42) 2,4,6-Tribromophenol	15.80	330	922566	121.81	ng	-0.02
45) 2-Fluorobiphenyl	12.92	172	3094715	73.52	ng	-0.02
79) Terphenyl-d14	19.69	244	5369561	77.64	ng	-0.01

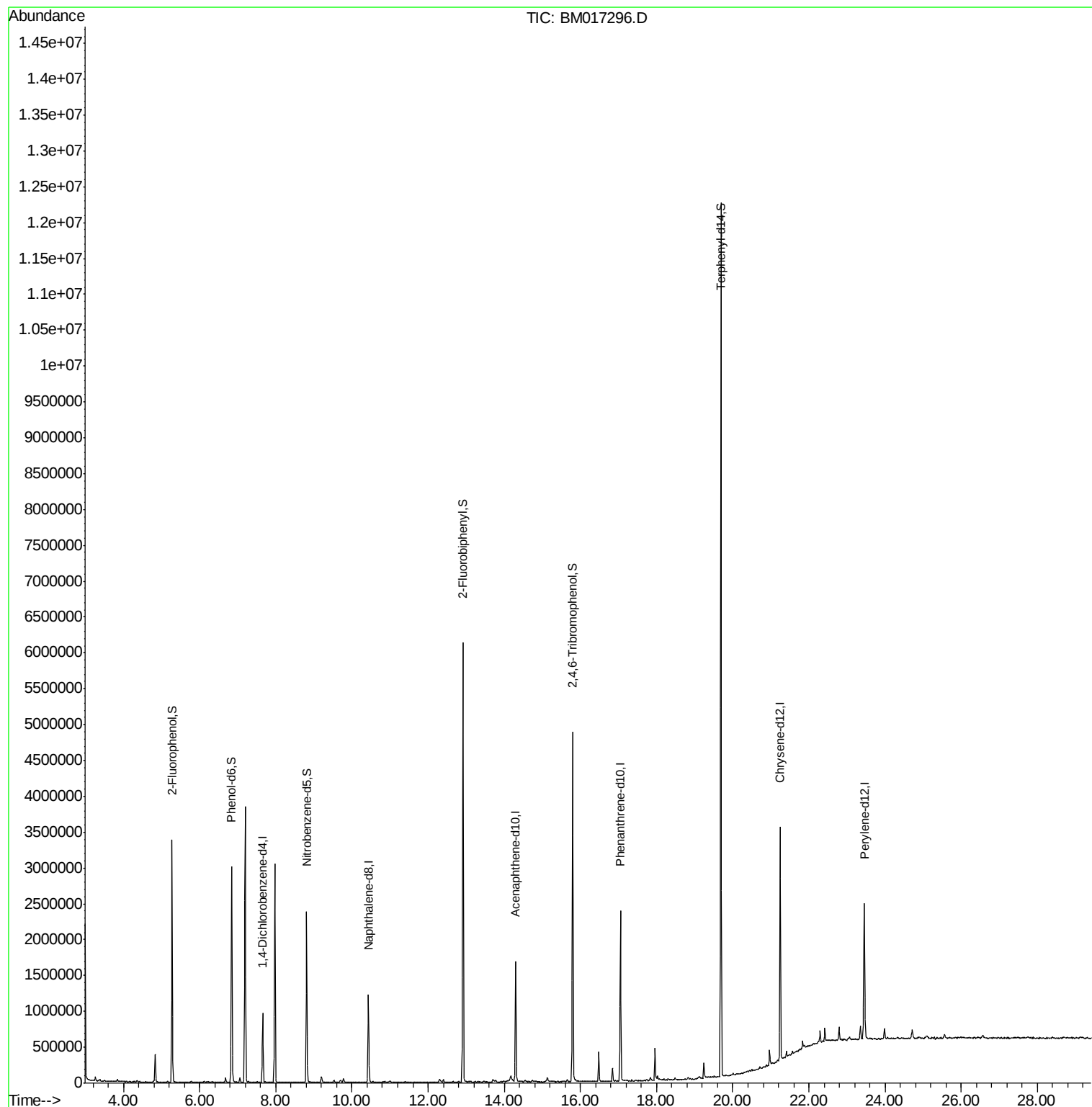
Target Compounds	Qvalue
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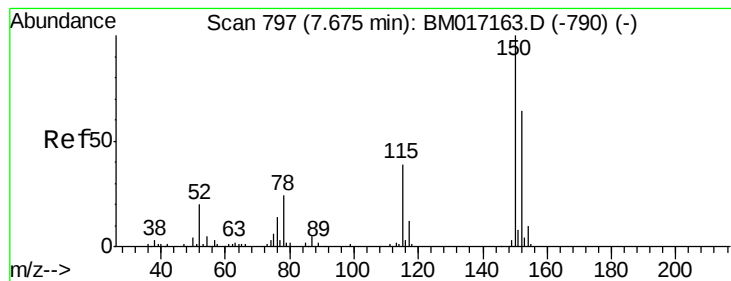
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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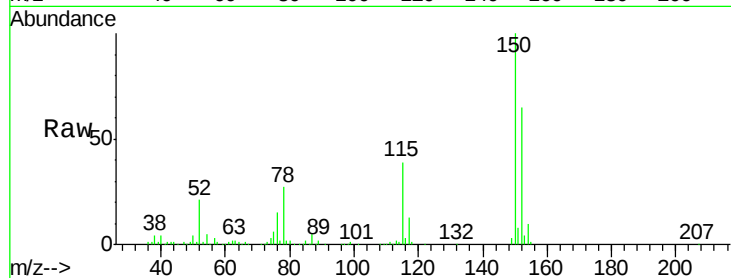


#1

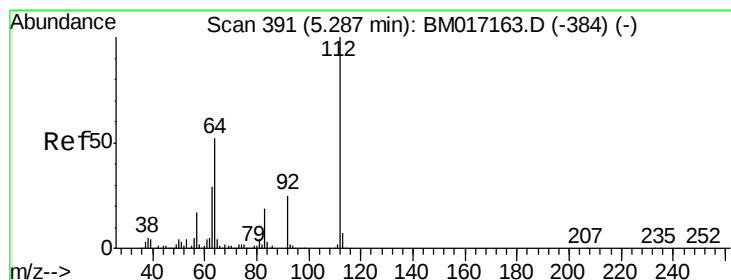
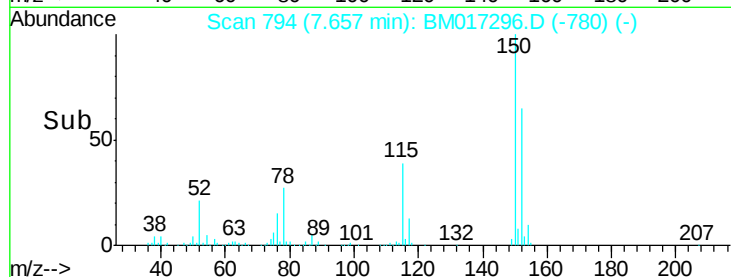
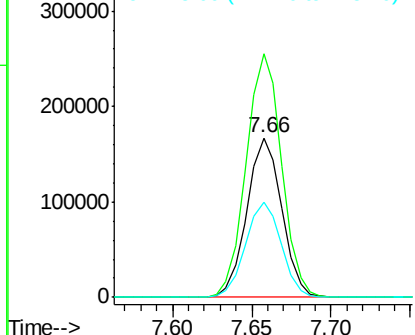
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.02 min
Lab File: BM017296.D
Acq: 23 Oct 2018 22:05

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE

Tgt Ion:152 Resp: 256358
Ion Ratio Lower Upper
152 100
150 152.8 124.3 186.5
115 59.4 48.1 72.1



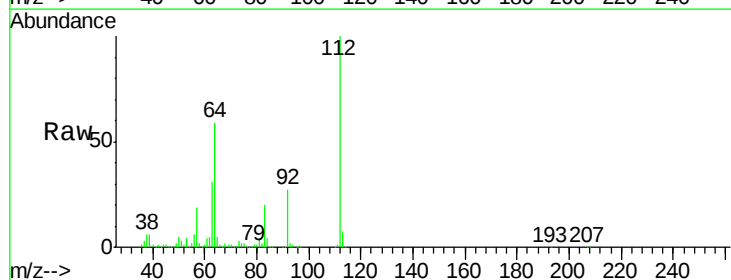
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



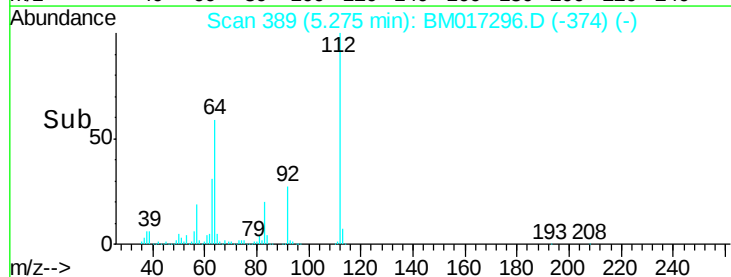
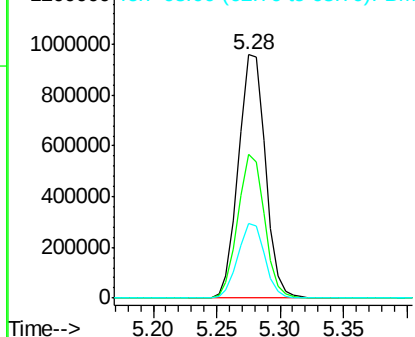
#5

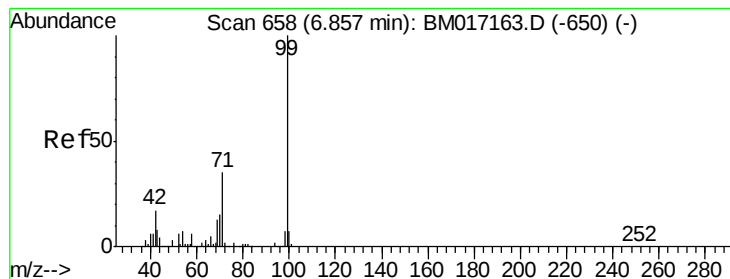
2-Fluorophenol
Concen: 93.626 ng
RT: 5.28 min Scan# 389
Delta R.T. -0.01 min
Lab File: BM017296.D
Acq: 23 Oct 2018 22:05

Tgt Ion:112 Resp: 1419105
Ion Ratio Lower Upper
112 100
64 59.3 41.7 62.5
63 30.6 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: 82.834 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.02 min

Lab File: BM017296.D

Acq: 23 Oct 2018 22:05

Instrument :

BNA_M

ClientSampled :

SOIL-PILE

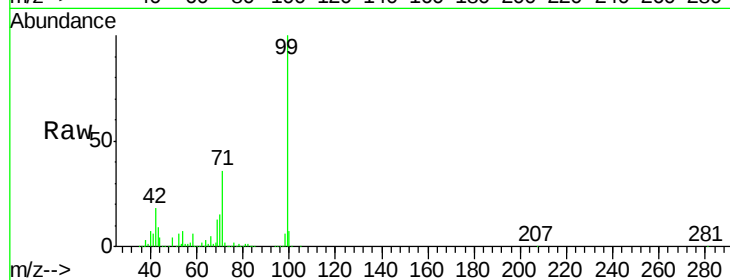
Tgt Ion: 99 Resp: 1709966

Ion Ratio Lower Upper

99 100

42 18.1 13.3 19.9

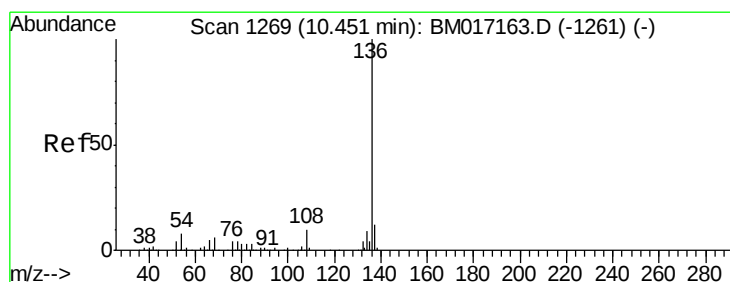
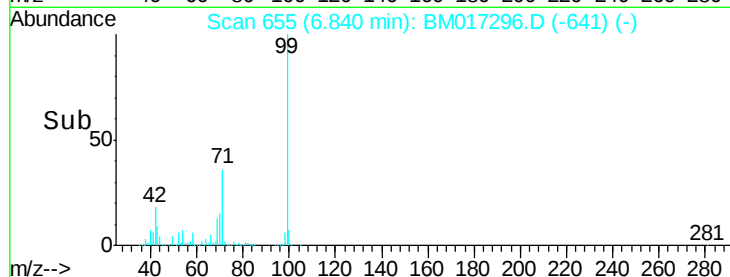
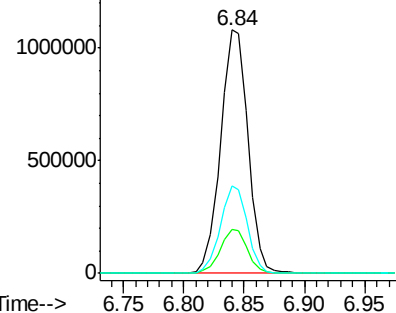
71 36.1 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017163.D (-650) (-)

Ion 42.00 (41.70 to 42.70): BM017163.D (-650) (-)

Ion 71.00 (70.70 to 71.70): BM017163.D (-650) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BM017296.D

Acq: 23 Oct 2018 22:05

Tgt Ion: 136 Resp: 984108

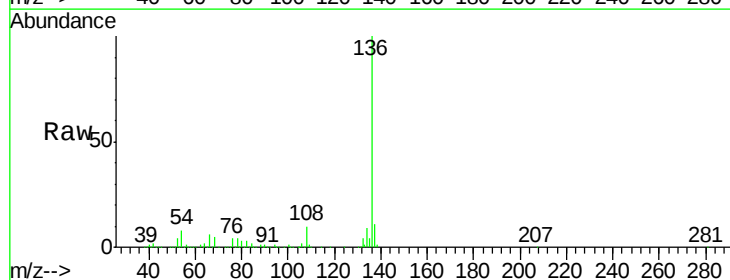
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 7.7 6.7 10.1

68 5.5 4.7 7.1

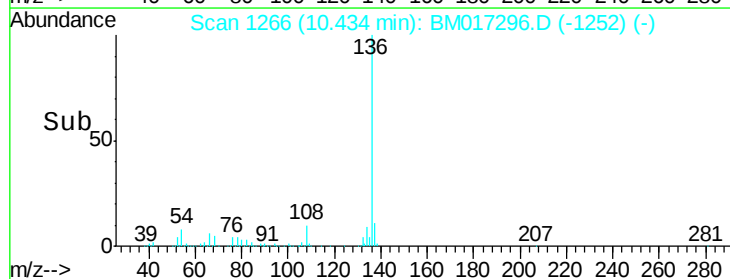
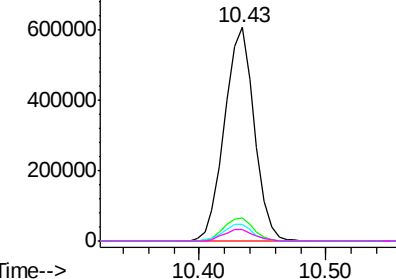


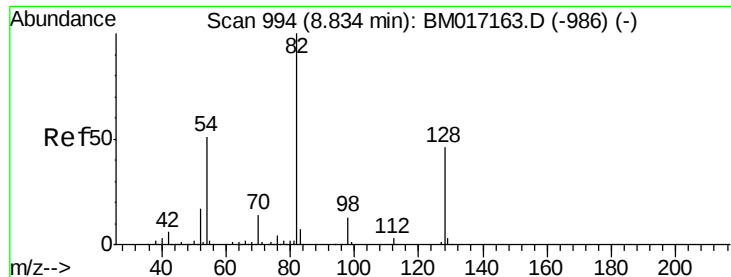
Abundance Ion 136.00 (135.70 to 136.70): BM017163.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM017163.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM017163.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM017163.D (-1261) (-)

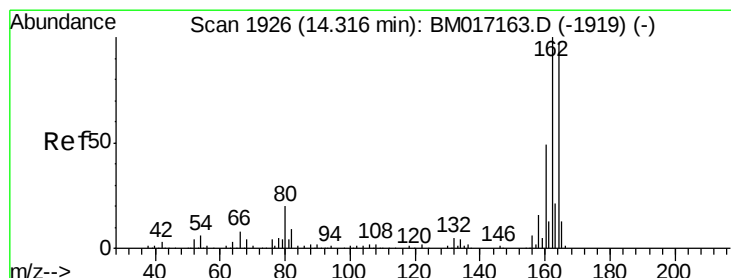
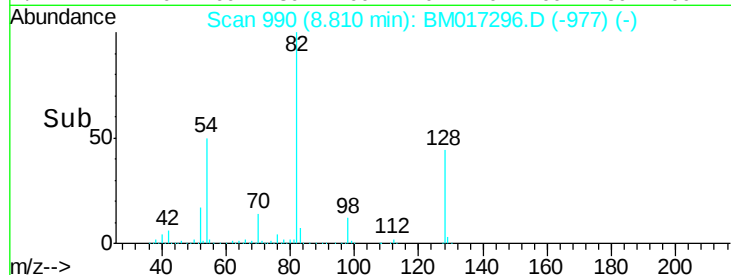
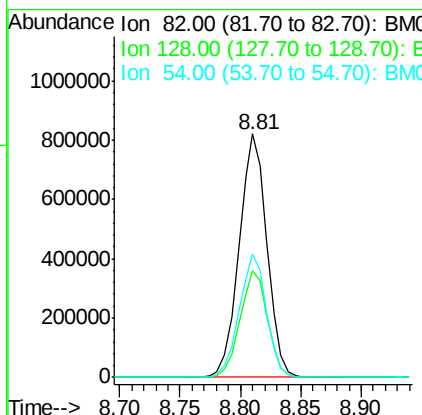
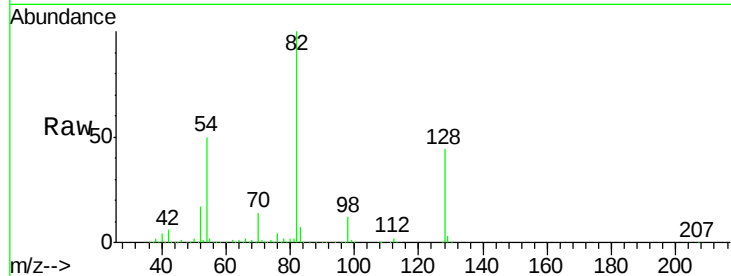




#23
 Nitrobenzene-d5
 Concen: 78.129 ng
 RT: 8.81 min Scan# 990
 Delta R.T. -0.02 min
 Lab File: BM017296.D
 Acq: 23 Oct 2018 22:05

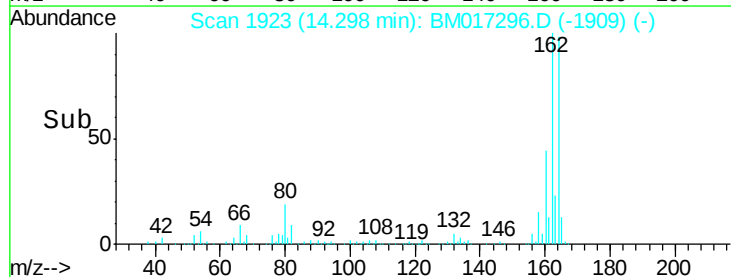
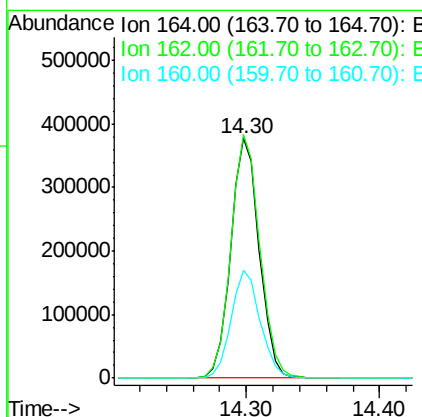
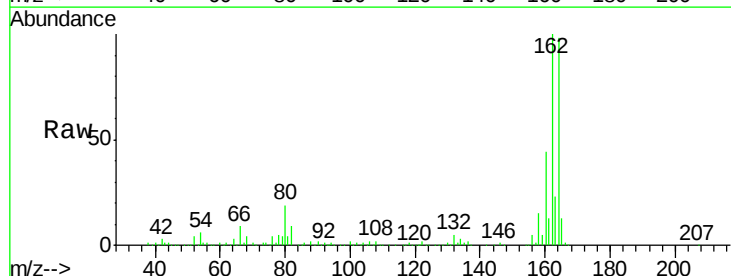
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILE

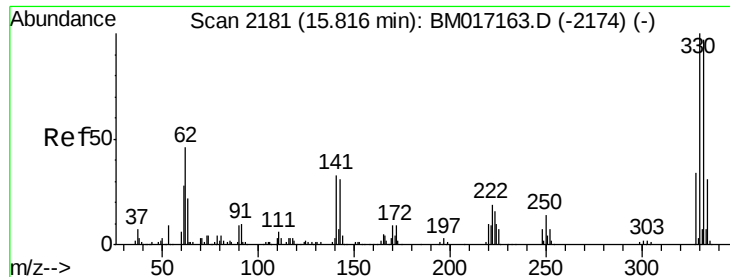
Tgt Ion: 82 Resp: 1314630
 Ion Ratio Lower Upper
 82 100
 128 43.7 37.0 55.6
 54 50.4 40.7 61.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1923
 Delta R.T. -0.02 min
 Lab File: BM017296.D
 Acq: 23 Oct 2018 22:05

Tgt Ion: 164 Resp: 560051
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.1 123.1
 160 44.9 40.2 60.2





#42

2,4,6-Tribromophenol

Concen: 121.809 ng

RT: 15.80 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BM017296.D

Acq: 23 Oct 2018 22:05

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE

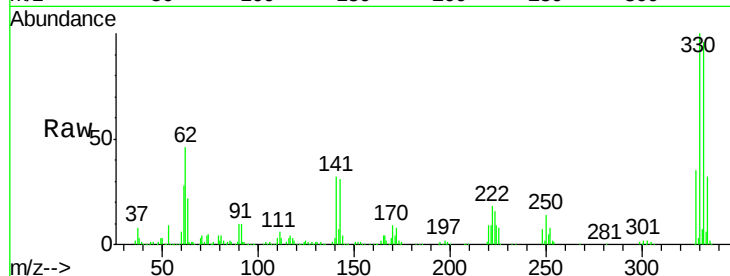
Tgt Ion:330 Resp: 922566

Ion Ratio Lower Upper

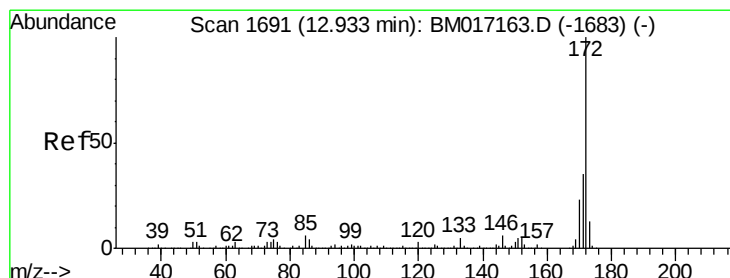
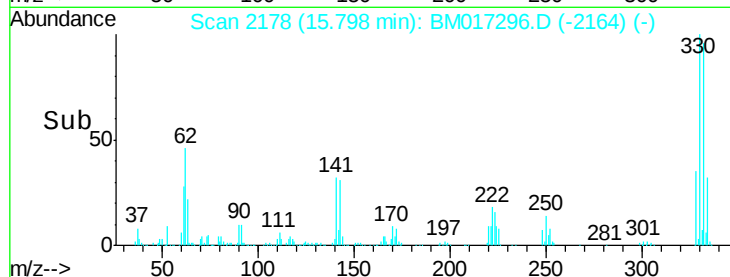
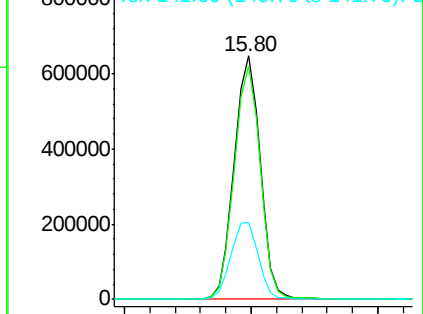
330 100

332 95.8 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: 73.523 ng

RT: 12.92 min Scan# 1688

Delta R.T. -0.02 min

Lab File: BM017296.D

Acq: 23 Oct 2018 22:05

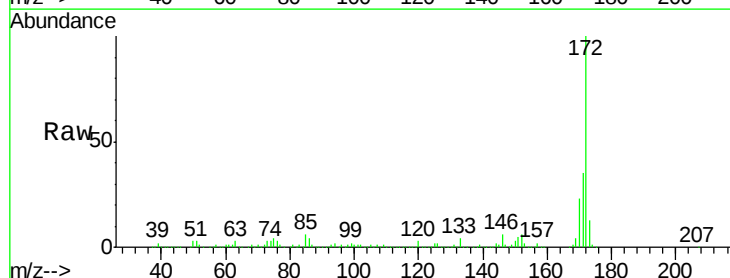
Tgt Ion:172 Resp: 3094715

Ion Ratio Lower Upper

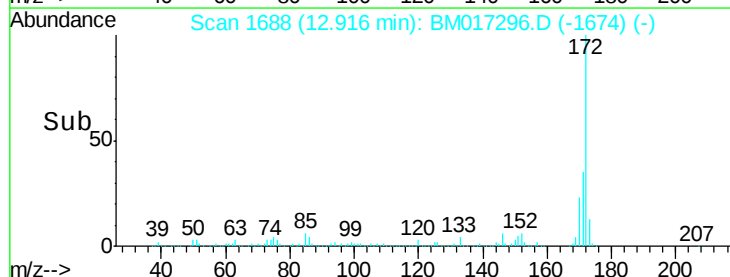
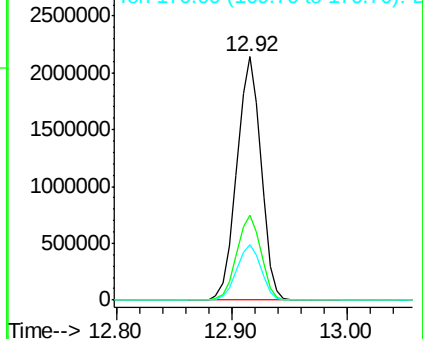
172 100

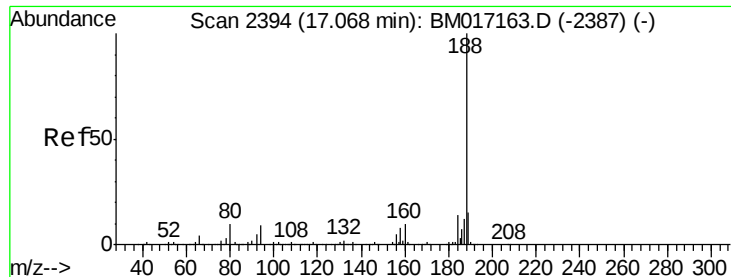
171 35.0 28.3 42.5

170 22.5 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

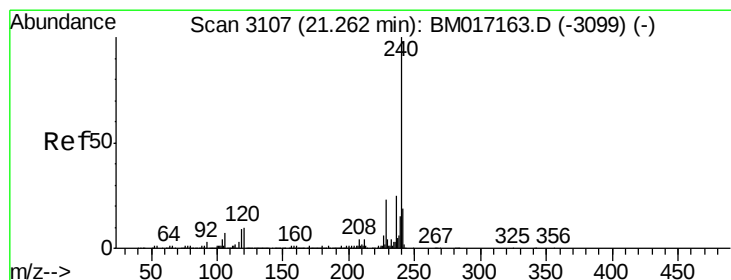
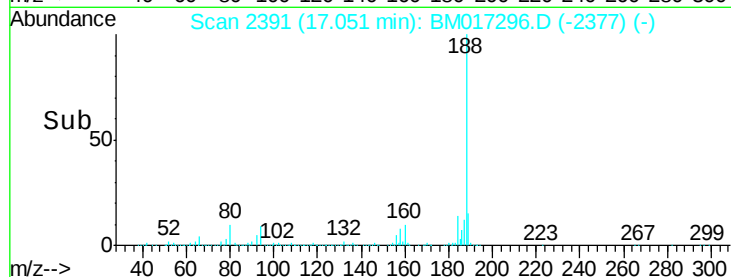
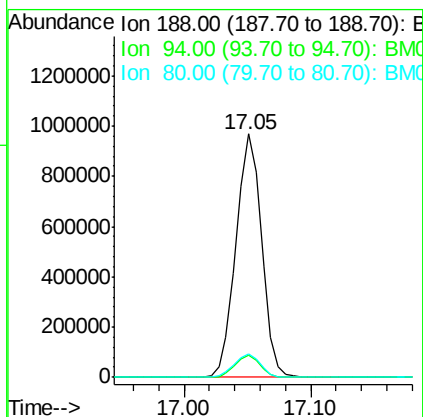
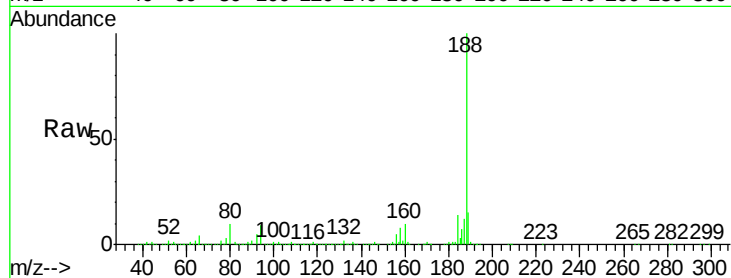




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2391
Delta R.T. -0.02 min
Lab File: BM017296.D
Acq: 23 Oct 2018 22:05

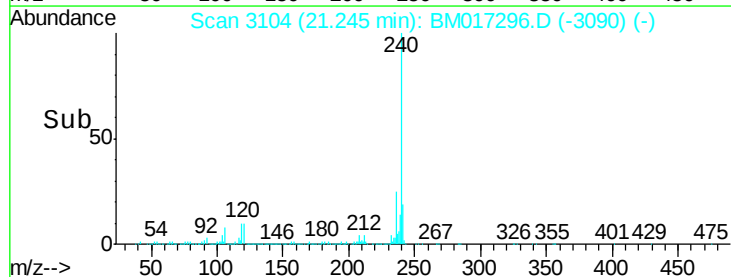
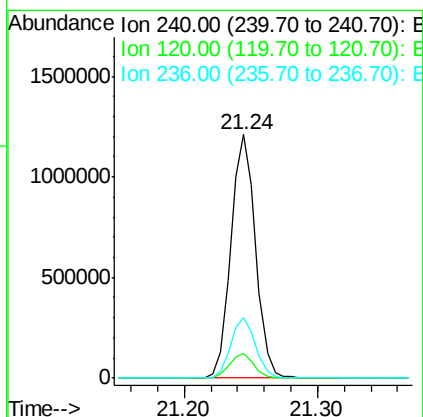
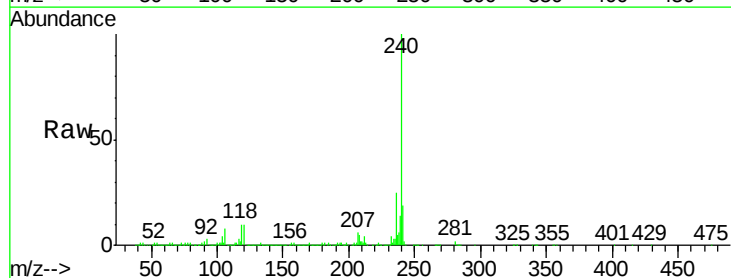
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE

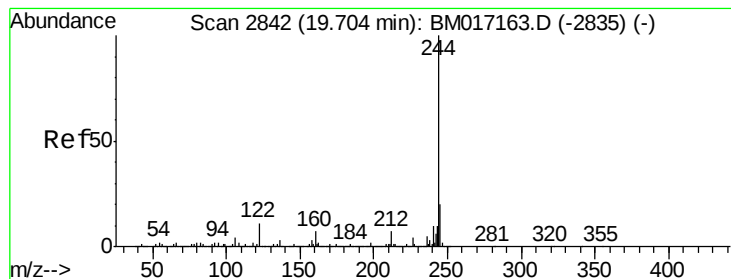
Tgt Ion:188 Resp: 1356100
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.4
80 9.7 7.7 11.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.24 min Scan# 3104
Delta R.T. -0.02 min
Lab File: BM017296.D
Acq: 23 Oct 2018 22:05

Tgt Ion:240 Resp: 1558803
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 25.0 19.9 29.9





#79

Terphenyl-d14

Concen: 77.643 ng

RT: 19.69 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BM017296.D

Acq: 23 Oct 2018 22:05

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE

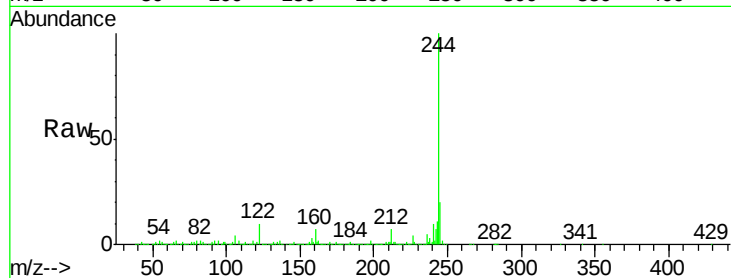
Tgt Ion:244 Resp: 5369561

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

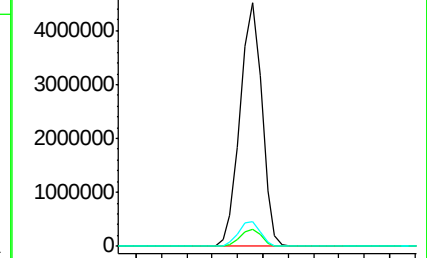
122 10.2 8.4 12.6



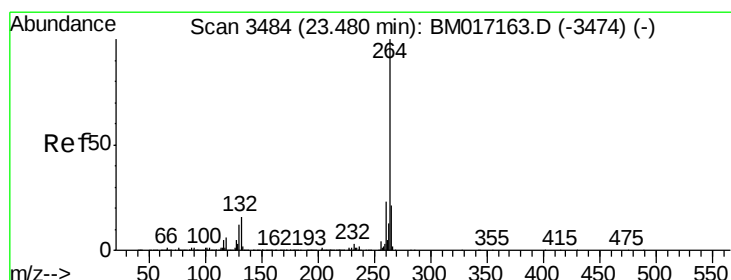
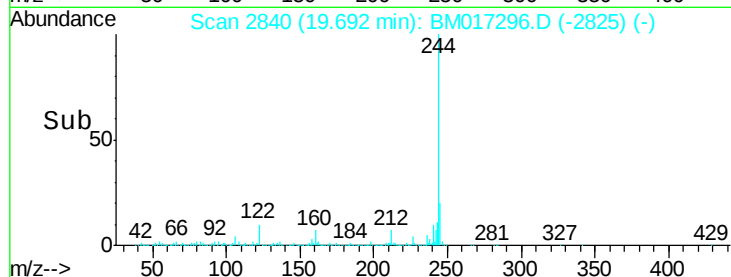
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.46 min Scan# 3480

Delta R.T. -0.02 min

Lab File: BM017296.D

Acq: 23 Oct 2018 22:05

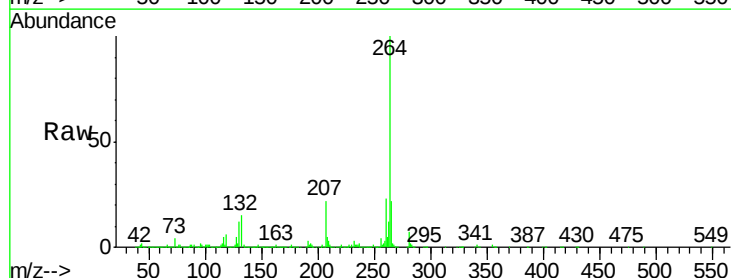
Tgt Ion:264 Resp: 1389976

Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

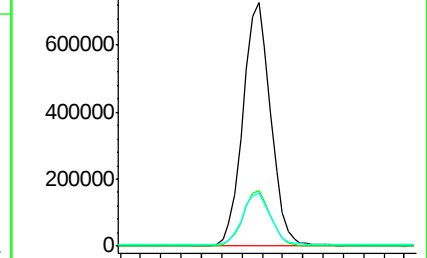
265 21.9 17.8 26.8



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



Time-->

