

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM042219\
 Data File : BM020018.D
 Acq On : 22 Apr 2019 22:31
 Operator : JU/SJ
 Sample : K2510-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILE-A

Quant Time: Apr 23 02:15:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM041519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 00:56:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	89775	20.00	ng	0.00
21) Naphthalene-d8	10.29	136	298424	20.00	ng	0.00
39) Acenaphthene-d10	14.17	164	169235	20.00	ng	0.00
64) Phenanthrene-d10	16.94	188	380490	20.00	ng	0.00
76) Chrysene-d12	21.16	240	426794	20.00	ng	0.00
87) Perylene-d12	23.34	264	528046	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	688887	124.36	ng	-0.01
7) Phenol-d6	6.70	99	744208	89.27	ng	-0.01
23) Nitrobenzene-d5	8.67	82	646611	96.90	ng	-0.01
42) 2,4,6-Tribromophenol	15.69	330	344716	126.54	ng	0.00
45) 2-Fluorobiphenyl	12.77	172	1248003	91.90	ng	-0.01
79) Terphenyl-d14	19.59	244	2384017	98.53	ng	0.00

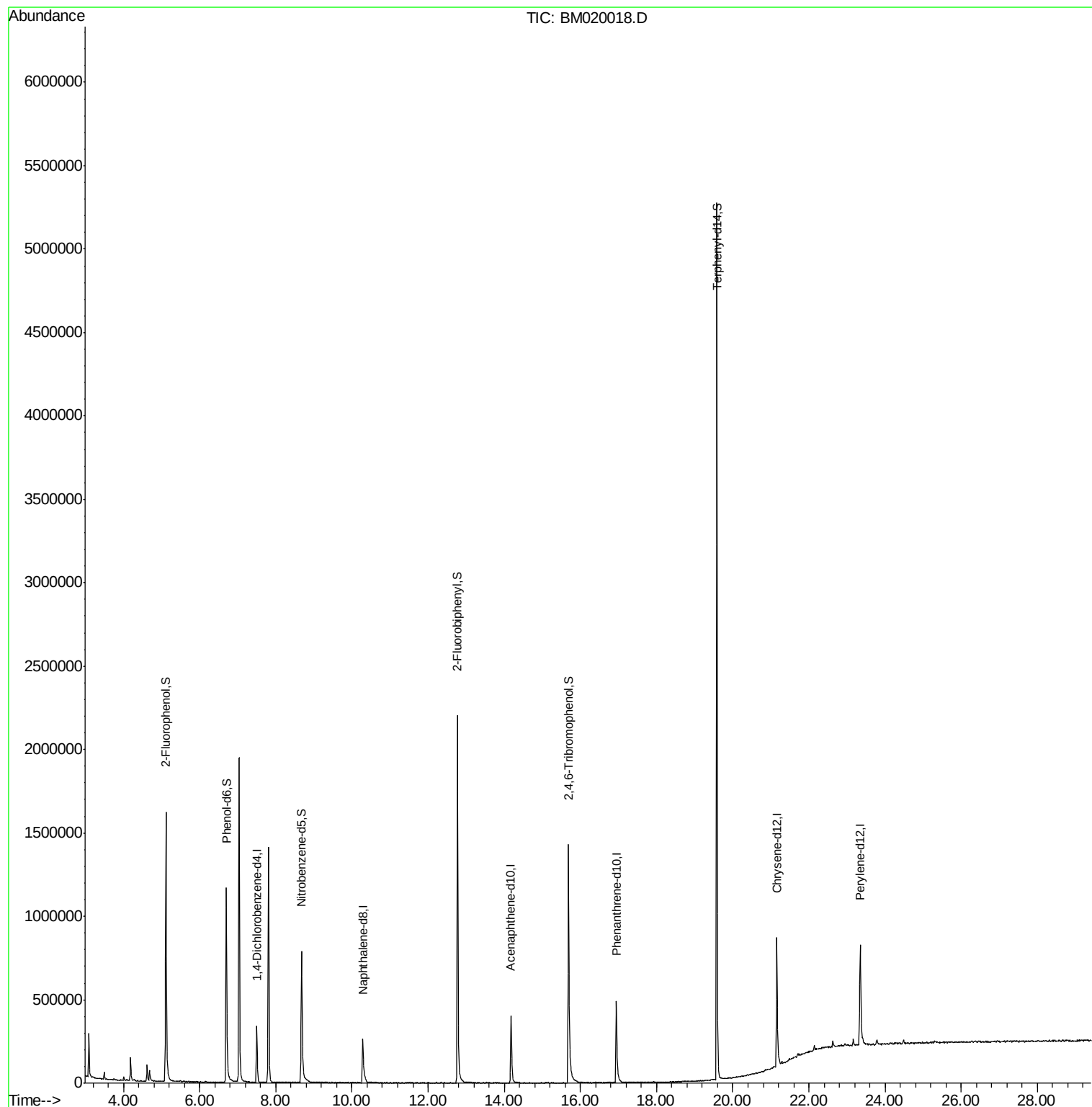
Target Compounds	Qvalue
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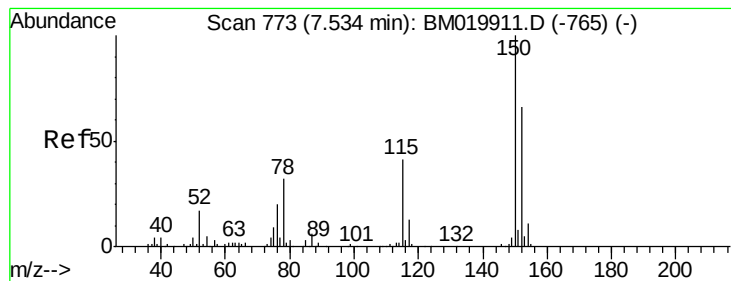
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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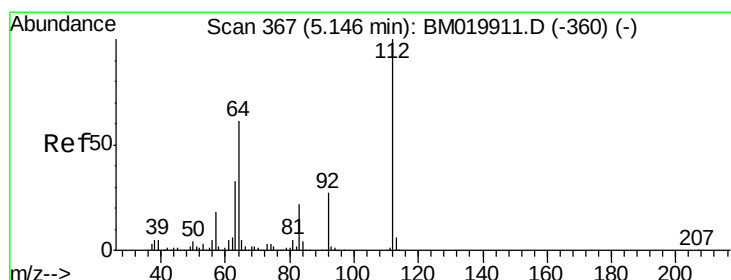
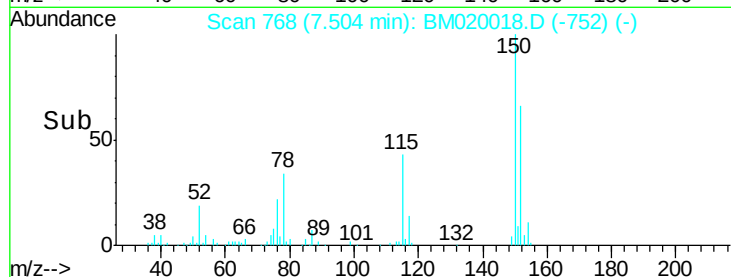
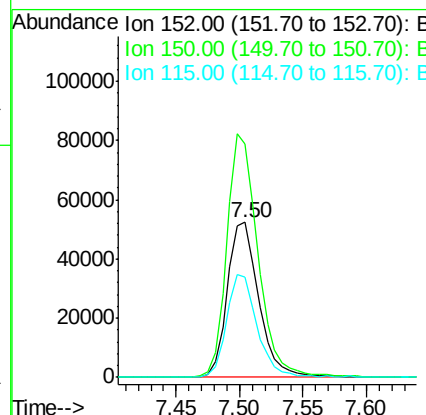
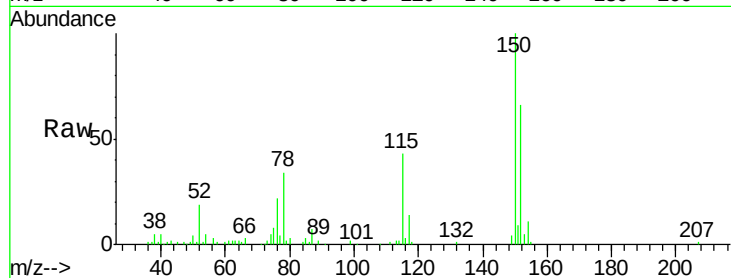


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.50 min Scan# 768
Delta R.T. -0.01 min
Lab File: BM020018.D
Acq: 22 Apr 2019 22:31

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-A

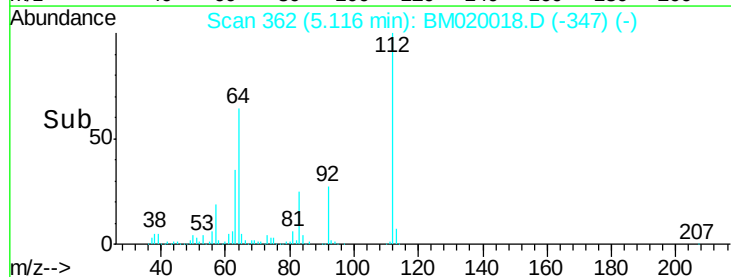
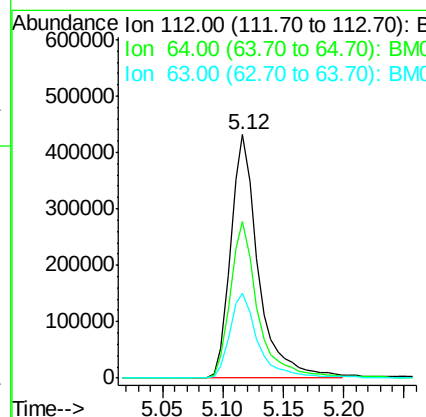
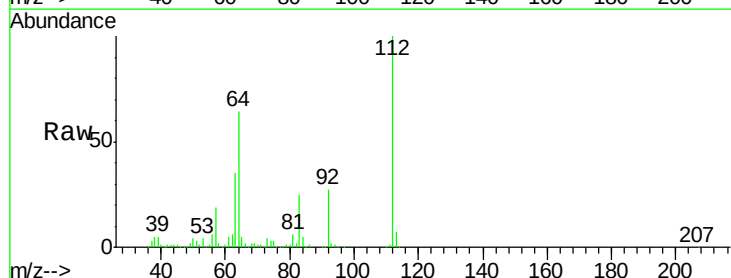
Tgt Ion:152 Resp: 89775
Ion Ratio Lower Upper
152 100
150 150.7 122.1 183.1
115 64.9 50.0 75.0

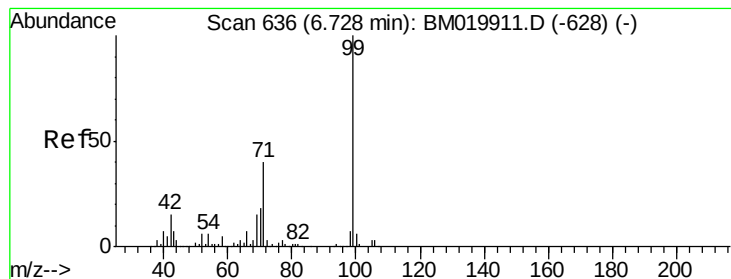


#5

2-Fluorophenol
Concen: 124.360 ng
RT: 5.12 min Scan# 362
Delta R.T. -0.01 min
Lab File: BM020018.D
Acq: 22 Apr 2019 22:31

Tgt Ion:112 Resp: 688887
Ion Ratio Lower Upper
112 100
64 64.2 49.1 73.7
63 35.1 26.5 39.7





#7

Phenol-d6

Concen: 89.268 ng

RT: 6.70 min Scan# 631

Delta R.T. -0.01 min

Lab File: BM020018.D

Acq: 22 Apr 2019 22:31

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-A

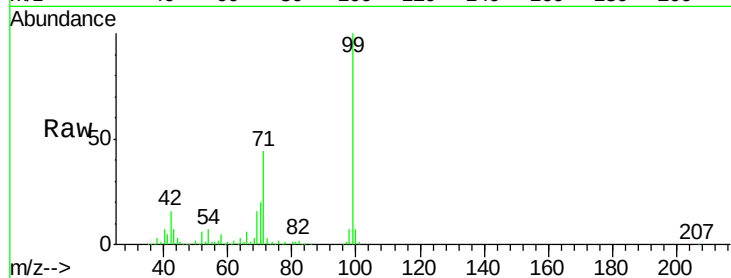
Tgt Ion: 99 Resp: 744208

Ion Ratio Lower Upper

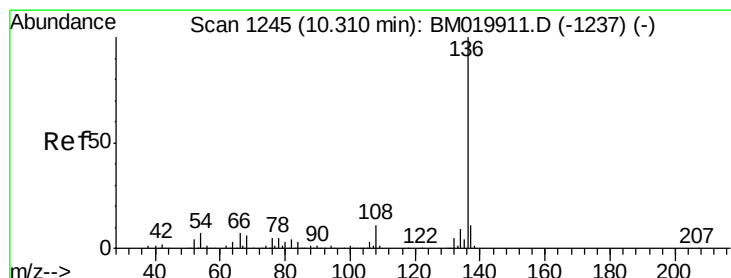
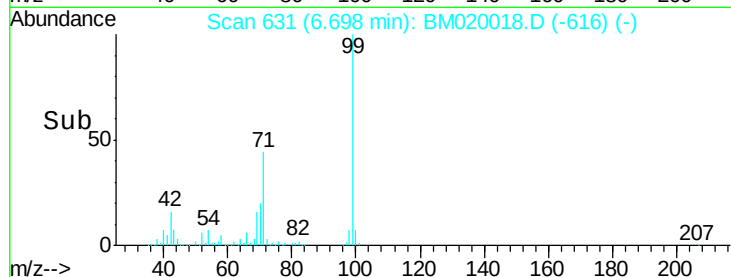
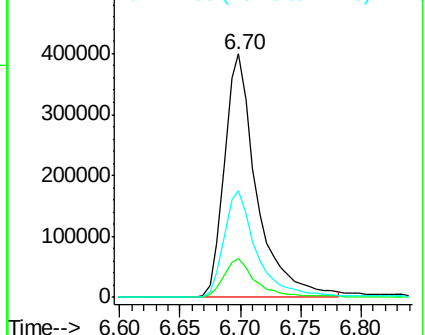
99 100

42 16.0 11.8 17.8

71 43.8 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM0
Ion 42.00 (41.70 to 42.70): BM0
Ion 71.00 (70.70 to 71.70): BM0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1241

Delta R.T. -0.00 min

Lab File: BM020018.D

Acq: 22 Apr 2019 22:31

Tgt Ion: 136 Resp: 298424

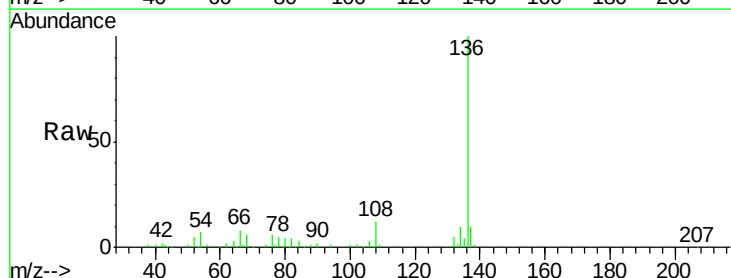
Ion Ratio Lower Upper

136 100

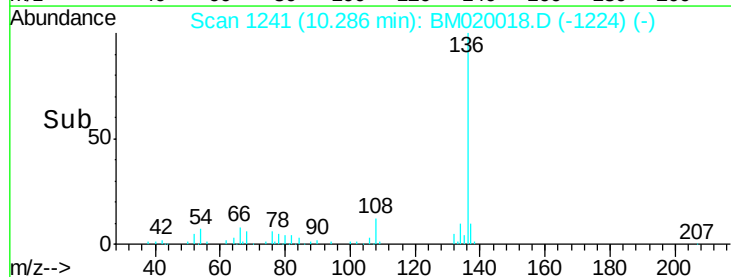
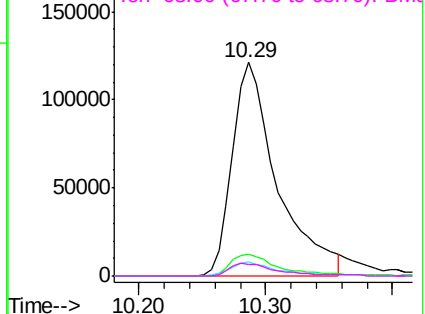
137 10.1 9.0 13.6

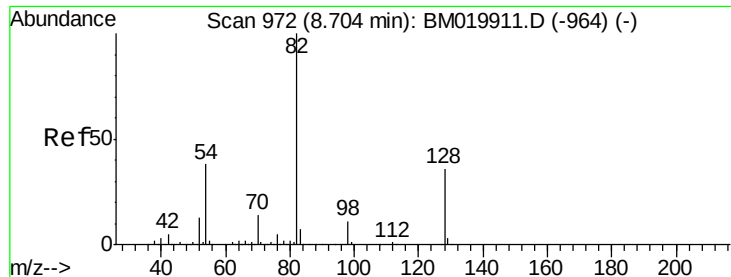
54 6.7 5.3 7.9

68 5.5 5.2 7.8



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

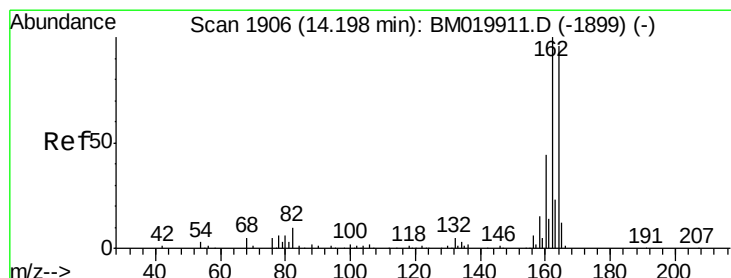
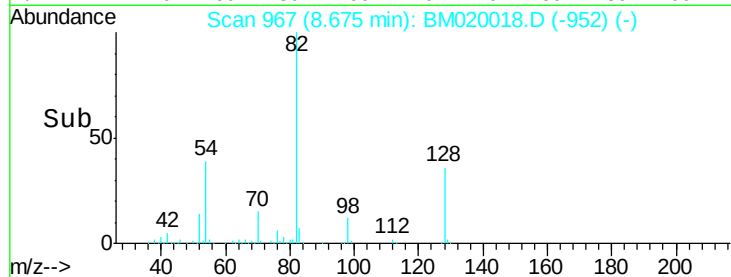
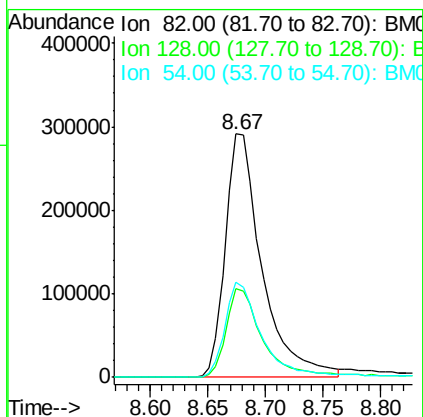
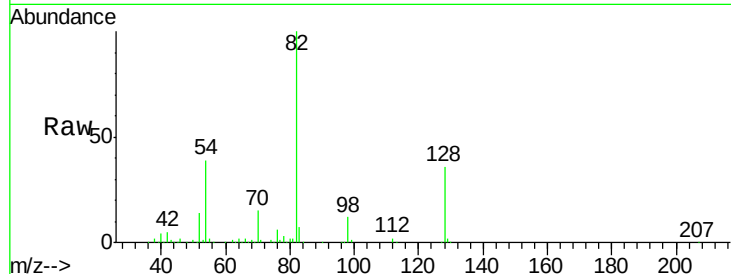




#23
Nitrobenzene-d5
Concen: 96.900 ng
RT: 8.67 min Scan# 967
Delta R.T. -0.01 min
Lab File: BM020018.D
Acq: 22 Apr 2019 22:31

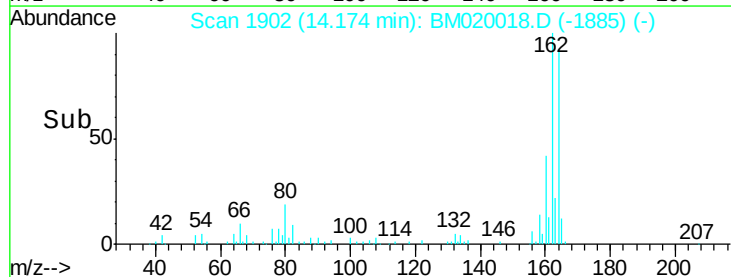
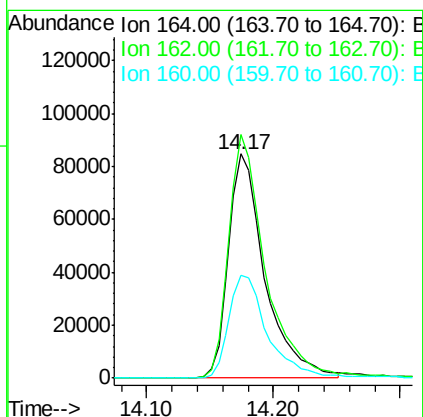
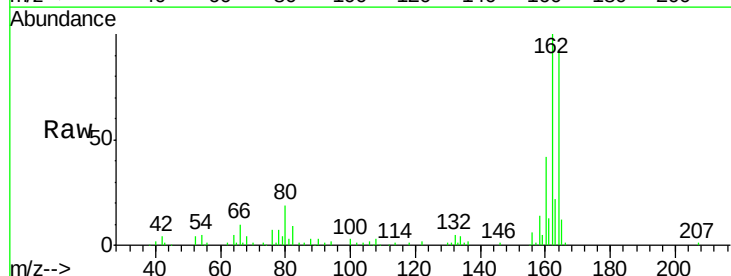
Instrument :
BNA_M
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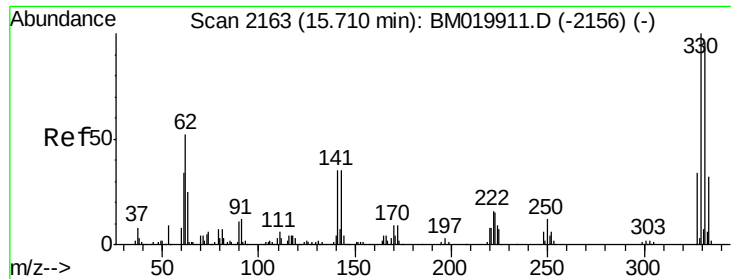
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.0	43.4
54	38.9	30.2	45.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.17 min Scan# 1902
Delta R.T. -0.00 min
Lab File: BM020018.D
Acq: 22 Apr 2019 22:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.7	83.0	124.4
160	46.1	36.6	55.0

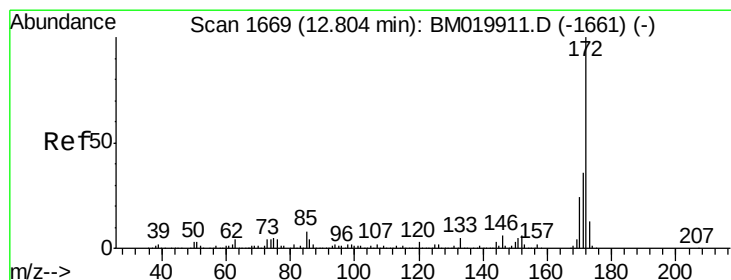
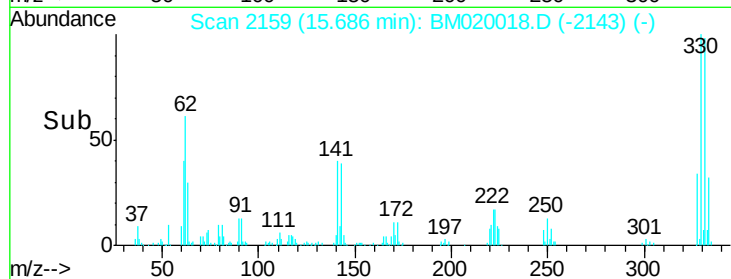
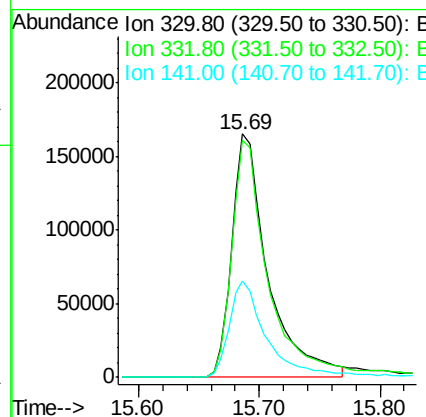
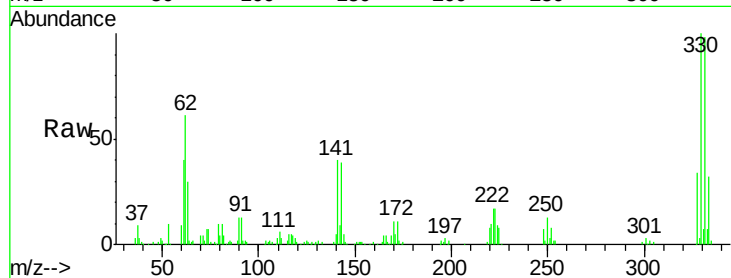




#42
 2,4,6-Tribromophenol
 Concen: 126.538 ng
 RT: 15.69 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BM020018.D
 Acq: 22 Apr 2019 22:31

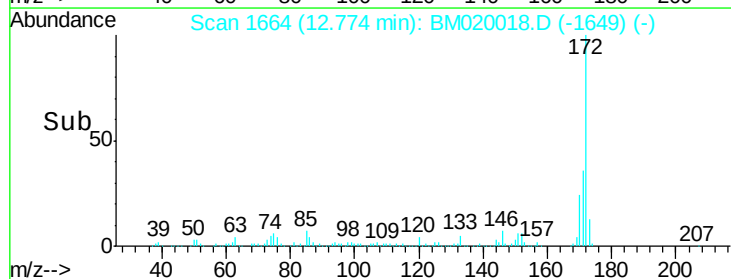
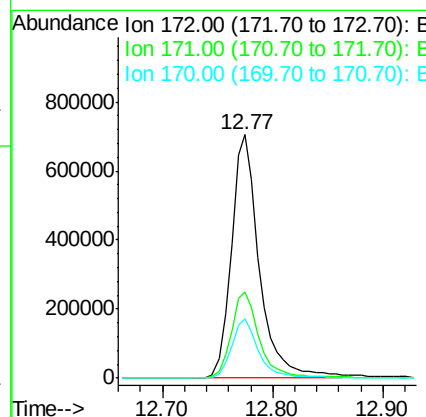
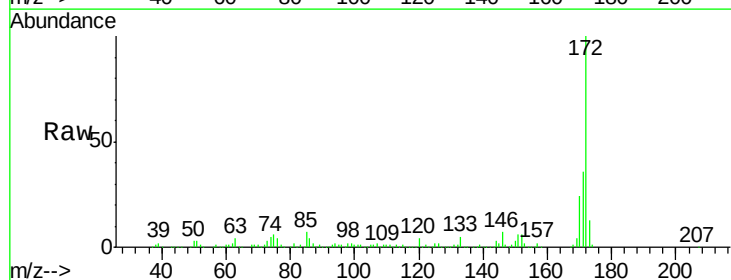
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILE-A

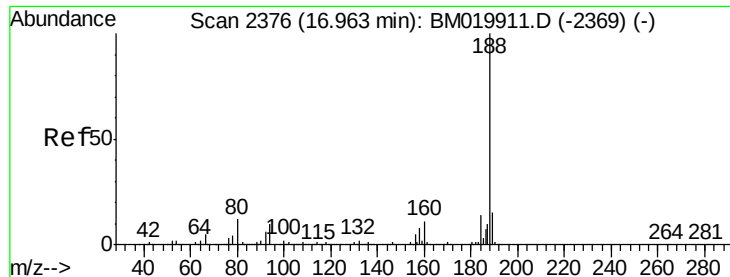
Tgt Ion:330 Resp: 344716
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 40.2 29.0 43.4



#45
 2-Fluorobiphenyl
 Concen: 91.902 ng
 RT: 12.77 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BM020018.D
 Acq: 22 Apr 2019 22:31

Tgt Ion:172 Resp: 1248003
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 24.2 19.0 28.4

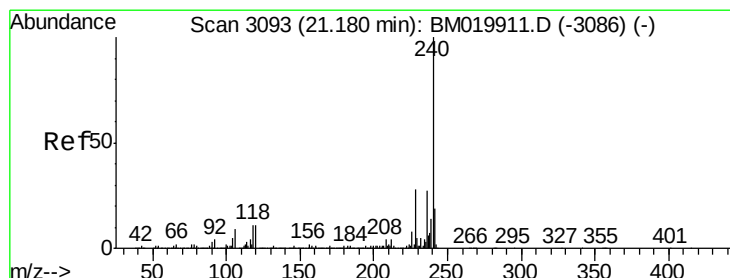
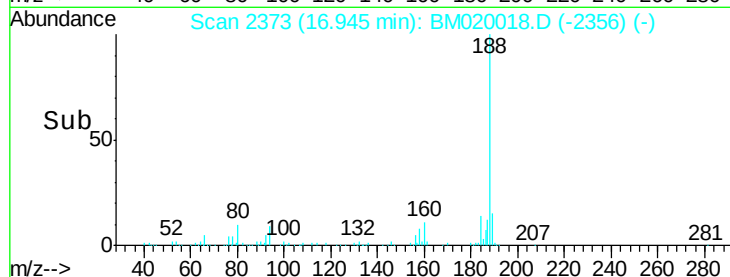
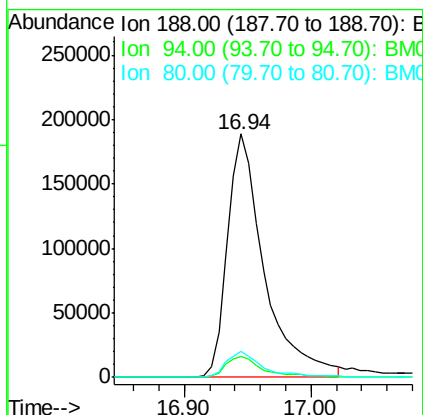
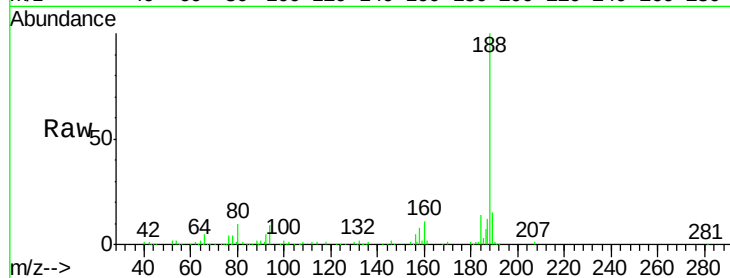




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.94 min Scan# 2373
Delta R.T. -0.00 min
Lab File: BM020018.D
Acq: 22 Apr 2019 22:31

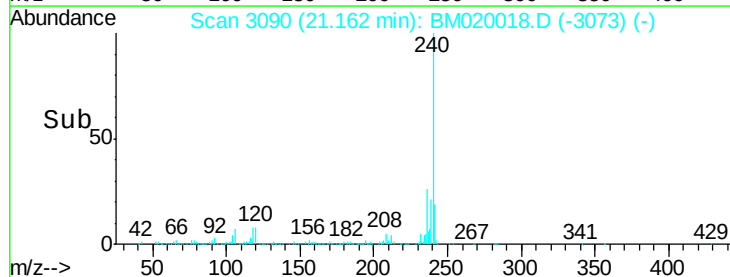
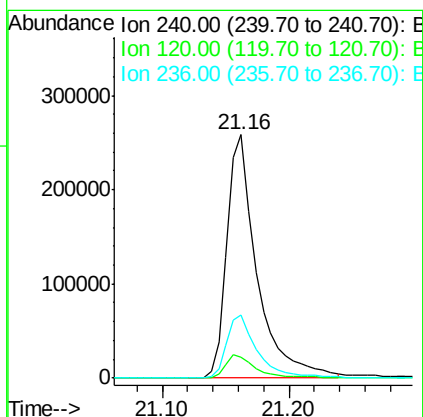
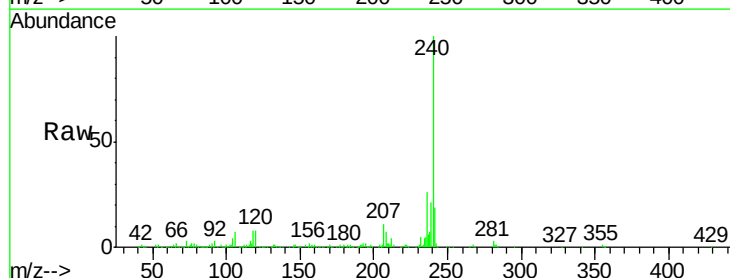
Instrument :
BNA_M
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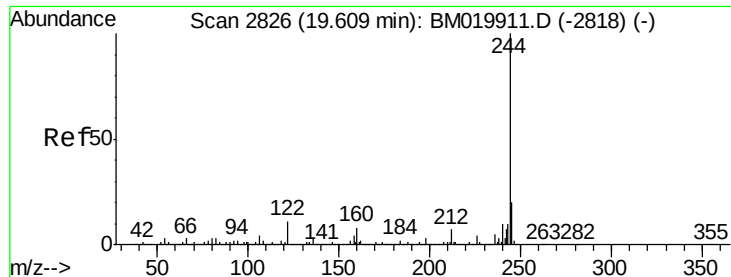
Tgt Ion:188 Resp: 380490
Ion Ratio Lower Upper
188 100
94 8.5 7.6 11.4
80 10.5 9.4 14.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BM020018.D
Acq: 22 Apr 2019 22:31

Tgt Ion:240 Resp: 426794
Ion Ratio Lower Upper
240 100
120 8.5 8.6 13.0#
236 25.9 21.4 32.2





#79

Terphenyl-d14

Concen: 98.525 ng

RT: 19.59 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM020018.D

Acq: 22 Apr 2019 22:31

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-A

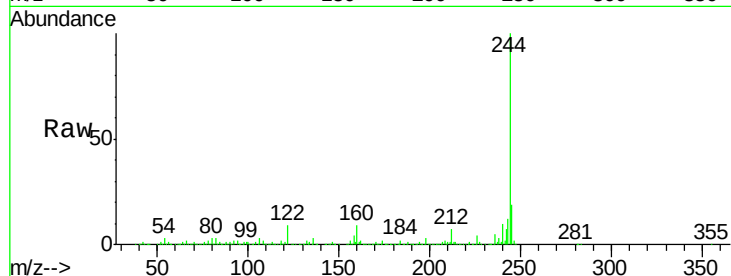
Tgt Ion:244 Resp: 2384017

Ion Ratio Lower Upper

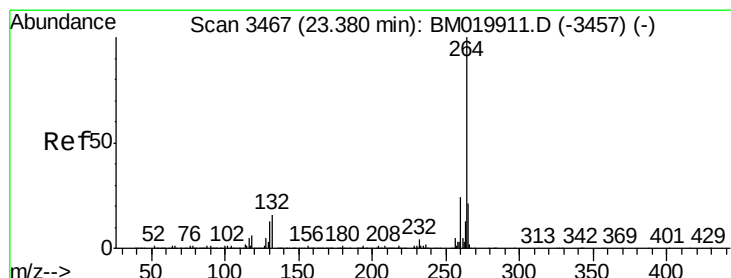
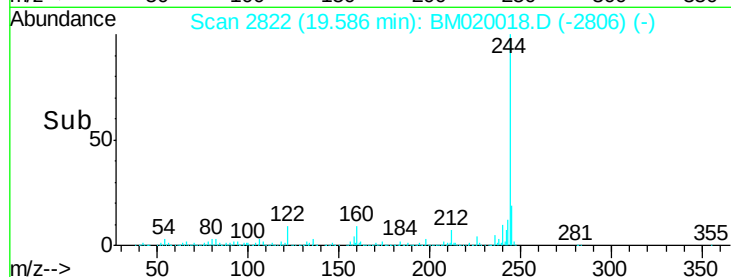
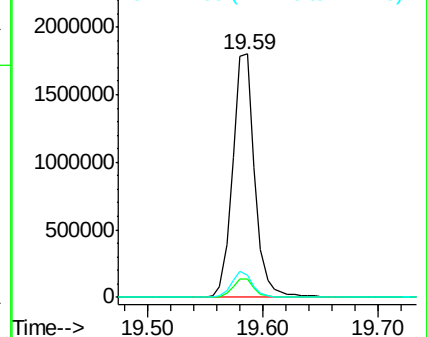
244 100

212 7.3 5.7 8.5

122 9.2 9.1 13.7



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: 23.34 min Scan# 3461

Delta R.T. -0.01 min

Lab File: BM020018.D

Acq: 22 Apr 2019 22:31

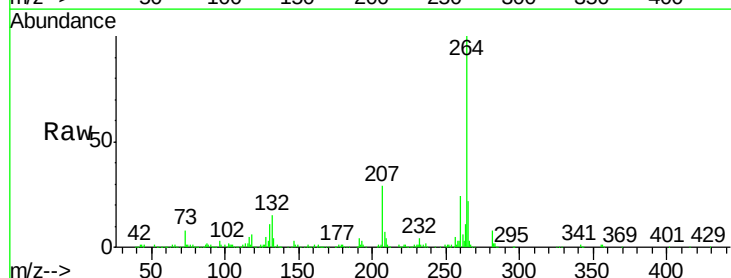
Tgt Ion:264 Resp: 528046

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.3 17.2 25.8



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

