

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
 Data File : BM018369.D
 Acq On : 21 Dec 2018 22:29
 Operator : JU/SJ
 Sample : J6493-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-DRUM

Quant Time: Dec 22 03:51:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

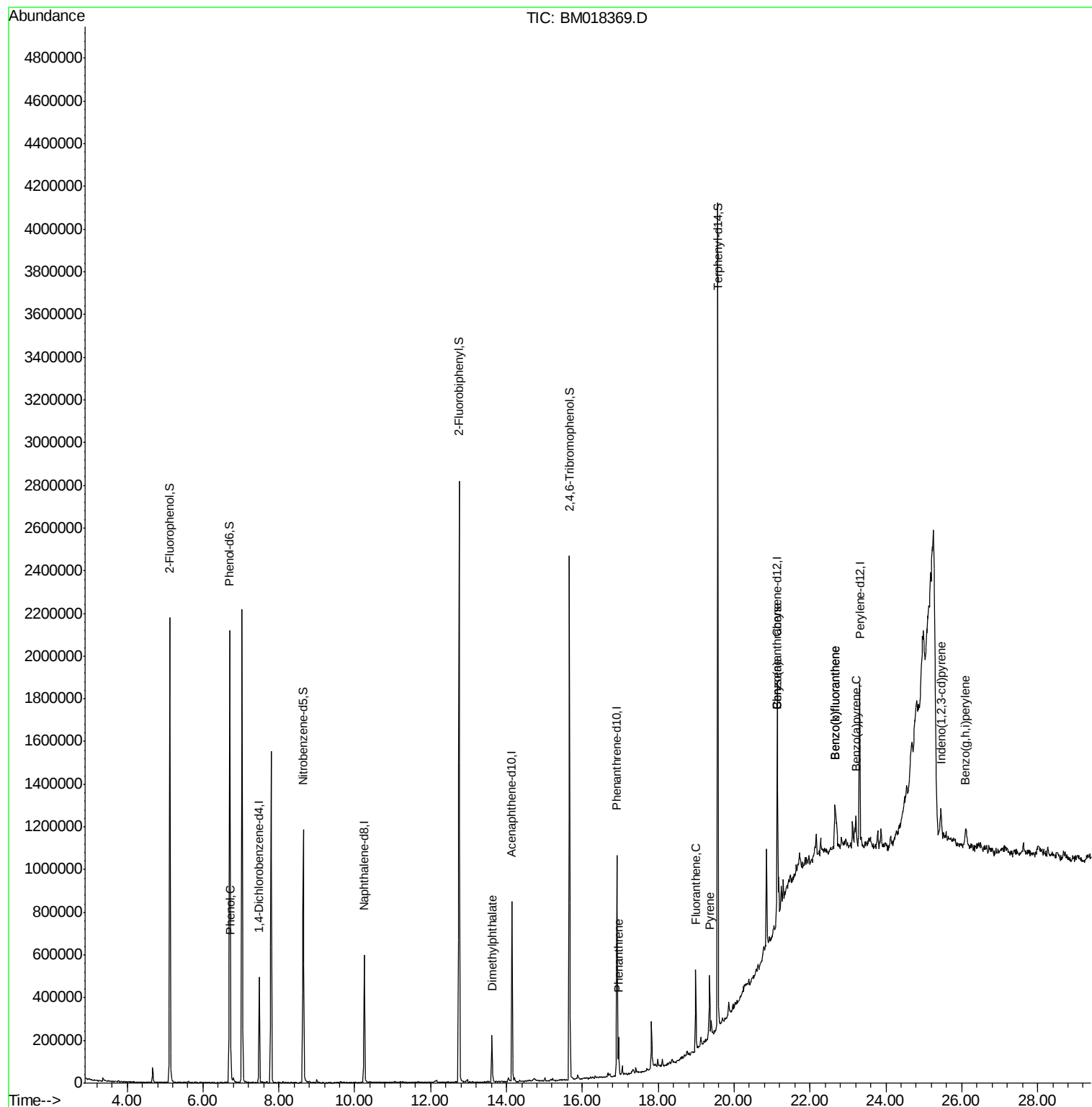
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	115529	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	458842	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	264129	20.00	ng	-0.02
64) Phenanthrene-d10	16.92	188	556141	20.00	ng	0.00
76) Chrysene-d12	21.14	240	465061	20.00	ng	0.00
87) Perylene-d12	23.31	264	509660	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	806661	116.64	ng	0.00
7) Phenol-d6	6.70	99	1089635	113.36	ng	0.00
23) Nitrobenzene-d5	8.65	82	718489	80.32	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	376043	97.00	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	1334522	65.44	ng	-0.02
79) Terphenyl-d14	19.57	244	1635223	79.52	ng	0.00
Target Compounds						
10) Phenol	6.73	94	57596	5.658	ng	88
50) Dimethylphthalate	13.62	163	136888	6.234	ng	100
71) Phenanthrene	16.96	178	97650	3.233	ng	96
75) Fluoranthene	18.99	202	208952	5.949	ng	97
78) Pyrene	19.36	202	178586	6.445	ng	97
81) Benzo(a)anthracene	21.13	228	89199	3.283	ng	94
83) Chrysene	21.13	228	89199	3.414	ng	96
86) Indeno(1,2,3-cd)pyrene	25.46	276	80088	3.077	ng	93
88) Benzo(b)fluoranthene	22.67	252	145027	5.066	ng	# 91
89) Benzo(k)fluoranthene	22.67	252	144096	5.054	ng	# 90
90) Benzo(a)pyrene	23.21	252	97300	3.573	ng	# 91
92) Benzo(g,h,i)perylene	26.11	276	75873	3.182	ng	# 93

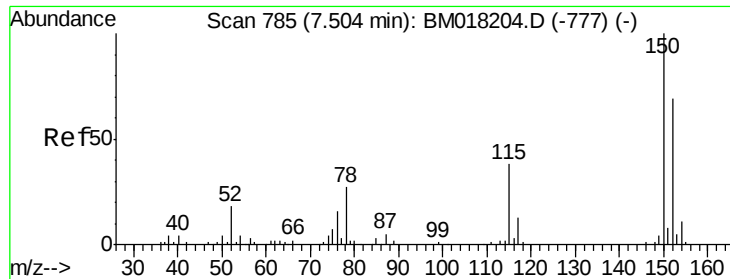
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM122118\
Data File : BM018369.D
Acq On : 21 Dec 2018 22:29
Operator : JU/SJ
Sample : J6493-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SOIL-DRUM

Quant Time: Dec 22 03:51:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 15 21:39:37 2018
Response via : Initial Calibration

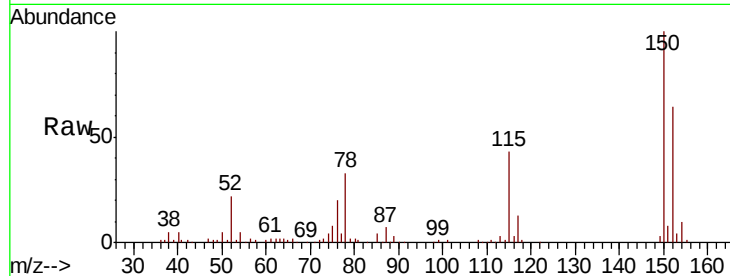




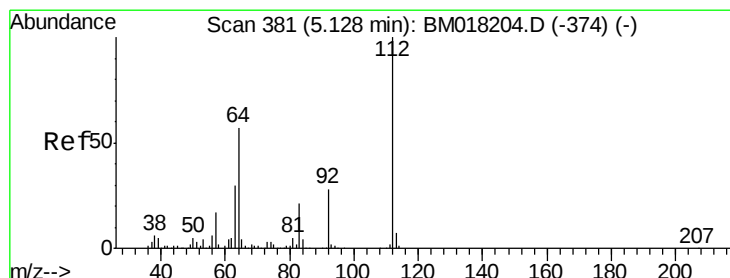
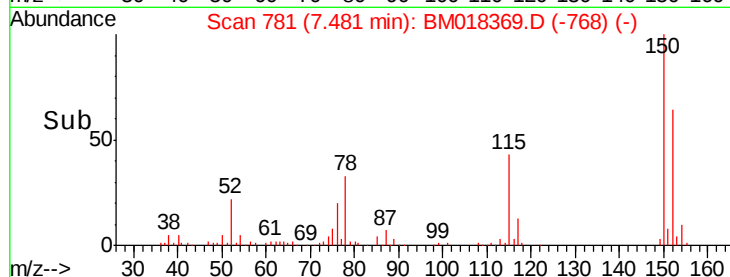
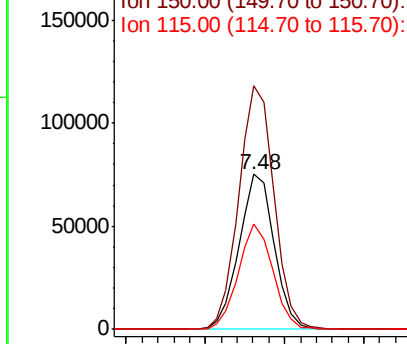
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.48 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BM018369.D
 Acq: 21 Dec 2018 22:29

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-DRUM

Tgt Ion:152 Resp: 115529
 Ion Ratio Lower Upper
 152 100
 150 157.0 116.1 174.1
 115 68.0 44.6 67.0#

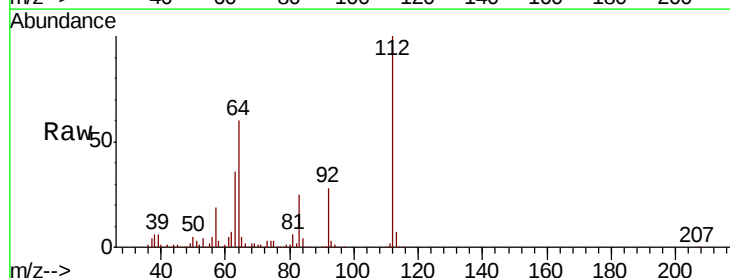


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

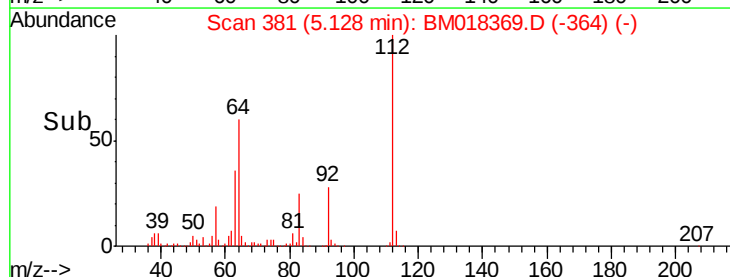
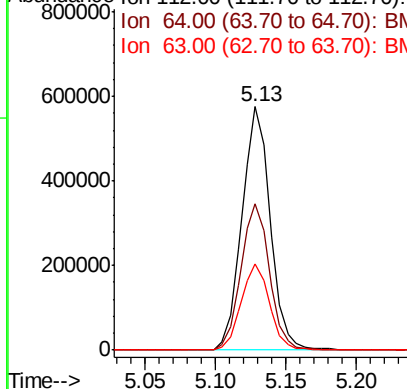


#5
 2-Fluorophenol
 Concen: 116.639 ng
 RT: 5.13 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BM018369.D
 Acq: 21 Dec 2018 22:29

Tgt Ion:112 Resp: 806661
 Ion Ratio Lower Upper
 112 100
 64 60.3 45.4 68.2
 63 35.6 24.0 36.0



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: 113.355 ng

RT: 6.70 min Scan# 649

Delta R.T. -0.00 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

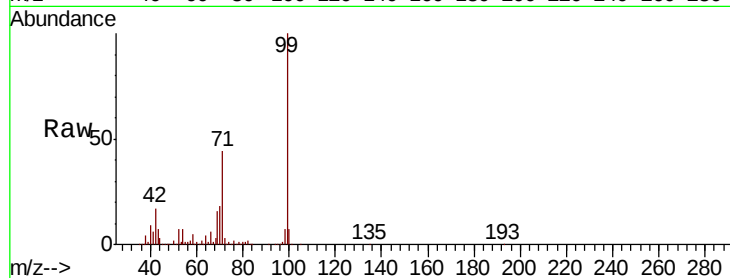
Tgt Ion: 99 Resp: 1089635

Ion Ratio Lower Upper

99 100

42 17.4 12.3 18.5

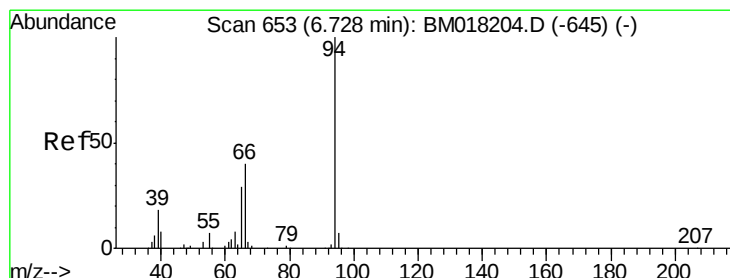
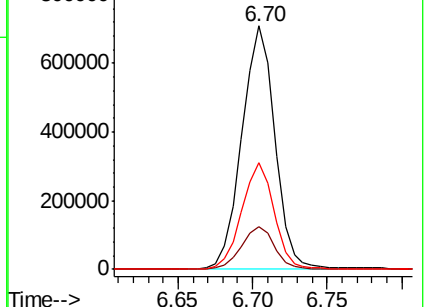
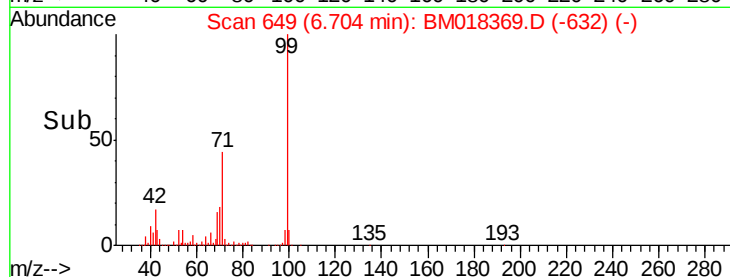
71 43.8 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018369.D (-632) (-)

Ion 42.00 (41.70 to 42.70): BM018369.D (-632) (-)

Ion 71.00 (70.70 to 71.70): BM018369.D (-632) (-)



#10

Phenol

Concen: 5.658 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

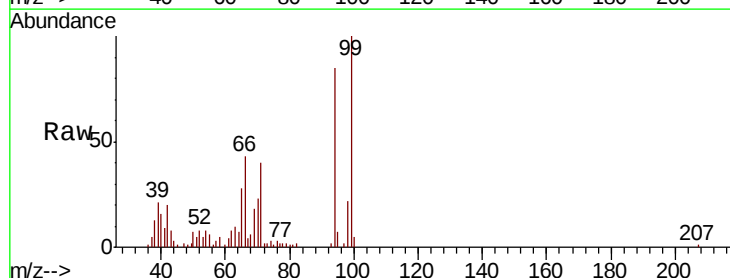
Tgt Ion: 94 Resp: 57596

Ion Ratio Lower Upper

94 100

65 33.4 9.5 49.5

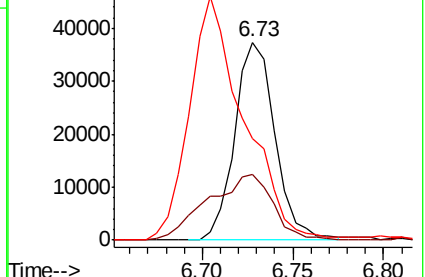
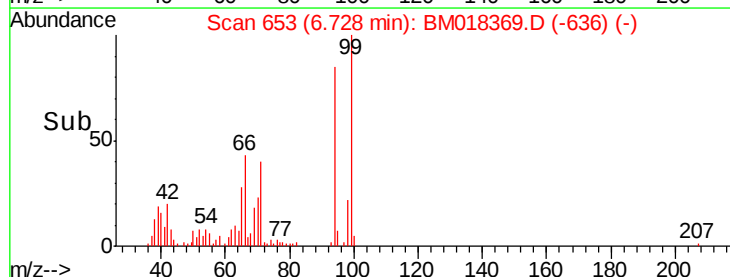
66 51.1 21.3 61.3

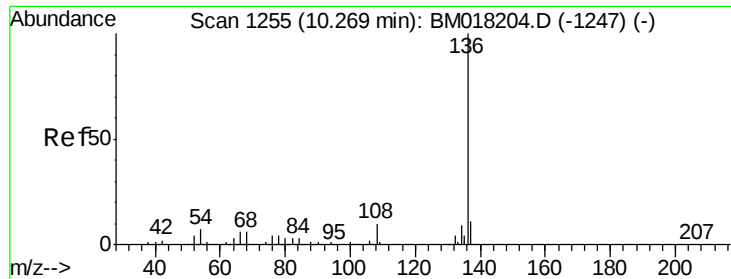


Abundance Ion 94.00 (93.70 to 94.70): BM018369.D (-636) (-)

Ion 65.00 (64.70 to 65.70): BM018369.D (-636) (-)

Ion 66.00 (65.70 to 66.70): BM018369.D (-636) (-)

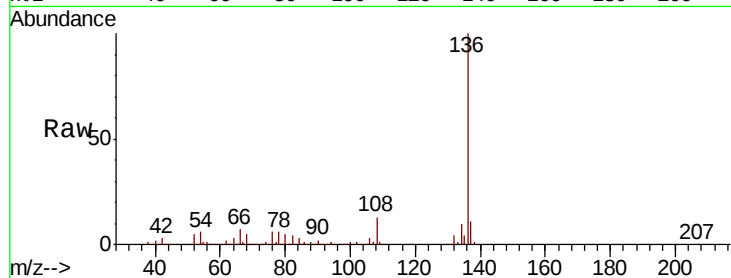




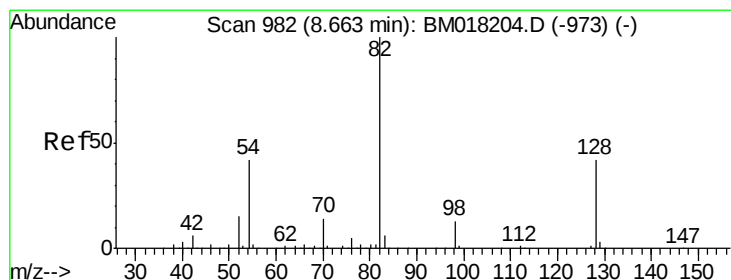
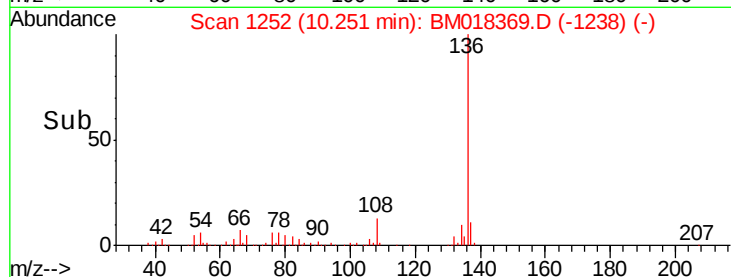
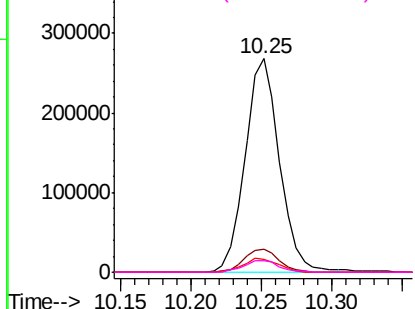
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018369.D
Acq: 21 Dec 2018 22:29

Instrument :
BNA_M
ClientSampleId :
SOIL-DRUM

Tgt Ion:	136	Resp:	458842
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.2	5.2	7.8
68	5.4	5.0	7.6

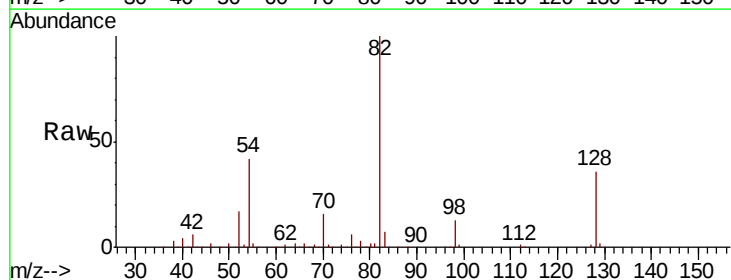


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

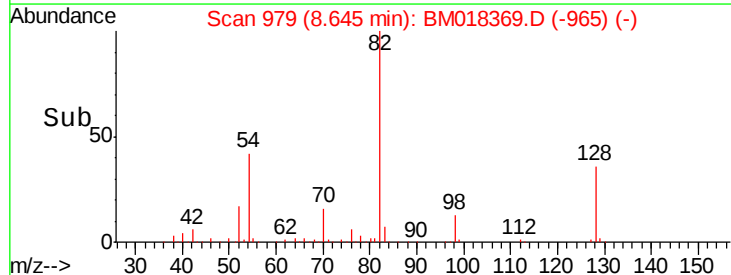
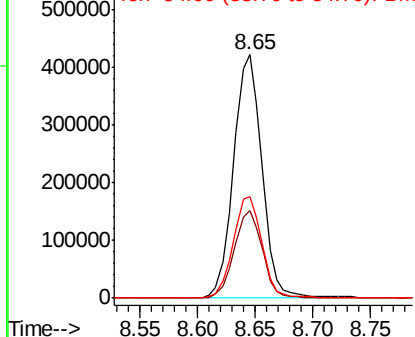


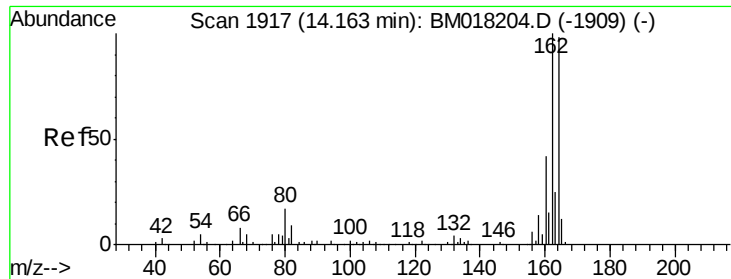
#23
Nitrobenzene-d5
Concen: 80.319 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018369.D
Acq: 21 Dec 2018 22:29

Tgt Ion:	82	Resp:	718489
Ion	Ratio	Lower	Upper
82	100		
128	36.0	33.4	50.2
54	41.8	33.4	50.2



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM

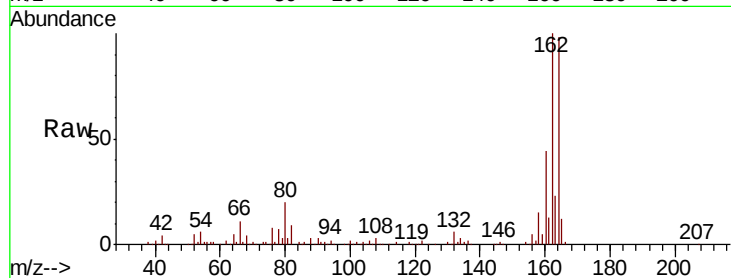




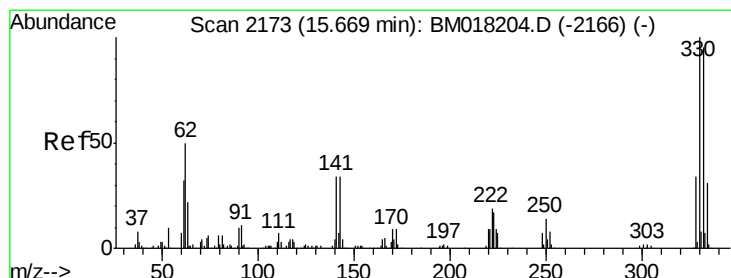
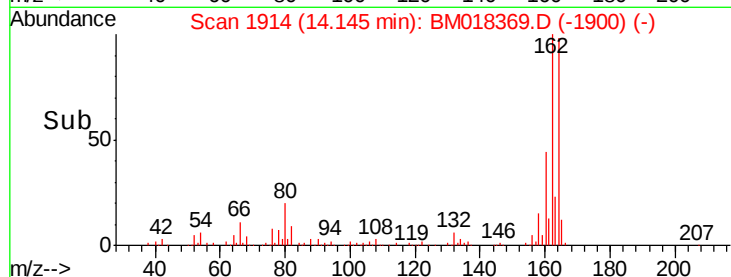
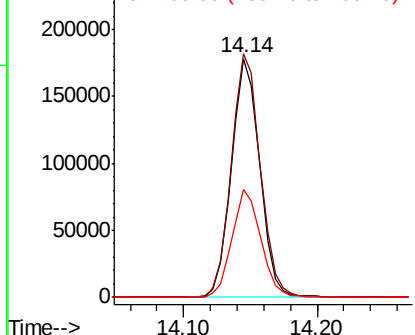
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.14 min Scan# 1914
Delta R.T. -0.02 min
Lab File: BM018369.D
Acq: 21 Dec 2018 22:29

Instrument :
BNA_M
ClientSampleId :
SOIL-DRUM

Tgt Ion:164 Resp: 264129
Ion Ratio Lower Upper
164 100
162 102.1 81.8 122.6
160 45.2 34.6 51.8

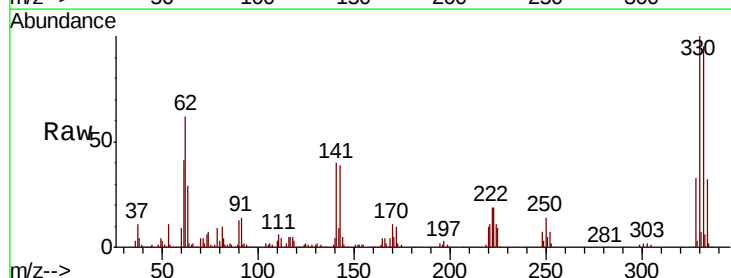


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

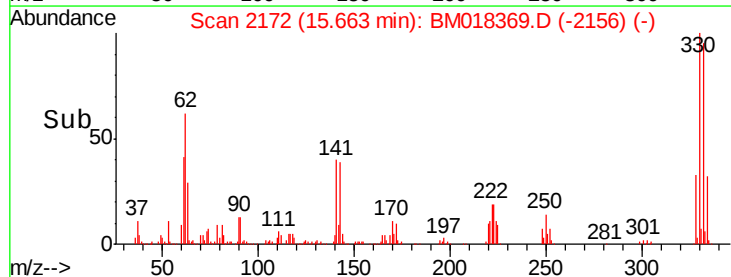
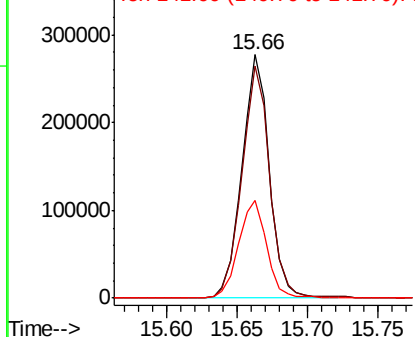


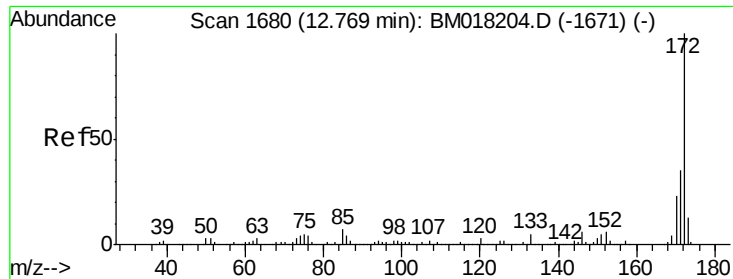
#42
2,4,6-Tribromophenol
Concen: 97.001 ng
RT: 15.66 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BM018369.D
Acq: 21 Dec 2018 22:29

Tgt Ion:330 Resp: 376043
Ion Ratio Lower Upper
330 100
332 96.4 78.6 118.0
141 41.2 27.1 40.7#



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

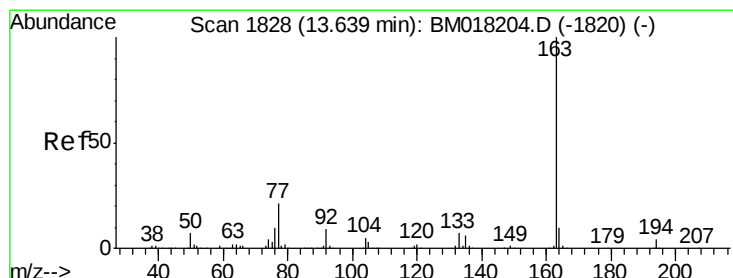
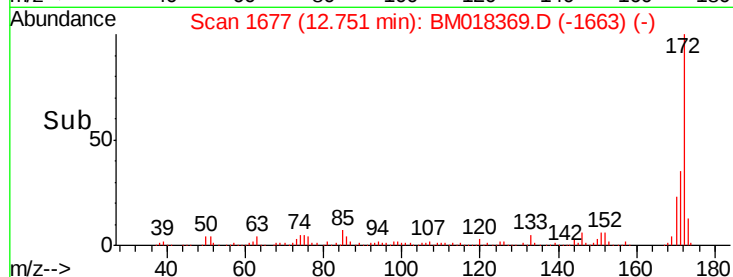
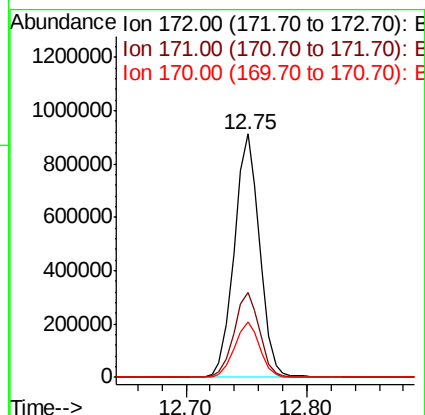
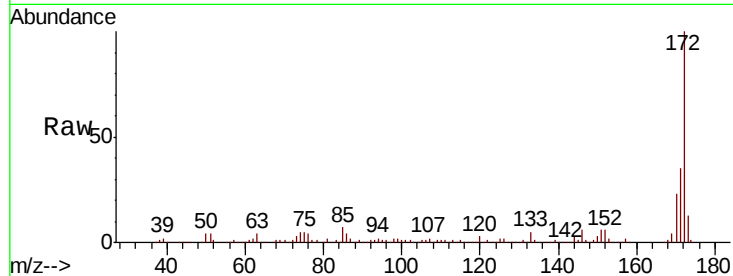




#45
 2-Fluorobiphenyl
 Concen: 65.442 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018369.D
 Acq: 21 Dec 2018 22:29

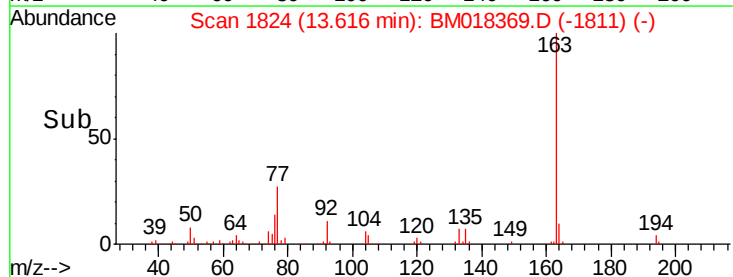
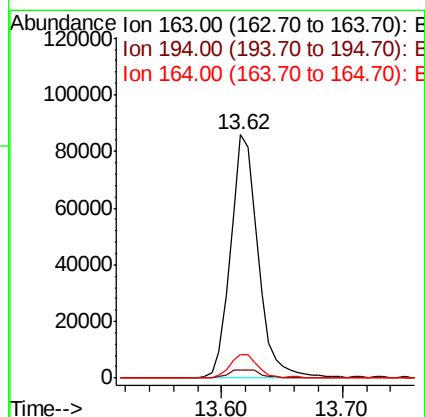
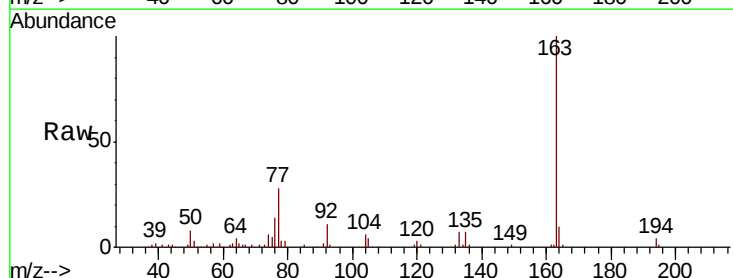
Instrument :
 BNA_M
 ClientSampleId :
 SOIL-DRUM

Tgt Ion:172 Resp: 1334522
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.3 42.5
 170 23.0 18.1 27.1



#50
 Dimethylphthalate
 Concen: 6.234 ng
 RT: 13.62 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BM018369.D
 Acq: 21 Dec 2018 22:29

Tgt Ion:163 Resp: 136888
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.1 4.7
 164 9.8 7.9 11.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.92 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

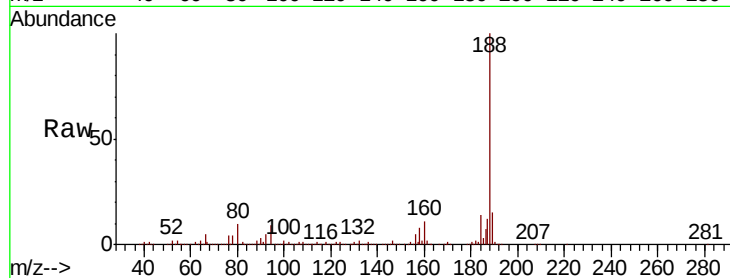
Tgt Ion:188 Resp: 556141

Ion Ratio Lower Upper

188 100

94 8.6 8.0 12.0

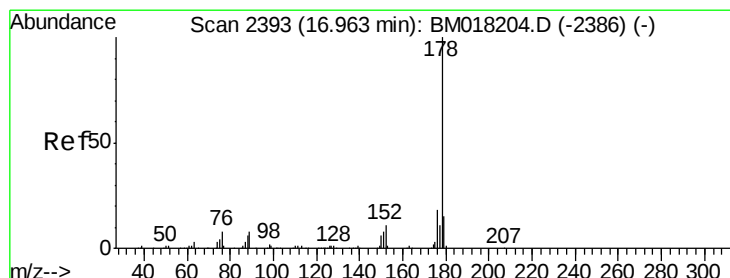
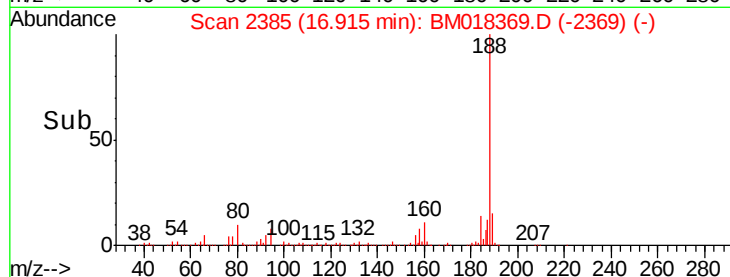
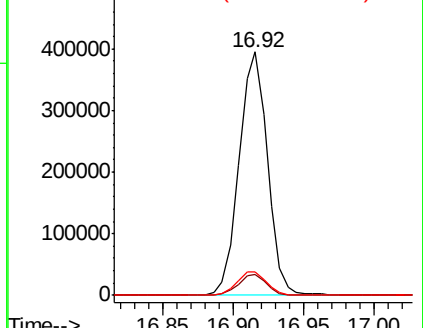
80 9.8 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 3.233 ng

RT: 16.96 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

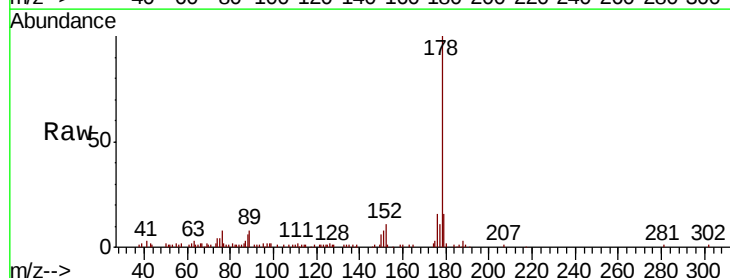
Tgt Ion:178 Resp: 97650

Ion Ratio Lower Upper

178 100

176 15.7 14.7 22.1

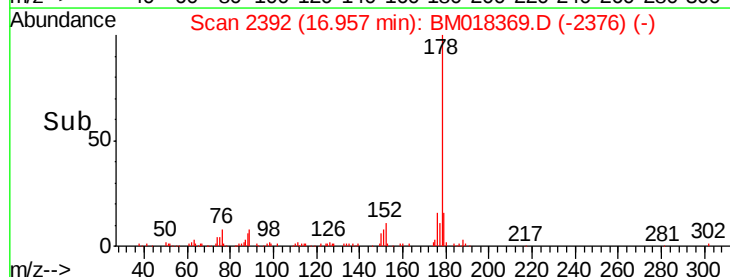
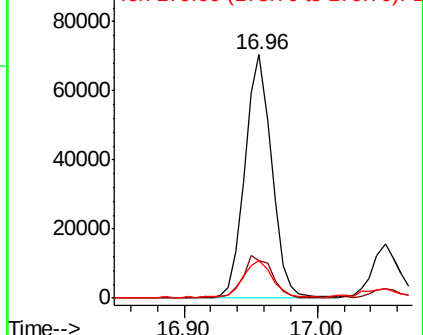
179 15.6 12.0 18.0

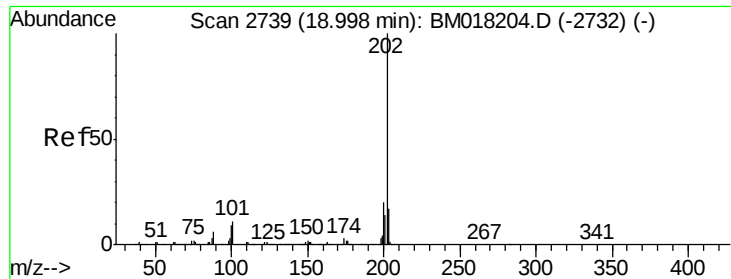


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.949 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

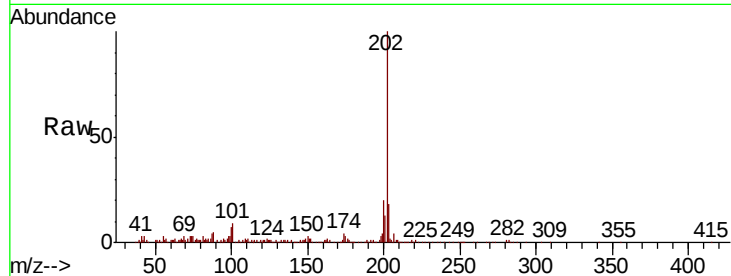
Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

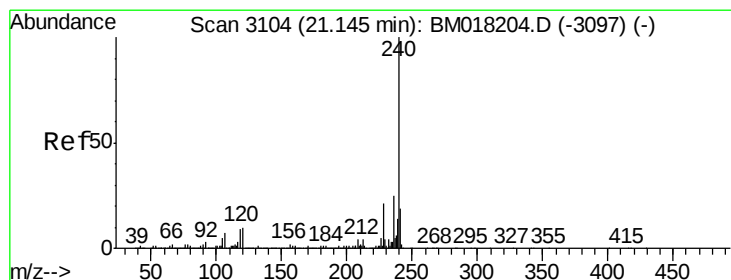
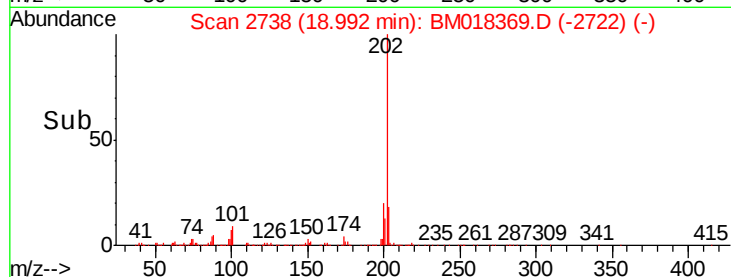
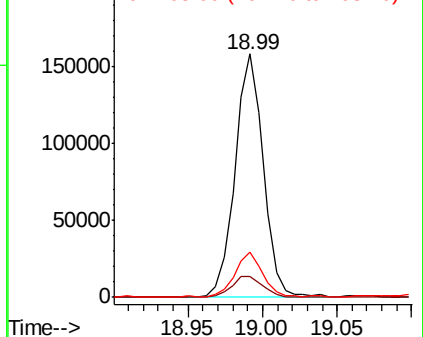
Tgt Ion:	202	Resp:	208952
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	30.5
203	18.4	0.0	37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

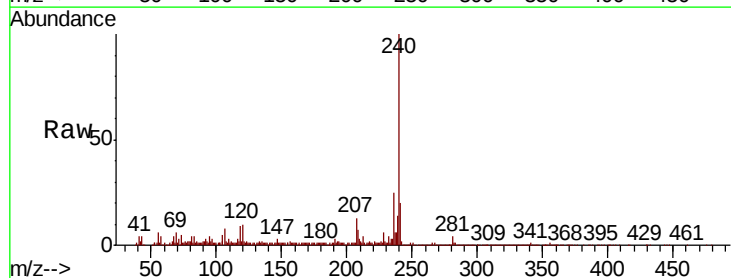
RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

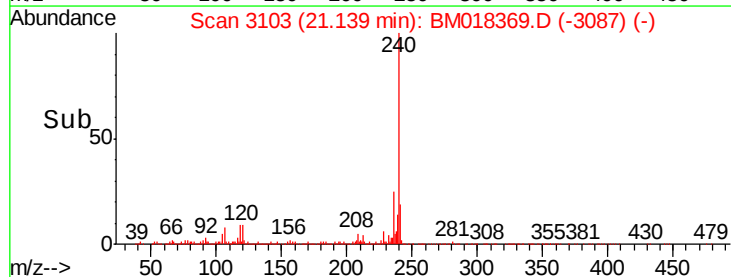
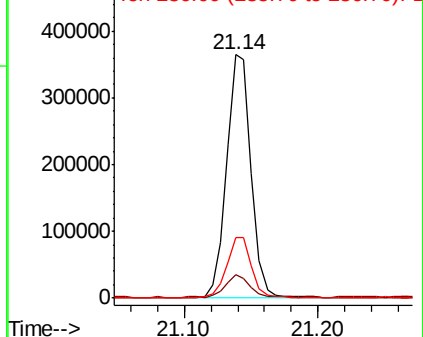
Tgt Ion:	240	Resp:	465061
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.2	12.2
236	25.1	20.3	30.5

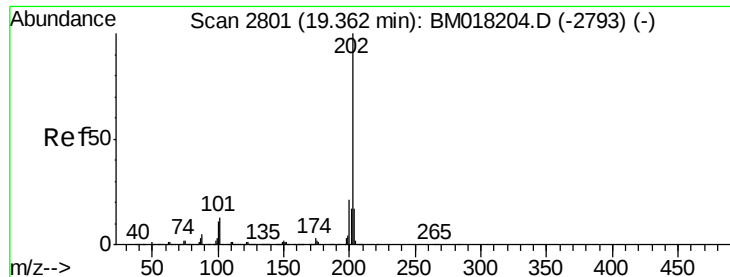


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 6.445 ng

RT: 19.36 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

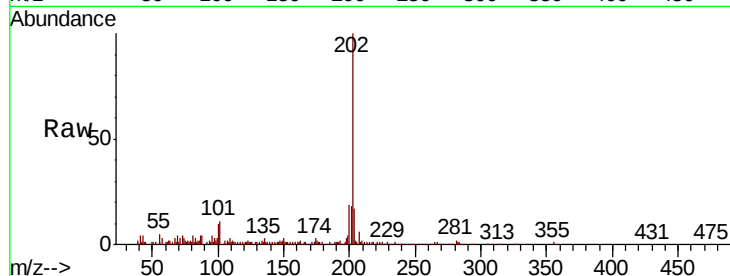
Tgt Ion:202 Resp: 178586

Ion Ratio Lower Upper

202 100

200 18.7 16.5 24.7

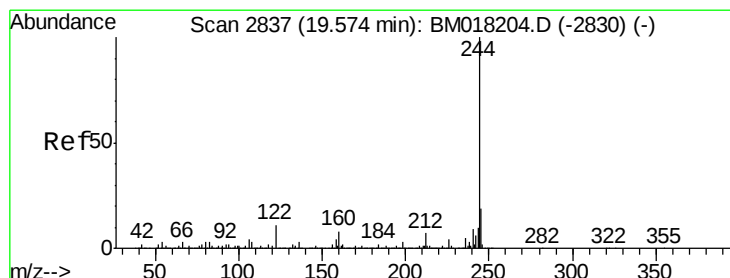
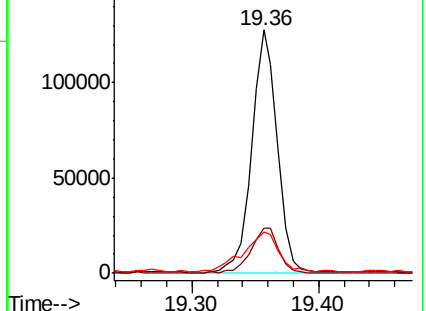
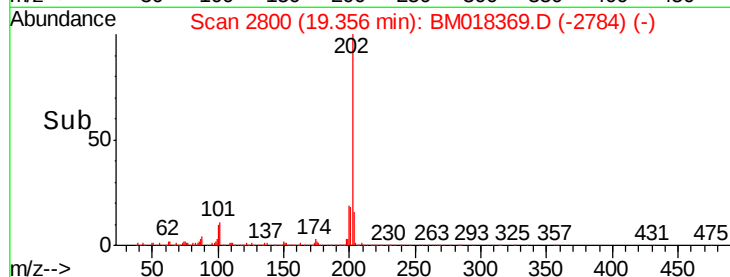
203 16.8 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 79.523 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

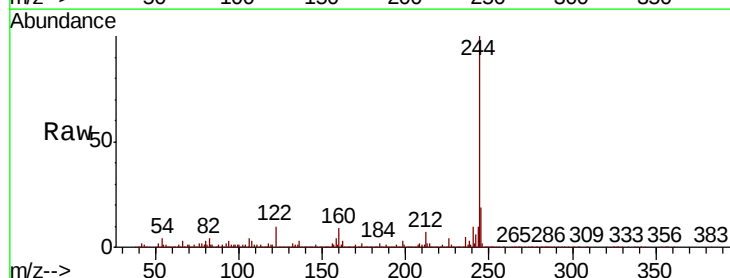
Tgt Ion:244 Resp: 1635223

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

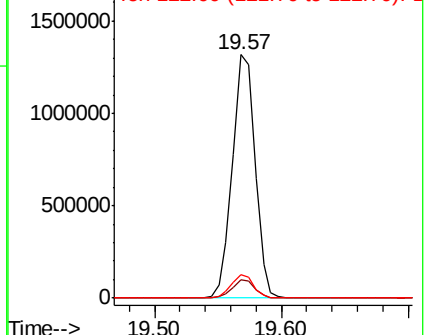
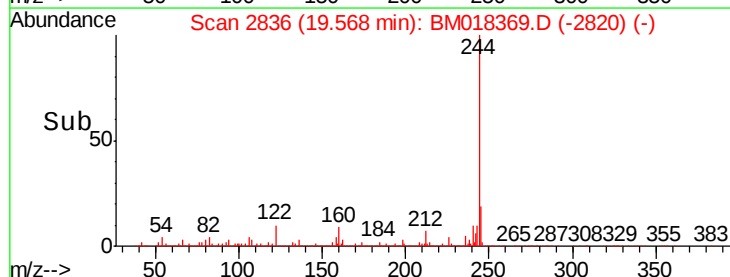
122 9.9 9.0 13.6

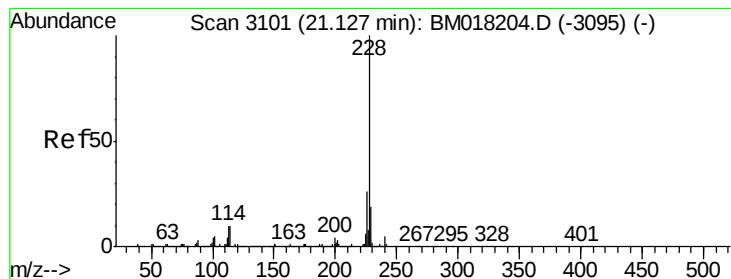


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.283 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

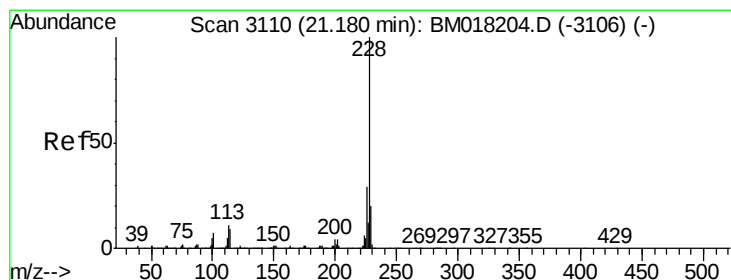
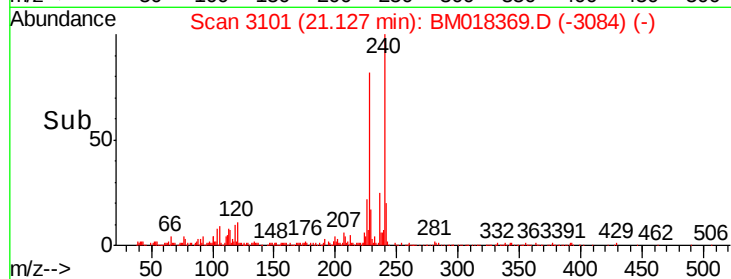
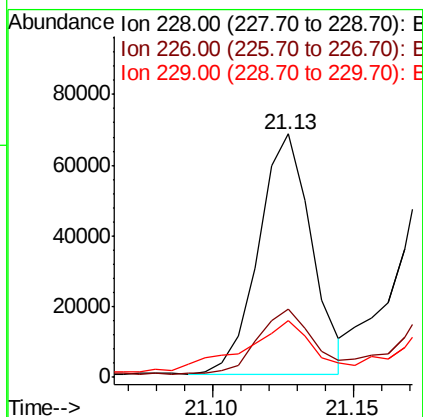
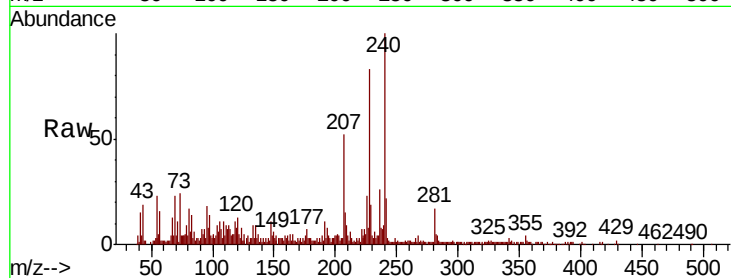
Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

Tgt Ion:	228	Resp:	89199
Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	23.3	15.5	23.3



#83

Chrysene

Concen: 3.414 ng

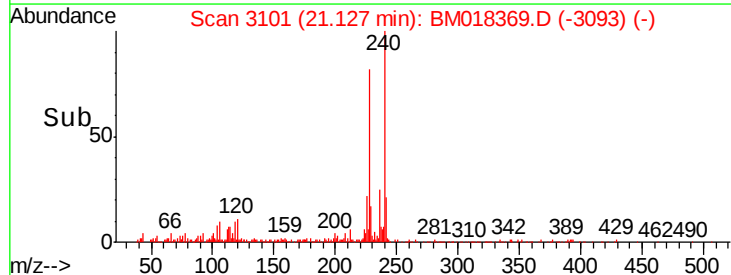
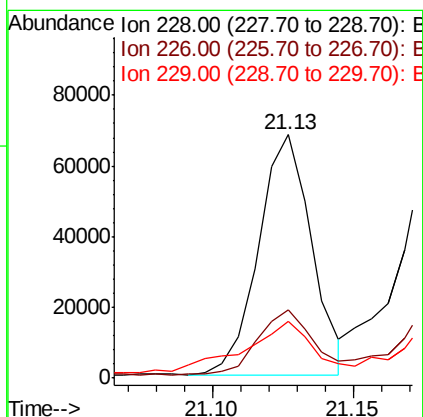
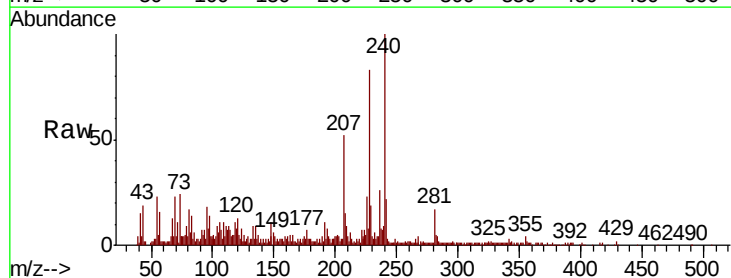
RT: 21.13 min Scan# 3101

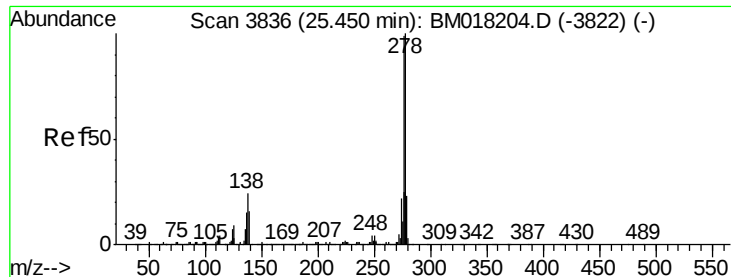
Delta R.T. -0.05 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

Tgt Ion:	228	Resp:	89199
Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.1	34.7
229	23.3	15.8	23.6





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.077 ng

RT: 25.46 min Scan# 3837

Delta R.T. 0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

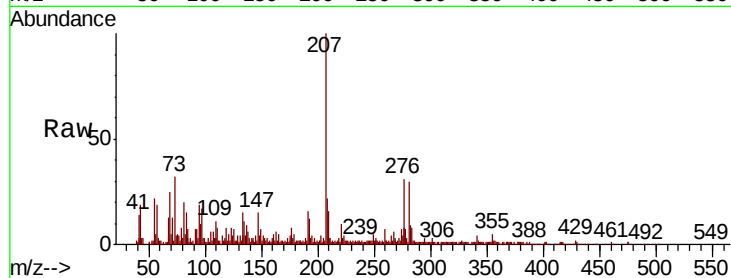
Tgt Ion:276 Resp: 80088

Ion Ratio Lower Upper

276 100

138 18.8 18.6 28.0

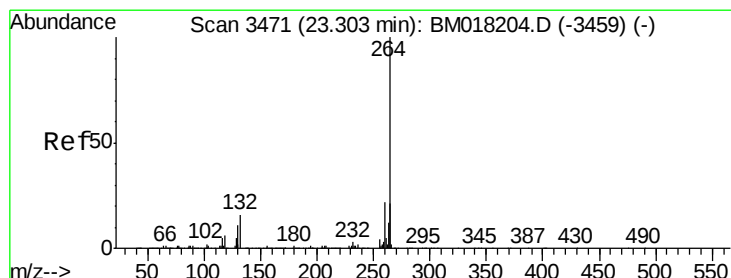
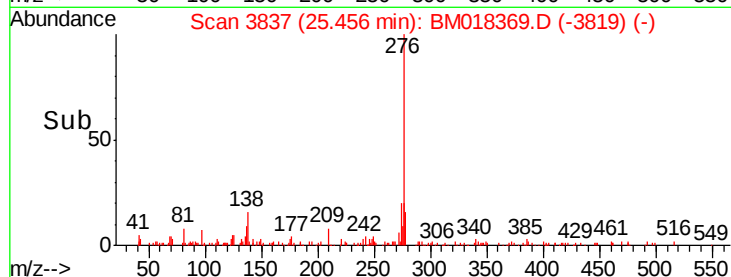
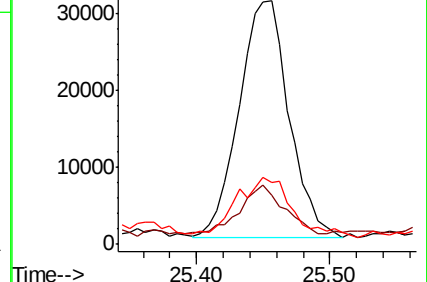
277 27.9 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.31 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

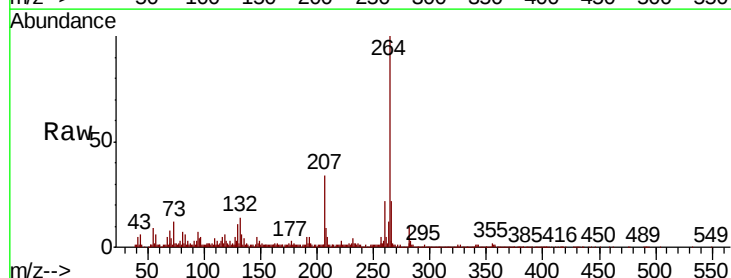
Tgt Ion:264 Resp: 509660

Ion Ratio Lower Upper

264 100

260 22.2 17.5 26.3

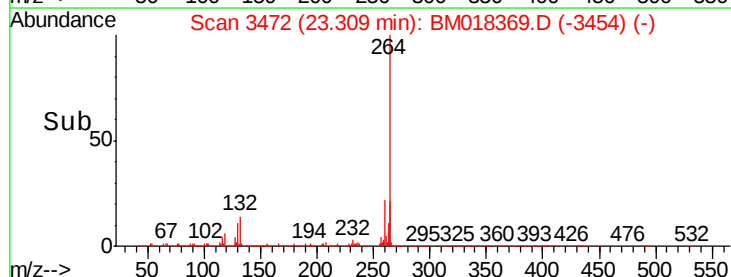
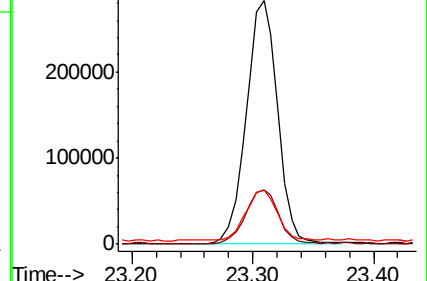
265 22.5 17.3 25.9

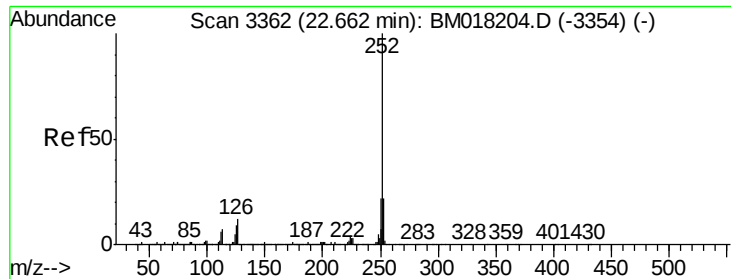


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 5.066 ng

RT: 22.67 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

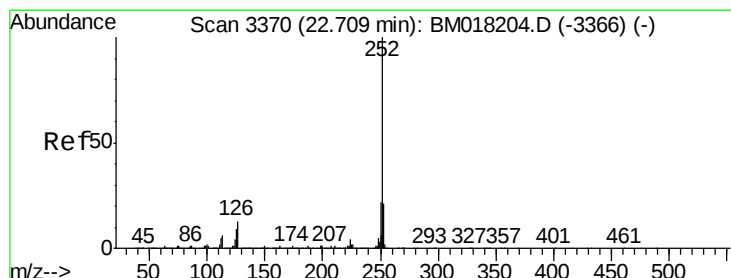
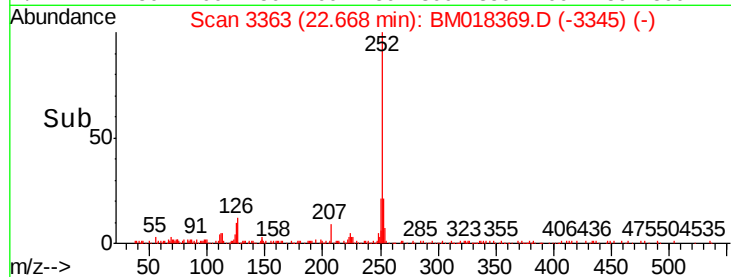
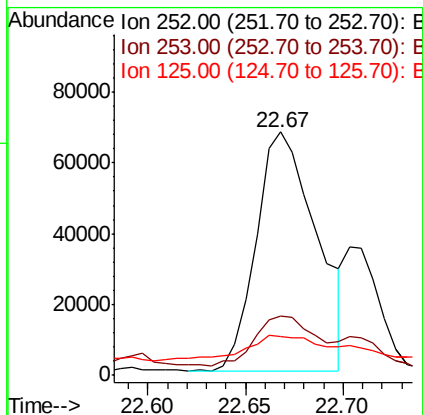
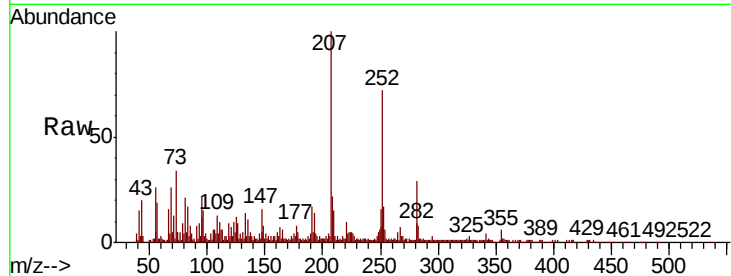
Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

Tgt Ion:	252	Resp:	145027
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.6	26.4
125	16.1	7.4	11.0#



#89

Benzo(k)fluoranthene

Concen: 5.054 ng

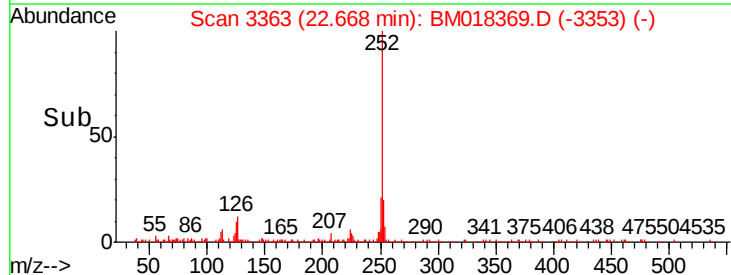
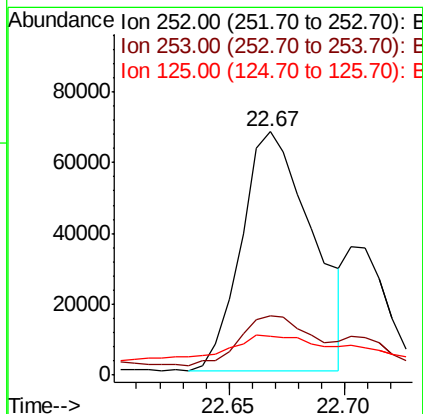
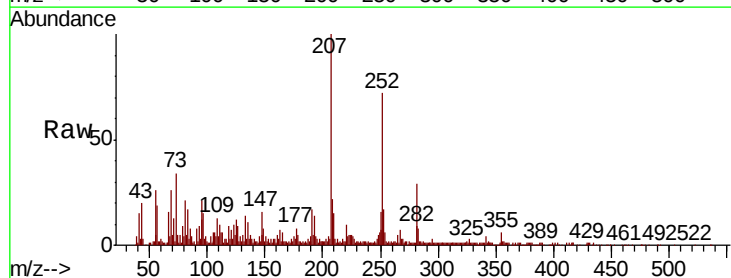
RT: 22.67 min Scan# 3363

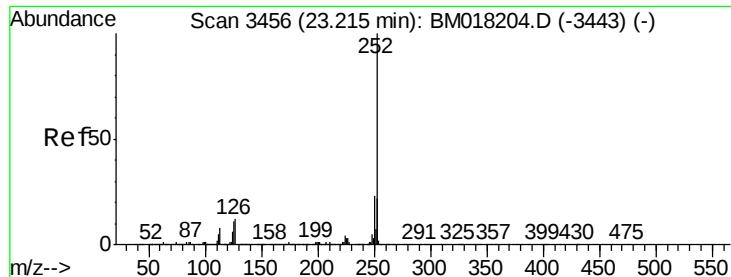
Delta R.T. -0.04 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

Tgt Ion:	252	Resp:	144096
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.9	25.3
125	16.1	7.5	11.3#





#90

Benzo(a)pyrene

Concen: 3.573 ng

RT: 23.21 min Scan# 3456

Delta R.T. -0.00 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

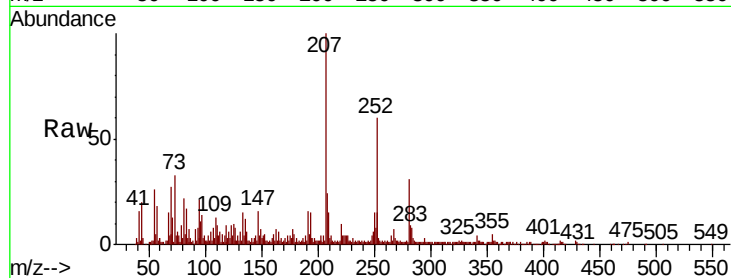
Tgt Ion:252 Resp: 97300

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

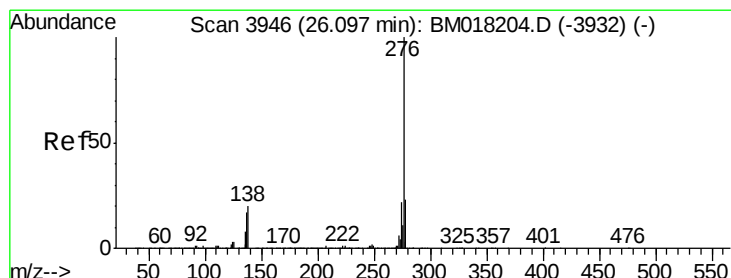
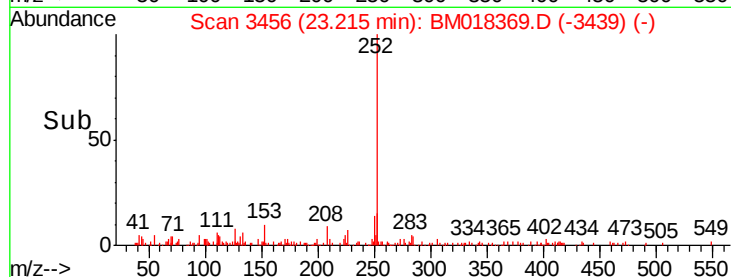
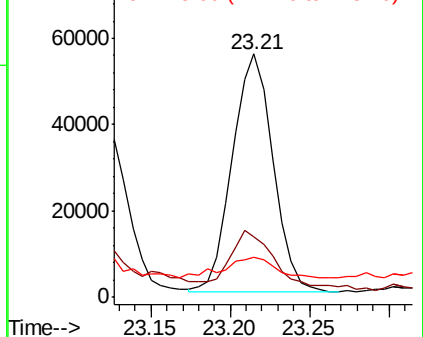
125 16.5 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.182 ng

RT: 26.11 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM018369.D

Acq: 21 Dec 2018 22:29

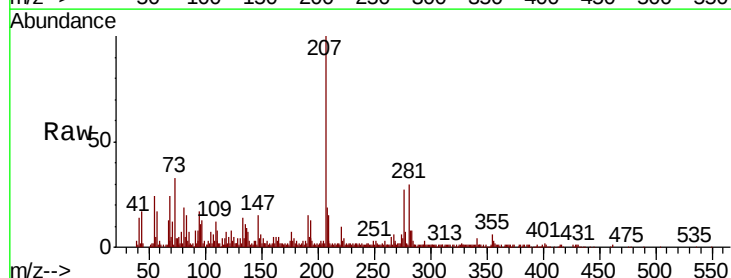
Tgt Ion:276 Resp: 75873

Ion Ratio Lower Upper

276 100

277 26.0 18.7 28.1

138 24.3 15.8 23.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

