

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080618\
 Data File : BM016202.D
 Acq On : 06 Aug 2018 21:47
 Operator : SJ/JU
 Sample : J4333-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-5

Quant Time: Aug 07 00:54:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

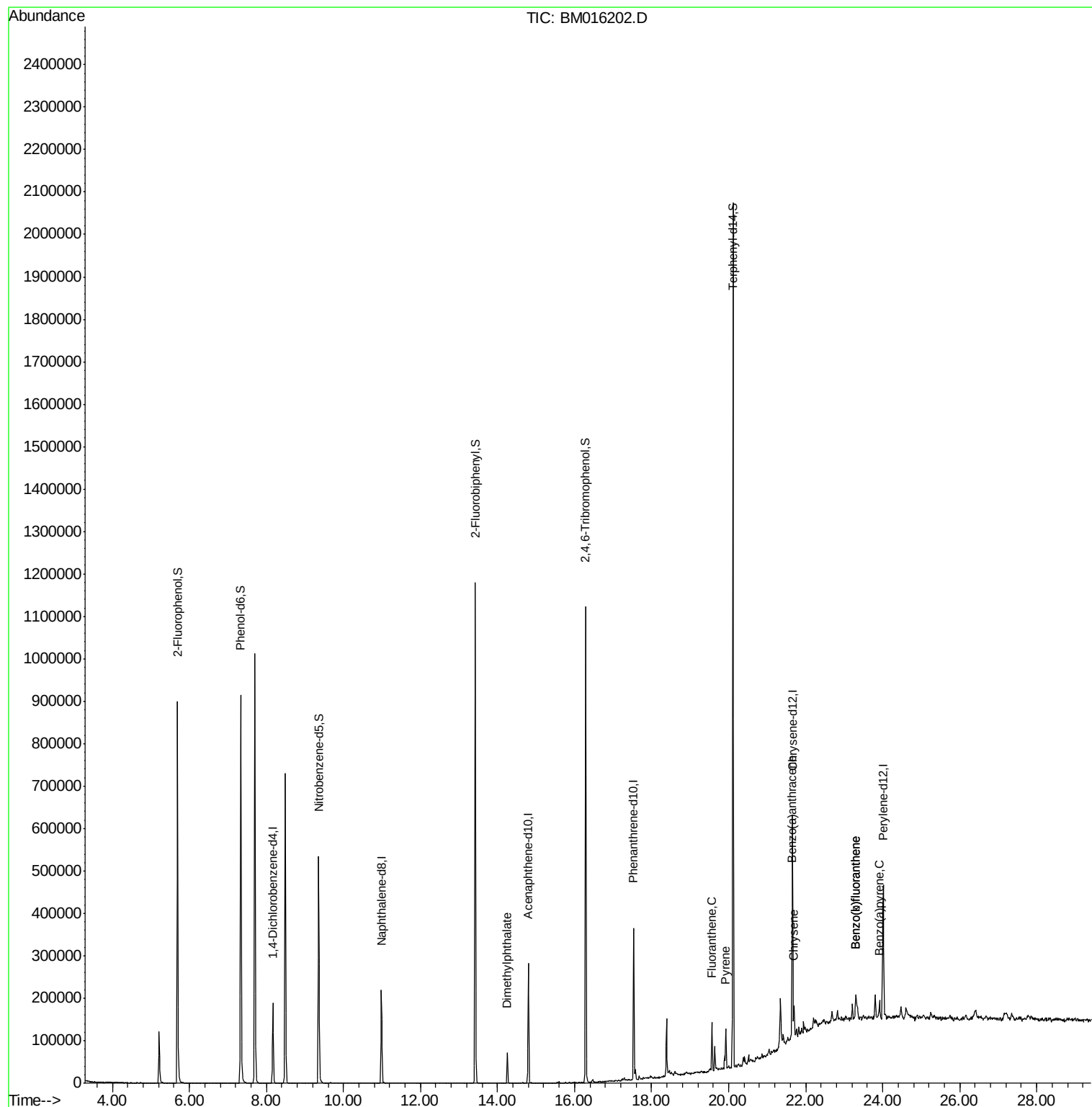
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	40396	20.00	ng	-0.07
21) Naphthalene-d8	10.99	136	153397	20.00	ng	-0.07
38) Acenaphthene-d10	14.80	164	77892	20.00	ng	-0.06
63) Phenanthrene-d10	17.53	188	168972	20.00	ng	-0.05
75) Chrysene-d12	21.66	240	188790	20.00	ng	-0.04
86) Perylene-d12	24.01	264	195026	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	291690	119.95	ng	-0.05
7) Phenol-d6	7.33	99	357010	112.41	ng	-0.05
23) Nitrobenzene-d5	9.36	82	260721	79.05	ng	-0.06
41) 2,4,6-Tribromophenol	16.29	330	108563	109.89	ng	-0.05
44) 2-Fluorobiphenyl	13.42	172	454014	70.92	ng	-0.06
78) Terphenyl-d14	20.11	244	652291	72.33	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	14.26	163	39932	5.858	ng	100
74) Fluoranthene	19.57	202	56755	5.378	ng	98
77) Pyrene	19.93	202	51143	4.520	ng	99
80) Benzo(a)anthracene	21.64	228	38455	3.307	ng	98
82) Chrysene	21.70	228	33517	3.005	ng	96
87) Benzo(b)fluoranthene	23.30	252	40518	3.529	ng	98
88) Benzo(k)fluoranthene	23.30	252	40517	3.482	ng	99
89) Benzo(a)pyrene	23.91	252	25464	2.307	ng	95

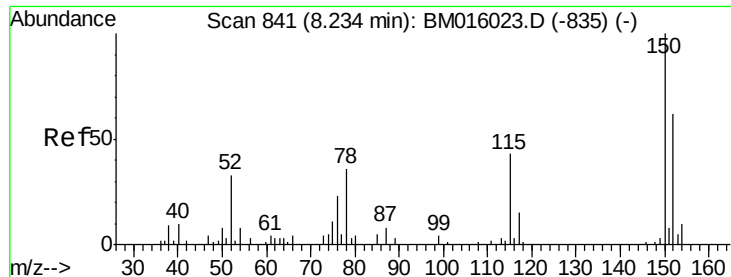
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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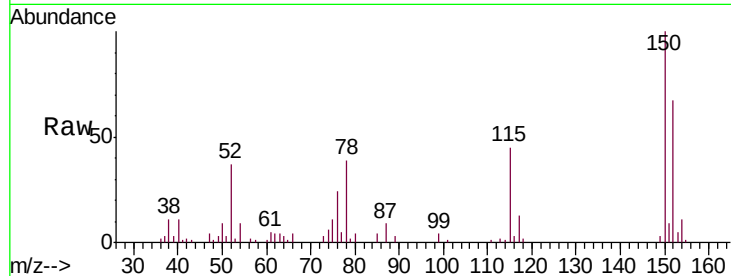


#1

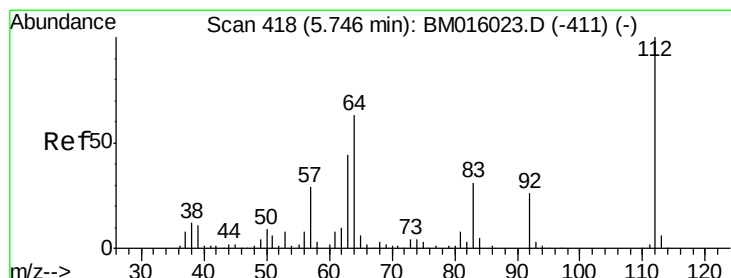
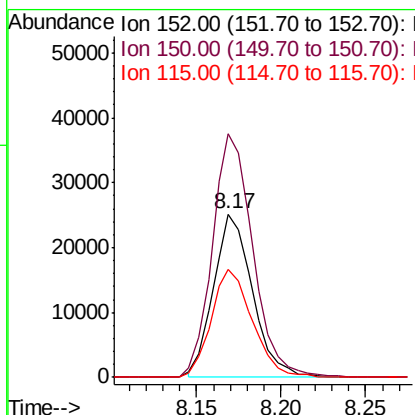
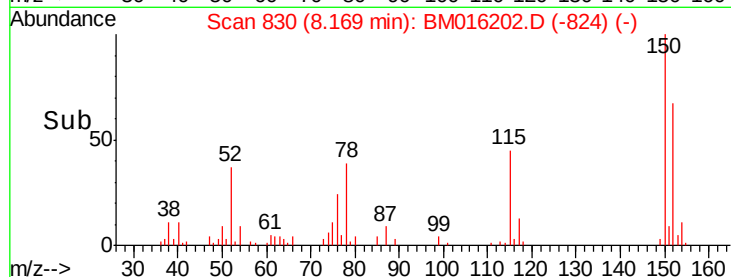
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 830
Delta R.T. -0.07 min
Lab File: BM016202.D
Acq: 06 Aug 2018 21:47

Instrument :
BNA_M
ClientSampleId :
SOIL-5

Tgt Ion:152 Resp: 40396
Ion Ratio Lower Upper
152 100
150 149.2 119.5 179.3
115 66.5 43.0 64.4#



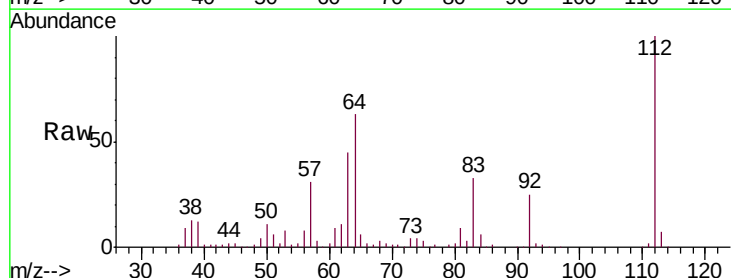
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



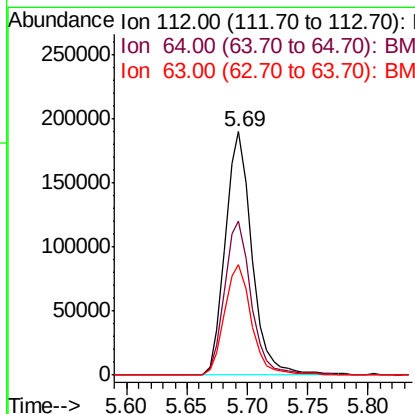
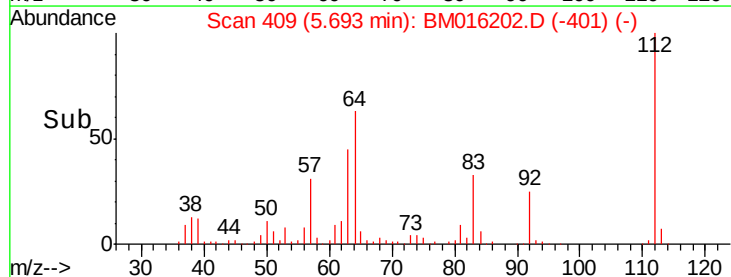
#5

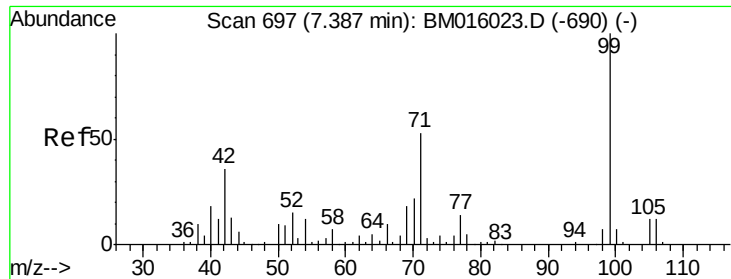
2-Fluorophenol
Concen: N.D. ng
RT: 5.69 min Scan# 409
Delta R.T. -0.05 min
Lab File: BM016202.D
Acq: 06 Aug 2018 21:47

Tgt Ion:112 Resp: 291690
Ion Ratio Lower Upper
112 100
64 63.5 38.6 57.8#
63 45.4 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: 7.33 min Scan# 688

Delta R.T. -0.05 min

Lab File: BM016202.D

Acq: 06 Aug 2018 21:47

Instrument :

BNA_M

ClientSampleId :

SOIL-5

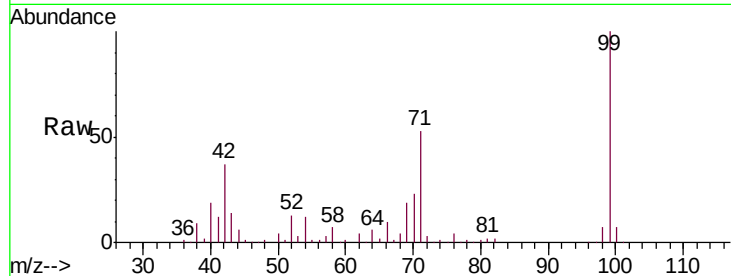
Tgt Ion: 99 Resp: 357010

Ion Ratio Lower Upper

99 100

42 37.1 11.0 16.4#

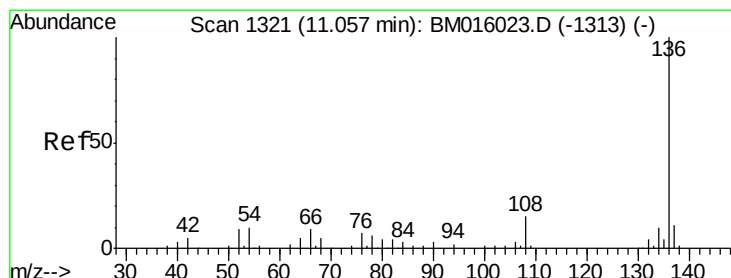
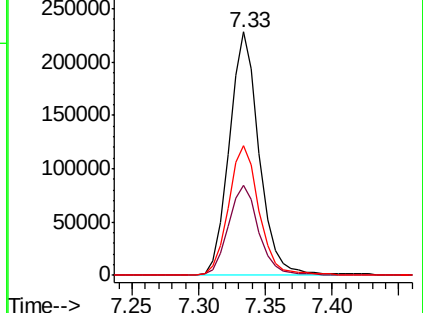
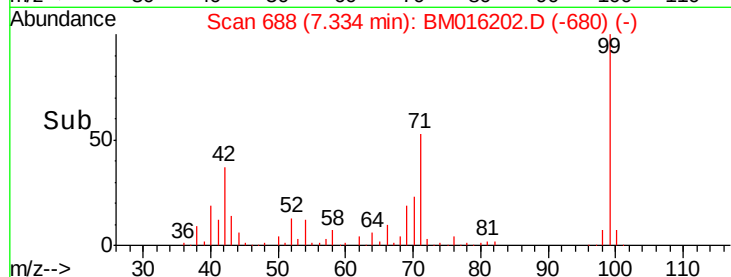
71 53.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016202.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016202.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016202.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1309

Delta R.T. -0.07 min

Lab File: BM016202.D

Acq: 06 Aug 2018 21:47

Tgt Ion: 136 Resp: 153397

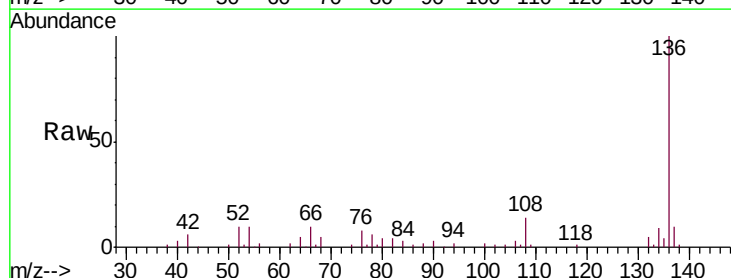
Ion Ratio Lower Upper

136 100

137 9.8 8.7 13.1

54 9.6 4.6 6.8#

68 4.9 3.7 5.5

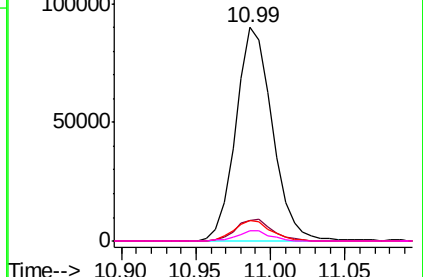
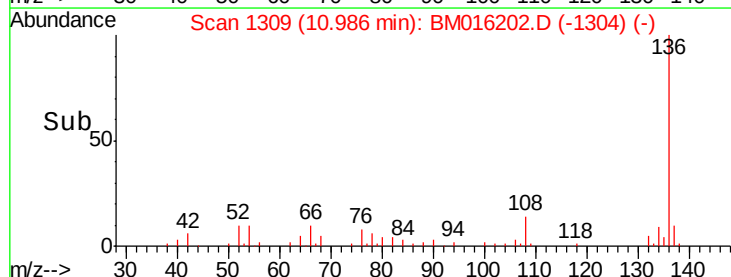


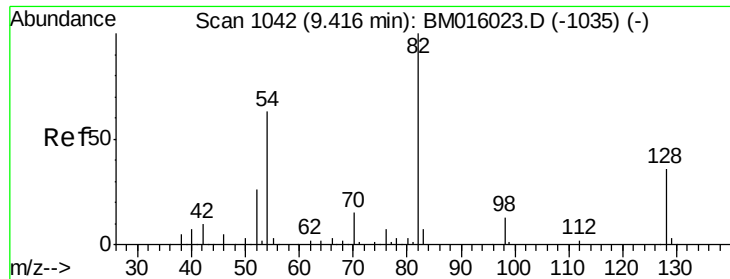
Abundance Ion 136.00 (135.70 to 136.70): BM016202.D (-1304) (-)

Ion 137.00 (136.70 to 137.70): BM016202.D (-1304) (-)

Ion 54.00 (53.70 to 54.70): BM016202.D (-1304) (-)

Ion 68.00 (67.70 to 68.70): BM016202.D (-1304) (-)

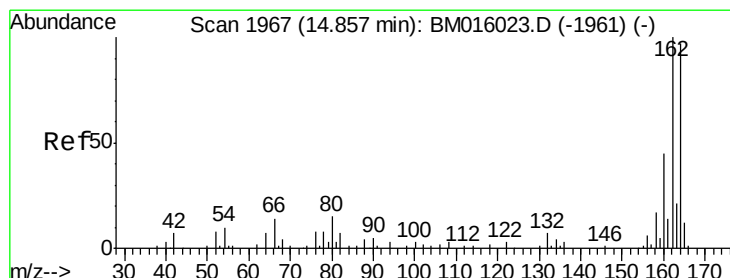
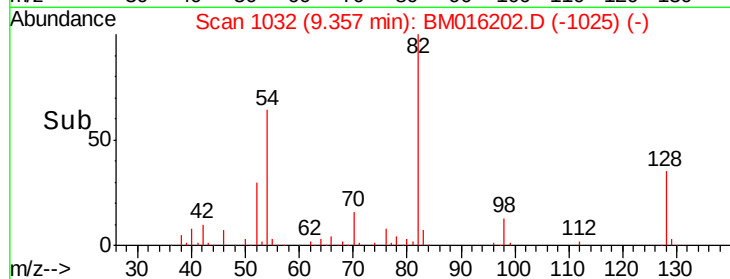
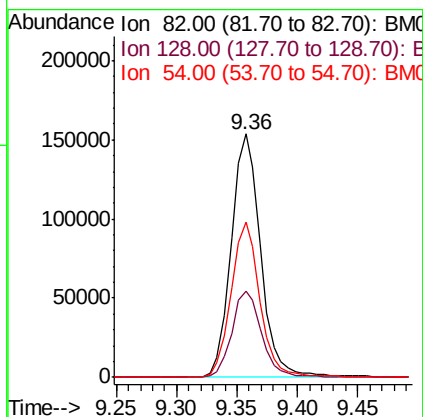
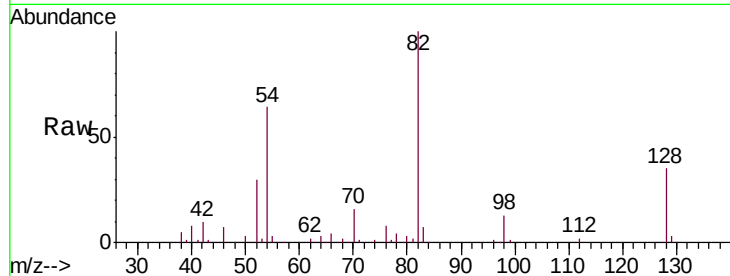




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.36 min Scan# 1032
 Delta R.T. -0.06 min
 Lab File: BM016202.D
 Acq: 06 Aug 2018 21:47

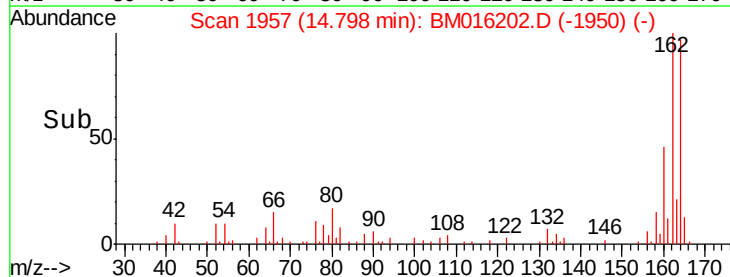
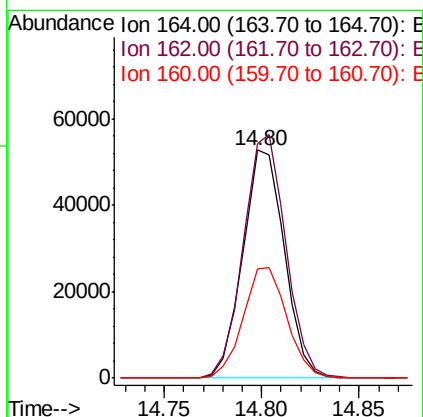
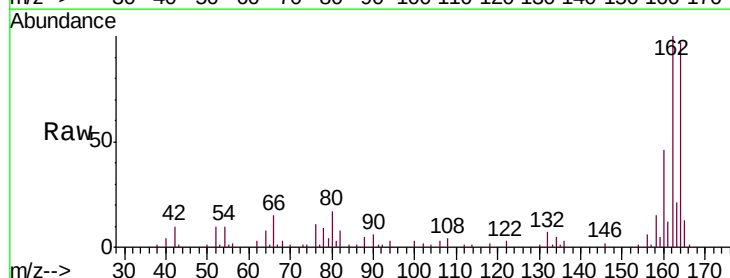
Instrument :
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 SOIL-5

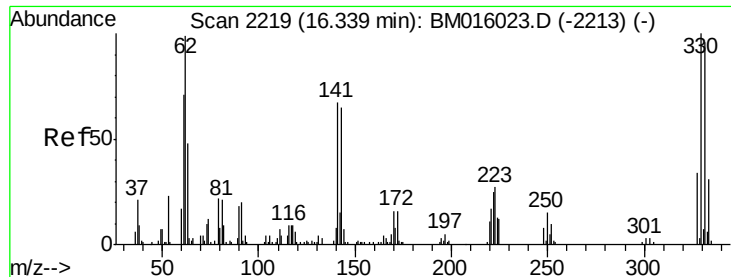
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.3	32.8	49.2
54	63.8	40.6	60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.80 min Scan# 1957
 Delta R.T. -0.06 min
 Lab File: BM016202.D
 Acq: 06 Aug 2018 21:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.4	123.6
160	47.8	35.8	53.6

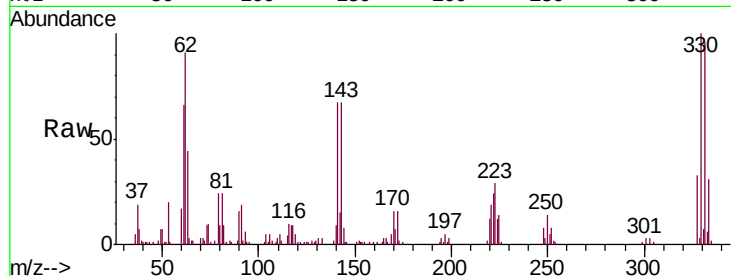




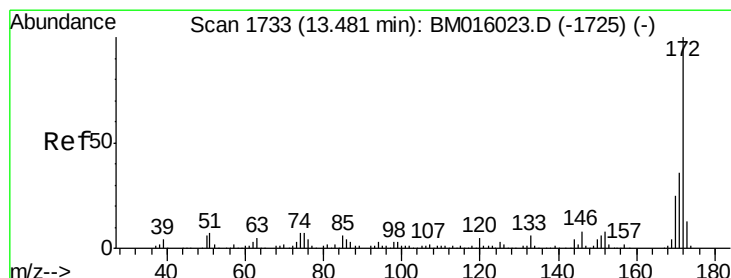
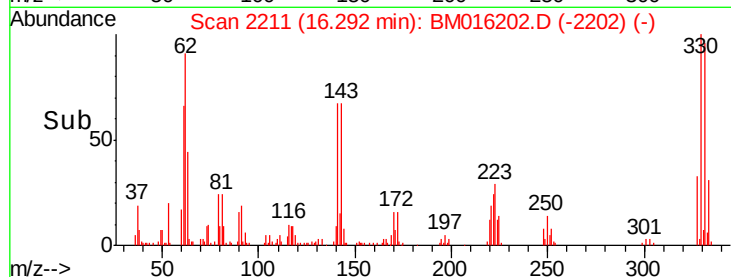
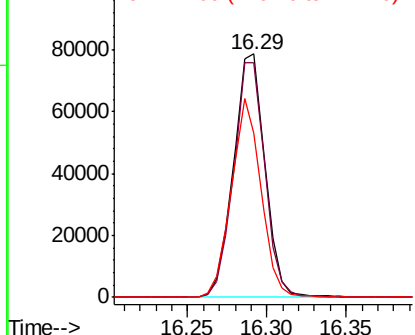
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.29 min Scan# 2211
 Delta R.T. -0.05 min
 Lab File: BM016202.D
 Acq: 06 Aug 2018 21:47

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-5

Tgt Ion:330 Resp: 108563
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 76.6 0.0 0.0#

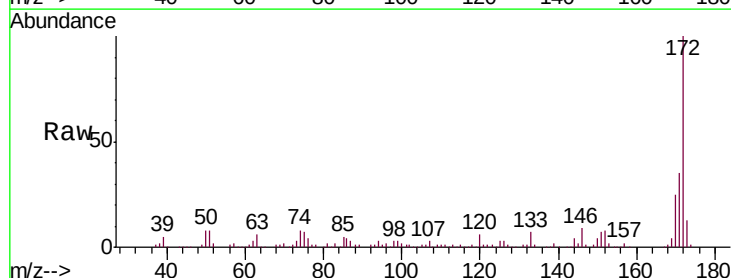


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

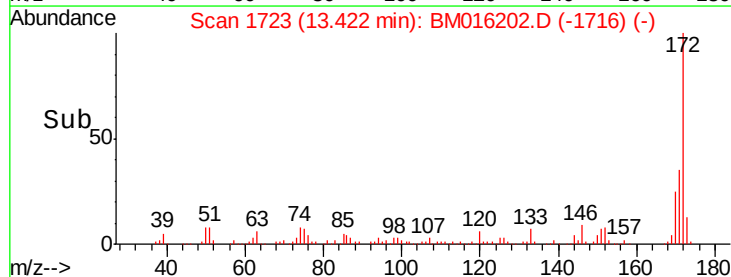
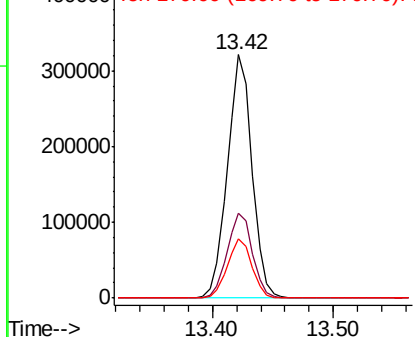


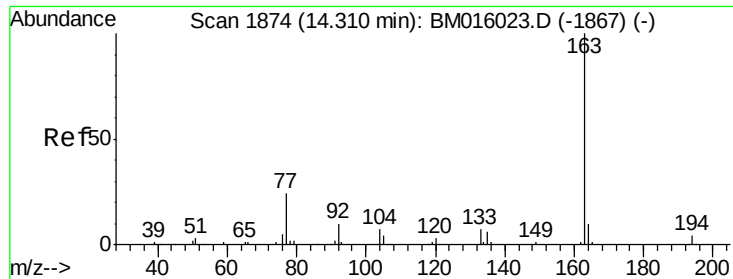
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.42 min Scan# 1723
 Delta R.T. -0.06 min
 Lab File: BM016202.D
 Acq: 06 Aug 2018 21:47

Tgt Ion:172 Resp: 454014
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 24.6 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





#49

Dimethylphthalate

Concen: 5.858 ng

RT: 14.26 min Scan# 1865

Delta R.T. -0.05 min

Lab File: BM016202.D

Acq: 06 Aug 2018 21:47

Instrument :

BNA_M

ClientSampleId :

SOIL-5

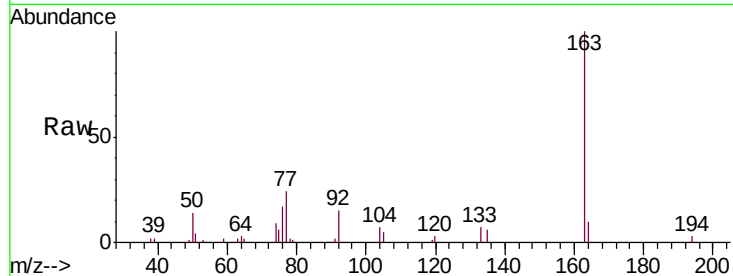
Tgt Ion:163 Resp: 39932

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

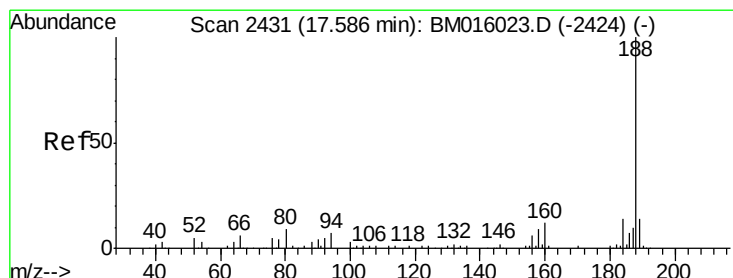
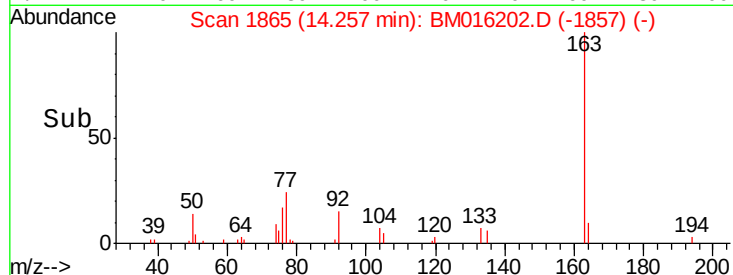
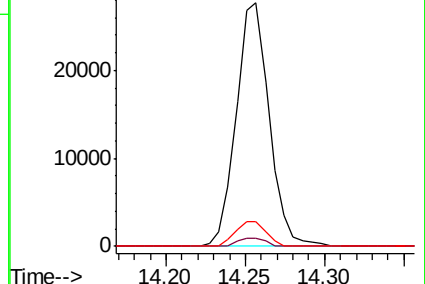
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2422

Delta R.T. -0.05 min

Lab File: BM016202.D

Acq: 06 Aug 2018 21:47

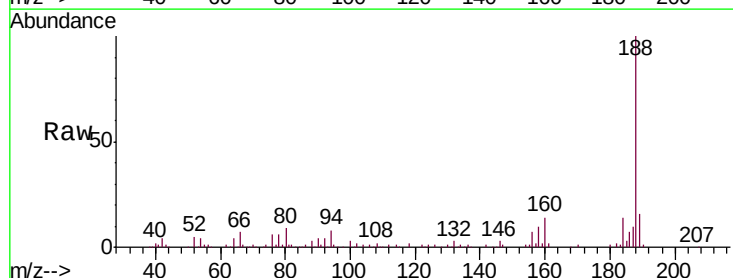
Tgt Ion:188 Resp: 168972

Ion Ratio Lower Upper

188 100

94 7.7 8.7 13.1#

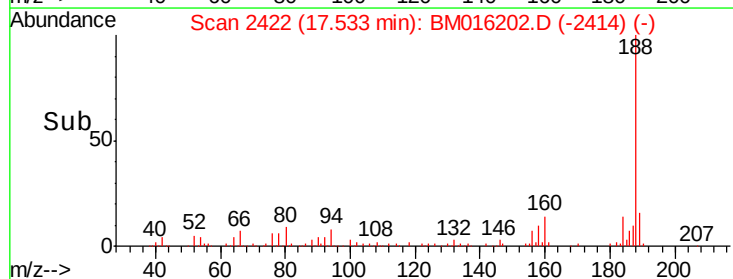
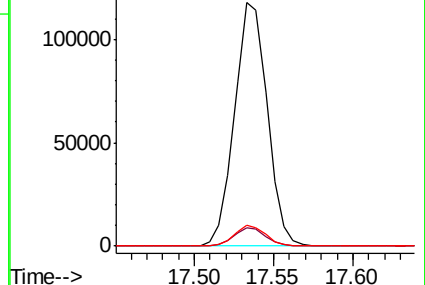
80 8.8 9.3 13.9#

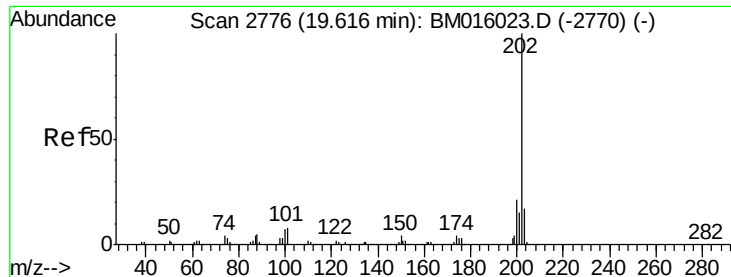


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#74

Fluoranthene

Concen: 5.378 ng

RT: 19.57 min Scan# 2768

Delta R.T. -0.05 min

Lab File: BM016202.D

Acq: 06 Aug 2018 21:47

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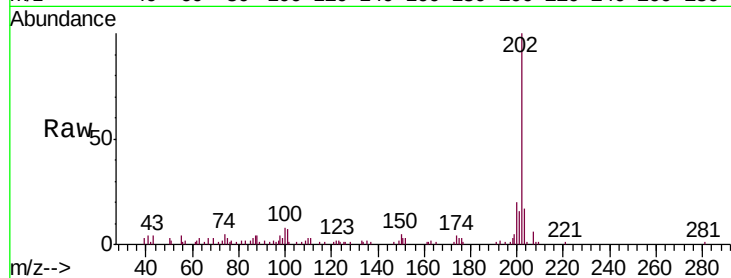
Tgt Ion:202 Resp: 56755

Ion Ratio Lower Upper

202 100

101 6.8 0.0 28.7

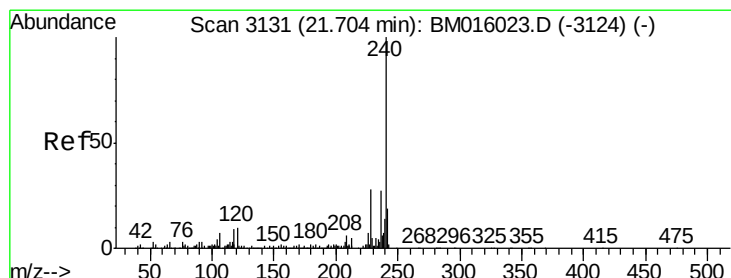
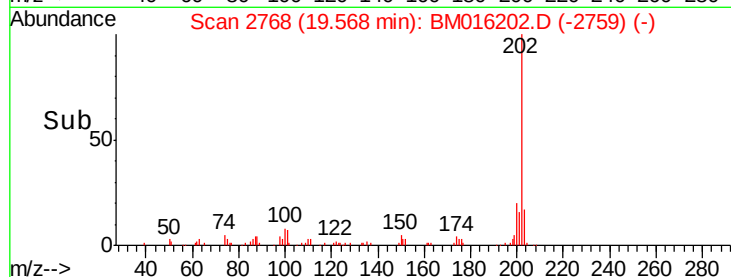
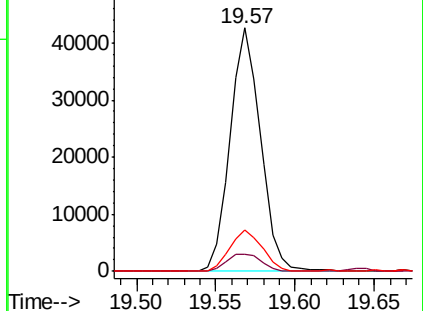
203 17.0 0.0 37.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3124

Delta R.T. -0.04 min

Lab File: BM016202.D

Acq: 06 Aug 2018 21:47

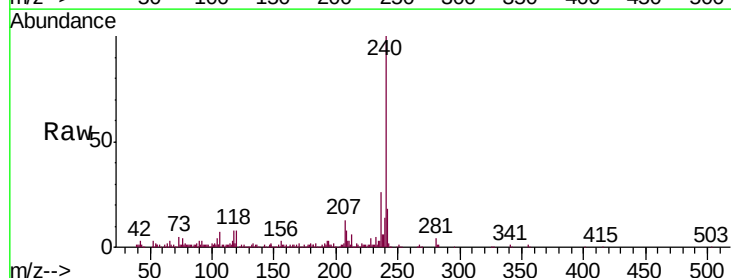
Tgt Ion:240 Resp: 188790

Ion Ratio Lower Upper

240 100

120 8.3 8.2 12.2

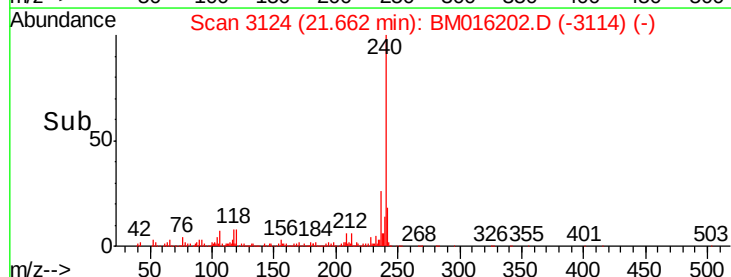
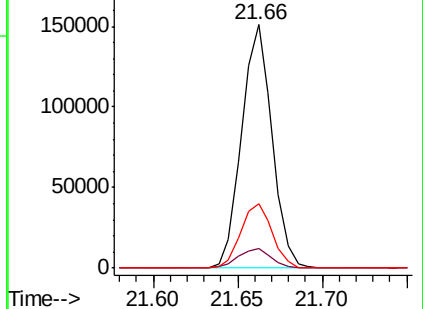
236 26.5 20.0 30.0

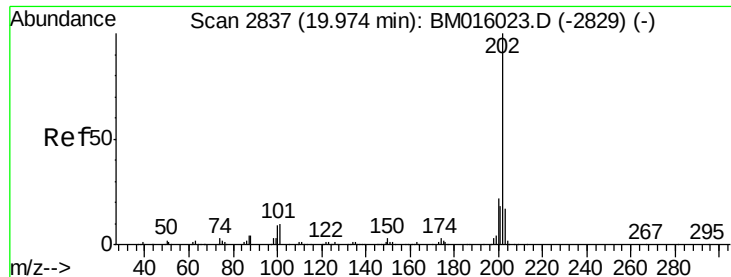


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.520 ng

RT: 19.93 min Scan# 2829

Delta R.T. -0.05 min

Lab File: BM016202.D

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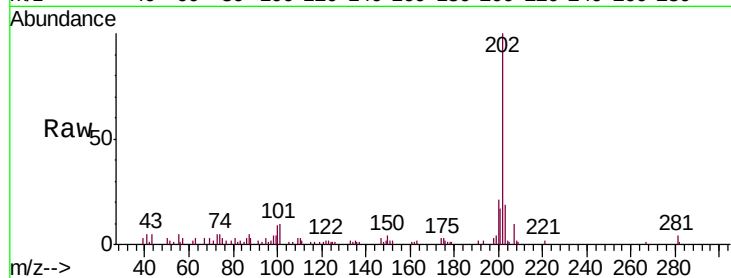
Tgt Ion:202 Resp: 51143

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

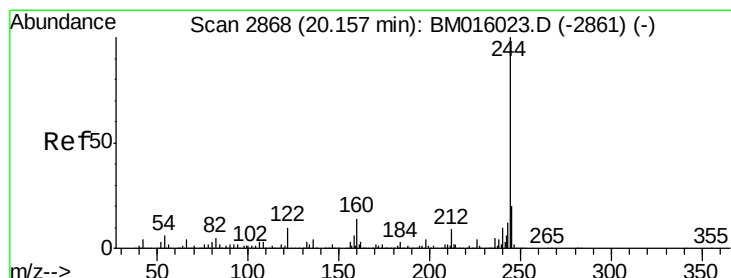
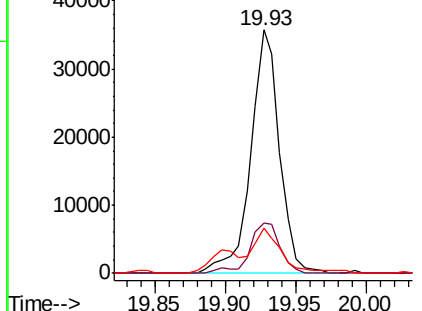
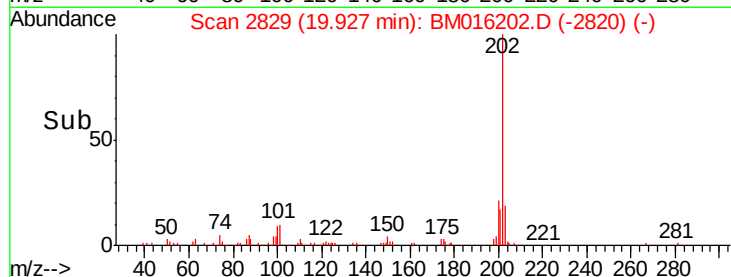
203 18.7 14.1 21.1



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



#78

Terphenyl-d14

Concen: 4.520 ng

RT: 20.11 min Scan# 2860

Delta R.T. -0.05 min

Lab File: BM016202.D

Acq: 06 Aug 2018 21:47

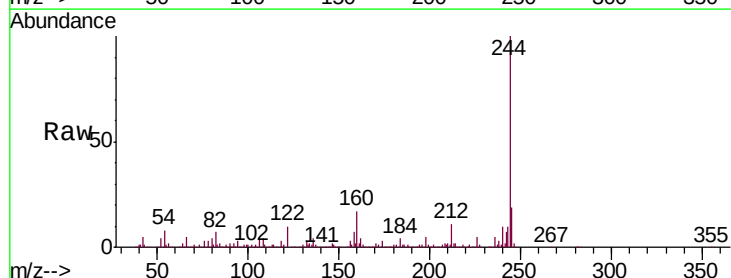
Tgt Ion:244 Resp: 652291

Ion Ratio Lower Upper

244 100

212 10.7 4.9 7.3#

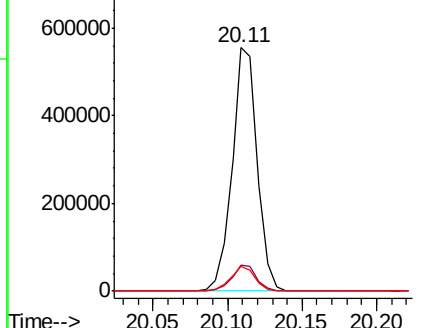
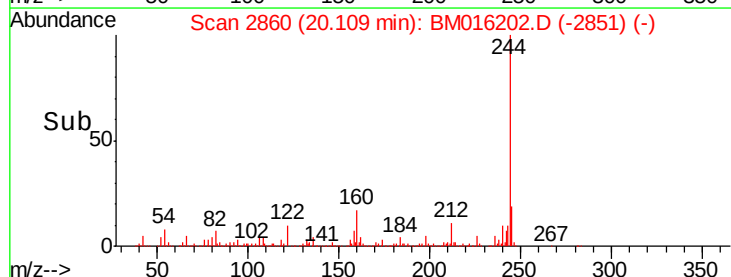
122 10.2 6.2 9.4#

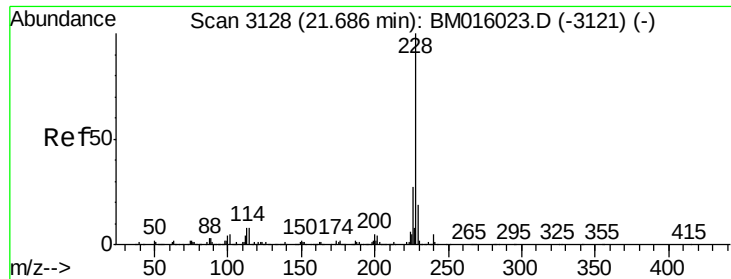


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

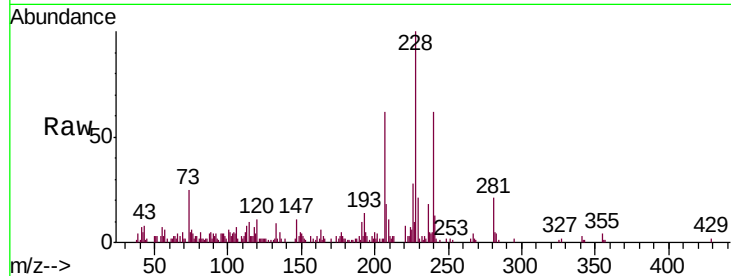




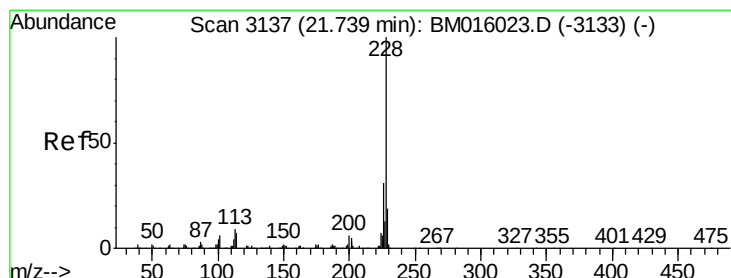
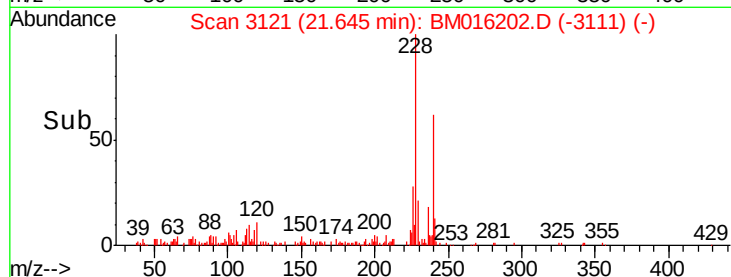
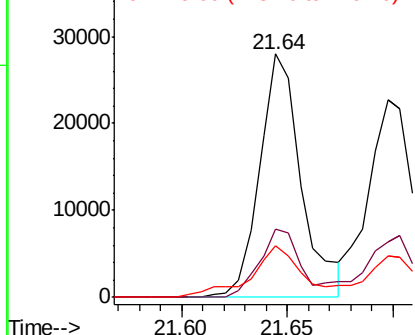
#80
Benzo(a)anthracene
Concen: 3.307 ng
RT: 21.64 min Scan# 3121
Delta R.T. -0.04 min
Lab File: BM016202.D
Acq: 06 Aug 2018 21:47

Instrument :
BNA_M
ClientSampled :
SOIL-5

Tgt Ion:228 Resp: 38455
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 21.0 16.0 24.0

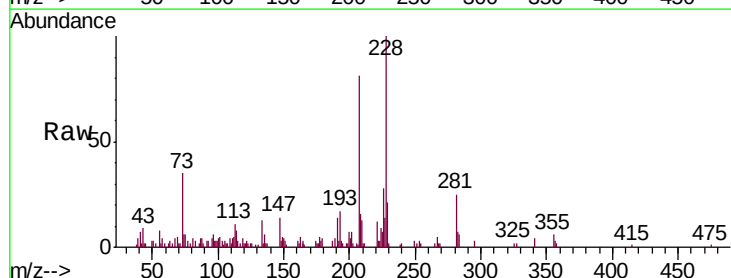


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

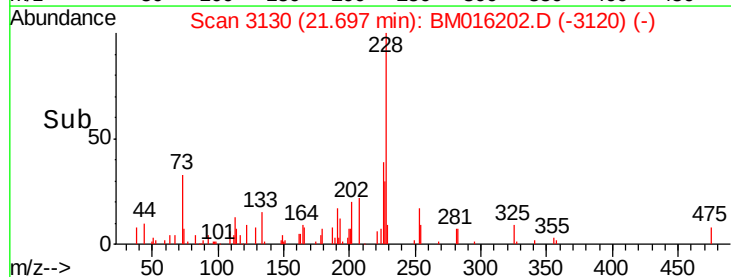
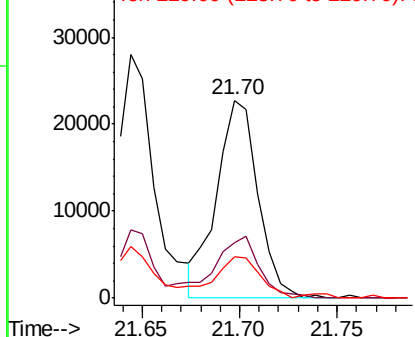


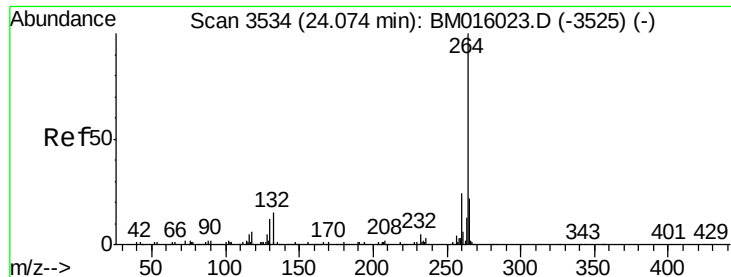
#82
Chrysene
Concen: 3.005 ng
RT: 21.70 min Scan# 3130
Delta R.T. -0.04 min
Lab File: BM016202.D
Acq: 06 Aug 2018 21:47

Tgt Ion:228 Resp: 33517
Ion Ratio Lower Upper
228 100
226 28.0 24.1 36.1
229 20.9 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



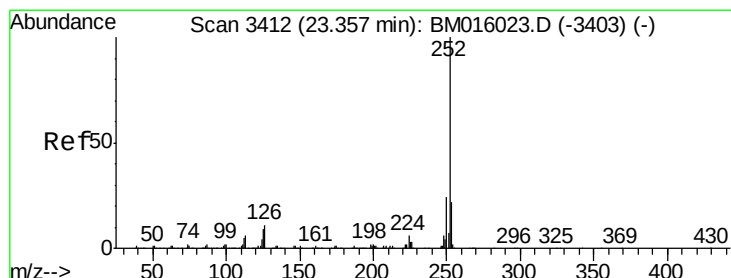
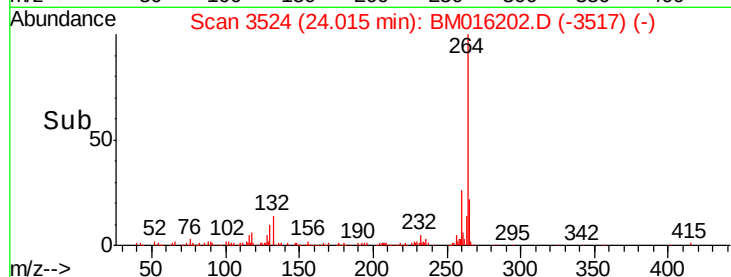
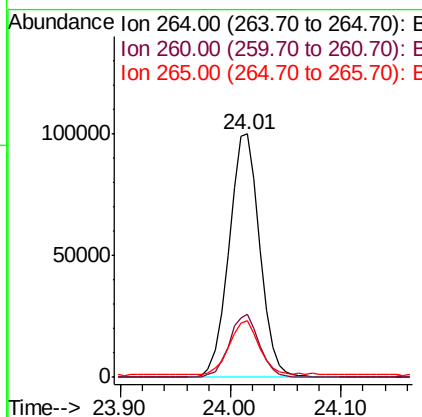
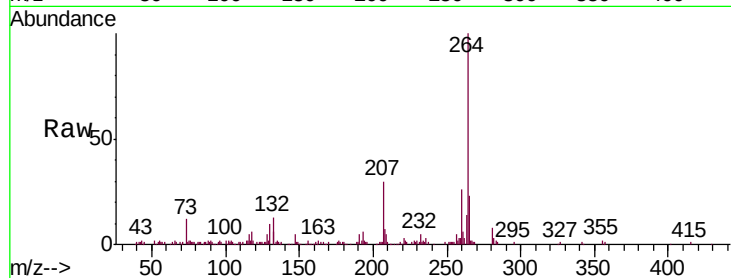


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.01 min Scan# 3524
Delta R.T. -0.06 min
Lab File: BM016202.D
Acq: 06 Aug 2018 21:47

Instrument :
BNA_M
ClientSampleId :
SOIL-5

Tgt Ion: 264 Resp: 195026

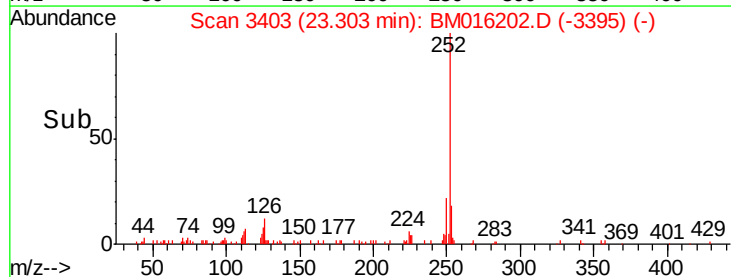
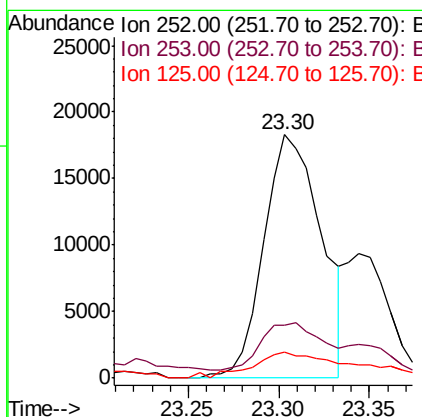
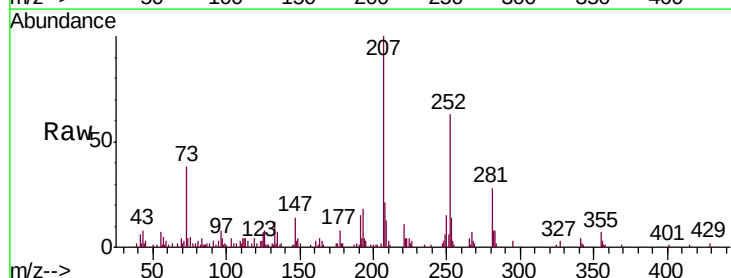
Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.6	27.8
265	23.2	17.3	25.9

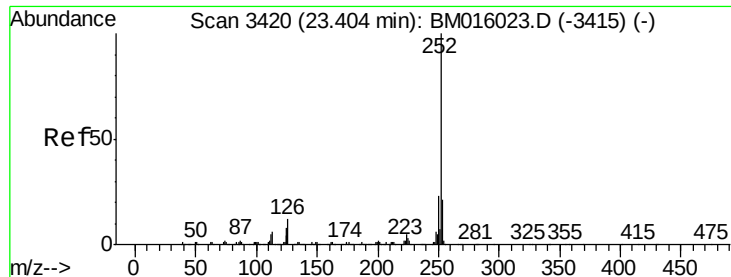


#87
Benzo(b)fluoranthene
Concen: 3.529 ng
RT: 23.30 min Scan# 3403
Delta R.T. -0.05 min
Lab File: BM016202.D
Acq: 06 Aug 2018 21:47

Tgt Ion: 252 Resp: 40518

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	10.6	9.9	14.9

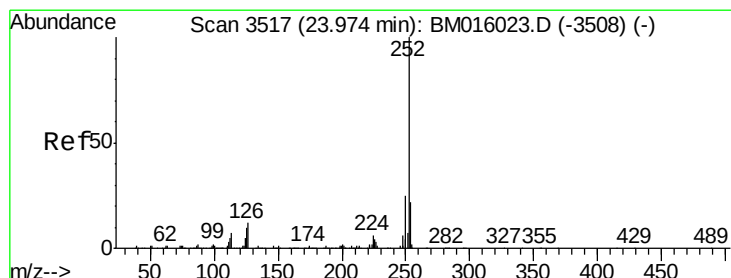
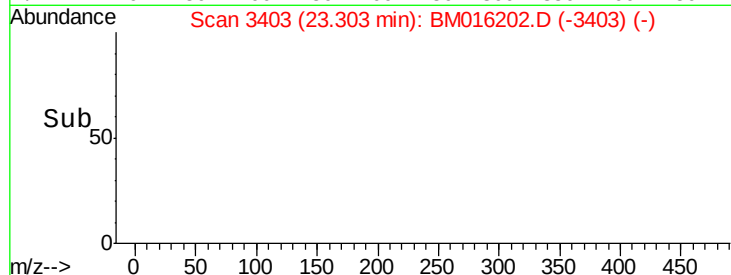
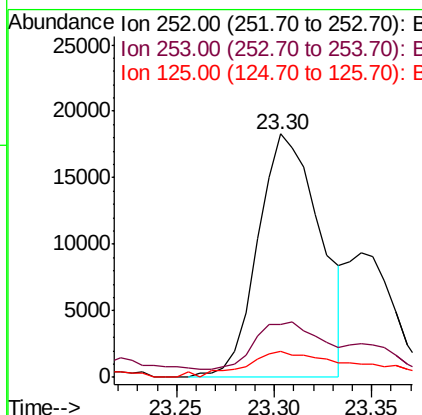
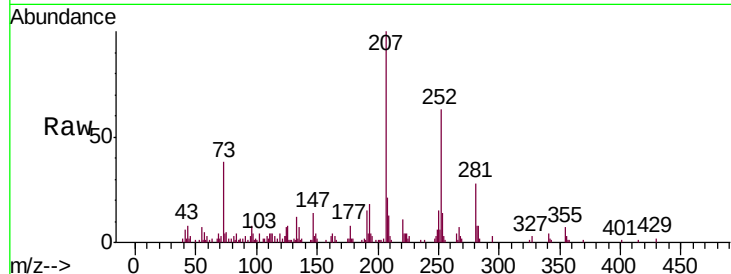




#88
Benzo(k)fluoranthene
Concen: 3.482 ng
RT: 23.30 min Scan# 3403
Delta R.T. -0.10 min
Lab File: BM016202.D
Acq: 06 Aug 2018 21:47

Instrument :
BNA_M
ClientSampleId :
SOIL-5

Tgt Ion:	252	Resp:	40517
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.2	25.8
125	10.6	8.1	12.1



#89
Benzo(a)pyrene
Concen: 2.307 ng
RT: 23.91 min Scan# 3507
Delta R.T. -0.06 min
Lab File: BM016202.D
Acq: 06 Aug 2018 21:47

Tgt Ion:	252	Resp:	25464
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.6	26.4
125	10.2	7.4	11.2

