

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040115\
 Data File : BM000795.D
 Acq On : 01 Apr 2015 21:44
 Operator : TP/IZ
 Sample : G1614-03
 Misc : LOD-SOIL-0.1PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

Manual Integrations
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Quant Time: Apr 02 02:29:29 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 04:17:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	30795	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	104255	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	49965	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	110427	5.00	ng	0.00
19) Chrysene-d12	21.21	240	89867	5.00	ng	0.00
25) Perylene-d12	23.40	264	82949	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	50912	7.96	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	153720	9.92	ng	0.00
21) Terphenyl-d14	19.66	244	118498	10.96	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.45	128	1555	0.06	ng	# 88
7) 2-Methylnaphthalene	12.08	142	953	0.06	ng	96
10) Acenaphthylene	13.98	152	1228	0.06	ng	99
11) Acenaphthene	14.33	154	902	0.06	ng	95
12) Fluorene	15.32	166	1083	0.06	ng	99
14) Hexachlorobenzene	16.33	284	435	0.07	ng	# 95
16) Phenanthrene	17.05	178	1912m	0.06	ng	
17) Anthracene	17.15	178	1543	0.06	ng	99
18) Fluoranthene	19.09	202	1803	0.06	ng	99
20) Pyrene	19.44	202	1869	0.06	ng	98
22) Benzo(a)anthracene	21.19	228	1810	0.07	ng	# 91
23) Chrysene	21.24	228	2002	0.07	ng	96
24) Indeno(1,2,3-cd)pyrene	25.59	276	1771	0.06	ng	98
26) Benzo(b)fluoranthene	22.74	252	1715	0.07	ng	# 72
27) Benzo(k)fluoranthene	22.79	252	1739	0.07	ng	# 68
28) Benzo(a)pyrene	23.30	252	1615	0.07	ng	# 62
29) Dibenzo(a,h)anthracene	25.60	278	1465	0.07	ng	# 71
30) Benzo(g,h,i)perylene	26.25	276	1660	0.07	ng	# 84

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

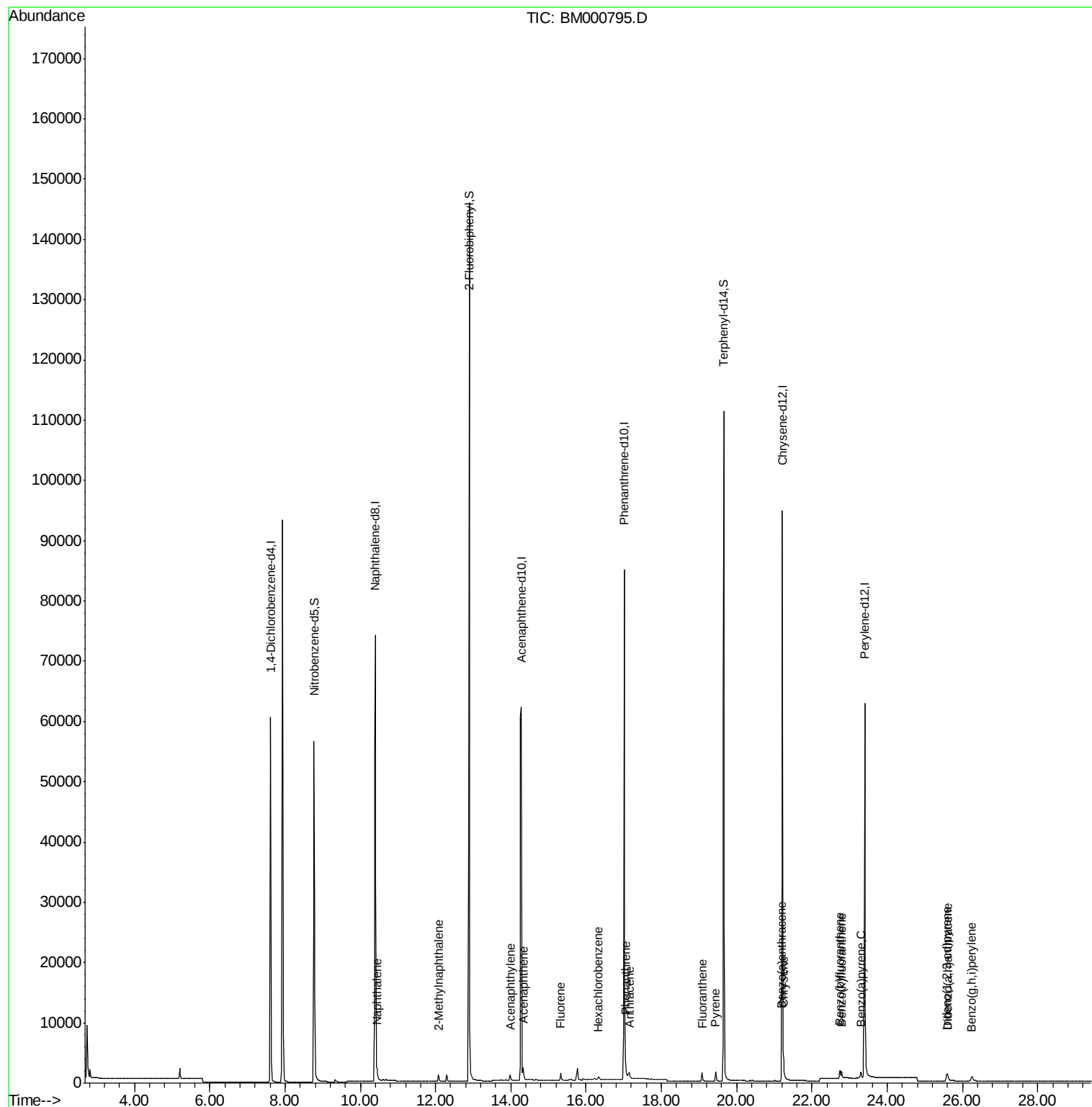
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040115\
Data File : BM000795.D
Acq On : 01 Apr 2015 21:44
Operator : TP/IZ
Sample : G1614-03
Misc : LOD-SOIL-0.1PPM
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Instrument :
BNA_M
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LOD-SOIL2015-01

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Quant Time: Apr 02 02:29:29 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 04:17:30 2015
Response via : Initial Calibration

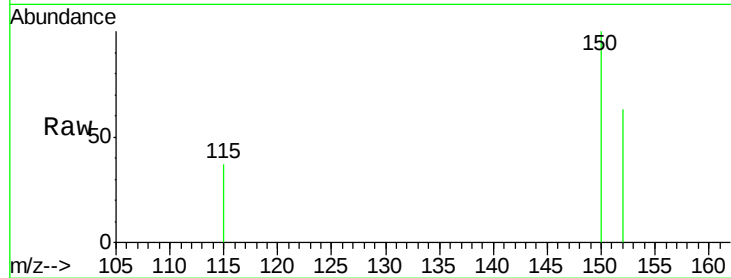




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 919
Delta R.T. -0.01 min
Lab File: BM000795.D
Acq: 01 Apr 2015 21:44

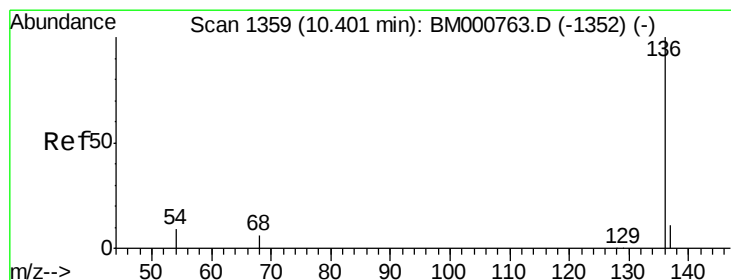
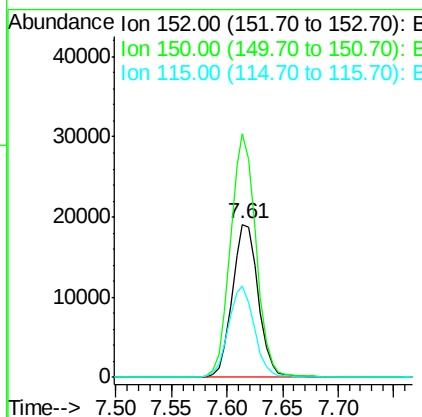
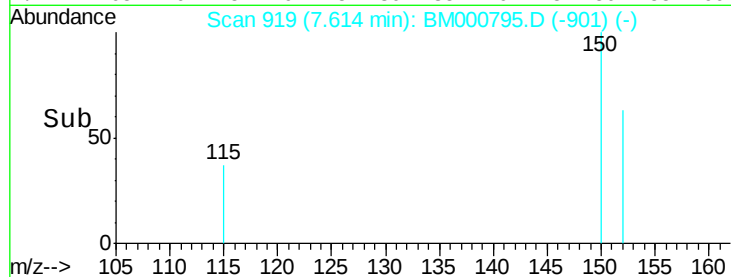
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01



Tgt Ion:152 Resp: 30795
Ion Ratio Lower Upper
152 100
150 159.4 120.8 181.2
115 59.4 42.7 64.1

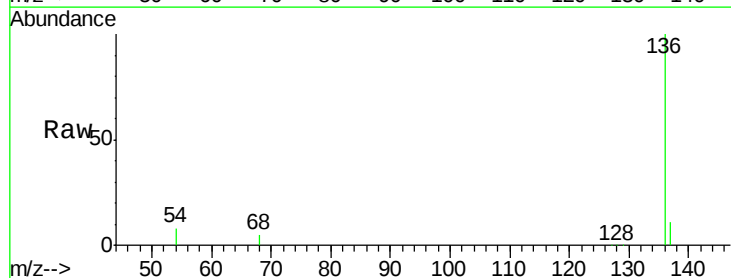
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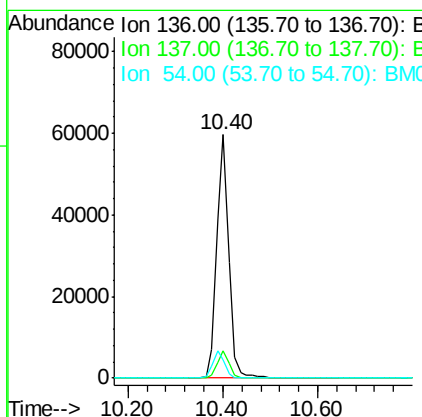
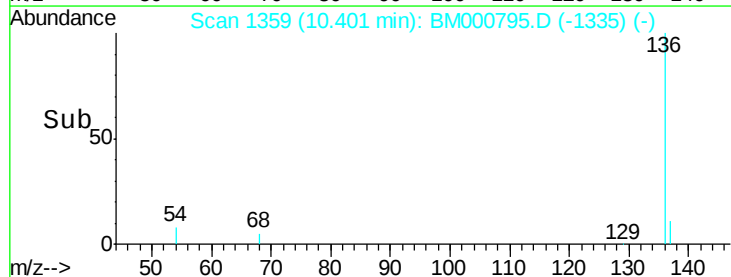


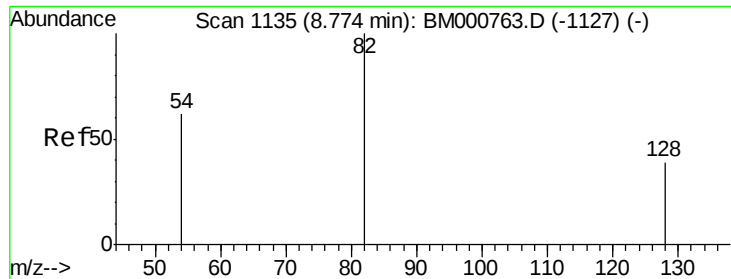
#4

Naphthalene-d8
Concen: 5.00 ng
RT: 10.40 min Scan# 1359
Delta R.T. 0.00 min
Lab File: BM000795.D
Acq: 01 Apr 2015 21:44



Tgt Ion:136 Resp: 104255
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 7.7 7.0 10.6





#5

Nitrobenzene-d5

Concen: 7.96 ng

RT: 8.77 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BM000795.D

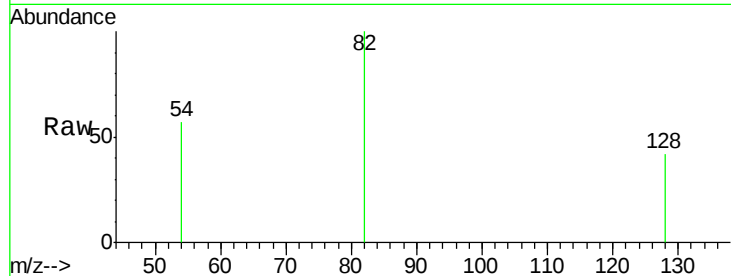
Acq: 01 Apr 2015 21:44

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01



Tgt Ion: 82 Resp: 50912

Ion Ratio Lower Upper

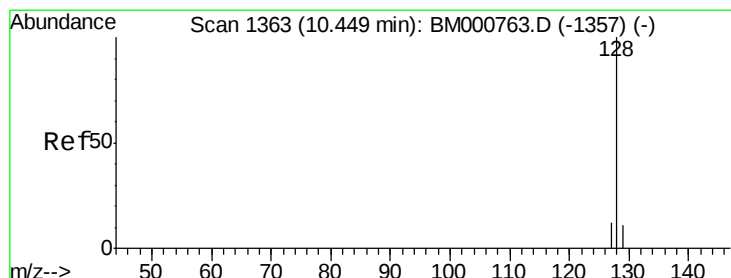
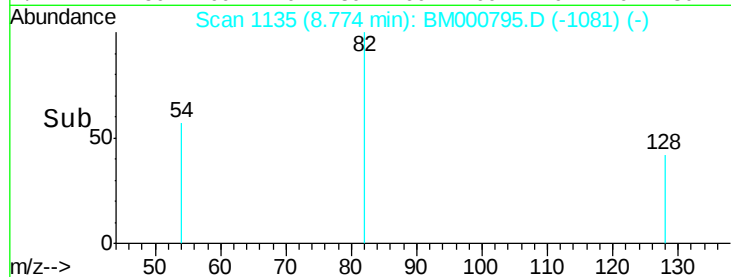
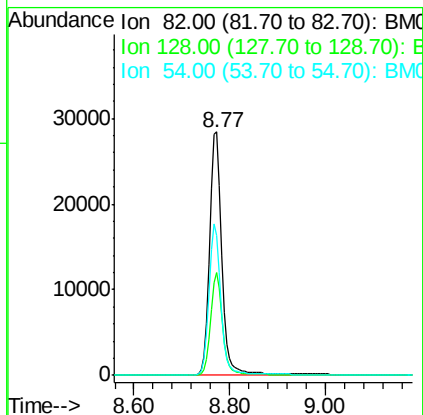
82 100

128 42.3 32.2 48.2

54 57.4 50.2 75.4

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#6

Naphthalene

Concen: 0.06 ng

RT: 10.45 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BM000795.D

Acq: 01 Apr 2015 21:44

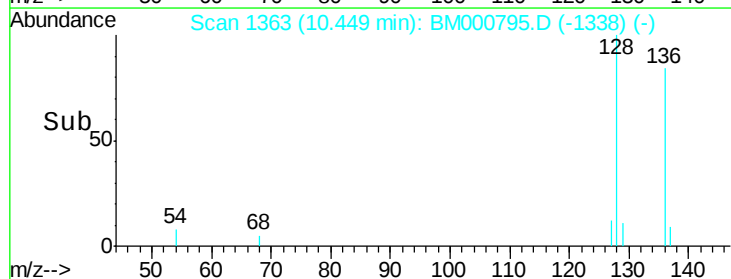
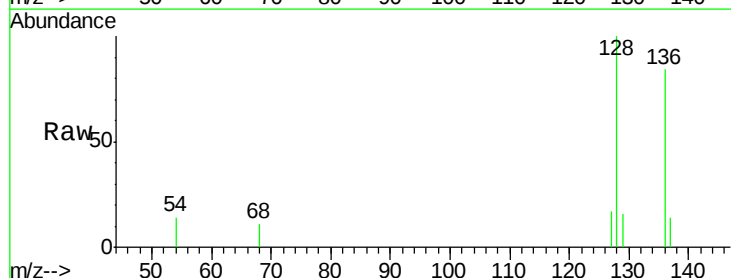
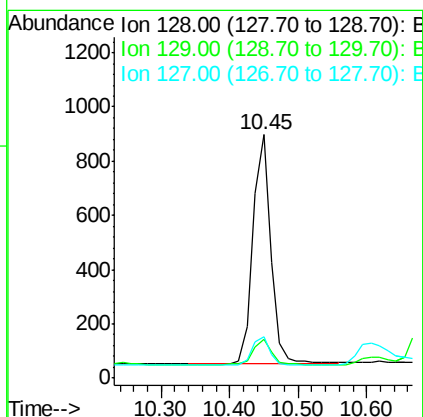
Tgt Ion: 128 Resp: 1555

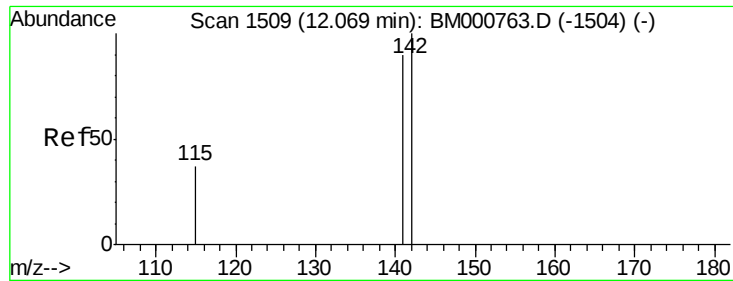
Ion Ratio Lower Upper

128 100

129 16.0 8.9 13.3#

127 16.9 10.0 15.0#





#7

2-Methylnaphthalene

Concen: 0.06 ng

RT: 12.08 min Scan# 1510

Delta R.T. 0.01 min

Lab File: BM000795.D

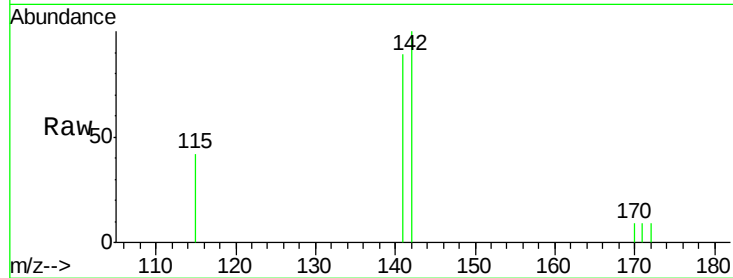
Acq: 01 Apr 2015 21:44

Instrument :

BNA_M

ClientSampleId :

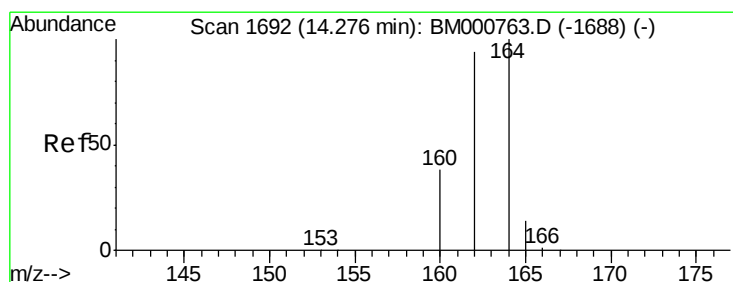
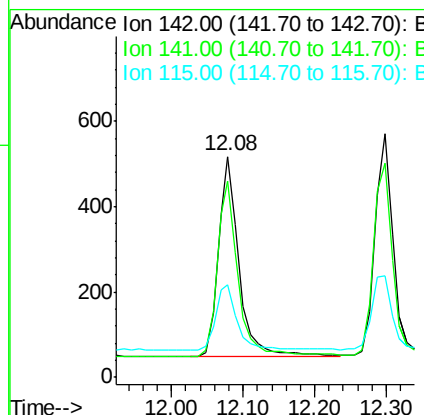
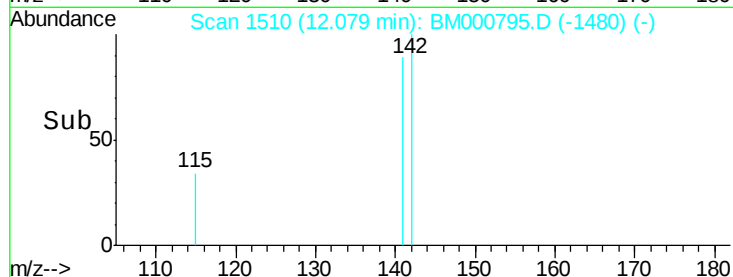
LOD-SOIL2015-01



Tgt Ion:	142	Resp:	953
Ion Ratio	Lower	Upper	
142	100		
141	88.6	72.3	108.5
115	42.1	29.5	44.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

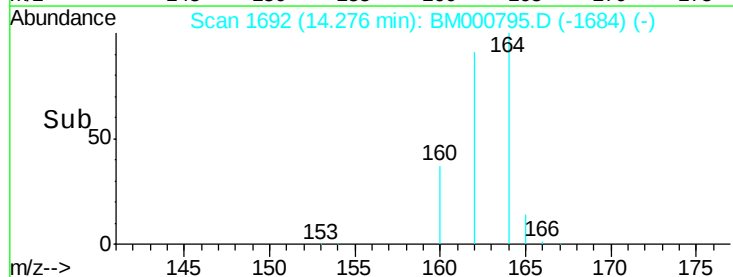
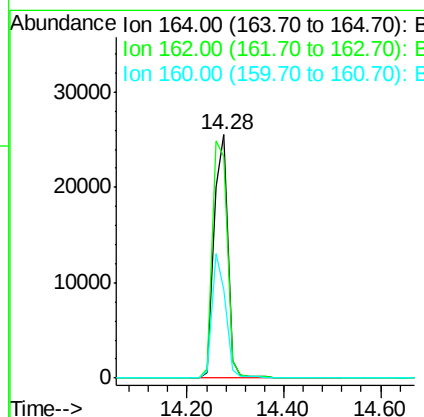
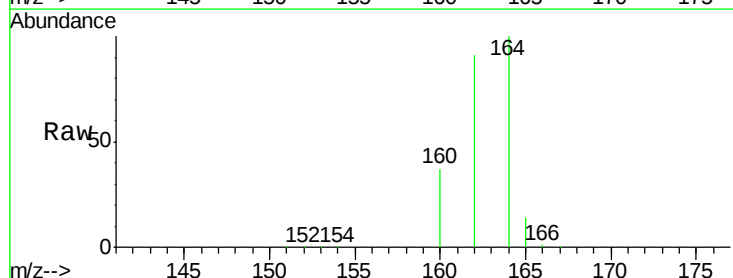
RT: 14.28 min Scan# 1692

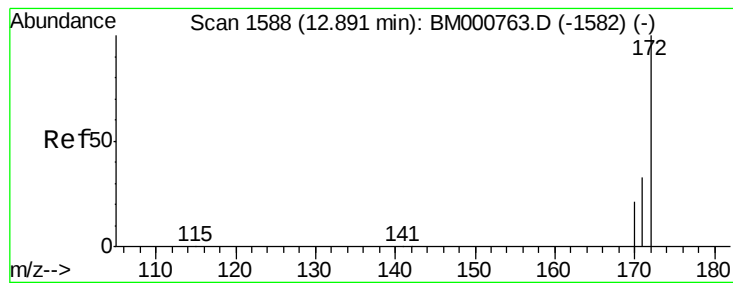
Delta R.T. 0.00 min

Lab File: BM000795.D

Acq: 01 Apr 2015 21:44

Tgt Ion:	164	Resp:	49965
Ion Ratio	Lower	Upper	
164	100		
162	90.9	75.4	113.2
160	36.7	30.8	46.2





#9

2-Fluorobiphenyl

Concen: 9.92 ng

RT: 12.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BM000795.D

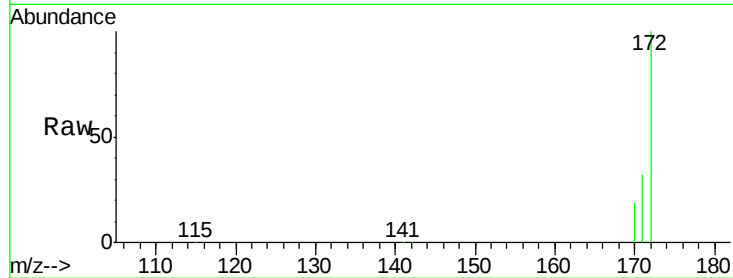
Acq: 01 Apr 2015 21:44

Instrument :

BNA_M

ClientSampleId :

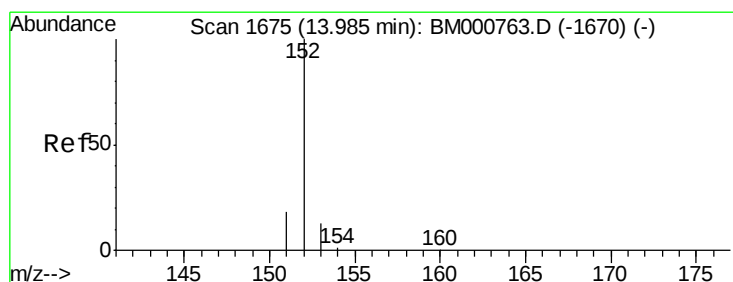
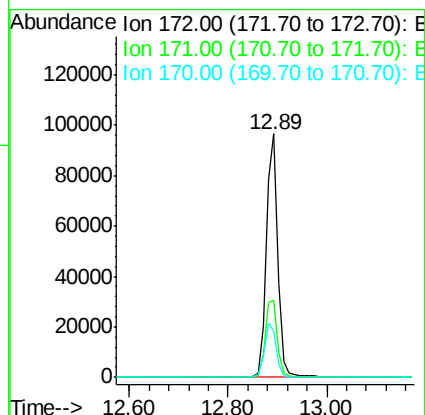
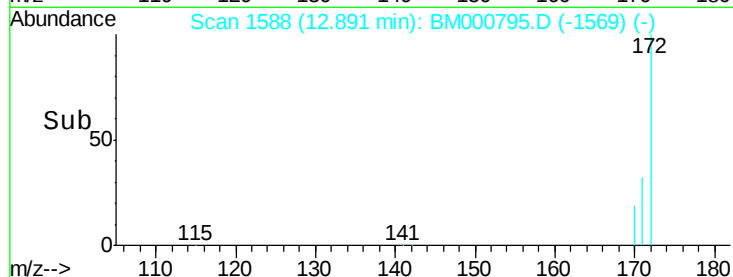
LOD-SOIL2015-01



Tgt Ion:	172	Resp:	153720
Ion Ratio	Lower	Upper	
172	100		
171	31.6	26.6	39.8
170	19.1	17.1	25.7

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#10

Acenaphthylene

Concen: 0.06 ng

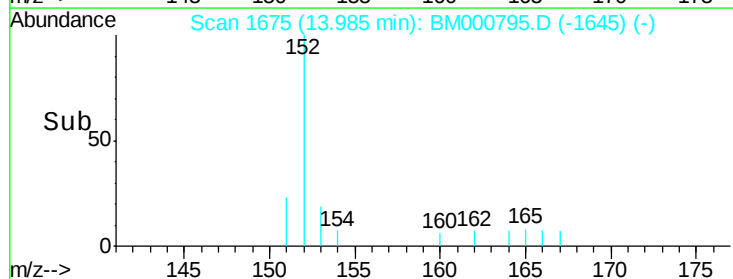
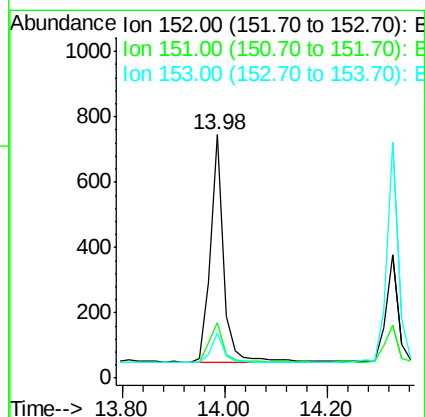
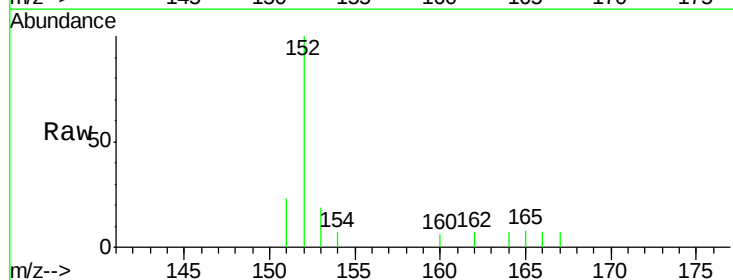
RT: 13.98 min Scan# 1675

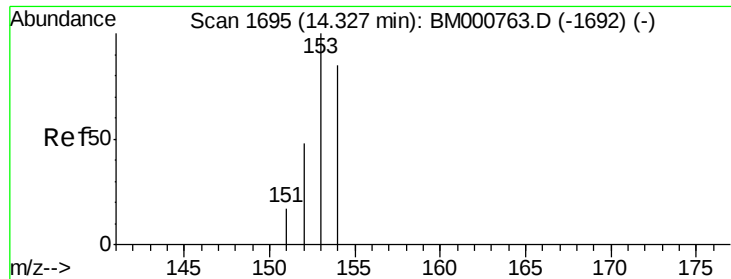
Delta R.T. 0.00 min

Lab File: BM000795.D

Acq: 01 Apr 2015 21:44

Tgt Ion:	152	Resp:	1228
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.1	22.7
153	12.0	10.2	15.4





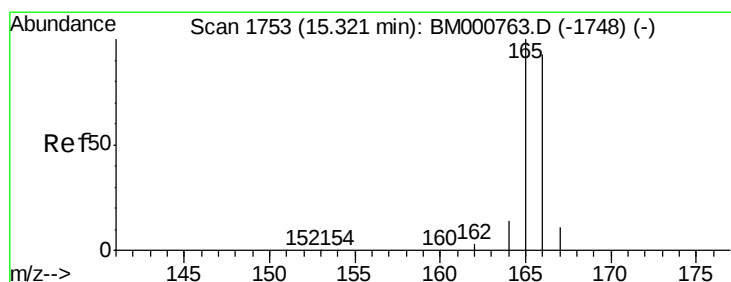
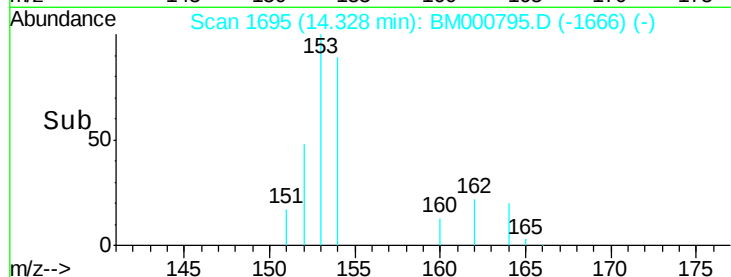
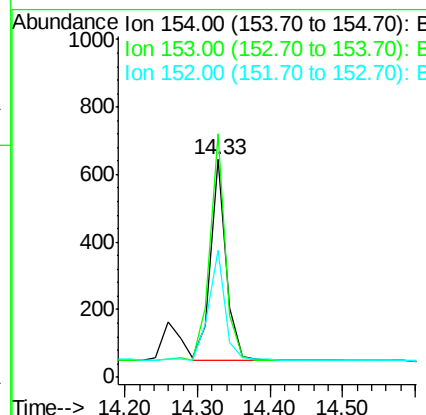
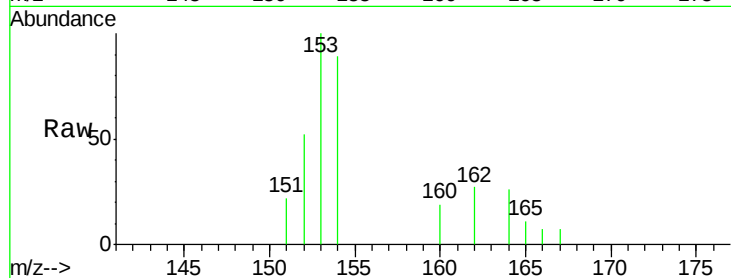
#11
Acenaphthene
Concen: 0.06 ng
RT: 14.33 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BM000795.D
Acq: 01 Apr 2015 21:44

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	87.3	130.9
152	58.3	43.0	64.6

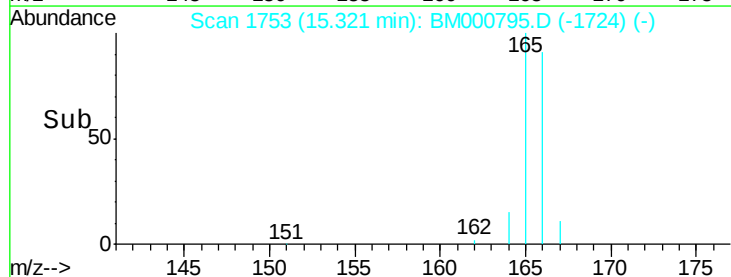
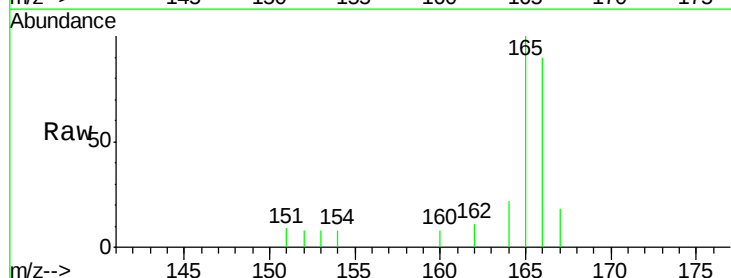
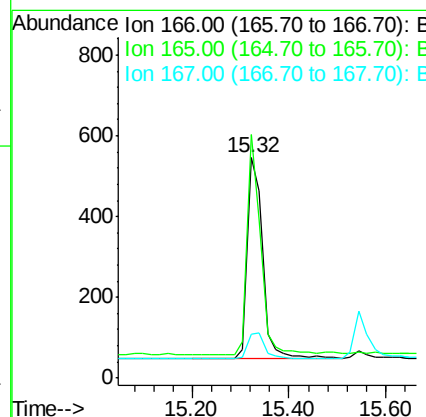
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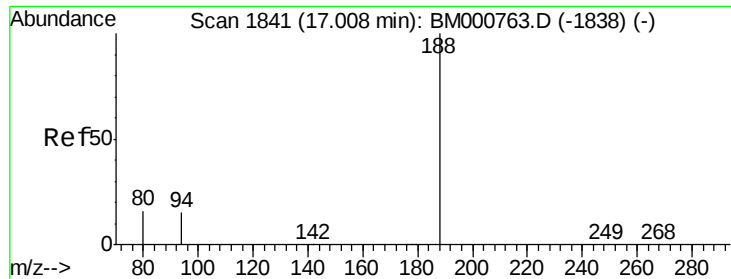
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#12
Fluorene
Concen: 0.06 ng
RT: 15.32 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BM000795.D
Acq: 01 Apr 2015 21:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.2	117.2
167	13.7	10.7	16.1





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BM000795.D

Acq: 01 Apr 2015 21:44

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:188 Resp: 110427
Ion Ratio Lower Upper

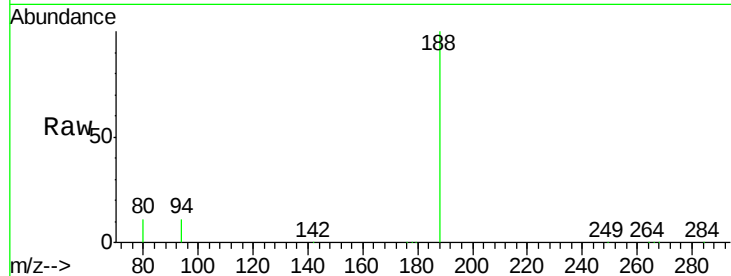
188 100

94 11.2 12.0 18.0#

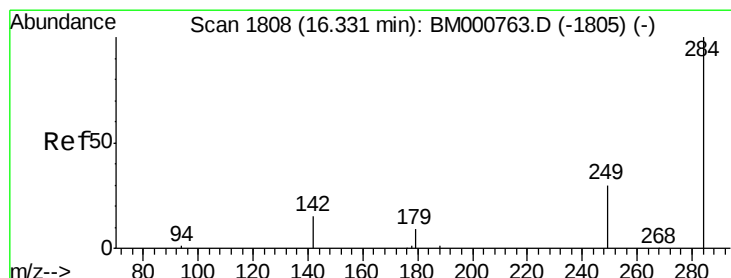
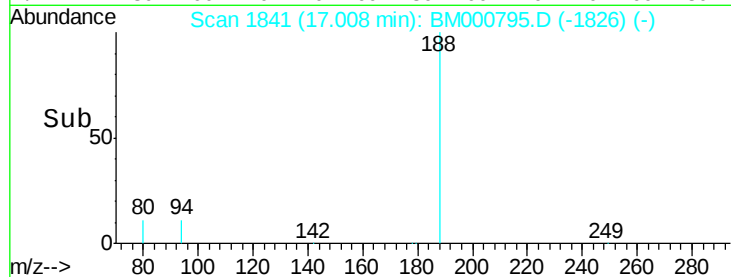
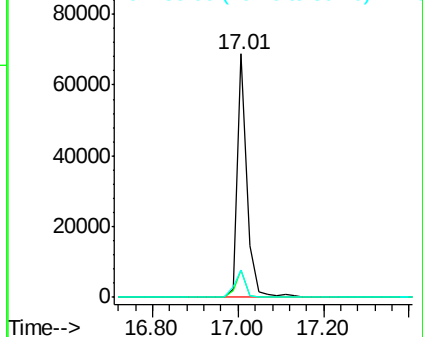
80 11.4 12.8 19.2#

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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



#14

Hexachlorobenzene

Concen: 0.07 ng

RT: 16.33 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BM000795.D

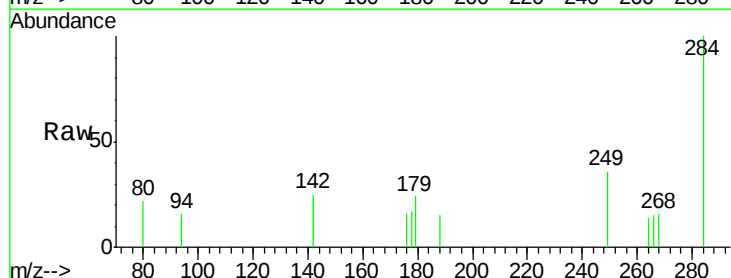
Acq: 01 Apr 2015 21:44

Tgt Ion:284 Resp: 435
Ion Ratio Lower Upper

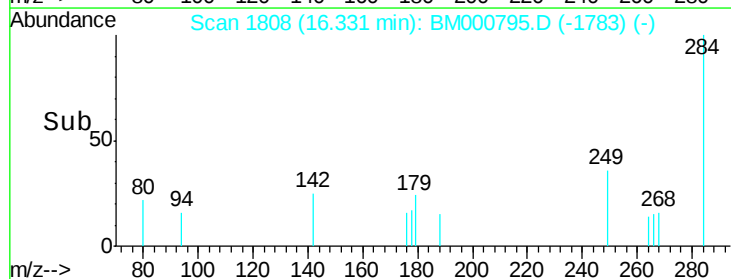
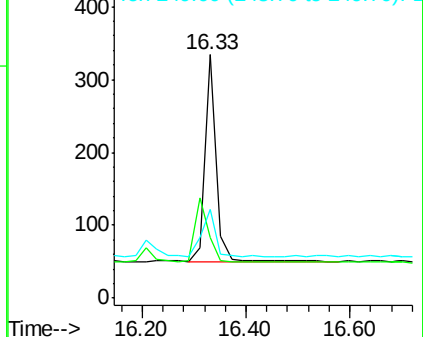
284 100

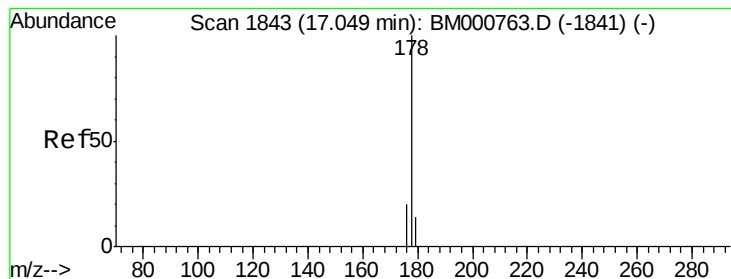
142 0.0 0.0 0.0

249 28.5 25.2 37.8



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#16

Phenanthrene

Concen: 0.06 ng m

RT: 17.05 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM000795.D

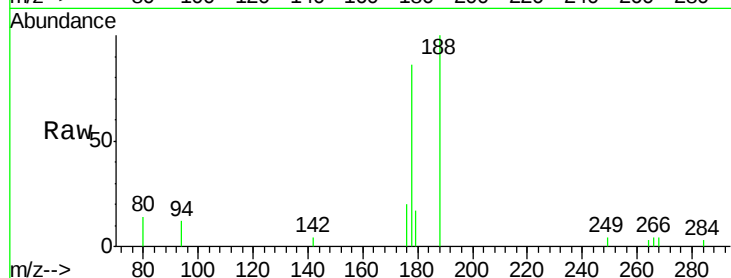
Acq: 01 Apr 2015 21:44

Instrument :

BNA_M

ClientSampleId :

LOD-SOIL2015-01



Tgt Ion:178 Resp: 1912

Ion Ratio Lower Upper

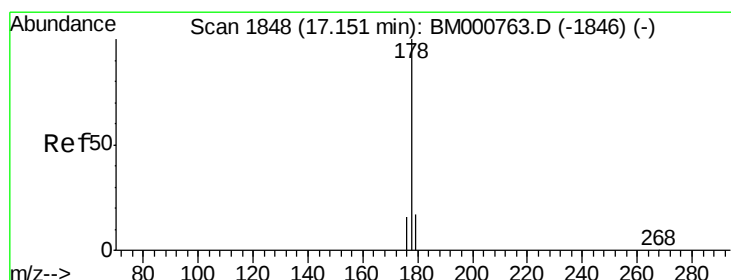
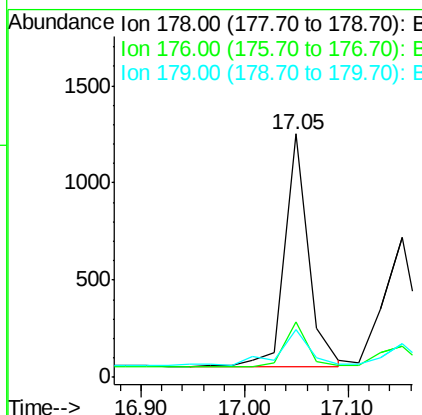
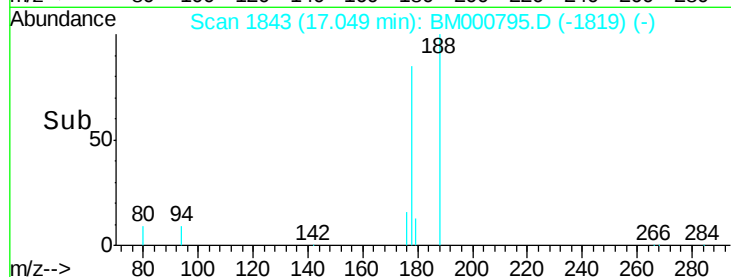
178 100

176 14.5 15.3 22.9#

179 11.8 12.2 18.2#

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#17

Anthracene

Concen: 0.06 ng

RT: 17.15 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BM000795.D

Acq: 01 Apr 2015 21:44

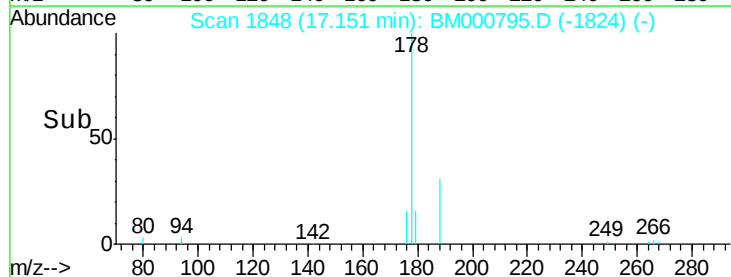
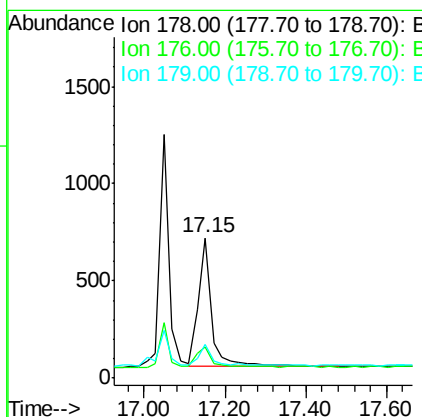
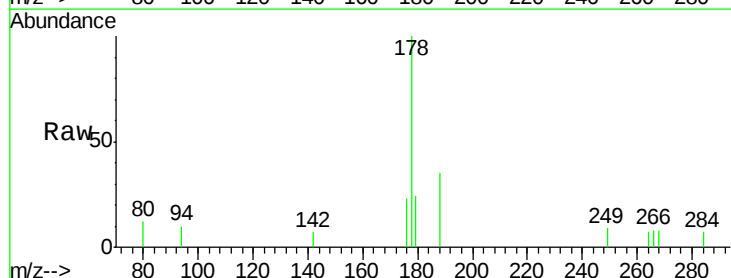
Tgt Ion:178 Resp: 1543

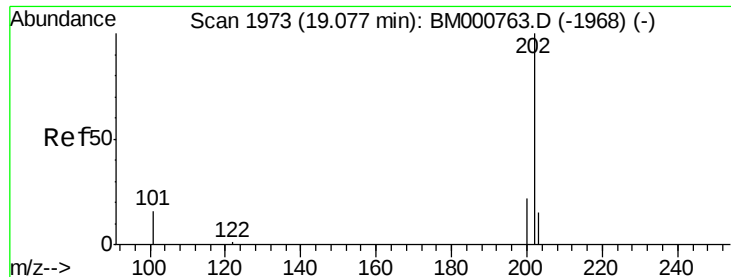
Ion Ratio Lower Upper

178 100

176 18.9 14.6 22.0

179 14.6 12.2 18.4





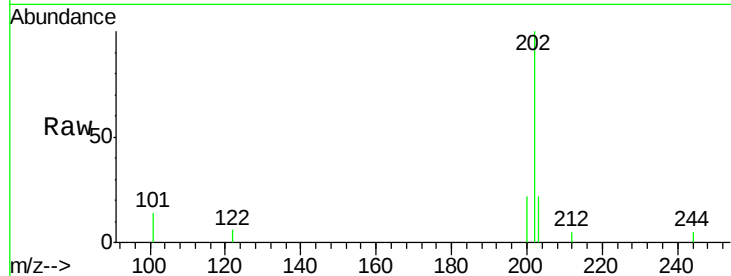
#18
 Fluoranthene
 Concen: 0.06 ng
 RT: 19.09 min Scan# 1974
 Delta R.T. 0.01 min
 Lab File: BM000795.D
 Acq: 01 Apr 2015 21:44

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01

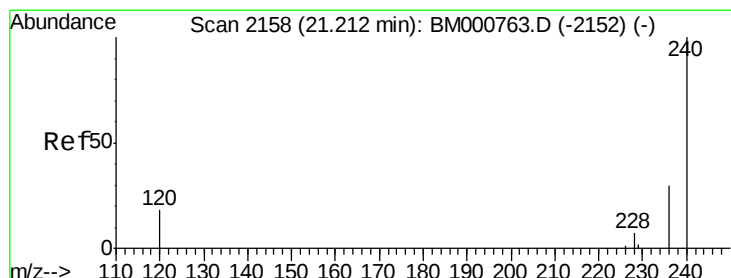
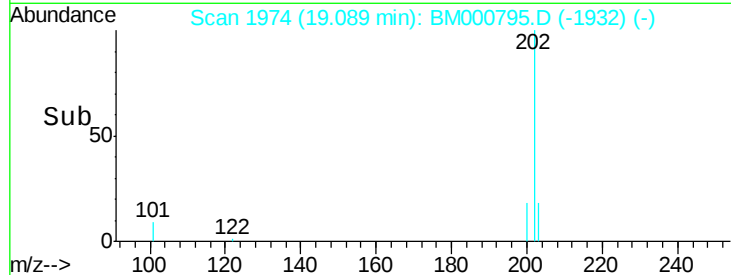
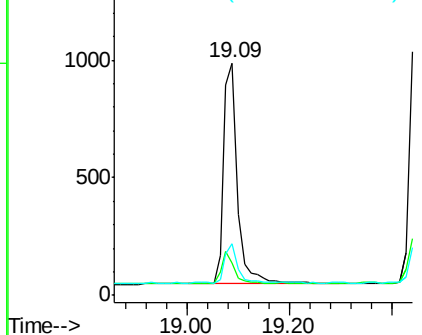
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1803		
101	12.9		10.5	15.7
203	17.6		13.8	20.8

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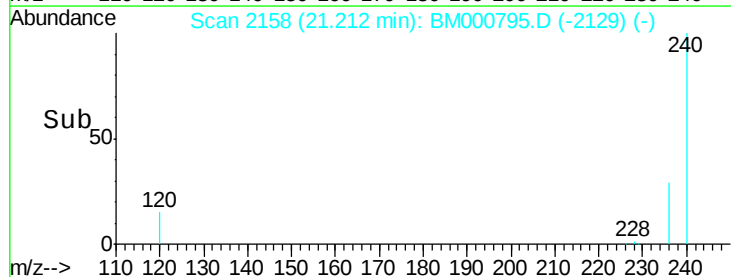
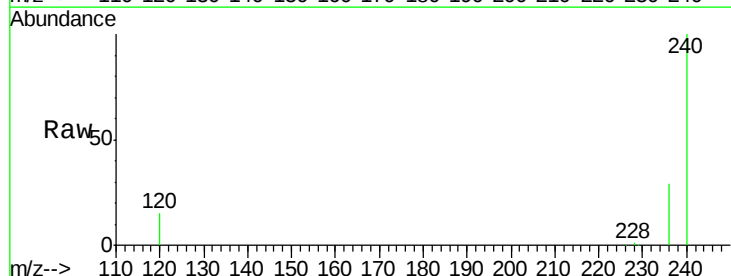
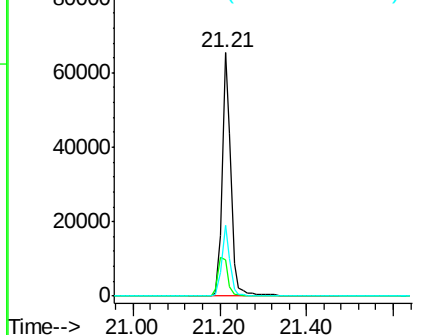
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

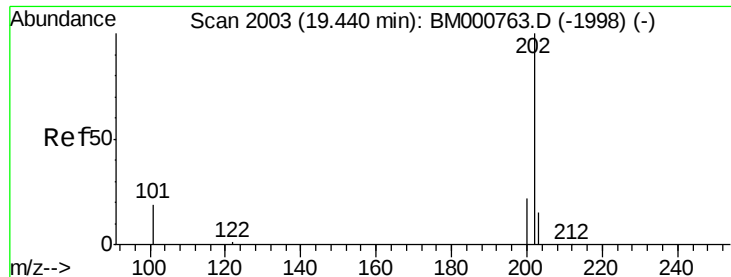


#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BM000795.D
 Acq: 01 Apr 2015 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	89867		
120	15.2		14.9	22.3
236	28.9		24.2	36.4

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





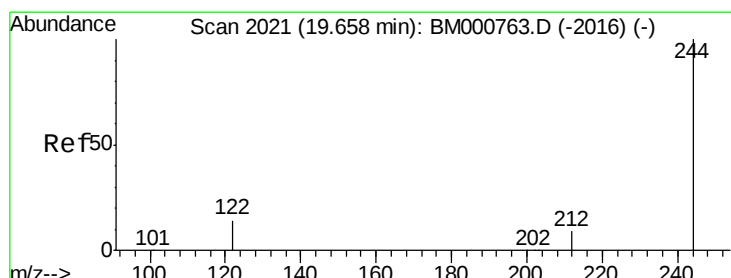
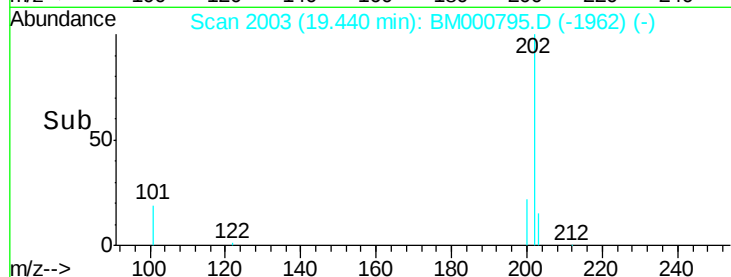
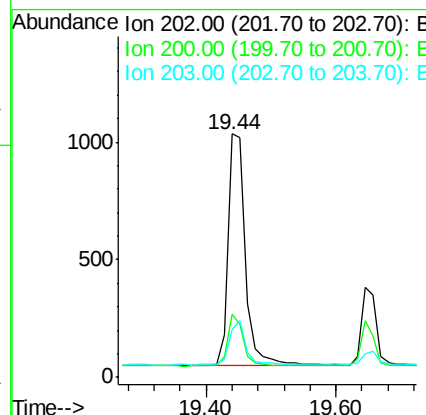
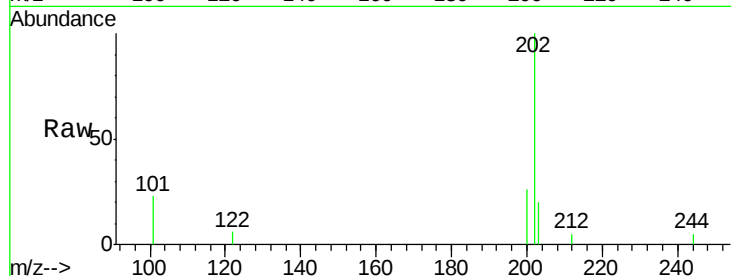
#20
Pyrene
Concen: 0.06 ng
RT: 19.44 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BM000795.D
Acq: 01 Apr 2015 21:44

Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1869		
200	20.7	16.2	24.2	
203	18.4	13.9	20.9	

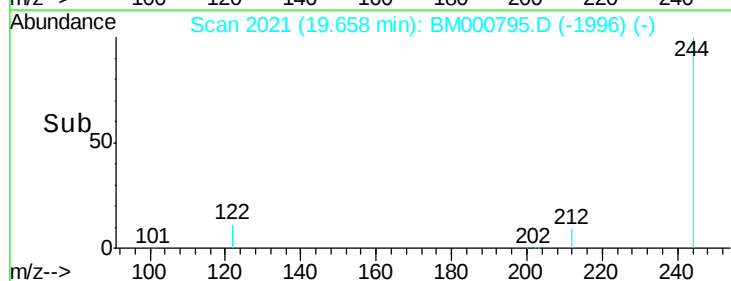
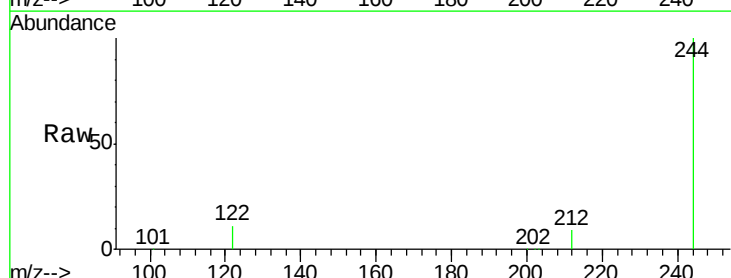
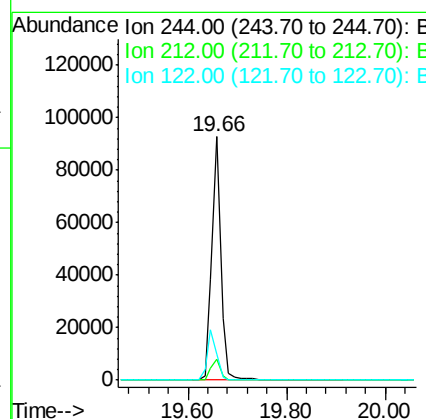
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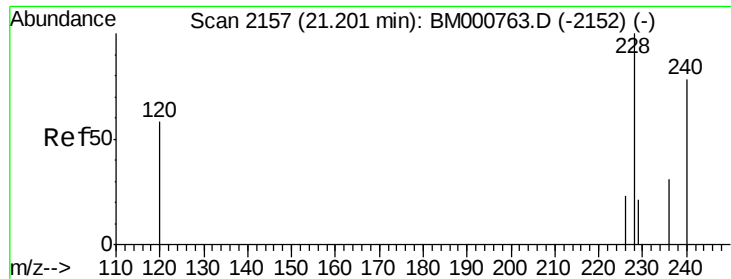
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#21
Terphenyl-d14
Concen: 10.96 ng
RT: 19.66 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BM000795.D
Acq: 01 Apr 2015 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	118498		
212	8.8	7.8	11.6	
122	10.6	11.8	17.8#	





#22

Benzo(a)anthracene

Concen: 0.07 ng

RT: 21.19 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BM000795.D

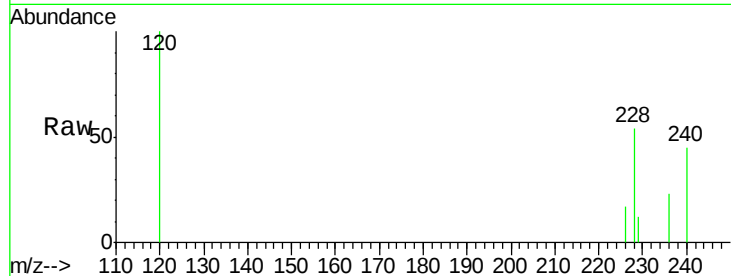
Acq: 01 Apr 2015 21:44

Instrument :

BNA_M

ClientSampleId :

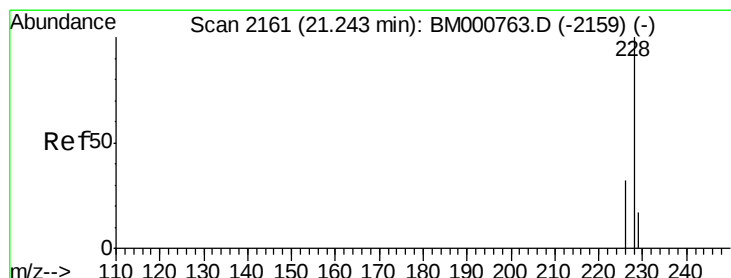
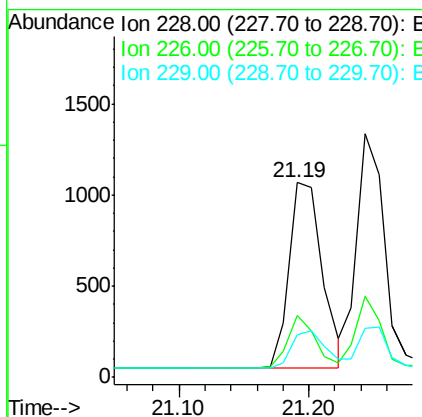
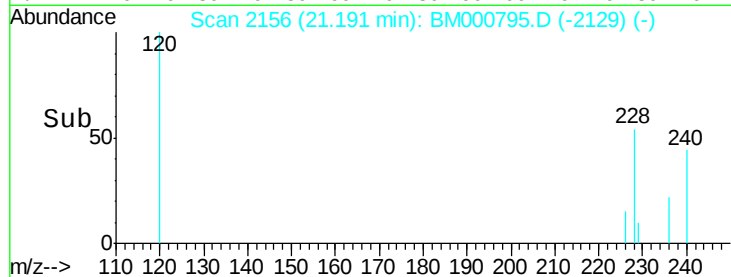
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Tgt Ion:	228	Resp:	1810
Ion Ratio	Lower	Upper	
228	100		
226	31.5	18.6	27.8#
229	21.6	17.2	25.8

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#23

Chrysene

Concen: 0.07 ng

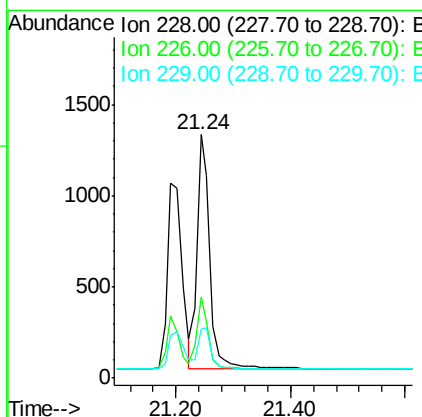
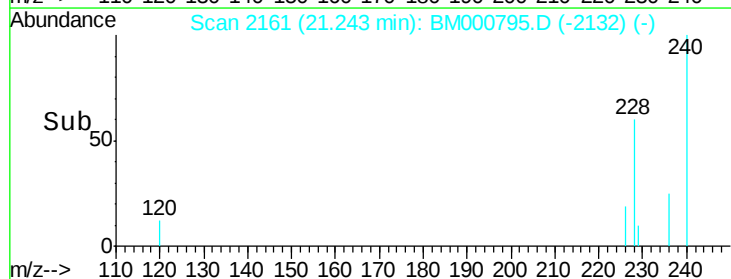
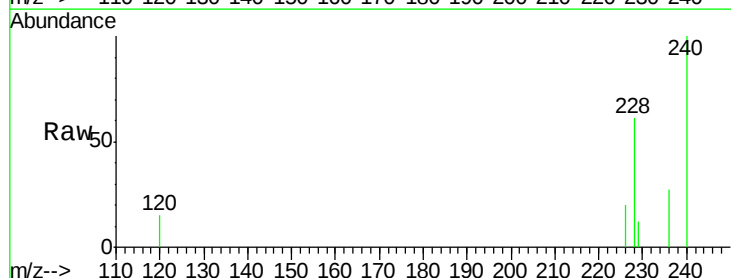
RT: 21.24 min Scan# 2161

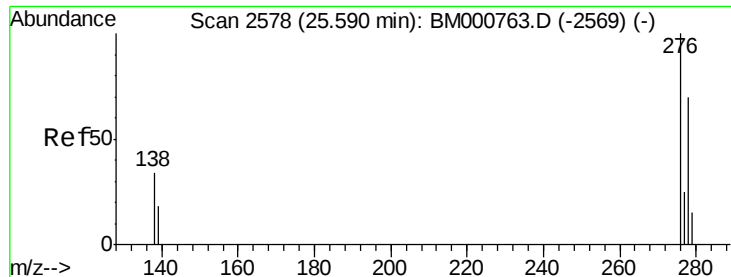
Delta R.T. 0.00 min

Lab File: BM000795.D

Acq: 01 Apr 2015 21:44

Tgt Ion:	228	Resp:	2002
Ion Ratio	Lower	Upper	
228	100		
226	33.5	25.8	38.8
229	20.3	13.8	20.6





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 25.59 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BM000795.D

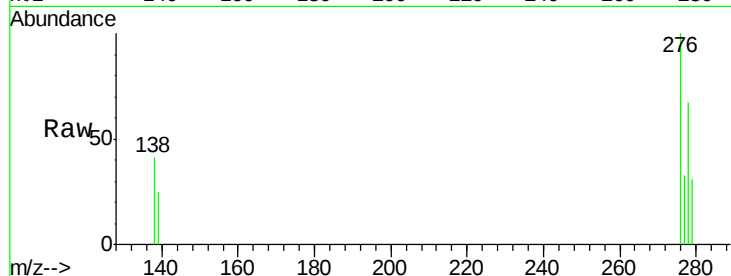
Acq: 01 Apr 2015 21:44

Instrument :

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ClientSampleId :

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Tgt Ion: 276 Resp: 1771

Ion Ratio Lower Upper

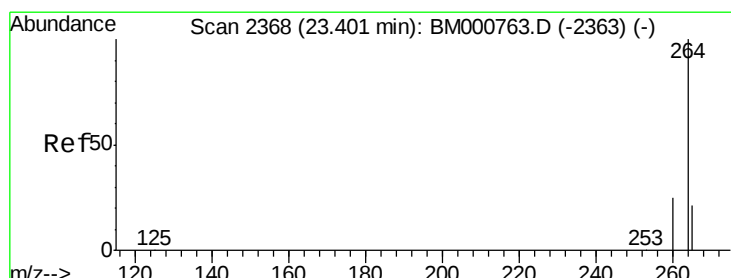
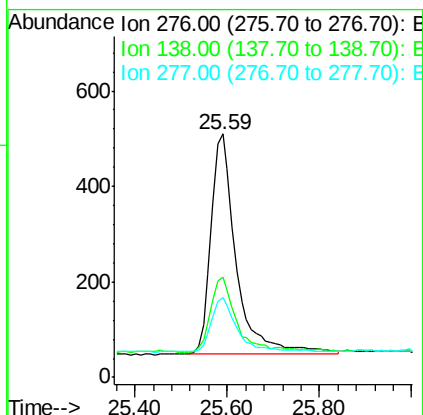
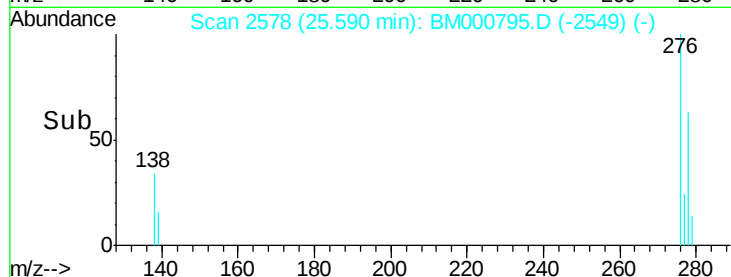
276 100

138 36.1 27.4 41.2

277 24.7 19.7 29.5

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#25

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 2368

Delta R.T. 0.00 min

Lab File: BM000795.D

Acq: 01 Apr 2015 21:44

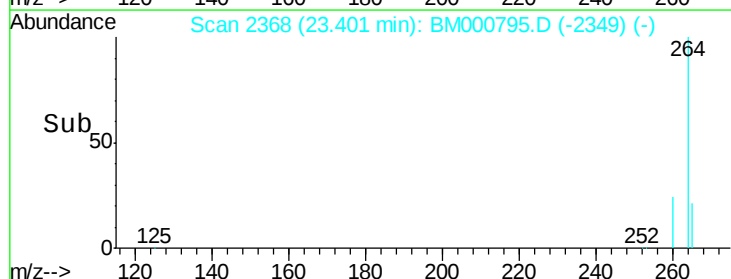
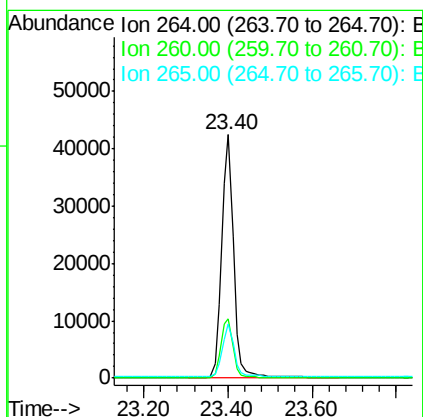
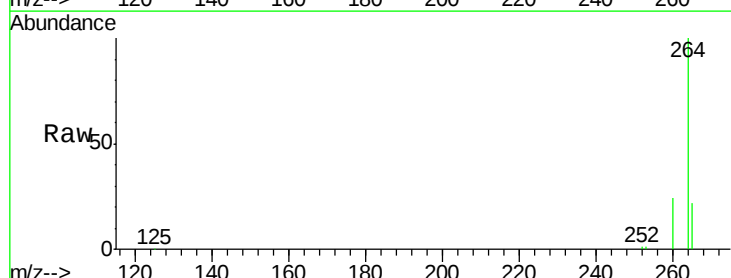
Tgt Ion: 264 Resp: 82949

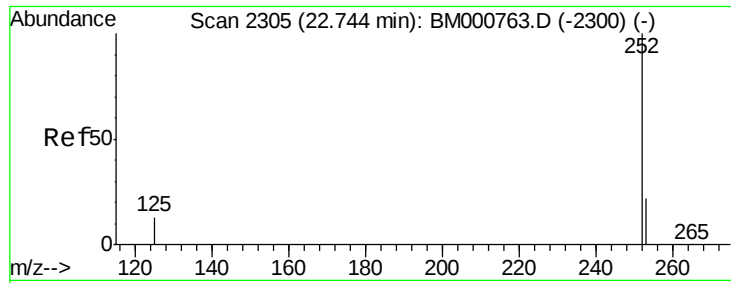
Ion Ratio Lower Upper

264 100

260 24.5 20.1 30.1

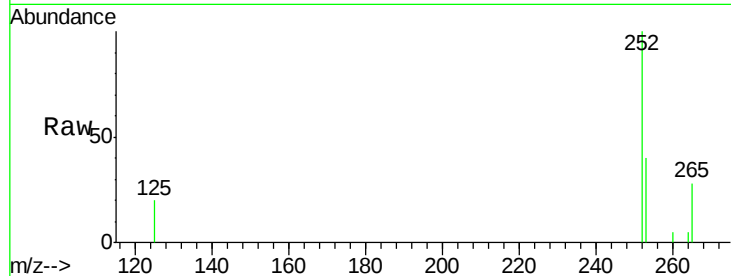
265 22.1 17.4 26.0





#26
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 22.74 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BM000795.D
Acq: 01 Apr 2015 21:44

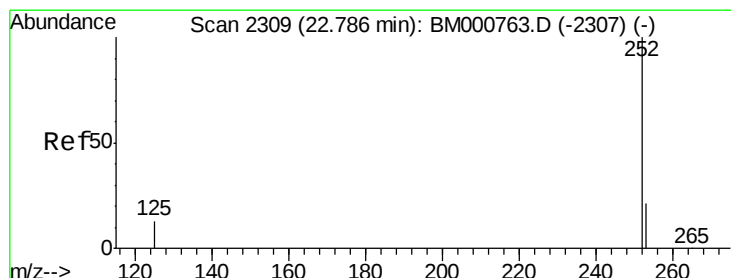
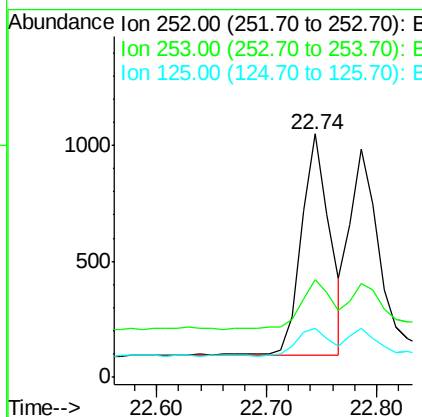
Instrument :
BNA_M
ClientSampleId :
LOD-SOIL2015-01



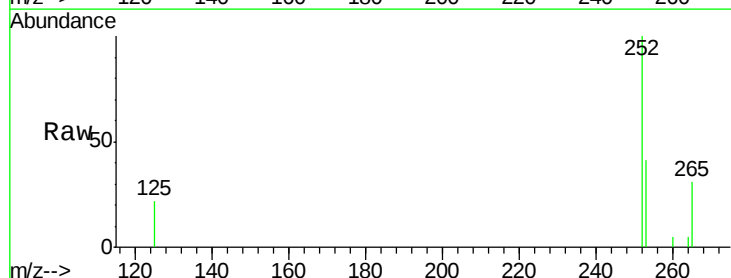
Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.0	18.5	27.7#
125	20.1	10.6	16.0#

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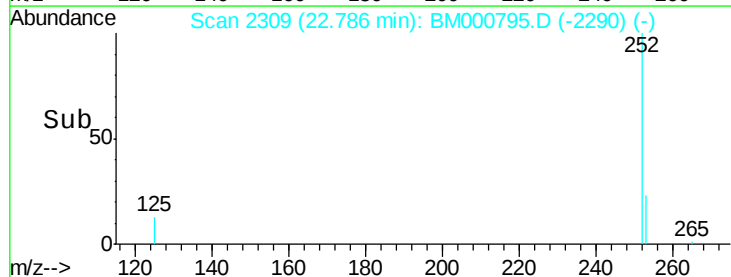
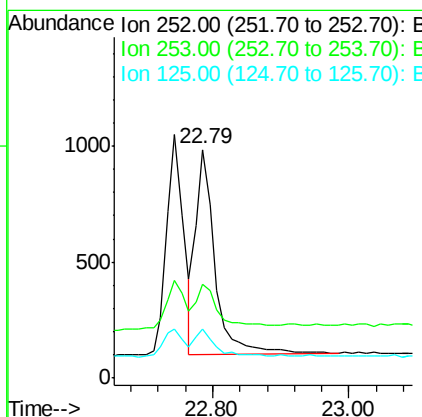
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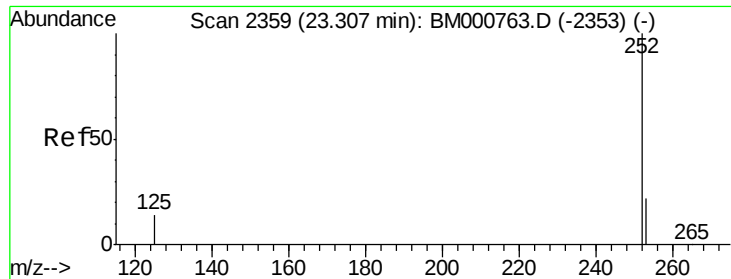


#27
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 22.79 min Scan# 2309
Delta R.T. 0.00 min
Lab File: BM000795.D
Acq: 01 Apr 2015 21:44



Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.3	17.9	26.9#
125	21.5	10.8	16.2#





#28

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000795.D

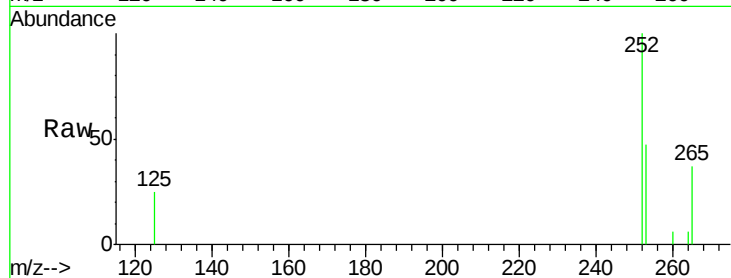
Acq: 01 Apr 2015 21:44

Instrument :

BNA_M

ClientSampleId :

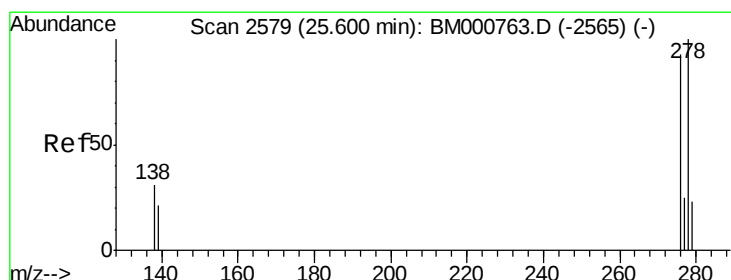
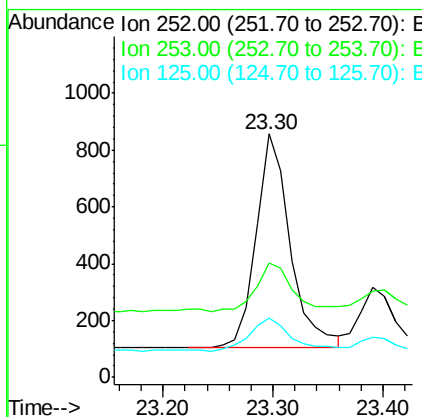
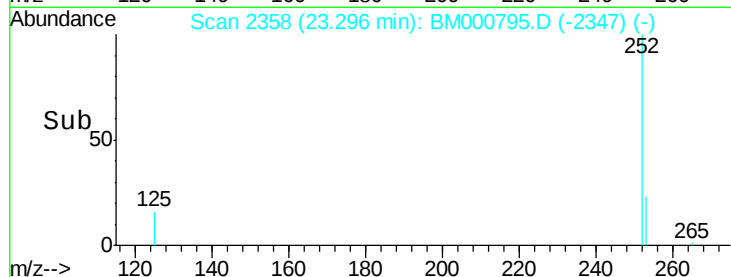
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Tgt Ion:	252	Resp:	1615
Ion Ratio	Lower	Upper	
252	100		
253	47.0	19.4	29.2#
125	24.5	11.5	17.3#

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#29

Dibenzo(a,h)anthracene

Concen: 0.07 ng

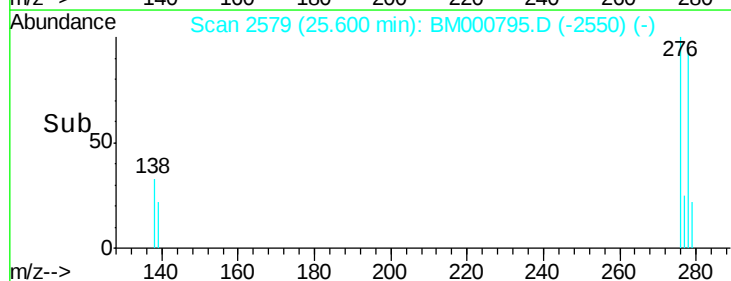
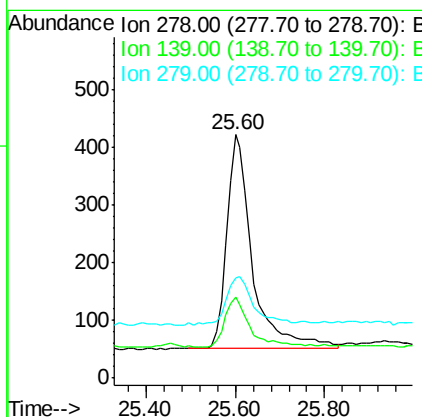
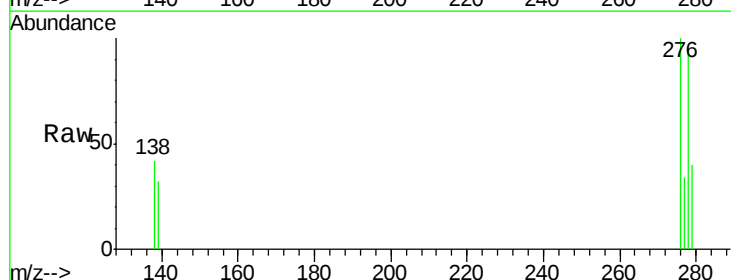
RT: 25.60 min Scan# 2579

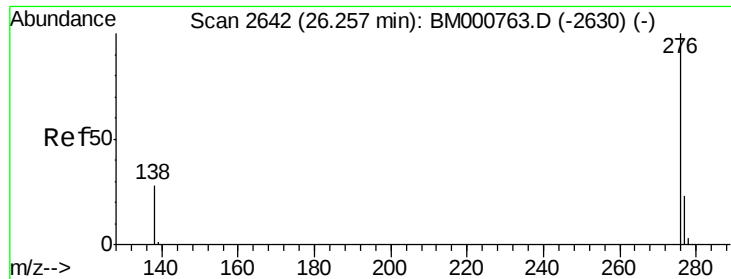
Delta R.T. 0.00 min

Lab File: BM000795.D

Acq: 01 Apr 2015 21:44

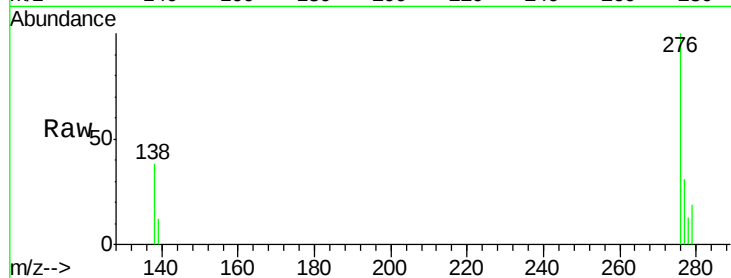
Tgt Ion:	278	Resp:	1465
Ion Ratio	Lower	Upper	
278	100		
139	33.4	17.8	26.6#
279	41.2	19.3	28.9#





#30
 Benzo(g,h,i)perylene
 Concen: 0.07 ng
 RT: 26.25 min Scan# 2641
 Delta R.T. -0.01 min
 Lab File: BM000795.D
 Acq: 01 Apr 2015 21:44

Instrument :
 BNA_M
 ClientSampleId :
 LOD-SOIL2015-01



Tgt	Ion	276	Resp:	1660
Ion	Ratio	Lower	Upper	
276	100			
277	31.1	19.1	28.7#	
138	37.9	23.1	34.7#	

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