

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050515\
 Data File : BM001222.D
 Acq On : 06 May 2015 11:37
 Operator : TP/IZ
 Sample : G2078-26DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-PAH-SOILD

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Quant Time: May 06 13:15:52 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 12:46:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	14416	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	58019	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	35249	5.00	ng	0.00
18) Phenanthrene-d10	16.95	188	54414	5.00	ng	0.00
24) Chrysene-d12	21.14	240	75009	5.00	ng	0.00
30) Perylene-d12	23.29	264	67672	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.11	112	14016	4.65	ng	0.00
5) Phenol-d6	6.71	99	20128	5.25	ng	-0.02
7) Nitrobenzene-d5	8.68	82	11297	3.44	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	10398	4.23	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	41264	3.83	ng	-0.01
26) Terphenyl-d14	19.59	244	38841	3.62	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.35	128	37898	3.00	ng	99
11) 2-Methylnaphthalene	11.98	142	30730	3.46	ng	98
15) Acenaphthylene	13.90	152	23267	1.53	ng	99
16) Acenaphthene	14.25	154	24374	2.55	ng	98
17) Fluorene	15.23	166	31465	2.03	ng	98
21) Phenanthrene	16.98	178	115095	4.39	ng	98
22) Anthracene	17.07	178	151631	6.77	ng	100
23) Fluoranthene	19.01	202	89703	4.18	ng	99
25) Pyrene	19.37	202	69667	2.91	ng	99
27) Benzo(a)anthracene	21.12	228	76810	3.59	ng	99
28) Chrysene	21.17	228	64279	3.11	ng	100
29) Indeno(1,2,3-cd)pyrene	25.43	276	15096	0.92	ng	97
31) Benzo(b)fluoranthene	22.64	252	67535m	3.12	ng	
32) Benzo(k)fluoranthene	22.68	252	12781m	0.64	ng	
33) Benzo(a)pyrene	23.19	252	8883	0.50	ng	94
34) Dibenzo(a,h)anthracene	25.44	278	7324	0.50	ng	96
35) Benzo(g,h,i)perylene	26.07	276	31437	2.08	ng	100

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

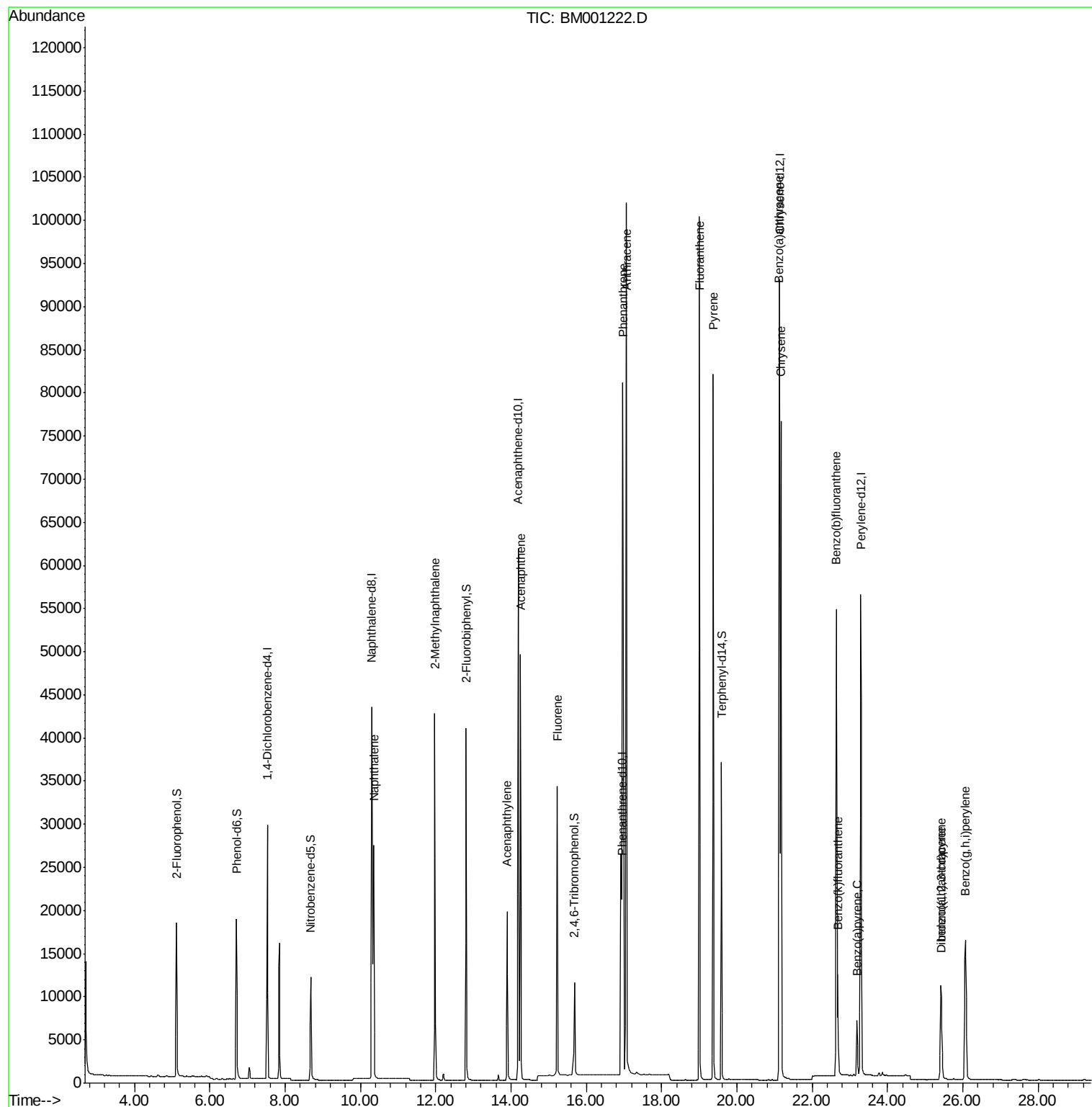
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050515\
Data File : BM001222.D
Acq On : 06 May 2015 11:37
Operator : TP/IZ
Sample : G2078-26DL 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

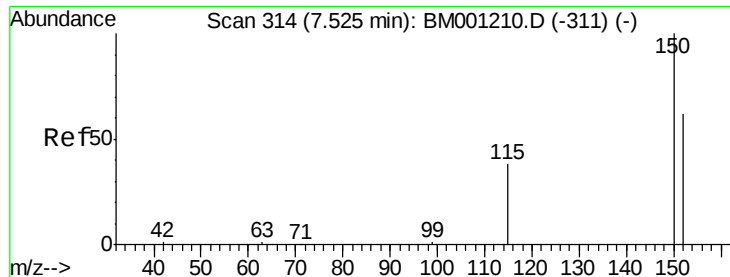
Instrument :
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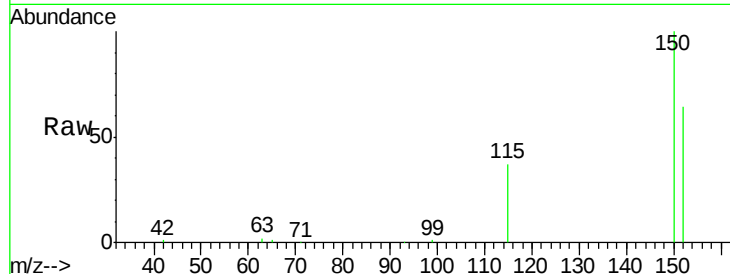




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.53 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

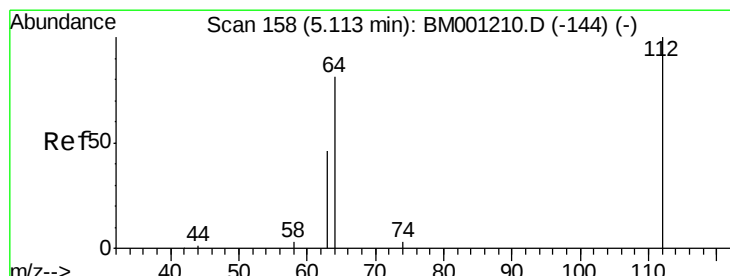
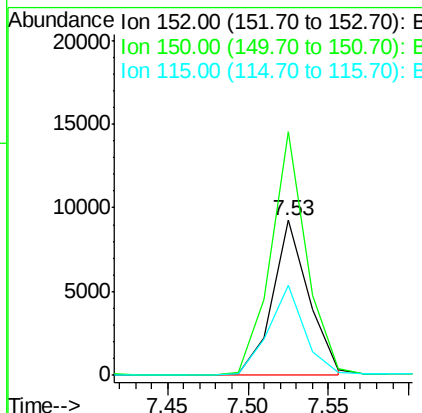
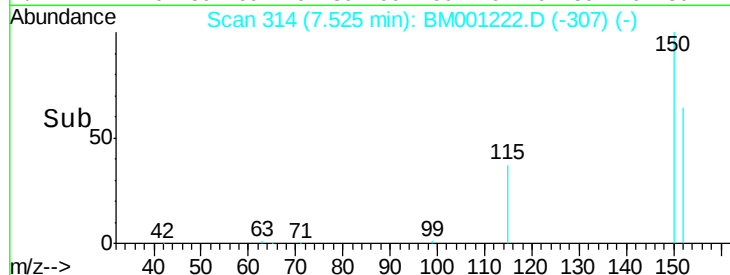
Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOILDL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.0	183.0
115	58.5	46.3	69.5

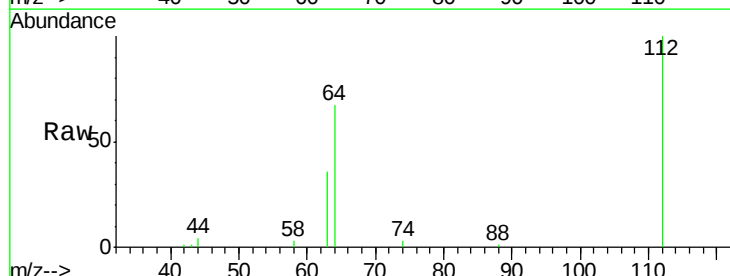
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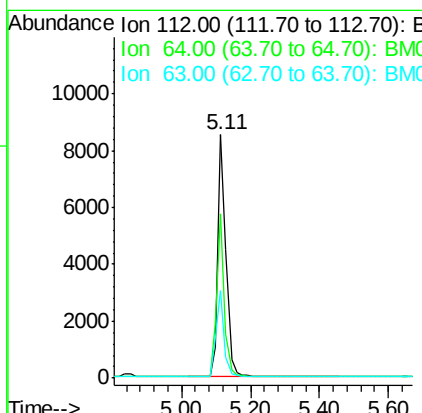
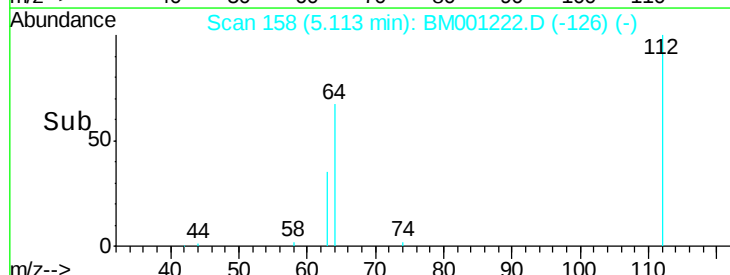


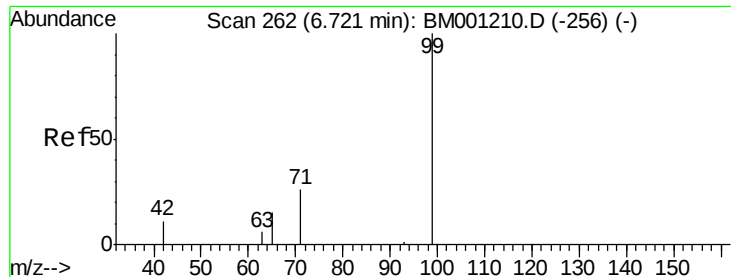
#4

2-Fluorophenol
Concen: 4.65 ng
RT: 5.11 min Scan# 158
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37



Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	51.0	76.4
63	35.4	28.8	43.2





#5

Phenol-d6

Concen: 5.25 ng

RT: 6.71 min Scan# 261

Delta R.T. -0.02 min

Lab File: BM001222.D

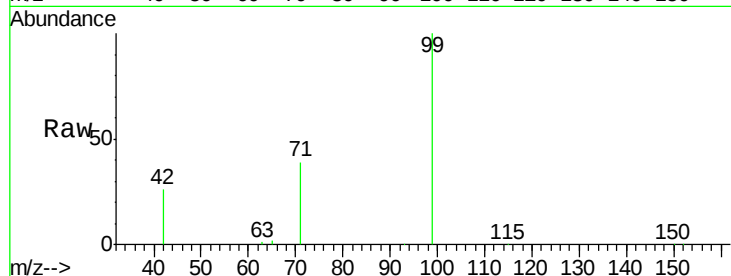
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Instrument :

BNA_M

ClientSampleId :

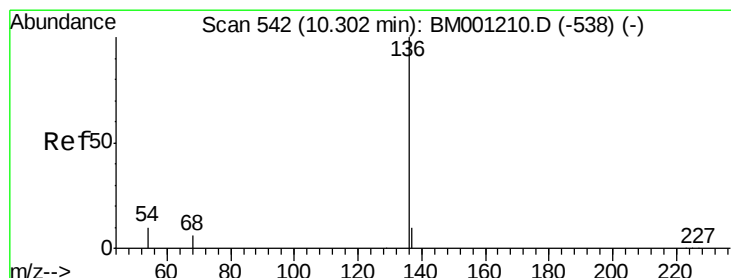
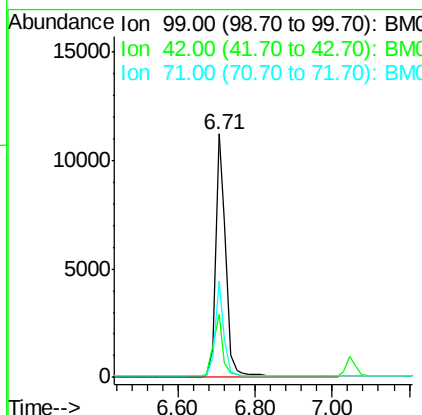
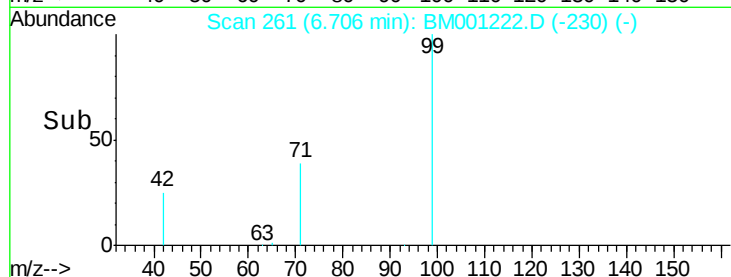
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Tgt Ion:	99	Resp:	20128
Ion Ratio	Lower	Upper	
99	100		
42	23.6	19.9	29.9
71	34.6	27.8	41.6

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#6

Naphthalene-d8

Concen: 5.00 ng

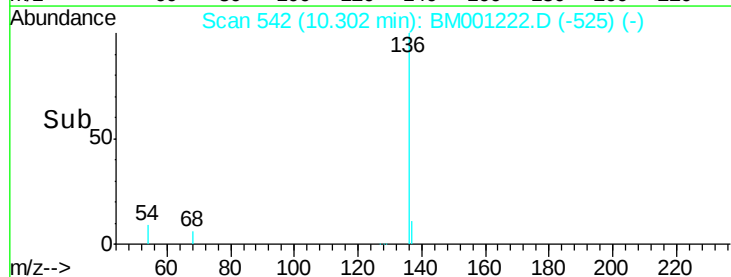
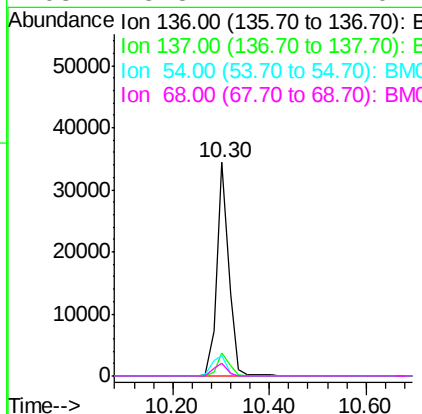
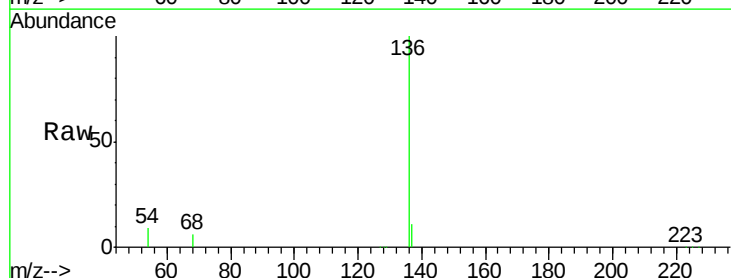
RT: 10.30 min Scan# 542

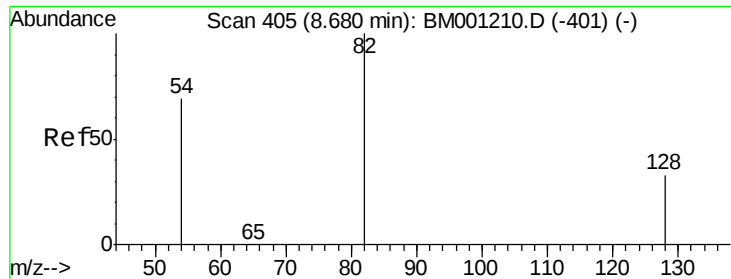
Delta R.T. 0.00 min

Lab File: BM001222.D

Acq: 06 May 2015 11:37

Tgt Ion:	136	Resp:	58019
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.4	12.6
54	9.5	8.3	12.5
68	5.8	4.2	6.4





#7

Nitrobenzene-d5

Concen: 3.44 ng

RT: 8.68 min Scan# 405

Delta R.T. 0.00 min

Lab File: BM001222.D

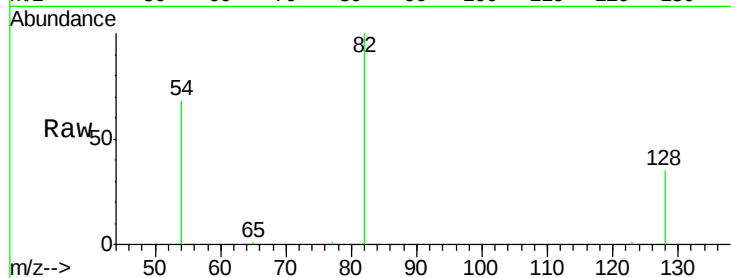
Acq: 06 May 2015 11:37

Instrument :

BNA_M

ClientSampleId :

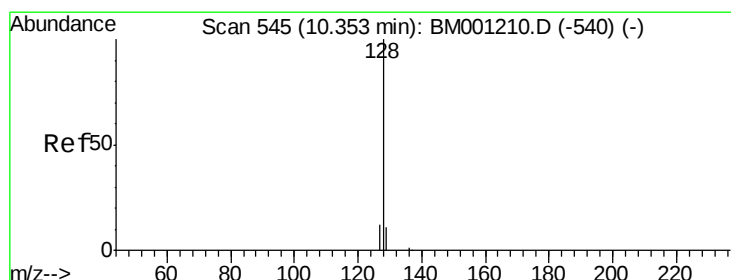
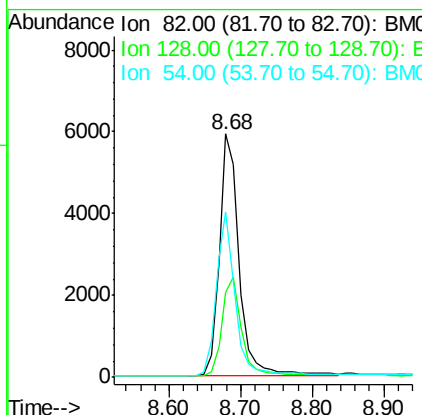
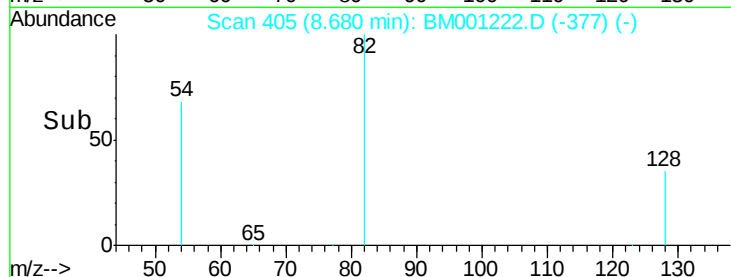
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Tgt Ion:	82	Resp:	11297
Ion Ratio	Lower	Upper	
82	100		
128	35.1	27.8	41.6
54	68.1	56.0	84.0

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#9

Naphthalene

Concen: 3.00 ng

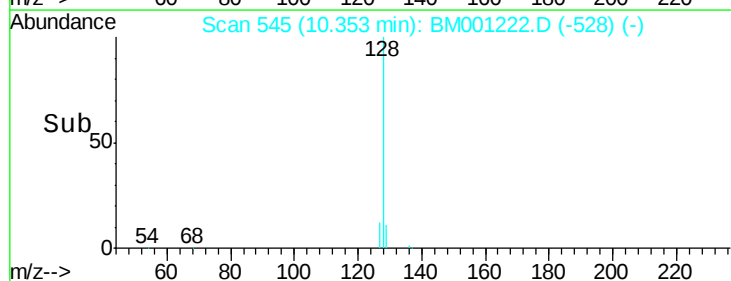
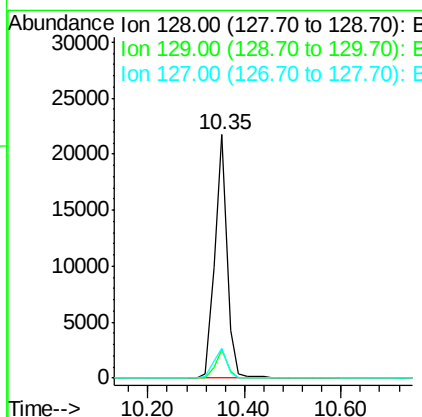
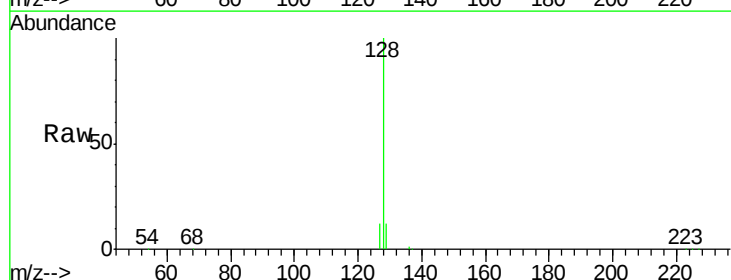
RT: 10.35 min Scan# 545

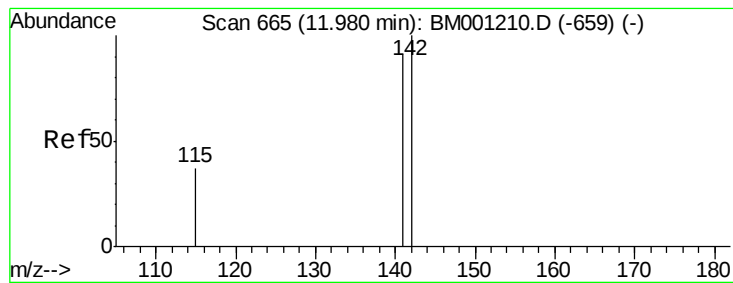
Delta R.T. 0.00 min

Lab File: BM001222.D

Acq: 06 May 2015 11:37

Tgt Ion:	128	Resp:	37898
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.2	13.8
127	12.1	10.2	15.4





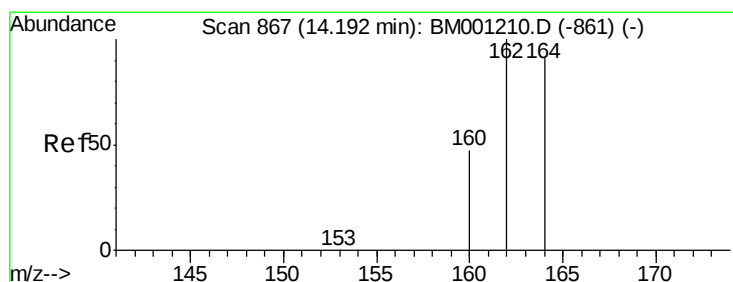
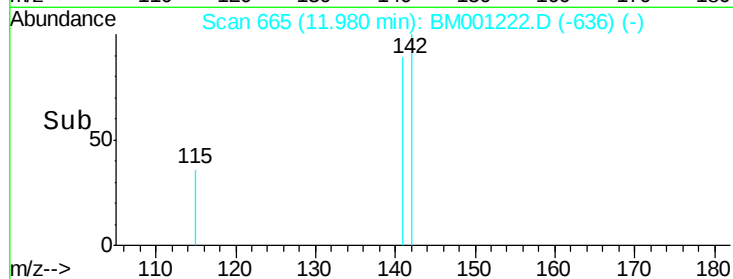
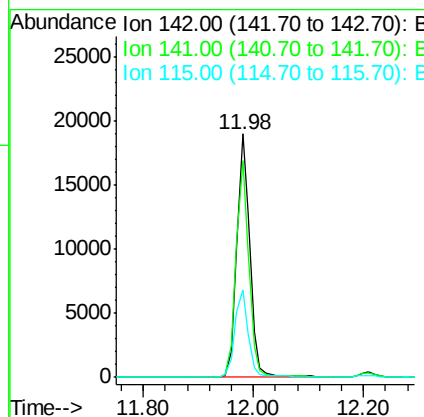
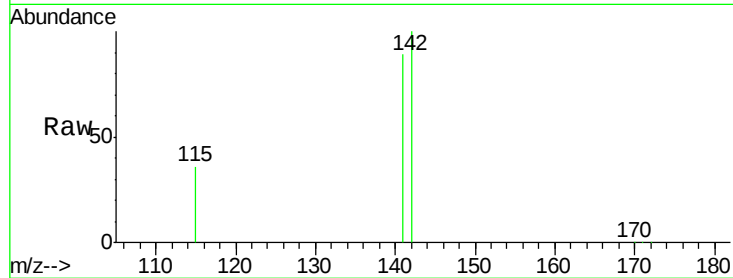
#11
2-Methylnaphthalene
Concen: 3.46 ng
RT: 11.98 min Scan# 665
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:142 Resp: 30730
Ion Ratio Lower Upper
142 100
141 89.0 72.5 108.7
115 36.1 30.3 45.5

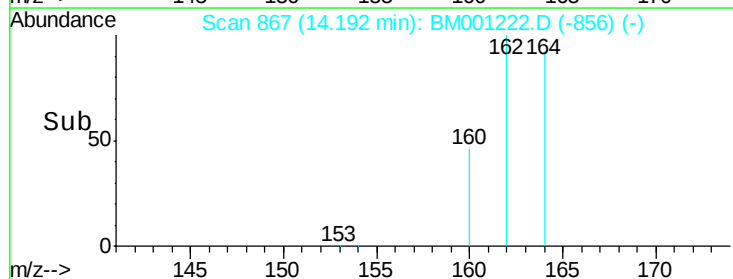
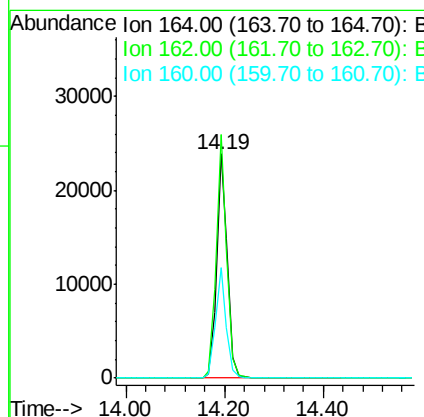
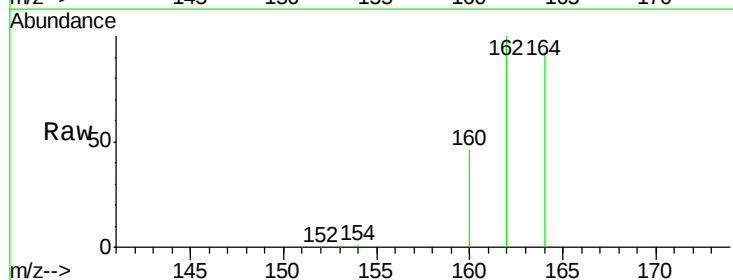
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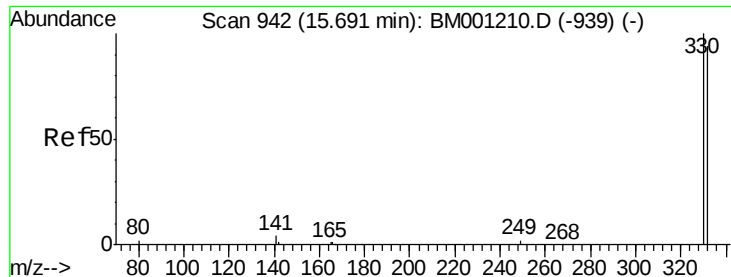
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 867
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

Tgt Ion:164 Resp: 35249
Ion Ratio Lower Upper
164 100
162 108.6 82.7 124.1
160 49.6 35.8 53.8





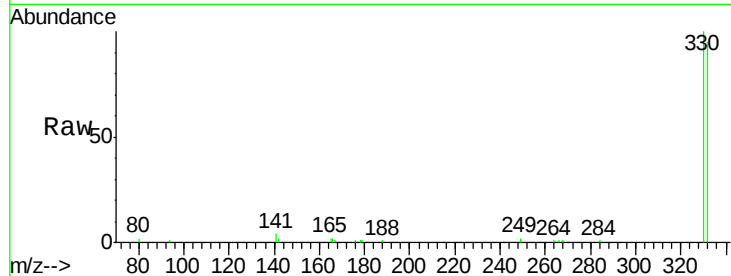
#13
 2,4,6-Tribromophenol
 Concen: 4.23 ng
 RT: 15.69 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BM001222.D
 Acq: 06 May 2015 11:37

Instrument :
 BNA_M
 ClientSampleId :
 PT-PAH-SOILDL

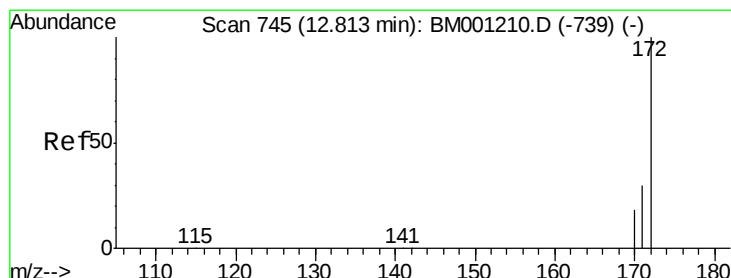
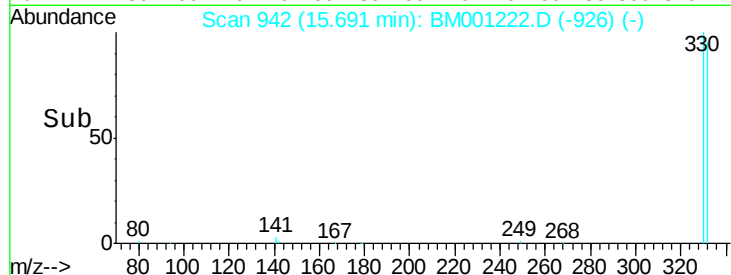
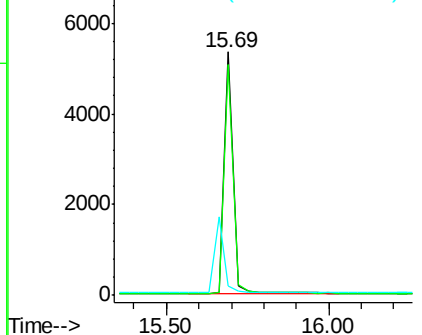
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	10398		
332	95.1	75.4	113.2	
141	0.0	0.0	0.0	

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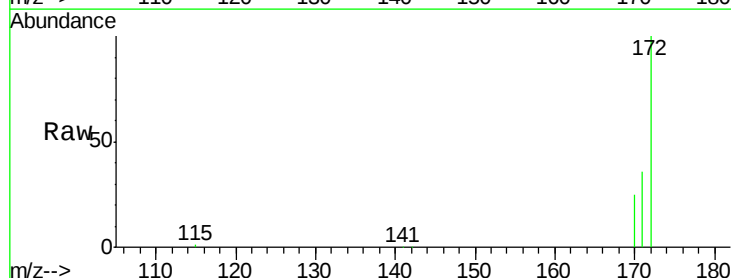


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

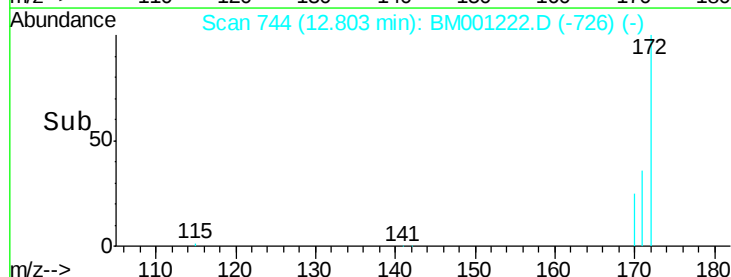
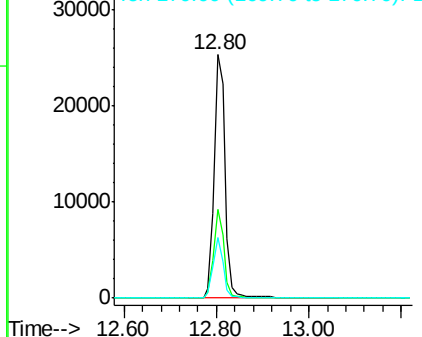


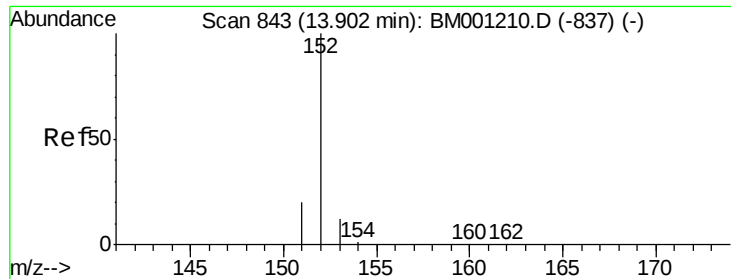
#14
 2-Fluorobiphenyl
 Concen: 3.83 ng
 RT: 12.80 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BM001222.D
 Acq: 06 May 2015 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	41264		
171	36.2	24.6	37.0	
170	25.0	14.5	21.7	



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





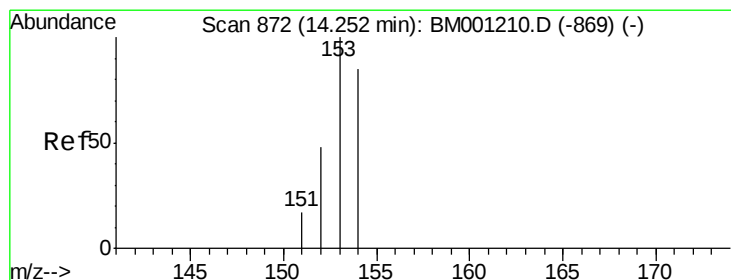
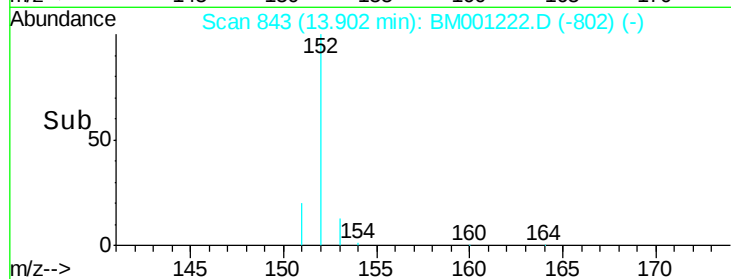
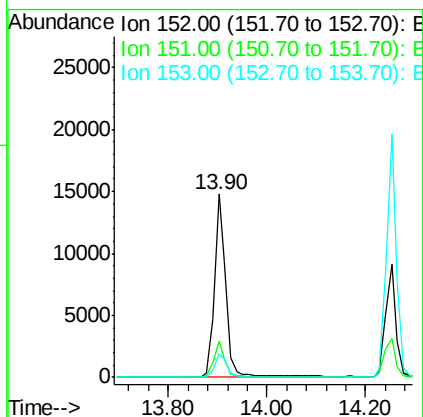
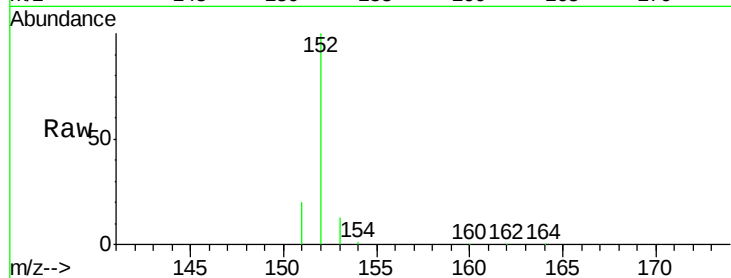
#15
Acenaphthylene
Concen: 1.53 ng
RT: 13.90 min Scan# 843
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

Instrument :
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ClientSampleId :
PT-PAH-SOILDL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.0	22.6
153	13.2	10.3	15.5

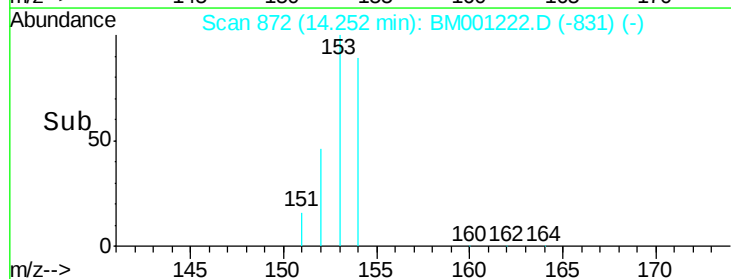
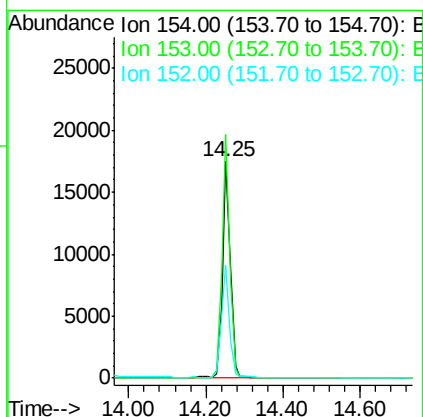
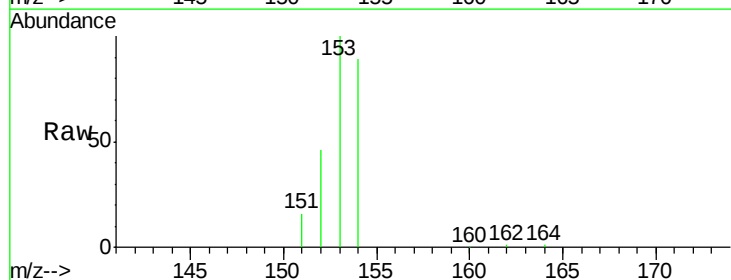
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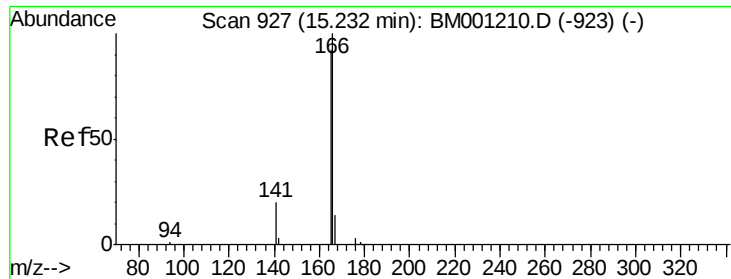
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#16
Acenaphthene
Concen: 2.55 ng
RT: 14.25 min Scan# 872
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

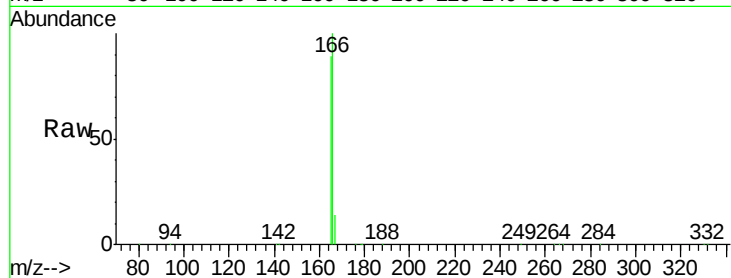
Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.2	91.0	136.6
152	53.3	43.4	65.0





#17
Fluorene
 Concen: 2.03 ng
 RT: 15.23 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BM001222.D
 Acq: 06 May 2015 11:37

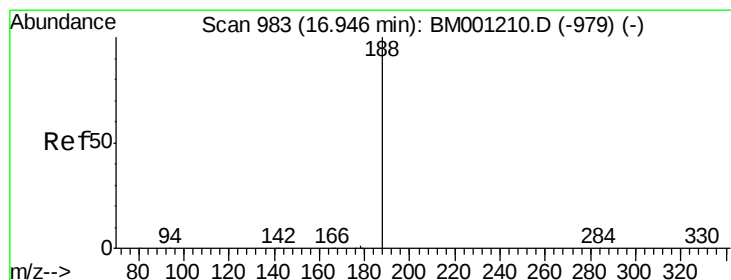
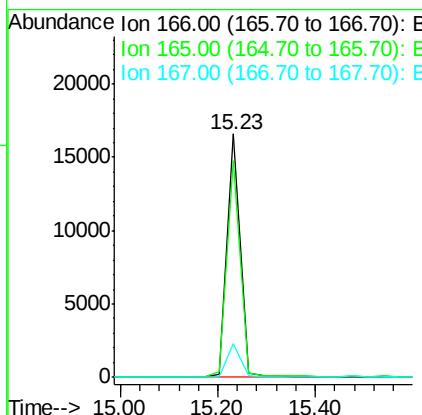
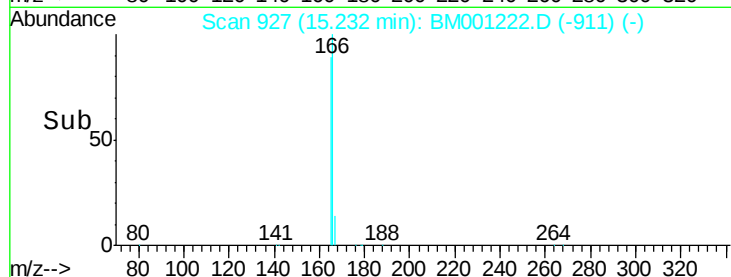
Instrument :
 BNA_M
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 PT-PAH-SOILD



Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.1	74.2	111.2
167	13.5	10.8	16.2

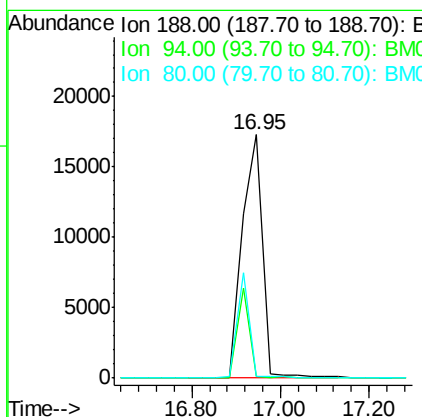
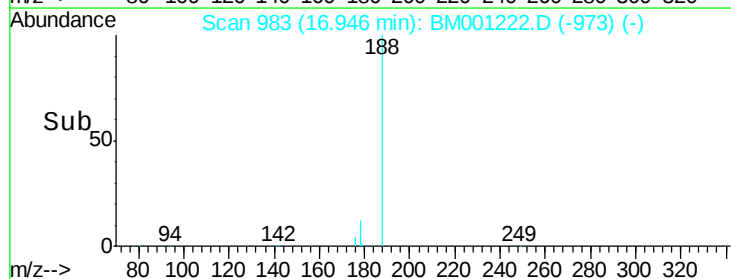
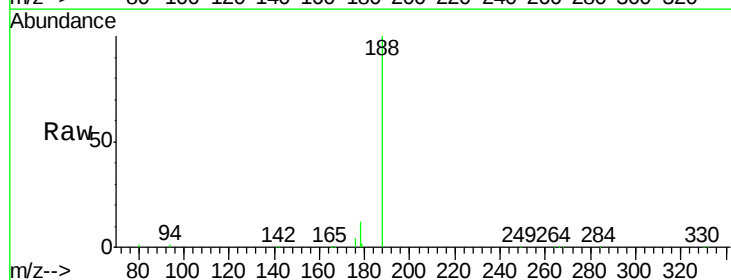
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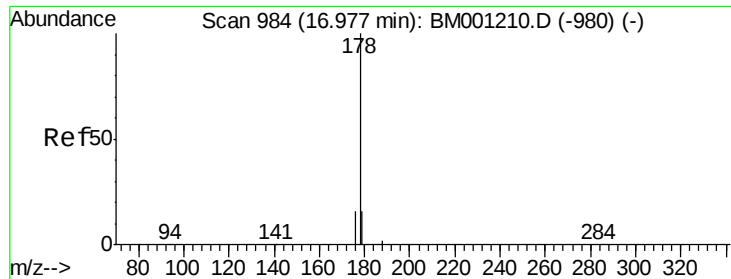
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.95 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: BM001222.D
 Acq: 06 May 2015 11:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.7	8.2	12.2#
80	0.7	8.9	13.3#





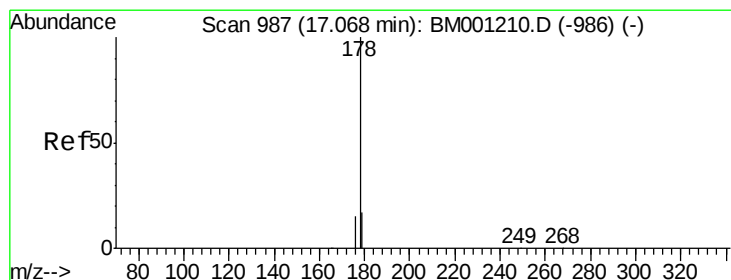
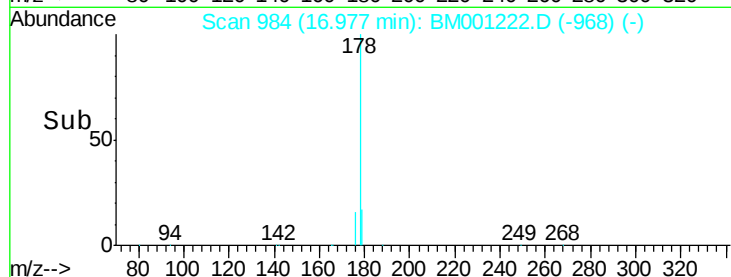
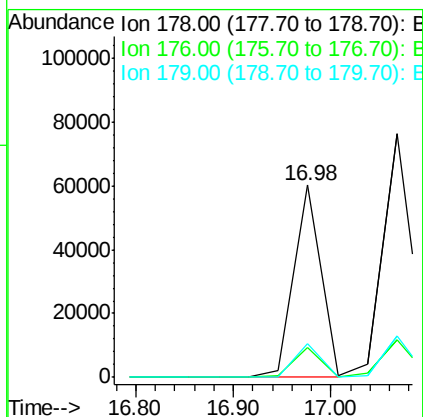
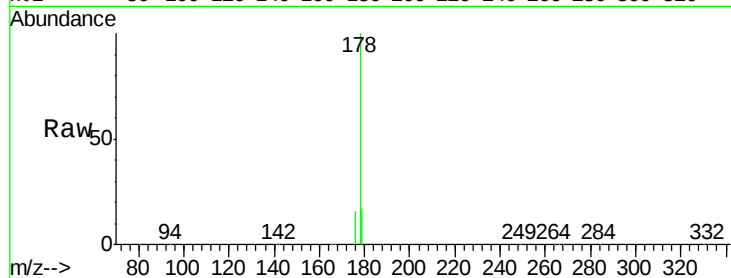
#21
Phenanthrene
Concen: 4.39 ng
RT: 16.98 min Scan# 984
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.2	13.8	20.6
179	16.9	13.1	19.7

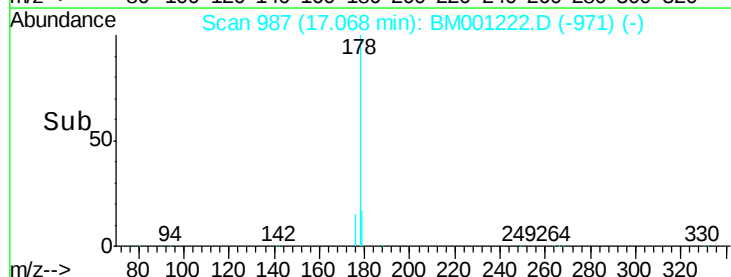
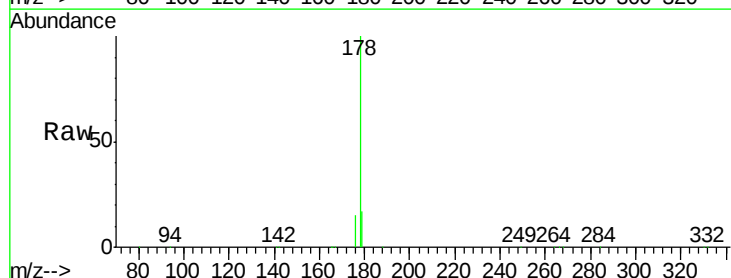
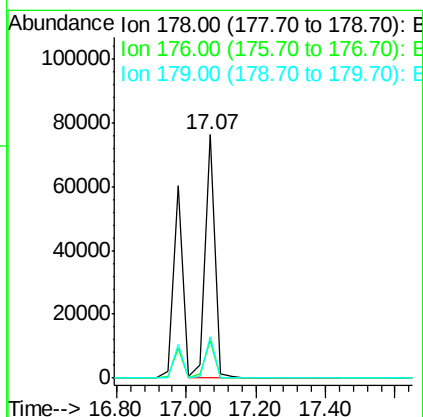
Manual Integrations
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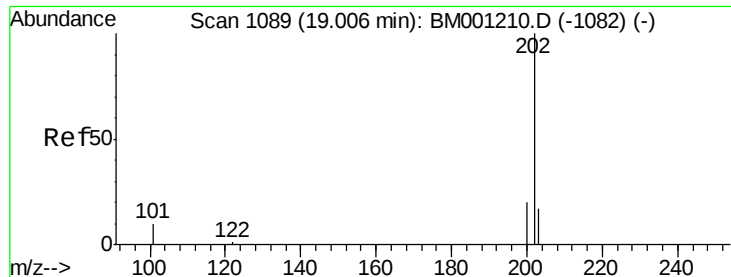
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#22
Anthracene
Concen: 6.77 ng
RT: 17.07 min Scan# 987
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.0	12.6	18.8
179	16.8	13.4	20.0





#23

Fluoranthene

Concen: 4.18 ng

RT: 19.01 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BM001222.D

Acq: 06 May 2015 11:37

Instrument :

BNA_M

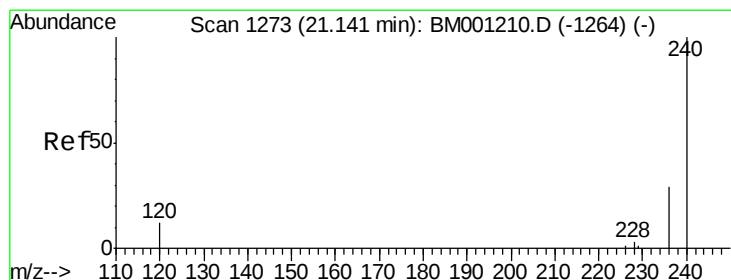
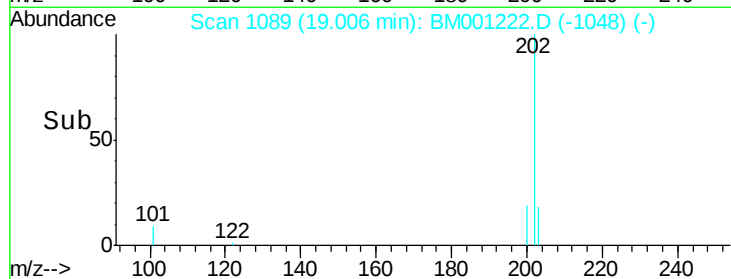
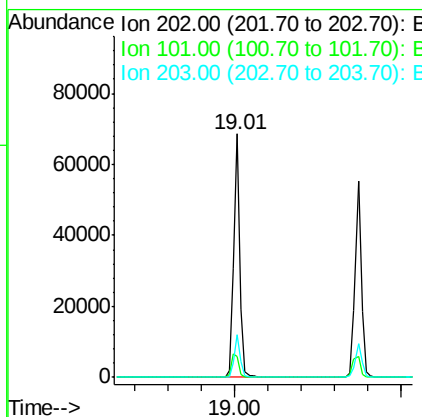
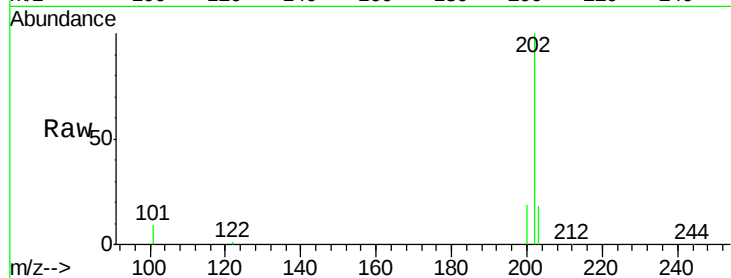
ClientSampleId :

PT-PAH-SOILDL

Tgt Ion:	202	Resp:	89703
Ion Ratio	Lower	Upper	
202	100		
101	11.6	9.0	13.6
203	17.2	13.6	20.4

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#24

Chrysene-d12

Concen: 5.00 ng

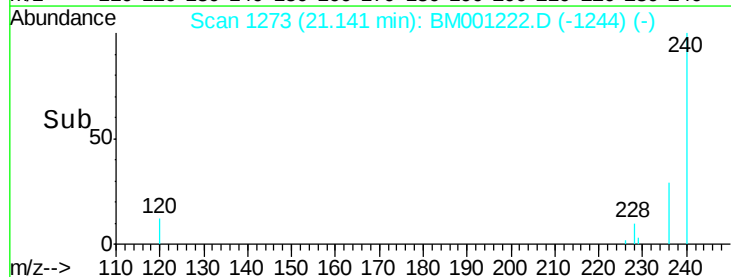
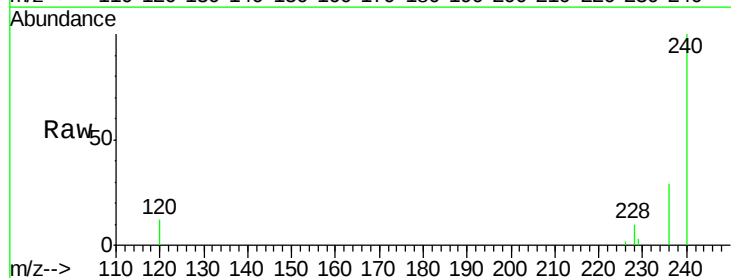
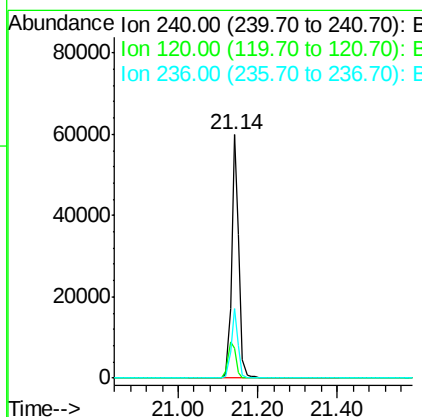
RT: 21.14 min Scan# 1273

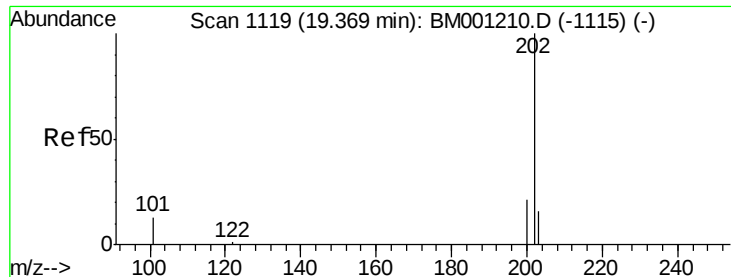
Delta R.T. 0.00 min

Lab File: BM001222.D

Acq: 06 May 2015 11:37

Tgt Ion:	240	Resp:	75009
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.6	14.4
236	28.6	22.9	34.3





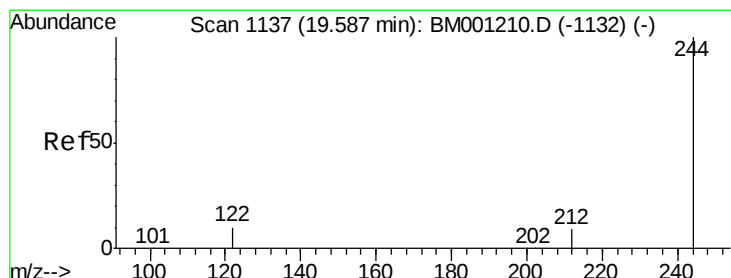
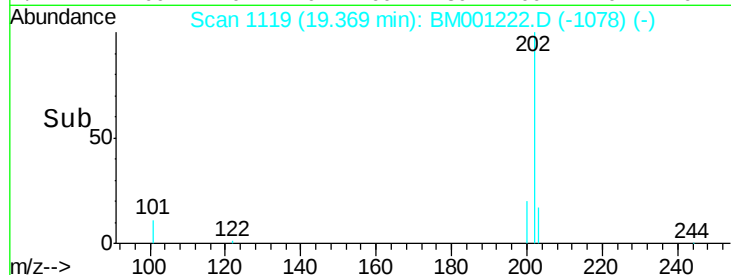
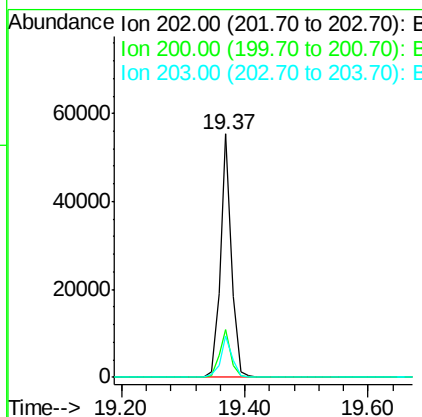
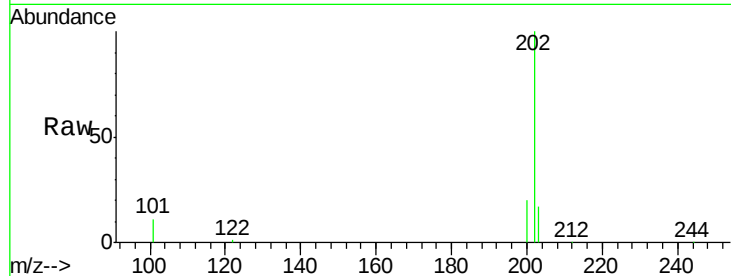
#25
 Pyrene
 Concen: 2.91 ng
 RT: 19.37 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: BM001222.D
 Acq: 06 May 2015 11:37

Instrument :
 BNA_M
 ClientSampleId :
 PT-PAH-SOILDL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	69667		
200	20.5	16.3	24.5	
203	17.8	13.8	20.8	

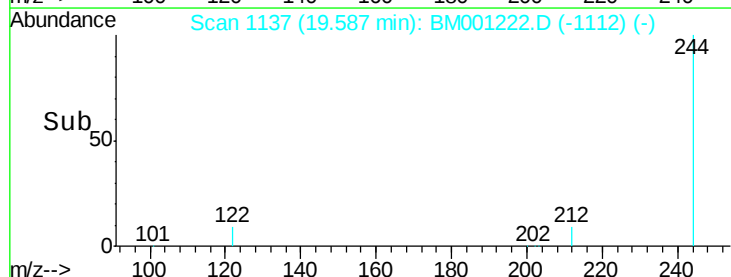
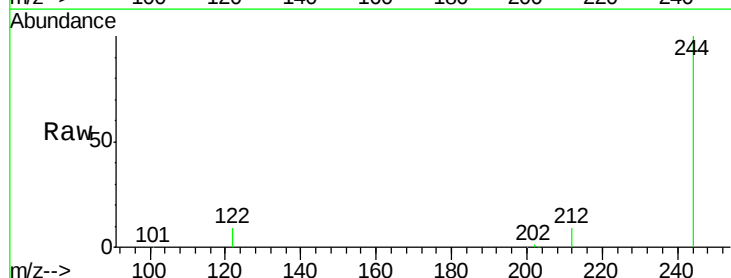
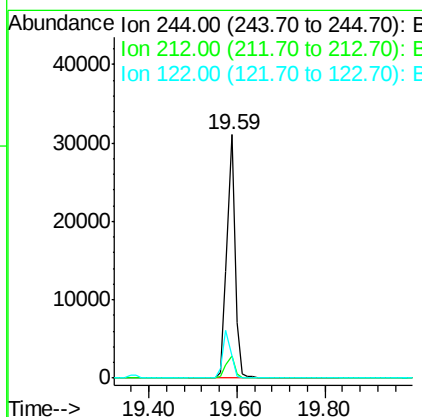
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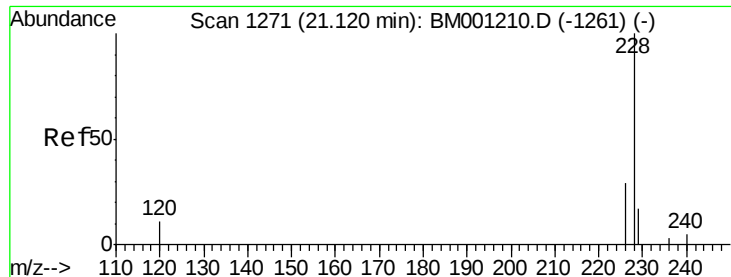
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#26
 Terphenyl-d14
 Concen: 3.62 ng
 RT: 19.59 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: BM001222.D
 Acq: 06 May 2015 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	38841		
212	9.1	7.4	11.0	
122	9.3	8.2	12.4	





#27

Benzo(a)anthracene

Concen: 3.59 ng

RT: 21.12 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BM001222.D

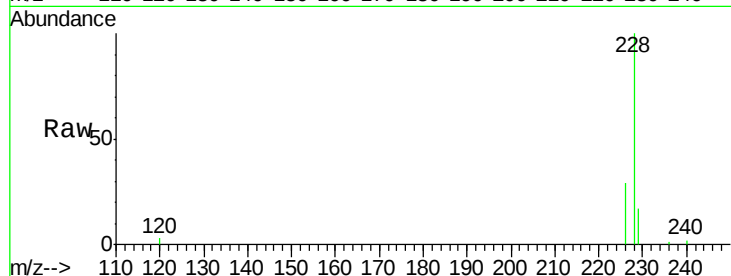
Acq: 06 May 2015 11:37

Instrument :

BNA_M

ClientSampleId :

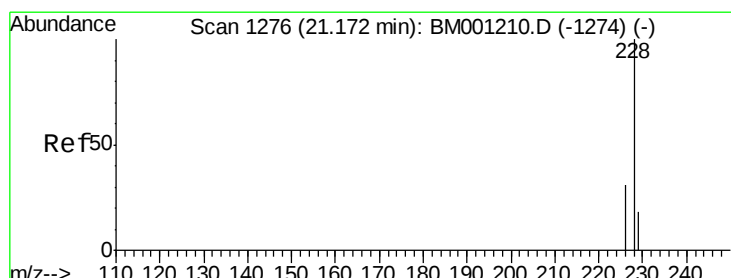
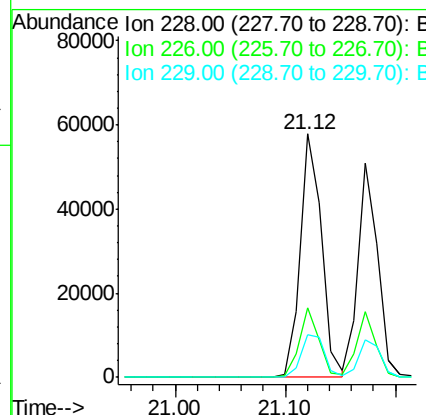
PT-PAH-SOILDL



Tgt Ion:	228	Resp:	76810
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.0	34.6
229	17.3	14.1	21.1

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#28

Chrysene

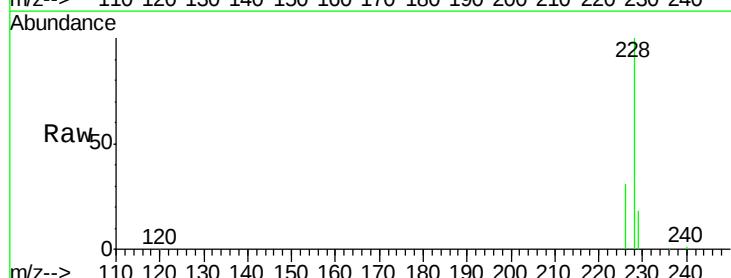
Concen: 3.11 ng

RT: 21.17 min Scan# 1276

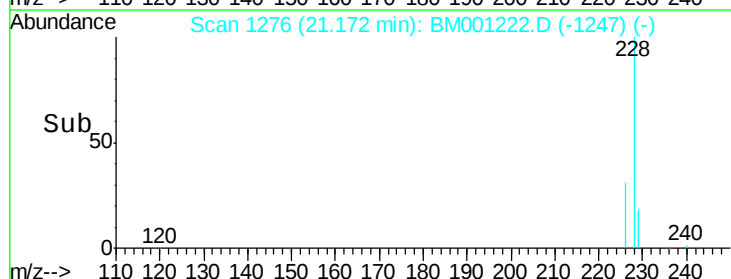
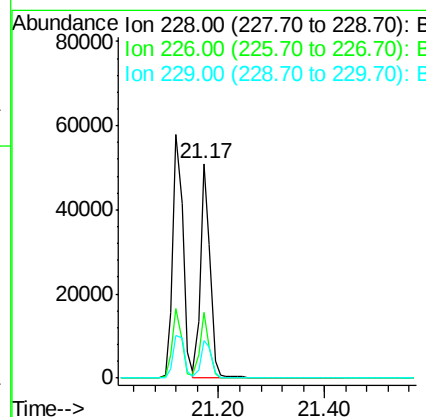
Delta R.T. 0.00 min

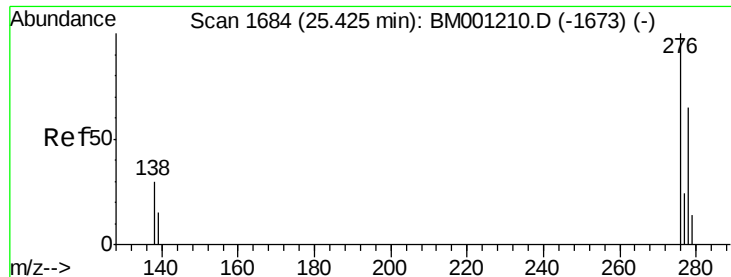
Lab File: BM001222.D

Acq: 06 May 2015 11:37



Tgt Ion:	228	Resp:	64279
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	17.7	14.4	21.6





#29

Indeno(1,2,3-cd)pyrene

Concen: 0.92 ng

RT: 25.43 min Scan# 1684

Delta R.T. 0.00 min

Lab File: BM001222.D

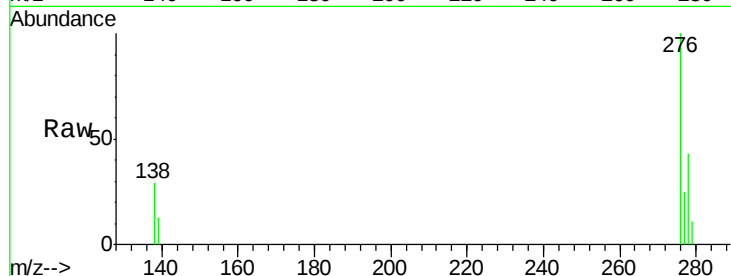
Acq: 06 May 2015 11:37

Instrument :

BNA_M

ClientSampleId :

PT-PAH-SOILDL



Tgt Ion: 276 Resp: 15096

Ion Ratio Lower Upper

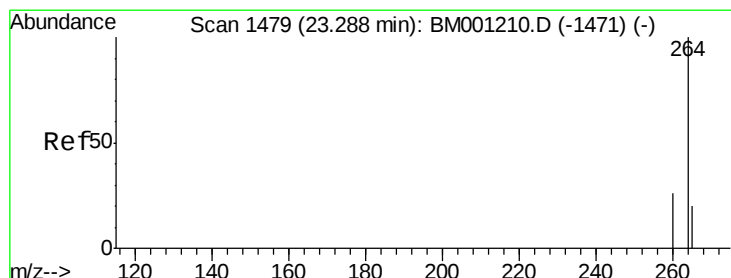
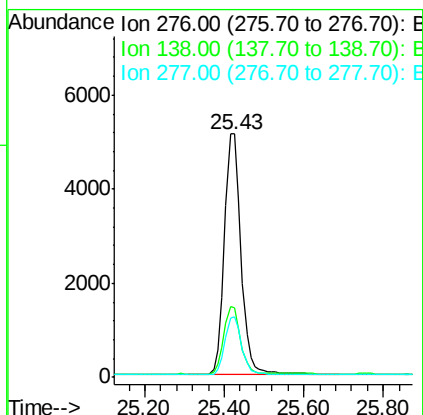
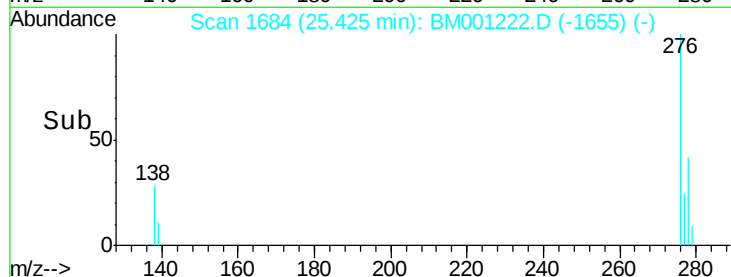
276 100

138 28.2 24.3 36.5

277 24.0 19.6 29.4

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#30

Perylene-d12

Concen: 5.00 ng

RT: 23.29 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM001222.D

Acq: 06 May 2015 11:37

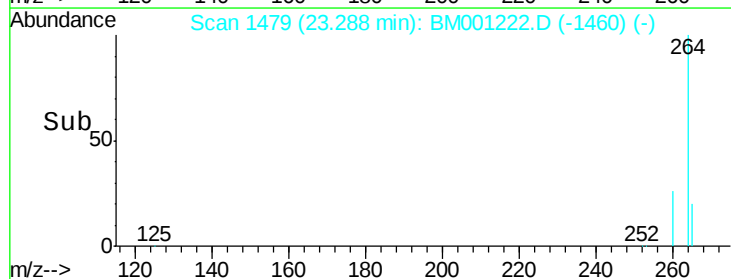
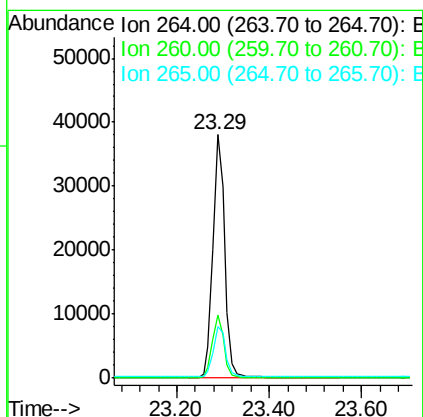
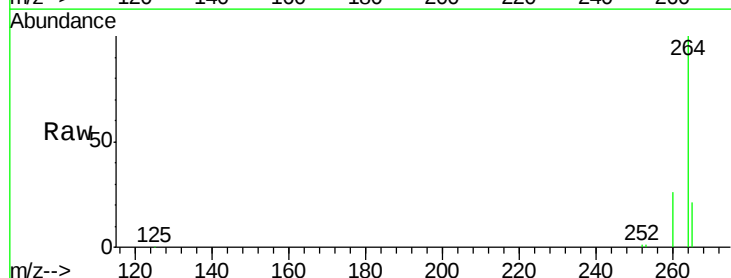
Tgt Ion: 264 Resp: 67672

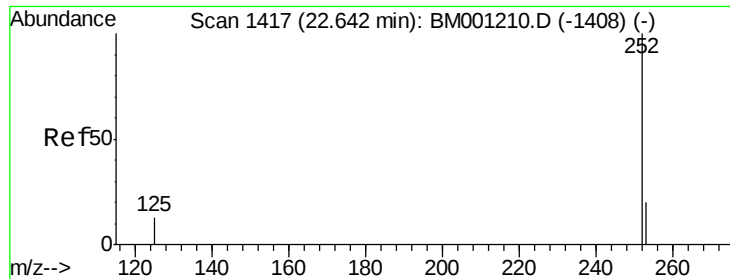
Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 20.9 16.8 25.2





#31

Benzo(b)fluoranthene

Concen: 3.12 ng m

RT: 22.64 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BM001222.D

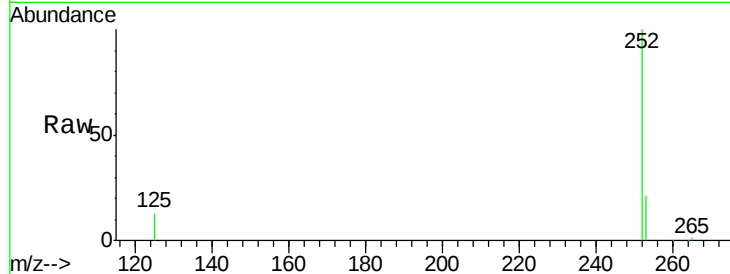
Acq: 06 May 2015 11:37

Instrument :

BNA_M

ClientSampleId :

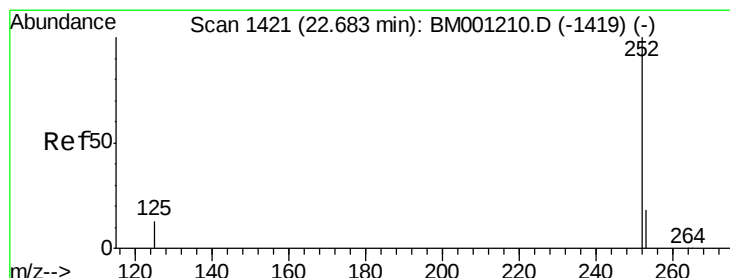
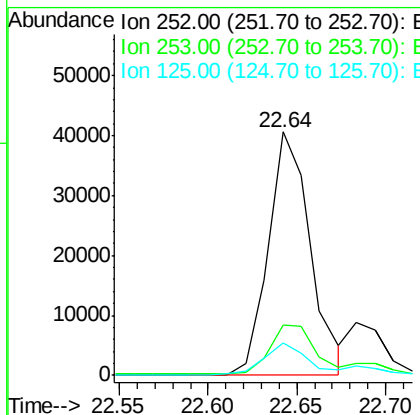
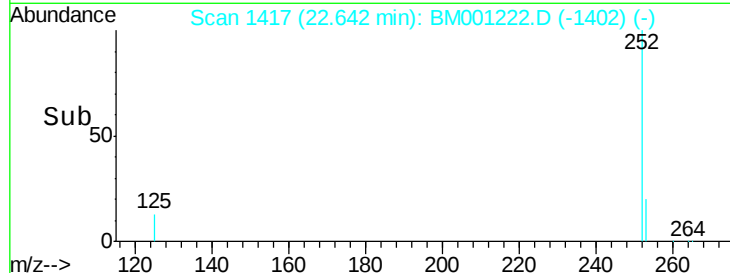
PT-PAH-SOILDL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.1	25.7
125	13.3	10.9	16.3

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#32

Benzo(k)fluoranthene

Concen: 0.64 ng m

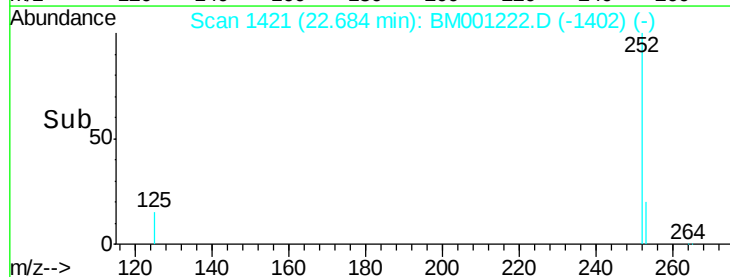
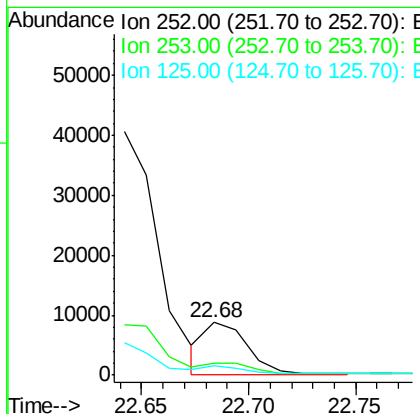
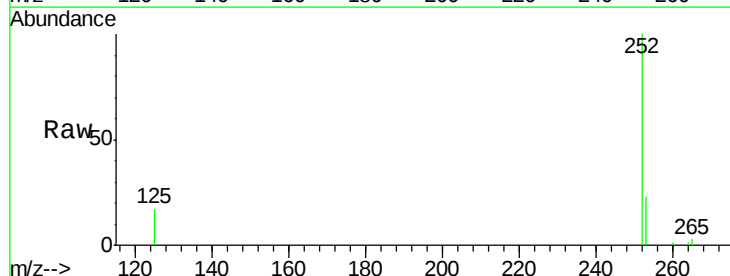
RT: 22.68 min Scan# 1421

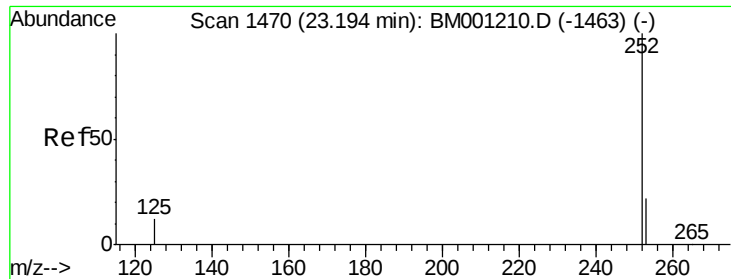
Delta R.T. 0.00 min

Lab File: BM001222.D

Acq: 06 May 2015 11:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	16.6	10.2	15.4





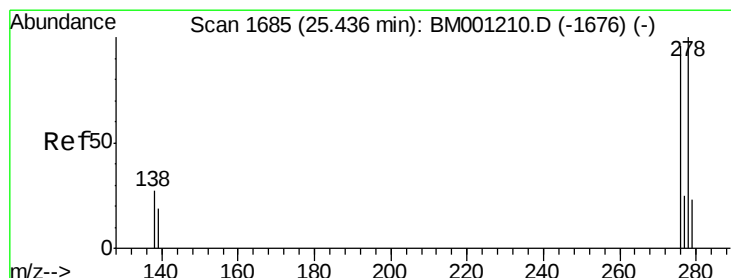
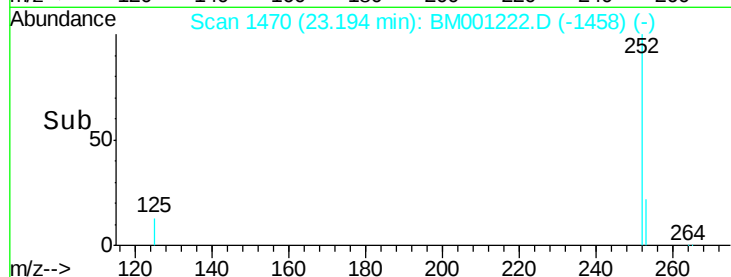
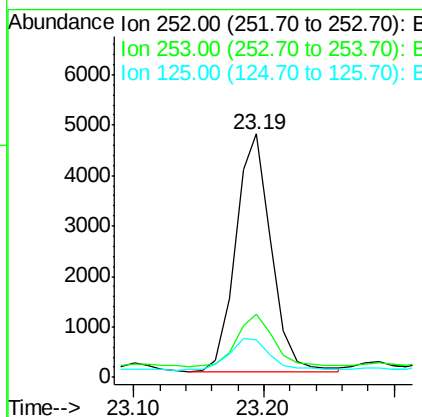
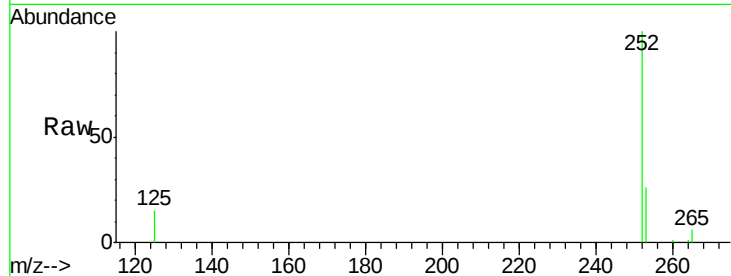
#33
Benzo(a)pyrene
Concen: 0.50 ng
RT: 23.19 min Scan# 1470
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.6	28.0
125	15.5	10.6	16.0

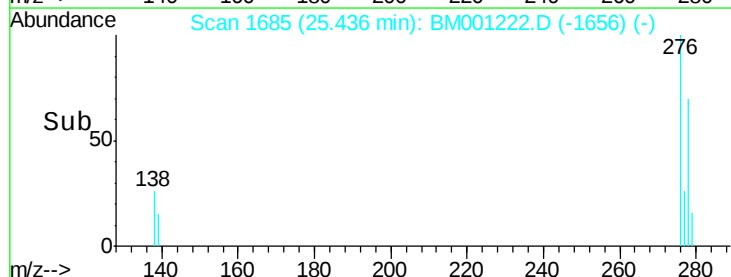
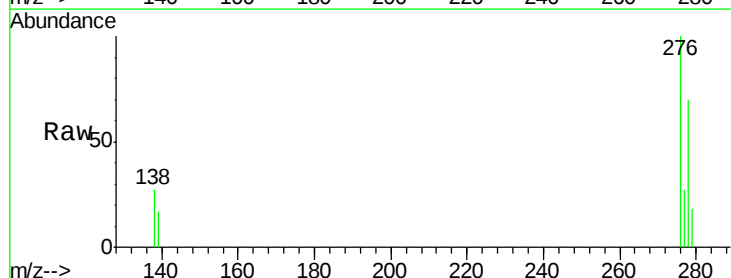
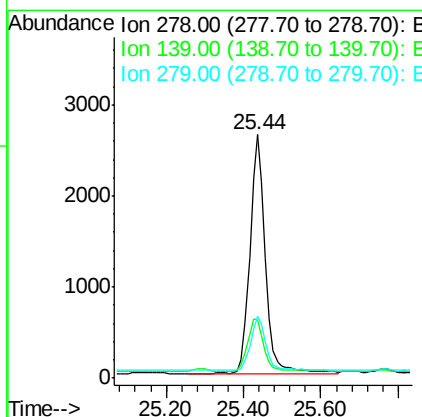
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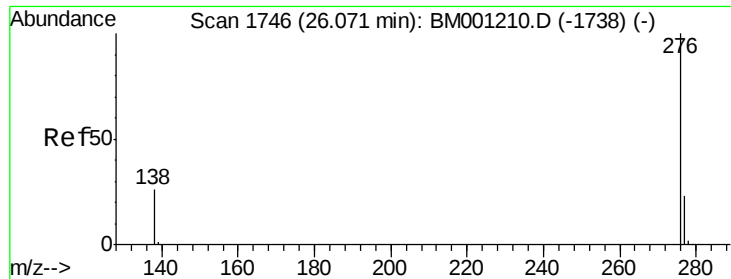
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#34
Dibenzo(a,h)anthracene
Concen: 0.50 ng
RT: 25.44 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BM001222.D
Acq: 06 May 2015 11:37

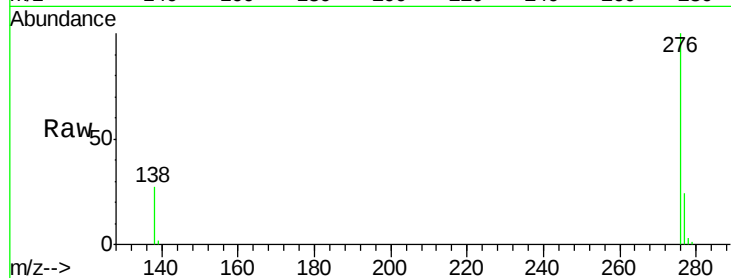
Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.9	16.2	24.4
279	25.2	19.5	29.3





#35
 Benzo(g,h,i)perylene
 Concen: 2.08 ng
 RT: 26.07 min Scan# 1746
 Delta R.T. 0.00 min
 Lab File: BM001222.D
 Acq: 06 May 2015 11:37

Instrument :
 BNA_M
 ClientSampleId :
 PT-PAH-SOILDL



Tgt	Ion	276	Resp:	31437
Ion	Ratio	Lower	Upper	
276	100			
277	23.8	19.0	28.6	
138	26.9	21.8	32.8	

Manual Integrations
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apatel
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