

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001061.D
 Acq On : 18 Apr 2015 15:47
 Operator : TP/IZ
 Sample : G1801-01 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LGA-AA-C-D

Manual Integrations
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Quant Time: Apr 20 16:49:27 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 08:05:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	22697	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	84061	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	44788	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	94470	5.00	ng	0.00
19) Chrysene-d12	21.19	240	80304	5.00	ng	0.00
25) Perylene-d12	23.36	264	76161	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	2247	0.51	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	7424	0.50	ng	0.00
21) Terphenyl-d14	19.63	244	5429	0.51	ng	0.00
Target Compounds						Ovalue
6) Naphthalene	10.41	128	10613	0.53	ng	98
7) 2-Methylnaphthalene	12.04	142	17446	1.35	ng	100
11) Acenaphthene	14.29	154	1422	0.10	ng	# 77
12) Fluorene	15.30	166	2442	0.15	ng	# 86
16) Phenanthrene	17.03	178	13108	0.52	ng	96
17) Anthracene	17.11	178	2042	0.09	ng	# 84
18) Fluoranthene	19.05	202	9050	0.35	ng	99
20) Pyrene	19.42	202	12250m	0.46	ng	
22) Benzo(a)anthracene	21.17	228	4648	0.20	ng	# 78
23) Chrysene	21.22	228	4611	0.19	ng	# 81
24) Indeno(1,2,3-cd)pyrene	25.52	276	2403	0.10	ng	98

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

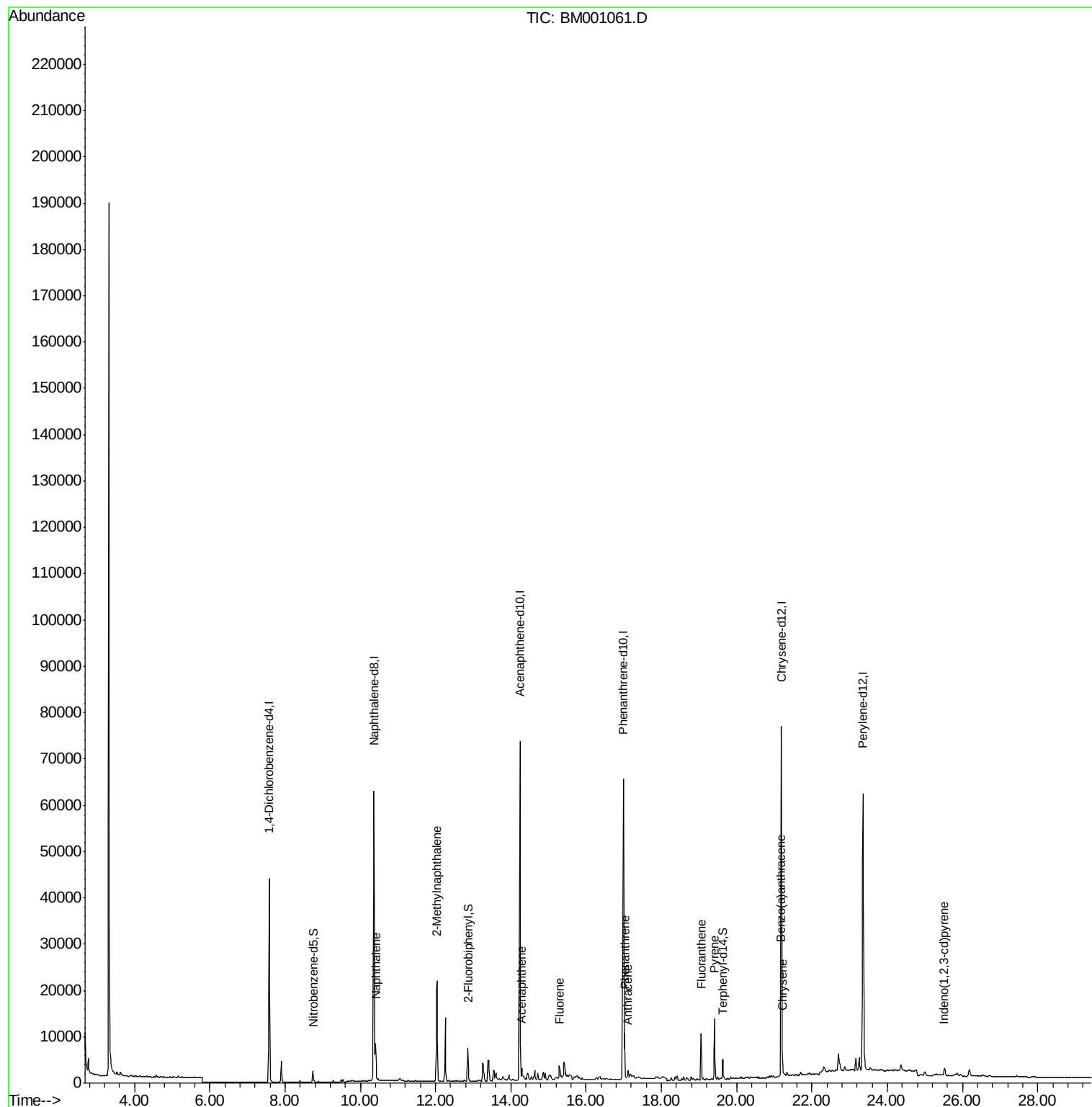
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001061.D
Acq On : 18 Apr 2015 15:47
Operator : TP/IZ
Sample : G1801-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

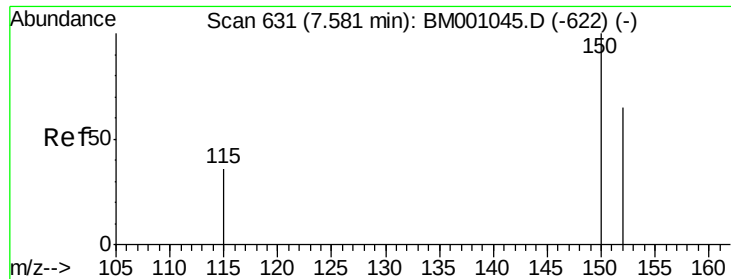
Instrument :
BNA_M
ClientSampleId :
LGA-AA-C-D

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#1

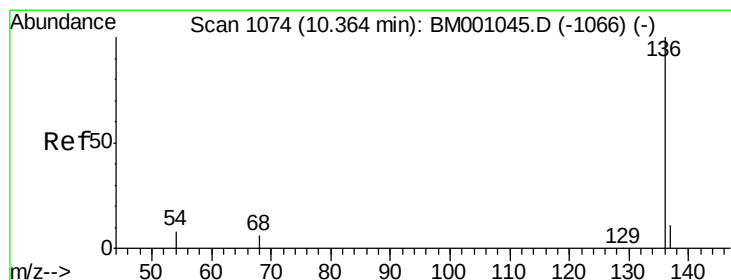
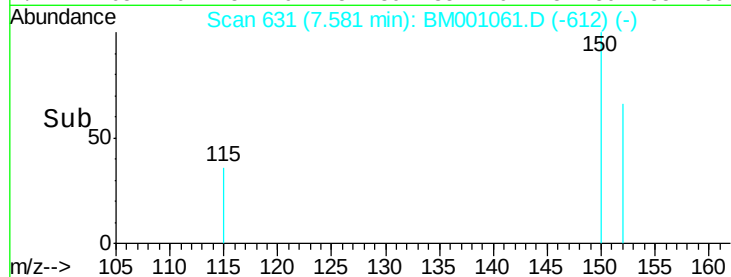
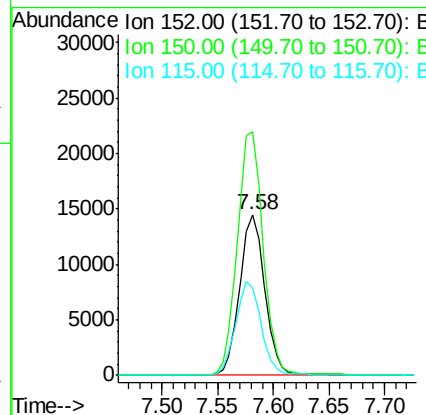
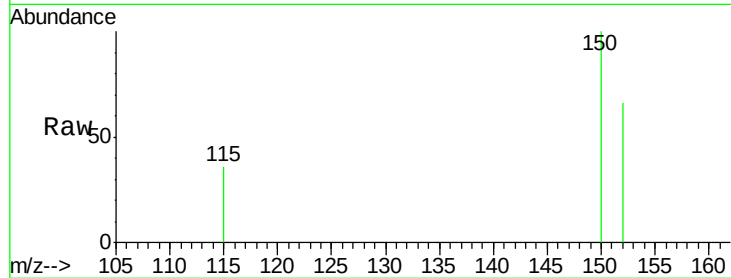
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 631
Delta R.T. 0.00 min
Lab File: BM001061.D
Acq: 18 Apr 2015 15:47

Instrument :
BNA_M
ClientSampleId :
LGA-AA-C-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	123.3	184.9
115	54.0	45.0	67.6

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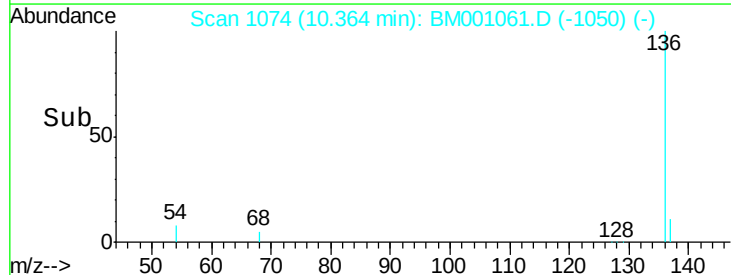
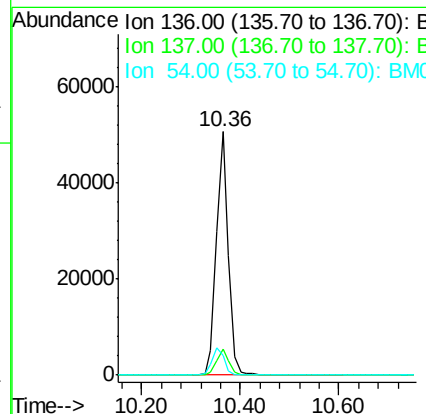
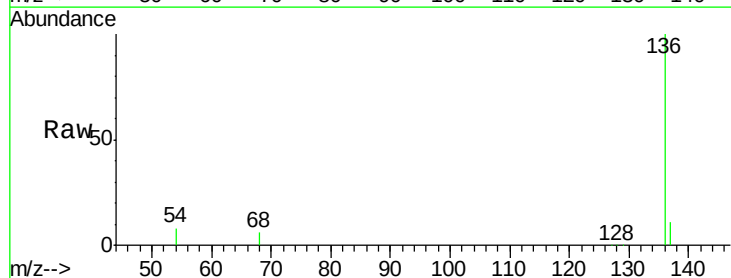
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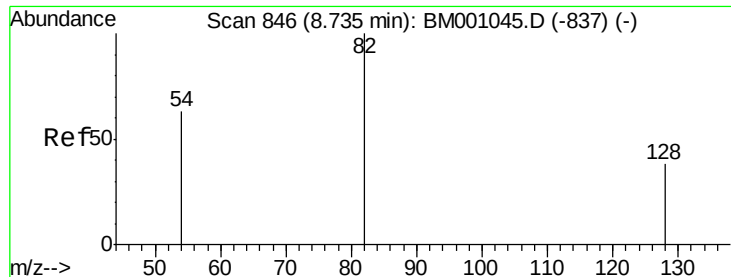


#4

Naphthalene-d8
Concen: 5.00 ng
RT: 10.36 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BM001061.D
Acq: 18 Apr 2015 15:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.9	6.5	9.7





#5

Nitrobenzene-d5

Concen: 0.51 ng

RT: 8.74 min Scan# 847

Delta R.T. 0.01 min

Lab File: BM001061.D

Acq: 18 Apr 2015 15:47

Instrument :

BNA_M

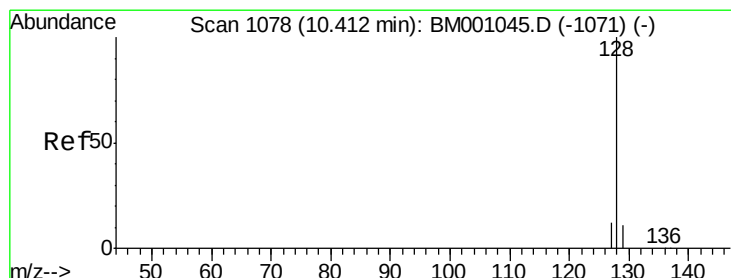
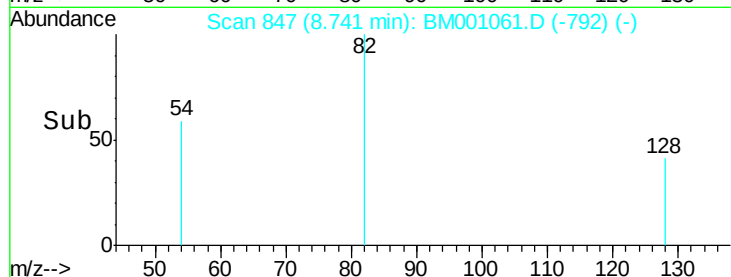
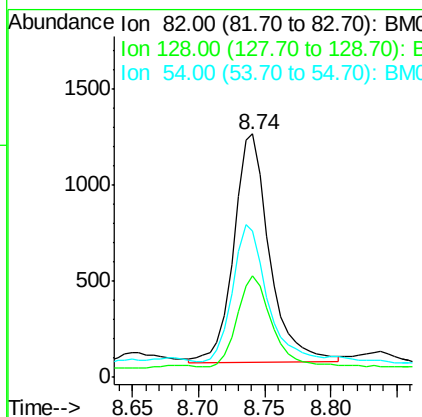
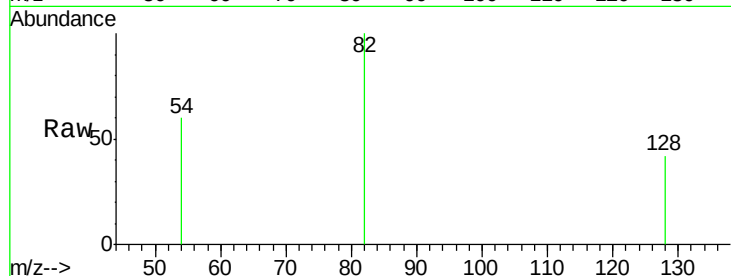
ClientSampleId :

LGA-AA-C-D

Tot Ion:	82	Resp:	2247
Ion	Ratio	Lower	Upper
82	100		
128	41.7	31.9	47.9
54	60.1	51.3	76.9

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#6

Naphthalene

Concen: 0.53 ng

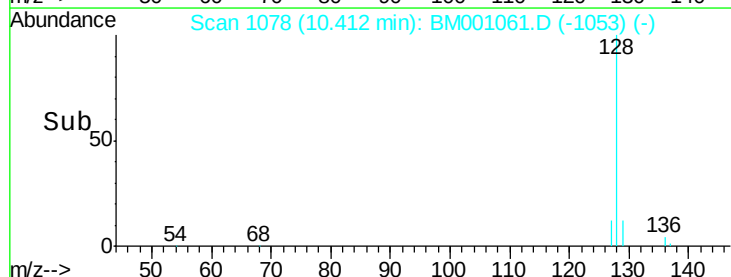
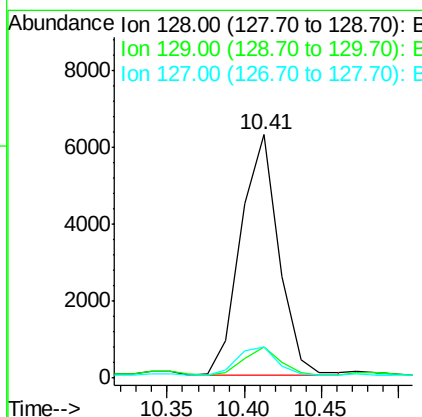
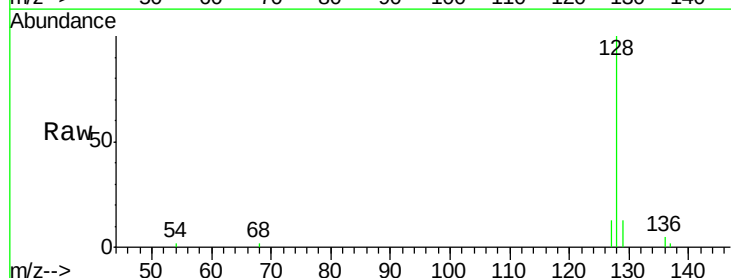
RT: 10.41 min Scan# 1078

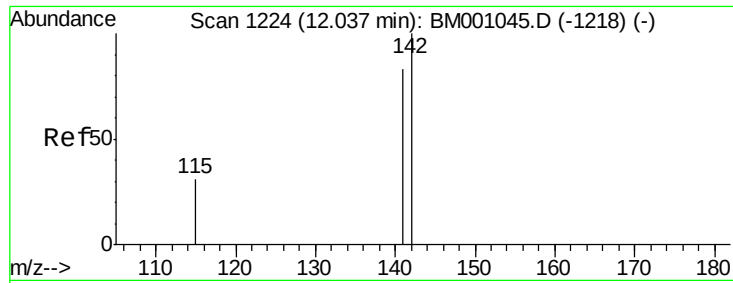
Delta R.T. 0.00 min

Lab File: BM001061.D

Acq: 18 Apr 2015 15:47

Tgt Ion:	128	Resp:	10613
Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.3	13.9
127	12.7	10.0	15.0





#7

2-Methylnaphthalene

Concen: 1.35 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001061.D

Acq: 18 Apr 2015 15:47

Instrument :

BNA_M

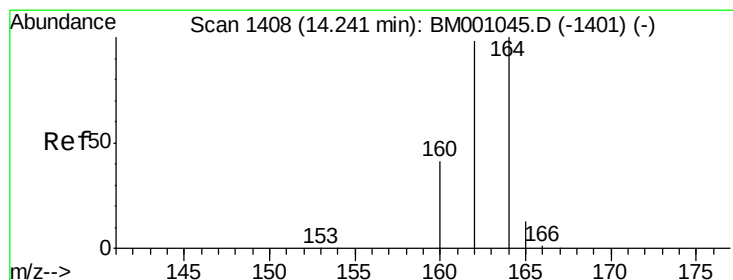
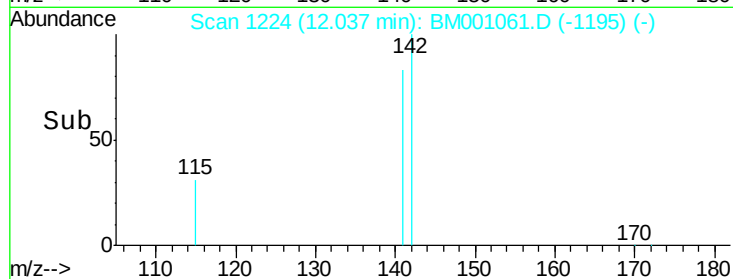
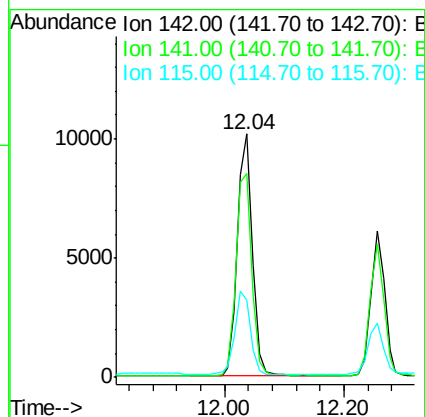
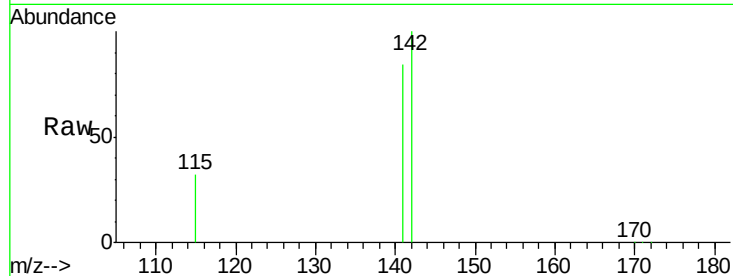
ClientSampleId :

LGA-AA-C-D

Tot Ion:	142	Resp:	17446
Ion Ratio	Lower	Upper	
142	100		
141	83.5	66.7	100.1
115	31.6	25.5	38.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

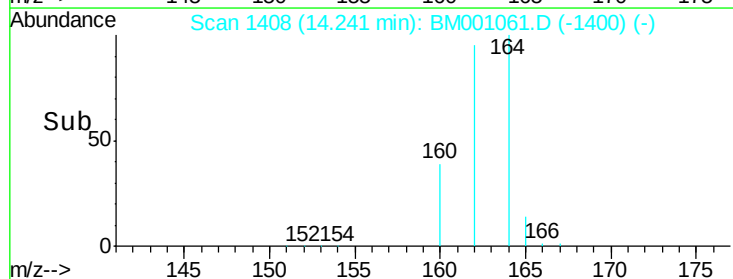
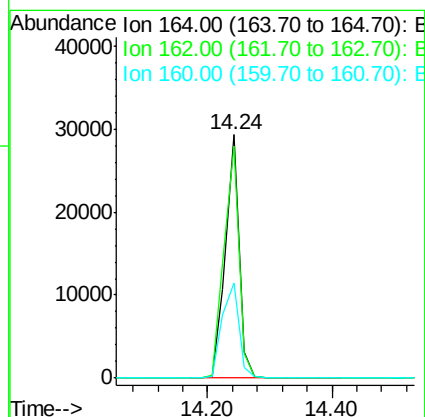
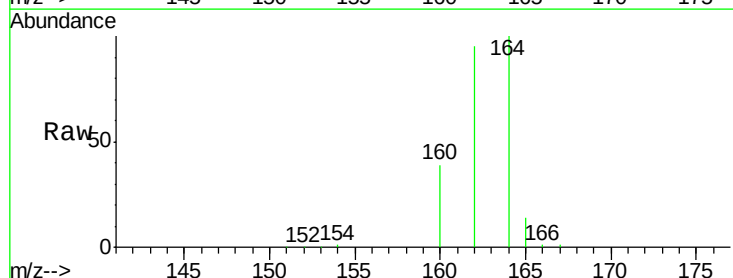
RT: 14.24 min Scan# 1408

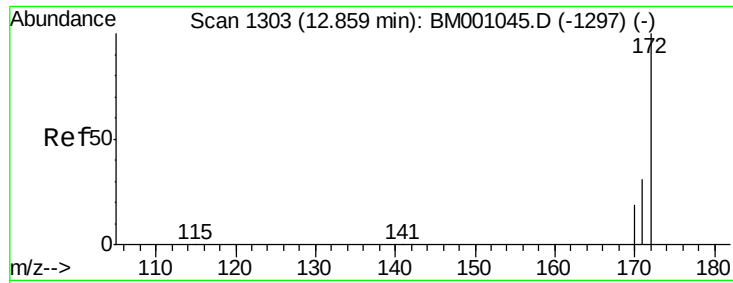
Delta R.T. 0.00 min

Lab File: BM001061.D

Acq: 18 Apr 2015 15:47

Tgt Ion:	164	Resp:	44788
Ion Ratio	Lower	Upper	
164	100		
162	95.1	78.5	117.7
160	39.0	32.9	49.3





#9

2-Fluorobiphenyl

Concen: 0.50 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001061.D

Acq: 18 Apr 2015 15:47

Instrument :

BNA_M

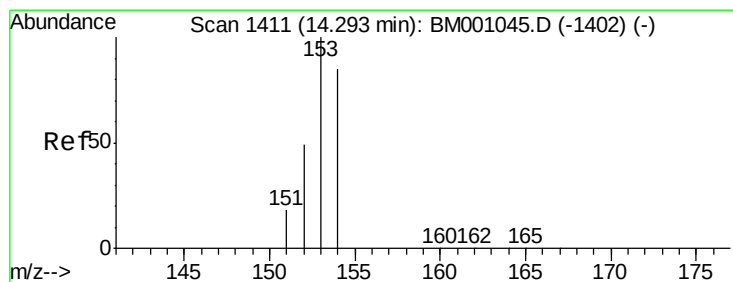
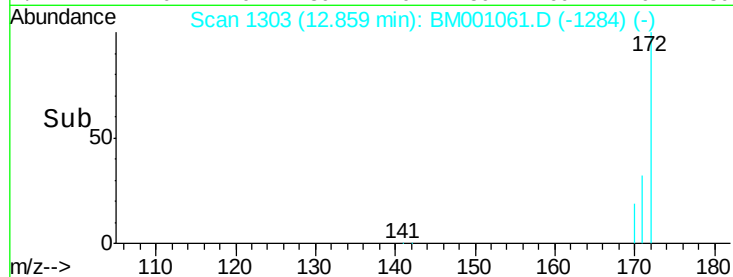
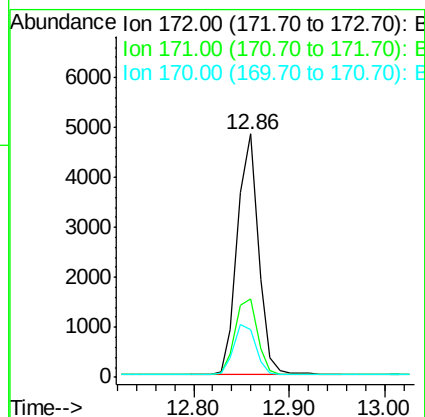
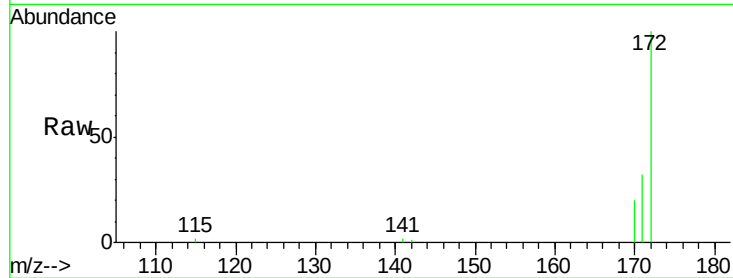
ClientSampleId :

LGA-AA-C-D

Tot Ion:	172	Resp:	7424
Ion	Ratio	Lower	Upper
172	100		
171	32.2	25.6	38.4
170	19.5	15.8	23.6

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#11

Acenaphthene

Concen: 0.10 ng

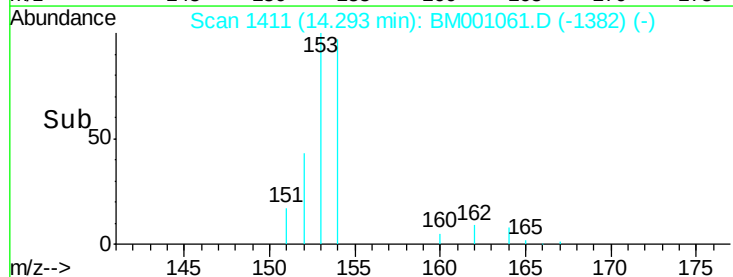
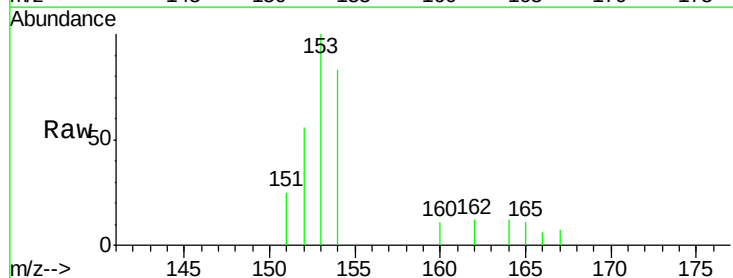
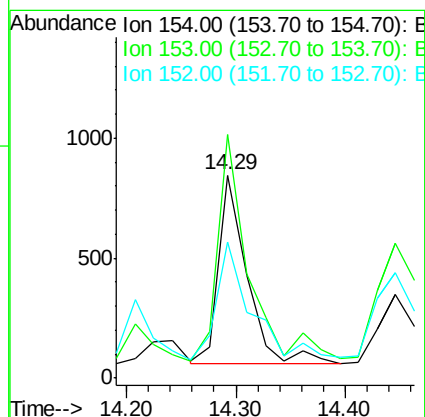
RT: 14.29 min Scan# 1411

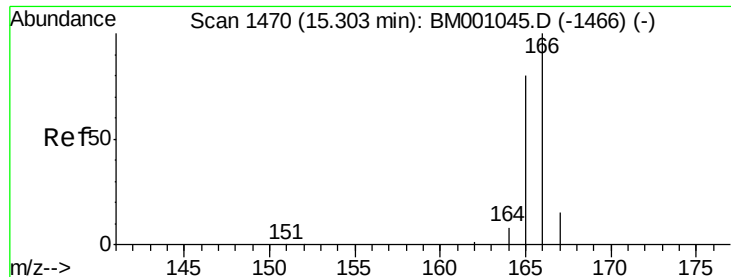
Delta R.T. 0.00 min

Lab File: BM001061.D

Acq: 18 Apr 2015 15:47

Tgt Ion:	154	Resp:	1422
Ion	Ratio	Lower	Upper
154	100		
153	129.3	88.1	132.1
152	76.7	42.3	63.5#





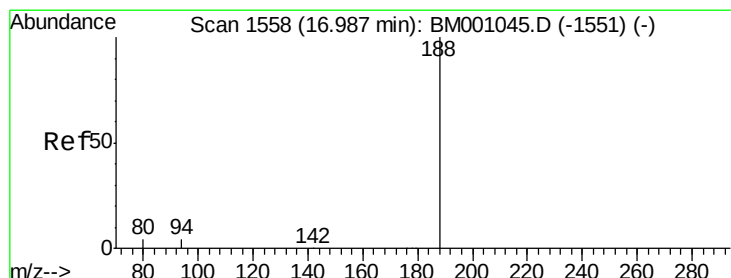
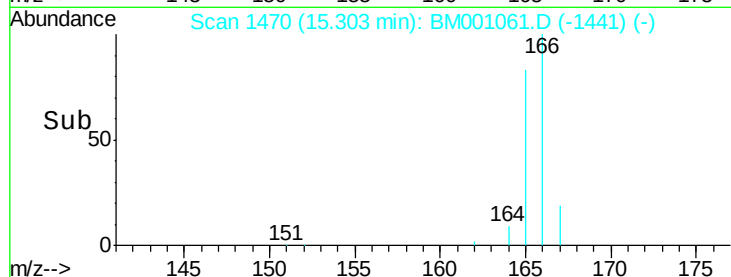
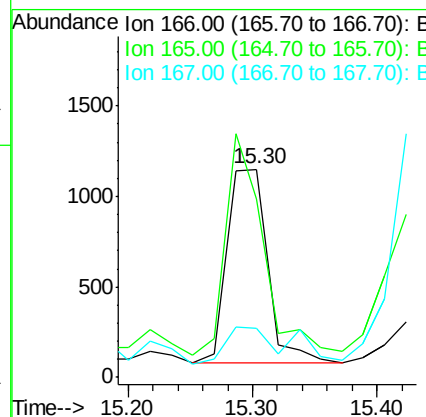
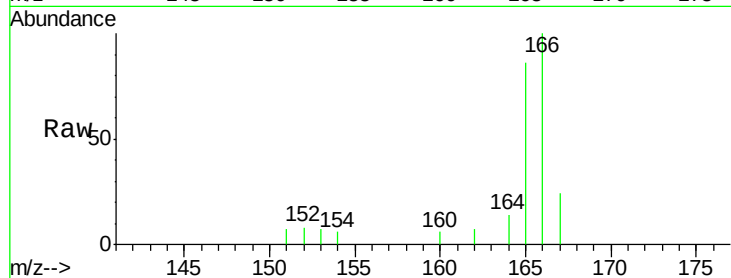
#12
 Fluorene
 Concen: 0.15 ng
 RT: 15.30 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: BM001061.D
 Acq: 18 Apr 2015 15:47

Instrument :
 BNA_M
 ClientSampleId :
 LGA-AA-C-D

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	106.7	77.6	116.4	
167	31.6	10.6	16.0	

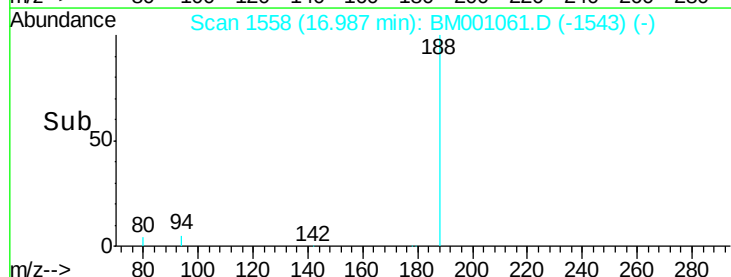
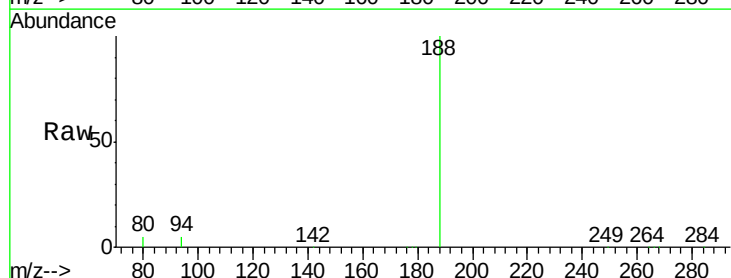
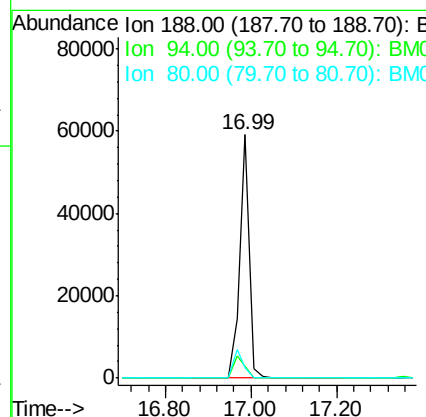
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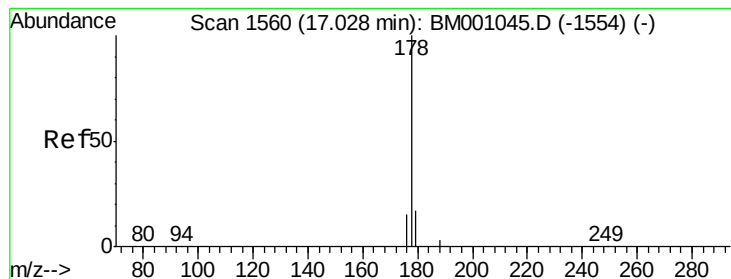
apatel
 4/20/2015 4:34:58 PM



#13
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.99 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BM001061.D
 Acq: 18 Apr 2015 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.1	3.6	5.4	
80	4.6	3.0	4.6	





#16

Phenanthrene

Concen: 0.52 ng

RT: 17.03 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BM001061.D

Acq: 18 Apr 2015 15:47

Instrument :

BNA_M

ClientSampleId :

LGA-AA-C-D

Tot Ion:178 Resp: 13108

Ion Ratio Lower Upper

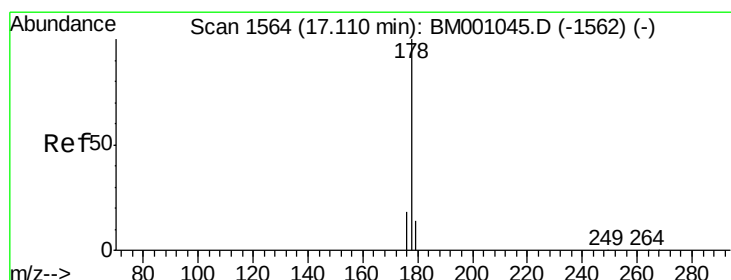
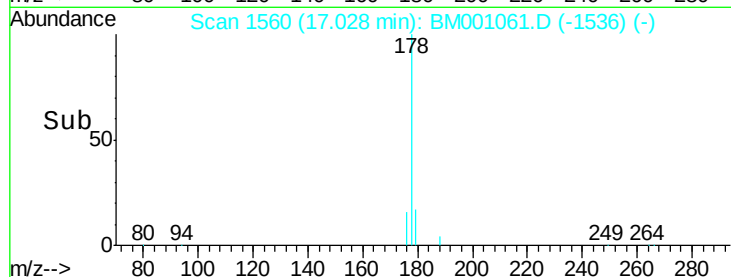
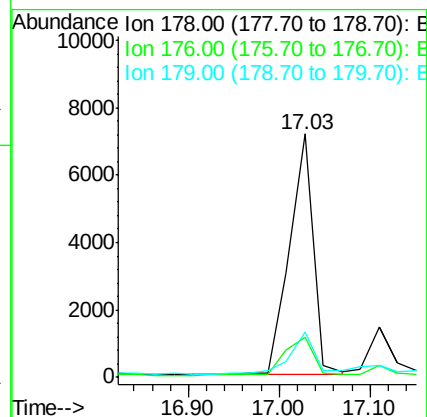
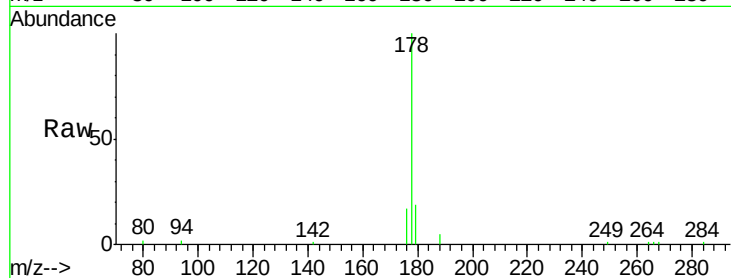
178 100

176 18.9 14.6 22.0

179 18.6 12.6 19.0

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#17

Anthracene

Concen: 0.09 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001061.D

Acq: 18 Apr 2015 15:47

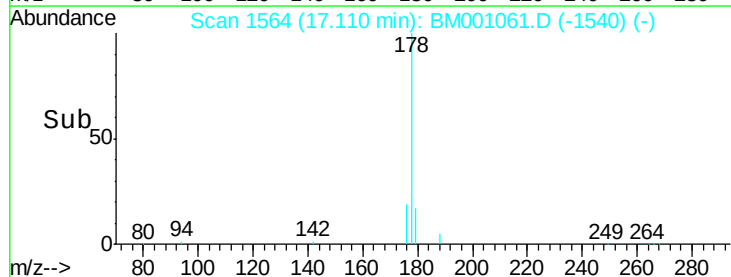
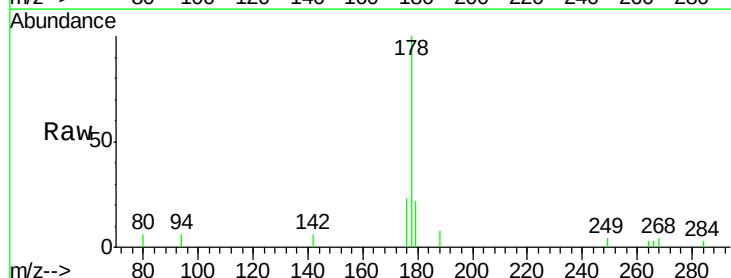
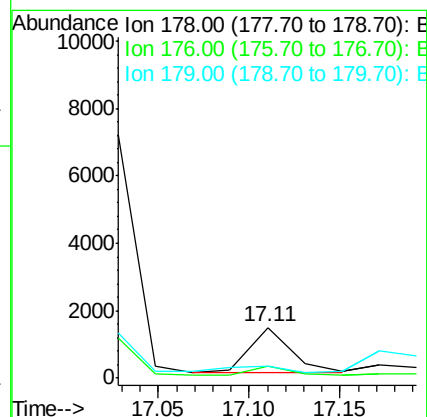
Tgt Ion:178 Resp: 2042

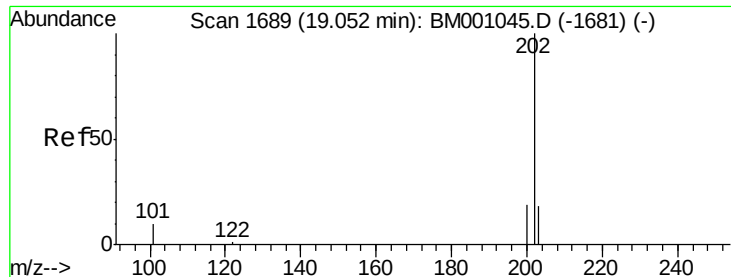
Ion Ratio Lower Upper

178 100

176 17.3 14.3 21.5

179 29.1 11.8 17.8#





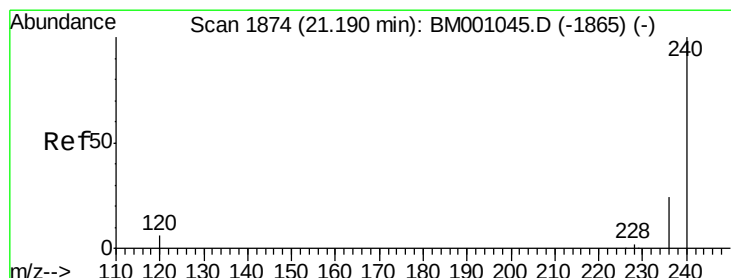
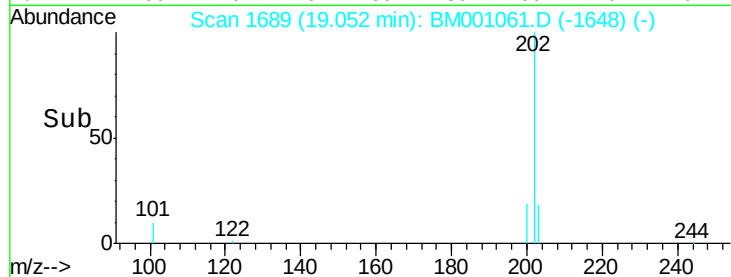
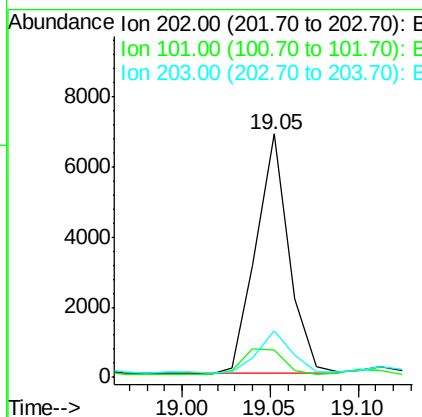
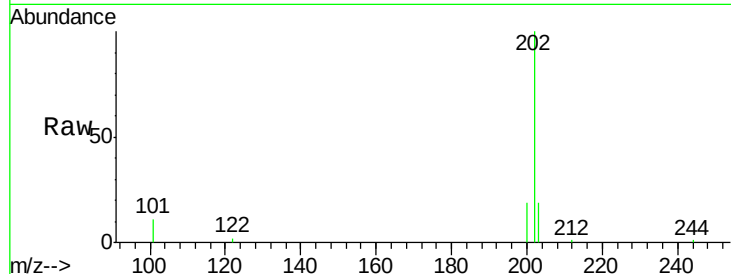
#18
 Fluoranthene
 Concen: 0.35 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001061.D
 Acq: 18 Apr 2015 15:47

Instrument :
 BNA_M
 ClientSampleId :
 LGA-AA-C-D

Tot Ion:	202	Resp:	9050
Ion Ratio	Lower	Upper	
202	100		
101	13.2	10.1	15.1
203	17.6	13.8	20.8

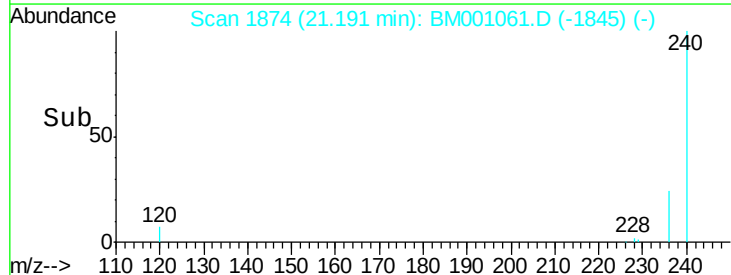
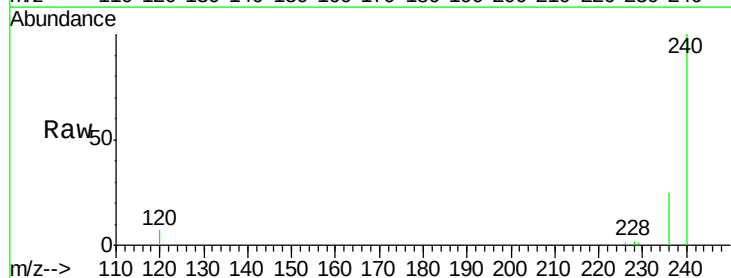
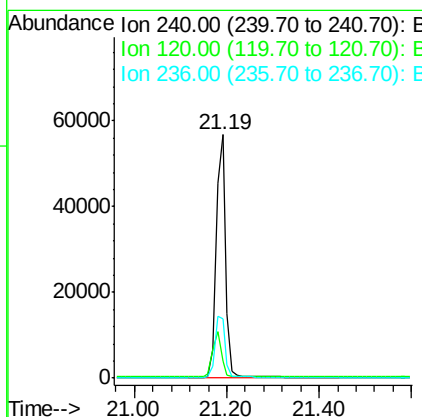
Manual Integrations
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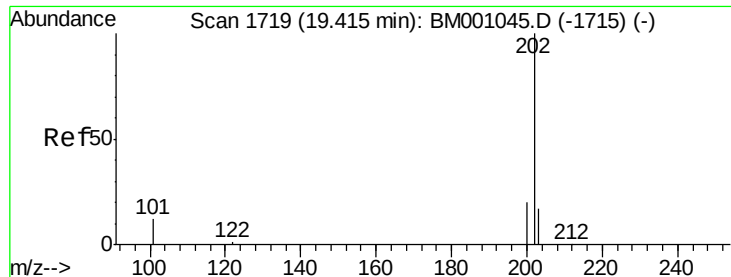
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.19 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: BM001061.D
 Acq: 18 Apr 2015 15:47

Tgt Ion:	240	Resp:	80304
Ion Ratio	Lower	Upper	
240	100		
120	7.0	4.6	6.8#
236	24.5	19.1	28.7





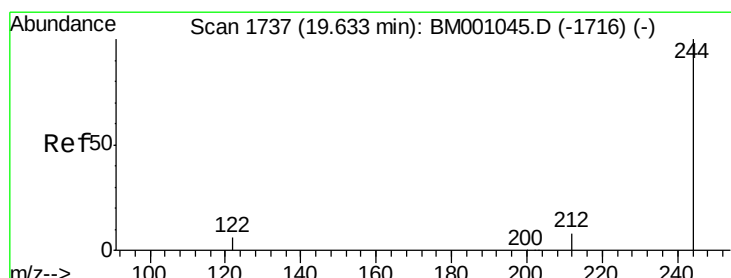
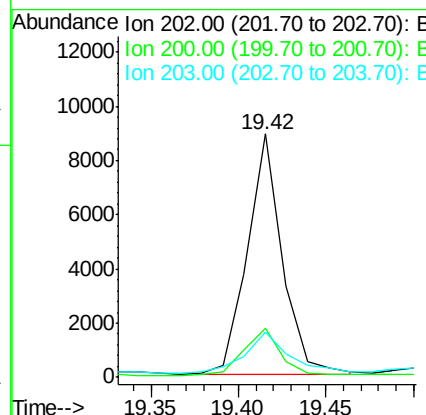
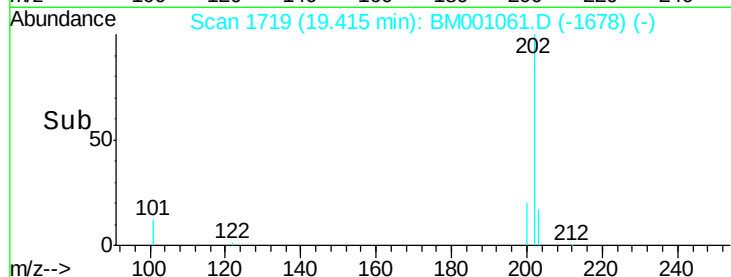
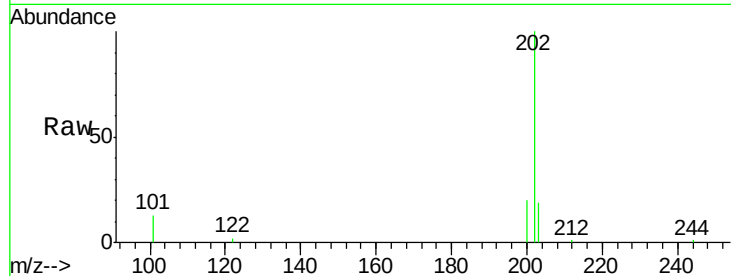
#20
Pvrene
Concen: 0.46 ng/ml
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001061.D
Acq: 18 Apr 2015 15:47

Instrument :
BNA_M
ClientSampleId :
LGA-AA-C-D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	14.6	16.3	24.5#
203	13.0	13.8	20.6#

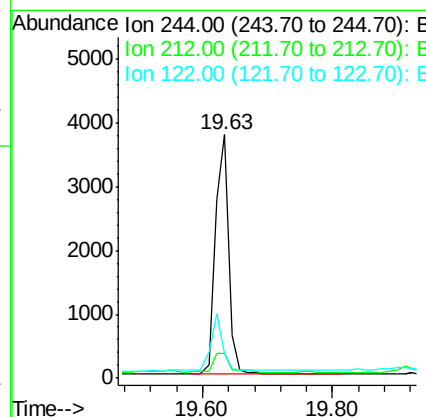
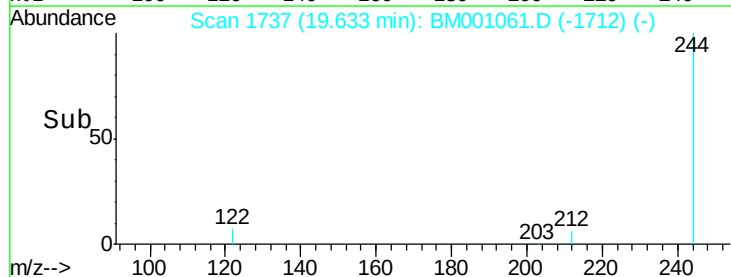
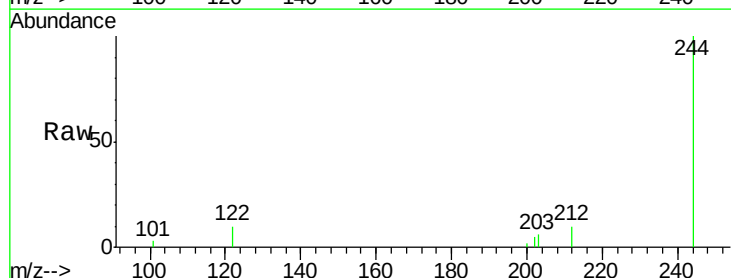
Manual Integrations
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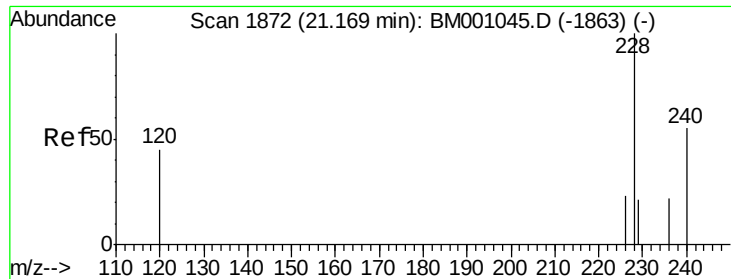
apatel
4/20/2015 4:34:58 PM



#21
Terphenyl-d14
Concen: 0.51 ng
RT: 19.63 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BM001061.D
Acq: 18 Apr 2015 15:47

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.2	7.1	10.7
122	10.0	5.9	8.9#





#22

Benzo(a)anthracene

Concen: 0.20 ng

RT: 21.17 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BM001061.D

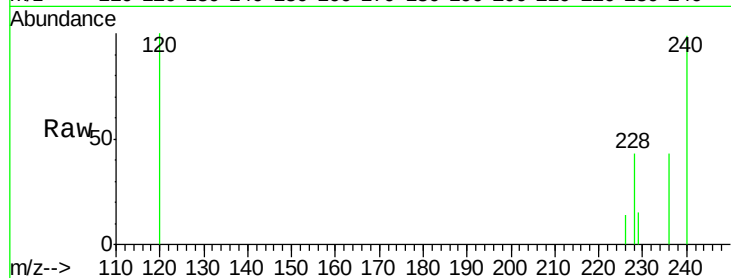
Acq: 18 Apr 2015 15:47

Instrument :

BNA_M

ClientSampleId :

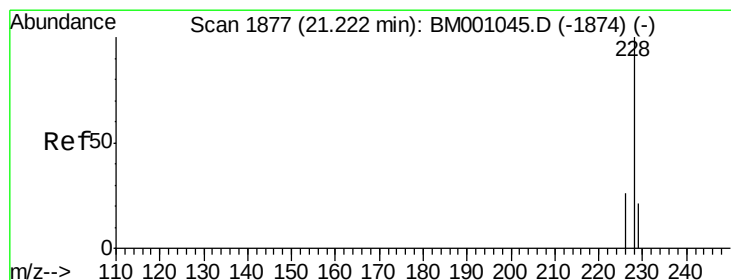
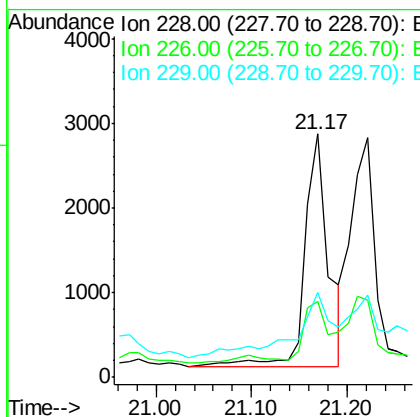
LGA-AA-C-D



Tot Ion:	228	Resp:	4648
Ion Ratio	Lower	Upper	
228	100		
226	31.3	19.0	28.6#
229	34.6	16.8	25.2#

Manual Integrations
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#23

Chrysene

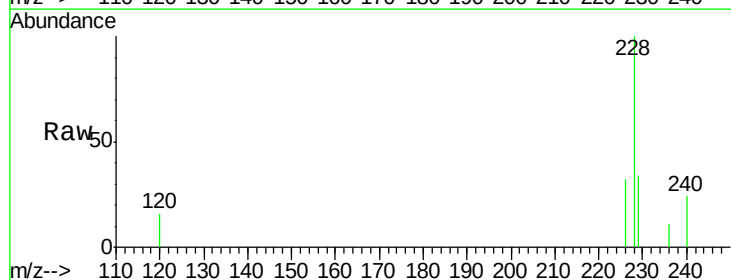
Concen: 0.19 ng

RT: 21.22 min Scan# 1877

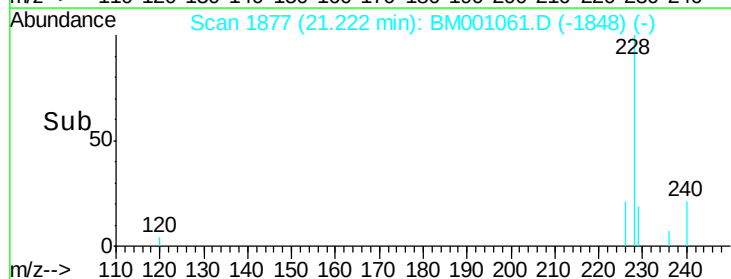
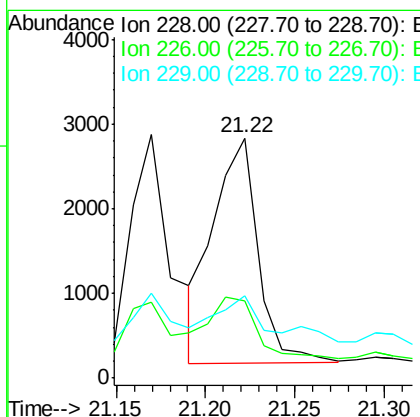
Delta R.T. 0.00 min

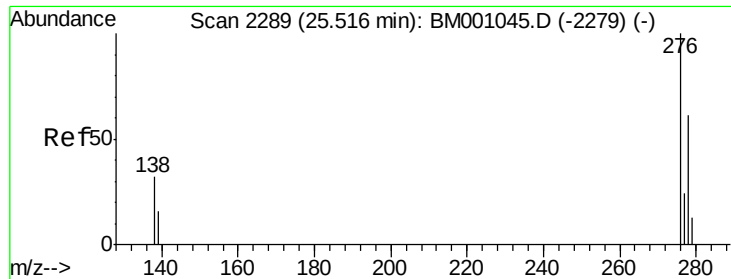
Lab File: BM001061.D

Acq: 18 Apr 2015 15:47



Tgt Ion:	228	Resp:	4611
Ion Ratio	Lower	Upper	
228	100		
226	31.9	20.6	31.0#
229	34.3	17.2	25.8#





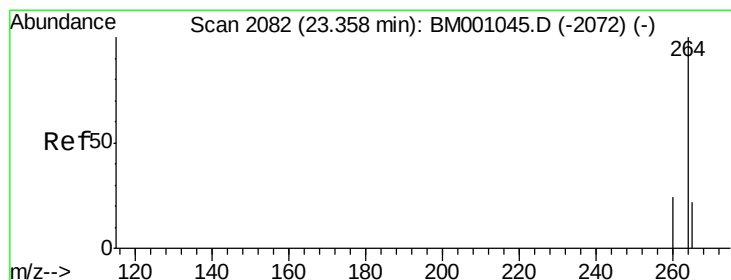
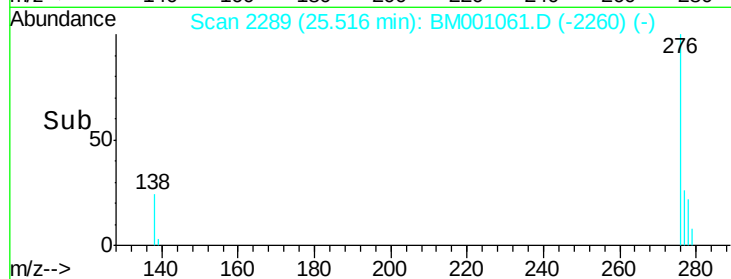
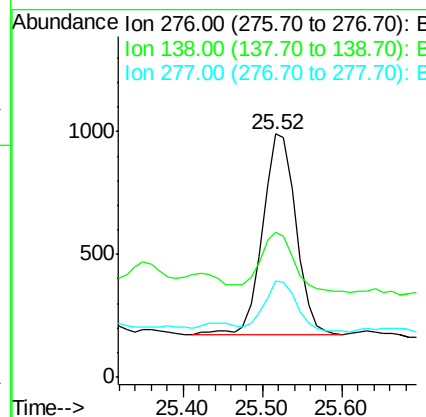
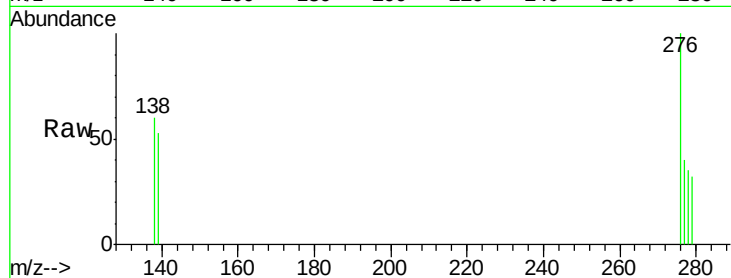
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.10 ng
RT: 25.52 min Scan# 2289
Delta R.T. 0.00 min
Lab File: BM001061.D
Acq: 18 Apr 2015 15:47

Instrument :
BNA_M
ClientSampleId :
LGA-AA-C-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	26.3	39.5
277	24.7	19.5	29.3

Manual Integrations
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#25
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001061.D
Acq: 18 Apr 2015 15:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	22.2	17.9	26.9

