

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001063.D
 Acq On : 18 Apr 2015 16:59
 Operator : TP/IZ
 Sample : G1802-01MS 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MS

Manual Integrations
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apatel
 4/20/2015 4:35:06 PM

Quant Time: Apr 20 08:23:08 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	24878	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	91661	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	47176	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	102335	5.00	ng	0.00
19) Chrysene-d12	21.19	240	84055	5.00	ng	0.00
25) Perylene-d12	23.36	264	79139	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	3725	0.78	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	11334	0.73	ng	0.00
21) Terphenyl-d14	19.63	244	8477	0.76	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	1659	0.59	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1372	0.52	ng	# 95
6) Naphthalene	10.41	128	16426	0.75	ng	99
7) 2-Methylnaphthalene	12.04	142	10082	0.71	ng	97
10) Acenaphthylene	13.95	152	21408	1.03	ng	98
11) Acenaphthene	14.29	154	10488	0.72	ng	98
12) Fluorene	15.30	166	12986	0.77	ng	99
14) Hexachlorobenzene	16.31	284	3915	0.69	ng	# 100
15) Pentachlorophenol	16.64	266	1876	1.18	ng	98
16) Phenanthrene	17.03	178	33556	1.24	ng	100
17) Anthracene	17.11	178	23724m	0.95	ng	
18) Fluoranthene	19.05	202	63122	2.23	ng	100
20) Pyrene	19.42	202	62396	2.24	ng	97
22) Benzo(a)anthracene	21.17	228	42286	1.74	ng	96
23) Chrysene	21.22	228	40965	1.60	ng	98
24) Indeno(1,2,3-cd)pyrene	25.53	276	34913	1.33	ng	97
26) Benzo(b)fluoranthene	22.71	252	51111	2.01	ng	96
27) Benzo(k)fluoranthene	22.74	252	25754m	1.06	ng	
28) Benzo(a)pyrene	23.25	252	37610	1.73	ng	96
29) Dibenzo(a,h)anthracene	25.54	278	18465	0.86	ng	96
30) Benzo(g,h,i)perylene	26.18	276	33290	1.43	ng	99

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

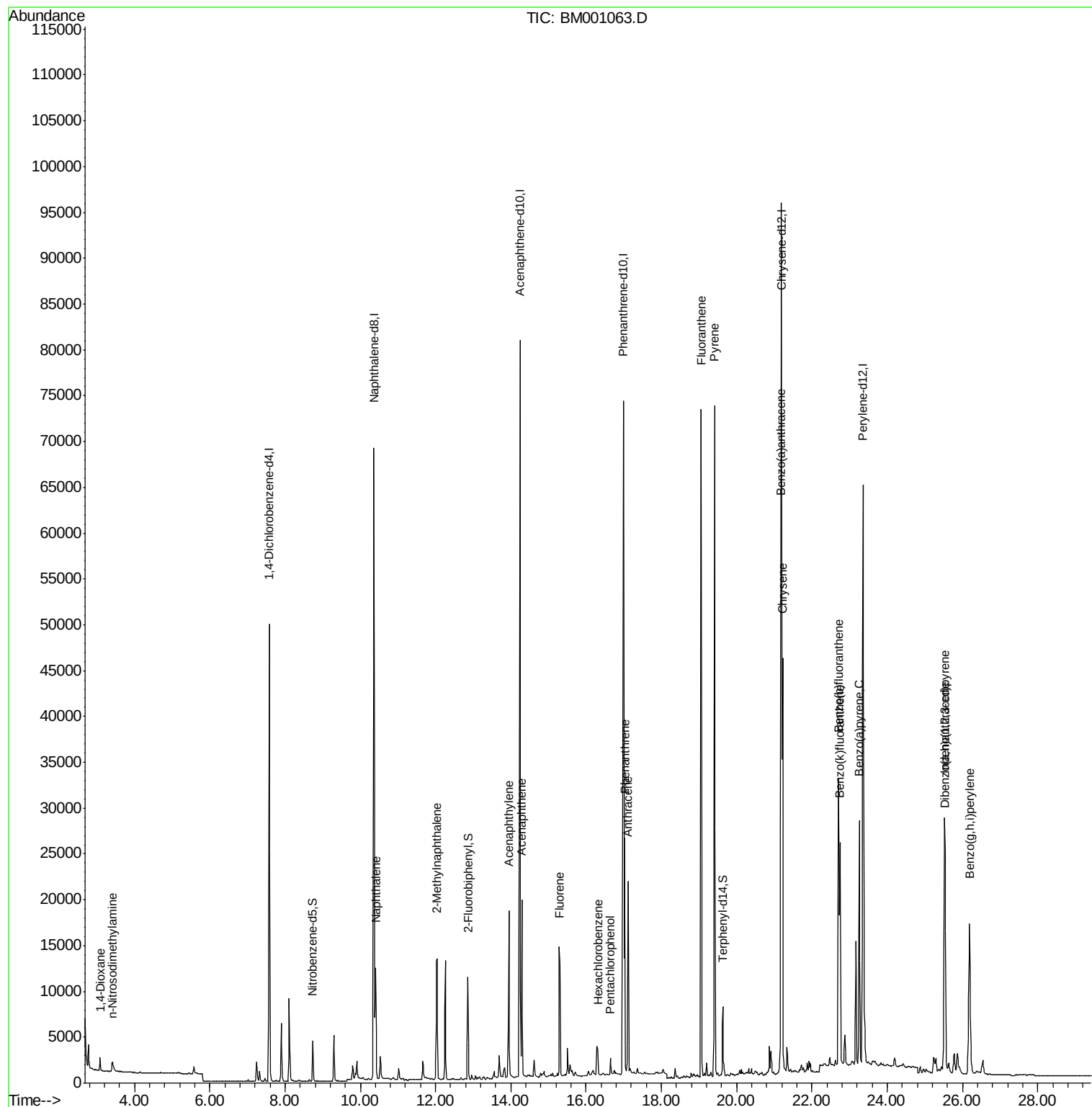
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
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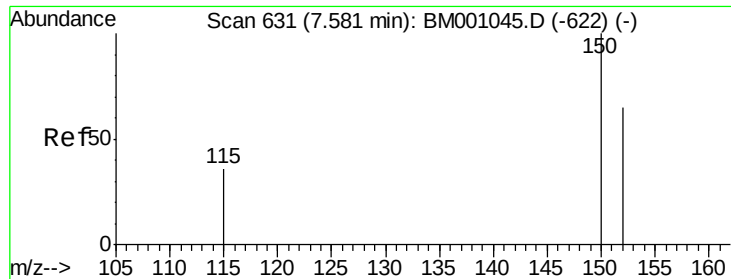
Instrument :
BNA_M
ClientSampleId :
SP-D6MS

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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: BM001063.D

Acq: 18 Apr 2015 16:59

Instrument :

BNA_M

ClientSampleId :

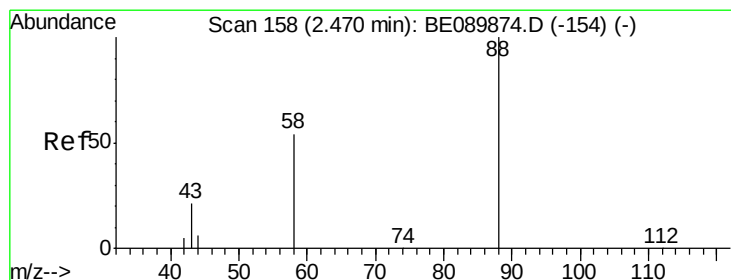
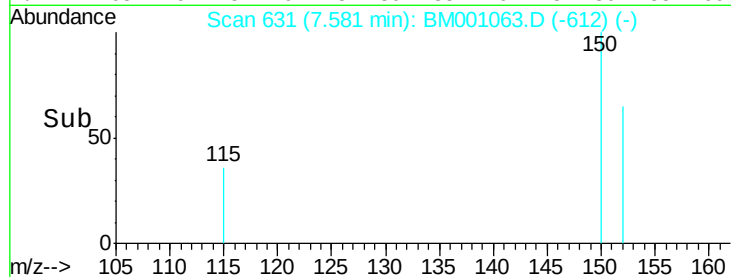
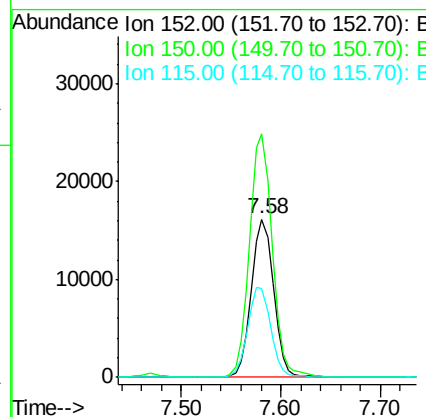
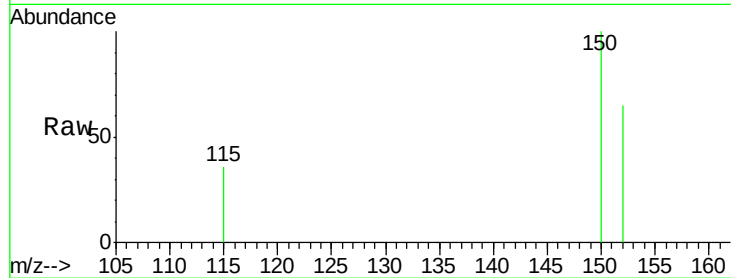
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Tot Ion:	152	Resp:	24878
Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.3	184.9
115	56.0	45.0	67.6



#2

1,4-Dioxane

Concen: 0.59 ng

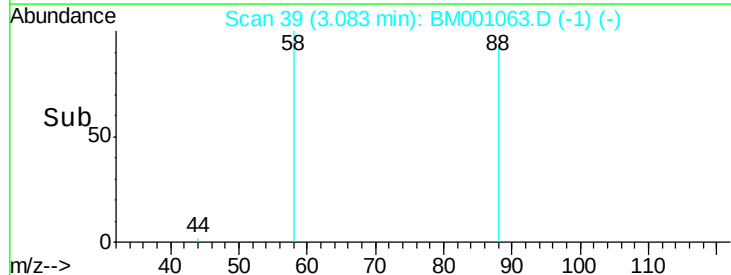
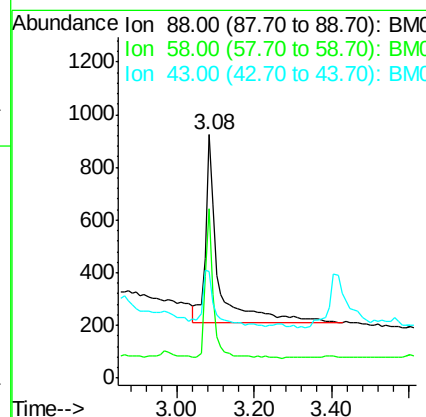
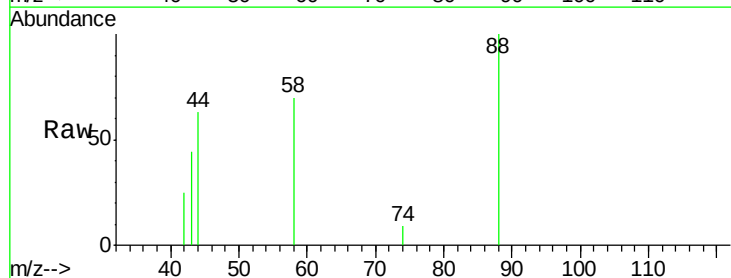
RT: 3.08 min Scan# 39

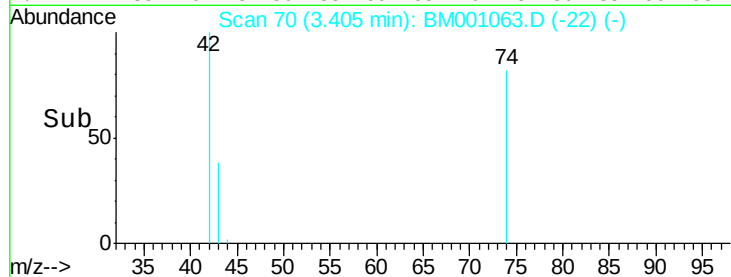
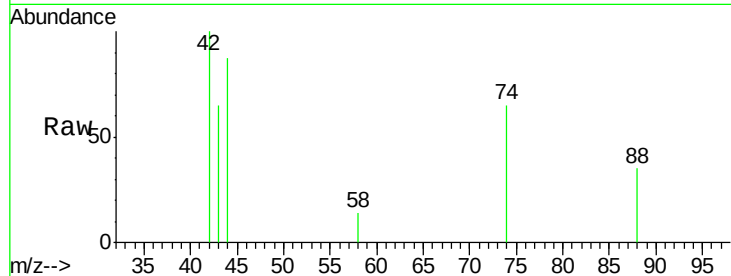
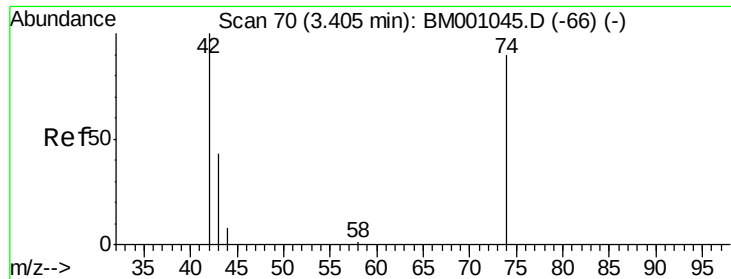
Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Tgt Ion:	88	Resp:	1659
Ion	Ratio	Lower	Upper
88	100		
58	49.2	0.0	0.0#
43	28.8	0.0	0.0#





#3

n-Nitrosodimethylamine

Concen: 0.52 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Tot Ion:	42	Resp:	1372
Ion Ratio	Lower	Upper	
42	100		
74	119.9	92.1	138.1
44	9.2	5.8	8.6#

Instrument :

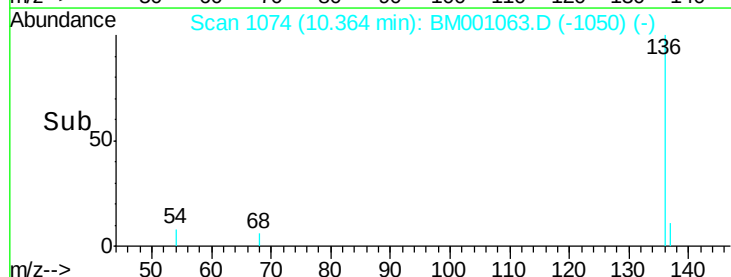
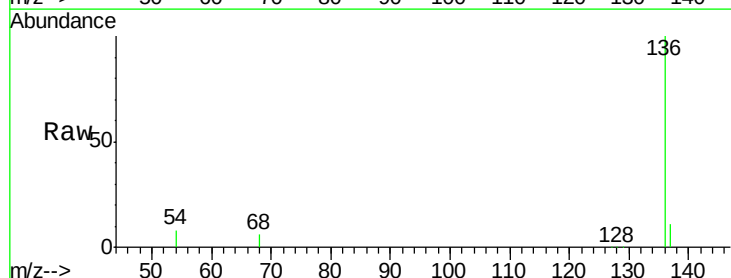
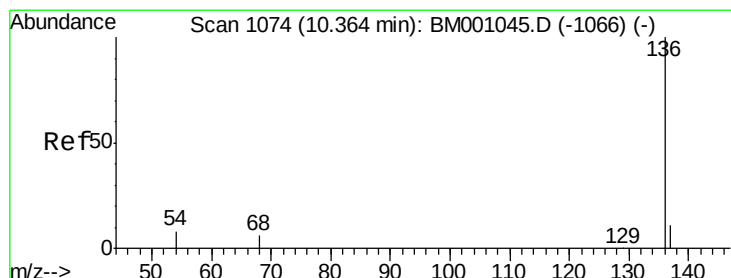
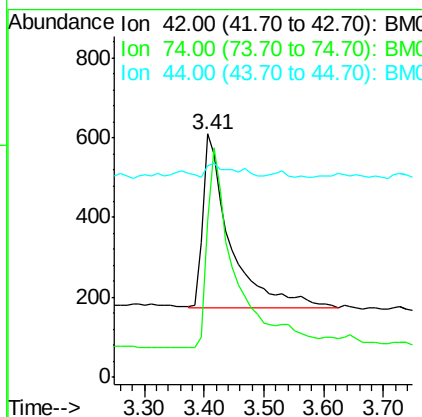
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#4

Naphthalene-d8

Concen: 5.00 ng

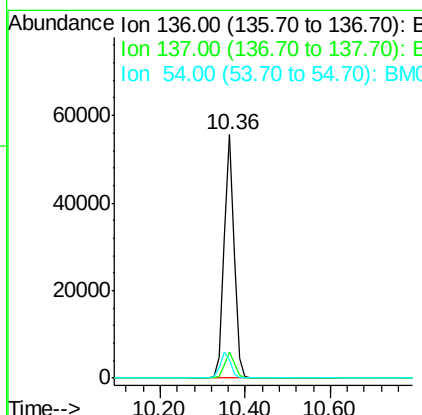
RT: 10.36 min Scan# 1074

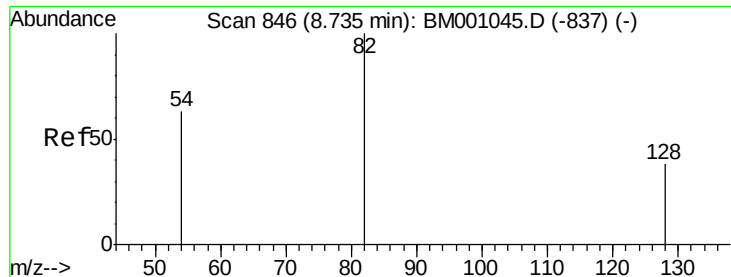
Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Tgt Ion:	136	Resp:	91661
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	7.8	6.5	9.7





#5

Nitrobenzene-d5

Concen: 0.78 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Instrument :

BNA_M

ClientSampleId :

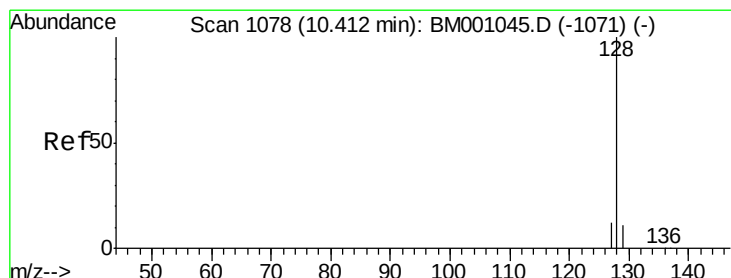
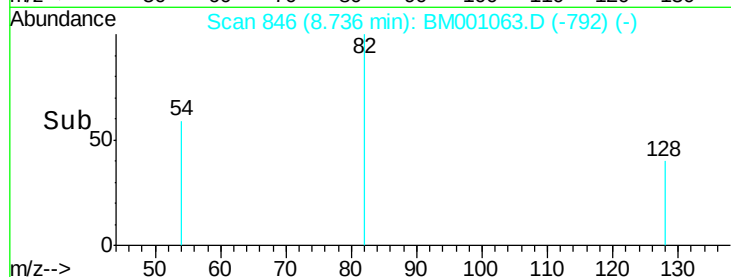
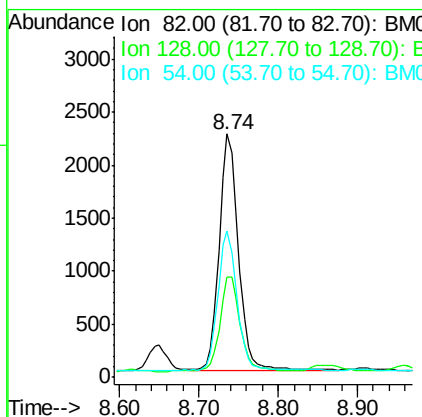
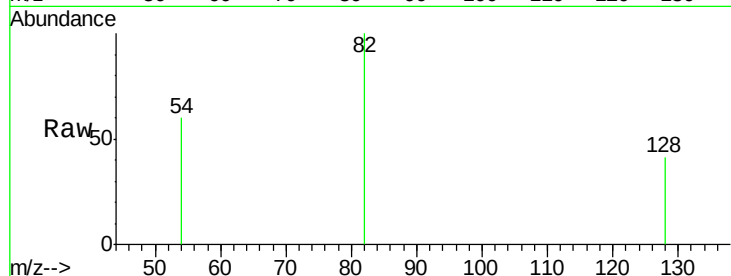
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Tot Ion	82	Resp	3725
Ion	Ratio	Lower	Upper
82	100		
128	40.9	31.9	47.9
54	60.0	51.3	76.9



#6

Naphthalene

Concen: 0.75 ng

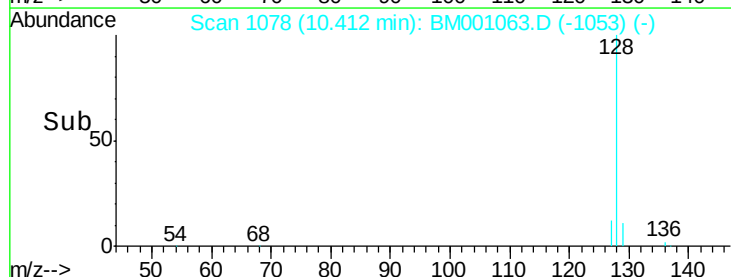
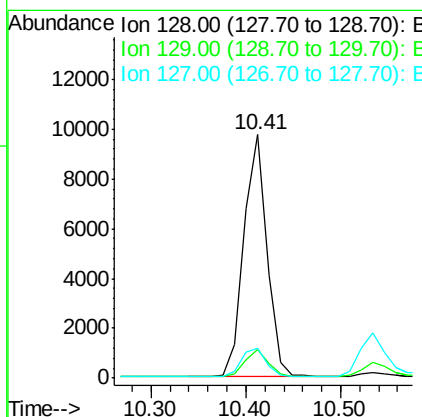
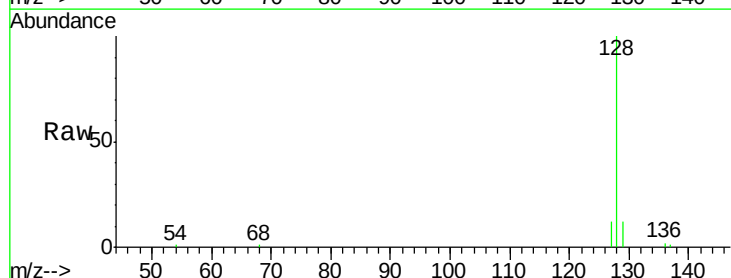
RT: 10.41 min Scan# 1078

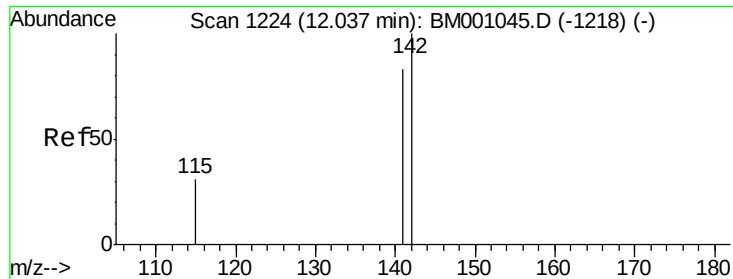
Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Tgt Ion	128	Resp	16426
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.3	13.9
127	12.3	10.0	15.0





#7

2-Methylnaphthalene

Concen: 0.71 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Instrument :

BNA_M

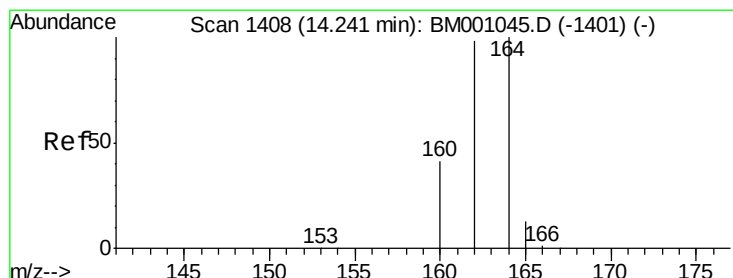
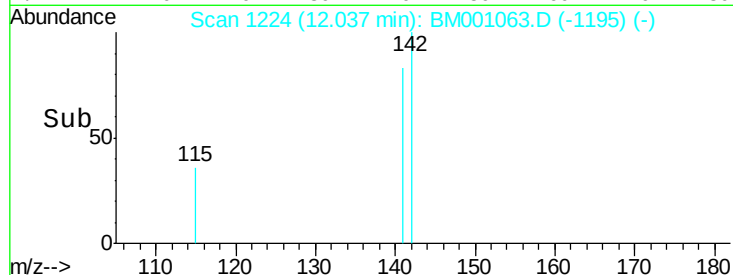
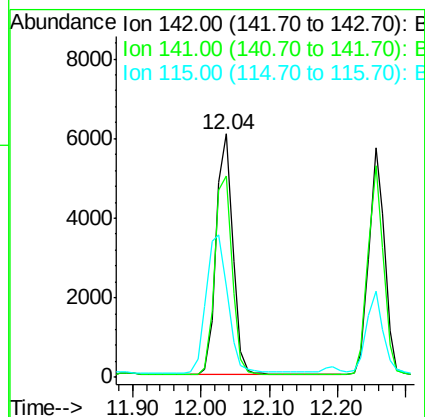
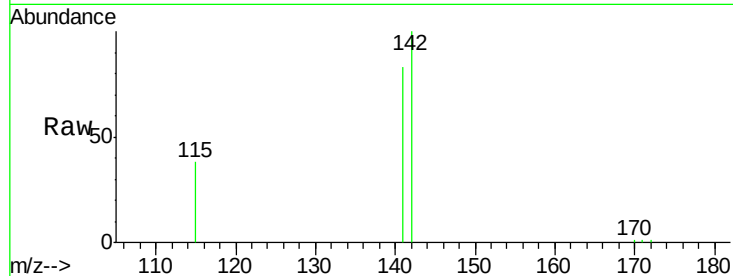
ClientSampleId :

SP-D6MS

Tot Ion:	142	Resp:	10082
Ion Ratio	Lower	Upper	
142	100		
141	82.8	66.7	100.1
115	37.5	25.5	38.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

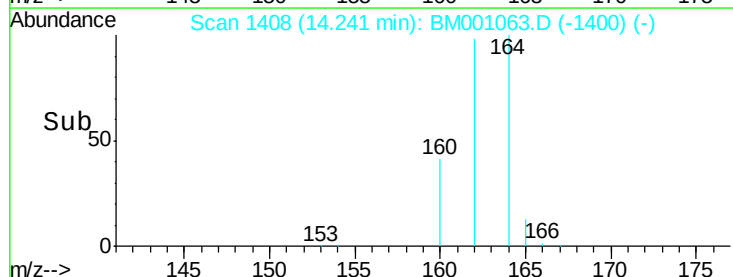
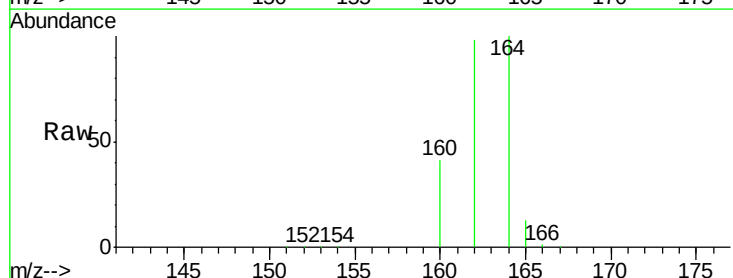
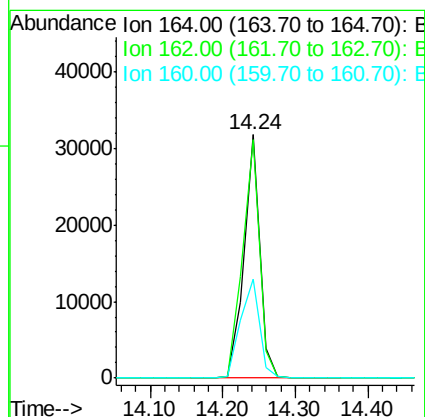
RT: 14.24 min Scan# 1408

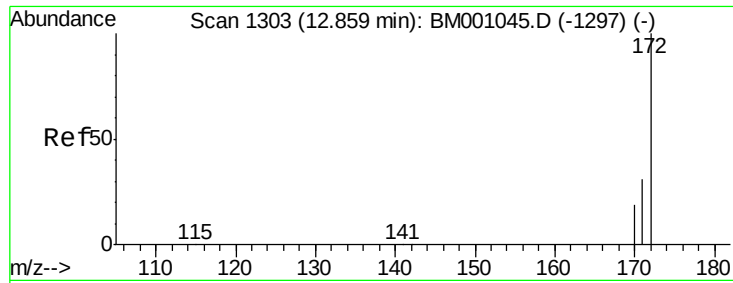
Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Tgt Ion:	164	Resp:	47176
Ion Ratio	Lower	Upper	
164	100		
162	97.9	78.5	117.7
160	40.9	32.9	49.3





#9

2-Fluorobiphenyl

Concen: 0.73 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Instrument :

BNA_M

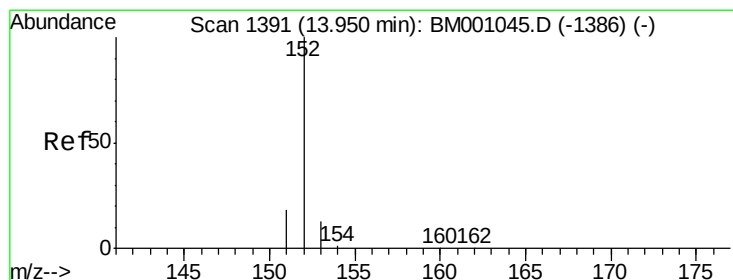
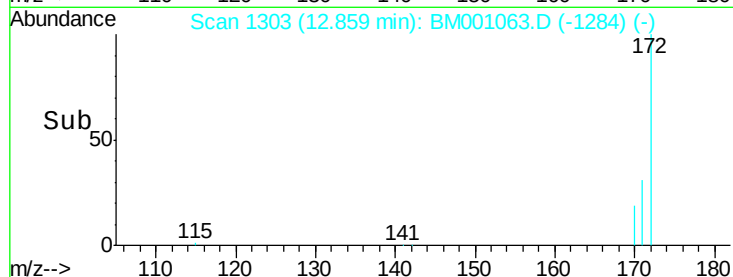
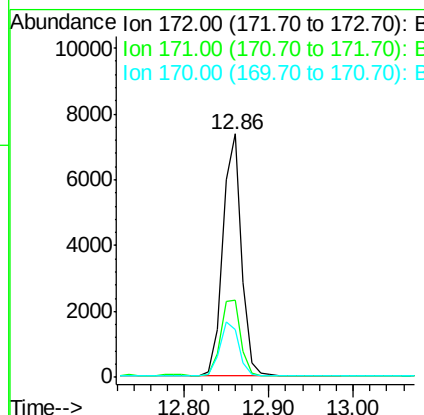
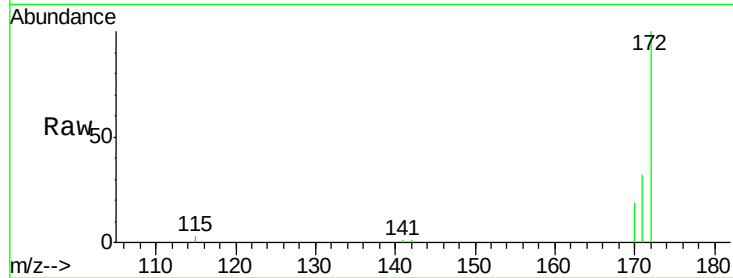
ClientSampleId :

SP-D6MS

Tot Ion:	172	Resp:	11334
Ion Ratio	Lower	Upper	
172	100		
171	31.8	25.6	38.4
170	19.4	15.8	23.6

Manual Integrations
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#10

Acenaphthylene

Concen: 1.03 ng

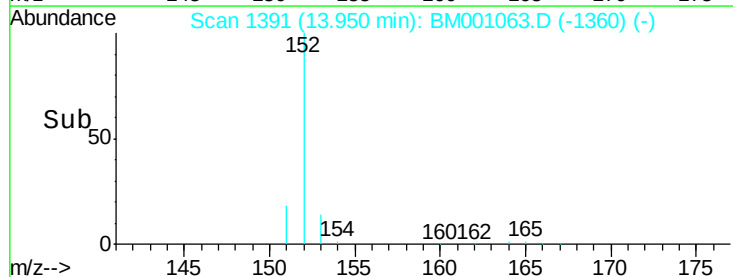
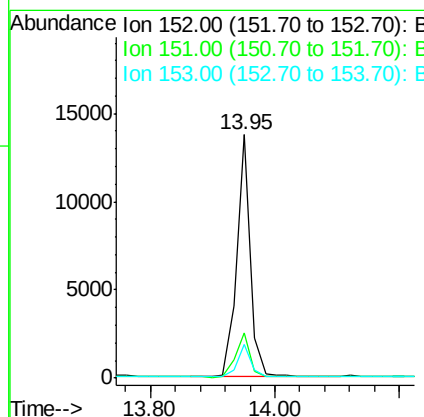
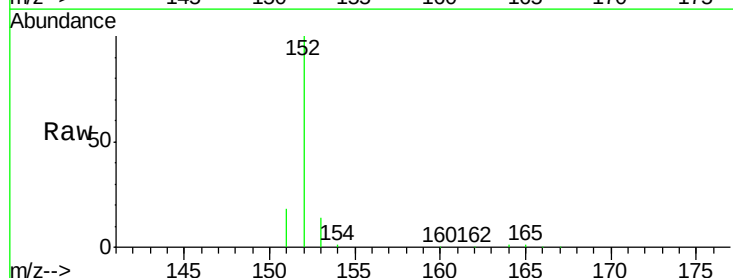
RT: 13.95 min Scan# 1391

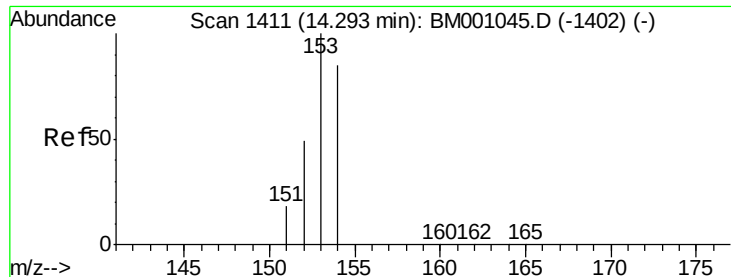
Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Tgt Ion:	152	Resp:	21408
Ion Ratio	Lower	Upper	
152	100		
151	18.8	14.7	22.1
153	13.6	10.2	15.2





#11

Acenaphthene

Concen: 0.72 ng

RT: 14.29 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Instrument :

BNA_M

ClientSampled :

SP-D6MS

Tot Ion:154 Resp: 10488

Ion Ratio Lower Upper

154 100

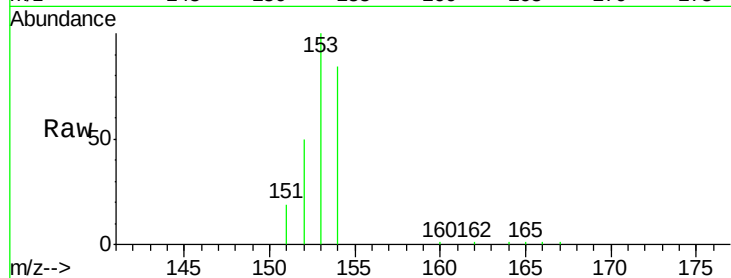
153 108.4 88.1 132.1

152 51.8 42.3 63.5

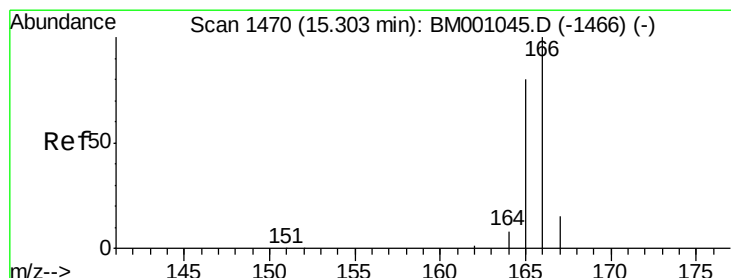
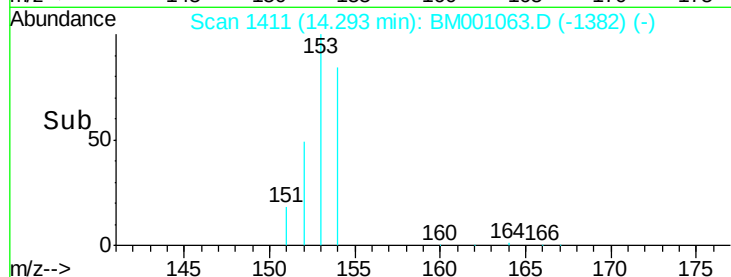
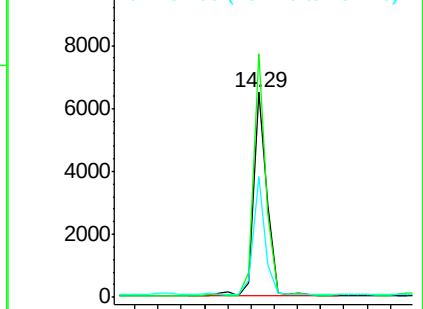
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.77 ng

RT: 15.30 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

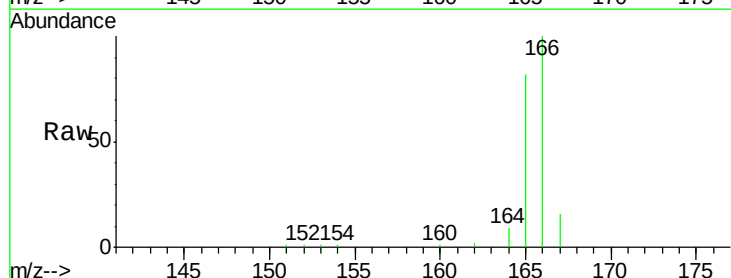
Tgt Ion:166 Resp: 12986

Ion Ratio Lower Upper

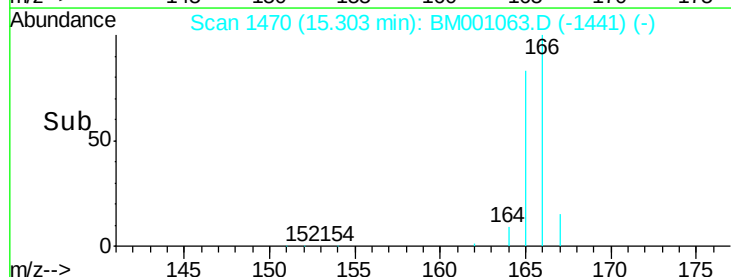
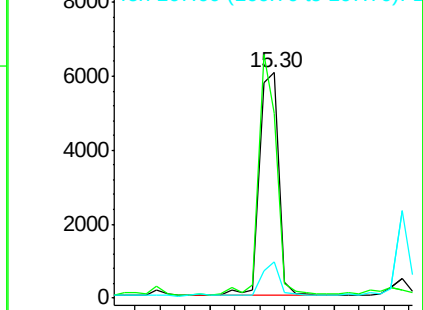
166 100

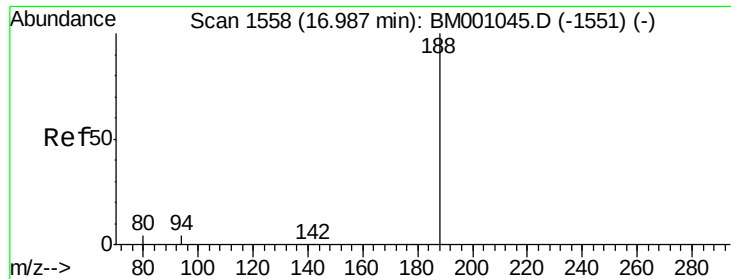
165 98.5 77.6 116.4

167 13.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





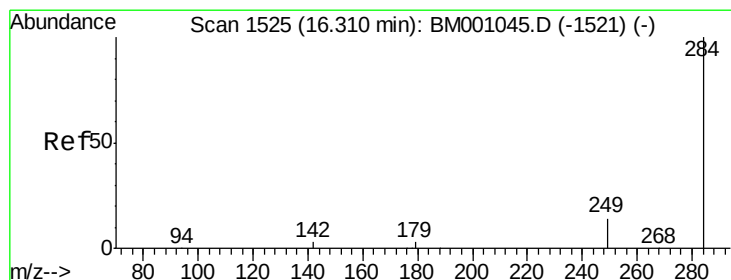
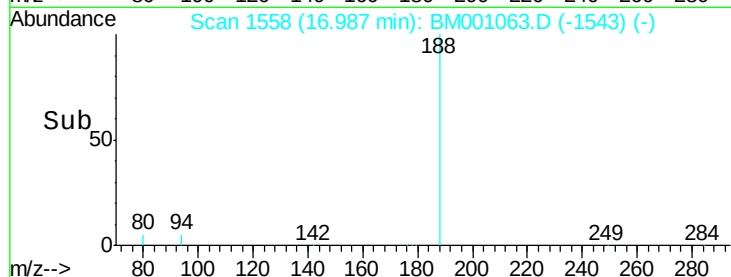
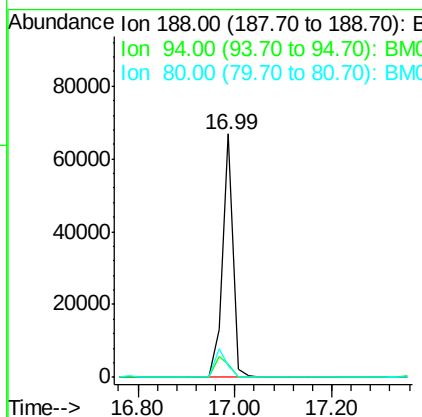
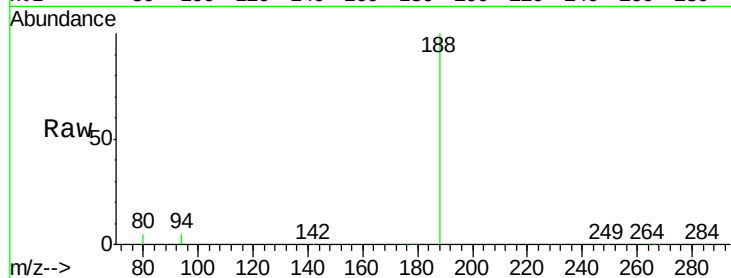
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Instrument :
BNA_M
ClientSampleId :
SP-D6MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.4	3.6	5.4
80	4.7	3.0	4.6

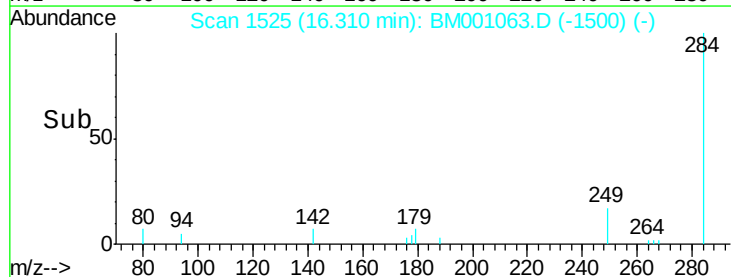
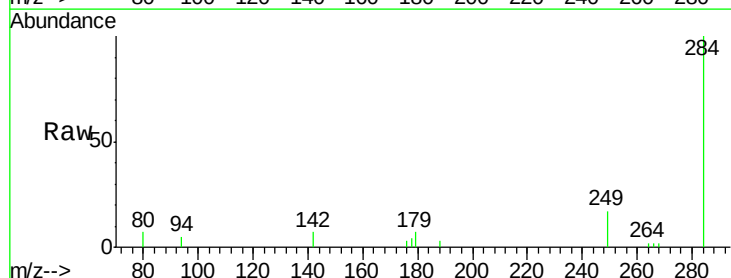
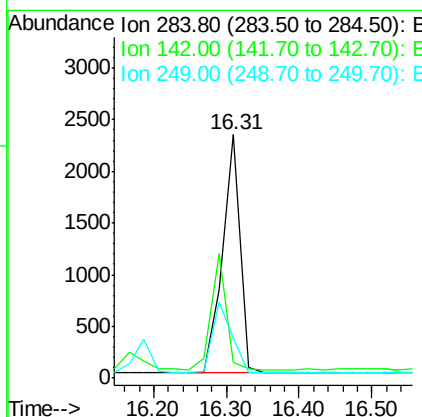
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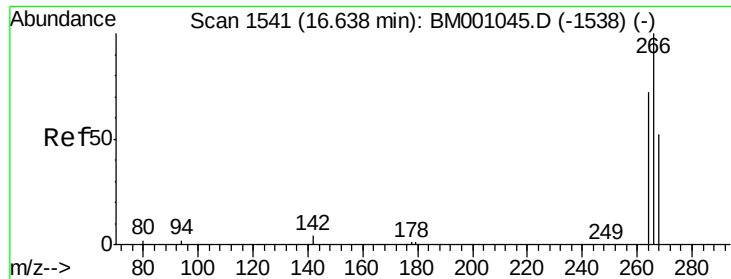
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#14
Hexachlorobenzene
Concen: 0.69 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Resp Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0





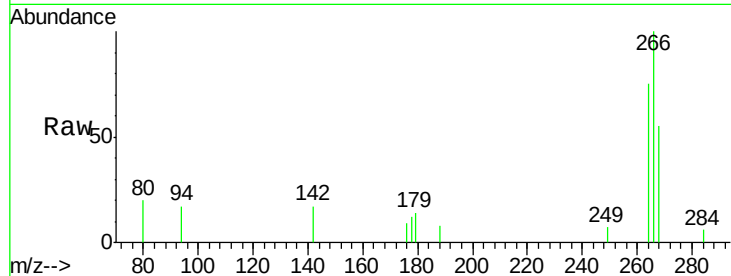
#15
 Pentachlorophenol
 Concen: 1.18 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MS

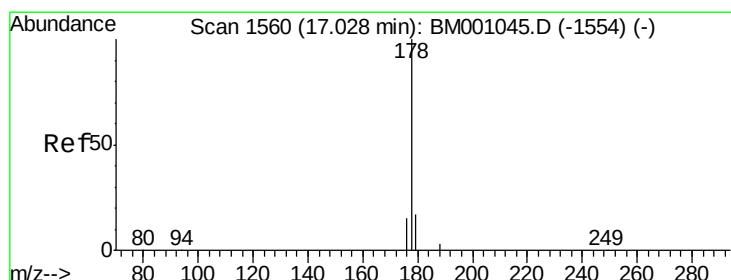
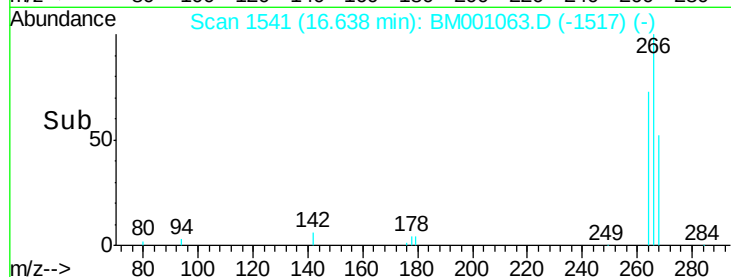
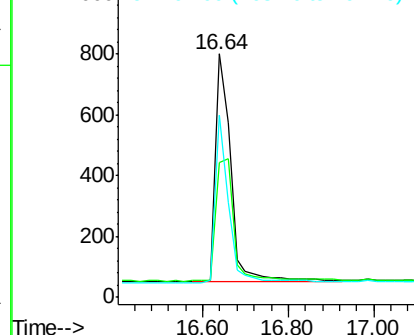
Tot Ion	Ratio	Lower	Upper
266	100		
268	55.1	46.3	69.5
264	74.6	59.8	89.6

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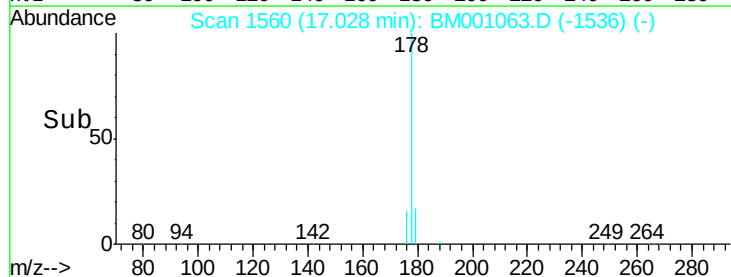
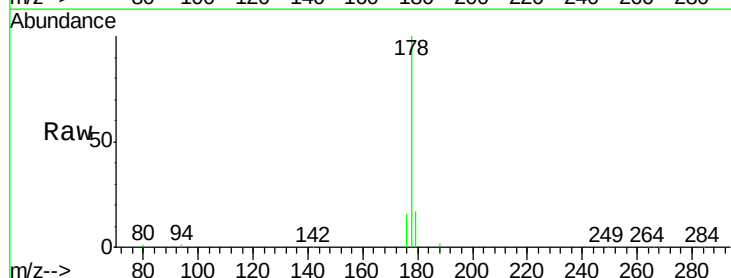
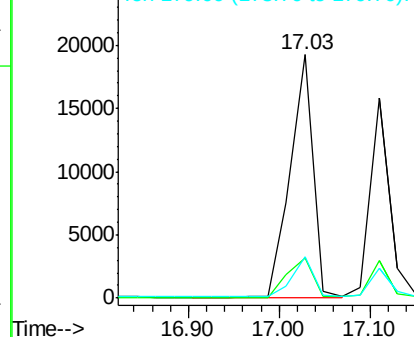
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

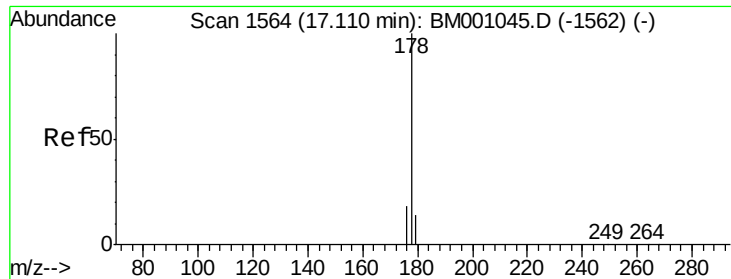


#16
 Phenanthrene
 Concen: 1.24 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	16.0	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





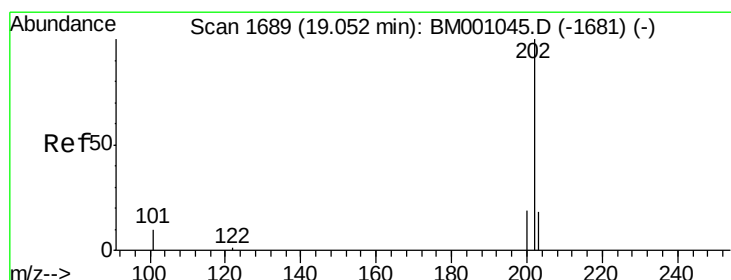
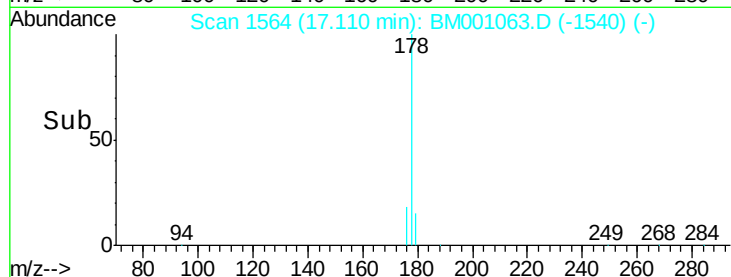
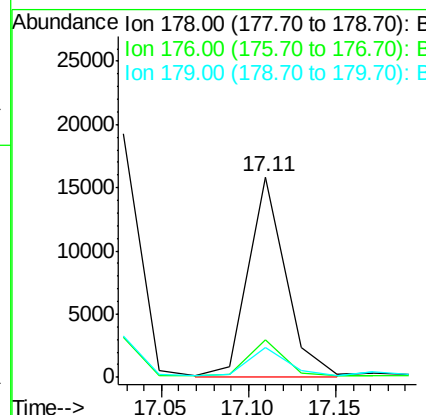
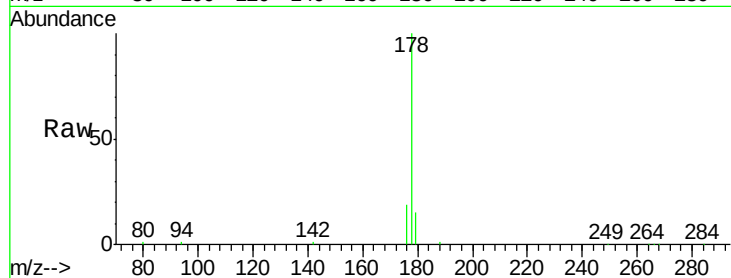
#17
 Anthracene
 Concen: 0.95 ng m
 RT: 17.11 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	26.1	14.3	21.5#
179	22.6	11.8	17.8#

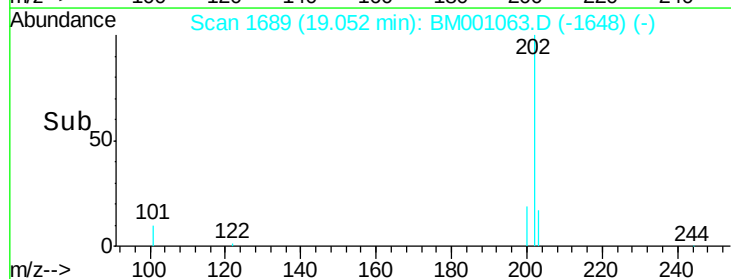
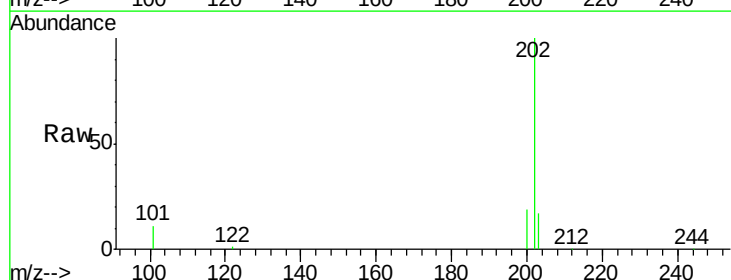
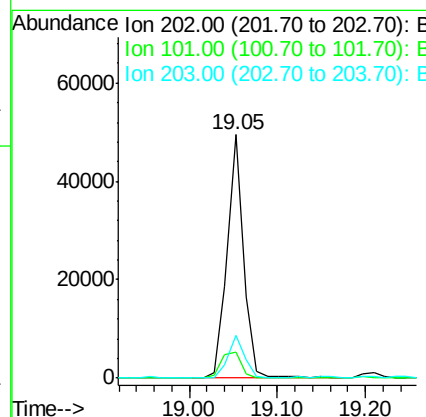
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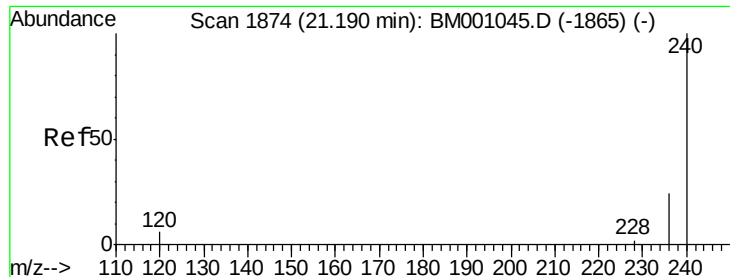
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#18
 Fluoranthene
 Concen: 2.23 ng
 RT: 19.05 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.1	15.1
203	17.3	13.8	20.8





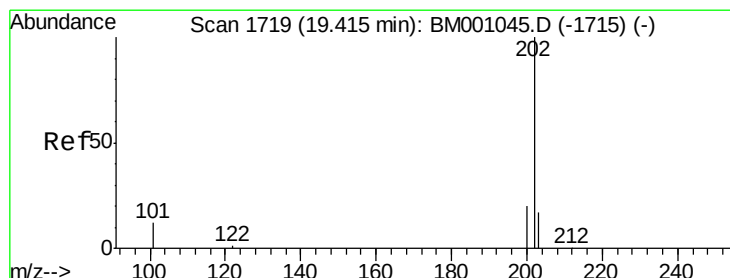
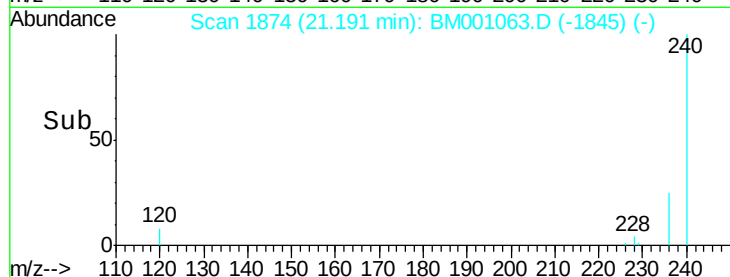
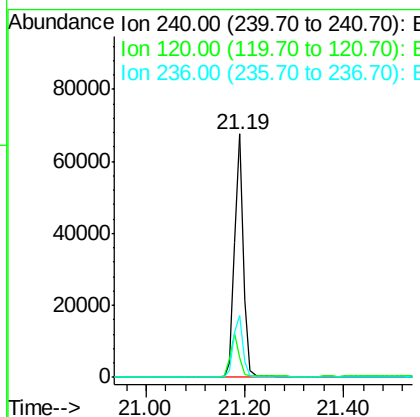
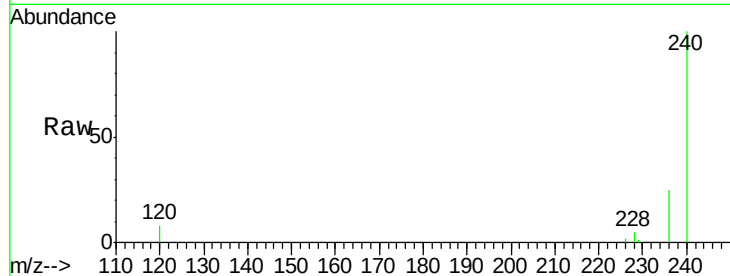
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Instrument :
BNA_M
ClientSampleId :
SP-D6MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.1	4.6	6.8#
236	25.4	19.1	28.7

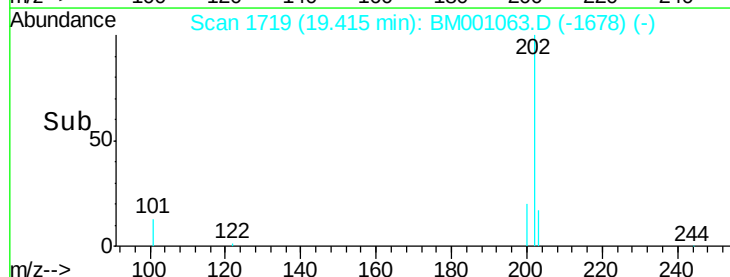
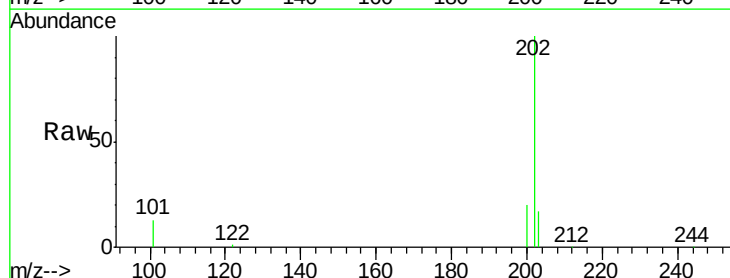
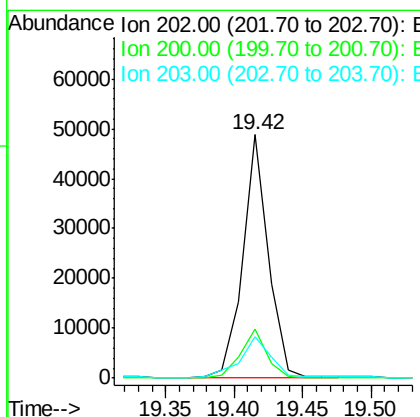
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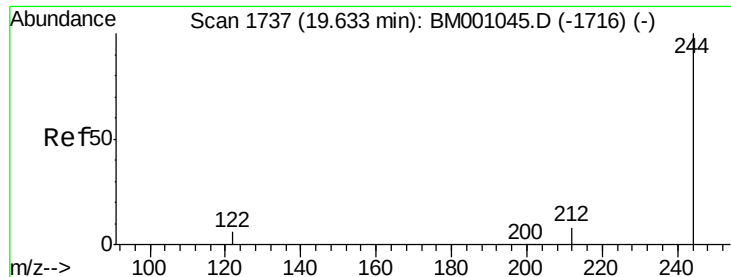
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#20
Pyrene
Concen: 2.24 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	20.4	13.8	20.6





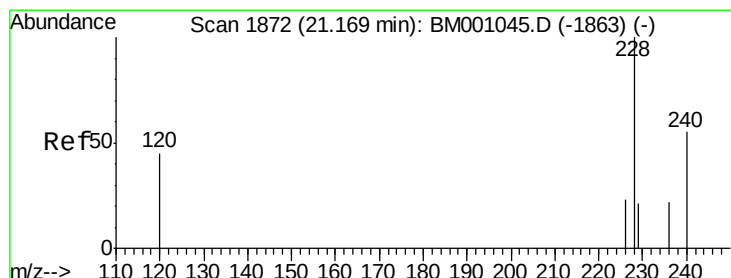
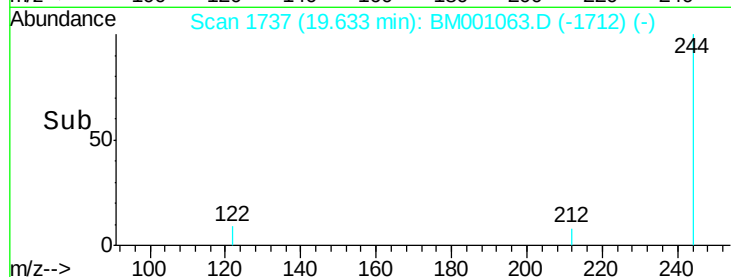
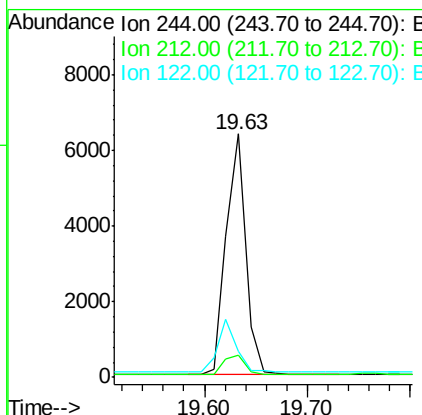
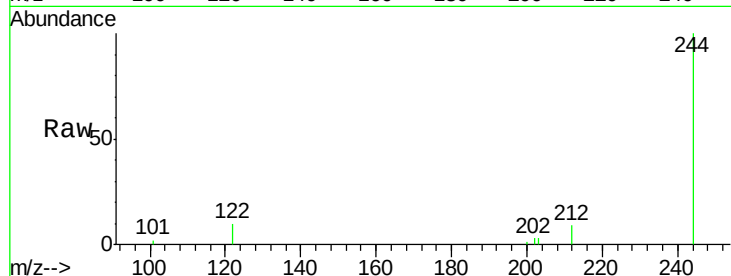
#21
 Terphenyl-d14
 Concen: 0.76 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.1	10.7
122	10.5	5.9	8.9

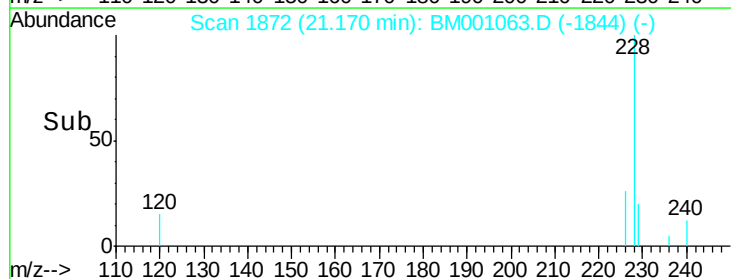
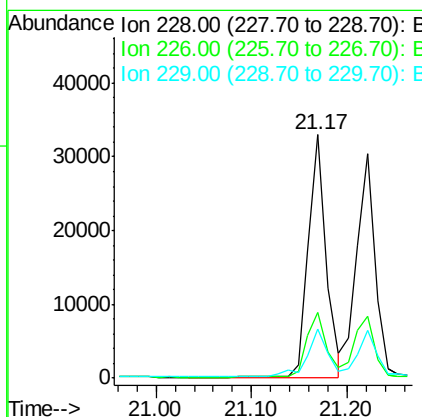
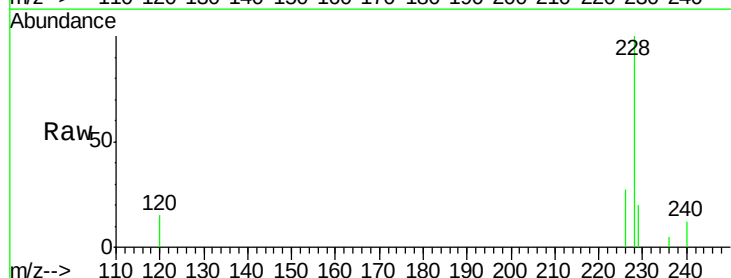
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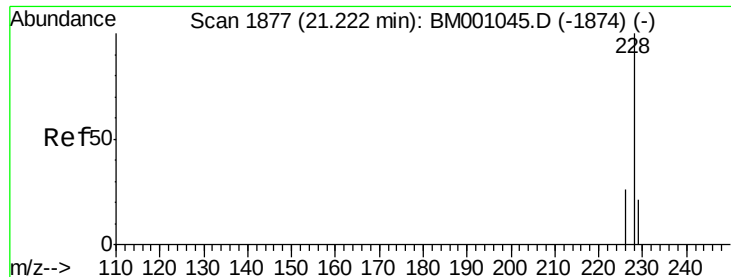
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#22
 Benzo(a)anthracene
 Concen: 1.74 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001063.D
 Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	19.0	28.6
229	20.3	16.8	25.2





#23

Chrysene

Concen: 1.60 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Instrument :

BNA_M

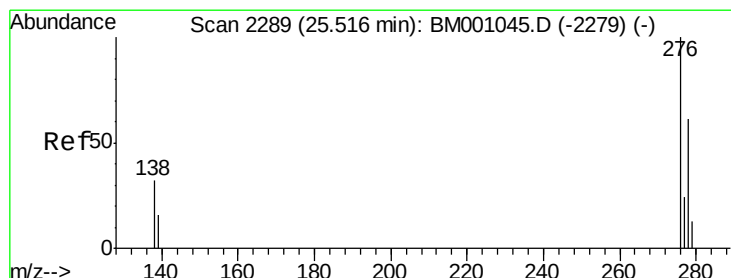
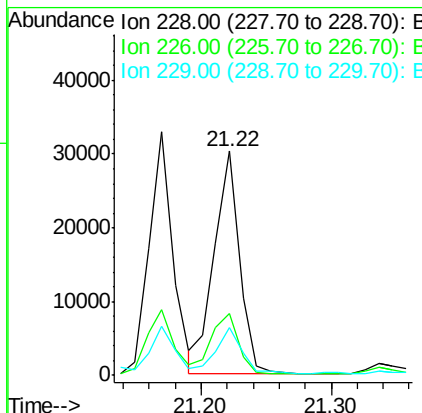
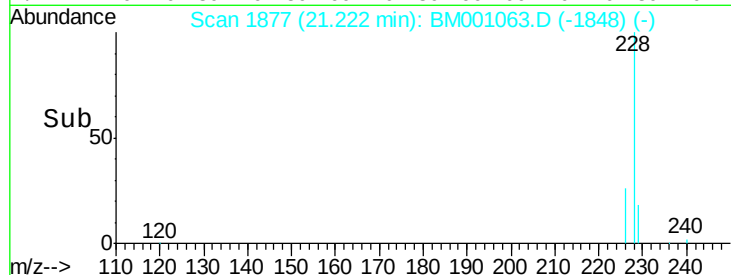
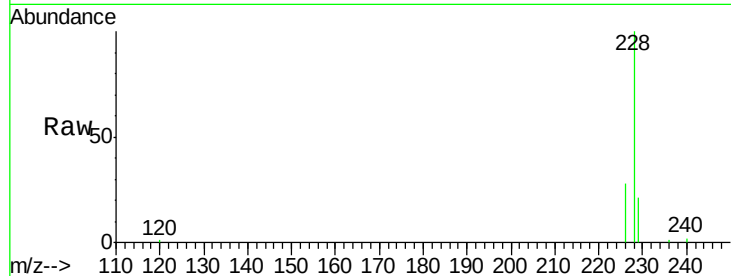
ClientSampleId :

SP-D6MS

Tot Ion:	228	Resp:	40965
Ion Ratio	Lower	Upper	
228	100		
226	27.7	20.6	31.0
229	21.2	17.2	25.8

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#24

Indeno(1,2,3-cd)pyrene

Concen: 1.33 ng

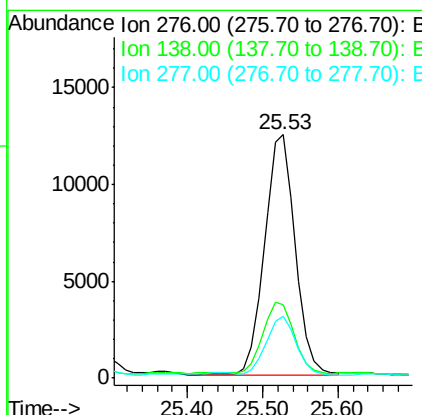
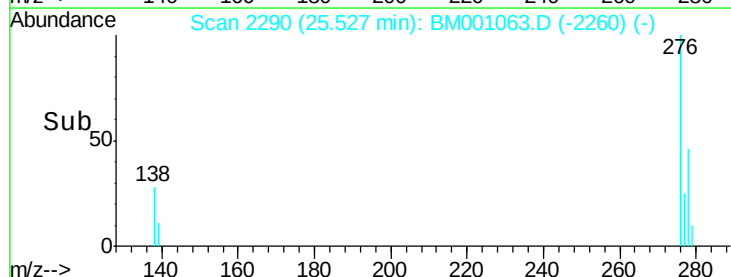
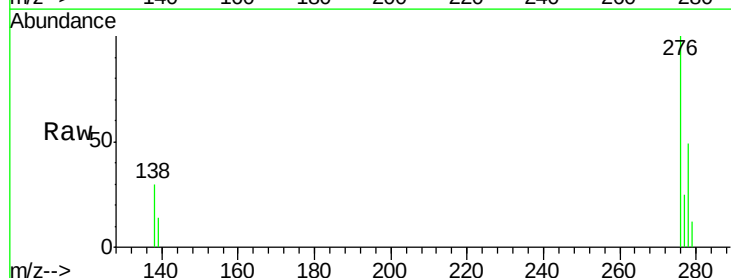
RT: 25.53 min Scan# 2290

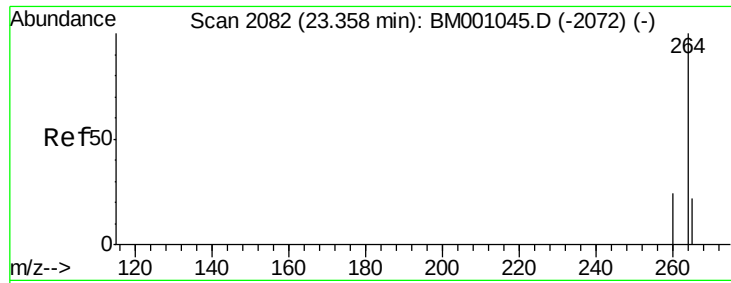
Delta R.T. 0.01 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Tgt Ion:	276	Resp:	34913
Ion Ratio	Lower	Upper	
276	100		
138	29.8	26.3	39.5
277	24.1	19.5	29.3





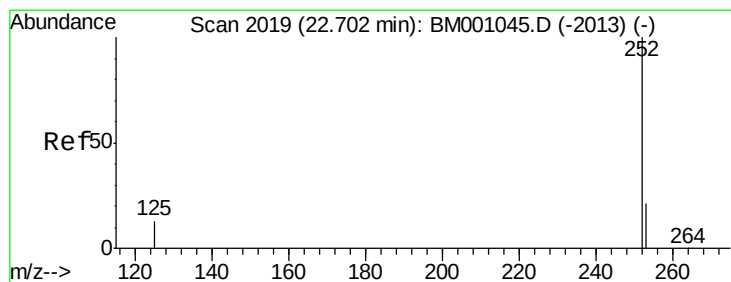
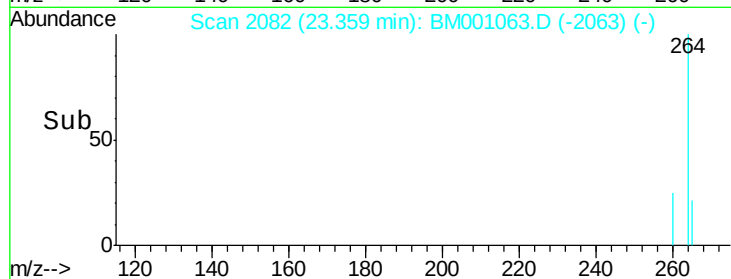
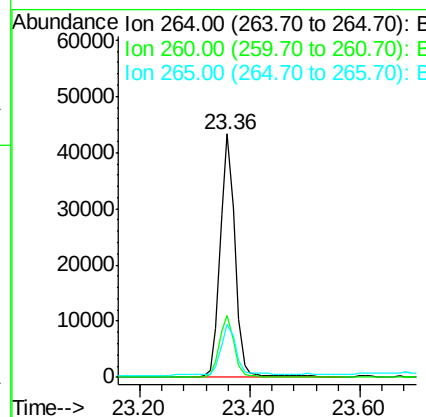
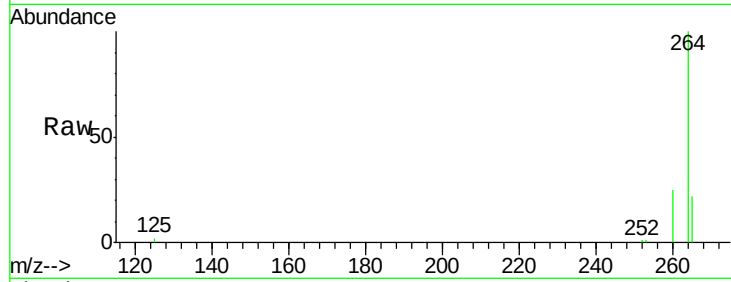
#25
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Instrument :
BNA_M
ClientSampleId :
SP-D6MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.0	28.6
265	21.6	17.9	26.9

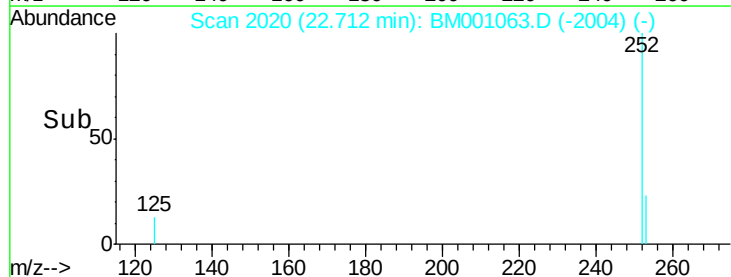
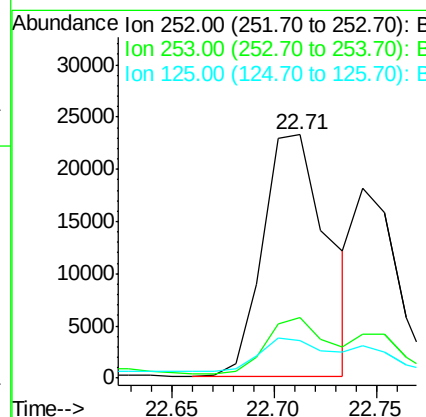
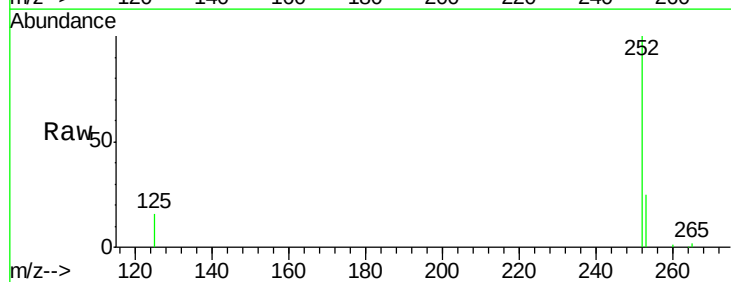
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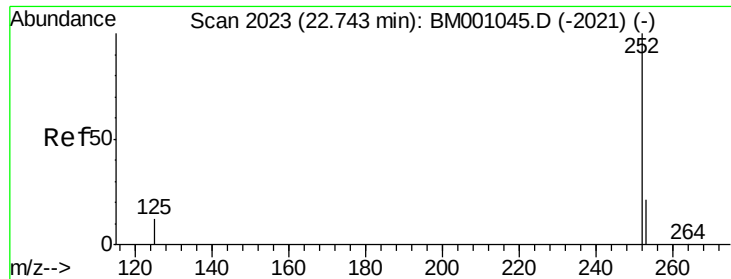
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#26
Benzo(b)fluoranthene
Concen: 2.01 ng
RT: 22.71 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	15.6	10.9	16.3





#27

Benzo(k)fluoranthene

Concen: 1.06 ng m

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Instrument :

BNA_M

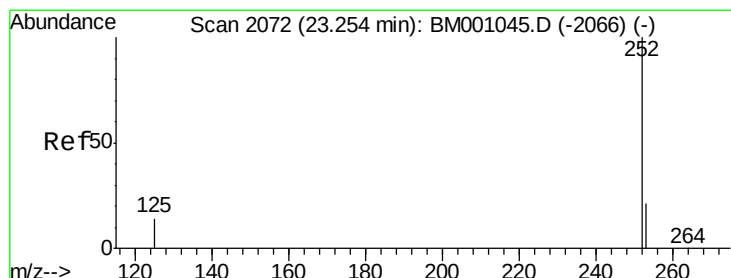
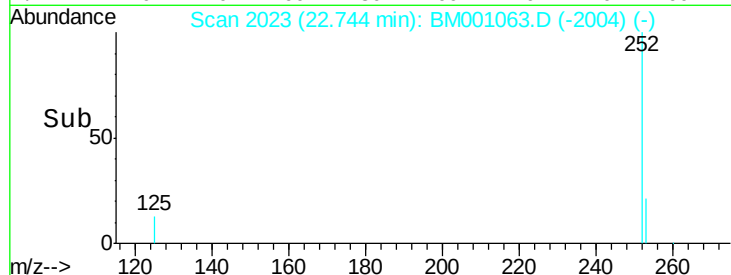
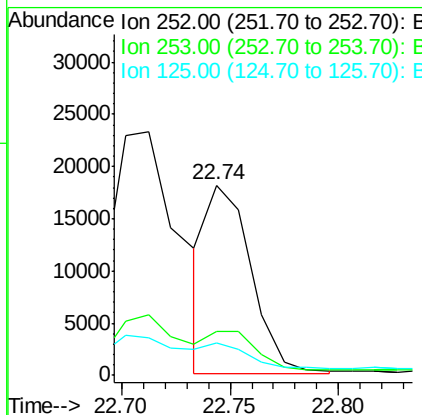
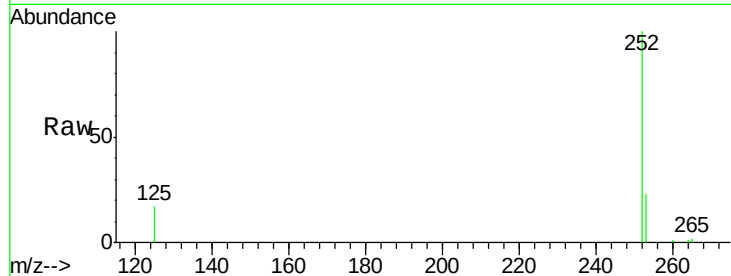
ClientSampleId :

SP-D6MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.3	27.5
125	17.0	10.6	15.8

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#28

Benzo(a)pyrene

Concen: 1.73 ng

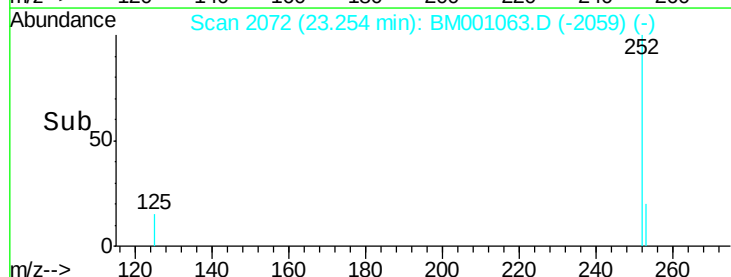
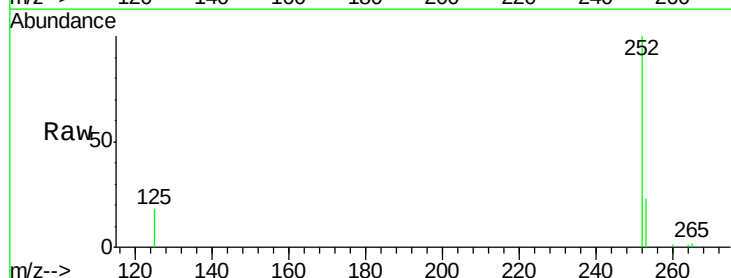
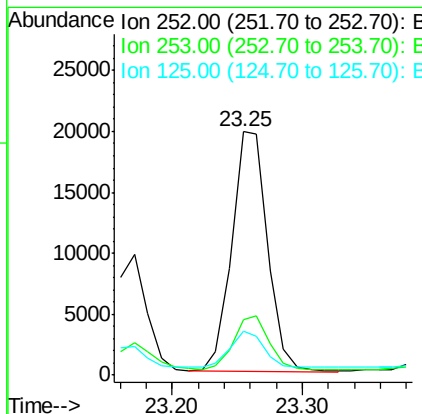
RT: 23.25 min Scan# 2072

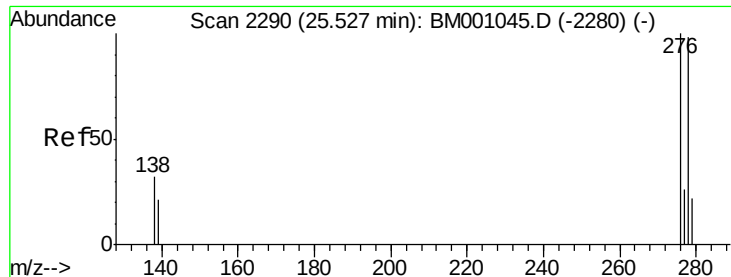
Delta R.T. 0.00 min

Lab File: BM001063.D

Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	17.9	11.9	17.9





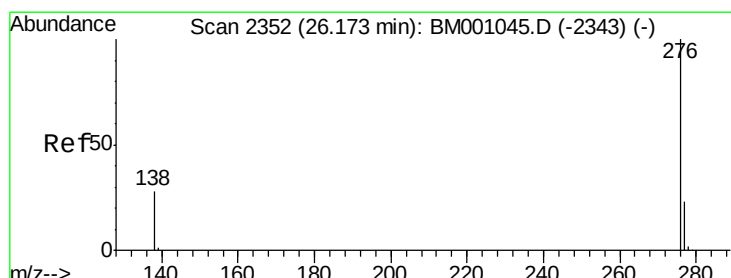
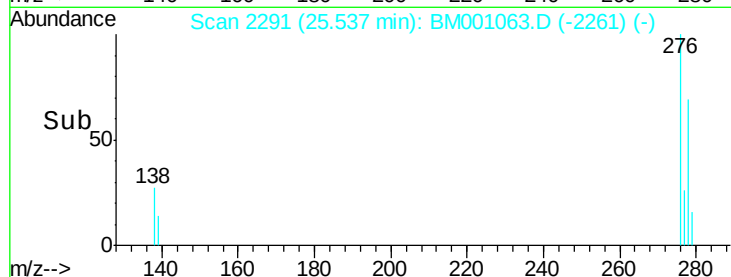
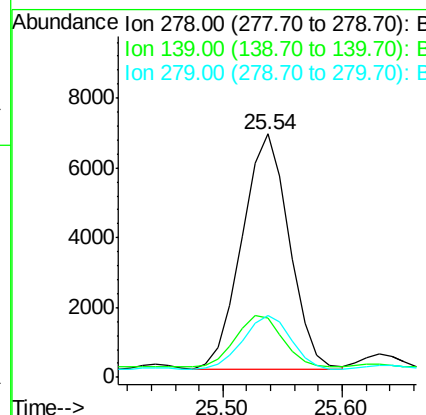
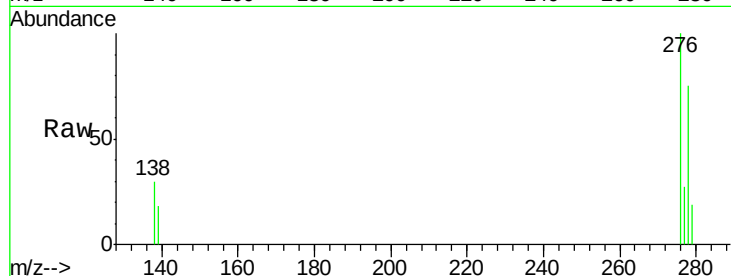
#29
Dibenzo(a,h)anthracene
Concen: 0.86 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Instrument :
BNA_M
ClientSampleId :
SP-D6MS

Tot Ion	Ratio	Resp	Lower	Upper
278	100			
139	24.6	18.2	27.2	
279	25.5	19.1	28.7	

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#30
Benzo(g,h,i)perylene
Concen: 1.43 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001063.D
Acq: 18 Apr 2015 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
277	23.9	19.0	28.4	
138	30.5	23.4	35.2	

