

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001049.D
 Acq On : 18 Apr 2015 07:26
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM041815

Manual Integrations
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Quant Time: Apr 20 15:57:34 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	17572	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	62550	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	33191	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	73366	5.00	ng	0.00
19) Chrysene-d12	21.19	240	62711	5.00	ng	0.00
25) Perylene-d12	23.36	264	55791	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	3337	1.02	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	10739	0.98	ng	0.00
21) Terphenyl-d14	19.63	244	8163	0.98	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	1741m	0.88	ng	
3) n-Nitrosodimethylamine	3.41	42	1775	0.96	ng	96
6) Naphthalene	10.41	128	14673	0.98	ng	99
7) 2-Methylnaphthalene	12.04	142	9523	0.99	ng	99
10) Acenaphthylene	13.95	152	14502	0.99	ng	100
11) Acenaphthene	14.29	154	9596	0.93	ng	99
12) Fluorene	15.29	166	11770	1.00	ng	100
14) Hexachlorobenzene	16.31	284	3933	0.97	ng	# 100
15) Pentachlorophenol	16.64	266	777	0.80	ng	96
16) Phenanthrene	17.03	178	18715	0.96	ng	100
17) Anthracene	17.11	178	17613	0.98	ng	100
18) Fluoranthene	19.05	202	19891	0.98	ng	100
20) Pyrene	19.42	202	20704	1.00	ng	100
22) Benzo(a)anthracene	21.17	228	17662	0.97	ng	99
23) Chrysene	21.22	228	18765	0.98	ng	99
24) Indeno(1,2,3-cd)pyrene	25.52	276	19333	0.99	ng	100
26) Benzo(b)fluoranthene	22.70	252	17850	1.00	ng	99
27) Benzo(k)fluoranthene	22.74	252	17487	1.02	ng	99
28) Benzo(a)pyrene	23.25	252	15337	1.00	ng	99
29) Dibenzo(a,h)anthracene	25.53	278	15226	1.00	ng	100
30) Benzo(g,h,i)perylene	26.17	276	16224	0.99	ng	99

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

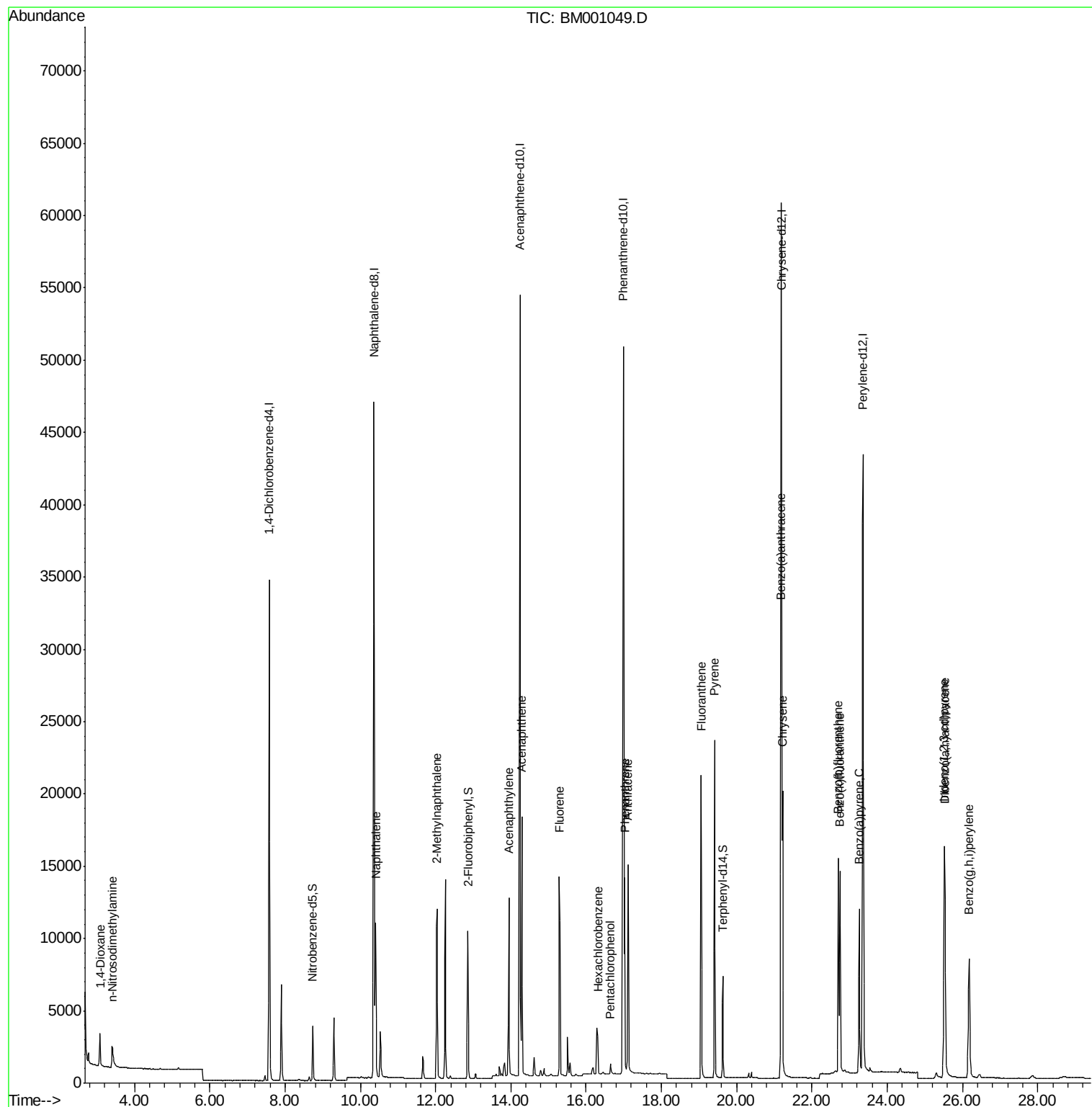
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
Data File : BM001049.D
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Sample : SSTDICV001
Misc :
ALS Vial : 22 Sample Multiplier: 1

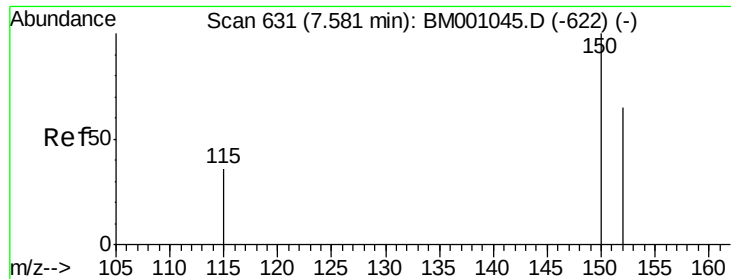
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Instrument :

BNA_M

ClientSampleId :

ICVBM041815

Tot Ion:152 Resp: 17572

Ion Ratio Lower Upper

152 100

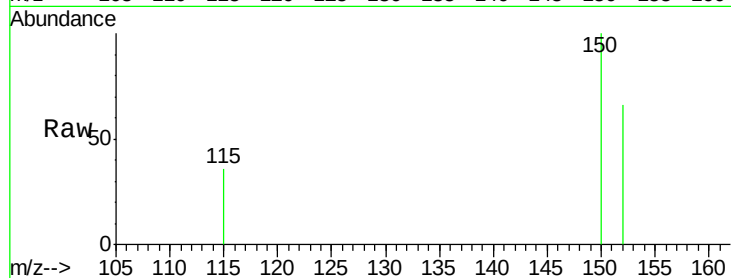
150 151.8 123.3 184.9

115 54.3 45.0 67.6

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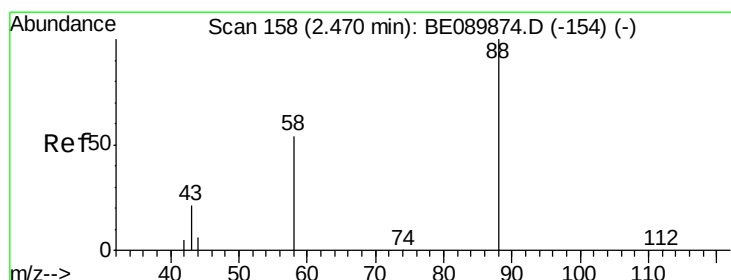
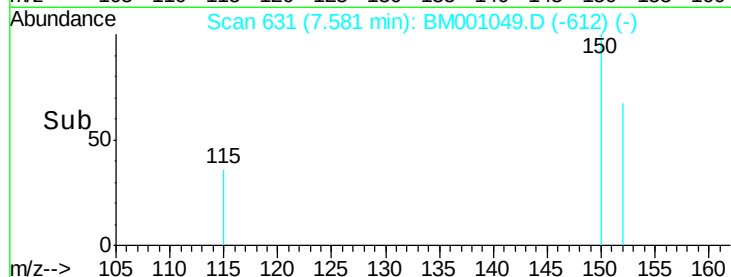
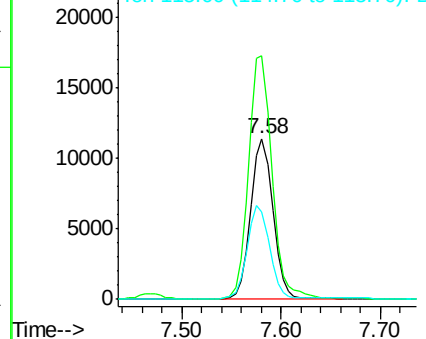
4/20/2015 4:34:00 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.88 ng m

RT: 3.08 min Scan# 39

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

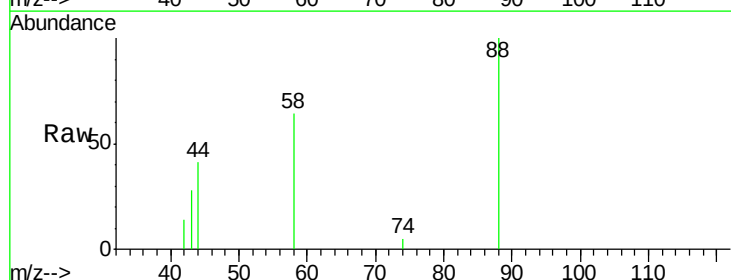
Tgt Ion: 88 Resp: 1741

Ion Ratio Lower Upper

88 100

58 79.8 0.0 0.0#

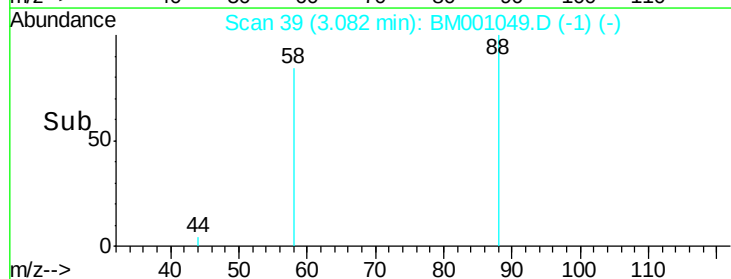
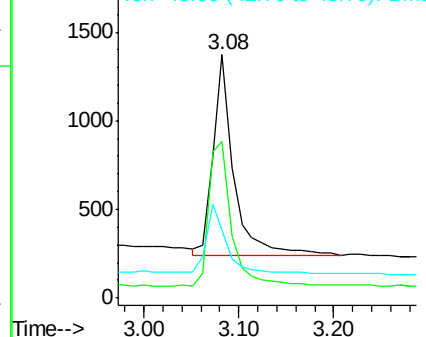
43 33.4 0.0 0.0#

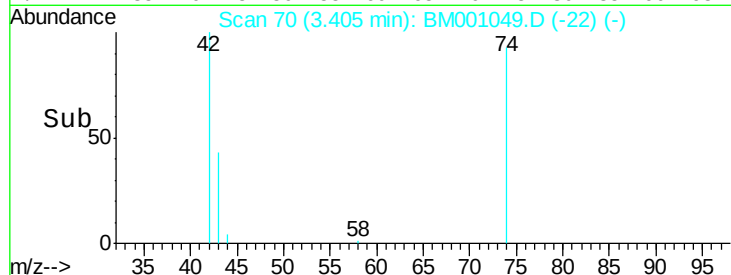
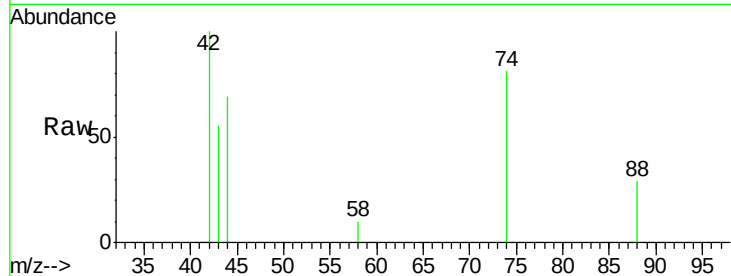
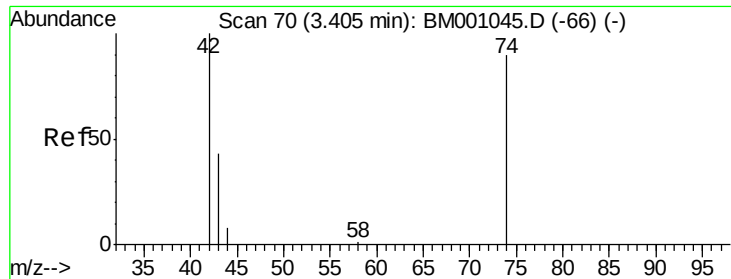


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.96 ng

RT: 3.41 min Scan# 70

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tot Ion:	42	Resp:	1775
Ion	Ratio	Lower	Upper
42	100		
74	119.5	92.1	138.1
44	7.4	5.8	8.6

Instrument :

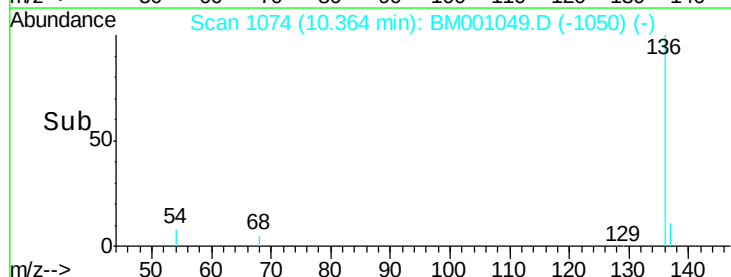
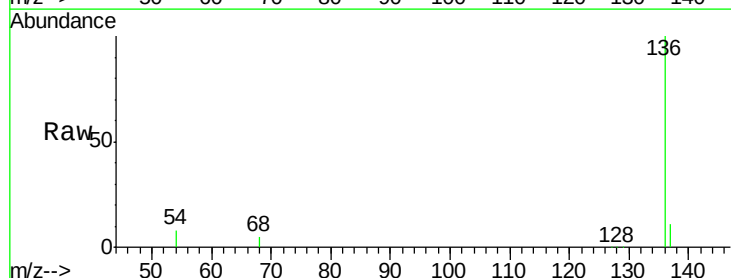
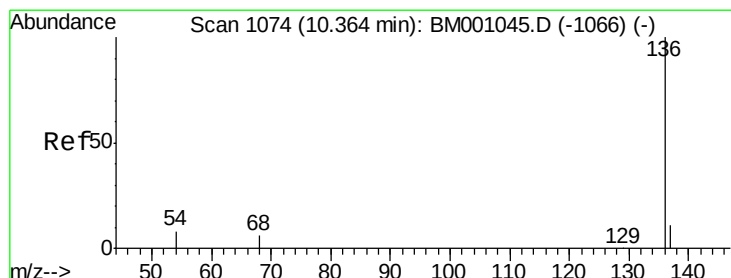
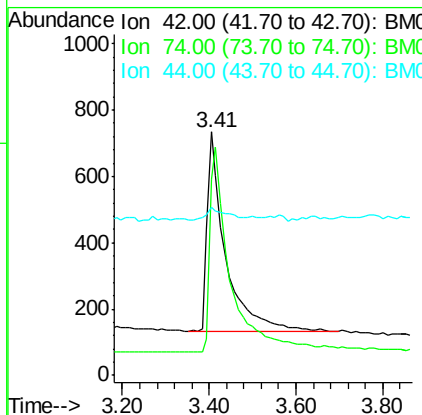
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#4

Naphthalene-d8

Concen: 5.00 ng

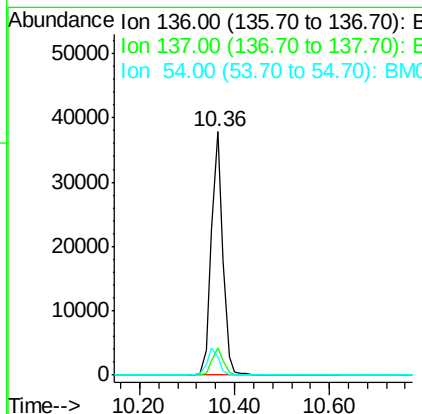
RT: 10.36 min Scan# 1074

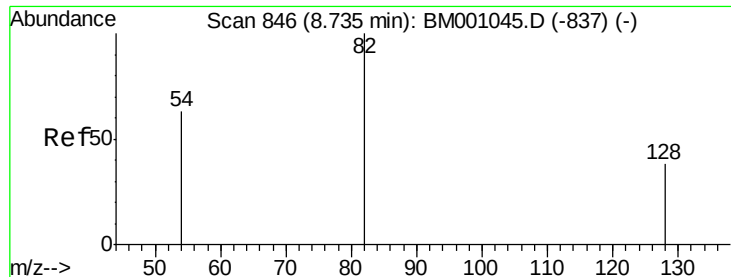
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tgt Ion:	136	Resp:	62550
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.7	6.5	9.7





#5

Nitrobenzene-d5

Concen: 1.02 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Instrument :

BNA_M

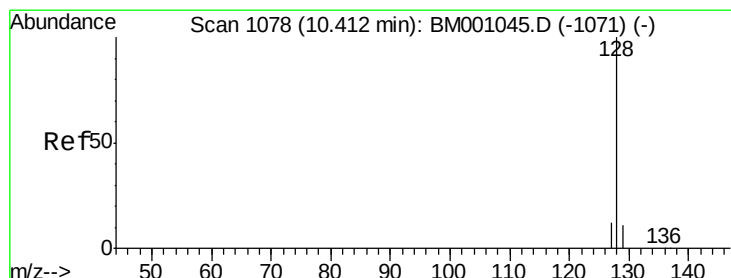
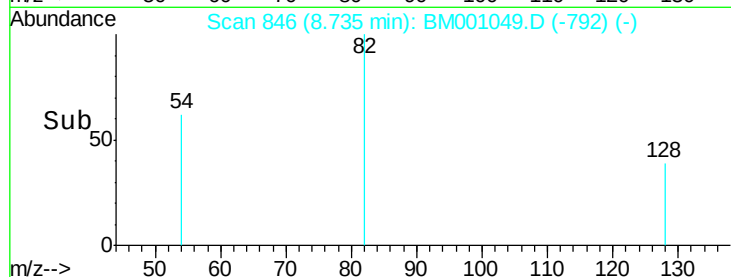
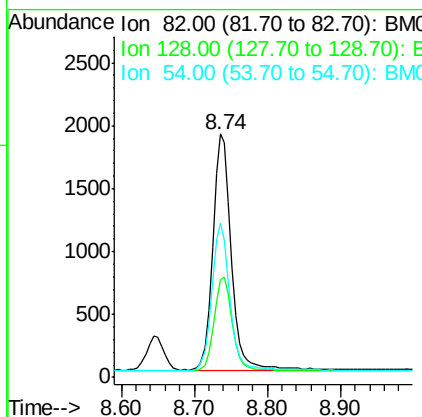
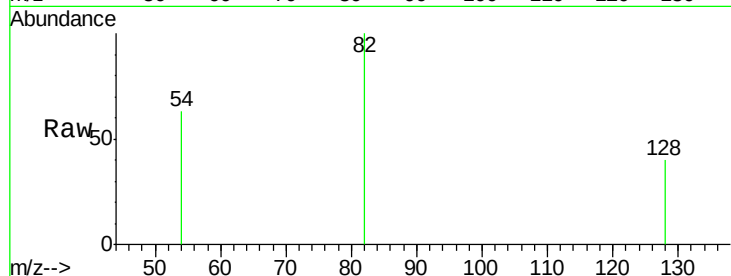
ClientSampleId :

ICVBM041815

Tot Ion:	82	Resp:	3337
Ion	Ratio	Lower	Upper
82	100		
128	40.3	31.9	47.9
54	63.0	51.3	76.9

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#6

Naphthalene

Concen: 0.98 ng

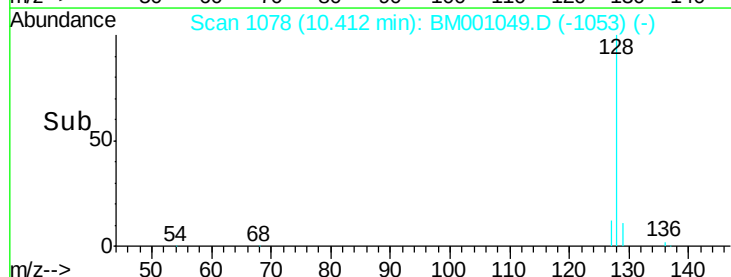
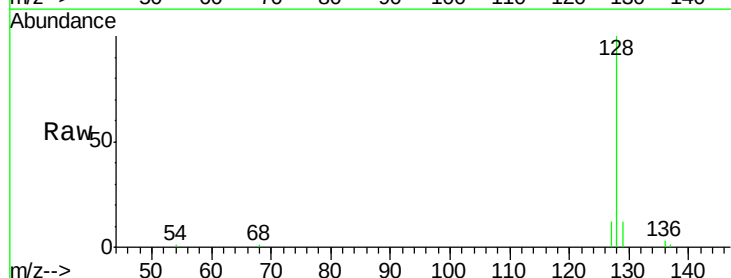
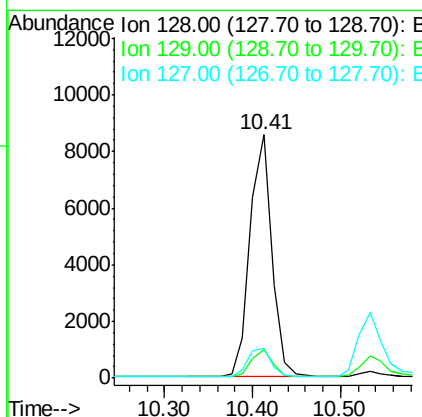
RT: 10.41 min Scan# 1078

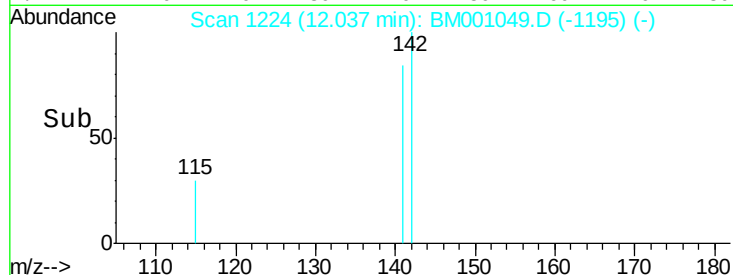
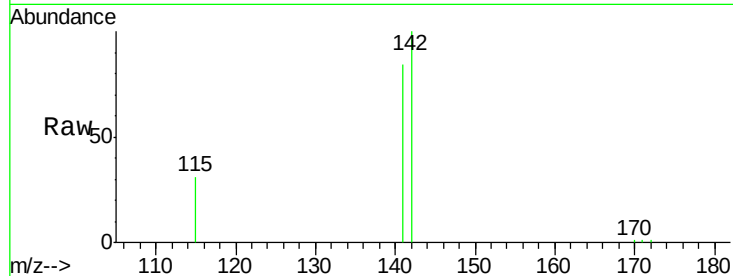
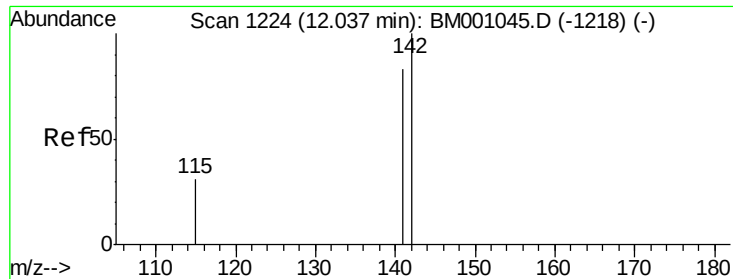
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tgt Ion:	128	Resp:	14673
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	12.1	10.0	15.0





#7

2-Methylnaphthalene

Concen: 0.99 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Instrument :

BNA_M

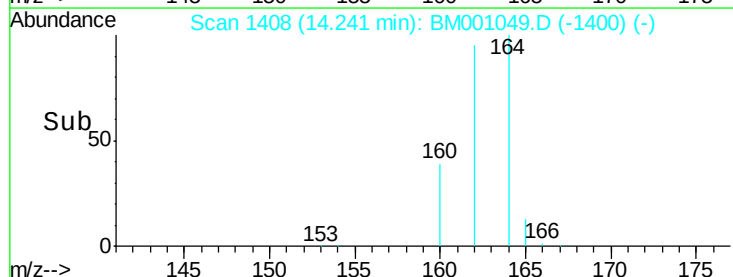
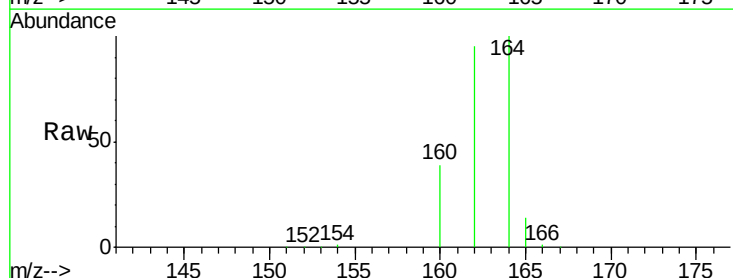
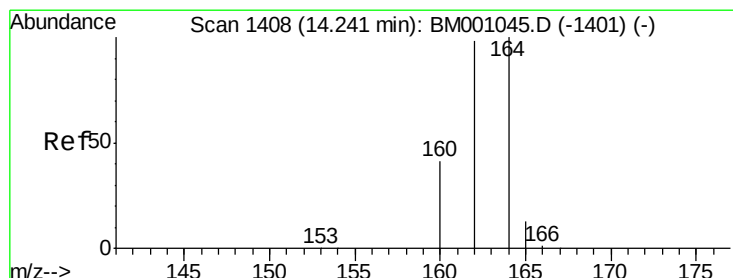
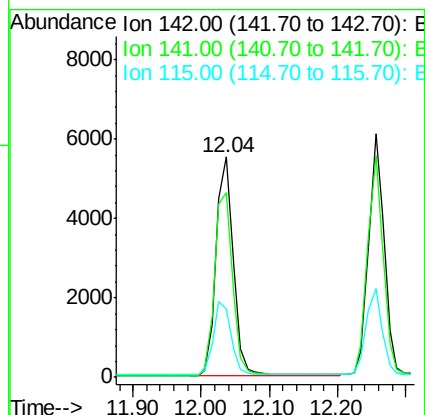
ClientSampleId :

ICVBM041815

Tot Ion:	142	Resp:	9523
Ion Ratio	Lower	Upper	
142	100		
141	84.0	66.7	100.1
115	31.2	25.5	38.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

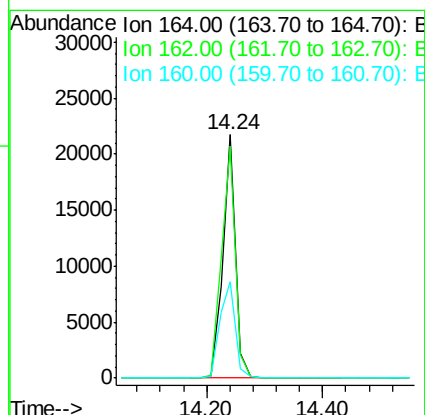
RT: 14.24 min Scan# 1408

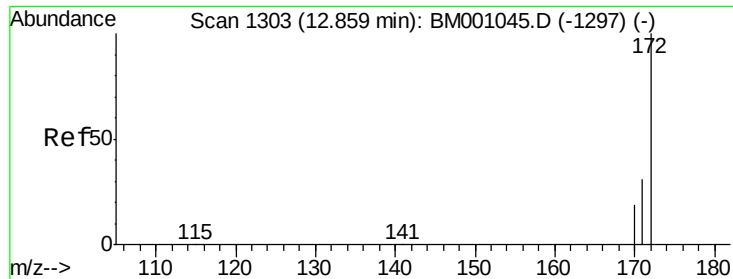
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tgt Ion:	164	Resp:	33191
Ion Ratio	Lower	Upper	
164	100		
162	95.3	78.5	117.7
160	39.4	32.9	49.3





#9

2-Fluorobiphenyl

Concen: 0.98 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Instrument :

BNA_M

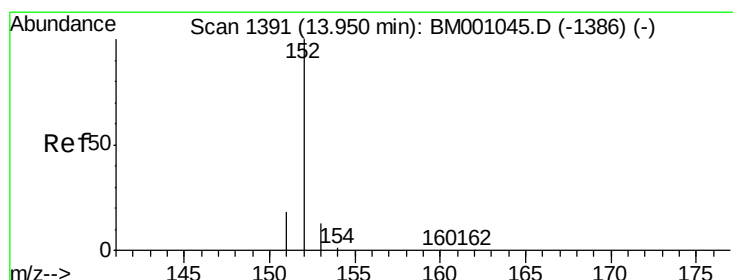
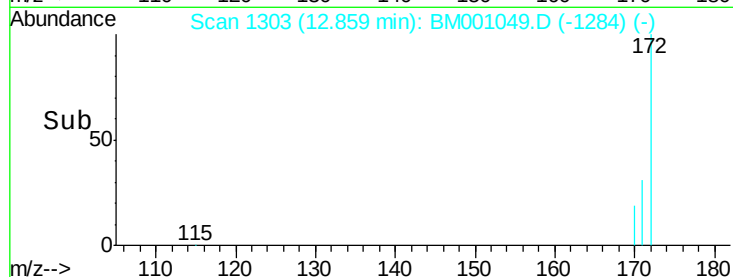
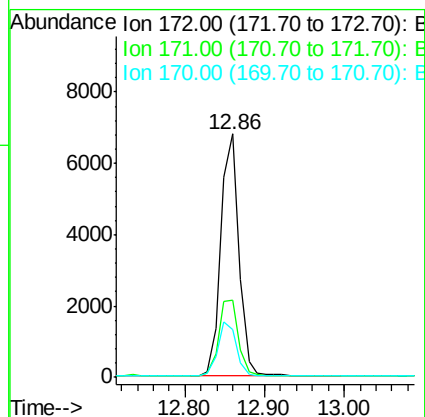
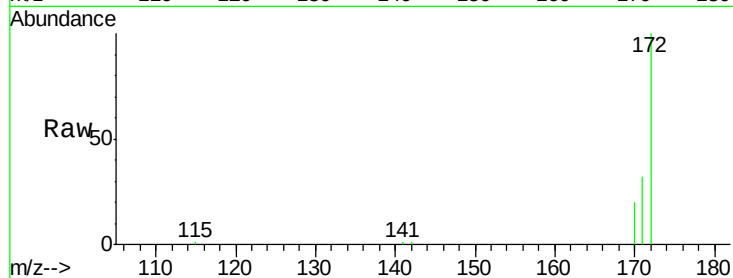
ClientSampleId :

ICVBM041815

Tot Ion:	172	Resp:	10739
Ion	Ratio	Lower	Upper
172	100		
171	31.9	25.6	38.4
170	19.6	15.8	23.6

Manual Integrations
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#10

Acenaphthylene

Concen: 0.99 ng

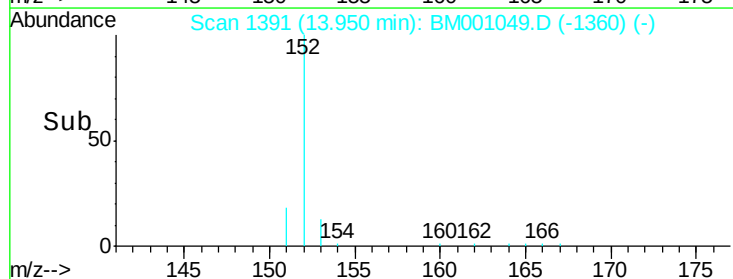
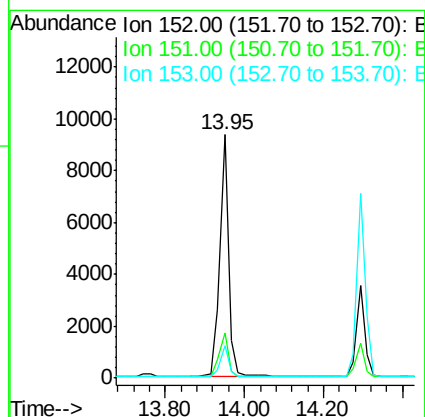
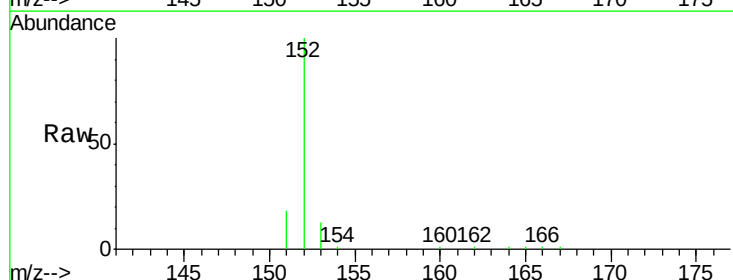
RT: 13.95 min Scan# 1391

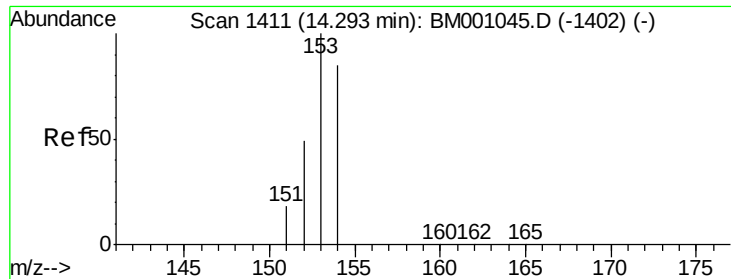
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tgt Ion:	152	Resp:	14502
Ion	Ratio	Lower	Upper
152	100		
151	18.7	14.7	22.1
153	12.7	10.2	15.2





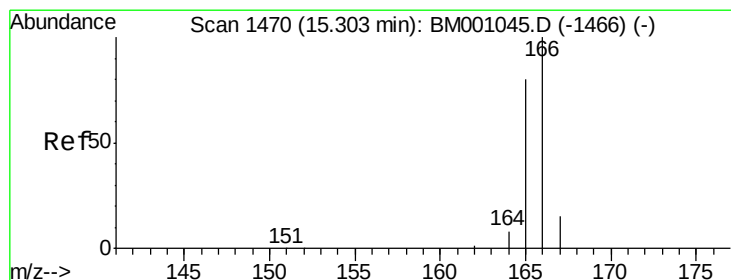
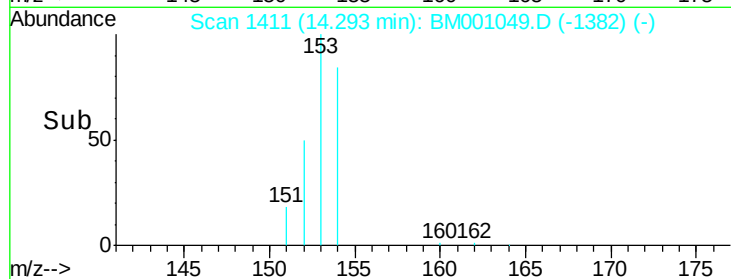
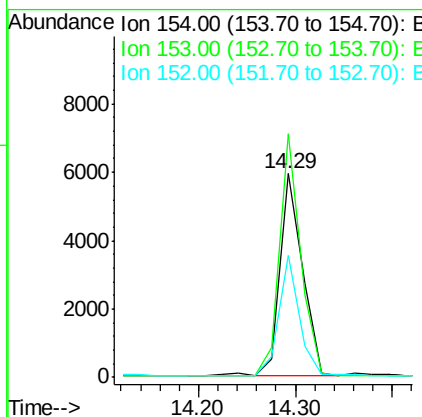
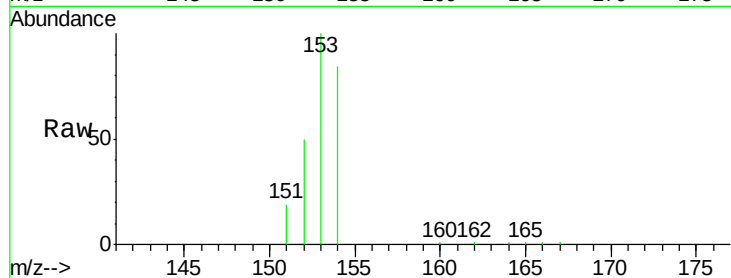
#11
Acenaphthene
Concen: 0.93 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Instrument :
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ClientSampleId :
ICVBM041815

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.6	88.1	132.1
152	54.0	42.3	63.5

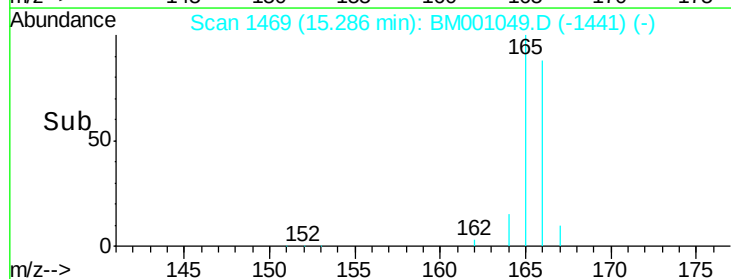
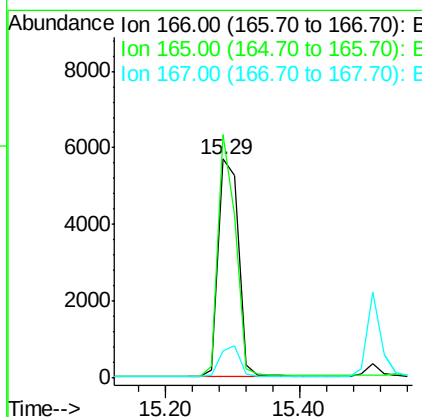
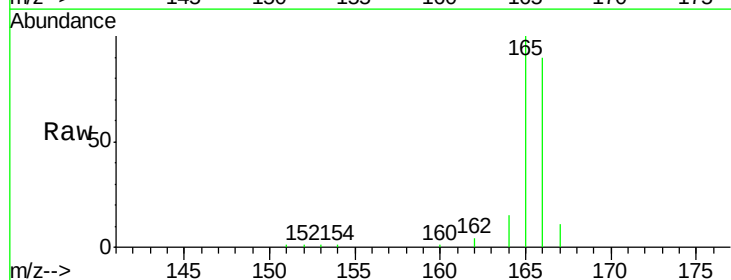
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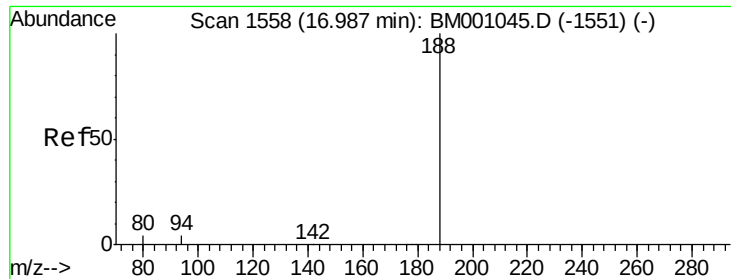
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#12
Fluorene
Concen: 1.00 ng
RT: 15.29 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.6	116.4
167	13.4	10.6	16.0





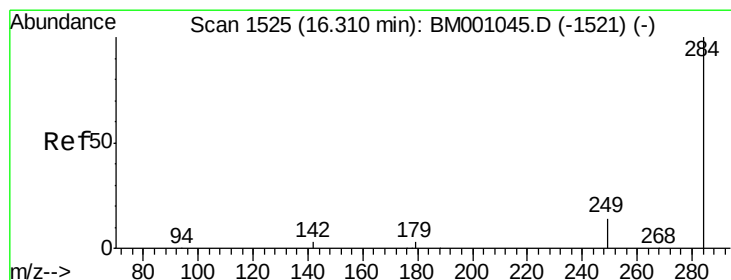
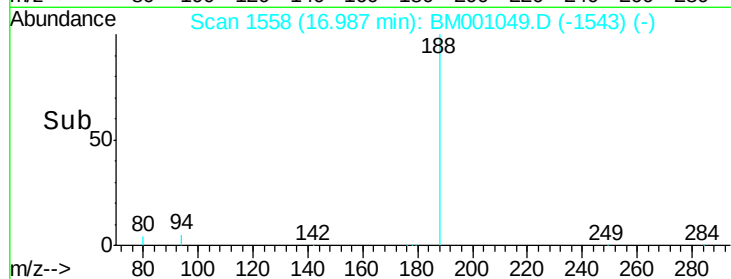
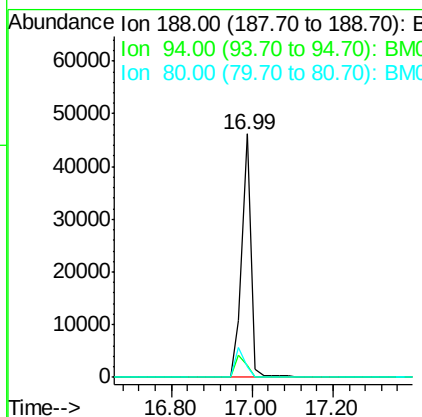
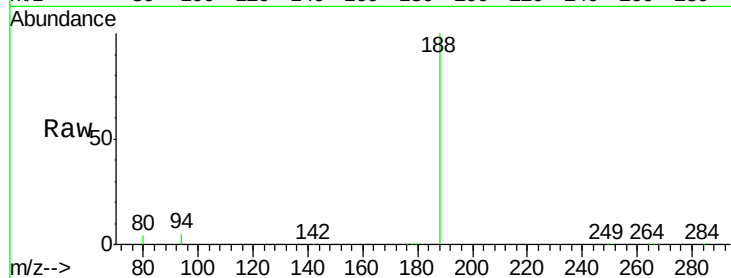
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Instrument :
BNA_M
ClientSampleId :
ICVBM041815

Tot Ion:188	Resp:	73366
Ion Ratio	Lower	Upper
188 100		
94 4.8	3.6	5.4
80 4.2	3.0	4.6

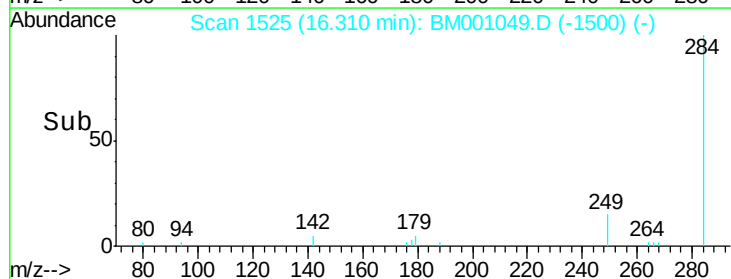
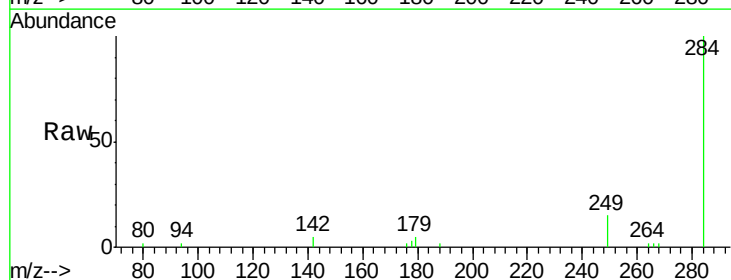
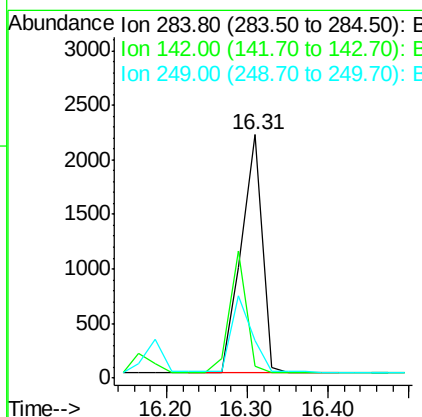
Manual Integrations
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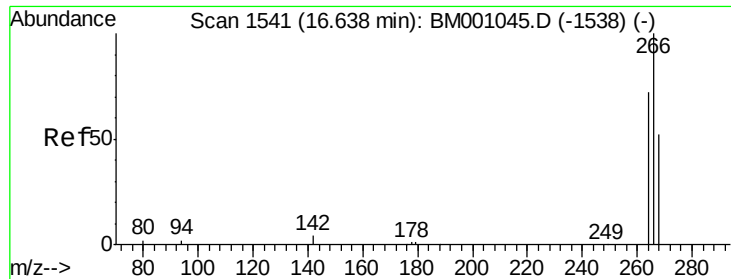
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#14
Hexachlorobenzene
Concen: 0.97 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tgt Ion:284	Resp:	3933
Ion Ratio	Lower	Upper
284 100		
142 0.0	0.0	0.0
249 0.0	0.0	0.0





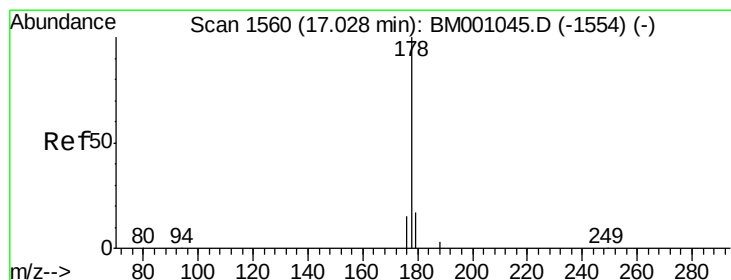
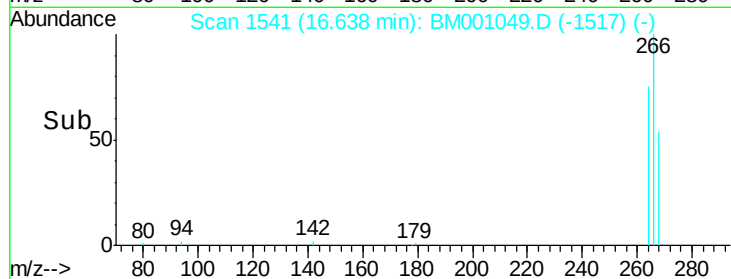
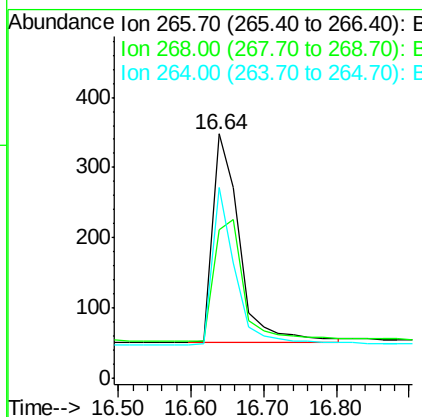
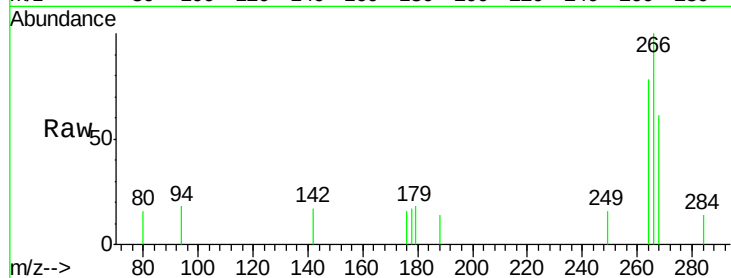
#15
 Pentachlorophenol
 Concen: 0.80 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM041815

Tot Ion	Ratio	Lower	Upper
266	100		
268	60.9	46.3	69.5
264	77.9	59.8	89.6

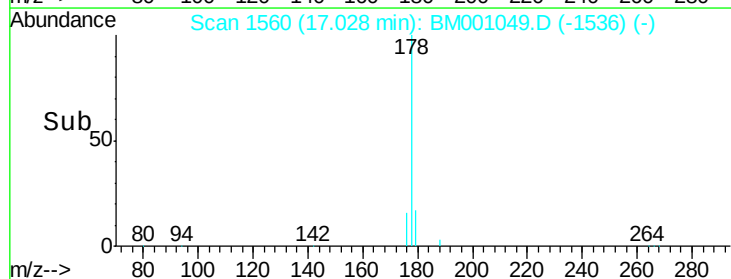
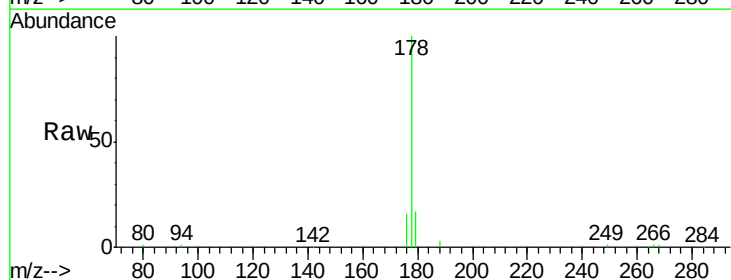
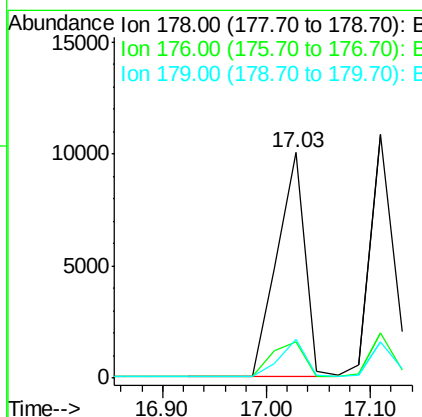
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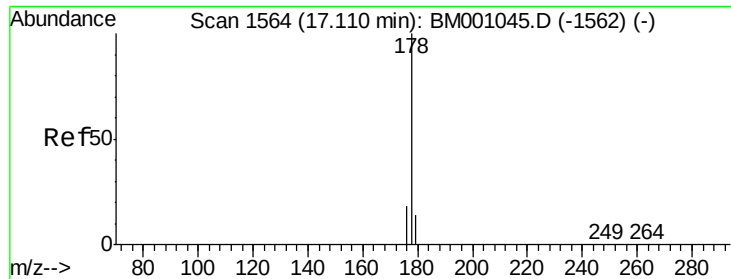
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#16
 Phenanthrene
 Concen: 0.96 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.7	12.6	19.0





#17

Anthracene

Concen: 0.98 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Instrument :

BNA_M

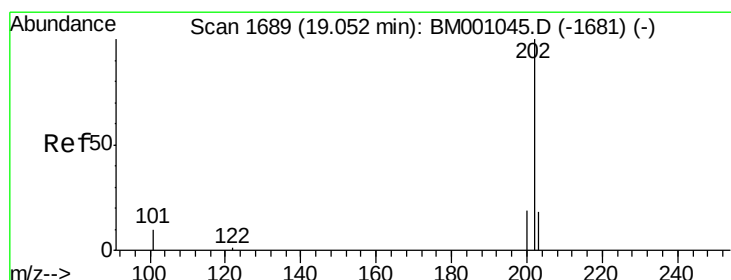
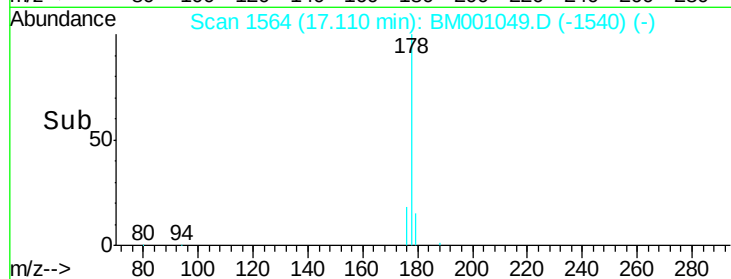
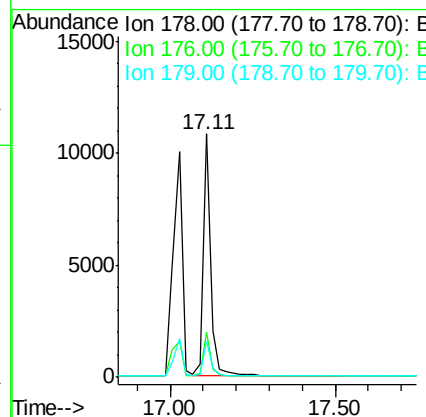
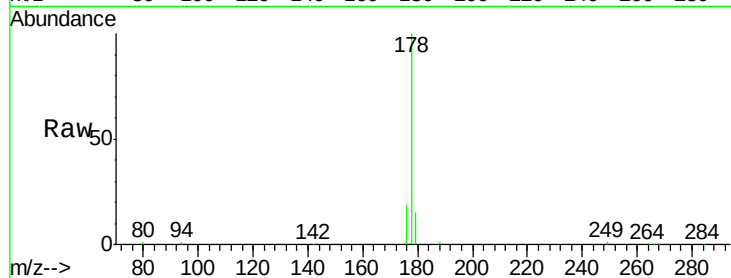
ClientSampleId :

ICVBM041815

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Tot Ion:	178	Resp:	17613
Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.3	21.5
179	14.9	11.8	17.8



#18

Fluoranthene

Concen: 0.98 ng

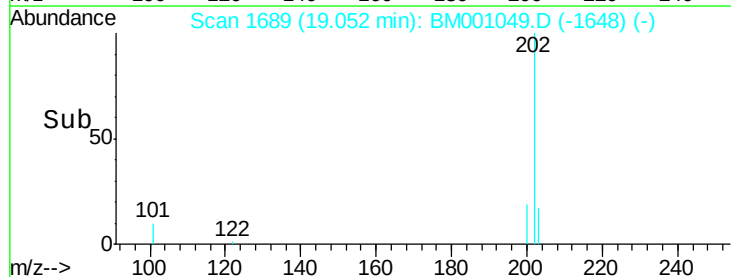
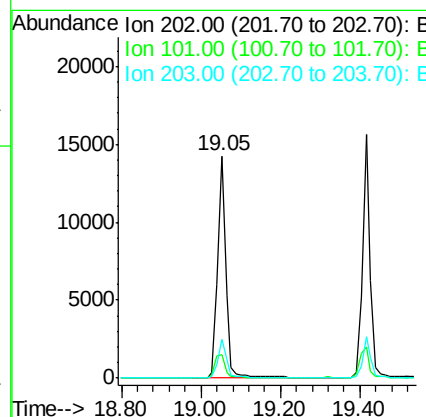
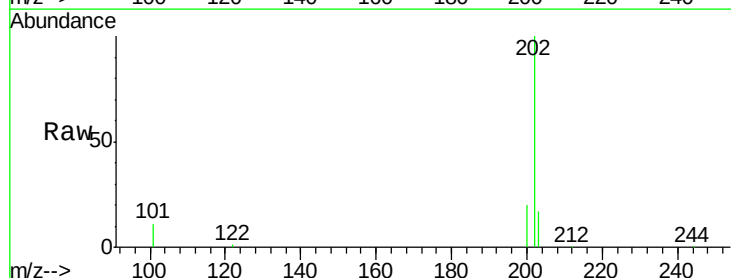
RT: 19.05 min Scan# 1689

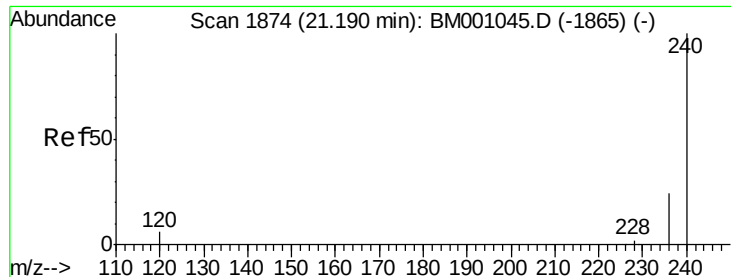
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tgt Ion:	202	Resp:	19891
Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.1	15.1
203	17.1	13.8	20.8





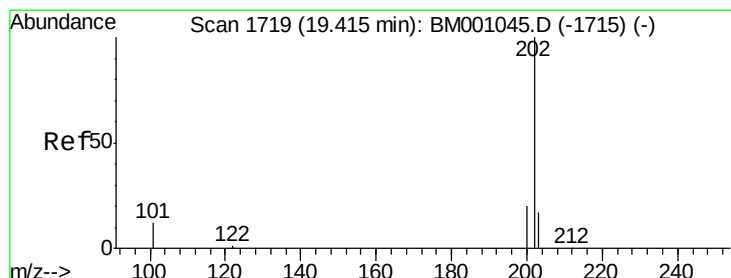
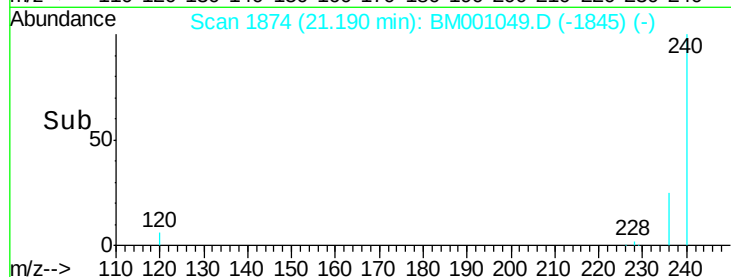
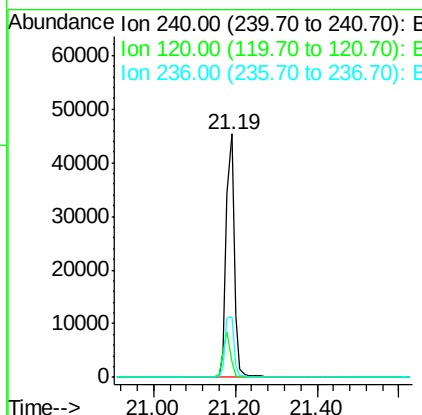
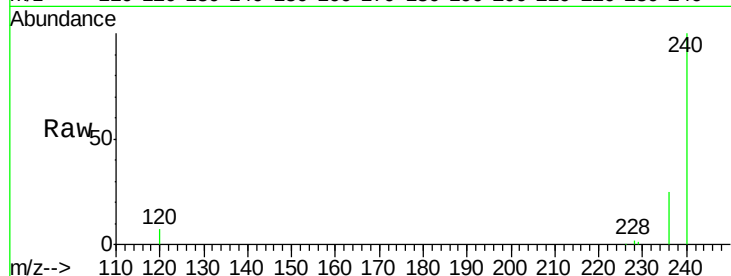
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Instrument :
BNA_M
ClientSampleId :
ICVBM041815

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.6	4.6	6.8
236	24.8	19.1	28.7

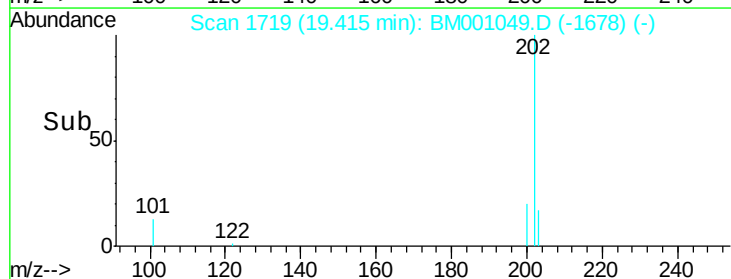
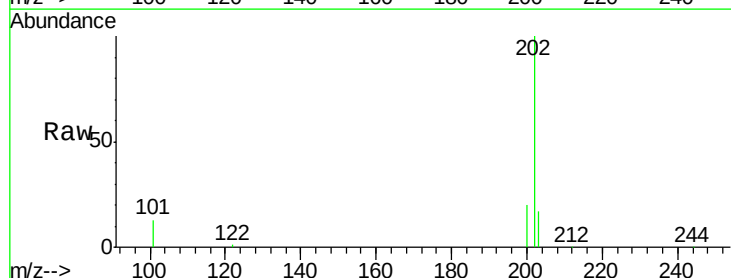
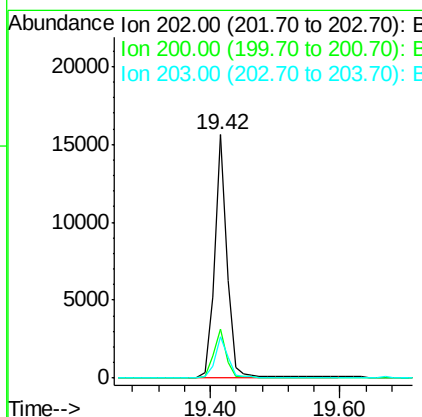
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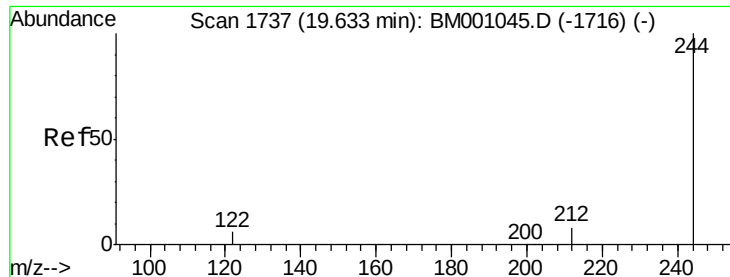
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#20
Pyrene
Concen: 1.00 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.3	24.5
203	17.2	13.8	20.6





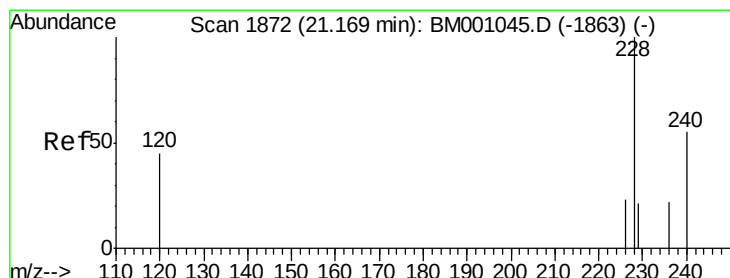
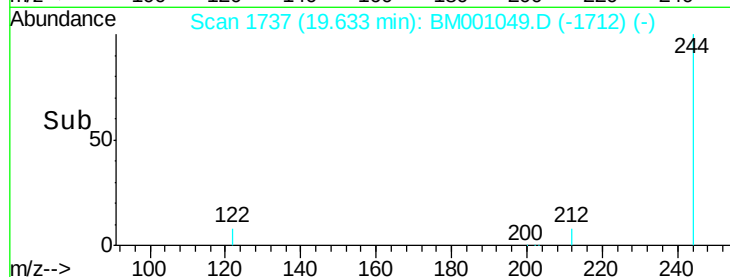
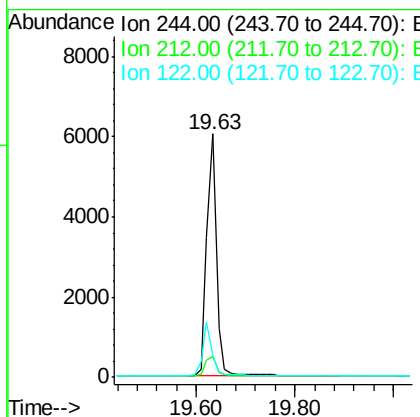
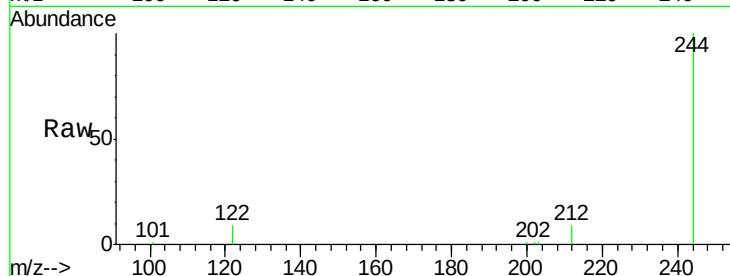
#21
 Terphenyl-d14
 Concen: 0.98 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM041815

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.1	10.7
122	9.0	5.9	8.9

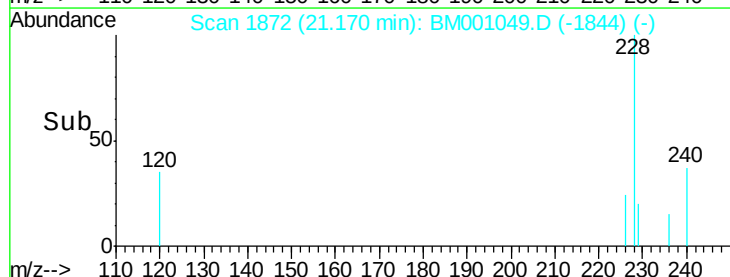
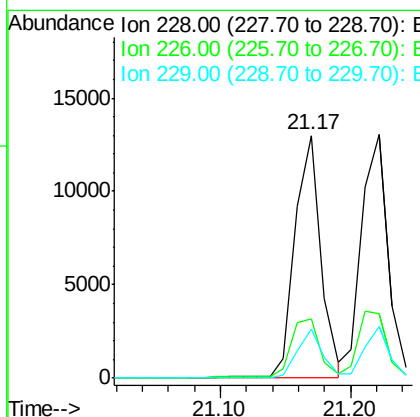
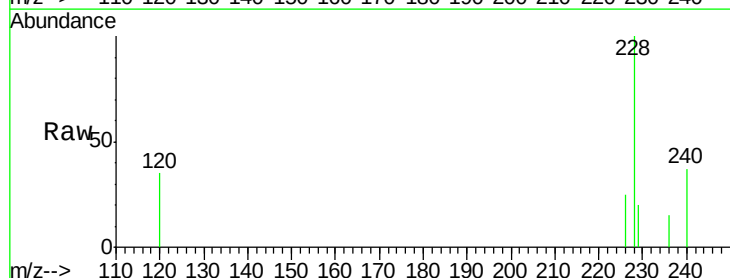
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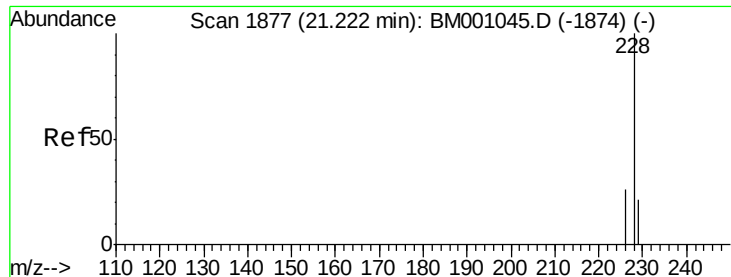
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#22
 Benzo(a)anthracene
 Concen: 0.97 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.6	19.0	28.6
229	20.4	16.8	25.2





#23

Chrysene

Concen: 0.98 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Instrument :

BNA_M

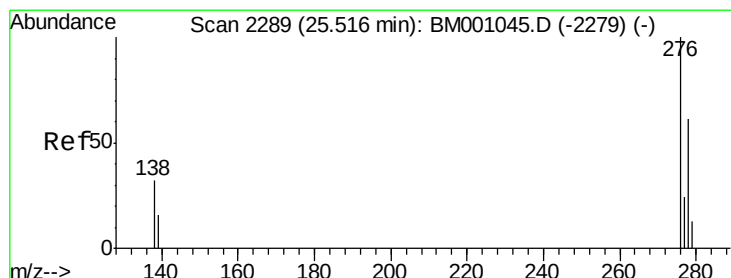
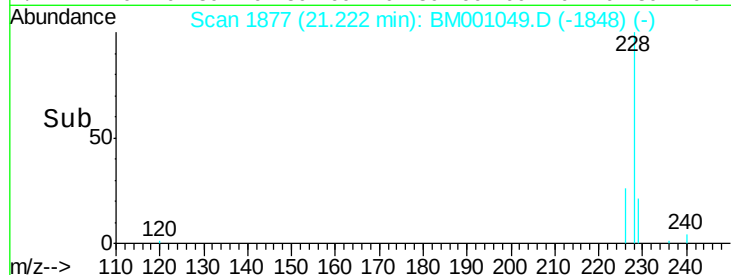
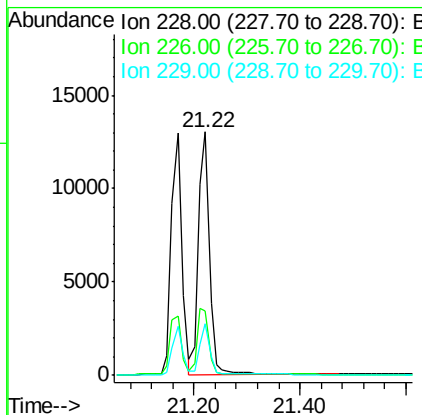
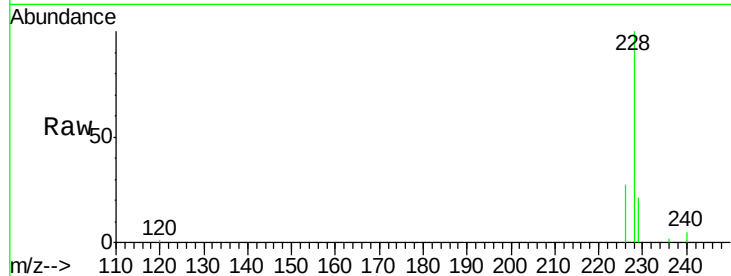
ClientSampleId :

ICVBM041815

Tot Ion:	228	Resp:	18765
Ion Ratio	Lower	Upper	
228	100		
226	26.6	20.6	31.0
229	20.9	17.2	25.8

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.99 ng

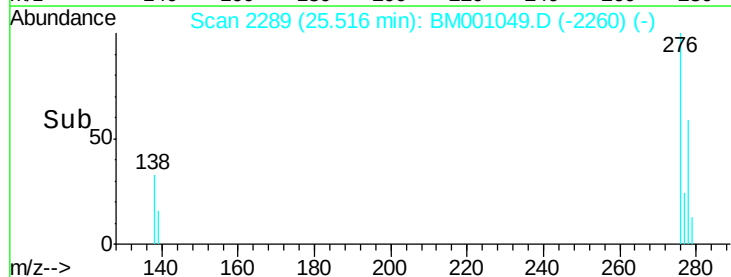
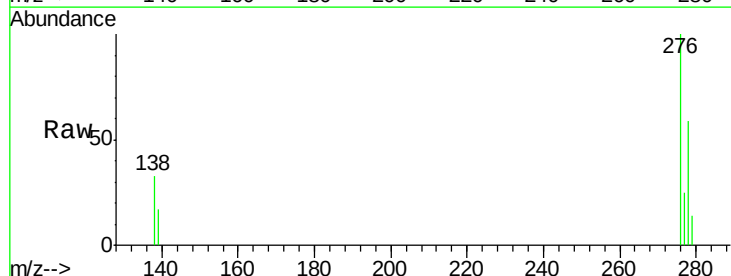
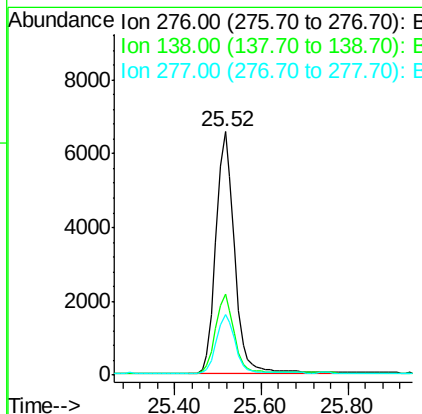
RT: 25.52 min Scan# 2289

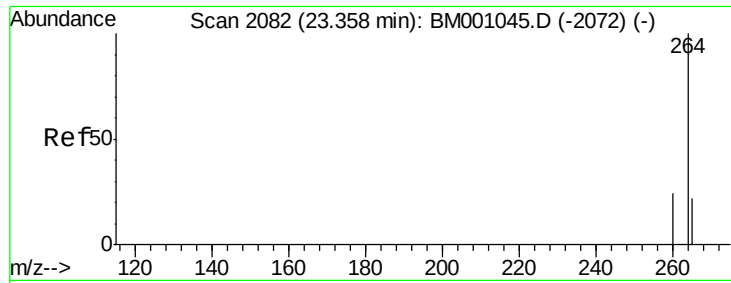
Delta R.T. 0.00 min

Lab File: BM001049.D

Acq: 18 Apr 2015 07:26

Tgt Ion:	276	Resp:	19333
Ion Ratio	Lower	Upper	
276	100		
138	33.2	26.3	39.5
277	24.3	19.5	29.3





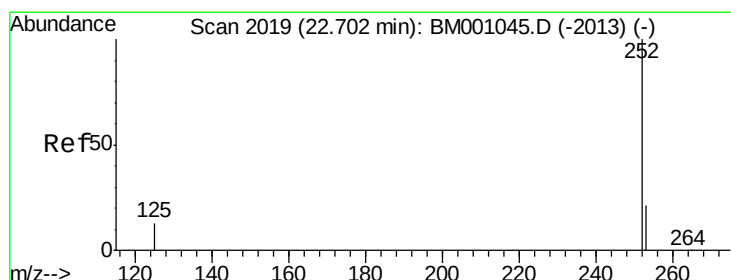
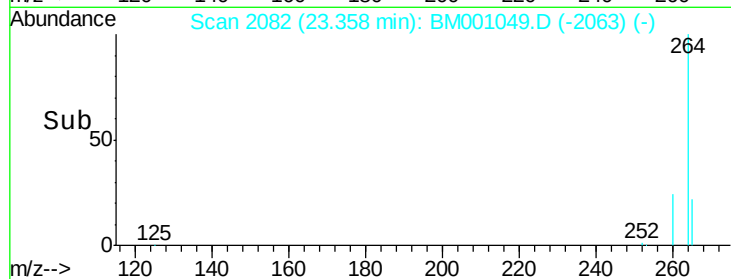
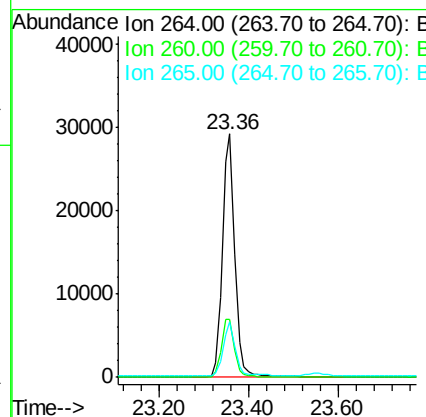
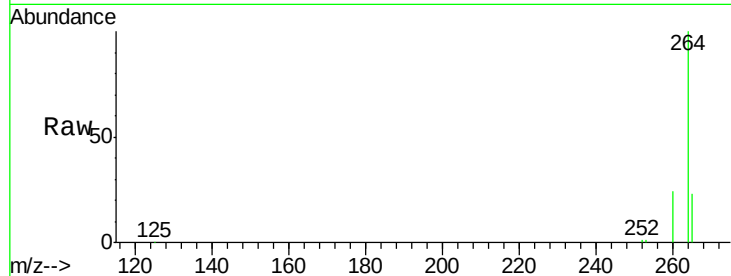
#25
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM041815

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.7	17.9	26.9

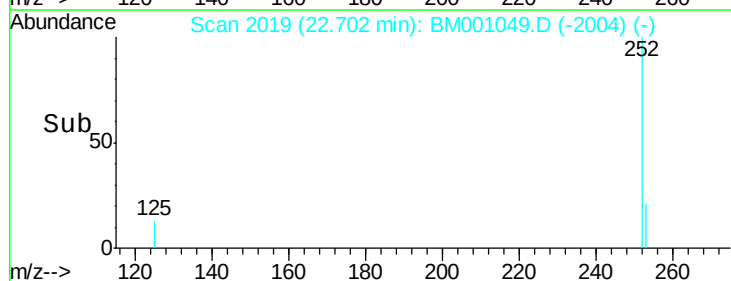
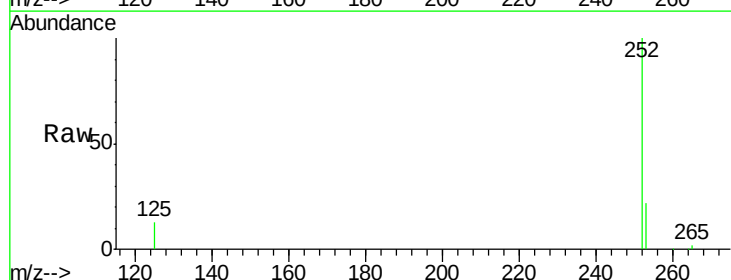
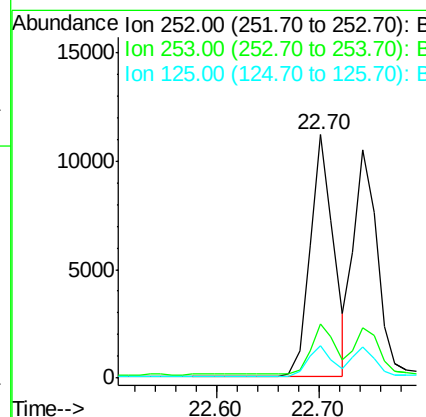
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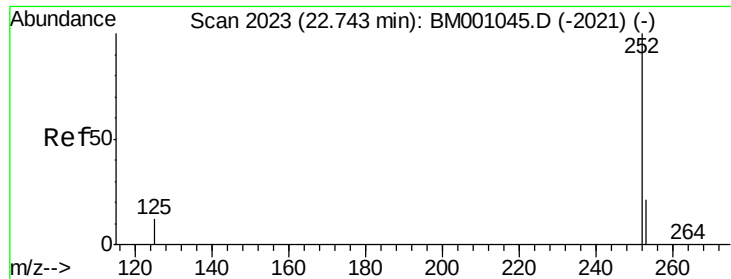
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#26
 Benzo(b)fluoranthene
 Concen: 1.00 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001049.D
 Acq: 18 Apr 2015 07:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	13.3	10.9	16.3





#27

Benzo(k)fluoranthene

Concen: 1.02 ng

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001049.D

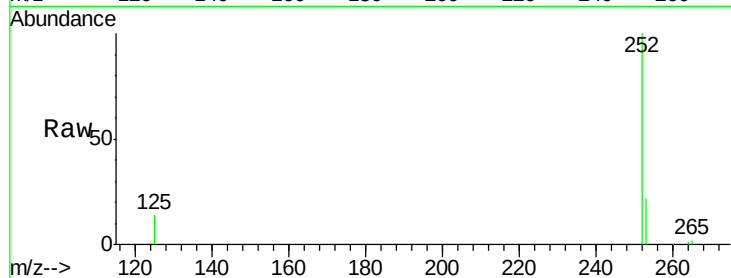
Acq: 18 Apr 2015 07:26

Instrument :

BNA_M

ClientSampleId :

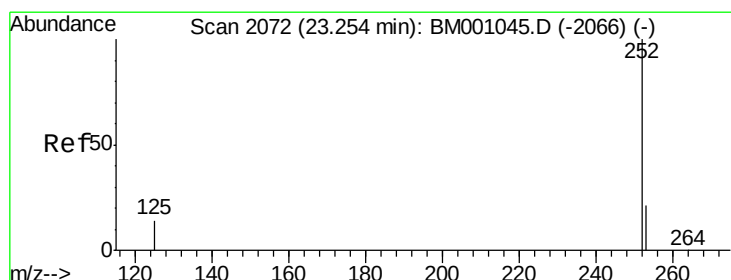
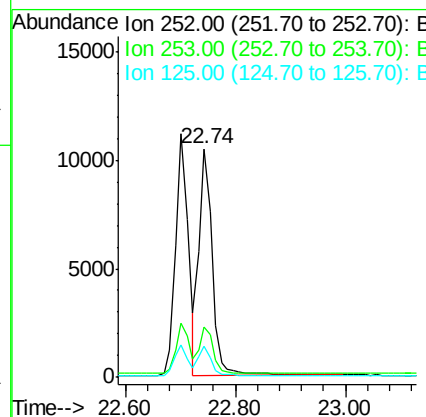
ICVBM041815



Tot Ion:	252	Resp:	17487
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.3	27.5
125	13.7	10.6	15.8

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#28

Benzo(a)pyrene

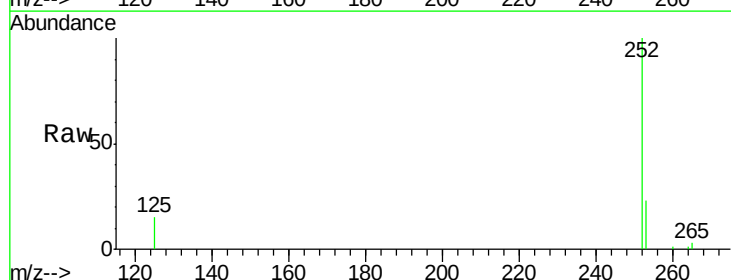
Concen: 1.00 ng

RT: 23.25 min Scan# 2072

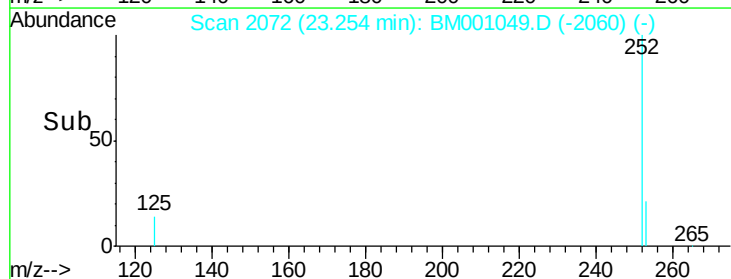
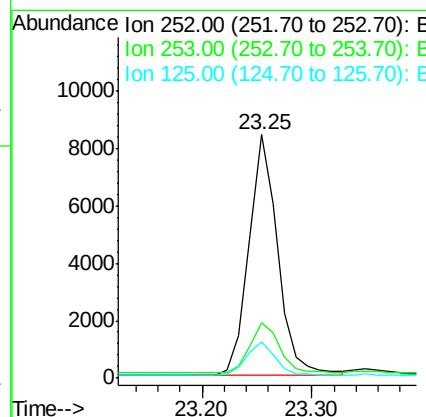
Delta R.T. 0.00 min

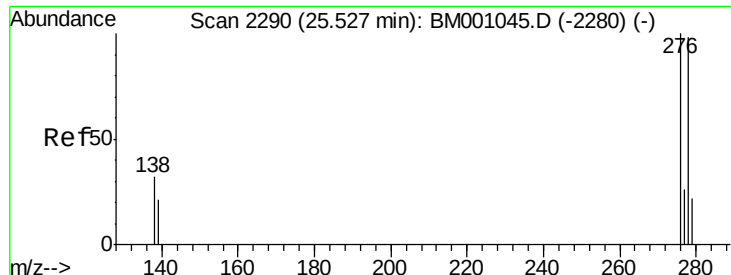
Lab File: BM001049.D

Acq: 18 Apr 2015 07:26



Tgt Ion:	252	Resp:	15337
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.6	27.8
125	15.0	11.9	17.9





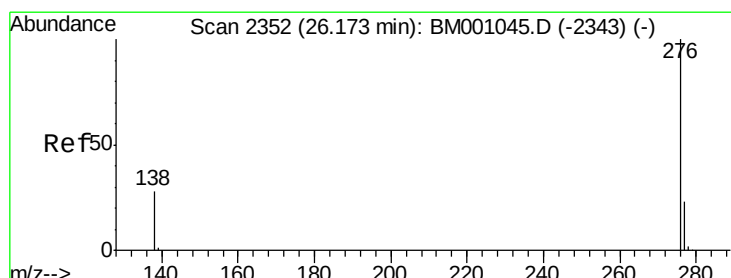
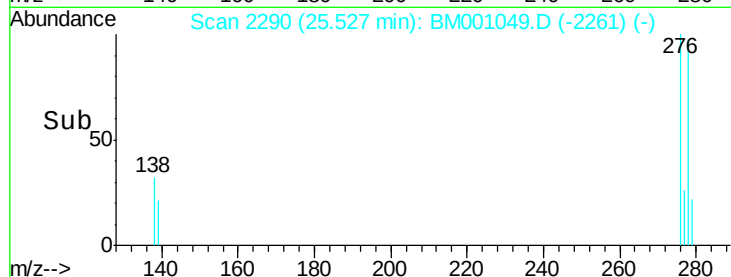
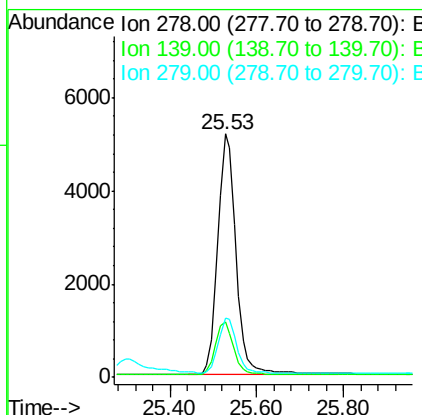
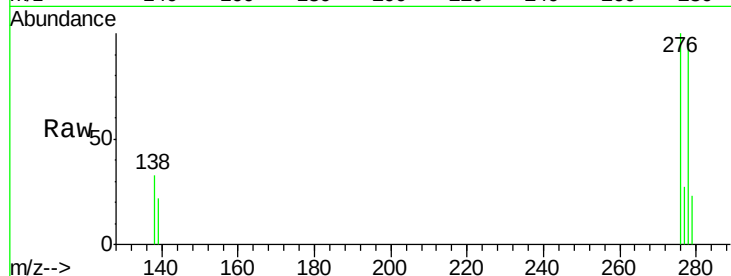
#29
Dibenzo(a,h)anthracene
Concen: 1.00 ng
RT: 25.53 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Instrument :
BNA_M
ClientSampleId :
ICVBM041815

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.6	18.2	27.2
279	24.1	19.1	28.7

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#30
Benzo(g,h,i)perylene
Concen: 0.99 ng
RT: 26.17 min Scan# 2352
Delta R.T. 0.00 min
Lab File: BM001049.D
Acq: 18 Apr 2015 07:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	29.8	23.4	35.2

