

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010715\
 Data File : BM000127.D
 Acq On : 07 Jan 2015 14:05
 Operator : TP/IZ
 Sample : MDL-01-W
 Misc : MDL-WATER-0.07PPM-SIM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

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Quant Time: Jan 08 11:52:02 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 10:41:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3303	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	11043	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	6694	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	11478	0.40	ng/ul	0.02
16) Chrysene-d12	21.41	240	8297	0.40	ng/ul	0.00
20) Perylene-d12	23.71	264	7393	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	5421	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	8069	0.33	ng/ul	0.00

Target Compounds				Ovalue		
3) Naphthalene	10.68	128	1446	0.05	ng/ul#	89
5) 2-Methylnaphthalene	12.29	142	946	0.05	ng/ul	99
7) Acenaphthylene	14.20	152	1527	0.05	ng/ul#	89
8) Acenaphthene	14.54	153	986	0.05	ng/ul	94
9) Fluorene	15.54	166	1135	0.05	ng/ul#	92
11) Pentachlorophenol	16.88	266	32	0.02	ng/ul#	84
12) Phenanthrene	17.26	178	1675	0.05	ng/ul#	86
13) Anthracene	17.35	178	1544	0.05	ng/ul#	82
15) Fluoranthene	19.28	202	1857	0.05	ng/ul	89
17) Pyrene	19.65	202	1871	0.05	ng/ul#	93
18) Benzo(a)anthracene	21.39	228	1359	0.05	ng/ul#	89
19) Chrysene	21.44	228	1572m	0.05	ng/ul	
21) Benzo(b)fluoranthene	23.01	252	1364	0.05	ng/ul#	56
22) Benzo(k)fluoranthene	23.05	252	1428	0.05	ng/ul#	56
23) Benzo(a)pyrene	23.61	252	1445	0.05	ng/ul#	44
24) Indeno(1,2,3-cd)pyrene	26.04	276	1547	0.05	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.08	278	1242	0.05	ng/ul#	40
26) Benzo(g,h,i)perylene	26.75	276	1377	0.05	ng/ul#	73

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

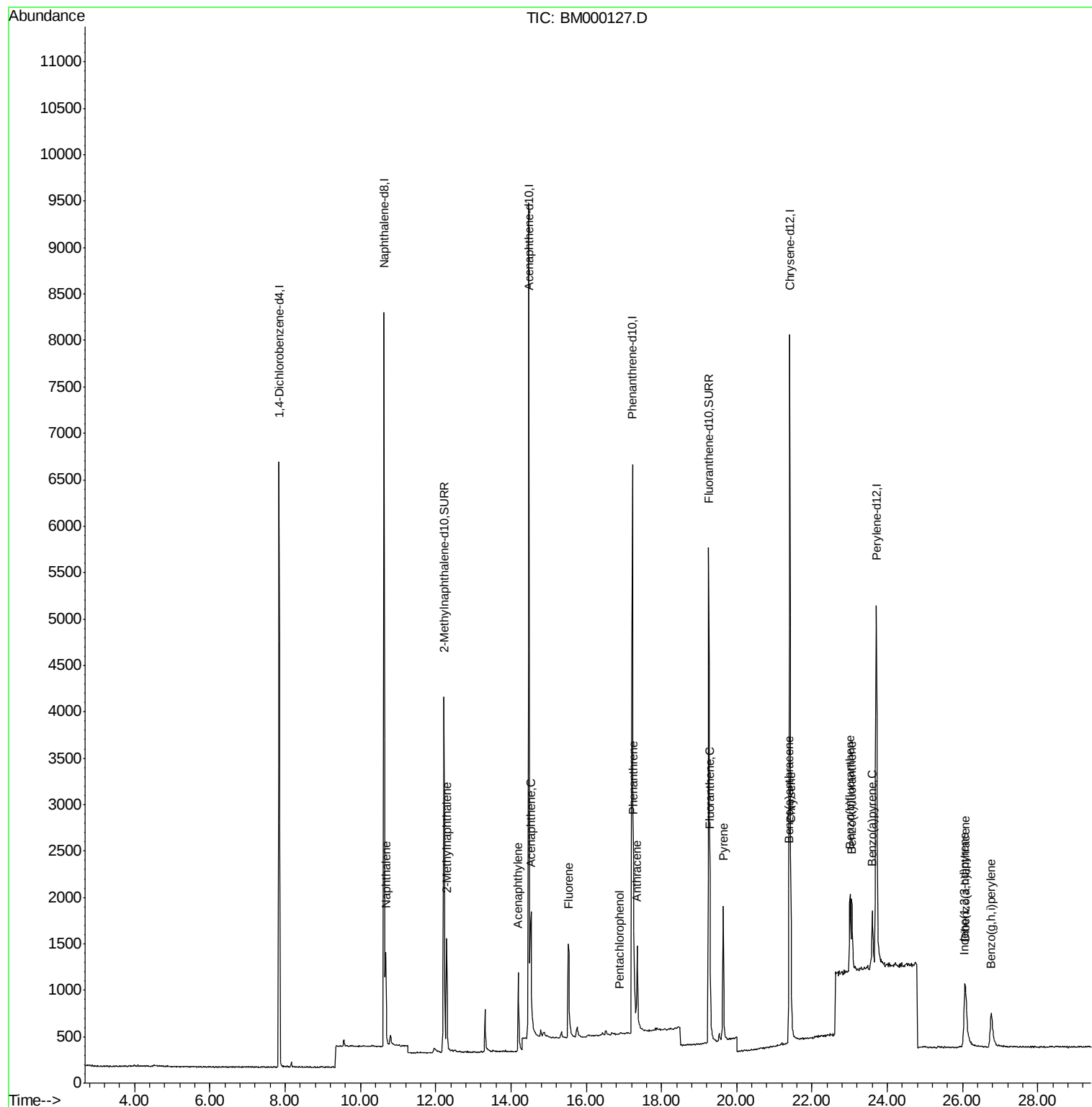
Data Path : Z:\HPCHEM1\BNA M\DATA\BM010715\
Data File : BM000127.D
Acq On : 07 Jan 2015 14:05
Operator : TP/IZ
Sample : MDL-01-W
Misc : MDL-WATER-0.07PPM-SIM
ALS Vial : 9 Sample Multiplier: 1

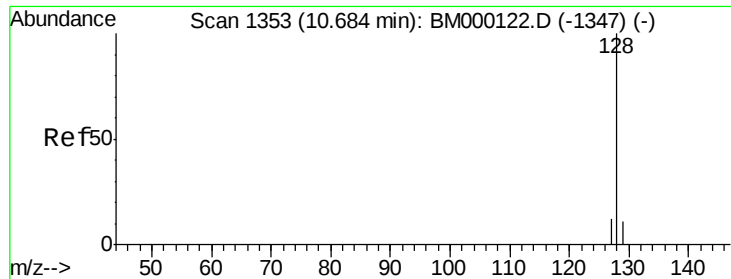
Instrument :
BNA_M
ClientSampleId :
MDL-01-W

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Quant Time: Jan 08 11:52:02 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM010715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 08 10:41:47 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampleId :

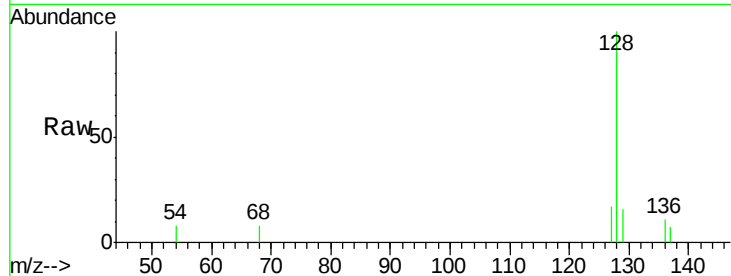
MDL-01-W

Tot Ion:128 Resp: 1446

Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.5	14.3#
127	17.4	10.4	15.6#

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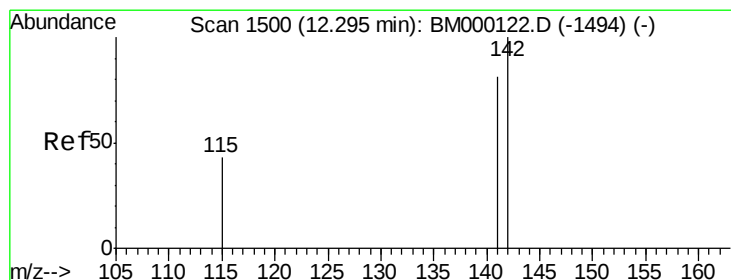
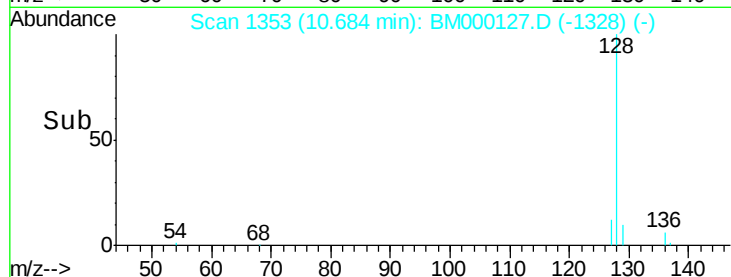
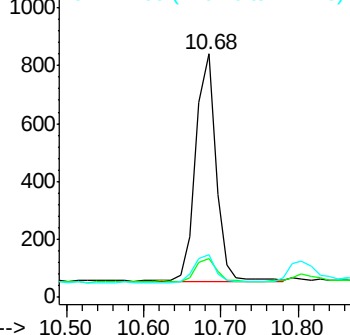
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.29 min Scan# 1500

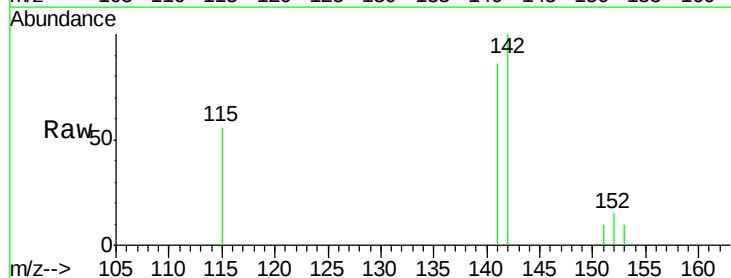
Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

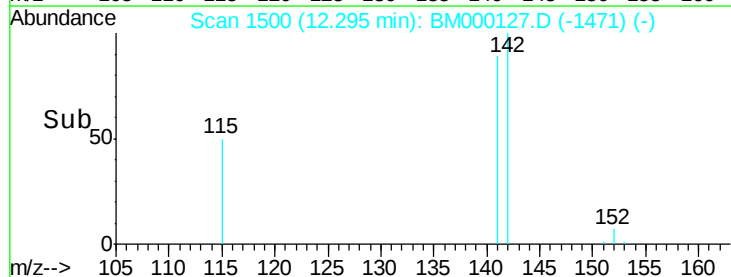
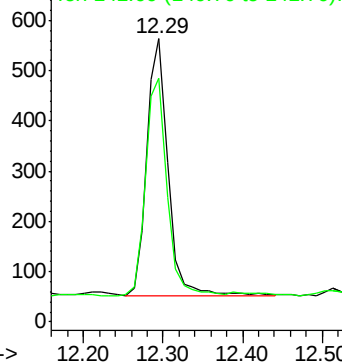
Tgt Ion:142 Resp: 946

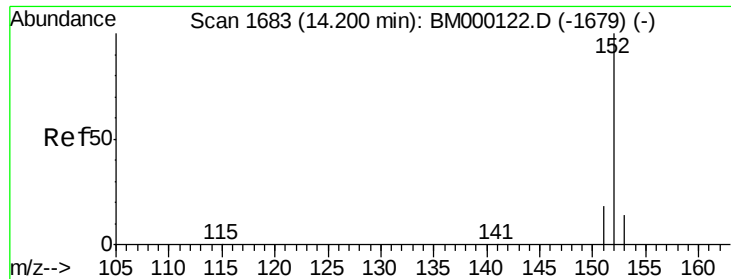
Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.9	103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.20 min Scan# 1683

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

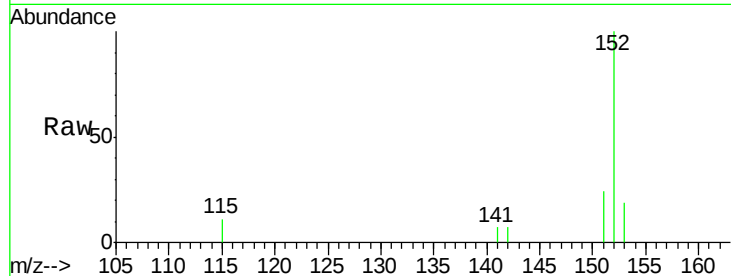
ClientSampleId :

MDL-01-W

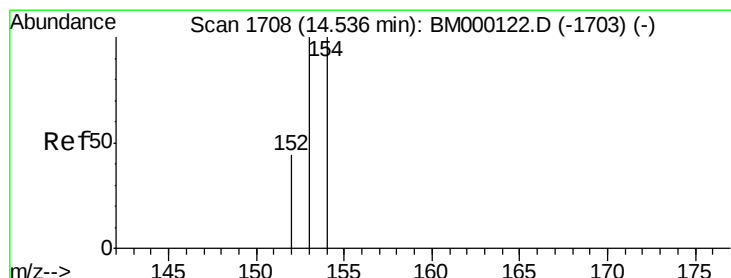
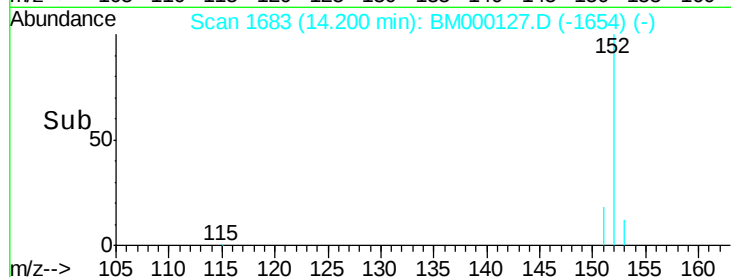
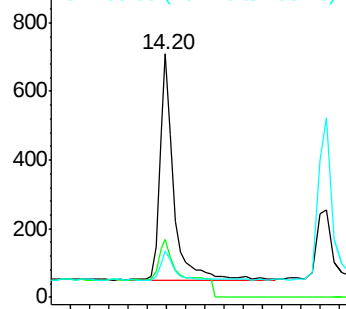
Tot Ion:	152	Resp:	1527
Ion Ratio	Lower	Upper	
152	100		
151	23.7	15.4	23.2#
153	18.9	11.0	16.4#

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.05 ng/ul

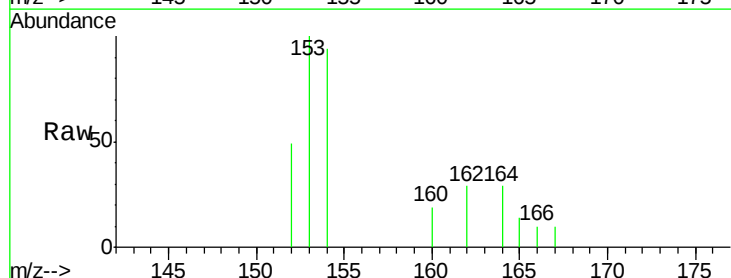
RT: 14.54 min Scan# 1708

Delta R.T. -0.00 min

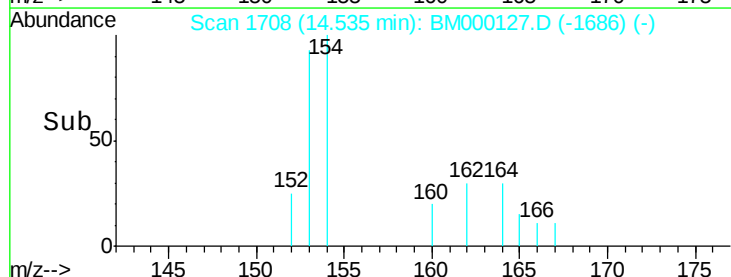
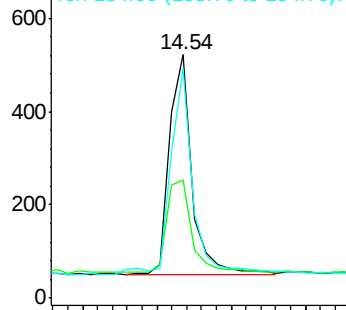
Lab File: BM000127.D

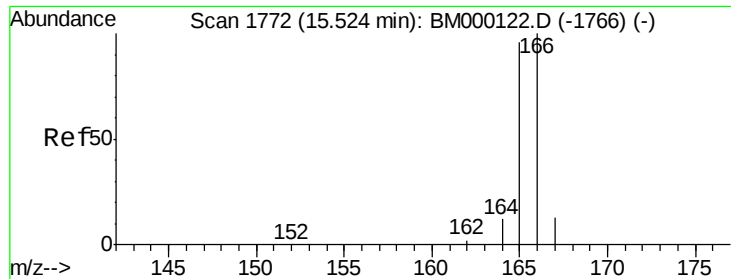
Acq: 07 Jan 2015 14:05

Tgt Ion:	153	Resp:	986
Ion Ratio	Lower	Upper	
153	100		
152	48.7	35.8	53.6
154	94.4	79.9	119.9



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





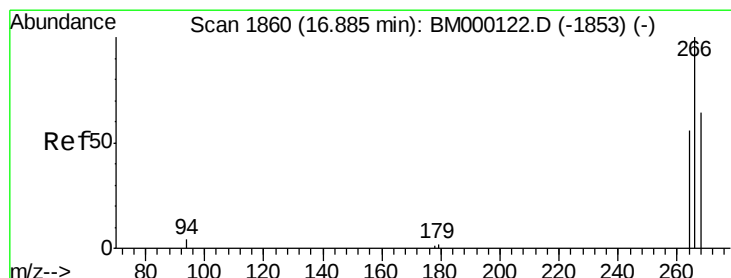
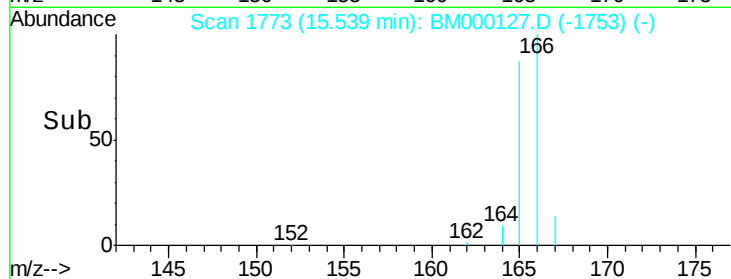
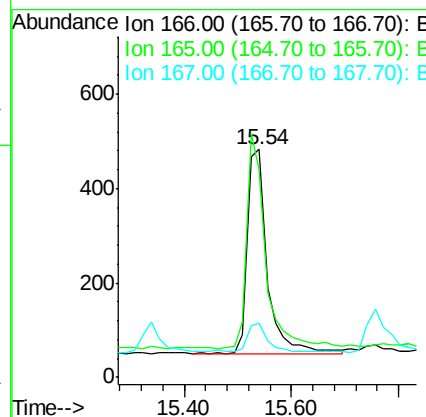
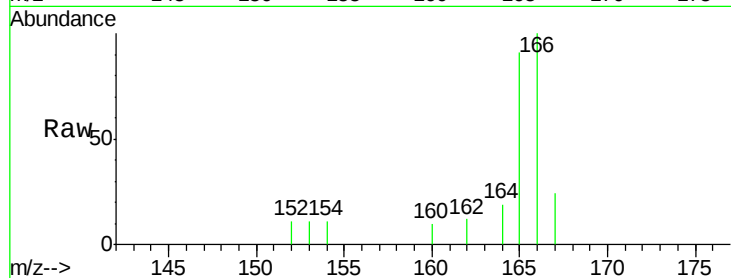
#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.54 min Scan# 1773
 Delta R.T. 0.02 min
 Lab File: BM000127.D
 Acq: 07 Jan 2015 14:05

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Tot Ion	Ratio	Lower	Upper
166	100		
165	91.3	77.0	115.4
167	24.0	11.0	16.6#

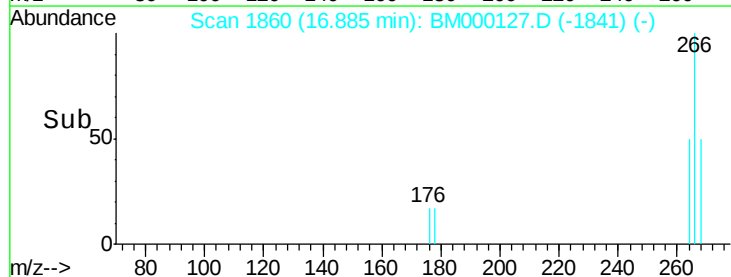
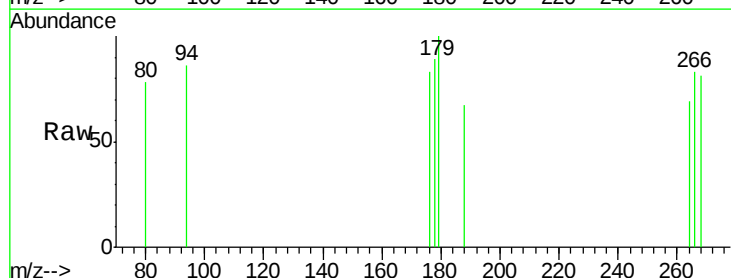
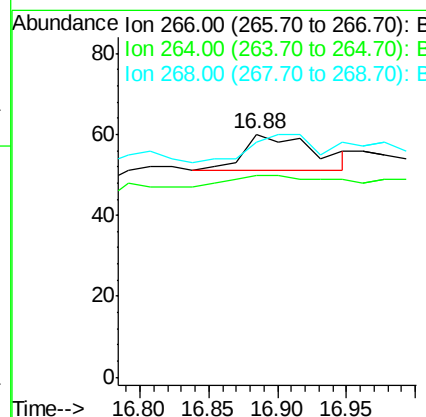
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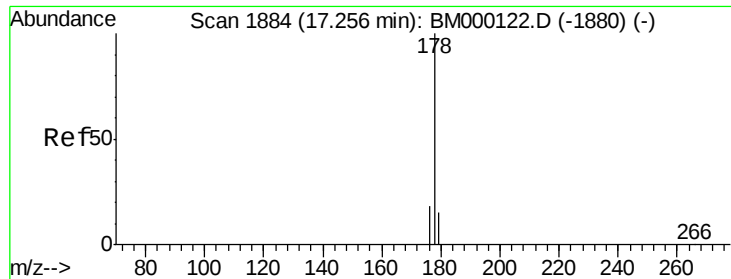
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#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.88 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BM000127.D
 Acq: 07 Jan 2015 14:05

Tgt Ion	Ratio	Lower	Upper
266	100		
264	46.9	53.9	80.9#
268	65.6	49.2	73.8





#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

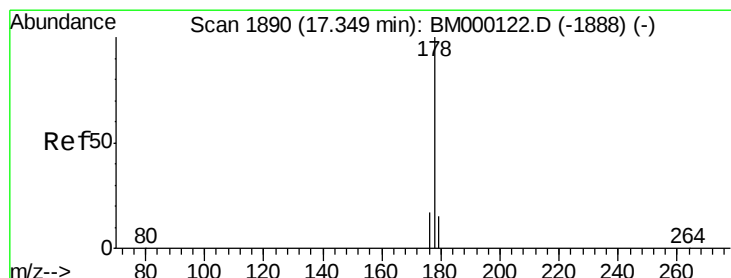
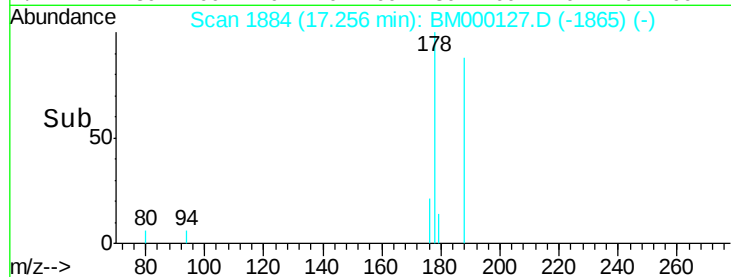
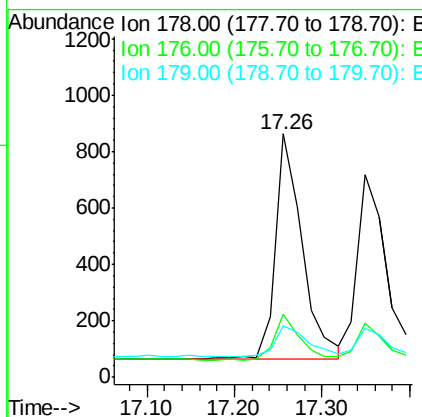
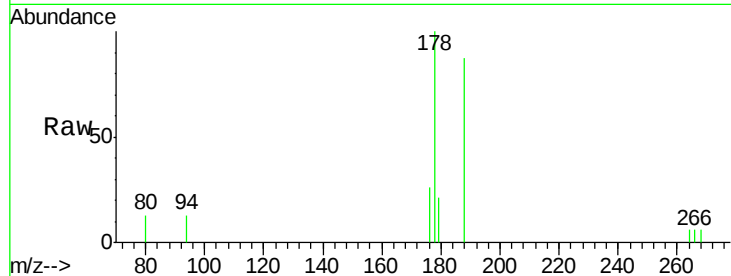
ClientSampleId :

MDL-01-W

Tot Ion:178	Resp:	1675
Ion Ratio	Lower	Upper
178	100	
176	26.1	15.1 22.7#
179	21.0	13.0 19.4#

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#13

Anthracene

Concen: 0.05 ng/ul

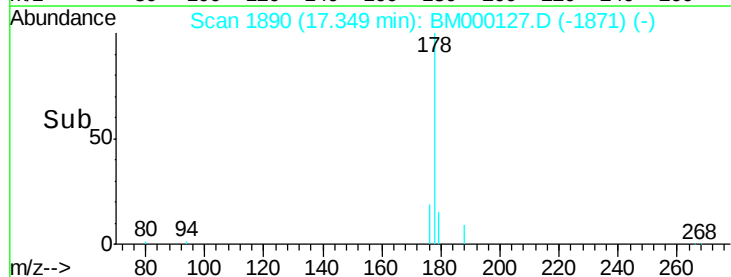
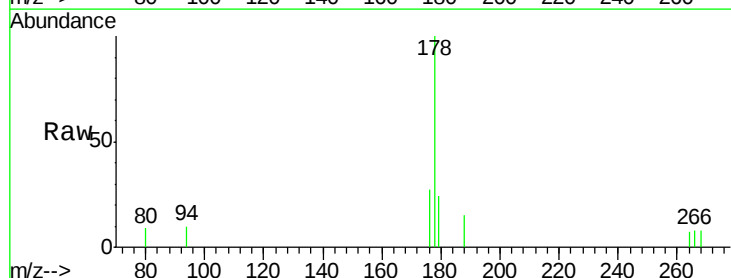
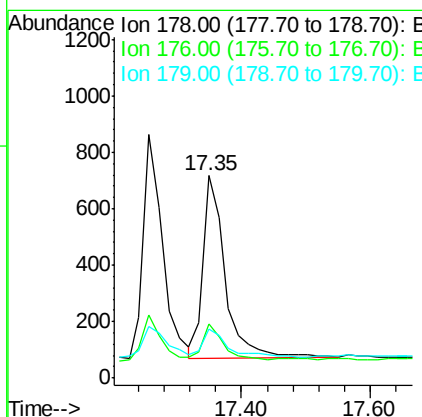
RT: 17.35 min Scan# 1890

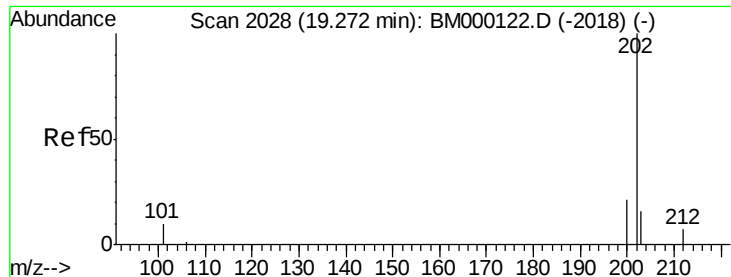
Delta R.T. -0.00 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Tgt Ion:178	Resp:	1544
Ion Ratio	Lower	Upper
178	100	
176	26.5	14.6 21.8#
179	24.0	13.1 19.7#





#15

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.28 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

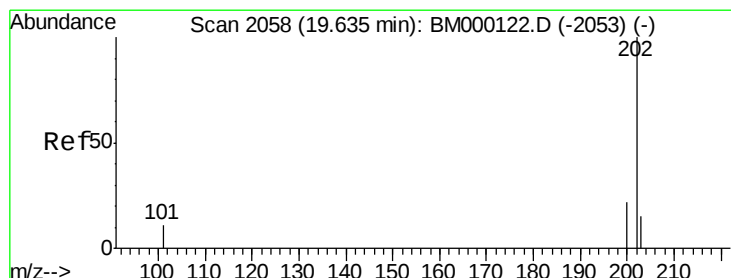
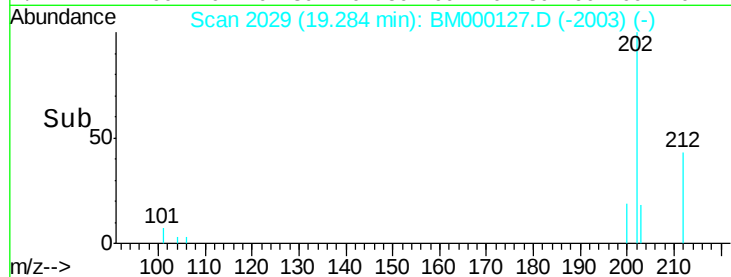
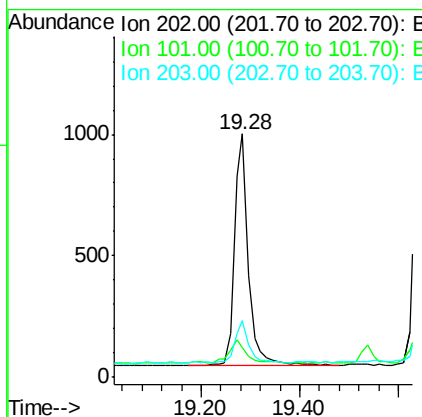
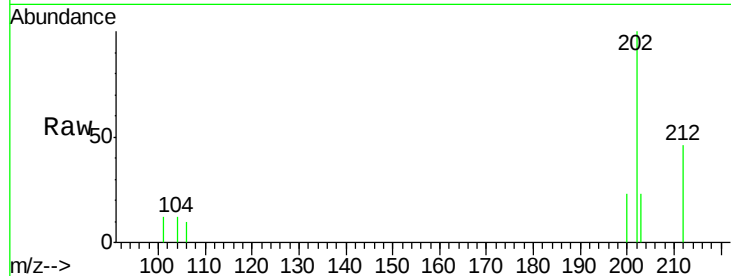
ClientSampleId :

MDL-01-W

Tot Ion:	202	Resp:	1857
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	30.5
203	23.2	0.0	36.6

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#17

Pyrene

Concen: 0.05 ng/ul

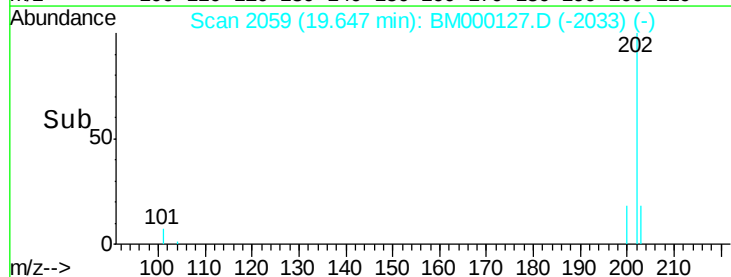
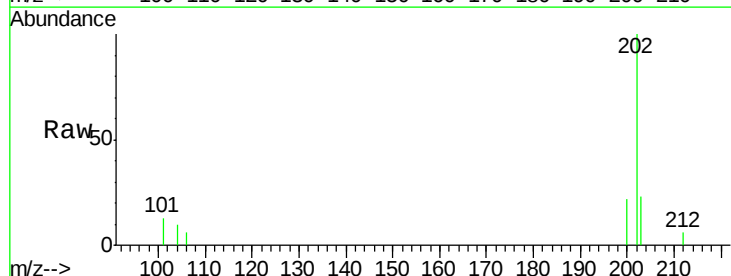
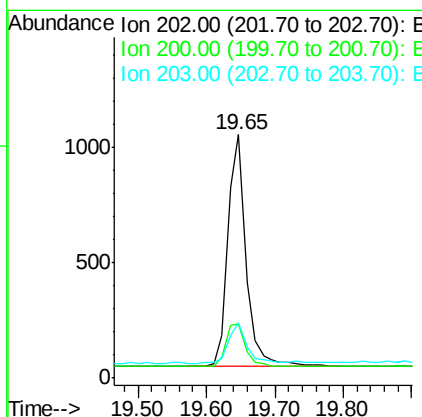
RT: 19.65 min Scan# 2059

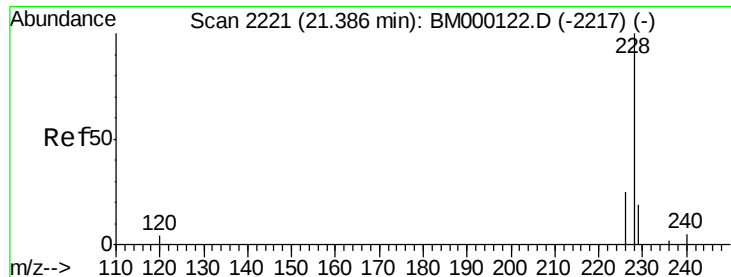
Delta R.T. 0.01 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Tgt Ion:	202	Resp:	1871
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.9	26.9
203	22.9	12.8	19.2#





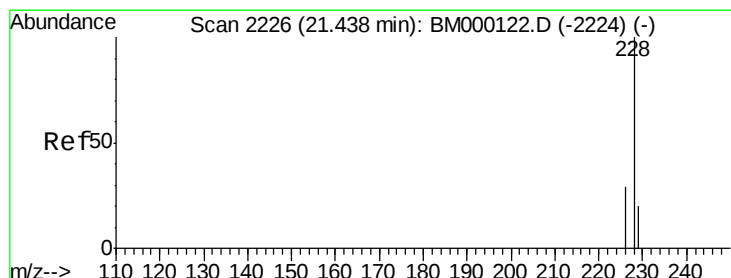
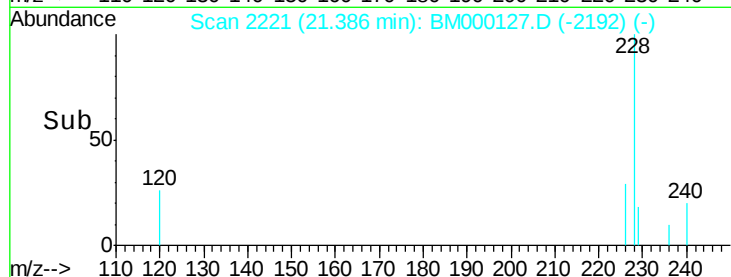
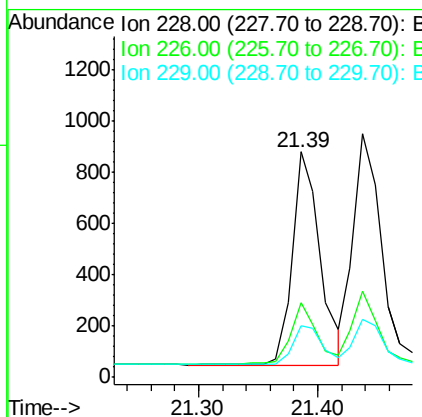
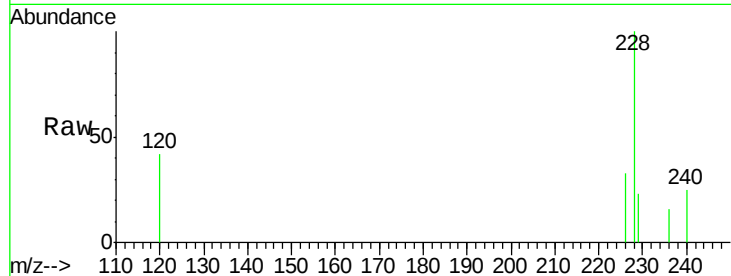
#18
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.39 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BM000127.D
Acq: 07 Jan 2015 14:05

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	20.8	31.2#
229	22.9	15.5	23.3

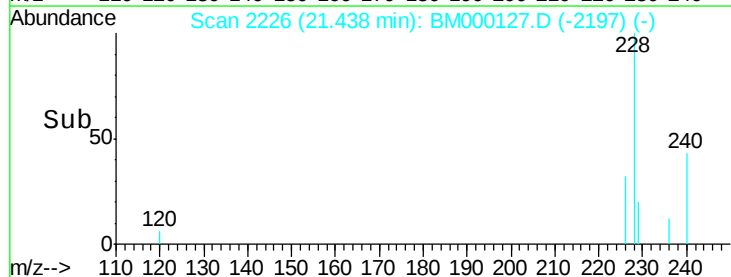
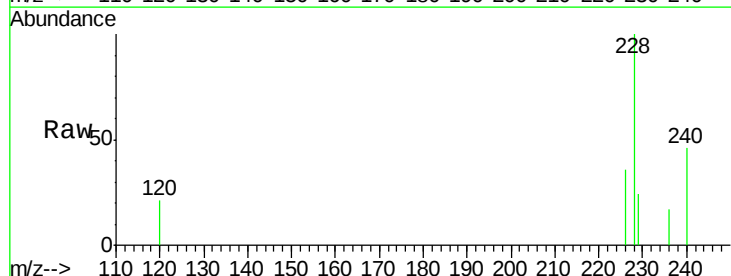
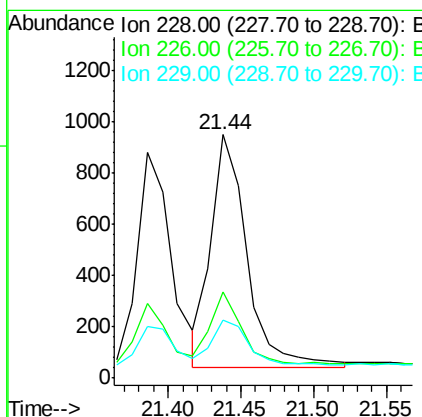
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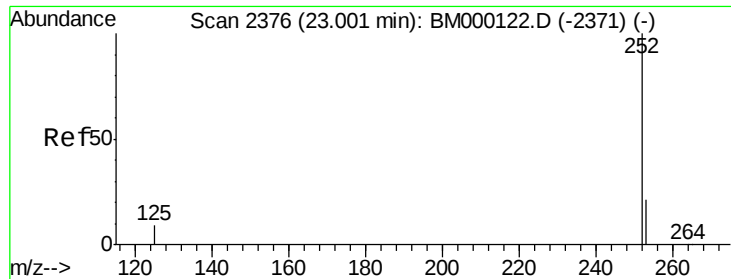
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#19
Chrysene
Concen: 0.05 ng/ul m
RT: 21.44 min Scan# 2226
Delta R.T. -0.00 min
Lab File: BM000127.D
Acq: 07 Jan 2015 14:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	23.8	35.6
229	24.0	15.8	23.8#





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 23.01 min Scan# 2377

Delta R.T. 0.01 min

Lab File: BM000127.D

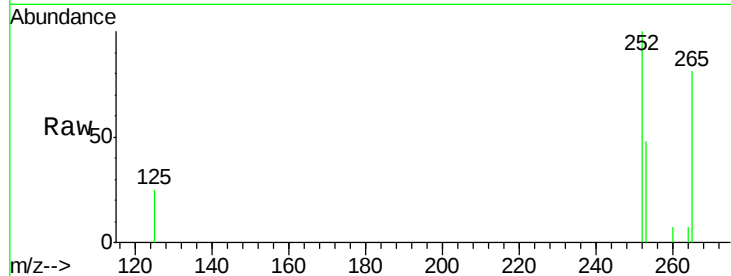
Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

ClientSampled :

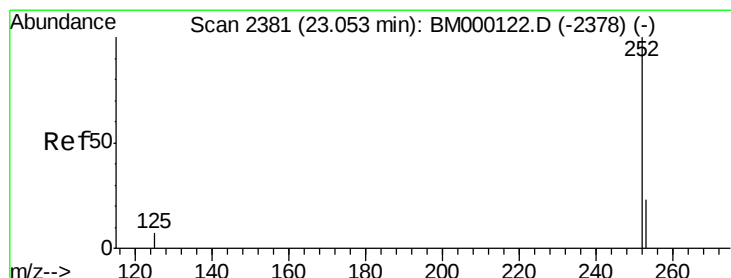
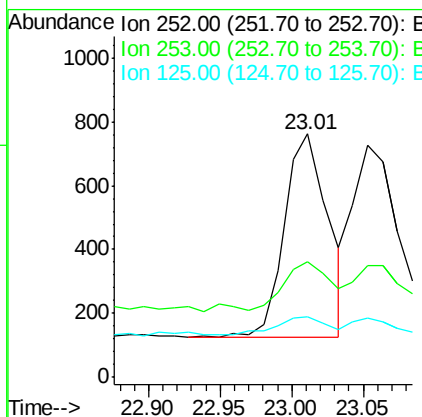
MDL-01-W



Tot Ion:	252	Resp:	1364
Ion Ratio	Lower	Upper	
252	100		
253	47.6	0.0	48.2
125	24.7	0.0	21.6#

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#22

Benzo(k)fluoranthene

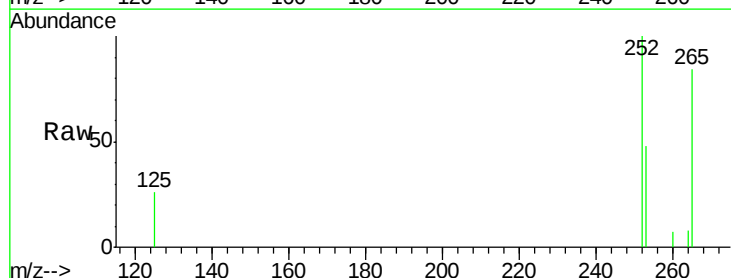
Concen: 0.05 ng/ul

RT: 23.05 min Scan# 2381

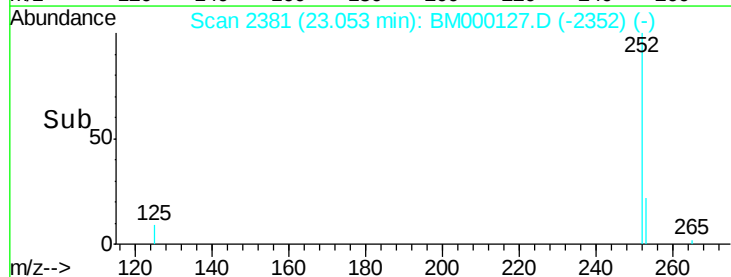
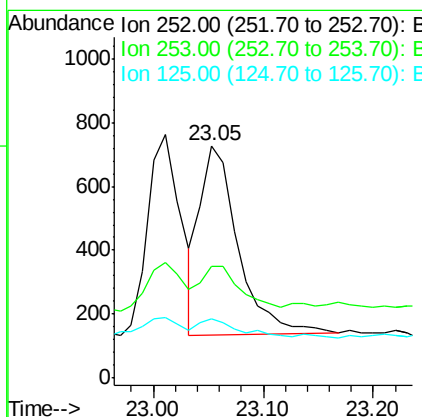
Delta R.T. -0.00 min

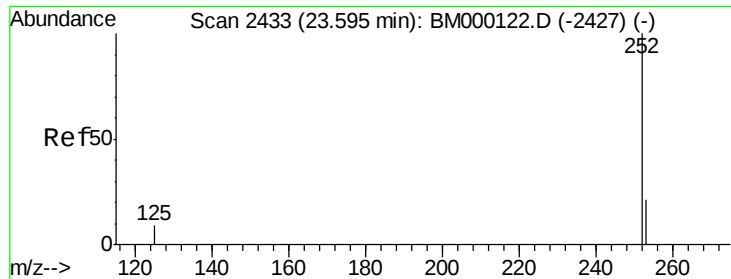
Lab File: BM000127.D

Acq: 07 Jan 2015 14:05



Tgt Ion:	252	Resp:	1428
Ion Ratio	Lower	Upper	
252	100		
253	47.9	20.5	30.7#
125	25.7	7.8	11.8#





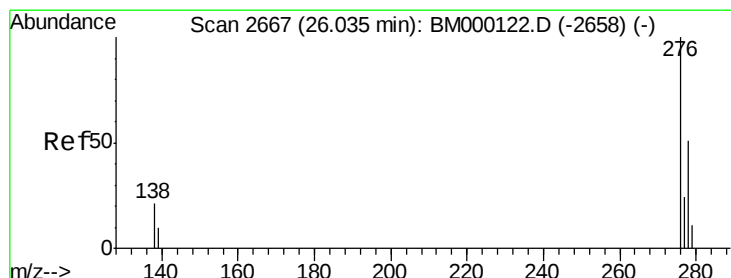
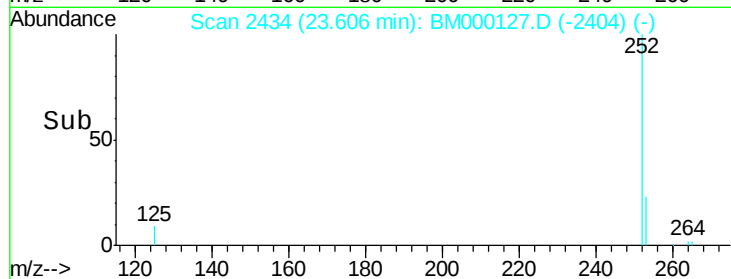
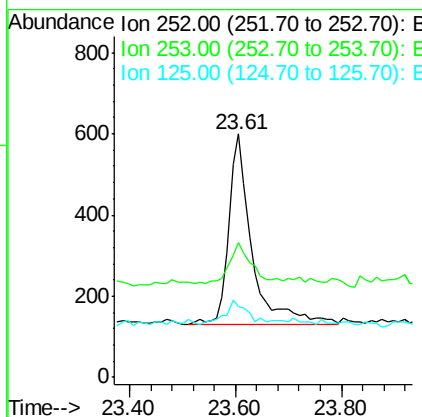
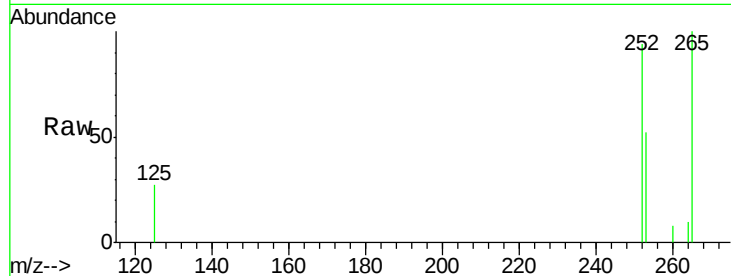
#23
Benzo(a)pyrene
Concen: 0.05 ng/ul
RT: 23.61 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BM000127.D
Acq: 07 Jan 2015 14:05

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tot Ion	Ratio	Lower	Upper
252	100		
253	55.2	19.8	29.6#
125	29.0	9.2	13.8#

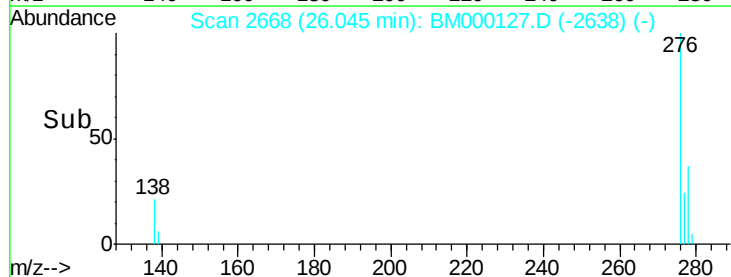
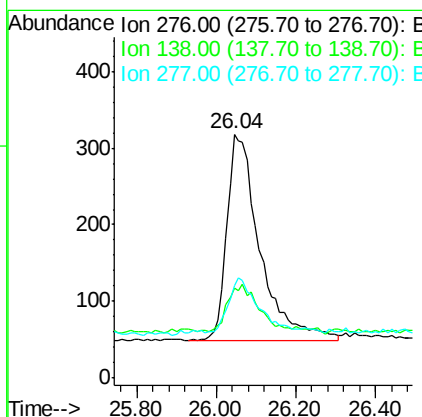
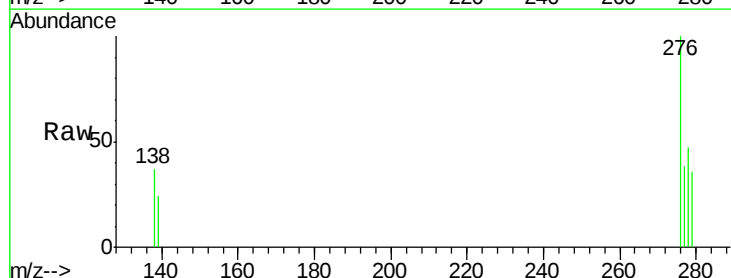
Manual Integrations
APPROVED

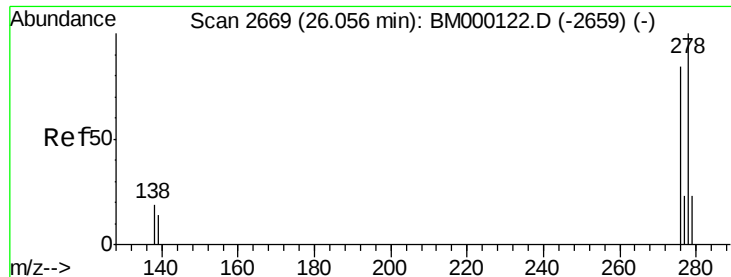
TEJASKUMAR
1/9/2015 5:44:51 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng/ul
RT: 26.04 min Scan# 2668
Delta R.T. 0.01 min
Lab File: BM000127.D
Acq: 07 Jan 2015 14:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	17.6	26.4#
277	24.7	19.9	29.9





#25

Dibenzo(a,h)anthracene

Concen: 0.05 ng/ul

RT: 26.08 min Scan# 2671

Delta R.T. 0.02 min

Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Instrument :

BNA_M

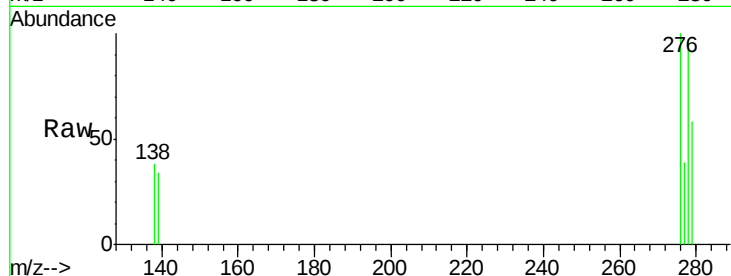
ClientSampleId :

MDL-01-W

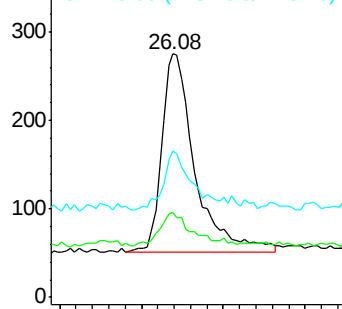
Tot Ion:	278	Resp:	1242
Ion Ratio	Lower	Upper	
278	100		
139	34.9	12.6	18.8#
279	60.4	20.6	30.8#

Manual Integrations
APPROVED

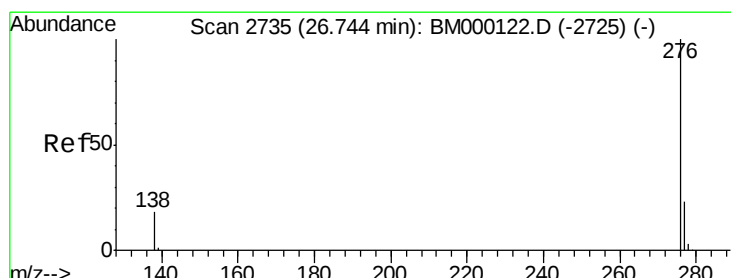
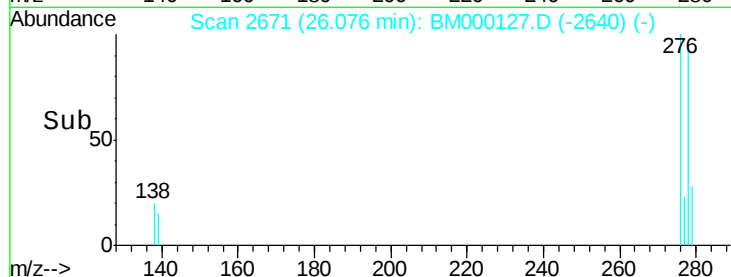
TEJASKUMAR
1/9/2015 5:44:51 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 25.80 26.00 26.20 26.40



#26

Benzo(g,h,i)perylene

Concen: 0.05 ng/ul

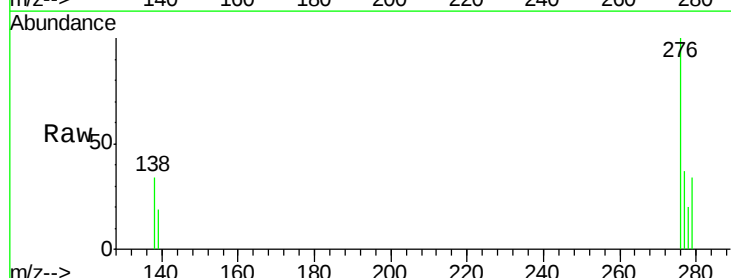
RT: 26.75 min Scan# 2736

Delta R.T. 0.01 min

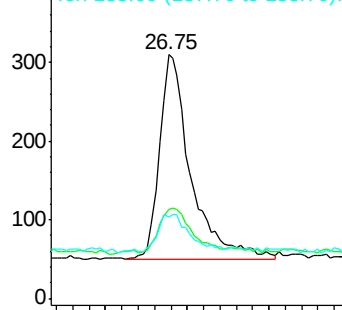
Lab File: BM000127.D

Acq: 07 Jan 2015 14:05

Tgt Ion:	276	Resp:	1377
Ion Ratio	Lower	Upper	
276	100		
277	36.8	20.0	30.0#
138	33.5	15.7	23.5#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E



Time--> 26.60 26.80 27.00

