

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007301.D
 Acq On : 26 Aug 2016 19:05
 Operator : UM/SJ
 Sample : MDL-06-S
 Misc : MDL 0.07
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-06-S

Manual Integrations
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 8/29/2016 11:35:16 AM

Quant Time: Aug 27 00:10:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 23:46:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1064	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	3908	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	2404	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	6768	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	7323	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	7424	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.19	152	1743	0.36	ng/ul	0.01
14) Fluoranthene-d10	19.21	212	5917	0.39	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.65	128	554	0.06	ng/ul#	51
5) 2-Methylnaphthalene	12.27	142	355	0.05	ng/ul	91
7) Acenaphthylene	14.14	152	587	0.05	ng/ul#	65
8) Acenaphthene	14.49	153	462	0.06	ng/ul#	78
9) Fluorene	15.50	166	551	0.06	ng/ul#	80
11) Pentachlorophenol	16.85	266	72	0.04	ng/ul	95
12) Phenanthrene	17.21	178	1128	0.06	ng/ul#	79
13) Anthracene	17.31	178	874	0.05	ng/ul#	74
15) Fluoranthene	19.24	202	1541	0.07	ng/ul	85
17) Pyrene	19.60	202	1568	0.06	ng/ul#	92
18) Benzo(a)anthracene	21.35	228	1228	0.05	ng/ul#	89
19) Chrysene	21.40	228	1636m	0.07	ng/ul	
21) Benzo(b)fluoranthene	22.94	252	1614	0.06	ng/ul	76
22) Benzo(k)fluoranthene	22.99	252	1416	0.06	ng/ul#	77
23) Benzo(a)pyrene	23.53	252	1429	0.06	ng/ul#	68
24) Indeno(1,2,3-cd)pyrene	25.93	276	1598	0.05	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.95	278	1191	0.05	ng/ul#	74
26) Benzo(g,h,i)perylene	26.63	276	1511	0.06	ng/ul#	85

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

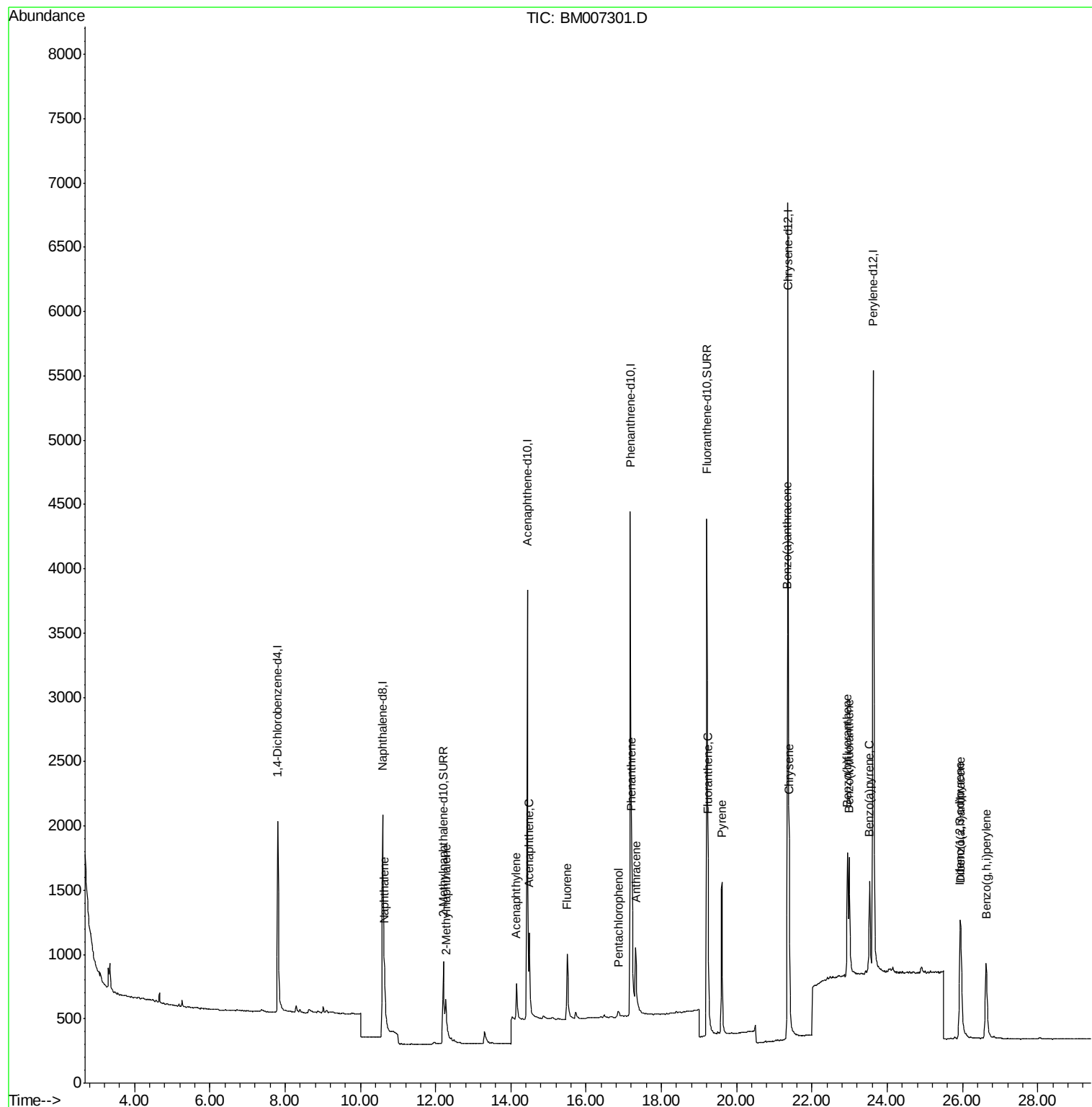
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
Data File : BM007301.D
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ALS Vial : 8 Sample Multiplier: 1

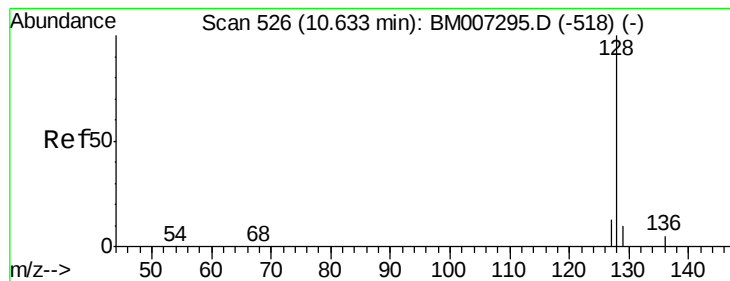
Instrument :
BNA_M
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MDL-06-S

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QLast Update : Fri Aug 26 23:46:46 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.06 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

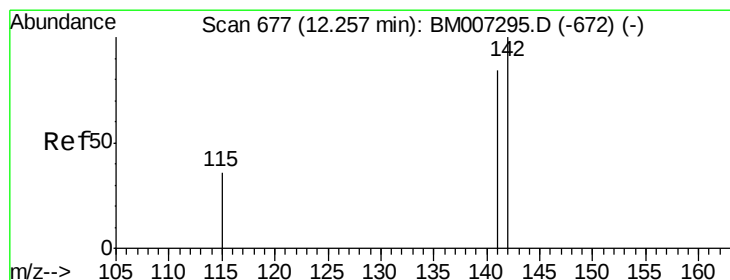
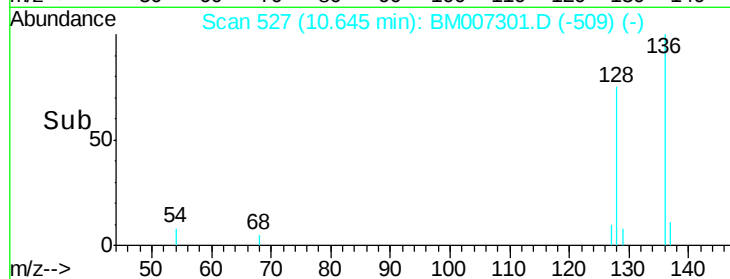
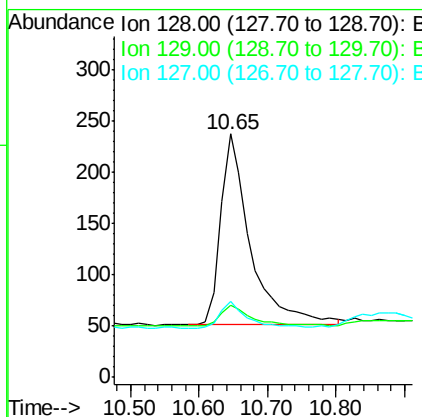
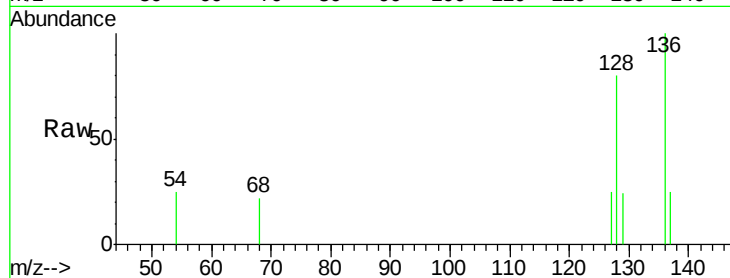
ClientSampleId :

MDL-06-S

Tgt Ion:	128	Resp:	554
Ion Ratio	Lower	Upper	
128	100		
129	29.8	9.0	13.6#
127	31.1	9.6	14.4#

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#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

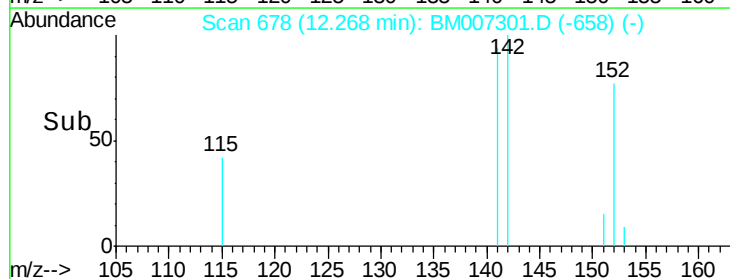
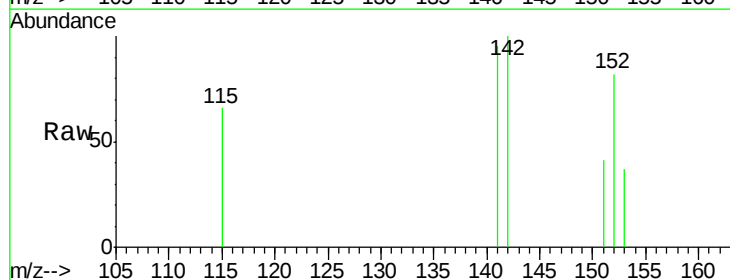
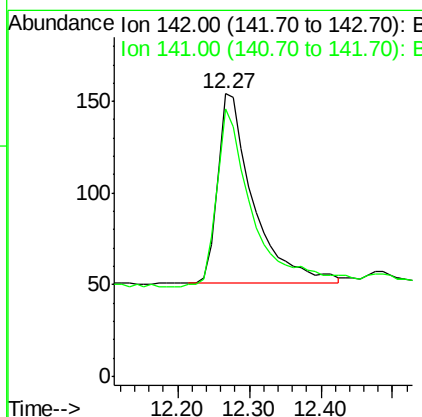
RT: 12.27 min Scan# 678

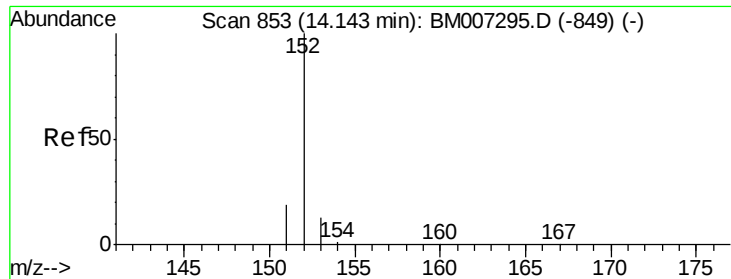
Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Tgt Ion:	142	Resp:	355
Ion Ratio	Lower	Upper	
142	100		
141	96.3	70.3	105.5





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

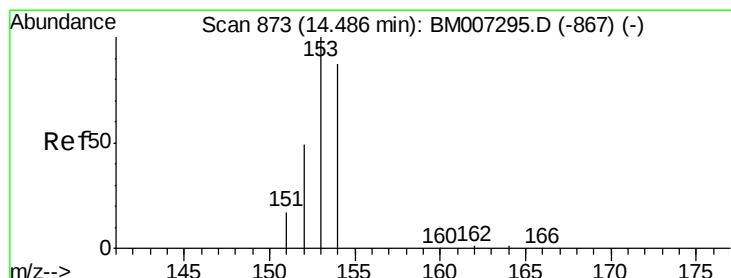
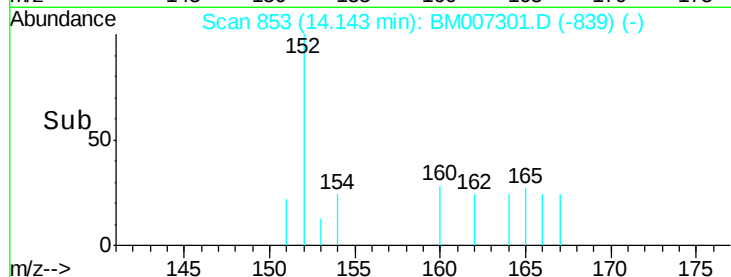
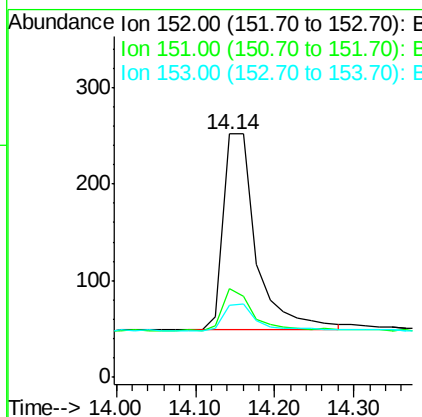
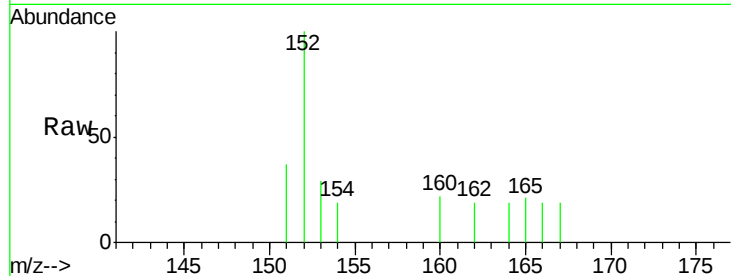
ClientSampleId :

MDL-06-S

Tgt Ion:	152	Resp:	587
Ion Ratio	Lower	Upper	
152	100		
151	36.5	17.6	26.4#
153	29.4	9.7	14.5#

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#8

Acenaphthene

Concen: 0.06 ng/ul

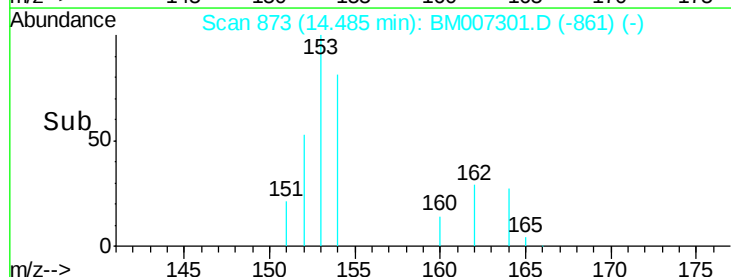
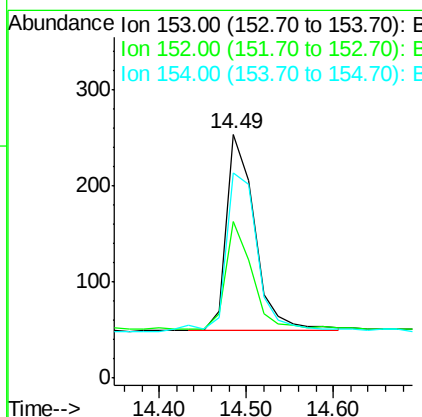
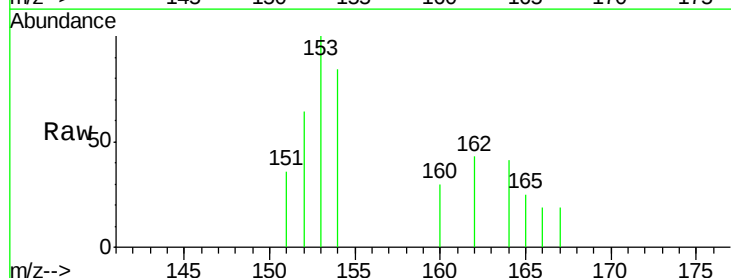
RT: 14.49 min Scan# 873

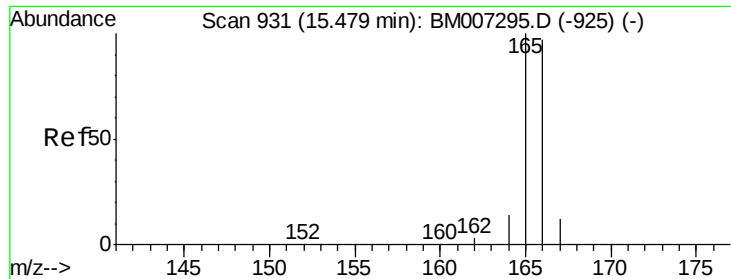
Delta R.T. -0.00 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Tgt Ion:	153	Resp:	462
Ion Ratio	Lower	Upper	
153	100		
152	64.0	33.9	50.9#
154	84.2	80.6	121.0





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.50 min Scan# 932

Delta R.T. 0.02 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

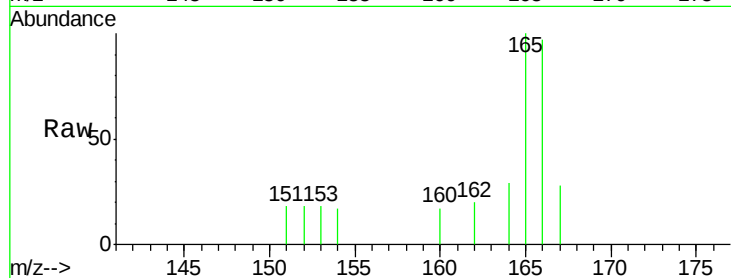
ClientSampleId :

MDL-06-S

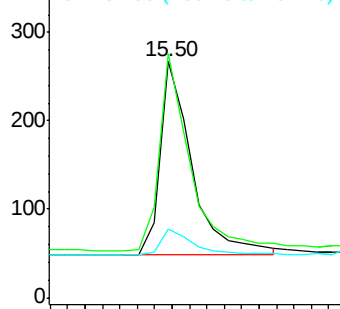
Tgt Ion:	166	Resp:	551
Ion Ratio	Lower	Upper	
166	100		
165	103.4	69.6	104.4
167	28.8	11.9	17.9

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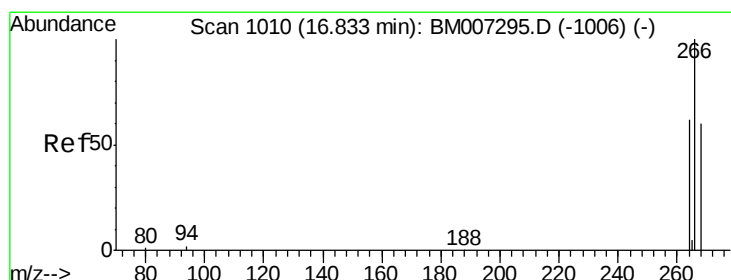
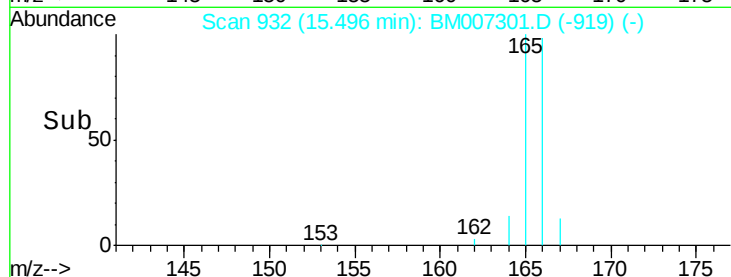
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.85 min Scan# 1011

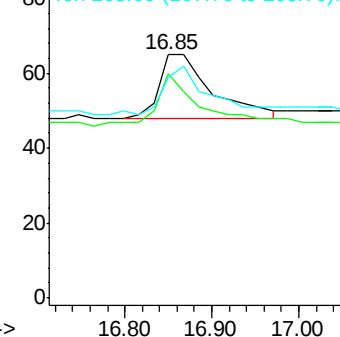
Delta R.T. 0.02 min

Lab File: BM007301.D

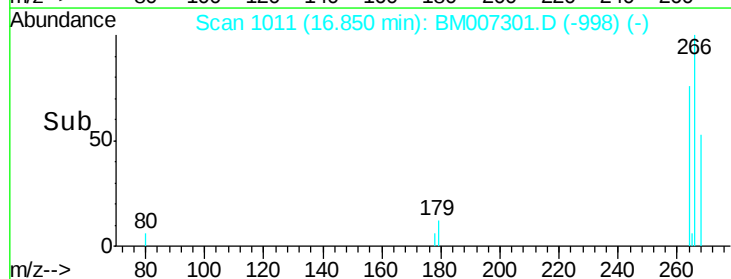
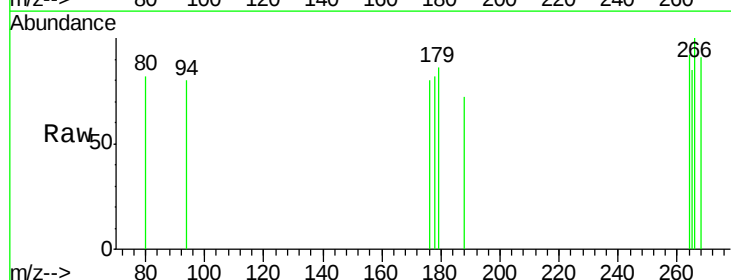
Acq: 26 Aug 2016 19:05

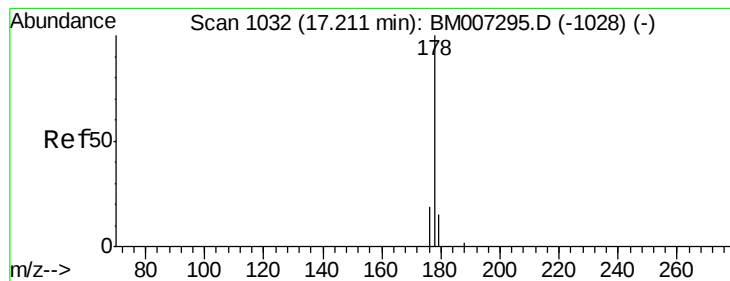
Tgt Ion:	266	Resp:	72
Ion Ratio	Lower	Upper	
266	100		
264	66.7	51.8	77.8
268	63.9	46.8	70.2

Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.06 ng/u1

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

MDL-06-S

Tgt Ion:178 Resp: 1128

Ion Ratio Lower Upper

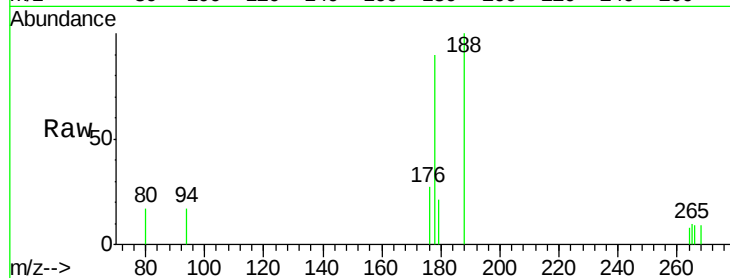
178 100

176 29.5 13.0 19.4#

179 23.1 14.2 21.2#

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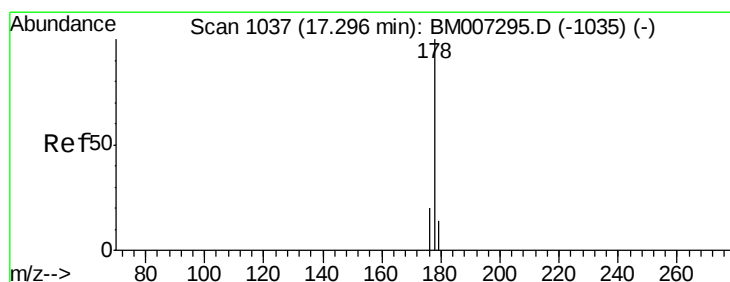
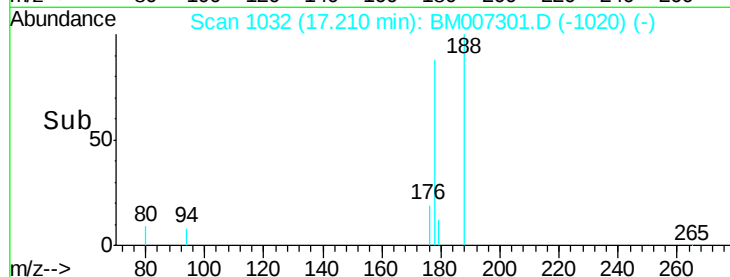
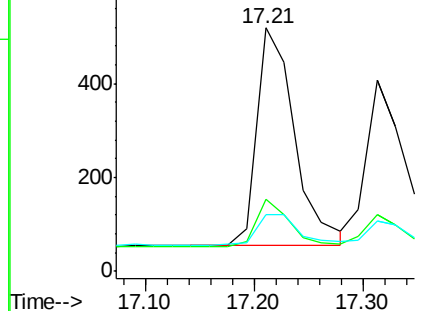
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#13

Anthracene

Concen: 0.05 ng/u1

RT: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Tgt Ion:178 Resp: 874

Ion Ratio Lower Upper

178 100

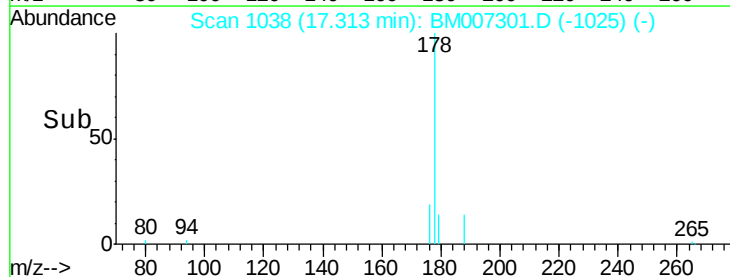
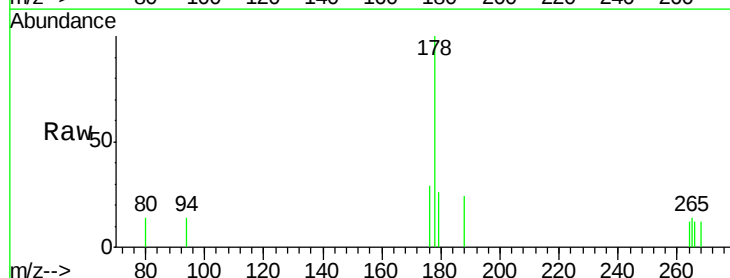
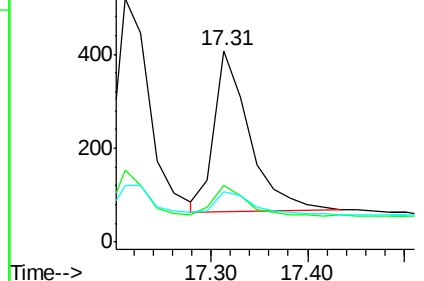
176 29.4 14.0 21.0#

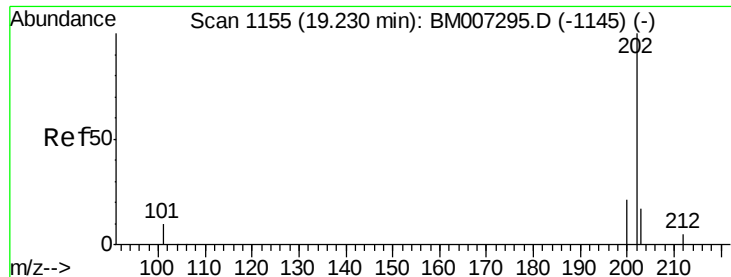
179 26.5 12.9 19.3#

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





#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.24 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

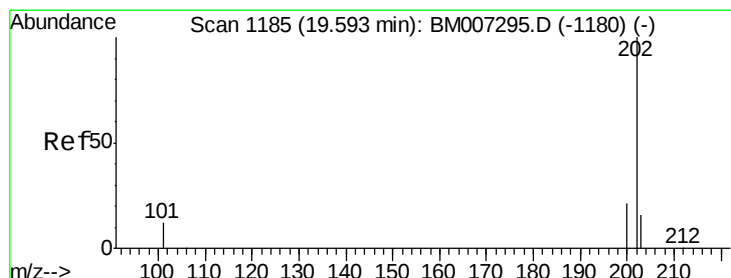
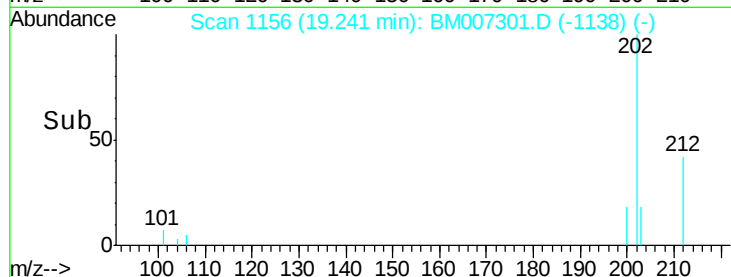
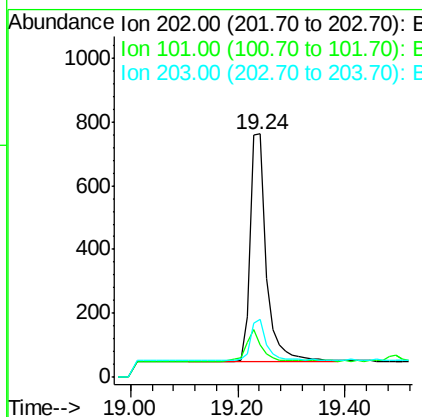
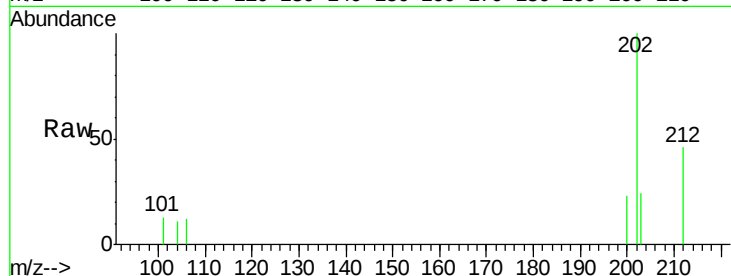
ClientSampleId :

MDL-06-S

Tgt Ion:	202	Resp:	1541
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	29.6
203	23.8	0.0	36.3

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#17

Pyrene

Concen: 0.06 ng/ul

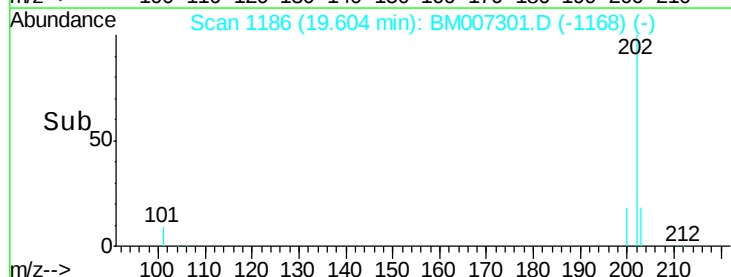
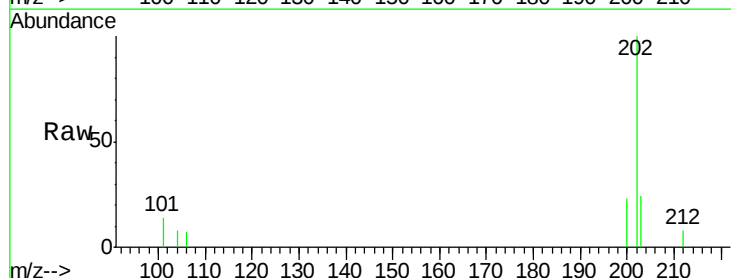
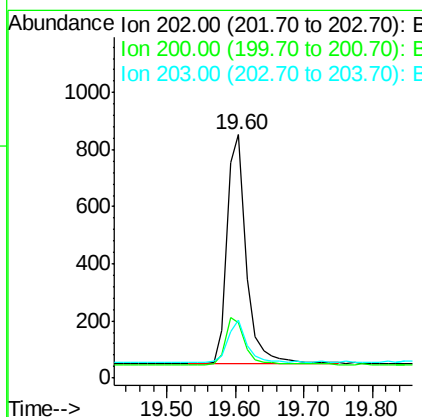
RT: 19.60 min Scan# 1186

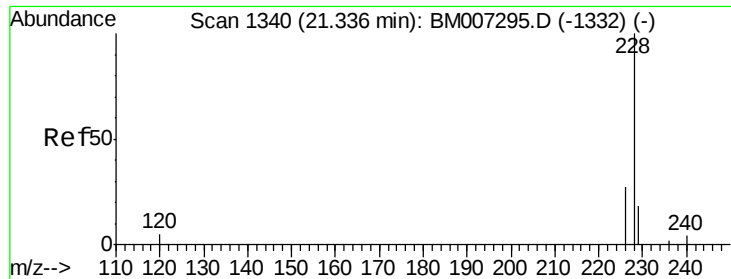
Delta R.T. 0.01 min

Lab File: BM007301.D

Acq: 26 Aug 2016 19:05

Tgt Ion:	202	Resp:	1568
Ion Ratio	Lower	Upper	
202	100		
200	23.0	17.8	26.8
203	23.6	12.8	19.2#





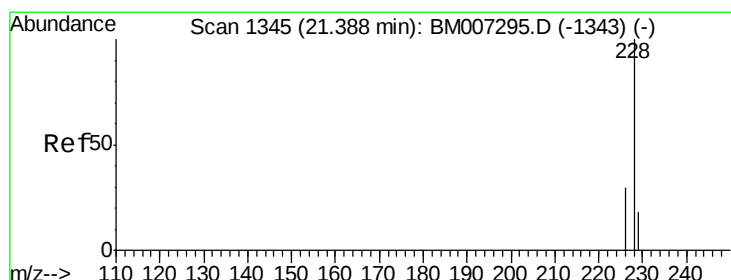
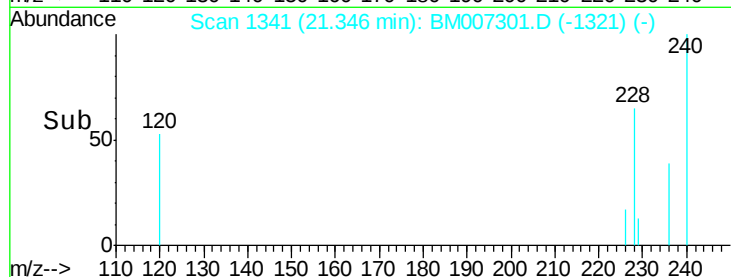
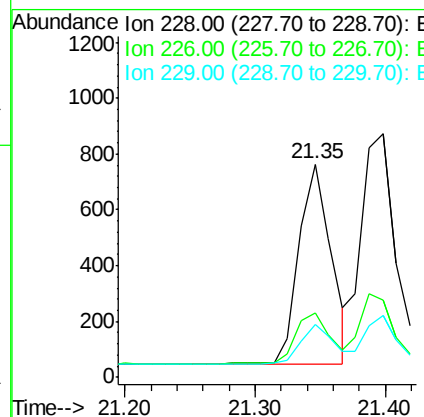
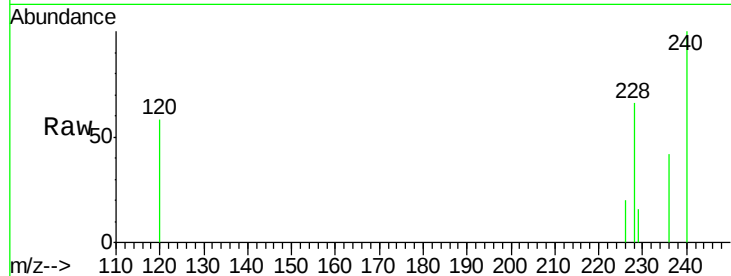
#18
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.35 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BM007301.D
Acq: 26 Aug 2016 19:05

Instrument :
BNA_M
ClientSampled :
MDL-06-S

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	18.8	28.2#
229	24.6	17.1	25.7

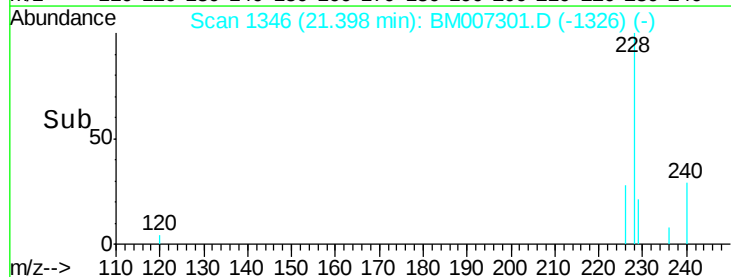
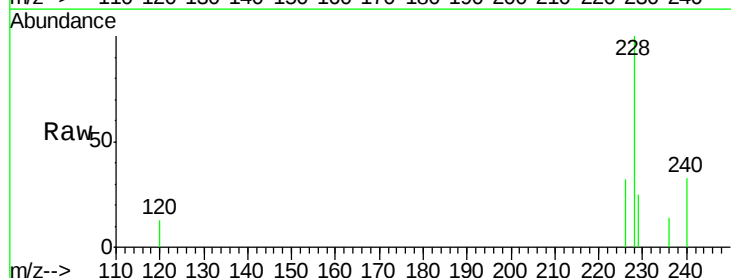
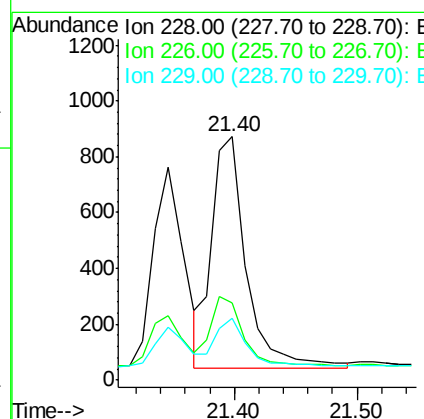
Manual Integrations
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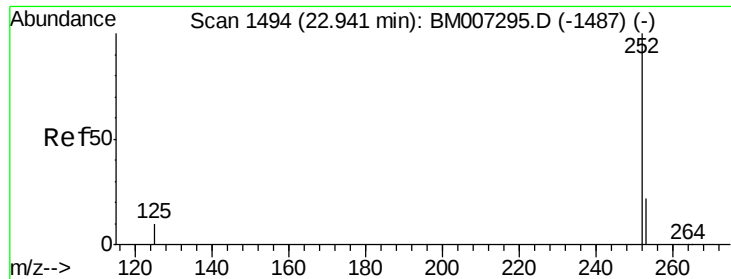
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#19
Chrysene
Concen: 0.07 ng/ul m
RT: 21.40 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BM007301.D
Acq: 26 Aug 2016 19:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	21.2	31.8#
229	25.5	17.0	25.6





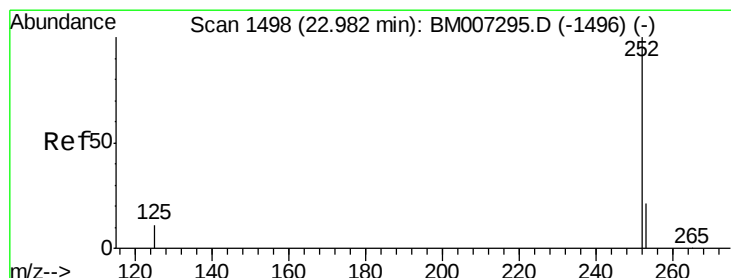
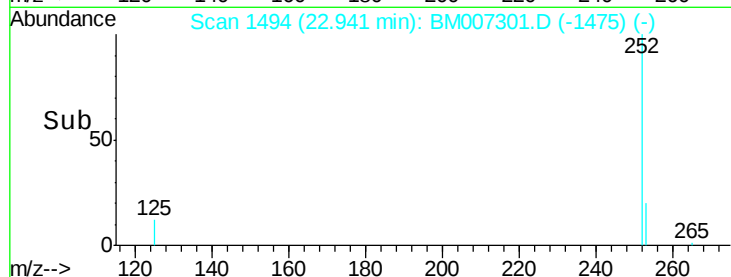
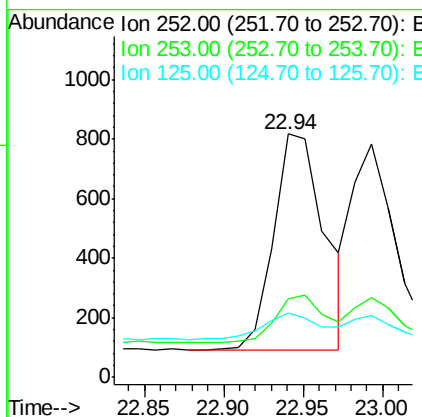
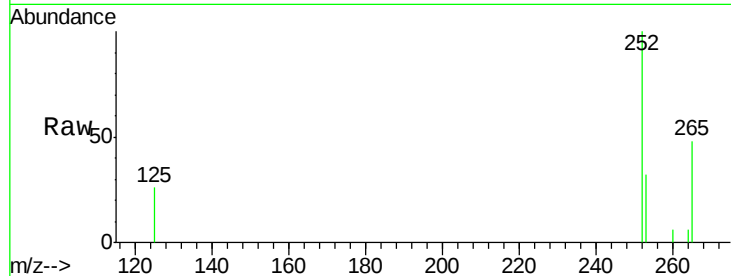
#21
Benzo(b)fluoranthene
Concen: 0.06 ng/u1
RT: 22.94 min Scan# 1494
Delta R.T. -0.00 min
Lab File: BM007301.D
Acq: 26 Aug 2016 19:05

Instrument :
BNA_M
ClientSampled :
MDL-06-S

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1614		
253	32.4	0.0	45.4	
125	26.4	0.0	28.8	

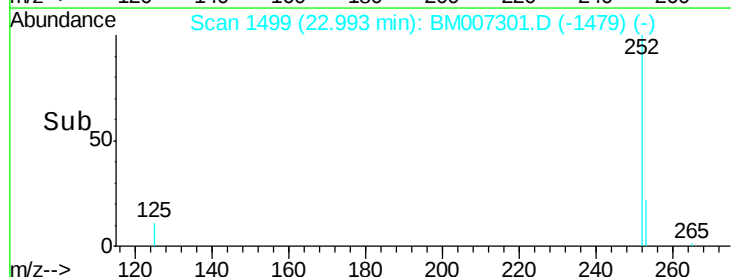
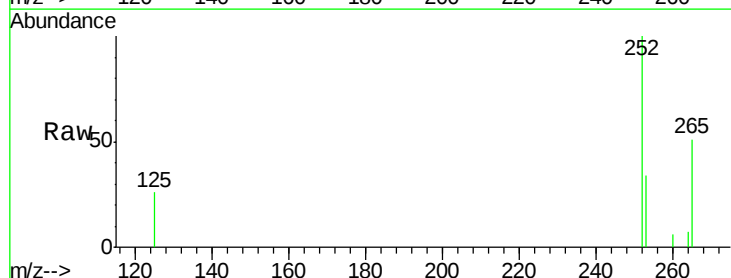
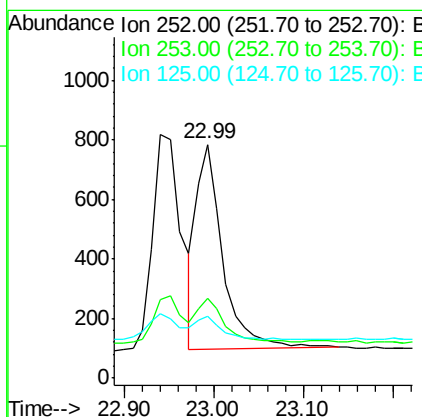
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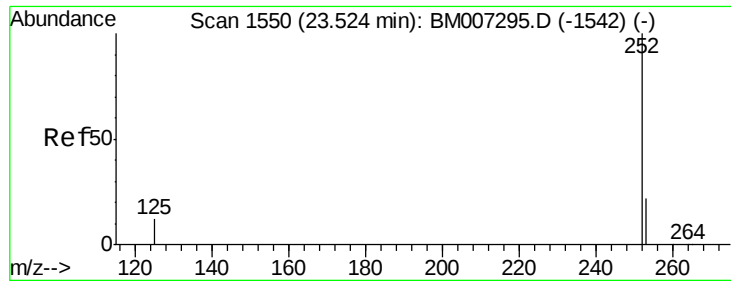
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#22
Benzo(k)fluoranthene
Concen: 0.06 ng/u1
RT: 22.99 min Scan# 1499
Delta R.T. 0.01 min
Lab File: BM007301.D
Acq: 26 Aug 2016 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1416		
253	33.9	19.8	29.8#	
125	26.3	10.4	15.6#	





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.53 min Scan# 1551

Delta R.T. 0.01 min

Lab File: BM007301.D

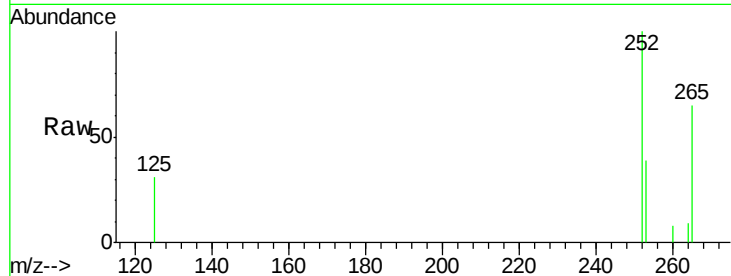
Acq: 26 Aug 2016 19:05

Instrument :

BNA_M

ClientSampleId :

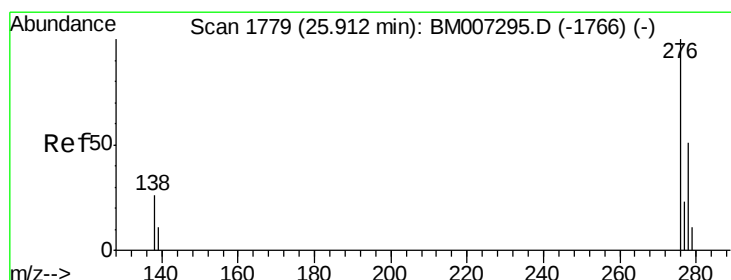
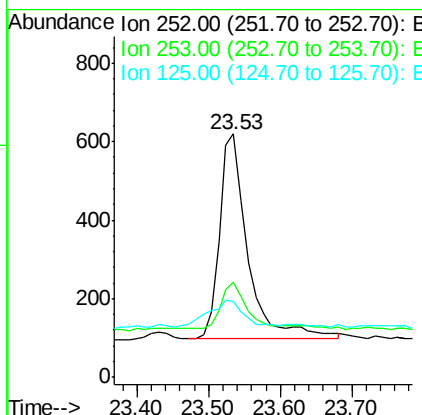
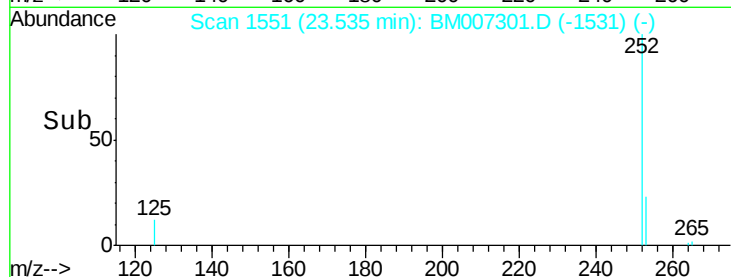
MDL-06-S



Tgt Ion:	252	Resp:	1429
Ion Ratio	Lower	Upper	
252	100		
253	38.9	19.4	29.2#
125	31.3	12.7	19.1#

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#24

Indeno(1,2,3-cd)pyrene

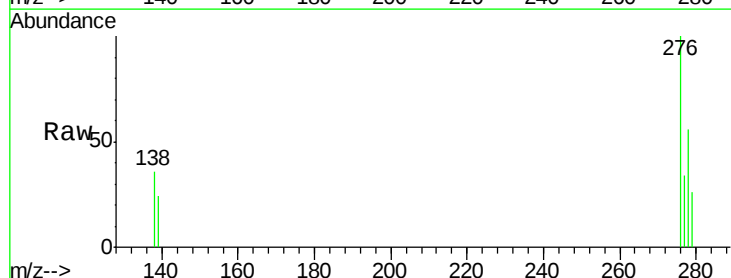
Concen: 0.05 ng/ul

RT: 25.93 min Scan# 1781

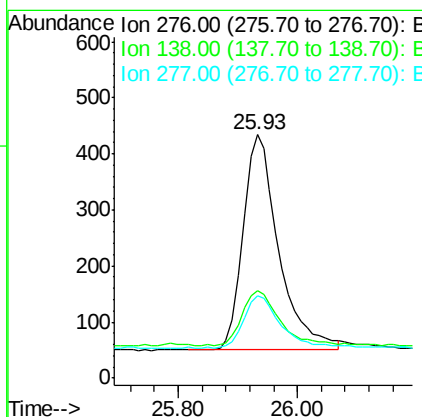
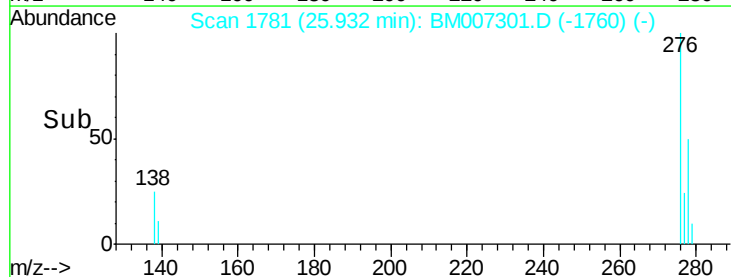
Delta R.T. 0.02 min

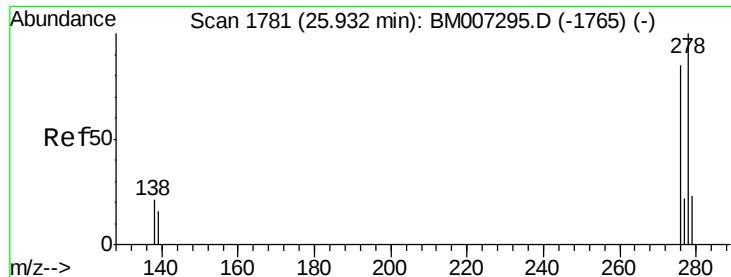
Lab File: BM007301.D

Acq: 26 Aug 2016 19:05



Tgt Ion:	276	Resp:	1598
Ion Ratio	Lower	Upper	
276	100		
138	27.4	16.3	24.5#
277	24.3	19.8	29.8





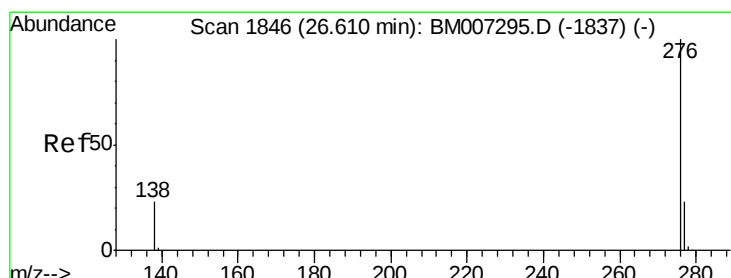
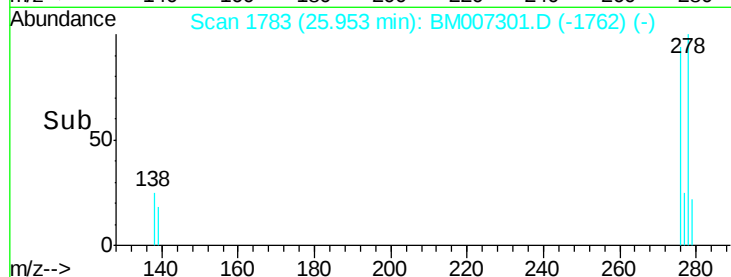
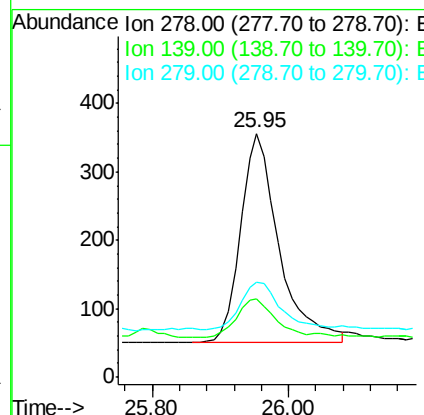
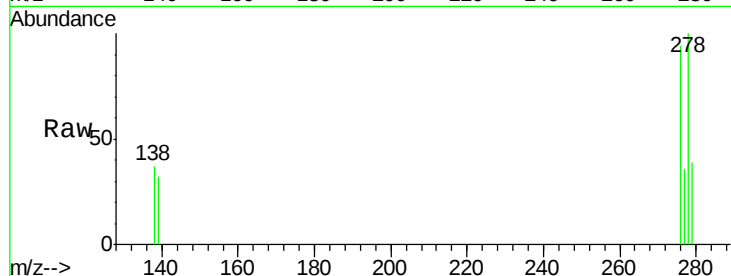
#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.95 min Scan# 1783
Delta R.T. 0.02 min
Lab File: BM007301.D
Acq: 26 Aug 2016 19:05

Instrument :
BNA_M
ClientSampleId :
MDL-06-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.0	16.4	24.6#
279	39.0	20.2	30.2#

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#26
Benzo(g,h,i)perylene
Concen: 0.06 ng/ul
RT: 26.63 min Scan# 1848
Delta R.T. 0.02 min
Lab File: BM007301.D
Acq: 26 Aug 2016 19:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.9	18.9	28.3#
138	34.5	22.5	33.7#

