

Data Path : Z:\HPCHEM1\BNA M\DATA\BM090315\
 Data File : BM002662.D
 Acq On : 03 Sep 2015 23:46
 Operator : UM/IZ
 Sample : MDL-03-S
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-03-S

Quant Time: Sep 04 04:38:07 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 04 04:35:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	7078	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	28219	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	11855	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	19954	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	16966	0.40	ng/ul	0.00
22) Perylene-d12	24.78	264	16826	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.80	96	33	0.00	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	13.17	152	17071	0.45	ng/ul	0.00
16) Fluoranthene-d10	20.03	212	21848	0.48	ng/ul	-0.01

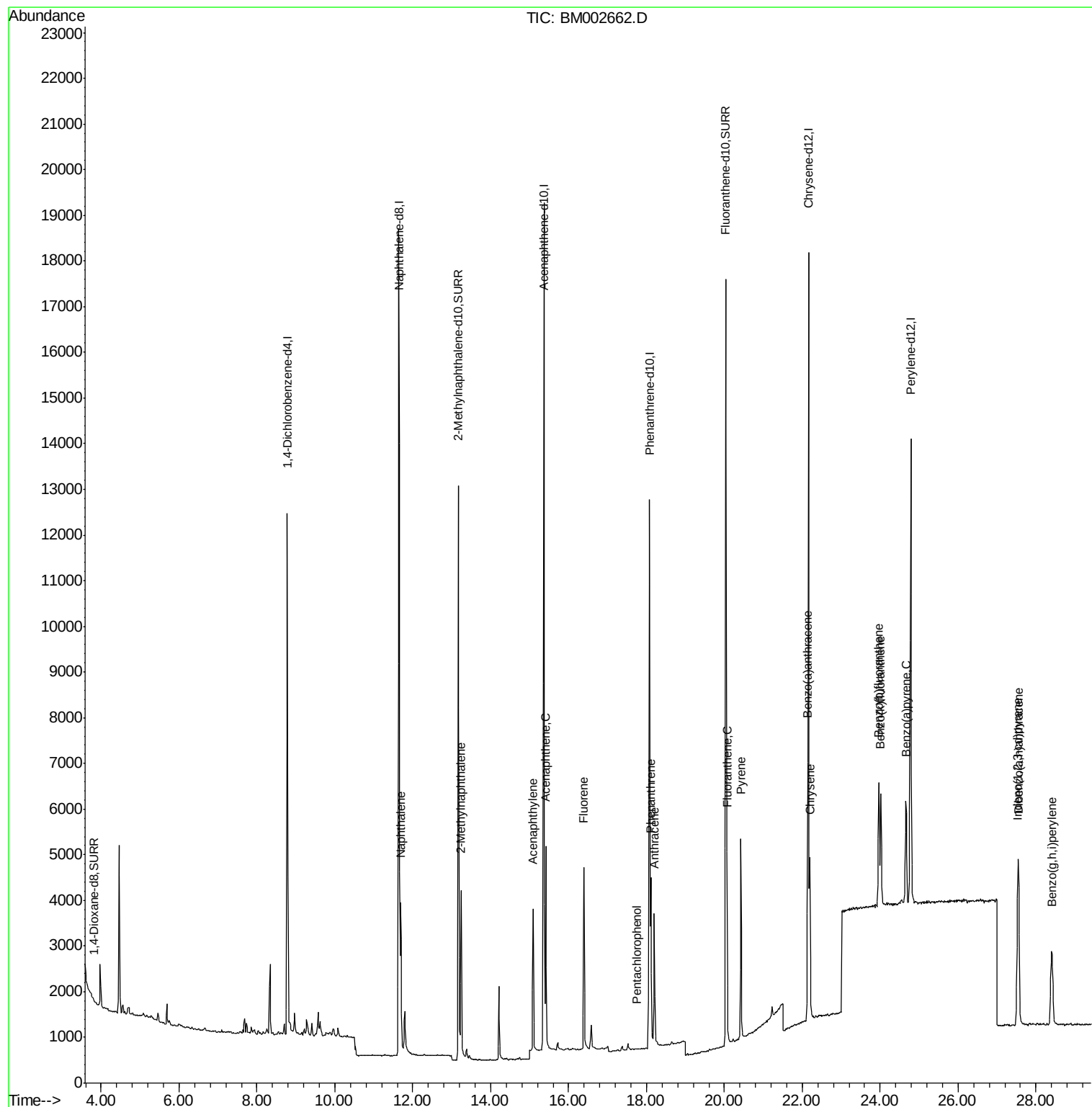
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	11.69	128	4665	0.06	ng/ul	96
7) 2-Methylnaphthalene	13.25	142	3483	0.07	ng/ul	92
9) Acenaphthylene	15.09	152	4127	0.07	ng/ul	98
10) Acenaphthene	15.42	153	2817	0.06	ng/ul	97
11) Fluorene	16.39	166	2927	0.06	ng/ul	92
13) Pentachlorophenol	17.75	266	14	0.01	ng/ul#	16
14) Phenanthrene	18.11	178	4020	0.07	ng/ul	96
15) Anthracene	18.20	178	3743	0.06	ng/ul	96
17) Fluoranthene	20.07	202	4258	0.07	ng/ul	90
19) Pyrene	20.42	202	4295	0.07	ng/ul#	94
20) Benzo(a)anthracene	22.14	228	4009	0.07	ng/ul#	91
21) Chrysene	22.20	228	3888	0.07	ng/ul#	91
23) Benzo(b)fluoranthene	23.96	252	4398	0.07	ng/ul#	57
24) Benzo(k)fluoranthene	24.01	252	3882	0.07	ng/ul#	52
25) Benzo(a)pyrene	24.66	252	3852	0.07	ng/ul#	51
26) Indeno(1,2,3-cd)pyrene	27.54	276	4619	0.07	ng/ul	98
27) Dibenzo(a,h)anthracene	27.55	278	3682	0.07	ng/ul#	71
28) Benzo(a,h,i)perylene	28.40	276	3960	0.07	ng/ul#	77

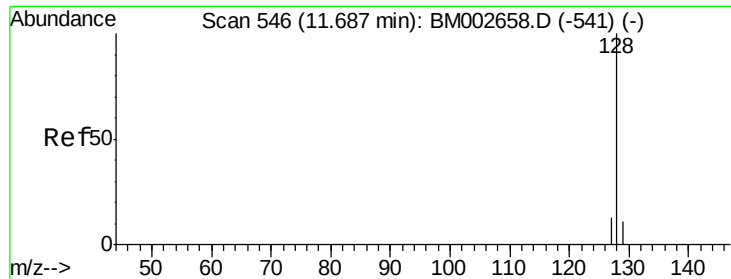
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.06 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

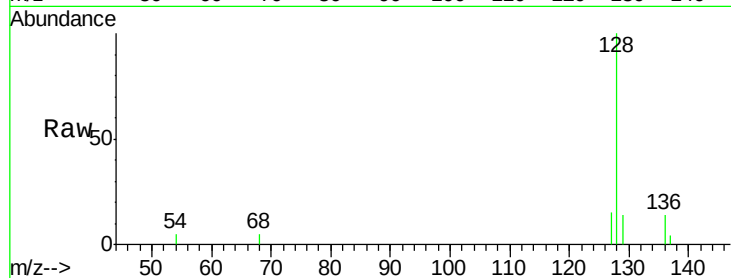
Tot Ion:128 Resp: 4665

Ion Ratio Lower Upper

128 100

129 14.0 9.8 14.8

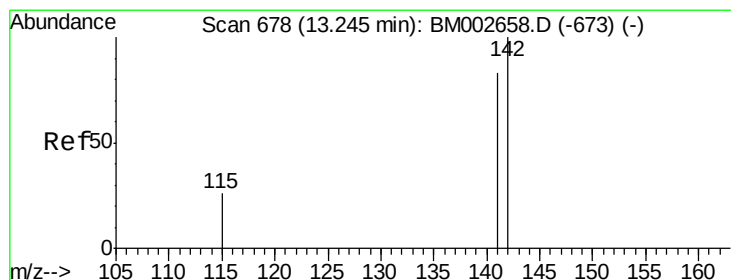
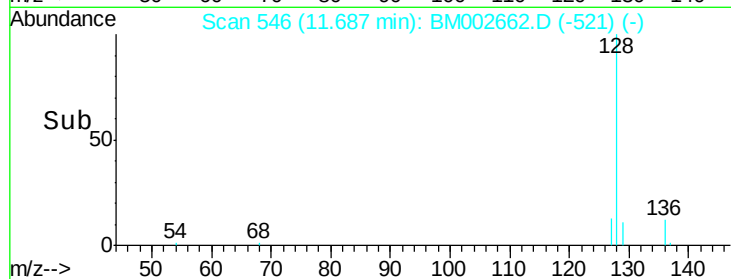
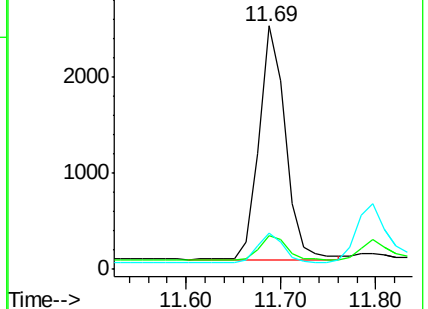
127 15.1 10.7 16.1



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



#7

2-Methylnaphthalene

Concen: 0.07 ng/ul

RT: 13.25 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM002662.D

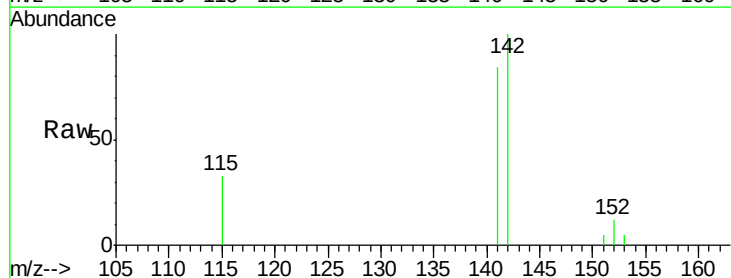
Acq: 03 Sep 2015 23:46

Tgt Ion:142 Resp: 3483

Ion Ratio Lower Upper

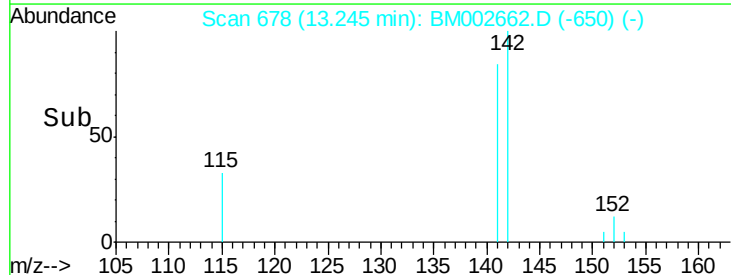
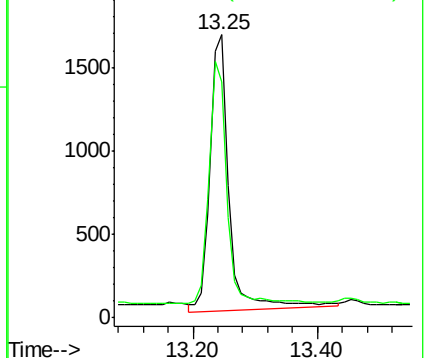
142 100

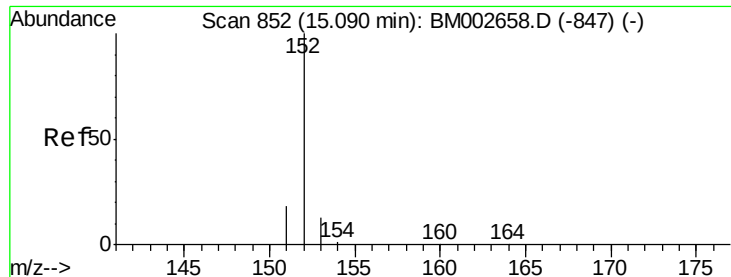
141 95.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.07 ng/ul

RT: 15.09 min Scan# 852

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

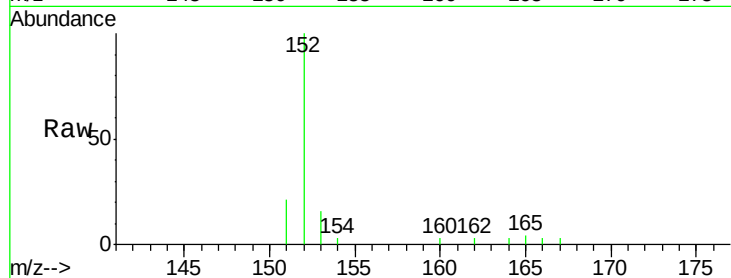
Tot Ion:152 Resp: 4127

Ion Ratio Lower Upper

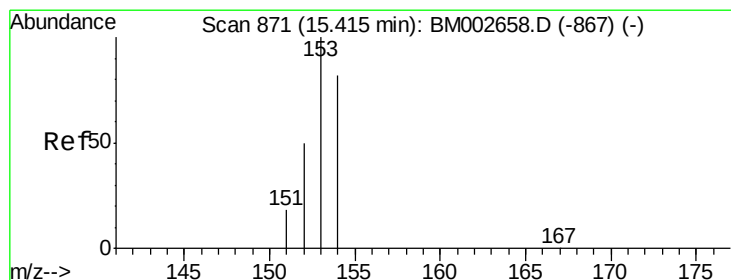
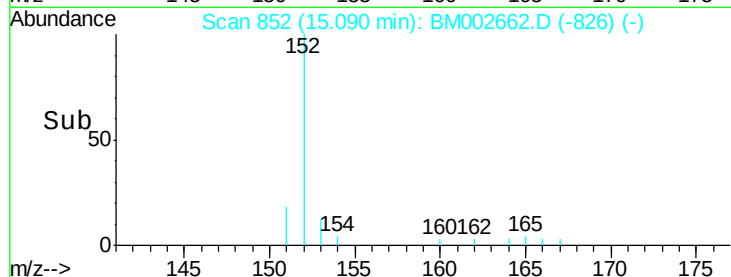
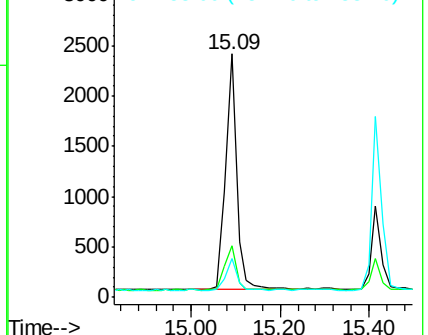
152 100

151 21.0 16.8 25.2

153 15.8 11.3 16.9



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



#10

Acenaphthene

Concen: 0.06 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

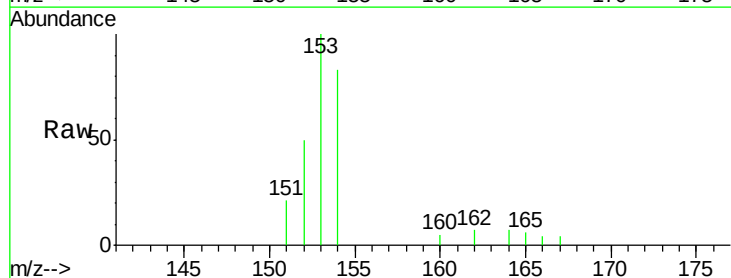
Tgt Ion:153 Resp: 2817

Ion Ratio Lower Upper

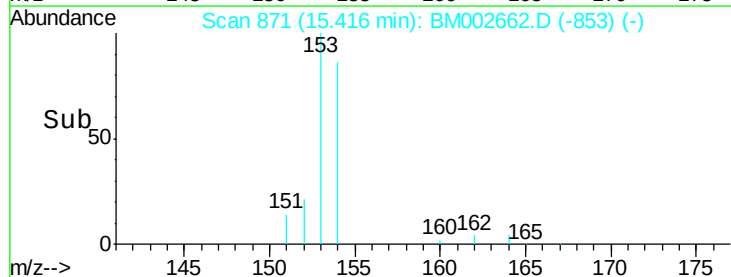
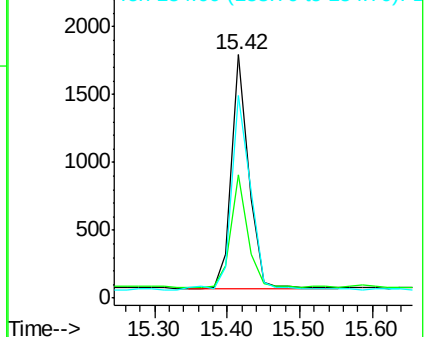
153 100

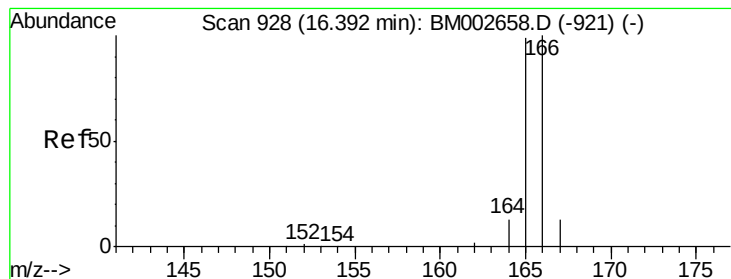
152 50.5 42.3 63.5

154 83.5 64.7 97.1



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





#11

Fluorene

Concen: 0.06 ng/ul

RT: 16.39 min Scan# 928

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

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MDL-03-S

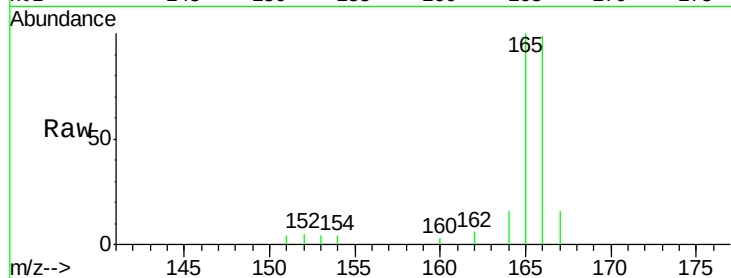
Tot Ion:166 Resp: 2927

Ion Ratio Lower Upper

166 100

165 101.1 87.6 131.4

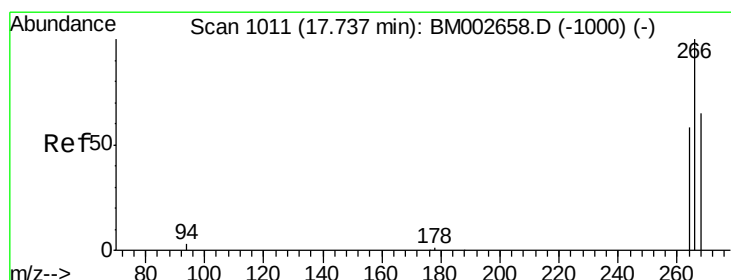
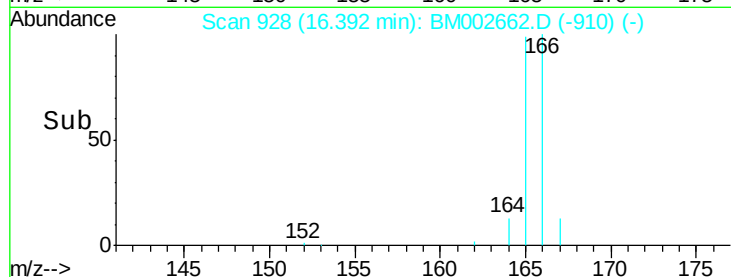
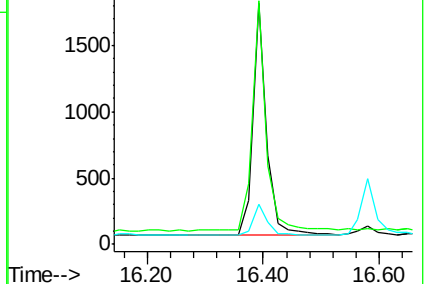
167 16.4 11.1 16.7



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

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 17.75 min Scan# 1012

Delta R.T. 0.02 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

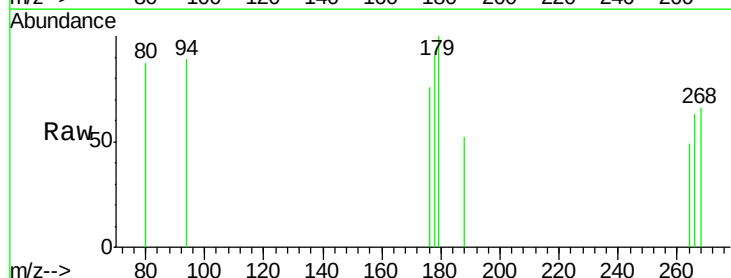
Tgt Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 0.0 53.5 80.3#

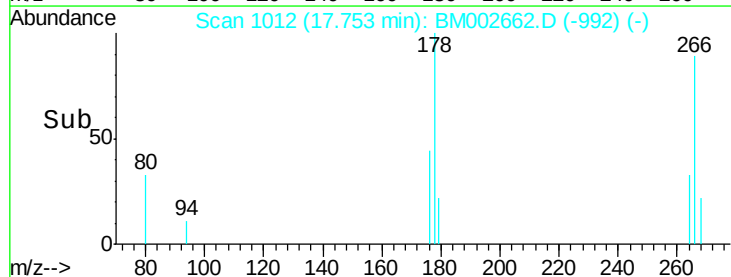
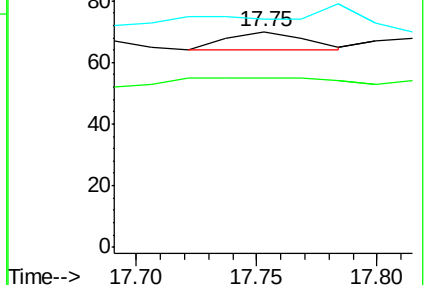
268 0.0 54.2 81.2#

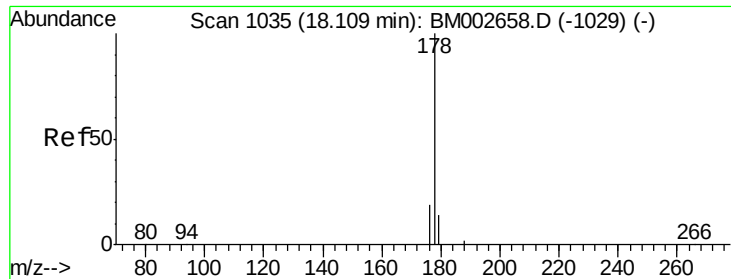


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

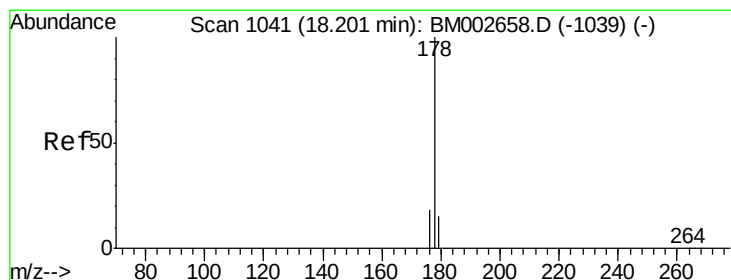
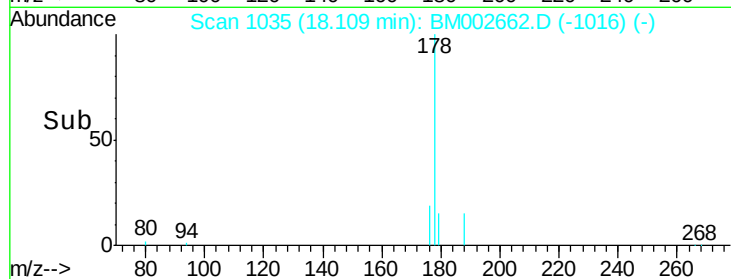
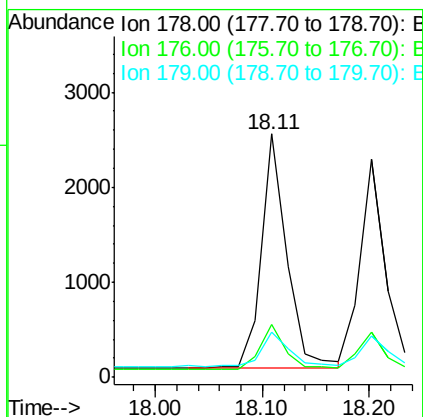
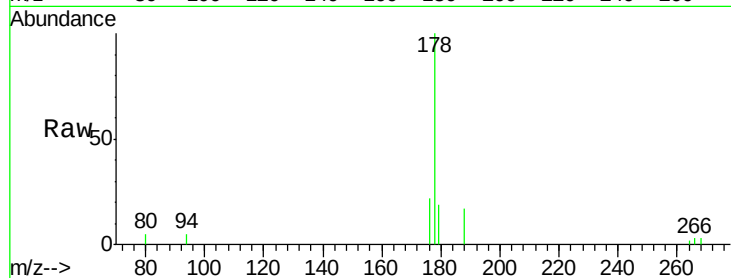




#14
Phenanthrene
Concen: 0.07 ng/ul
RT: 18.11 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BM002662.D
Acq: 03 Sep 2015 23:46

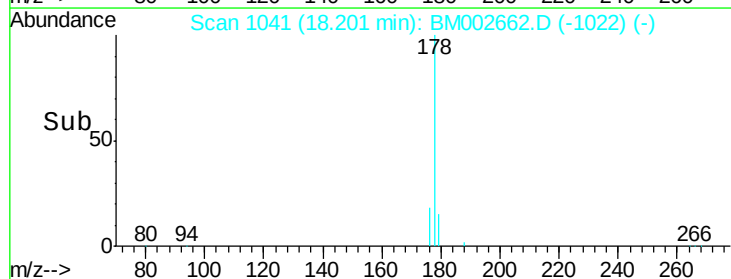
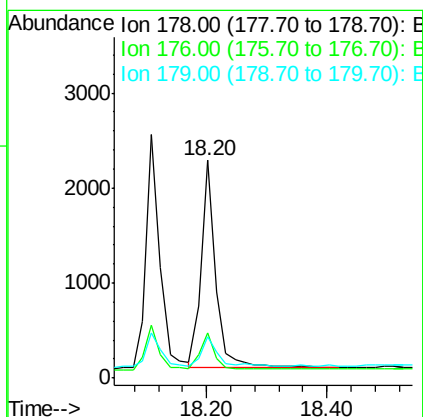
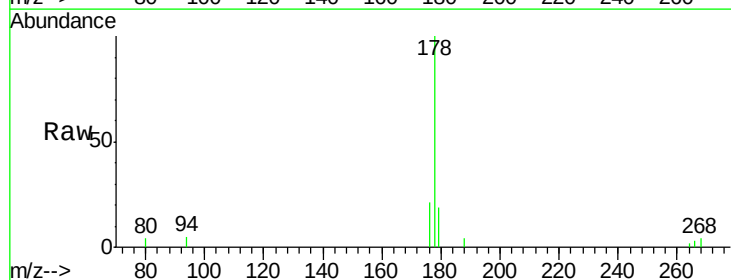
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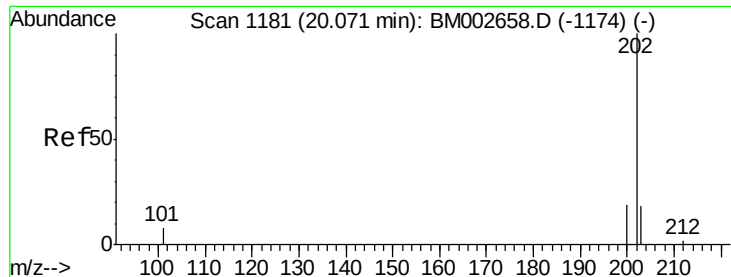
Tot Ion:178 Resp: 4020
Ion Ratio Lower Upper
178 100
176 21.5 16.2 24.4
179 18.7 12.8 19.2



#15
Anthracene
Concen: 0.06 ng/ul
RT: 18.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BM002662.D
Acq: 03 Sep 2015 23:46

Tgt Ion:178 Resp: 3743
Ion Ratio Lower Upper
178 100
176 20.8 15.8 23.8
179 19.2 13.3 19.9

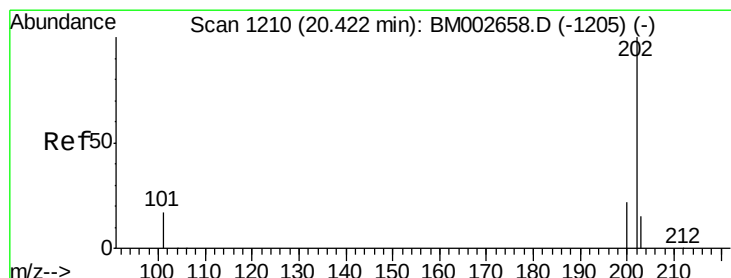
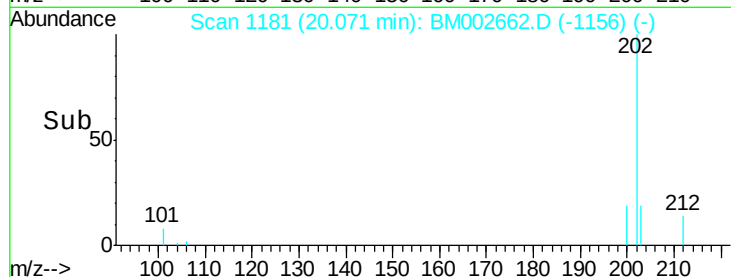
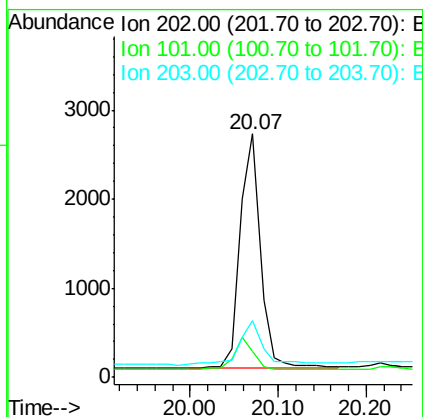
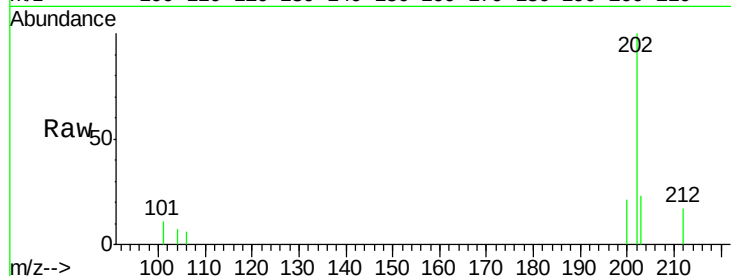




#17
Fluoranthene
Concen: 0.07 ng/ul
RT: 20.07 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BM002662.D
Acq: 03 Sep 2015 23:46

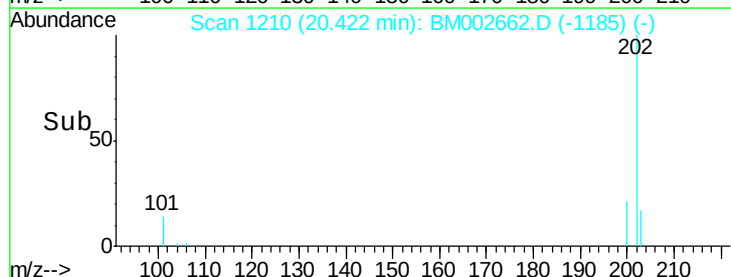
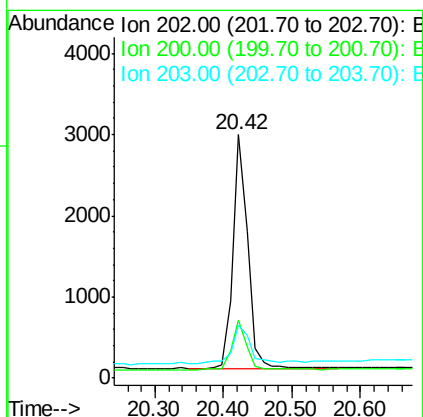
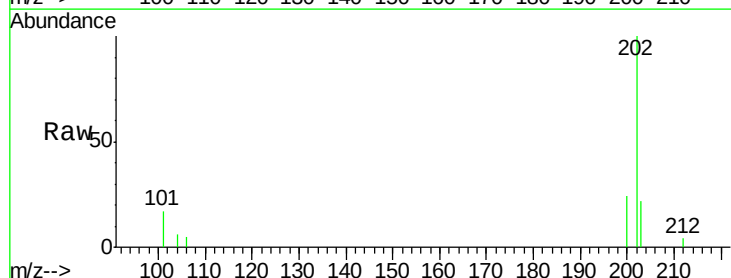
Instrument :
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ClientSampleId :
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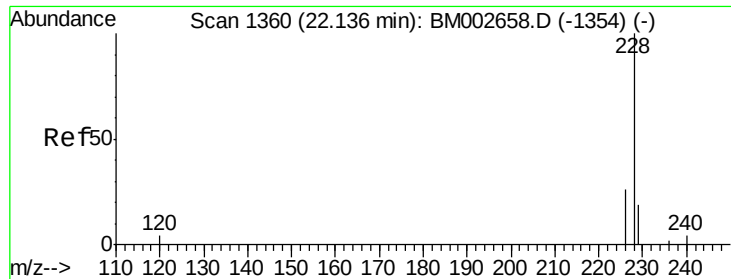
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	33.1
203	23.2	0.0	37.2



#19
Pyrene
Concen: 0.07 ng/ul
RT: 20.42 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BM002662.D
Acq: 03 Sep 2015 23:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.7	18.0	27.0
203	22.0	13.8	20.6





#20

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 22.14 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

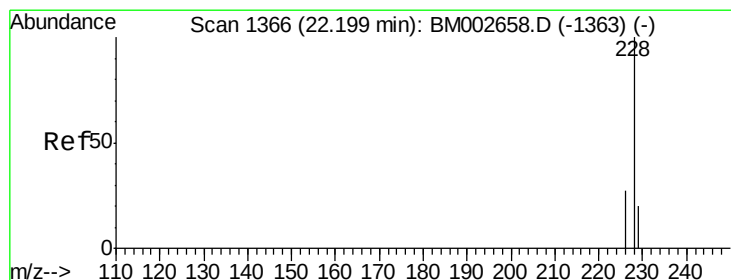
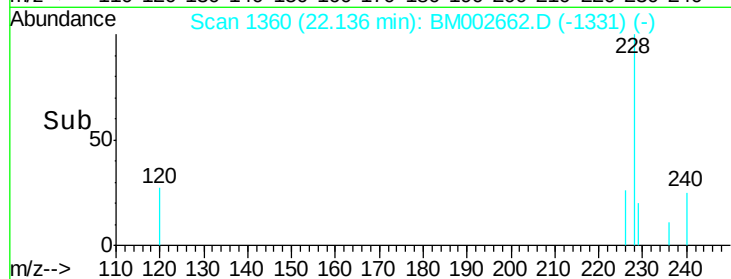
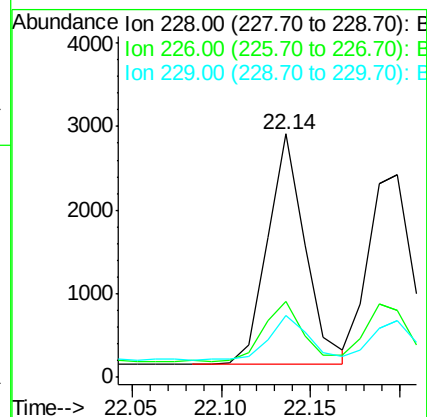
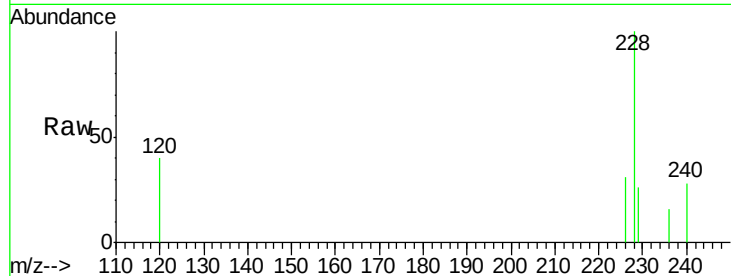
Tot Ion:228 Resp: 4009

Ion Ratio Lower Upper

228 100

226 31.0 23.0 34.4

229 25.7 15.2 22.8#



#21

Chrysene

Concen: 0.07 ng/ul

RT: 22.20 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

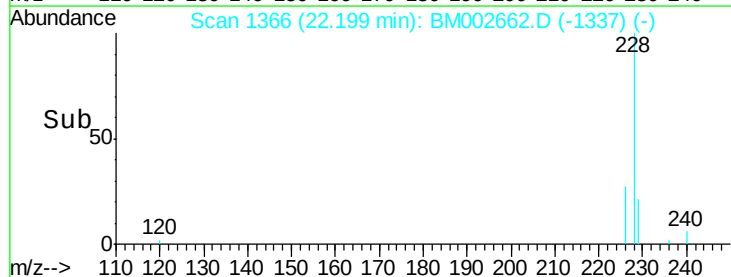
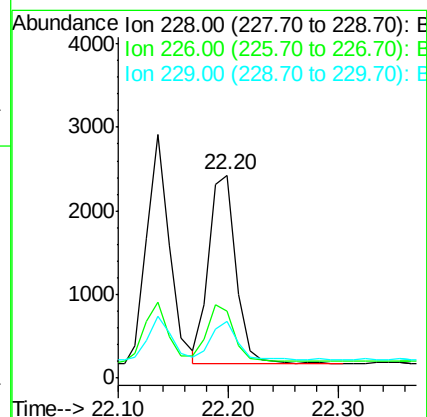
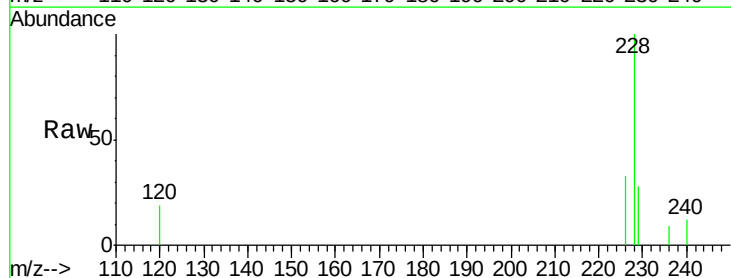
Tgt Ion:228 Resp: 3888

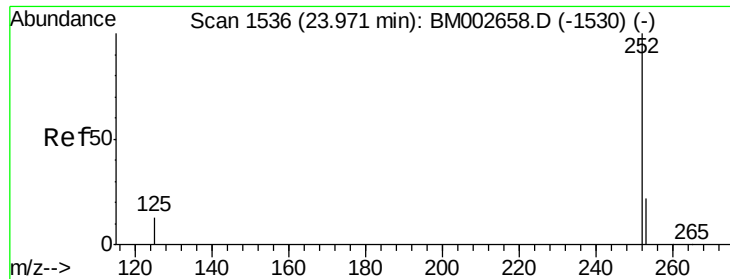
Ion Ratio Lower Upper

228 100

226 33.2 25.7 38.5

229 28.1 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 23.96 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

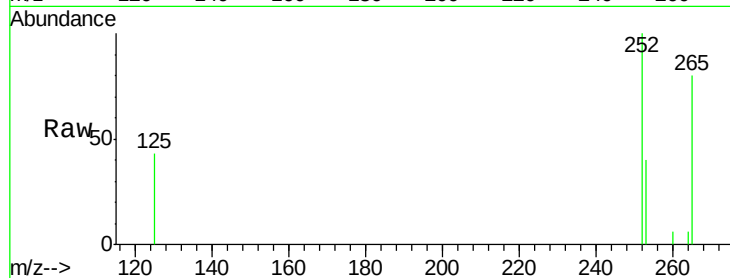
Tot Ion:252 Resp: 4398

Ion Ratio Lower Upper

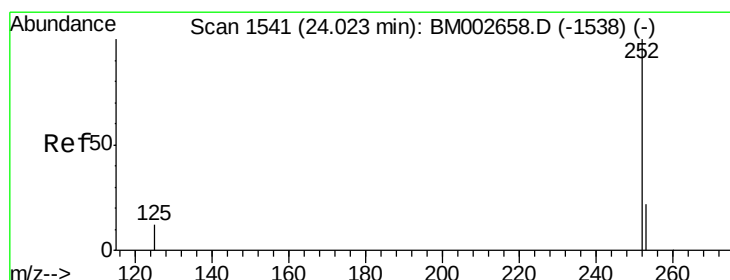
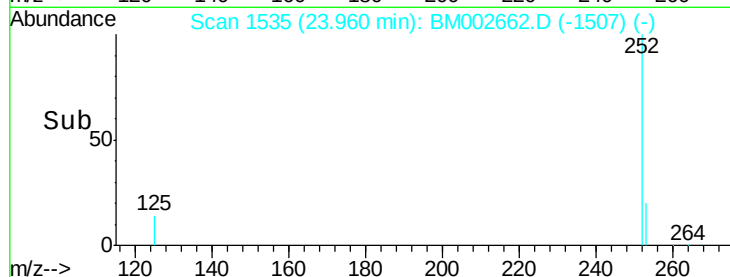
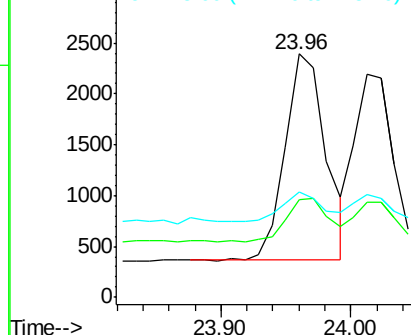
252 100

253 40.1 0.0 48.0

125 43.4 0.0 36.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Benzo(k)fluoranthene

Concen: 0.07 ng/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

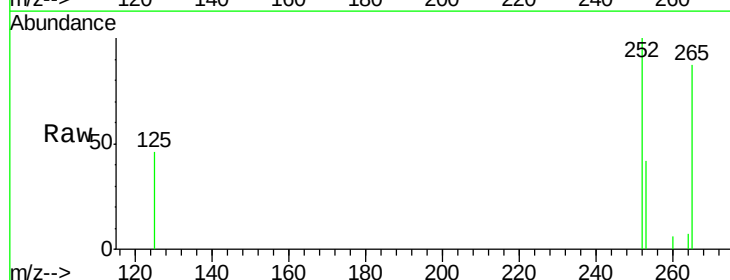
Tgt Ion:252 Resp: 3882

Ion Ratio Lower Upper

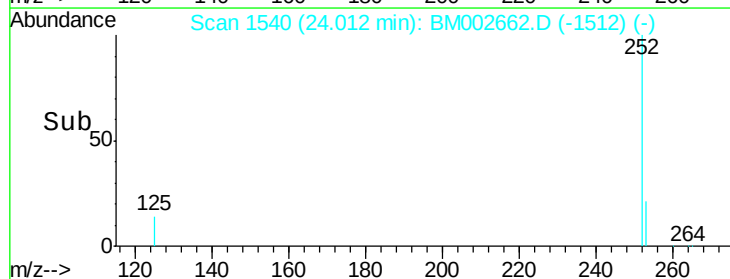
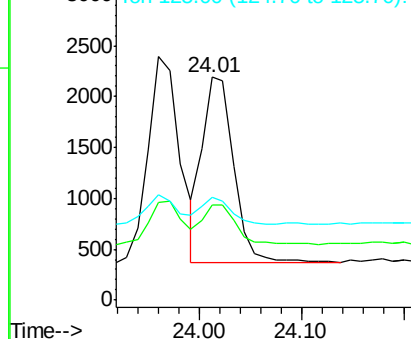
252 100

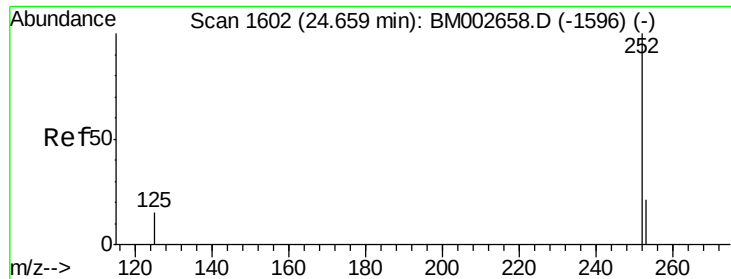
253 42.5 20.8 31.2#

125 46.0 12.2 18.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 24.66 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

Instrument :

BNA_M

ClientSampleId :

MDL-03-S

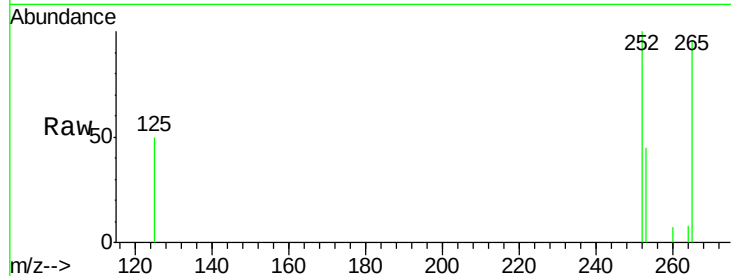
Tot Ion:252 Resp: 3852

Ion Ratio Lower Upper

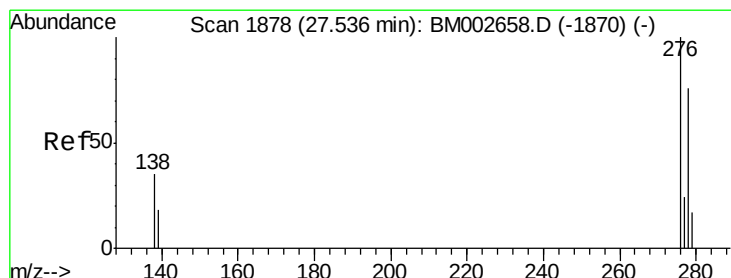
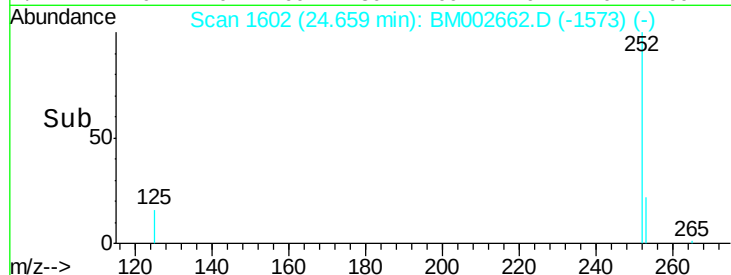
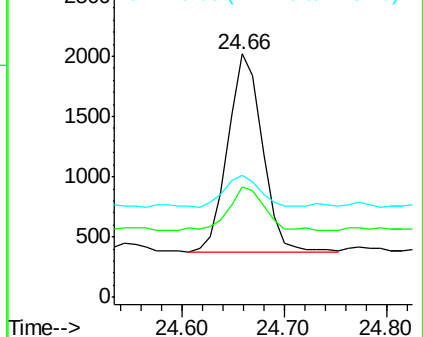
252 100

253 45.3 21.8 32.8#

125 49.9 14.5 21.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 27.54 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BM002662.D

Acq: 03 Sep 2015 23:46

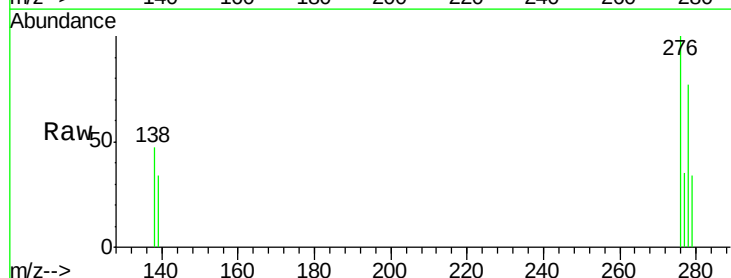
Tgt Ion:276 Resp: 4619

Ion Ratio Lower Upper

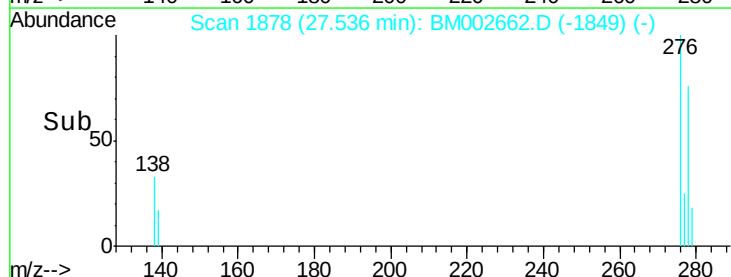
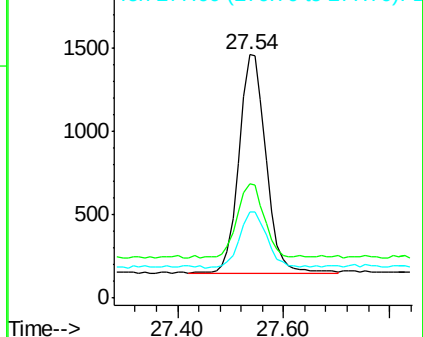
276 100

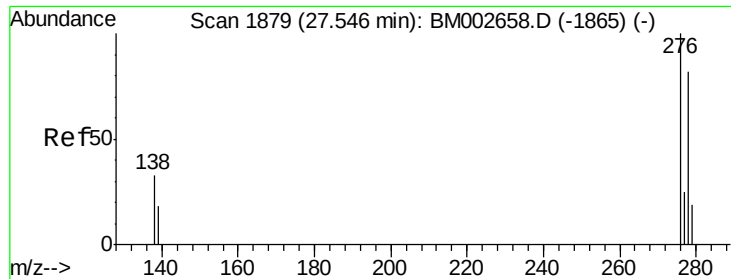
138 33.9 27.5 41.3

277 26.3 19.3 28.9



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

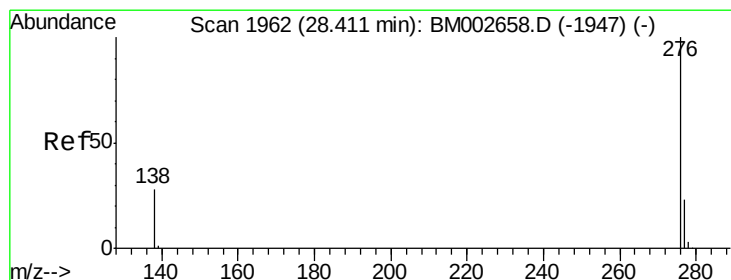
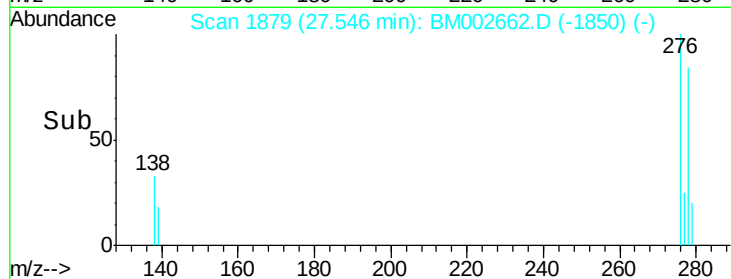
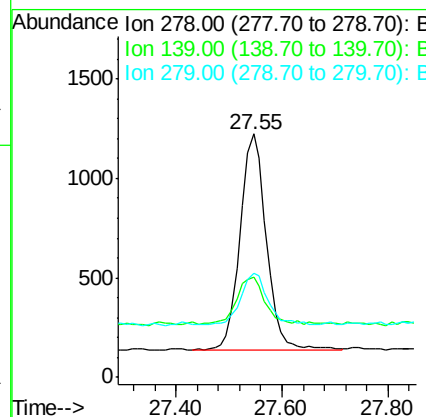
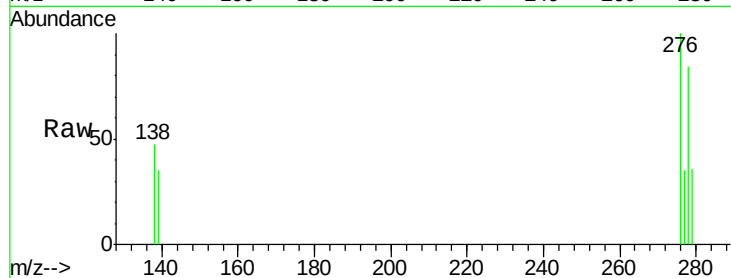




#27
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 27.55 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BM002662.D
Acq: 03 Sep 2015 23:46

Instrument :
BNA_M
ClientSampleId :
MDL-03-S

Tot Ion:278 Resp: 3682
Ion Ratio Lower Upper
278 100
139 41.3 21.7 32.5#
279 42.9 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 28.40 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BM002662.D
Acq: 03 Sep 2015 23:46

Tgt Ion:276 Resp: 3960
Ion Ratio Lower Upper
276 100
277 35.9 21.3 31.9#
138 46.9 25.5 38.3#

