

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004044.D
 Acq On : 15 Jan 2016 12:59
 Operator : SJ/UM
 Sample : H1100-02 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC983

Manual Integrations
 APPROVED

Sohil
 1/16/2016 5:00:58 AM

Quant Time: Jan 16 01:05:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 00:22:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	32734	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	157452	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	93023	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	204974	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	178157	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	160142	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.85	99	5647	2.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	3178	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	4748	2.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	4418	2.01	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	1994	1.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	2091	1.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	4469	1.93	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.73	166	16621	2.28	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	21084	2.37	ng/ul	0.00
52) 4-Nitrophenol-d4	14.56	143	988	0.75	ng/ul	0.02
58) Fluorene-d10	15.32	176	16236	2.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.17	188	24886	2.63	ng/ul	0.00
79) Pyrene-d10	19.47	212	27613	2.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	21804	2.73	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	28996	3.53	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	12819	2.21	ng/ul	97
45) Dimethylphthalate	13.77	163	7933	1.07	ng/ul#	96
48) Acenaphthylene	14.04	152	59416	6.10	ng/ul	99
50) Acenaphthene	14.39	153	15248	2.37	ng/ul	98
54) Dibenzofuran	14.72	168	10111	1.12	ng/ul	96
59) Fluorene	15.37	166	29743m	4.16	ng/ul	
70) Phenanthrene	17.12	178	516957	44.85	ng/ul	100
72) Anthracene	17.20	178	132409	11.20	ng/ul	99
75) Carbazole	17.48	167	32905	3.16	ng/ul	98
77) Fluoranthene	19.14	202	785685	65.60	ng/ul	99
80) Pyrene	19.51	202	937973	77.56	ng/ul	99
83) Benzo(a)anthracene	21.26	228	377793	35.61	ng/ul	96
85) Chrysene	21.32	228	415137	41.18	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	397289	40.81	ng/ul	98
89) Benzo(k)fluoranthene	22.89	252	147157m	15.89	ng/ul	
91) Benzo(a)pyrene	23.42	252	330390	35.78	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.77	276	191798	18.78	ng/ul	97
93) Dibenzo(a,h)anthracene	25.77	278	58537	6.82	ng/ul#	87
94) Benzo(g,h,i)perylene	26.46	276	177664	20.72	ng/ul	98

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

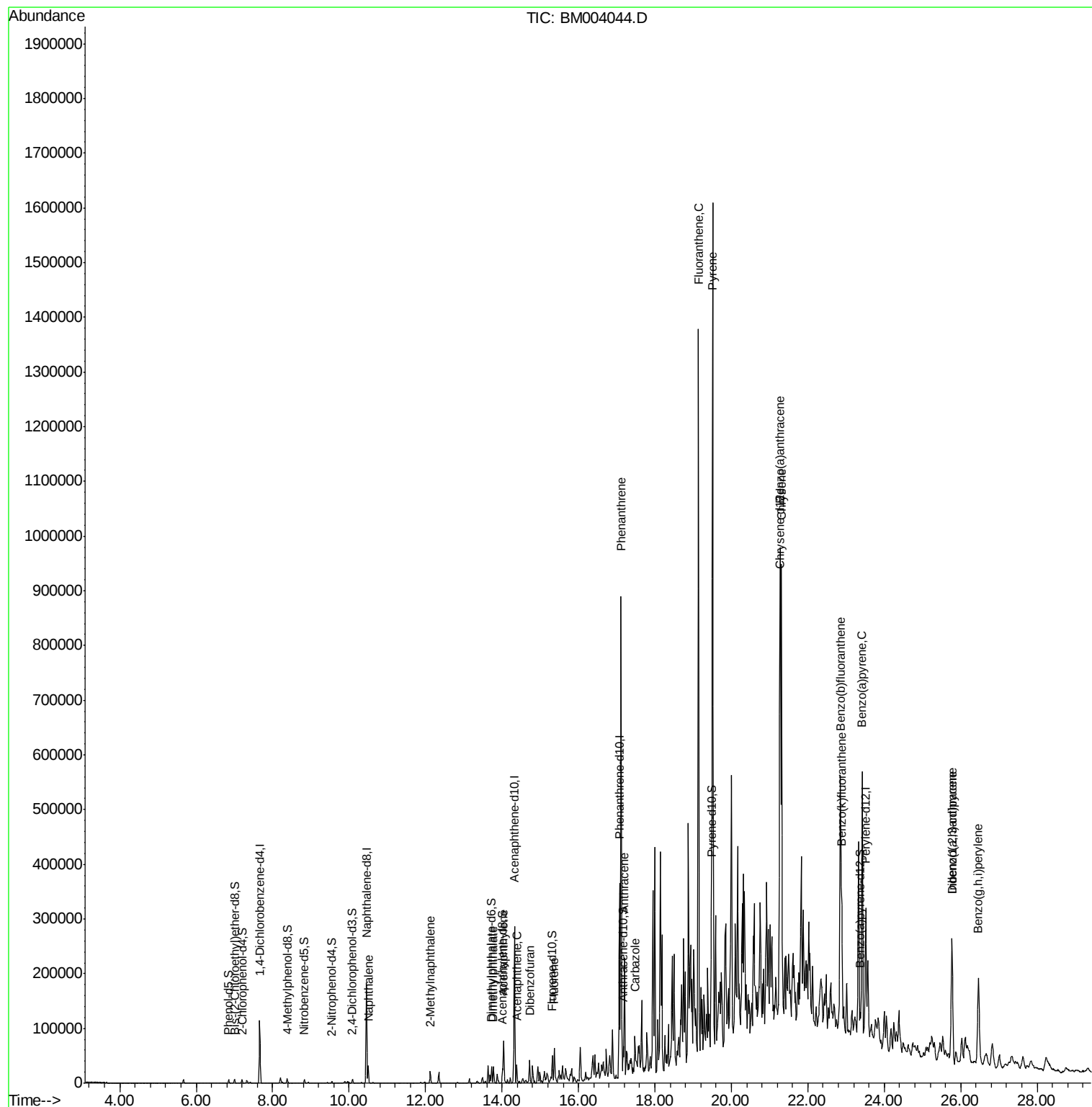
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004044.D
Acq On : 15 Jan 2016 12:59
Operator : SJ/UM
Sample : H1100-02 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

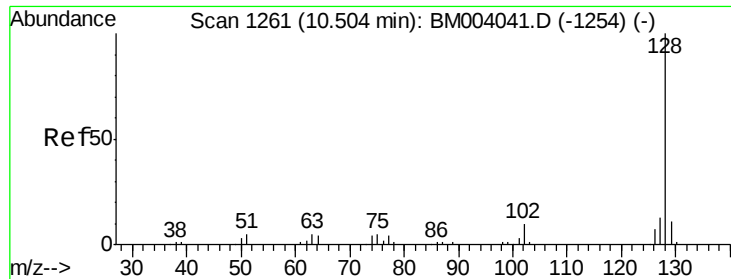
Instrument :
BNA_M
ClientSampleId :
BC983

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1/16/2016 5:00:58 AM

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
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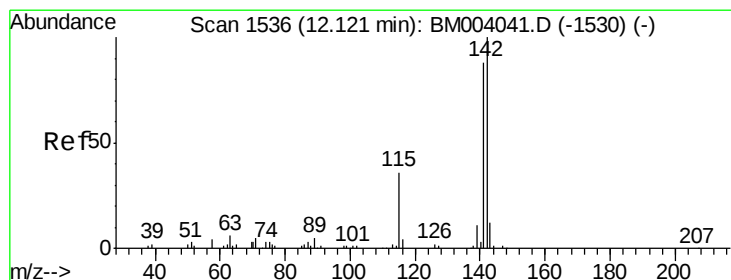
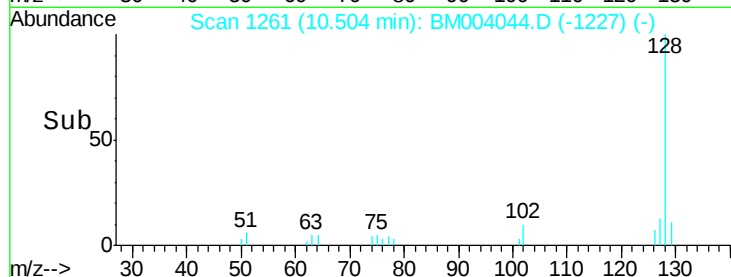
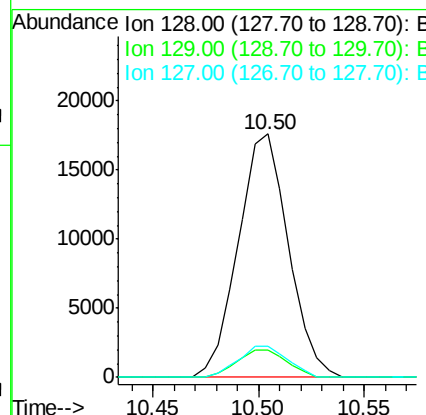
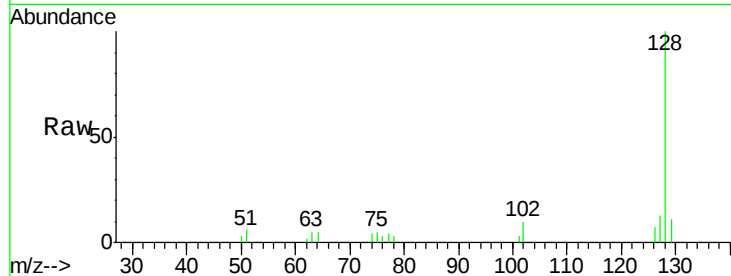
#28
Naphthalene
Concen: 3.53 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Instrument :
BNA_M
ClientSampleId :
BC983

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	28996		
129	11.1		8.8	13.2
127	12.5		10.5	15.7

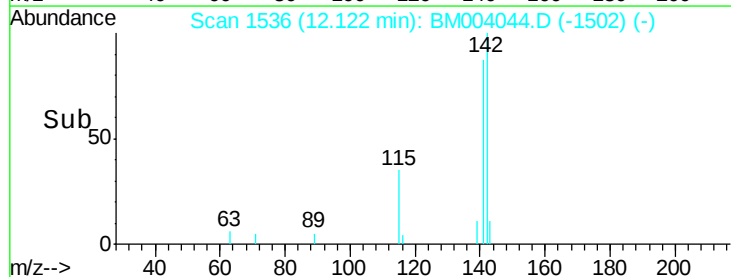
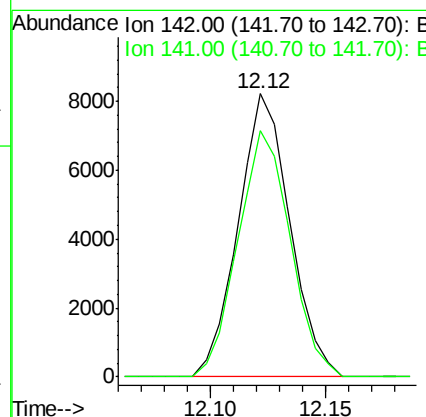
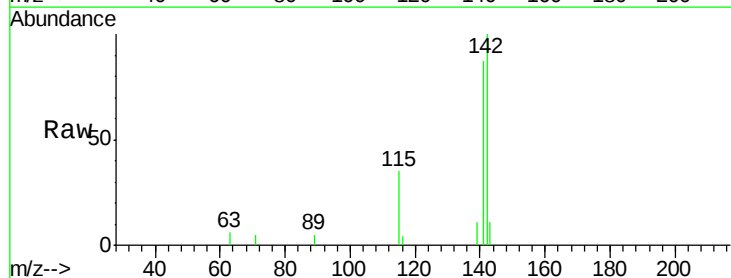
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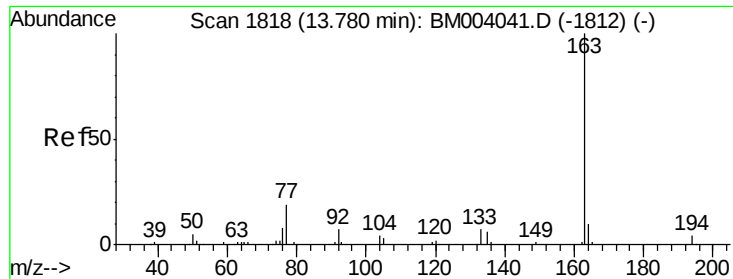
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#34
2-Methylnaphthalene
Concen: 2.21 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	12819		
141	86.9		71.6	107.4





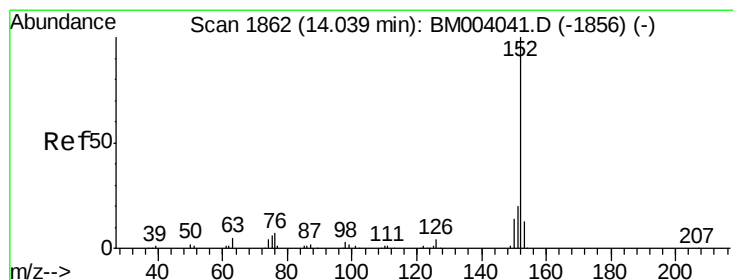
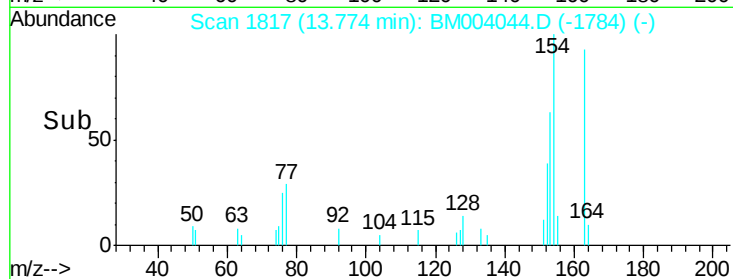
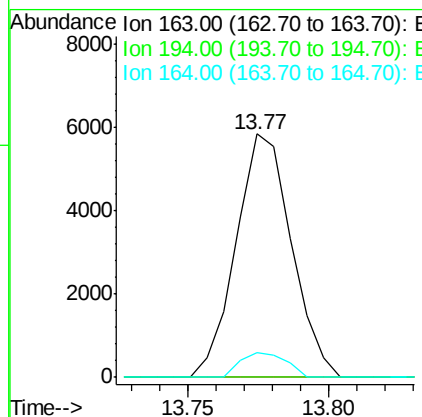
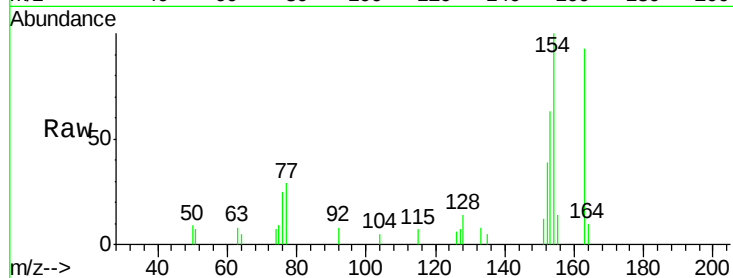
#45
Dimethylphthalate
Concen: 1.07 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Instrument :
BNA_M
ClientSampleId :
BC983

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	7933		
194	0.0	3.2	4.8#	
164	10.3	7.8	11.8	

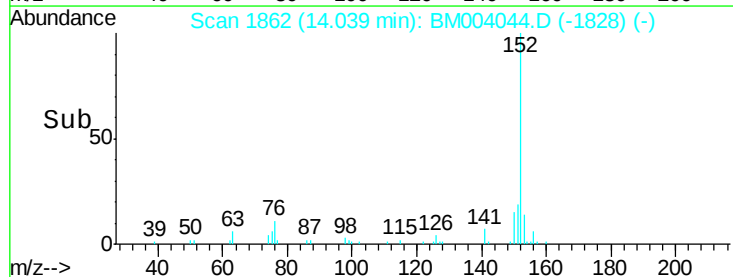
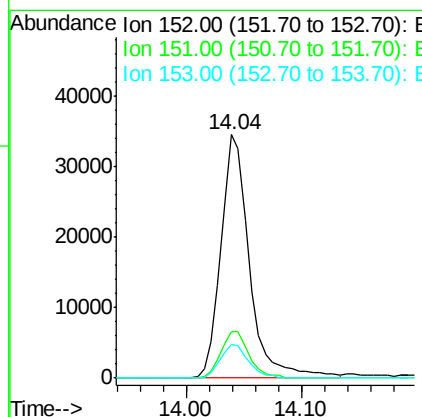
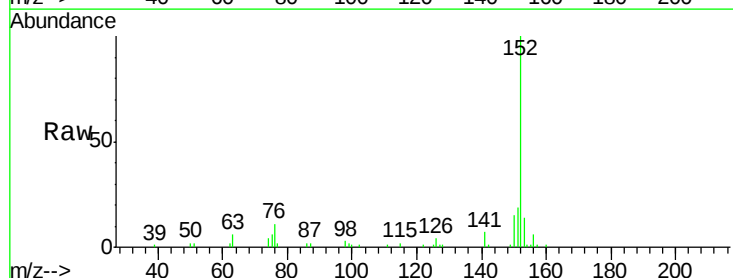
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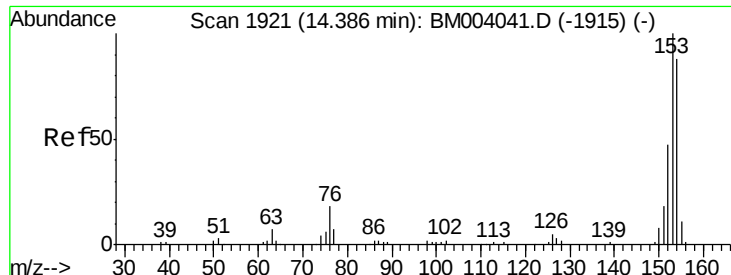
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1/16/2016 5:00:58 AM



#48
Acenaphthylene
Concen: 6.10 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	59416		
151	19.2	15.7	23.5	
153	13.7	10.5	15.7	





#50

Acenaphthene

Concen: 2.37 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004044.D

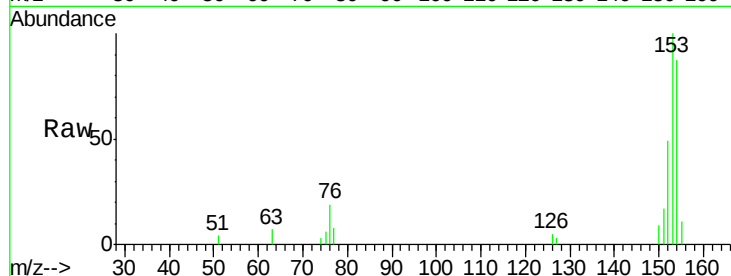
Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampled :

BC983



Tgt Ion:153 Resp: 15248

Ion Ratio Lower Upper

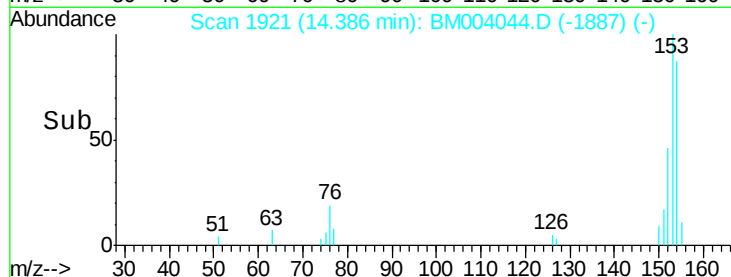
153 100

152 49.0 38.3 57.5

154 87.3 71.8 107.8

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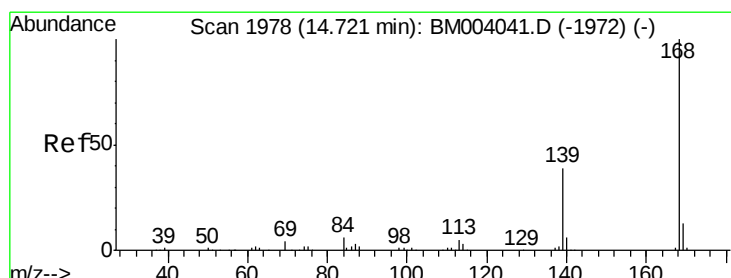
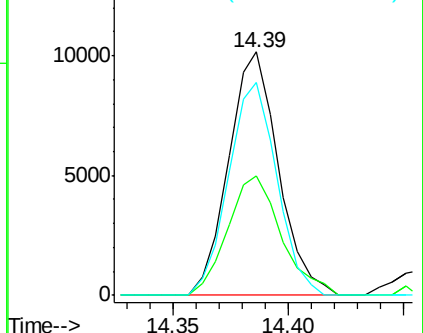
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.12 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM004044.D

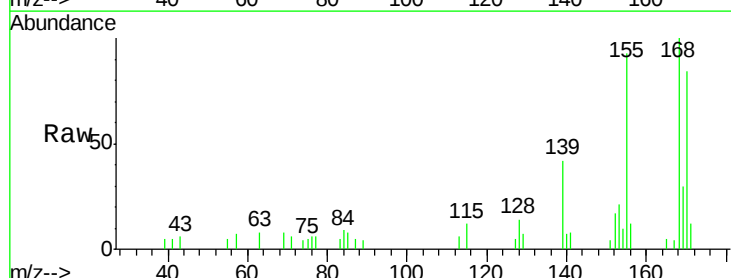
Acq: 15 Jan 2016 12:59

Tgt Ion:168 Resp: 10111

Ion Ratio Lower Upper

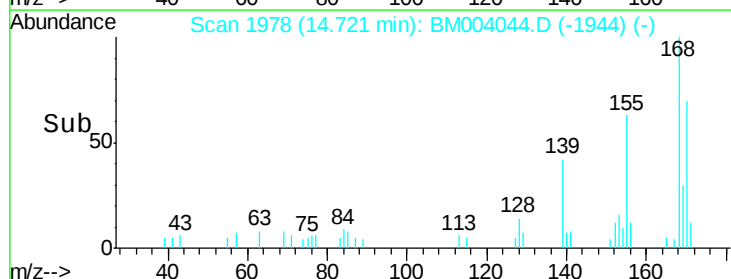
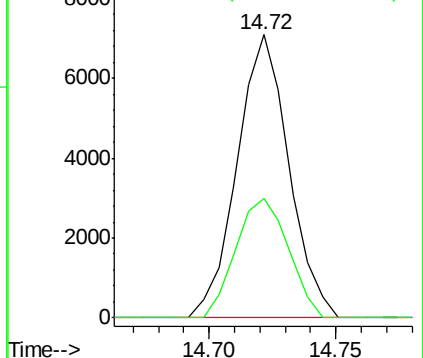
168 100

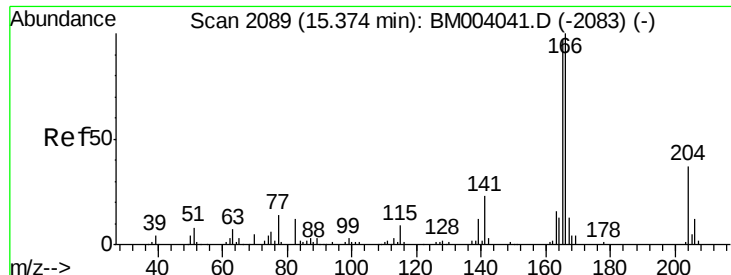
139 42.4 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 4.16 ng/ul m

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

ClientSampleId :

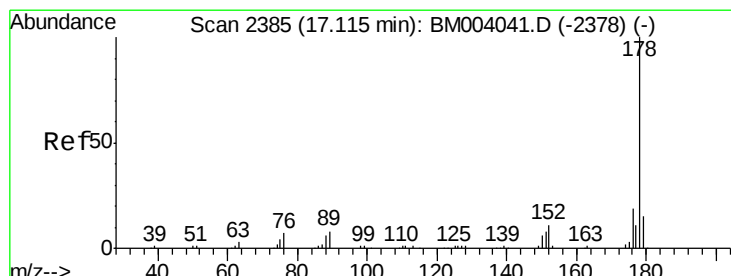
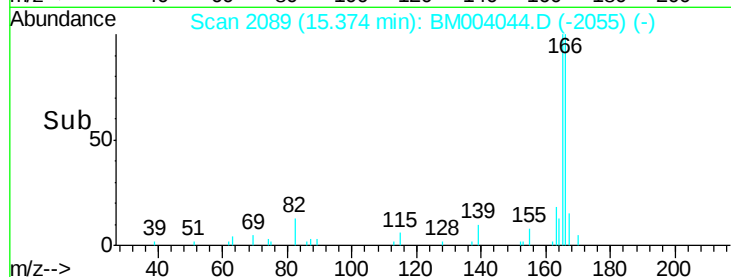
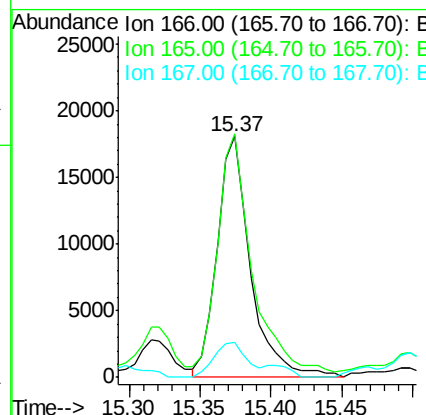
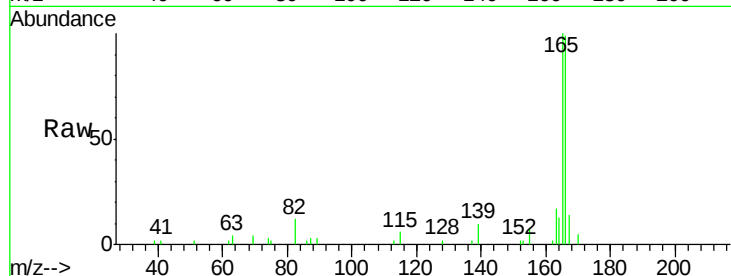
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Tgt Ion	Resp	Lower	Upper
166	29743		
166	100		
165	101.0	78.5	117.7
167	14.6	10.7	16.1



#70

Phenanthrene

Concen: 44.85 ng/ul

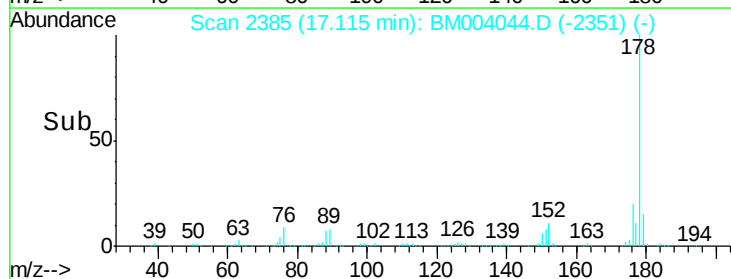
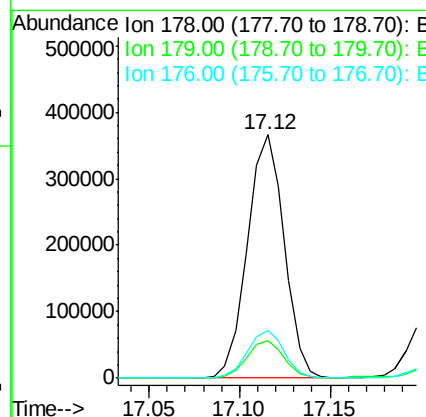
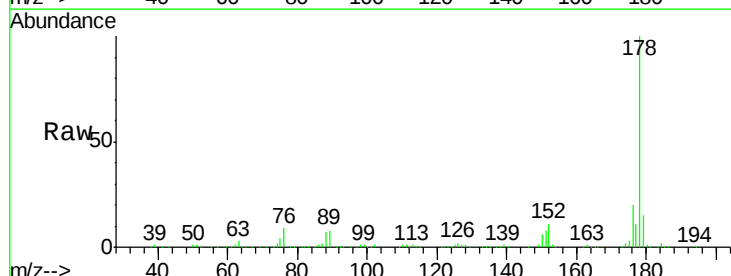
RT: 17.12 min Scan# 2385

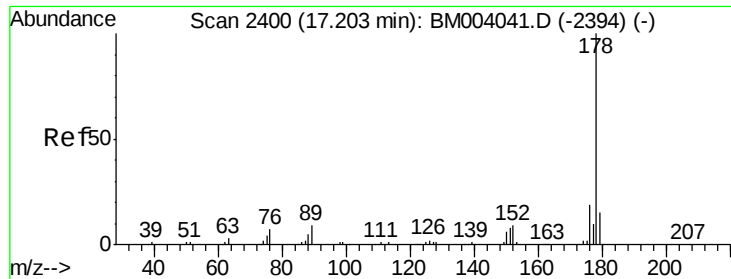
Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Tgt Ion	Resp	Lower	Upper
178	516957		
178	100		
179	15.5	12.2	18.4
176	19.5	15.6	23.4





#72

Anthracene

Concen: 11.20 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

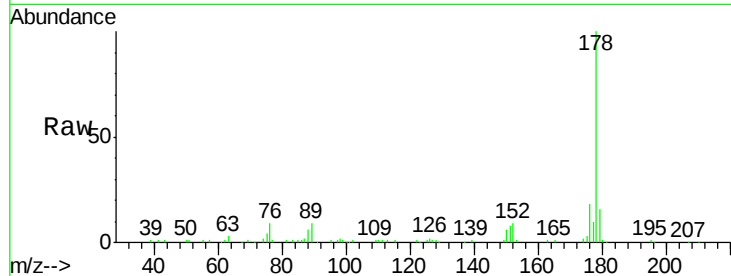
ClientSampled :

BC983

Tgt Ion:	178	Resp:	132409
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.1	18.1
176	18.4	14.8	22.2

Manual Integrations
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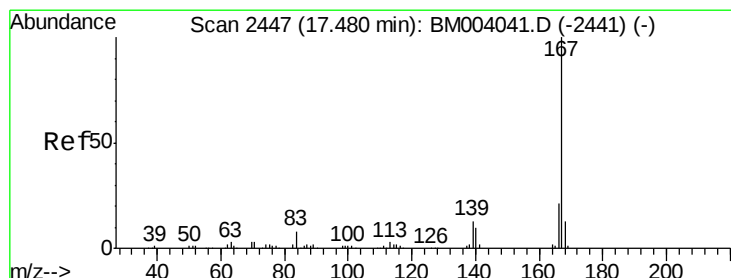
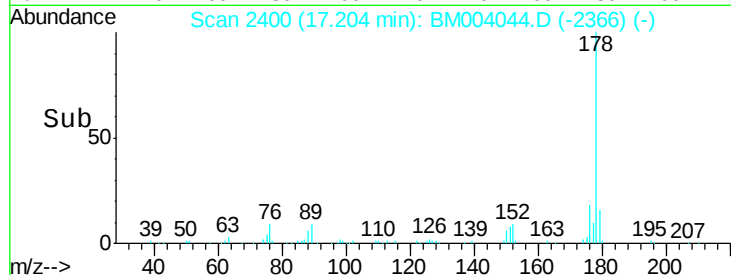
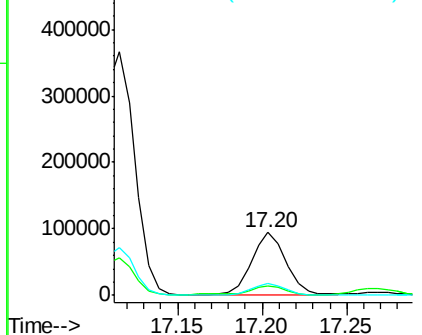
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 3.16 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BM004044.D

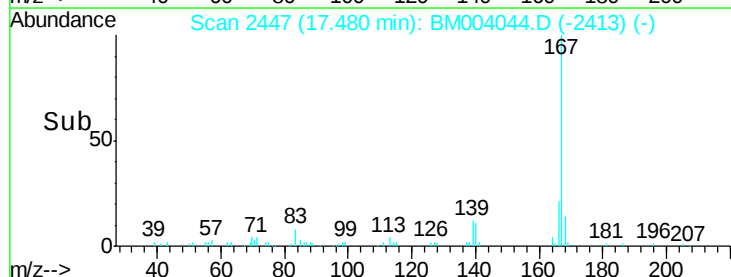
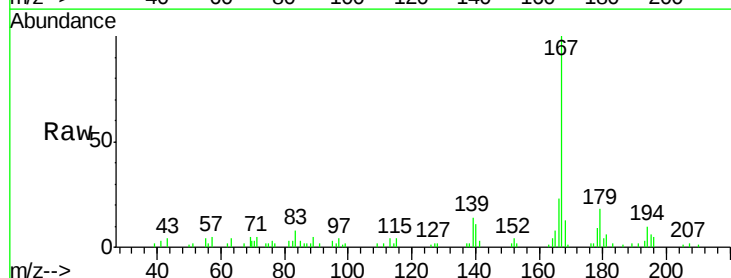
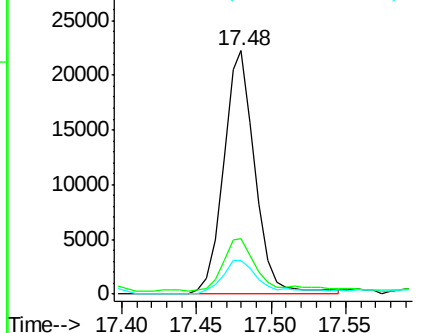
Acq: 15 Jan 2016 12:59

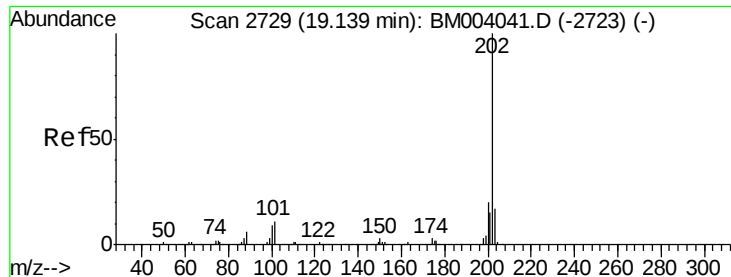
Tgt Ion:	167	Resp:	32905
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.0	25.6
139	13.9	11.0	16.4

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 65.60 ng/ul

RT: 19.14 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

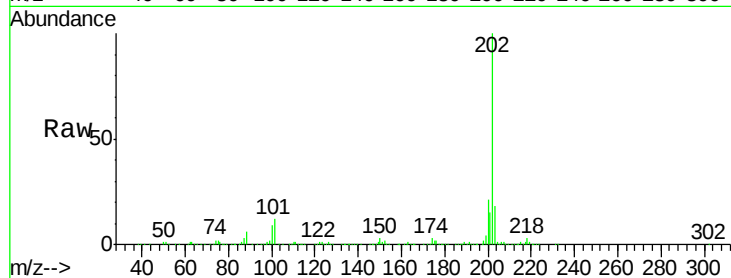
ClientSampleId :

BC983

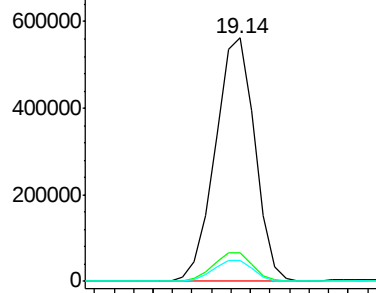
Tgt	Ion	202	Resp:	785685
Ion	Ratio	Lower	Upper	
202	100			
101	11.5	8.8	13.2	
100	8.6	6.6	9.8	

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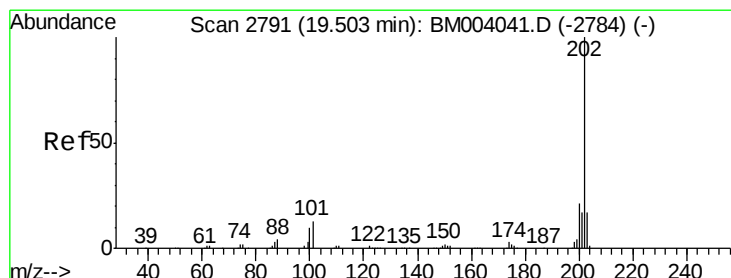
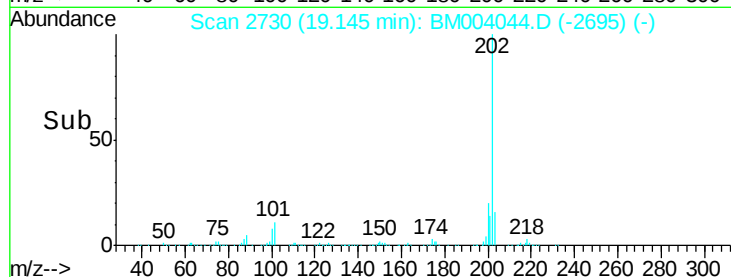
Sohil
1/16/2016 5:00:58 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 77.56 ng/ul

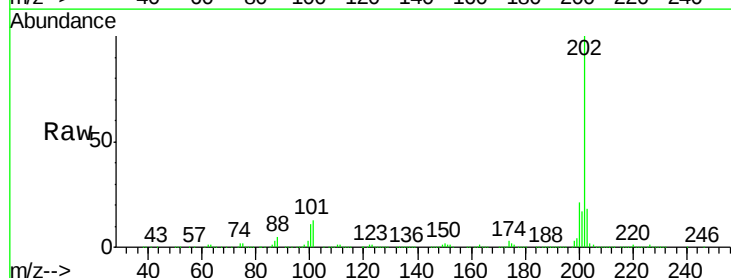
RT: 19.51 min Scan# 2792

Delta R.T. 0.01 min

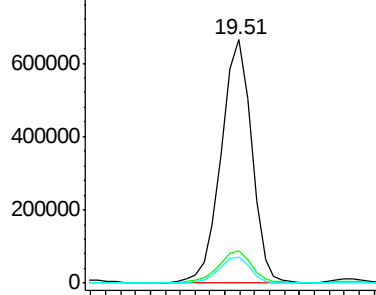
Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

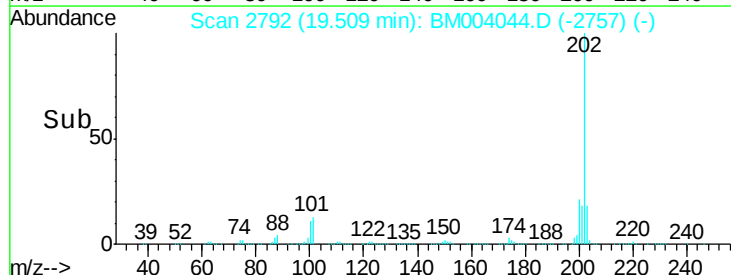
Tgt	Ion	202	Resp:	937973
Ion	Ratio	Lower	Upper	
202	100			
101	13.4	10.2	15.2	
100	10.8	8.5	12.7	

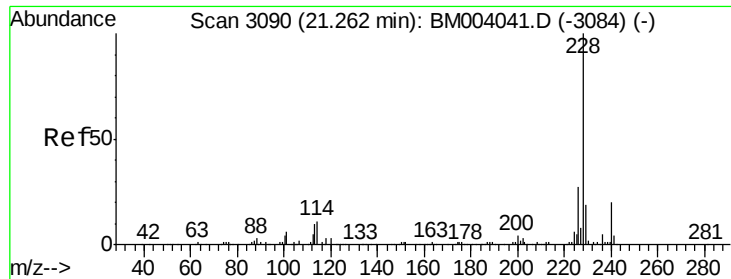


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





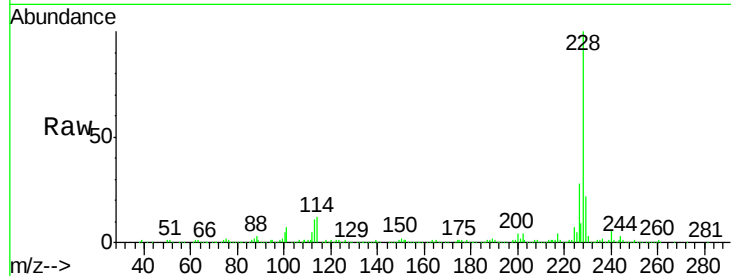
#83
Benzo(a)anthracene
Concen: 35.61 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Instrument :
BNA_M
ClientSampleId :
BC983

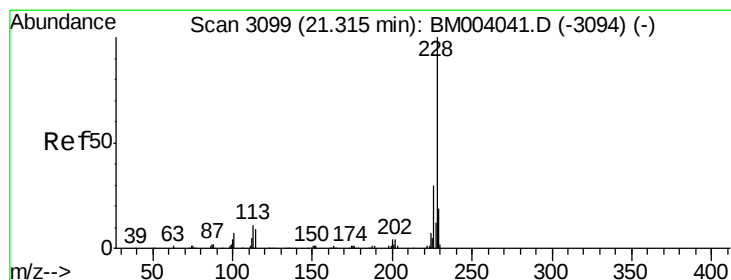
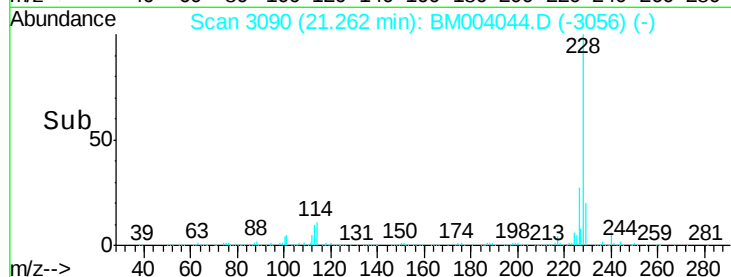
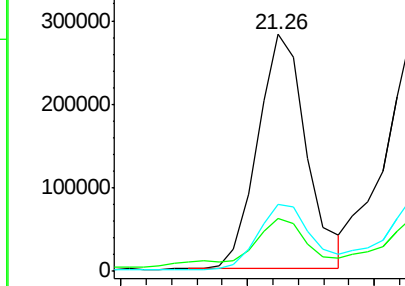
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	377793		
229	22.4	15.7	23.5	
226	28.1	21.8	32.6	

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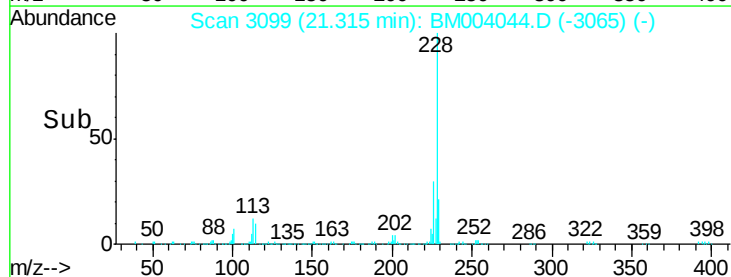
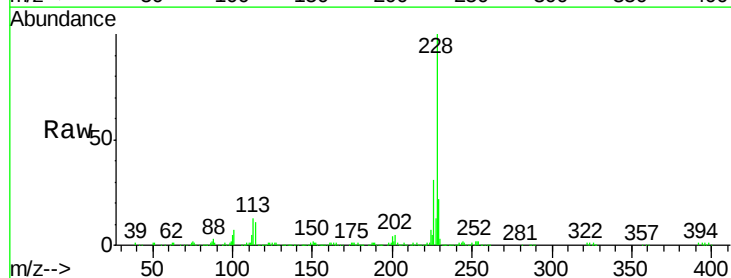
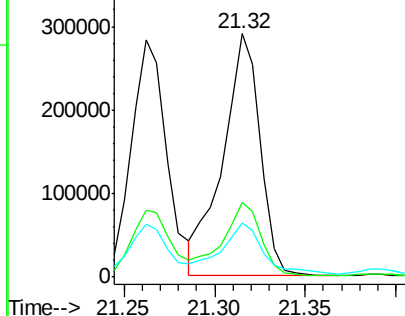
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

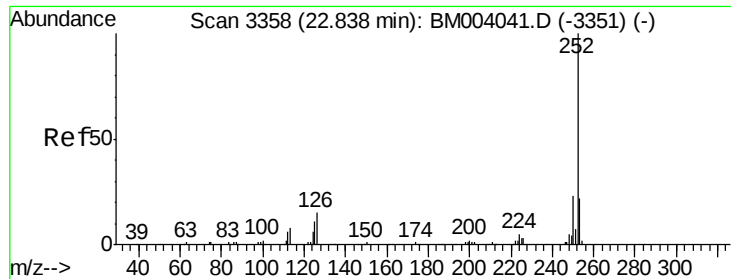


#85
Chrysene
Concen: 41.18 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	415137		
226	30.5	24.0	36.0	
229	22.2	15.6	23.4	

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





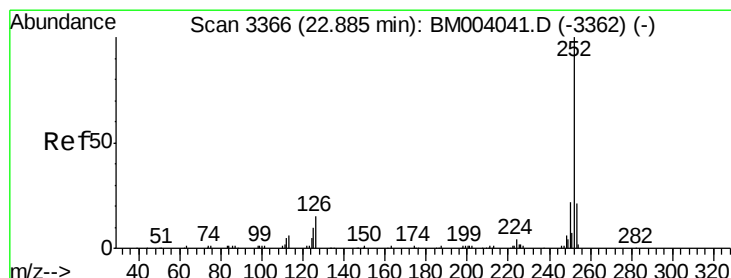
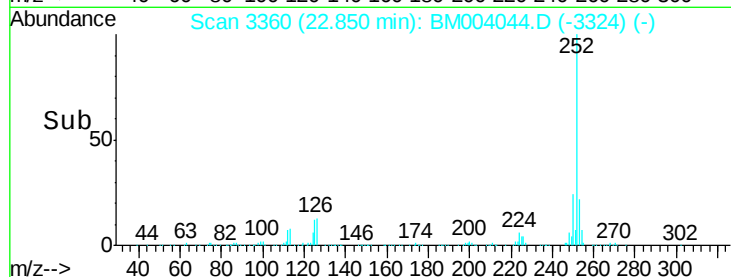
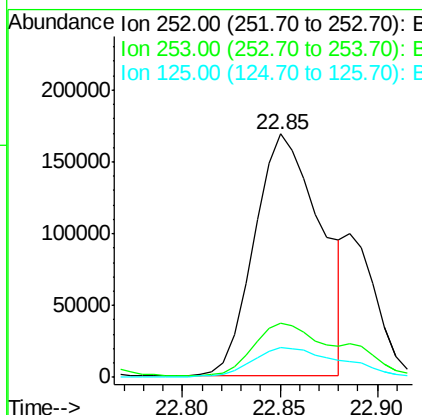
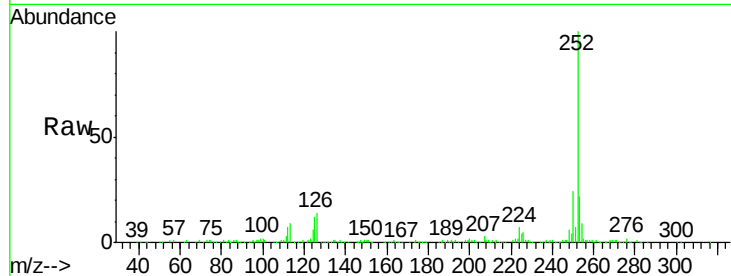
#88
Benzo(b)fluoranthene
Concen: 40.81 ng/u1
RT: 22.85 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Instrument :
BNA_M
ClientSampled :
BC983

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	397289		
253	22.4	17.5	26.3	
125	12.1	8.5	12.7	

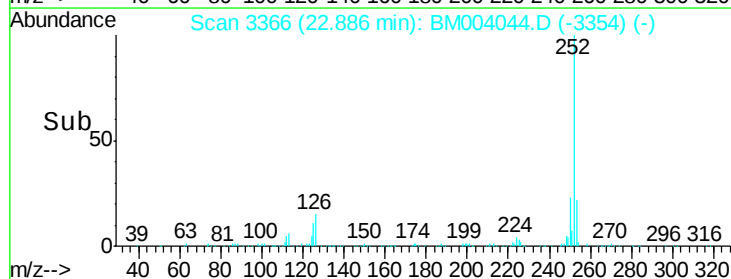
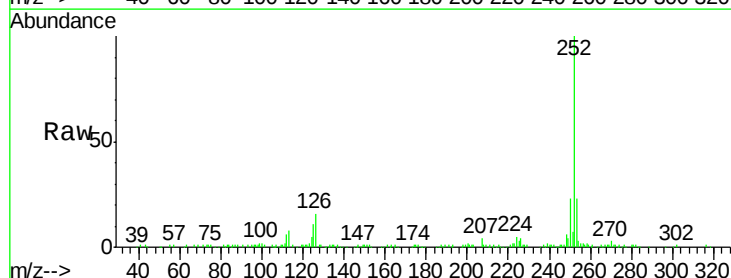
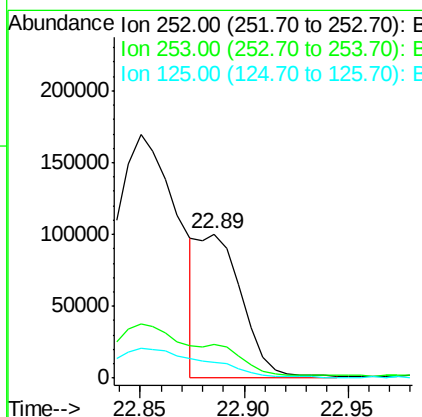
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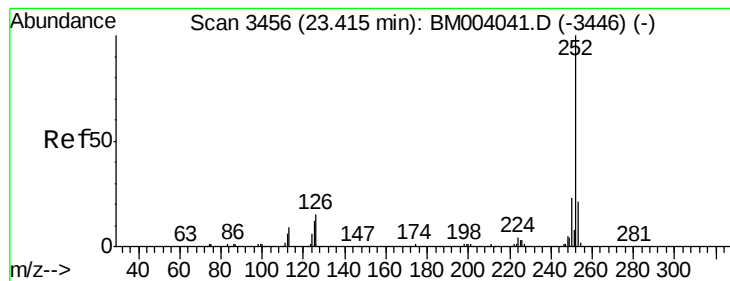
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#89
Benzo(k)fluoranthene
Concen: 15.89 ng/u1 m
RT: 22.89 min Scan# 3366
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	147157		
253	23.1	17.3	25.9	
125	11.3	8.2	12.2	





#91

Benzo(a)pyrene

Concen: 35.78 ng/ul

RT: 23.42 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Instrument :

BNA_M

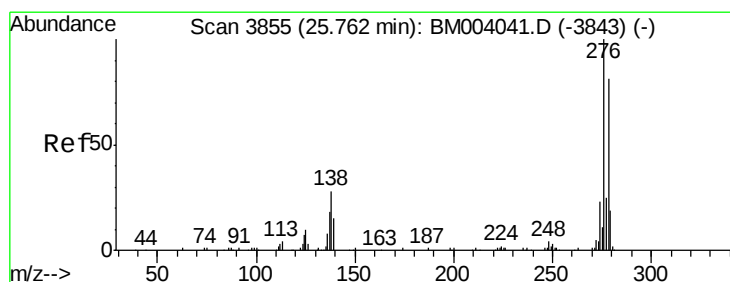
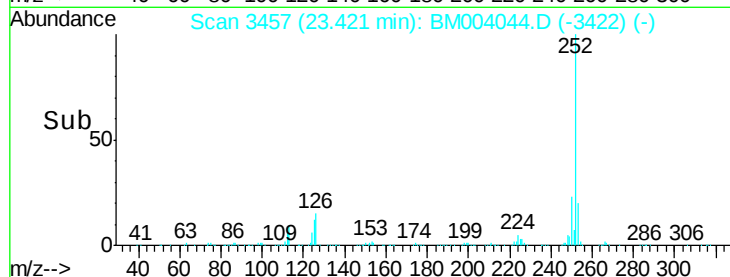
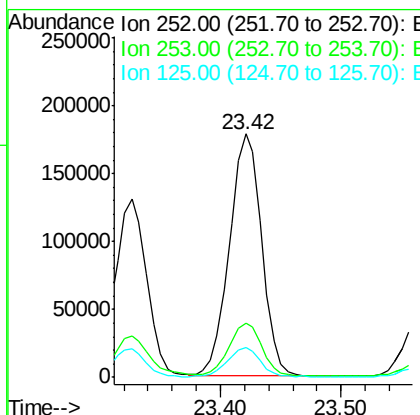
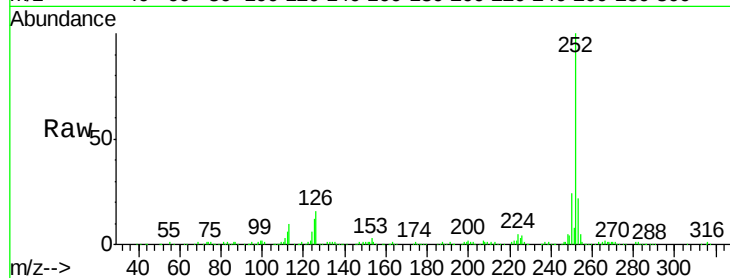
ClientSampled :

BC983

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		330390		
253	22.4	17.2	25.8		
125	12.1	9.0	13.6		

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#92

Indeno(1,2,3-cd)pyrene

Concen: 18.78 ng/ul

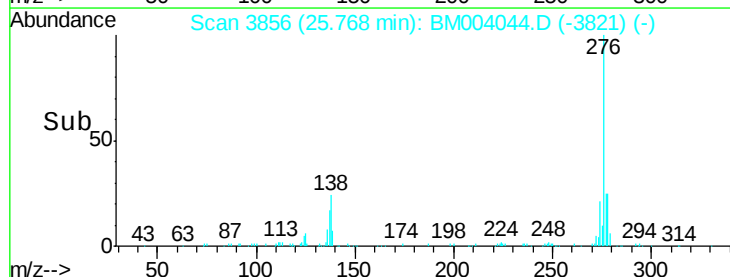
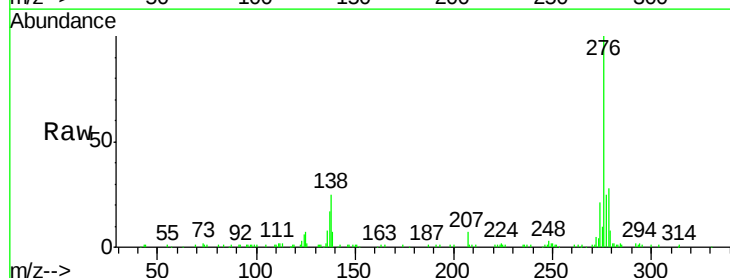
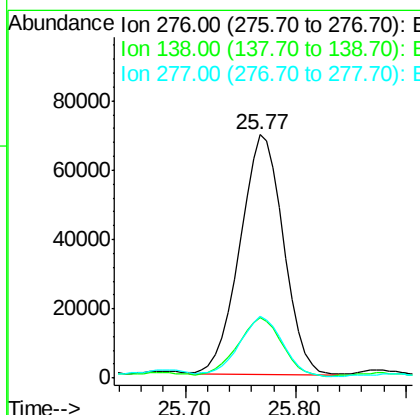
RT: 25.77 min Scan# 3856

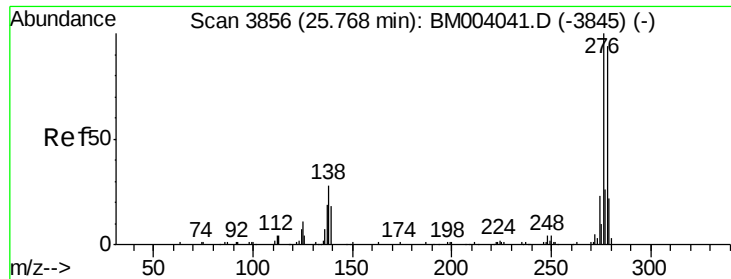
Delta R.T. 0.01 min

Lab File: BM004044.D

Acq: 15 Jan 2016 12:59

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		191798		
138	24.8	22.3	33.5		
277	25.2	20.2	30.2		





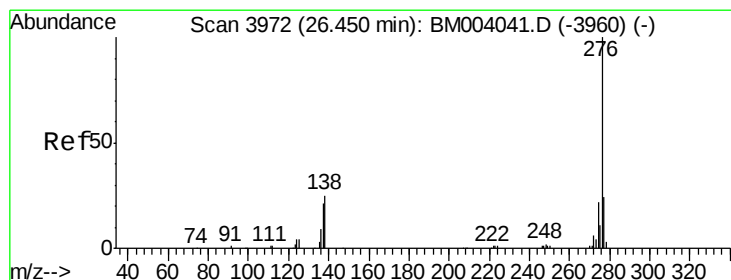
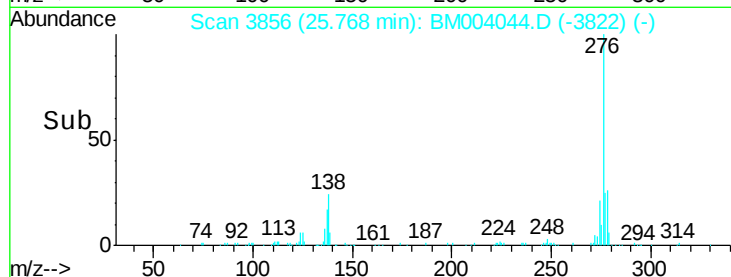
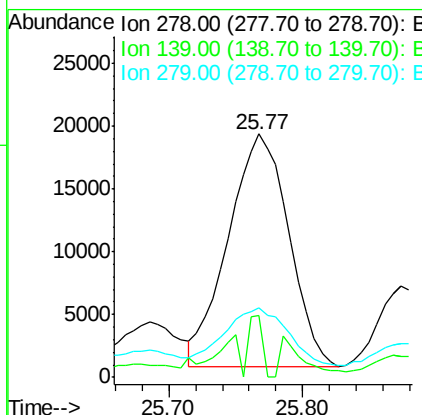
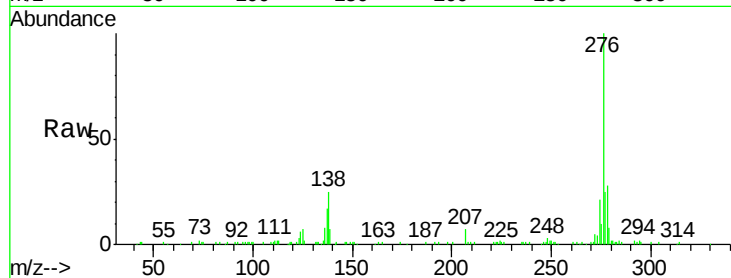
#93
Dibenzo(a,h)anthracene
Concen: 6.82 ng/ul
RT: 25.77 min Scan# 3856
Delta R.T. 0.00 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Instrument :
BNA_M
ClientSampled :
BC983

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.3	13.9	20.9#
279	28.5	19.0	28.4#

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#94
Benzo(g,h,i)perylene
Concen: 20.72 ng/ul
RT: 26.46 min Scan# 3974
Delta R.T. 0.01 min
Lab File: BM004044.D
Acq: 15 Jan 2016 12:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	18.9	28.3
277	24.4	19.2	28.8

