

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM004003.D
 Acq On : 14 Jan 2016 02:52
 Operator : SJ/UM
 Sample : H1098-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9D3

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 5:56:49 PM

Quant Time: Jan 14 11:55:07 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 13 06:45:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	50271	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	238315	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	139107	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	299336	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	243504	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	219315	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2444	2.17	ng/uL	0.00
5) Phenol-d5	6.84	99	63084	15.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	37652	15.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	53583	15.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	46675	13.80	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	26945	15.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	29551	15.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	53325	15.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	63675	13.80	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	186165	17.05	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	226575	17.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	22838	11.64	ng/ul	0.00
58) Fluorene-d10	15.32	176	166011	17.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	17692	10.48	ng/ul	0.00
71) Anthracene-d10	17.17	188	250450	18.09	ng/ul	0.00
79) Pyrene-d10	19.47	212	250838	19.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	202470	18.49	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	111514	10.02	ng/ul	100
59) Fluorene	15.37	166	11902	1.11	ng/ul	96
70) Phenanthrene	17.11	178	214149	12.72	ng/ul	100
72) Anthracene	17.20	178	53598	3.10	ng/ul	98
77) Fluoranthene	19.14	202	402531	23.01	ng/ul	99
80) Pyrene	19.50	202	408048	24.69	ng/ul	98
83) Benzo(a)anthracene	21.26	228	175034	12.07	ng/ul	97
85) Chrysene	21.31	228	183056	13.29	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	179229	13.44	ng/ul	97
89) Benzo(k)fluoranthene	22.88	252	63223m	4.98	ng/ul	
91) Benzo(a)pyrene	23.41	252	141610	11.20	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.75	276	83329	5.96	ng/ul	96
93) Dibenzo(a,h)anthracene	25.75	278	25428	2.16	ng/ul#	79
94) Benzo(g,h,i)perylene	26.44	276	83733	7.13	ng/ul	99

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

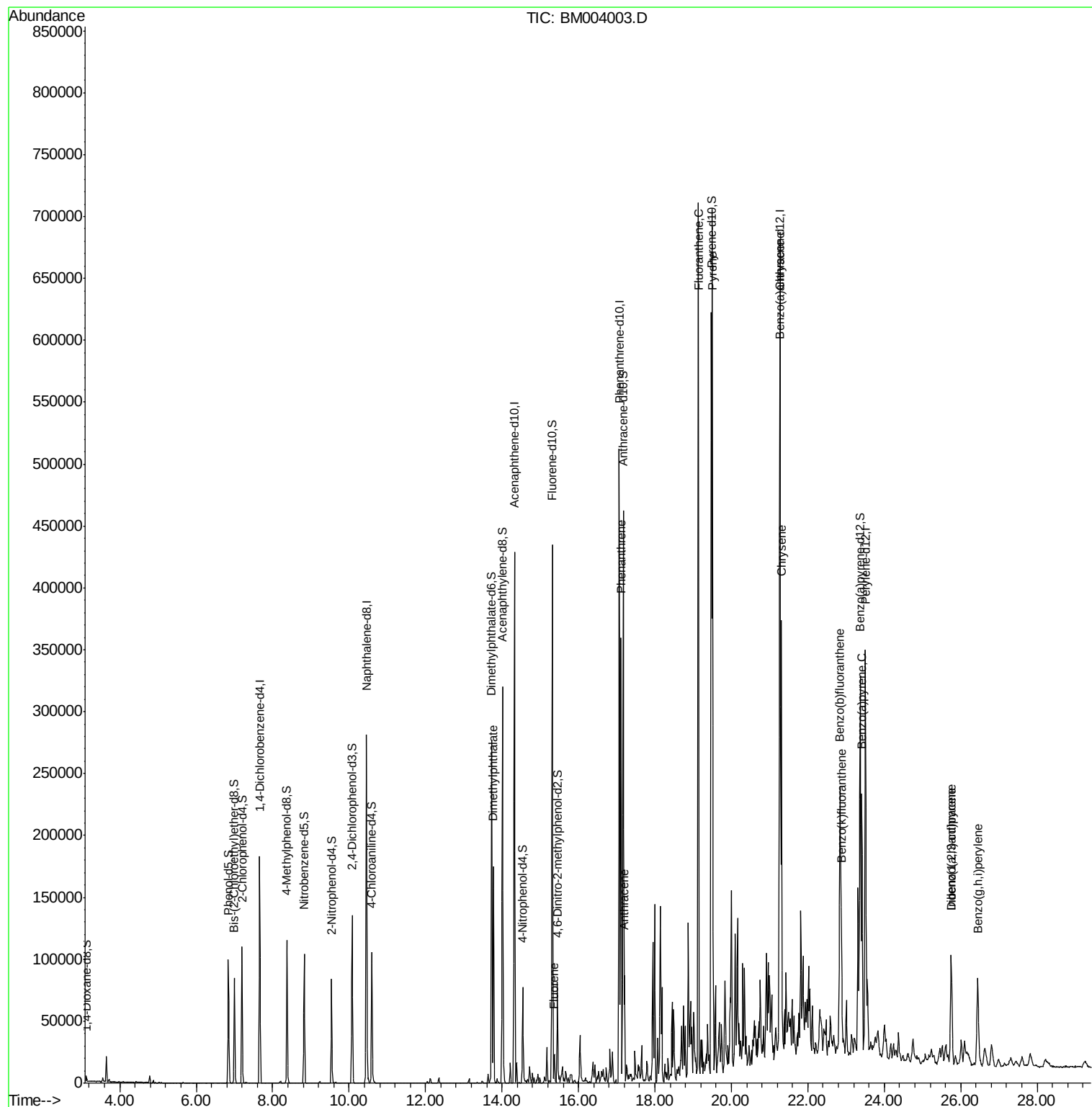
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004003.D
Acq On : 14 Jan 2016 02:52
Operator : SJ/UM
Sample : H1098-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

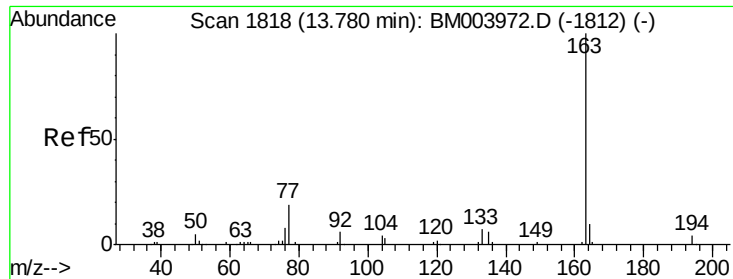
Instrument :
BNA_M
ClientSampleID :
BC9D3

Manual Integrations
APPROVED

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Quant Time: Jan 14 11:55:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
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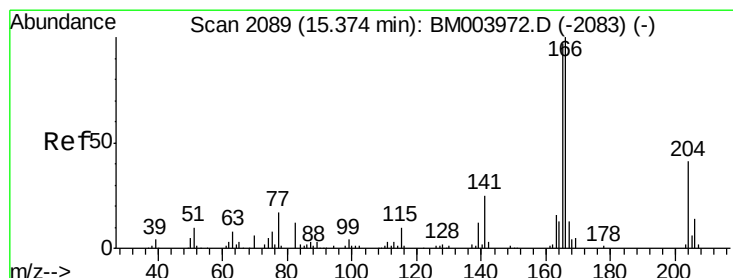
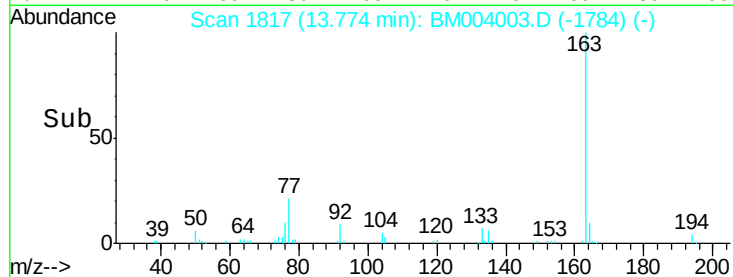
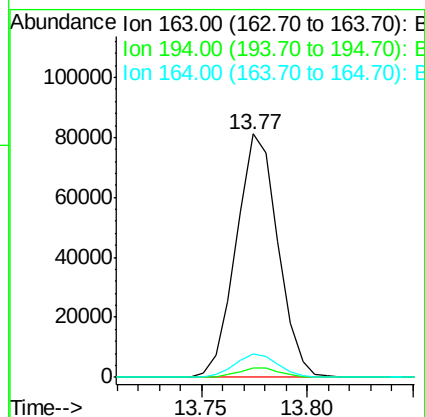
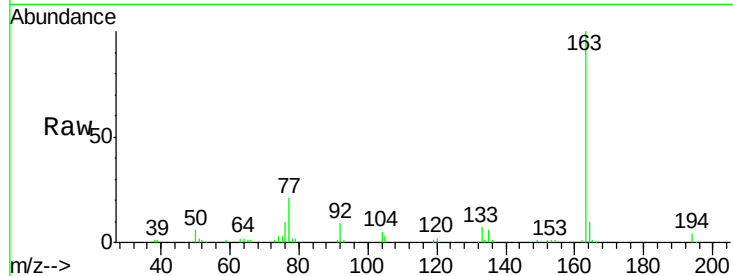
#45
Dimethylphthalate
Concen: 10.02 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM004003.D
Acq: 14 Jan 2016 02:52

Instrument :
BNA_M
ClientSampleId :
BC9D3

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	3.2	4.8
164	9.6	7.8	11.8

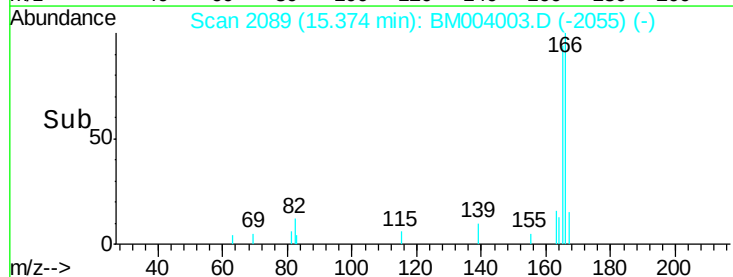
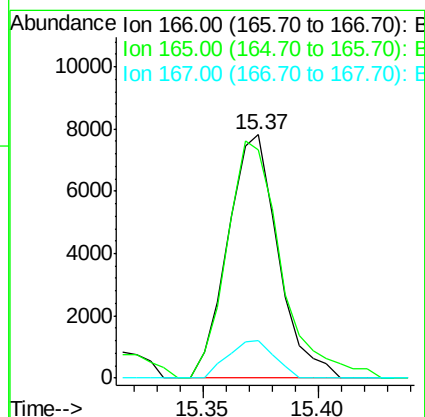
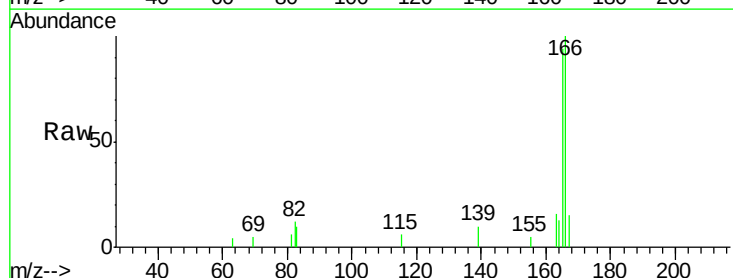
Manual Integrations
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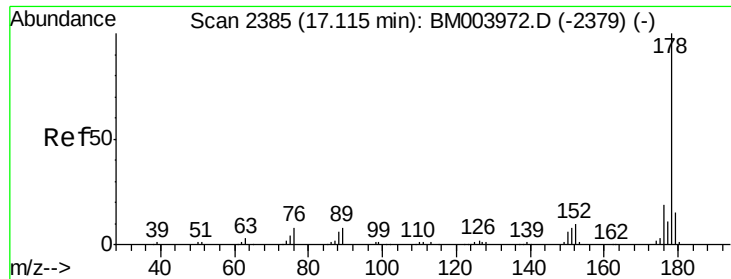
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#59
Fluorene
Concen: 1.11 ng/ul
RT: 15.37 min Scan# 2089
Delta R.T. 0.00 min
Lab File: BM004003.D
Acq: 14 Jan 2016 02:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	93.8	78.5	117.7
167	15.2	10.7	16.1





#70

Phenanthrene

Concen: 12.72 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM004003.D

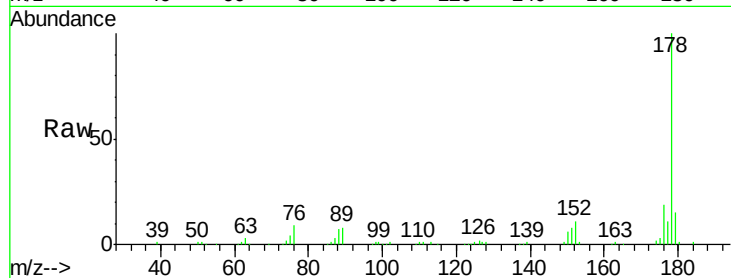
Acq: 14 Jan 2016 02:52

Instrument :

BNA_M

ClientSampleId :

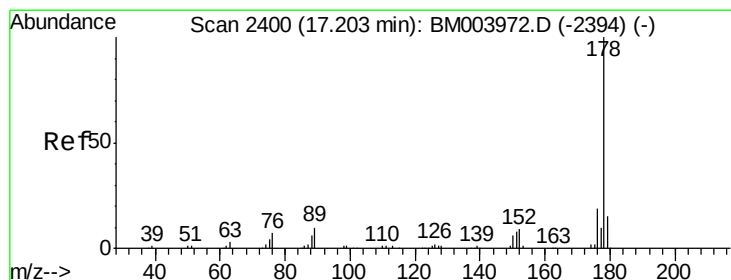
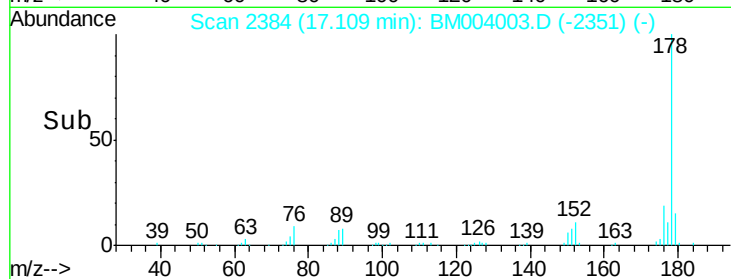
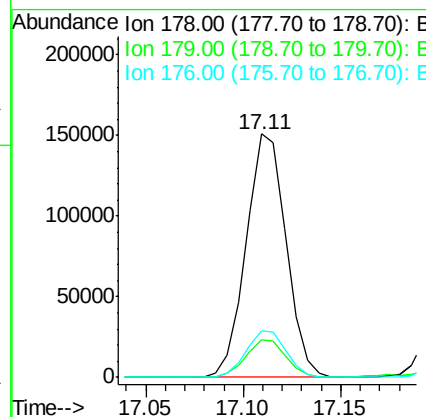
BC9D3



Tgt Ion:	178	Resp:	214149
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.2	18.4
176	19.2	15.6	23.4

Manual Integrations
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#72

Anthracene

Concen: 3.10 ng/ul

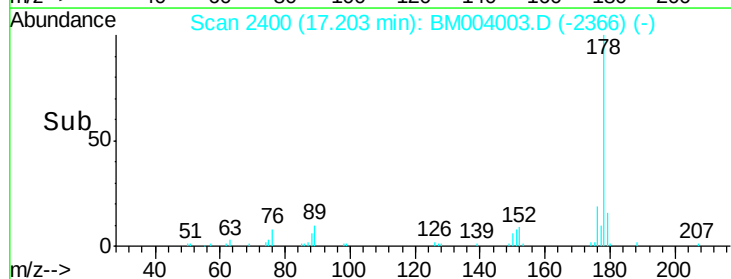
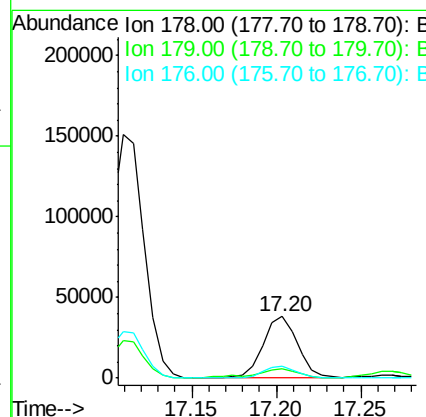
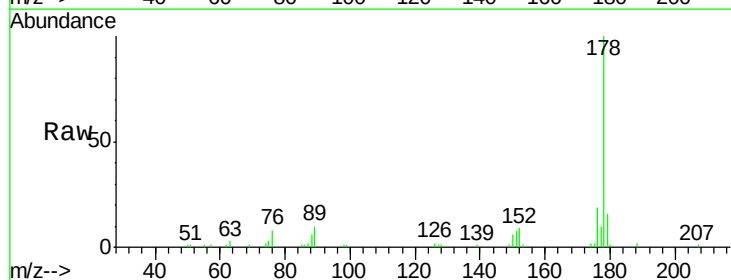
RT: 17.20 min Scan# 2400

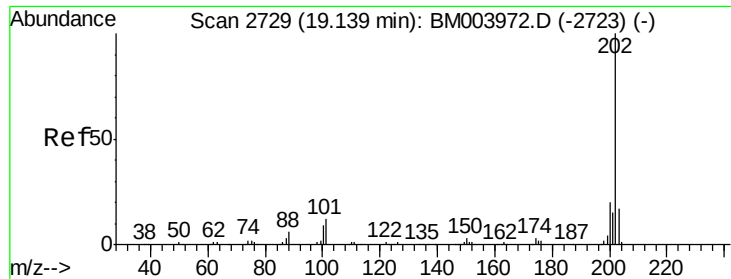
Delta R.T. 0.00 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Tgt Ion:	178	Resp:	53598
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.1	18.1
176	19.0	14.8	22.2





#77

Fluoranthene

Concen: 23.01 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Instrument :

BNA_M

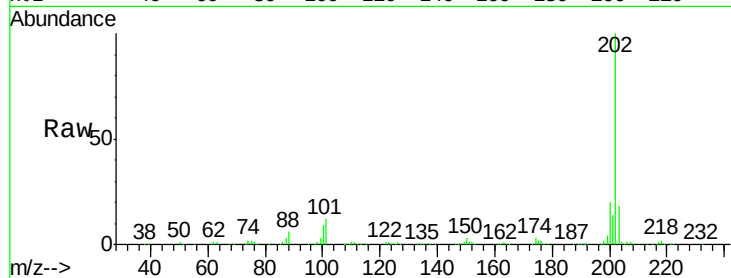
ClientSampleId :

BC9D3

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		402531		
101	11.5	8.8	13.2		
100	8.7	6.6	9.8		

Manual Integrations
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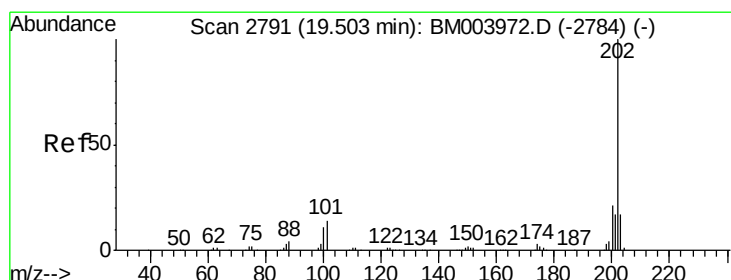
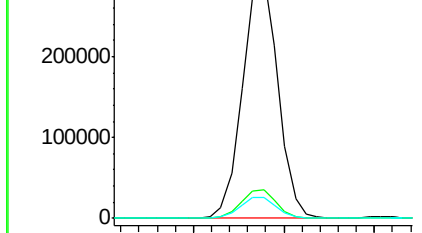
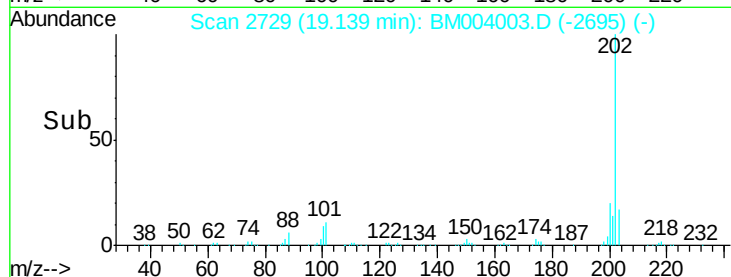


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



#80

Pyrene

Concen: 24.69 ng/ul

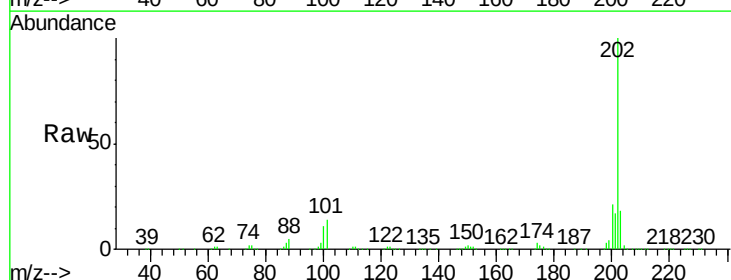
RT: 19.50 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		408048		
101	13.6	10.2	15.2		
100	11.0	8.5	12.7		

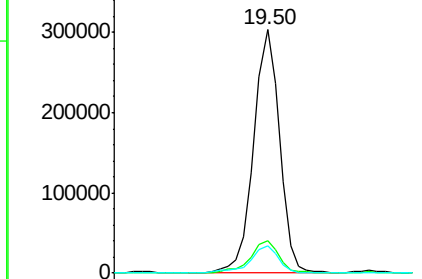
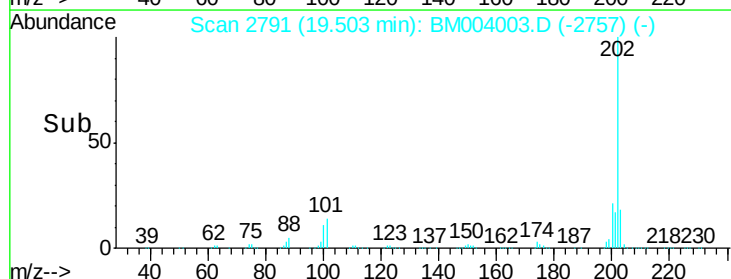


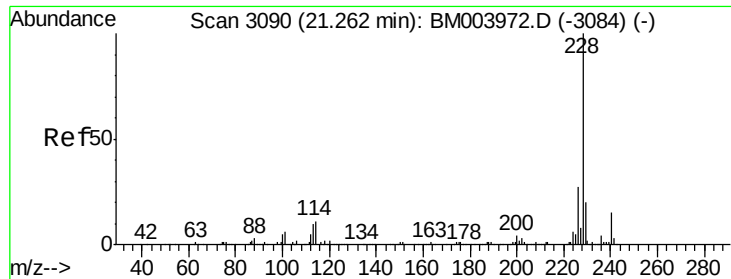
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->





#83

Benzo(a)anthracene

Concen: 12.07 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Instrument :

BNA_M

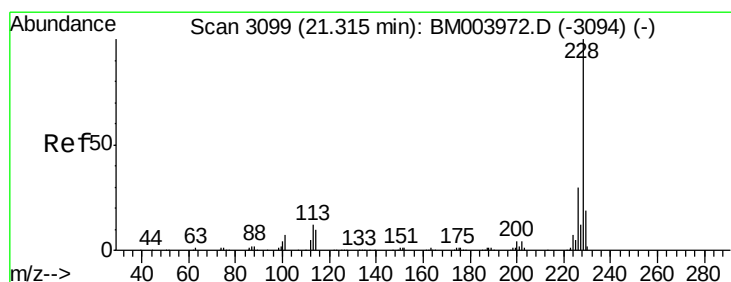
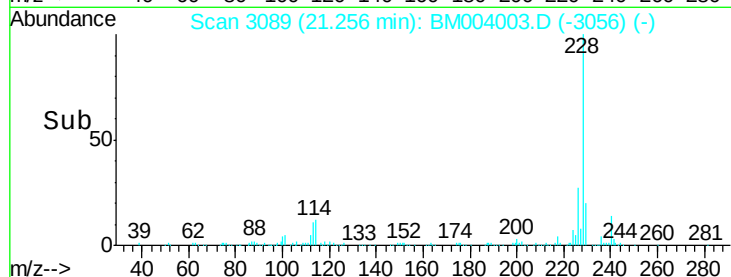
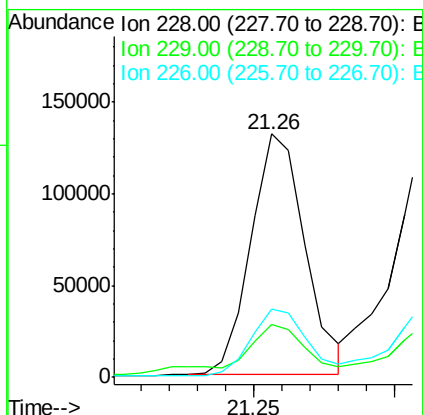
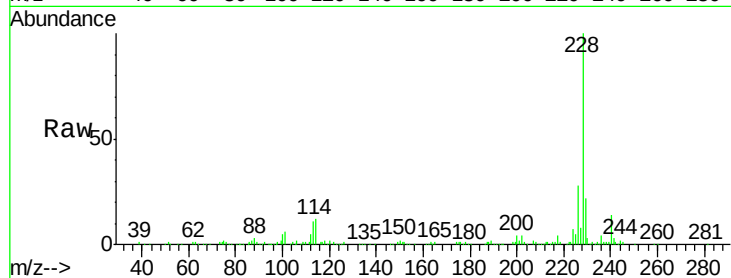
ClientSampleId :

BC9D3

Tgt Ion:	228	Resp:	175034
Ion Ratio	Lower	Upper	
228	100		
229	21.8	15.7	23.5
226	28.0	21.8	32.6

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#85

Chrysene

Concen: 13.29 ng/ul

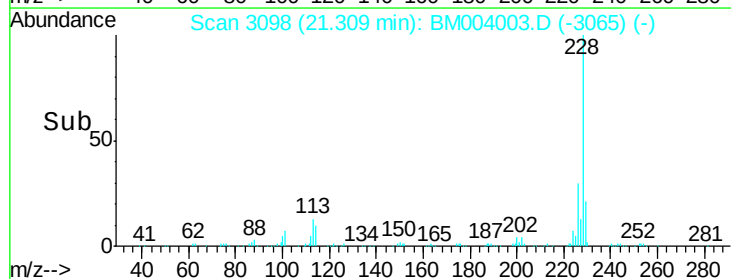
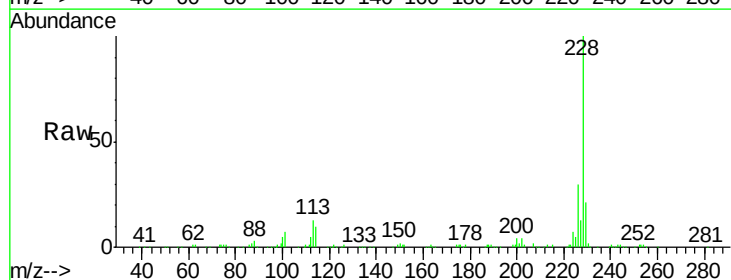
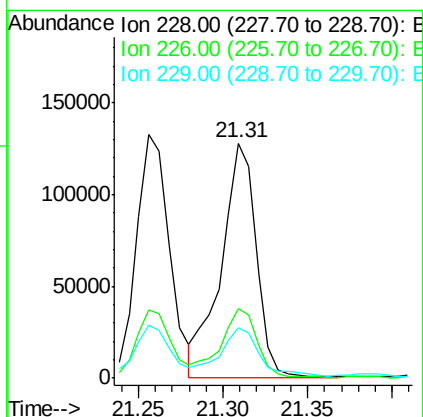
RT: 21.31 min Scan# 3098

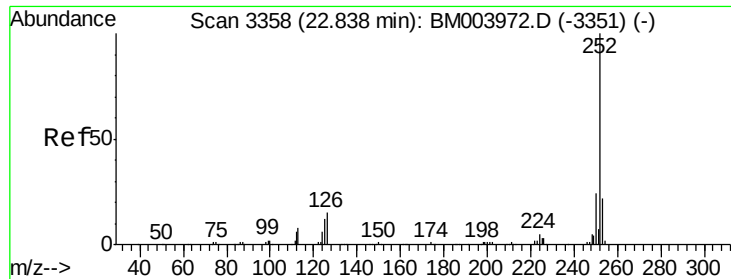
Delta R.T. -0.01 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Tgt Ion:	228	Resp:	183056
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.0	36.0
229	21.5	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 13.44 ng/ul

RT: 22.84 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Instrument :

BNA_M

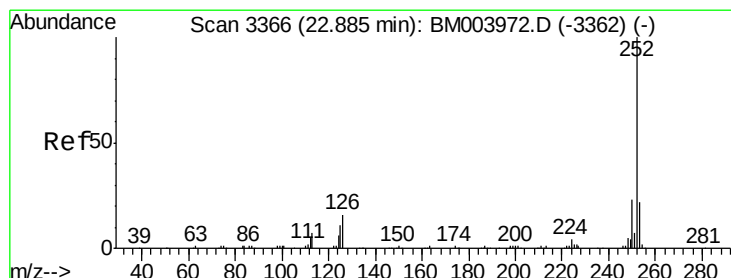
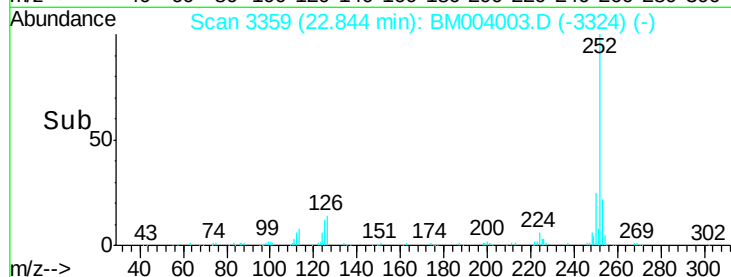
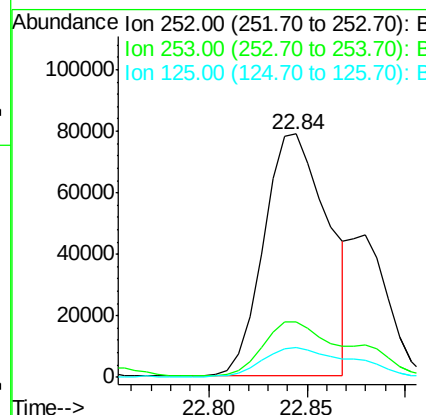
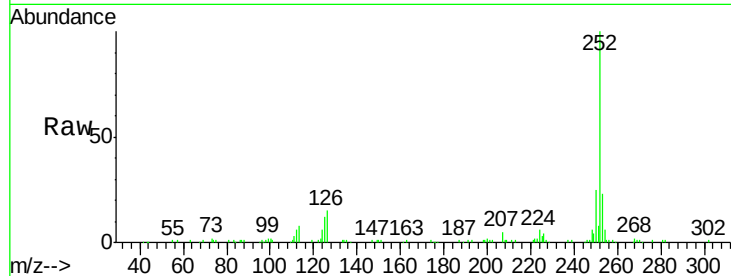
ClientSampleId :

BC9D3

Manual Integrations
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.4	8.5	12.7



#89

Benzo(k)fluoranthene

Concen: 4.98 ng/ul m

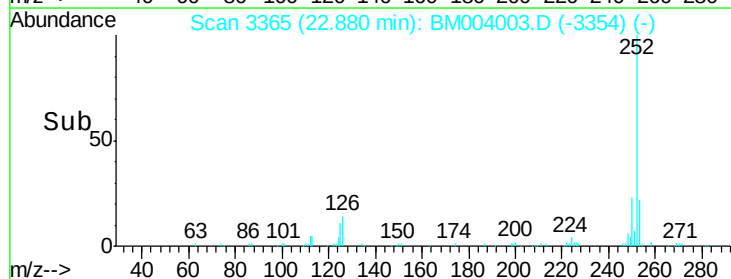
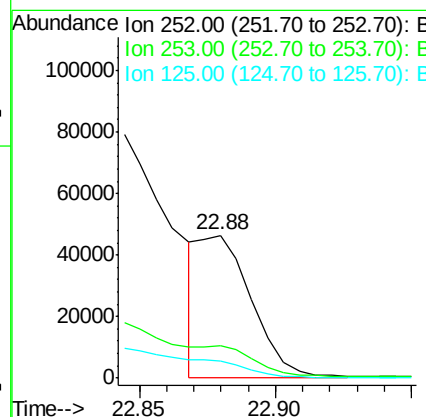
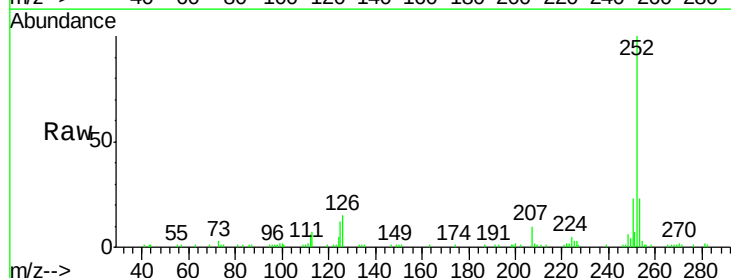
RT: 22.88 min Scan# 3365

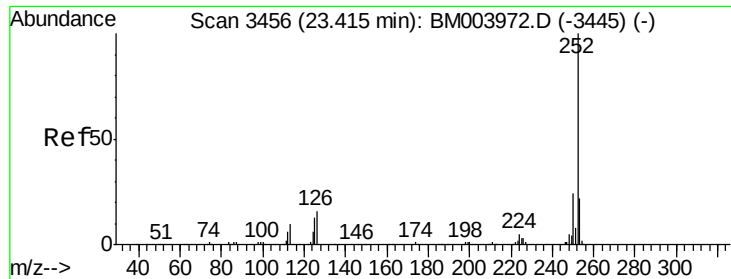
Delta R.T. -0.01 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.9	8.2	12.2





#91

Benzo(a)pyrene

Concen: 11.20 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM004003.D

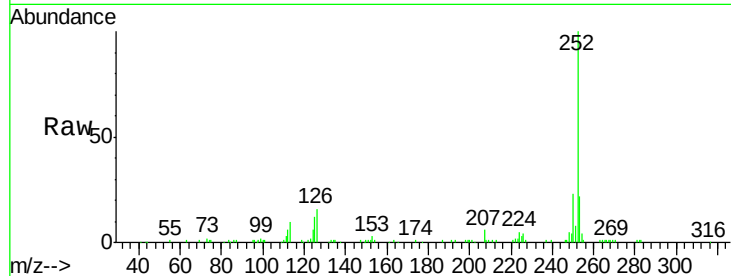
Acq: 14 Jan 2016 02:52

Instrument :

BNA_M

ClientSampled :

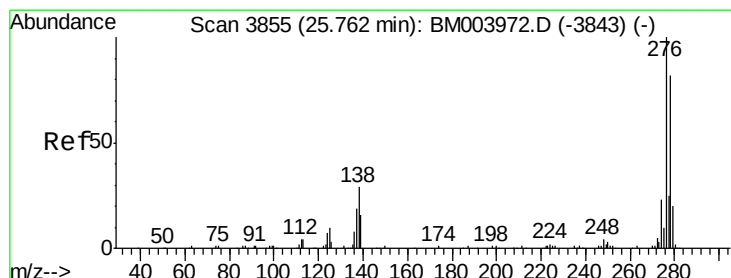
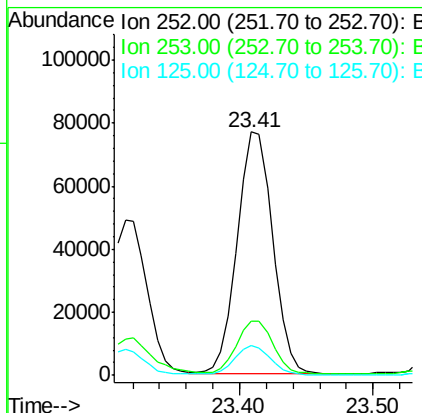
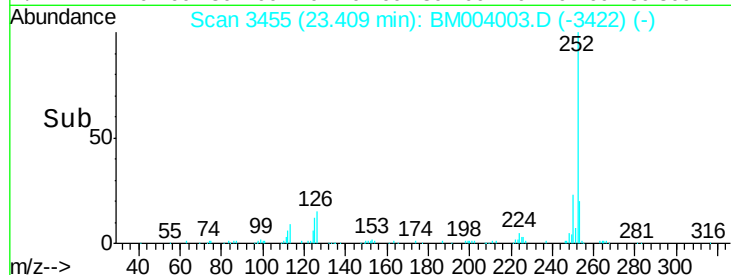
BC9D3



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	12.5	9.0	13.6

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#92

Indeno(1,2,3-cd)pyrene

Concen: 5.96 ng/ul

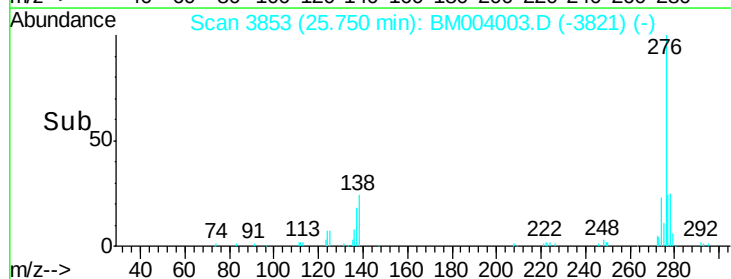
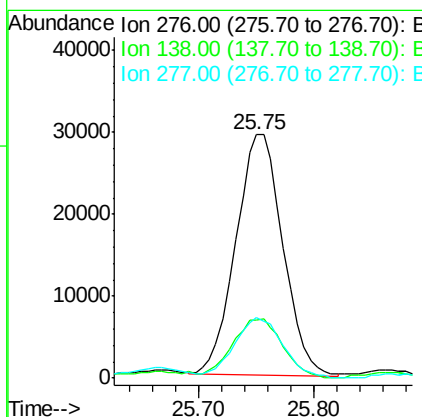
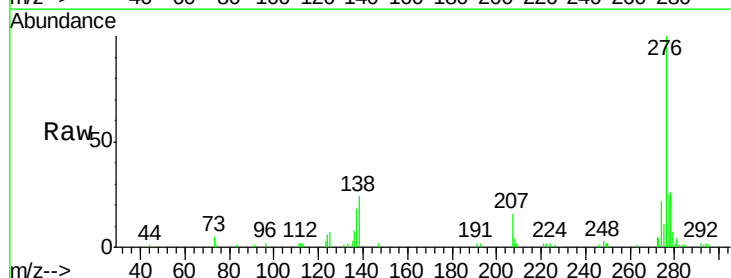
RT: 25.75 min Scan# 3853

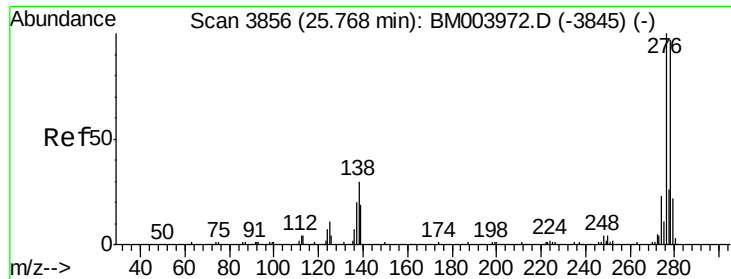
Delta R.T. -0.01 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	22.3	33.5
277	24.6	20.2	30.2





#93

Dibenzo(a,h)anthracene

Concen: 2.16 ng/ul

RT: 25.75 min Scan# 3853

Delta R.T. -0.02 min

Lab File: BM004003.D

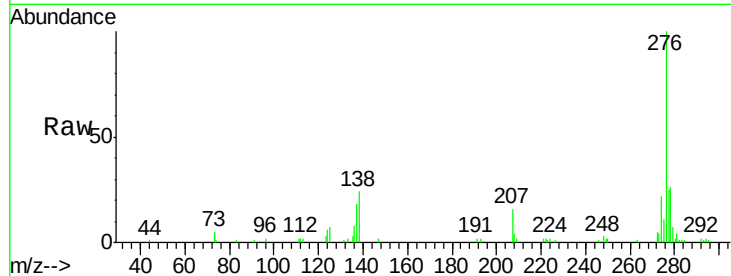
Acq: 14 Jan 2016 02:52

Instrument :

BNA_M

ClientSampleId :

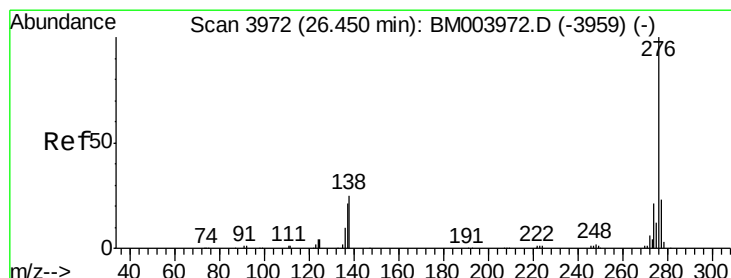
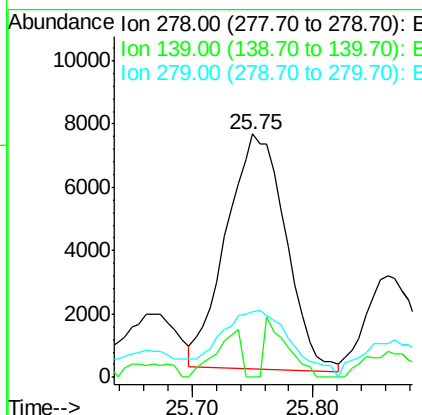
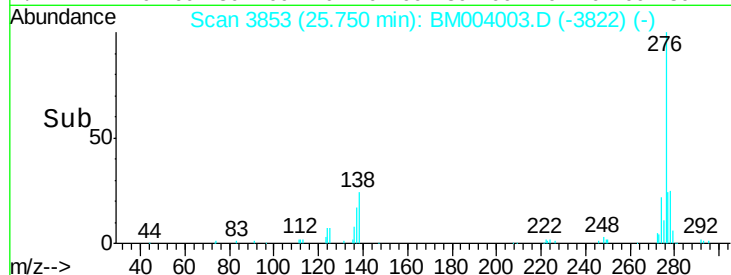
BC9D3



Tgt Ion:	278	Resp:	25428
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.9	20.9#
279	26.9	19.0	28.4

Manual Integrations
APPROVED

MMdadoda
1/14/2016 5:56:49 PM



#94

Benzo(g,h,i)perylene

Concen: 7.13 ng/ul

RT: 26.44 min Scan# 3971

Delta R.T. -0.01 min

Lab File: BM004003.D

Acq: 14 Jan 2016 02:52

Tgt Ion:	276	Resp:	83733
Ion Ratio	Lower	Upper	
276	100		
138	25.0	18.9	28.3
277	24.0	19.2	28.8

