

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
 Data File : BM003977.D
 Acq On : 13 Jan 2016 05:05
 Operator : SJ/UM
 Sample : H1095-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC974

Manual Integrations
 APPROVED

MMdadoda
 1/13/2016 3:28:48 PM

Quant Time: Jan 13 07:13:20 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	39357	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	194624	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	118654	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	272409	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	284588	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	232464	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2998	3.41	ng/uL	0.00
5) Phenol-d5	6.85	99	71730	21.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	41993	22.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	59545	22.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	55814	21.08	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	29108	19.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	31373	19.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	58514	20.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	68956	18.29	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	199831	21.45	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	247720	21.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	26321	15.73	ng/ul	0.00
58) Fluorene-d10	15.32	176	181846	23.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	22573	14.69	ng/ul	0.00
71) Anthracene-d10	17.17	188	280916	22.30	ng/ul	0.00
79) Pyrene-d10	19.47	212	320477	21.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	271483	23.38	ng/ul	0.00

Target Compounds

						Ovalue
45) Dimethylphthalate	13.77	163	68251	7.19	ng/ul	98
48) Acenaphthylene	14.04	152	12907	1.04	ng/ul	99
70) Phenanthrene	17.11	178	145507	9.50	ng/ul	99
72) Anthracene	17.20	178	32996	2.10	ng/ul	99
75) Carbazole	17.48	167	16869	1.22	ng/ul	97
77) Fluoranthene	19.14	202	336889	21.16	ng/ul	99
80) Pyrene	19.50	202	359093	18.59	ng/ul	97
83) Benzo(a)anthracene	21.26	228	167668	9.89	ng/ul	97
85) Chrysene	21.31	228	192971	11.98	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	189894	13.44	ng/ul	97
89) Benzo(k)fluoranthene	22.88	252	69575m	5.17	ng/ul	
91) Benzo(a)pyrene	23.42	252	141847	10.58	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.76	276	79633	5.37	ng/ul	97
93) Dibenzo(a,h)anthracene	25.76	278	23141m	1.86	ng/ul	
94) Benzo(g,h,i)perylene	26.44	276	79081	6.35	ng/ul	98

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

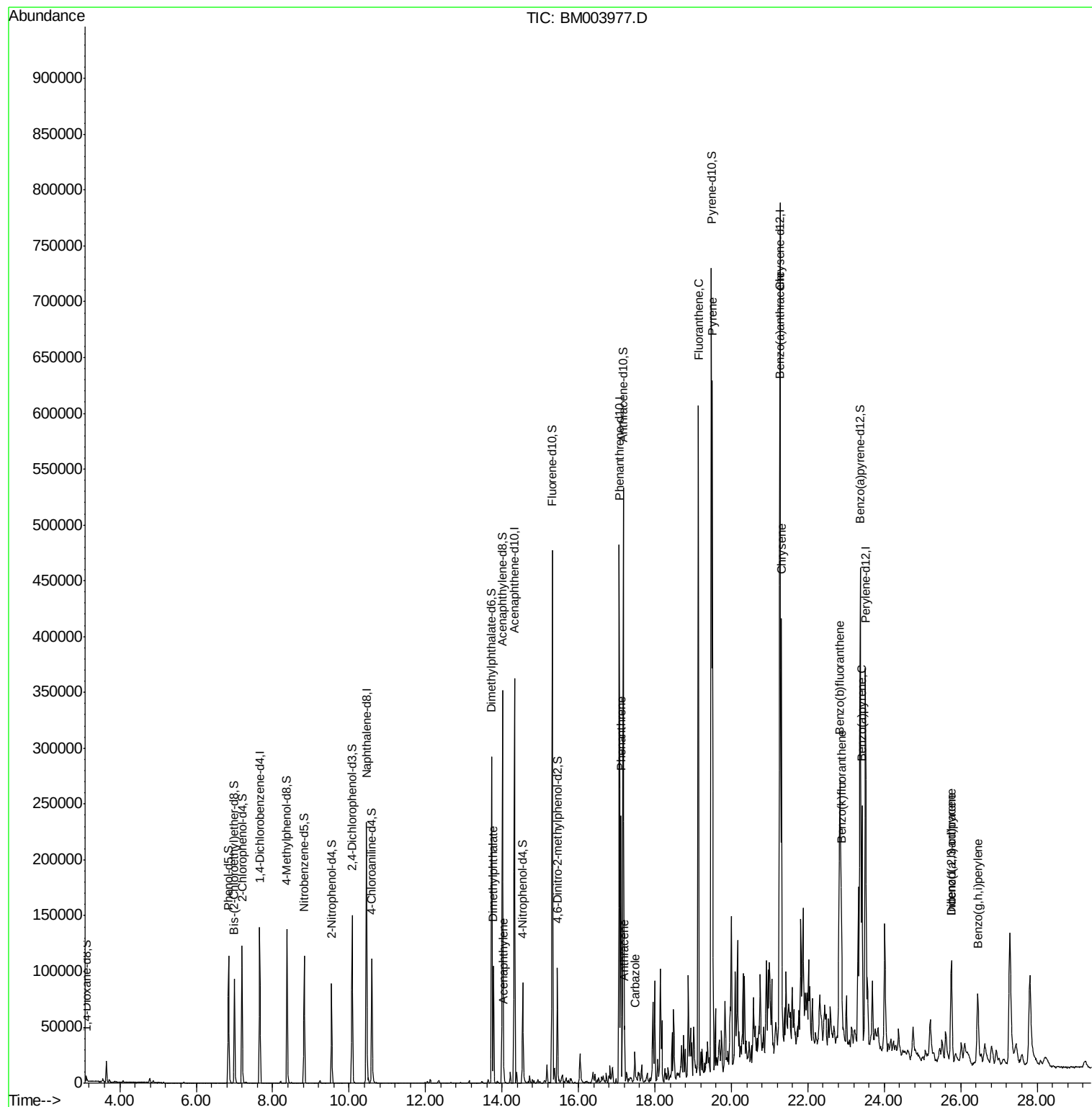
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003977.D
Acq On : 13 Jan 2016 05:05
Operator : SJ/UM
Sample : H1095-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

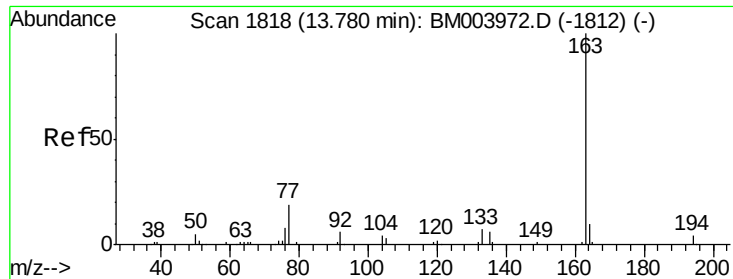
Instrument :
BNA_M
ClientSampleId :
BC974

Quant Time: Jan 13 07:13:20 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
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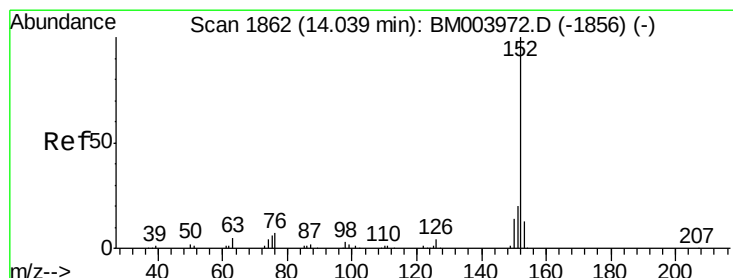
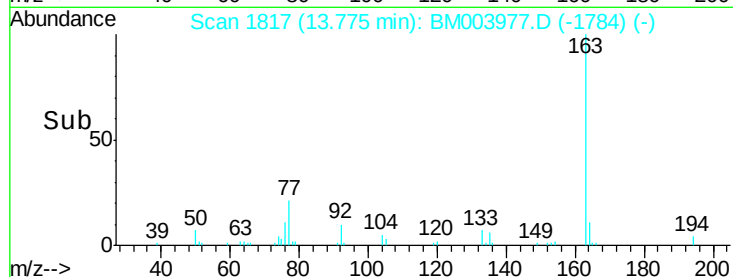
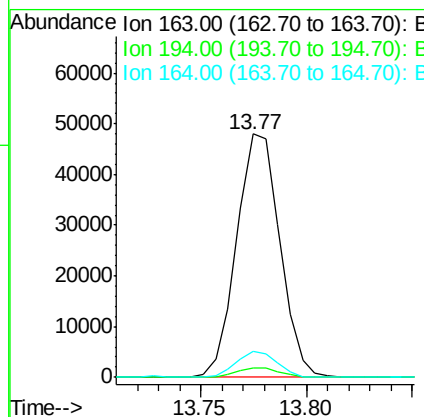
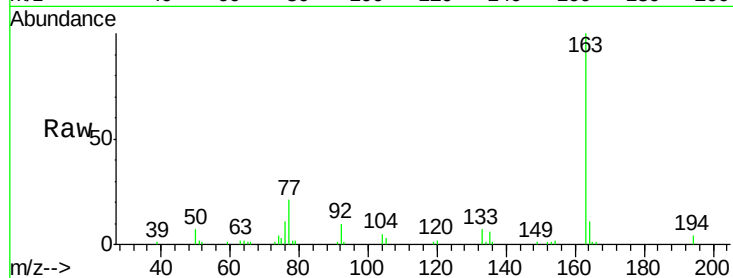
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Dimethylphthalate
Concen: 7.19 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM003977.D
Acq: 13 Jan 2016 05:05

Instrument :
BNA_M
ClientSampleId :
BC974

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.5	7.8	11.8

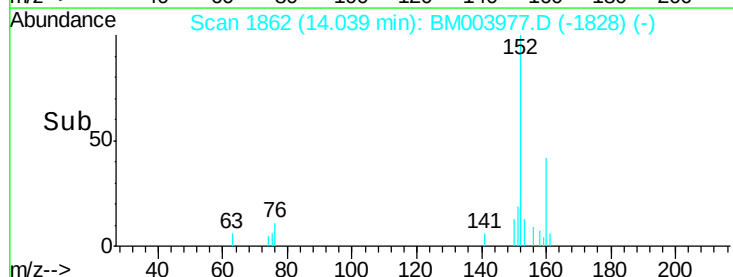
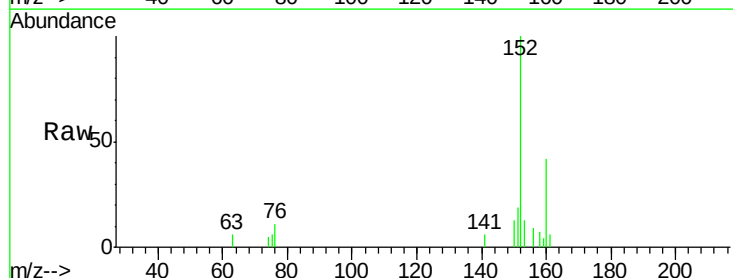
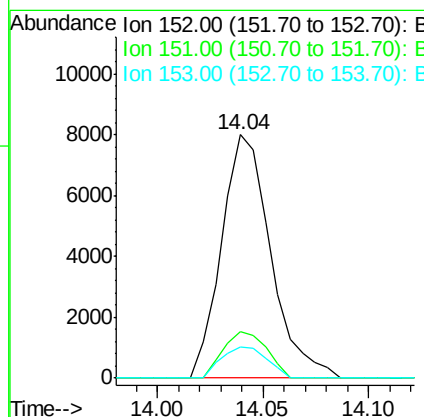
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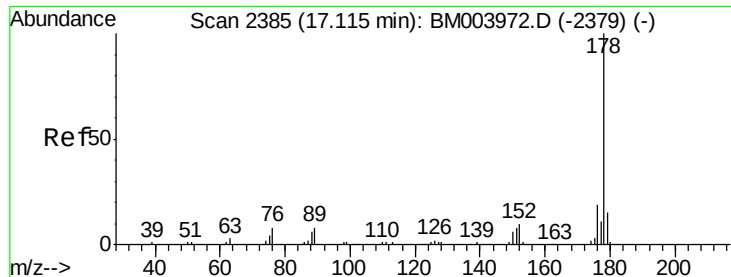
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#48
Acenaphthylene
Concen: 1.04 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM003977.D
Acq: 13 Jan 2016 05:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.0	10.5	15.7





#70

Phenanthrene

Concen: 9.50 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Instrument :

BNA_M

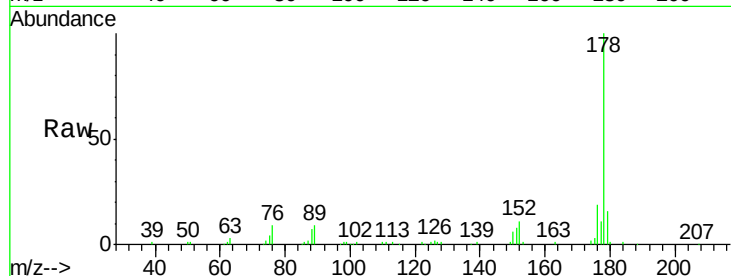
ClientSampled :

BC974

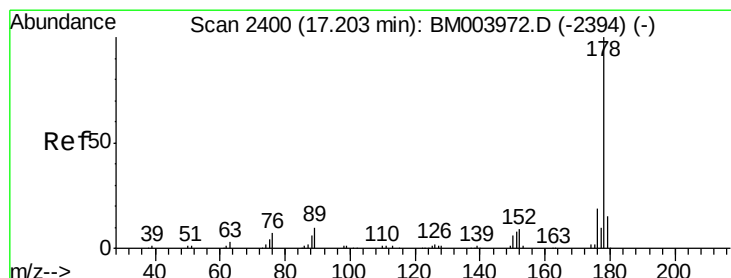
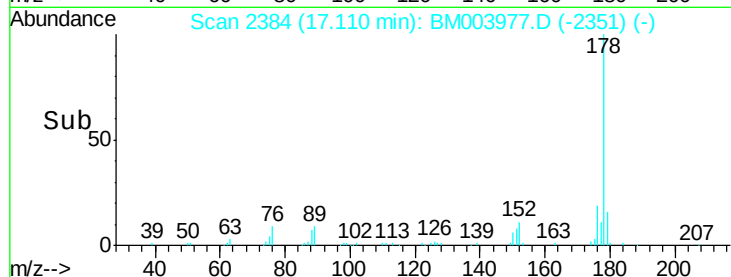
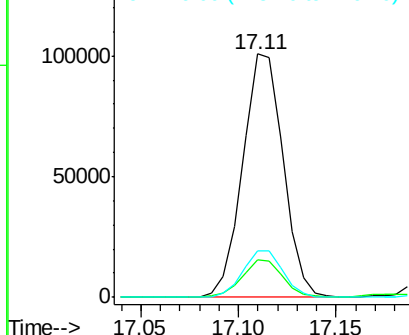
Tot Ion:	178	Resp:	145507
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.2	18.4
176	18.9	15.6	23.4

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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



#72

Anthracene

Concen: 2.10 ng/ul

RT: 17.20 min Scan# 2400

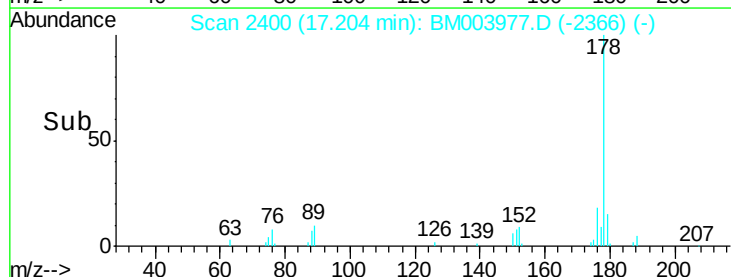
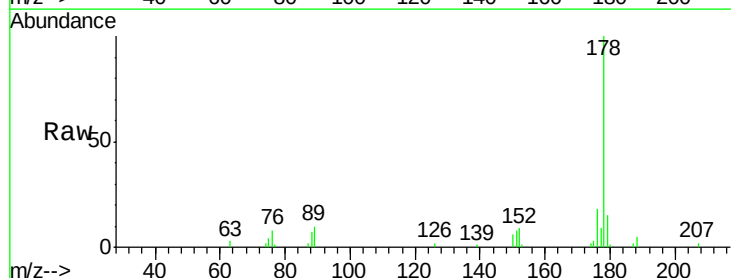
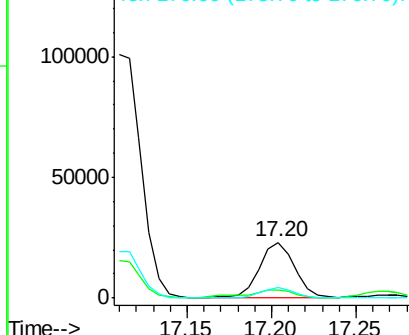
Delta R.T. 0.00 min

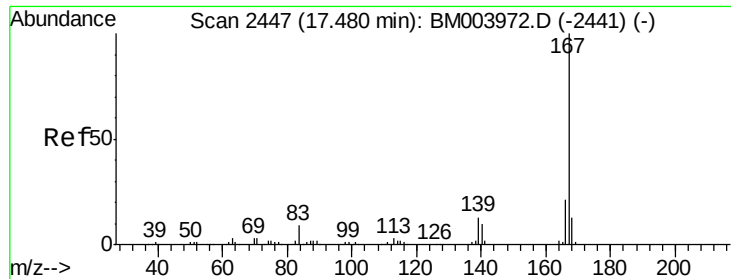
Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Tgt Ion:	178	Resp:	32996
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.1	18.1
176	18.0	14.8	22.2

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





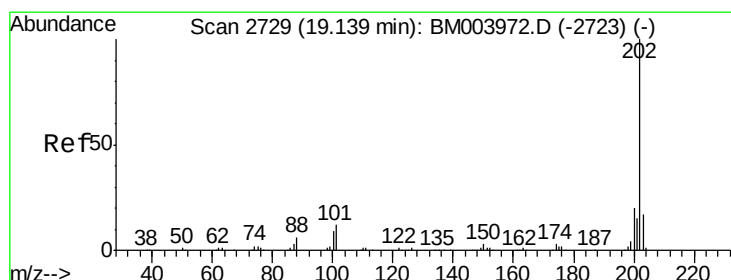
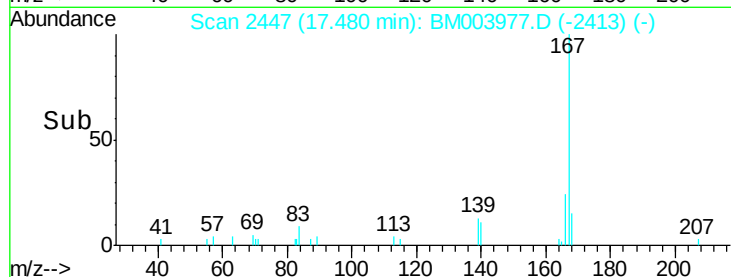
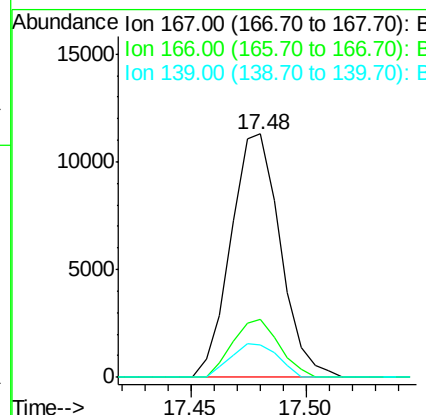
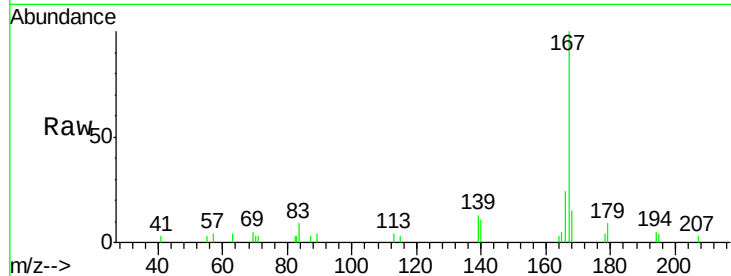
#75
 Carbazole
 Concen: 1.22 ng/ul
 RT: 17.48 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: BM003977.D
 Acq: 13 Jan 2016 05:05

Instrument :
 BNA_M
 ClientSampleId :
 BC974

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.0	25.6
139	13.4	11.0	16.4

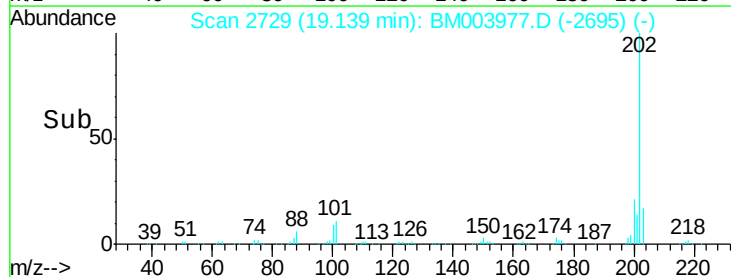
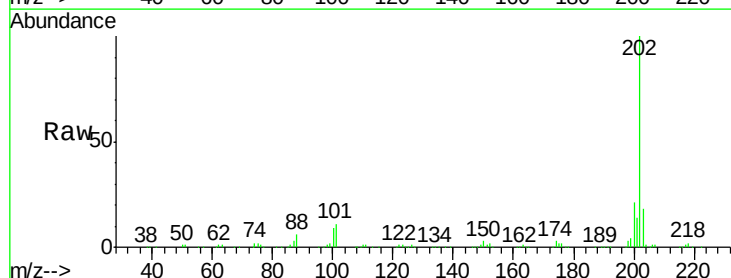
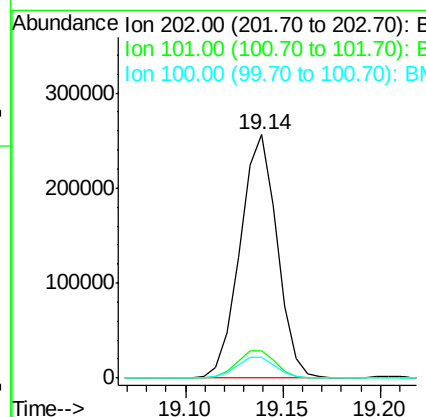
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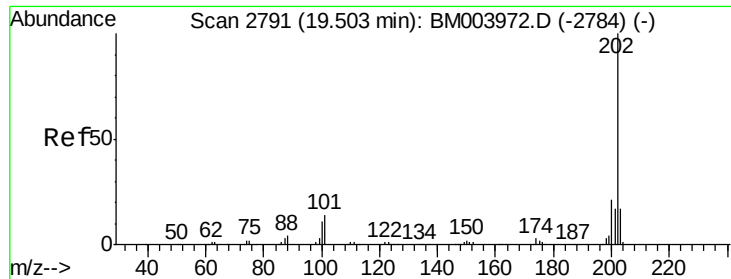
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#77
 Fluoranthene
 Concen: 21.16 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BM003977.D
 Acq: 13 Jan 2016 05:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.8	13.2
100	8.6	6.6	9.8





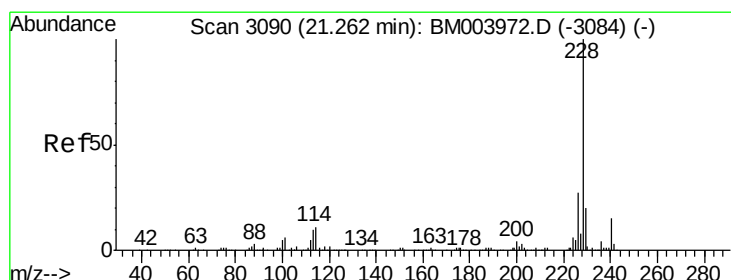
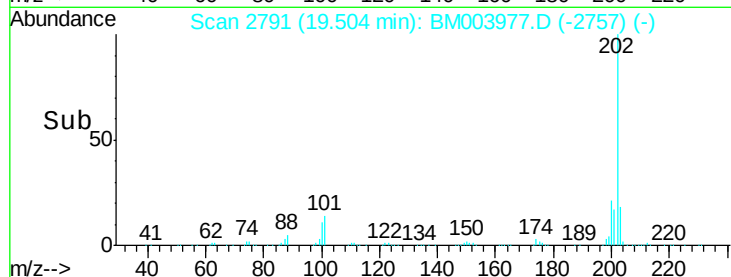
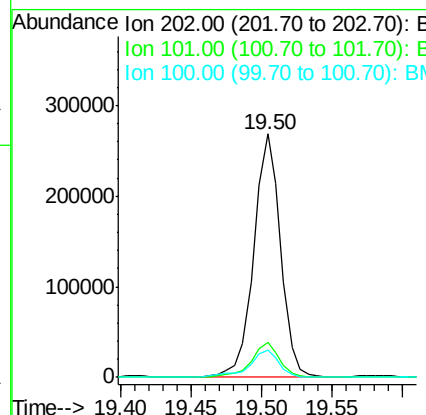
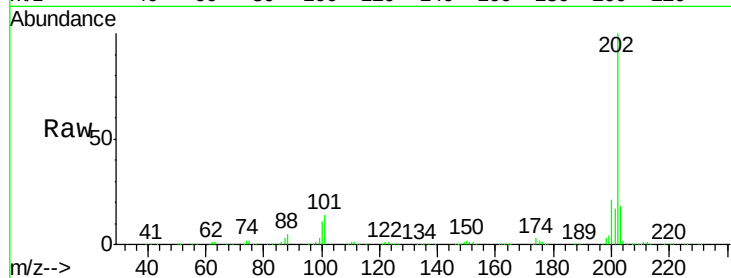
#80
Pvrene
Concen: 18.59 ng/ul
RT: 19.50 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM003977.D
Acq: 13 Jan 2016 05:05

Instrument :
BNA_M
ClientSampleId :
BC974

Tot Ion	Ratio	Resp	Lower	Upper
202	100	359093		
101	14.2	10.2	15.2	
100	11.1	8.5	12.7	

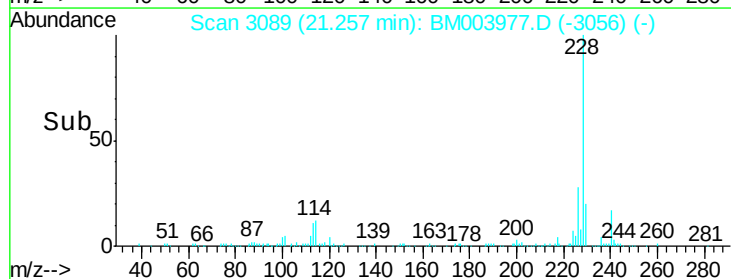
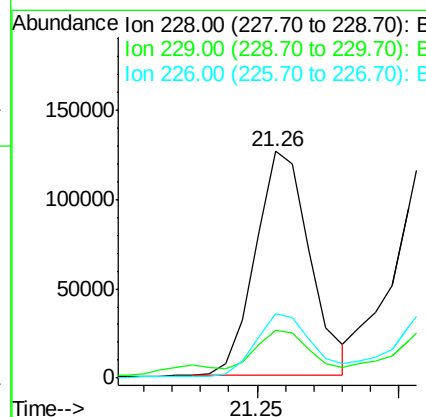
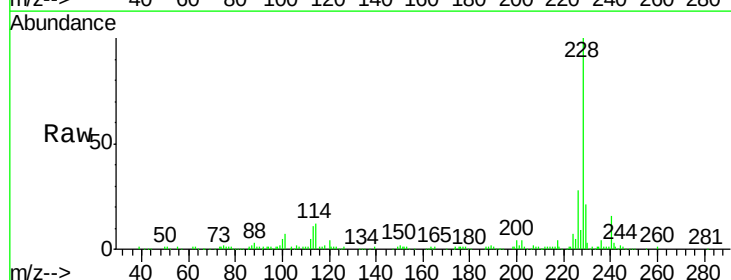
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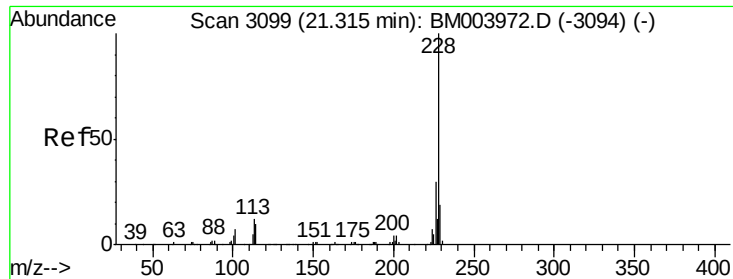
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#83
Benzo(a)anthracene
Concen: 9.89 ng/ul
RT: 21.26 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM003977.D
Acq: 13 Jan 2016 05:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	167668		
229	21.2	15.7	23.5	
226	28.4	21.8	32.6	





#85

Chrysene

Concen: 11.98 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Instrument :

BNA_M

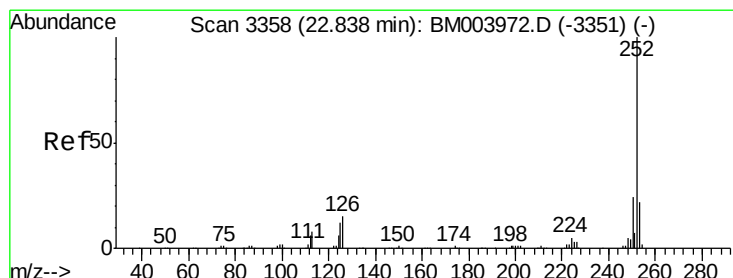
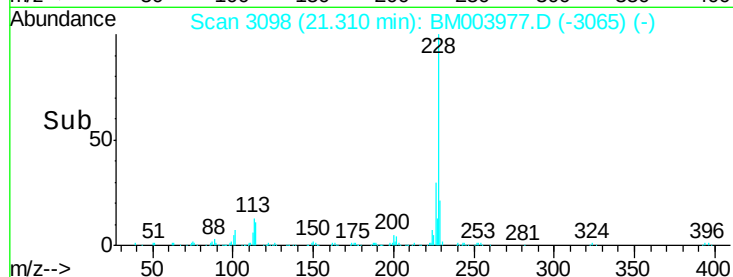
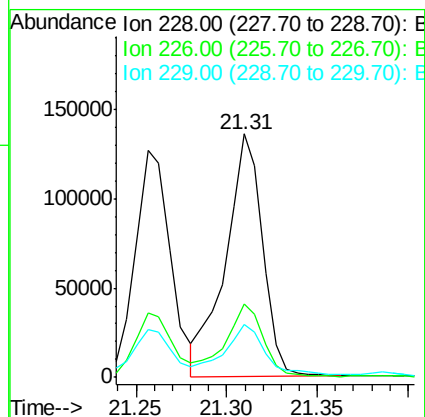
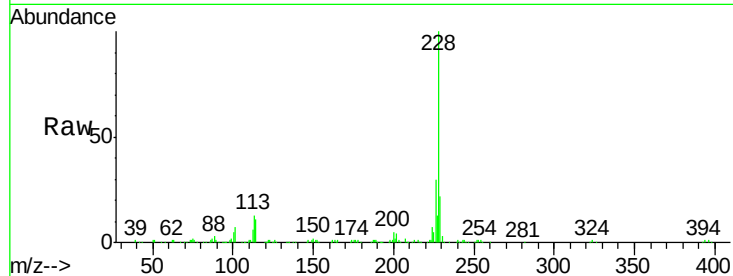
ClientSampleId :

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Tot Ion:	228	Resp:	192971
Ion Ratio		Lower	Upper
228	100		
226	30.1	24.0	36.0
229	21.7	15.6	23.4

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 13.44 ng/ul

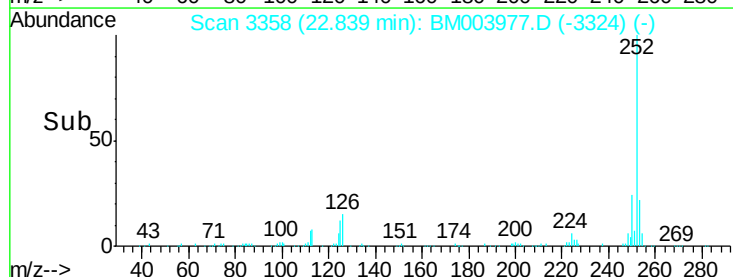
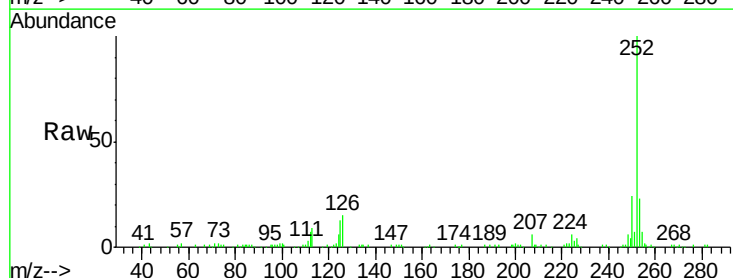
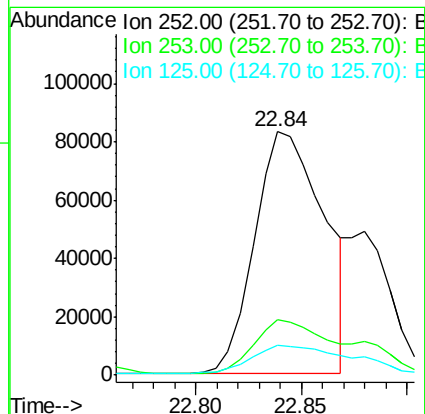
RT: 22.84 min Scan# 3358

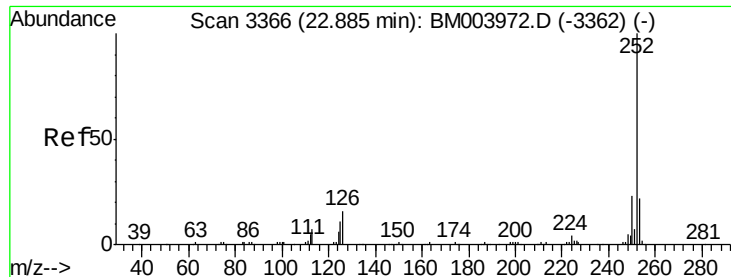
Delta R.T. 0.00 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Tgt Ion:	252	Resp:	189894
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.5	8.5	12.7





#89

Benzo(k)fluoranthene

Concen: 5.17 ng/ul m

RT: 22.88 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Instrument :

BNA_M

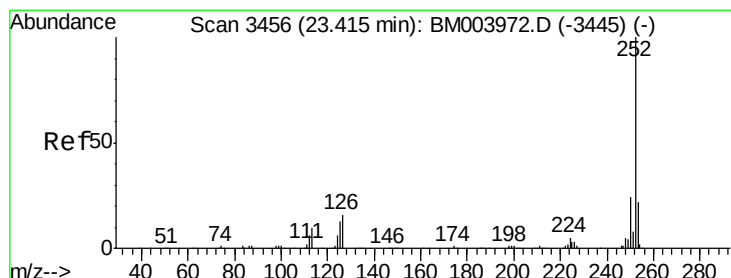
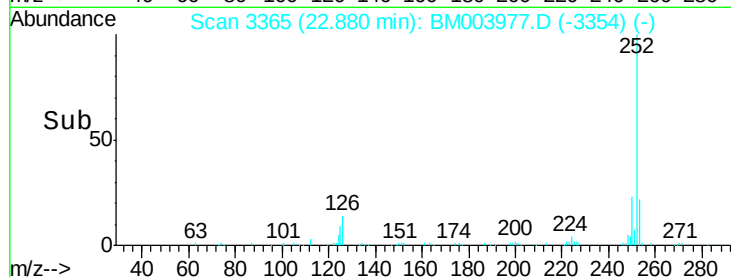
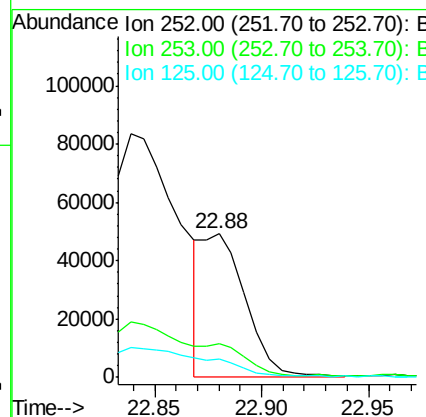
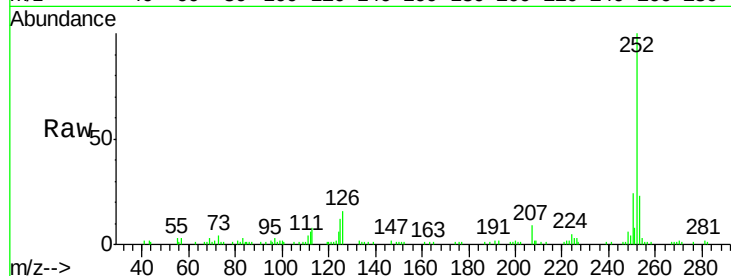
ClientSampled :

BC974

Tot Ion:	252	Resp:	69575
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	12.4	8.2	12.2#

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 10.58 ng/ul

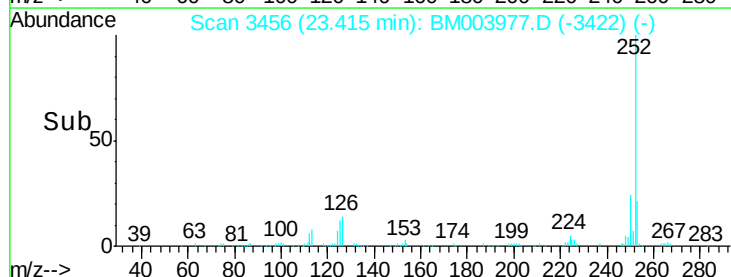
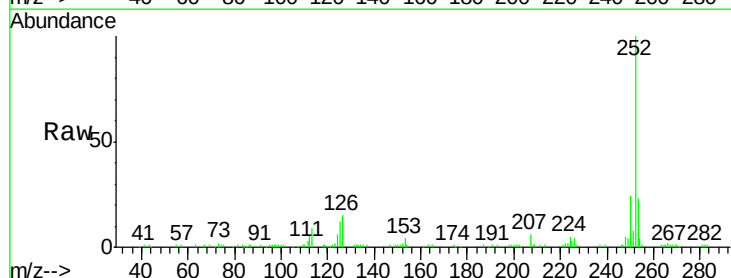
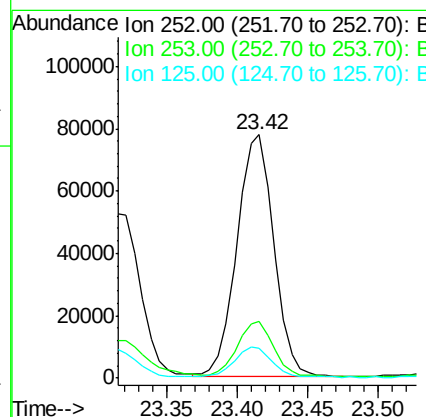
RT: 23.42 min Scan# 3456

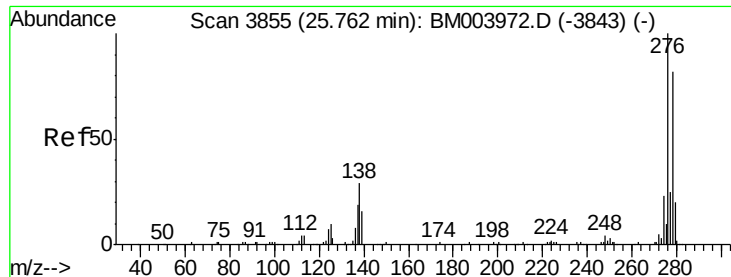
Delta R.T. 0.00 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Tgt Ion:	252	Resp:	141847
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.2	25.8
125	12.4	9.0	13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.37 ng/ul

RT: 25.76 min Scan# 3854

Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Instrument :

BNA_M

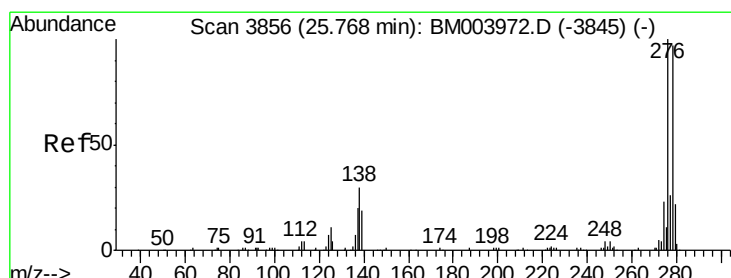
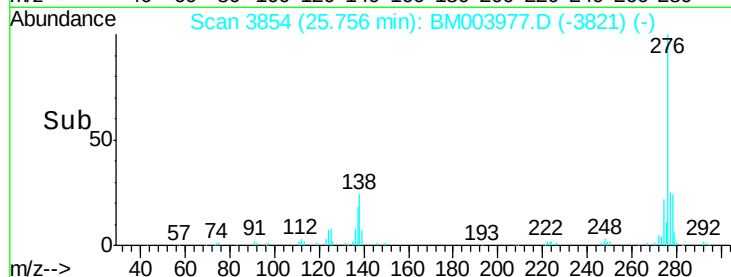
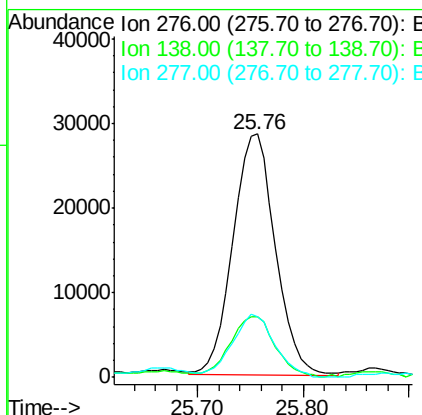
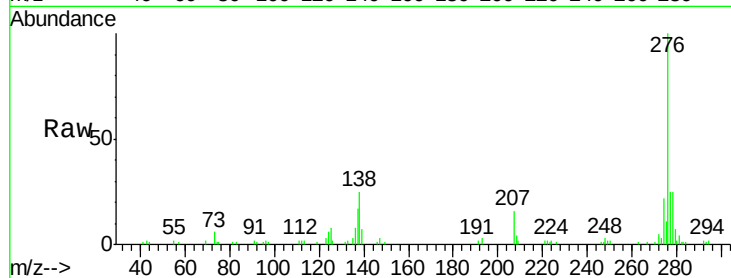
ClientSampleId :

BC974

Tot Ion:	276	Resp:	79633
Ion Ratio	Lower	Upper	
276	100		
138	24.6	22.3	33.5
277	25.0	20.2	30.2

Manual Integrations
APPROVED

MMdadoda
1/13/2016 3:28:48 PM



#93

Dibenzo(a,h)anthracene

Concen: 1.86 ng/ul m

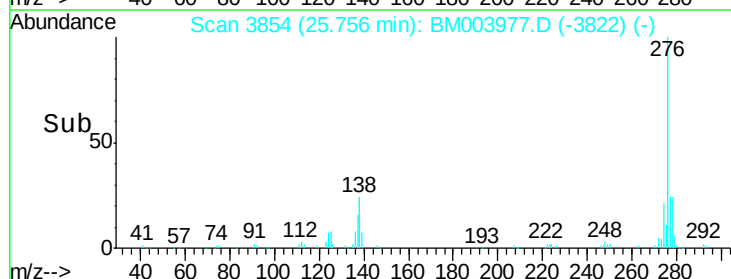
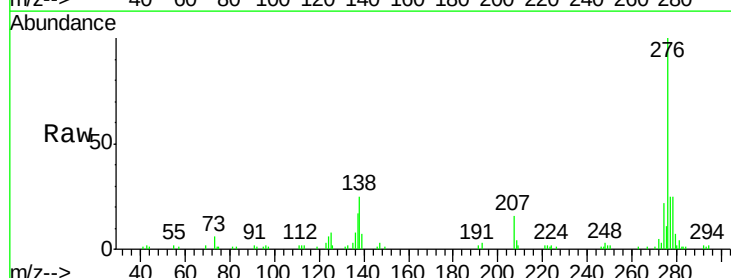
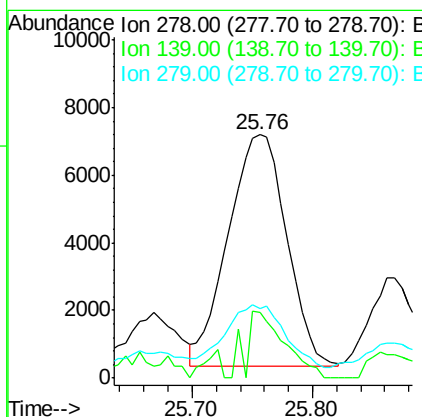
RT: 25.76 min Scan# 3854

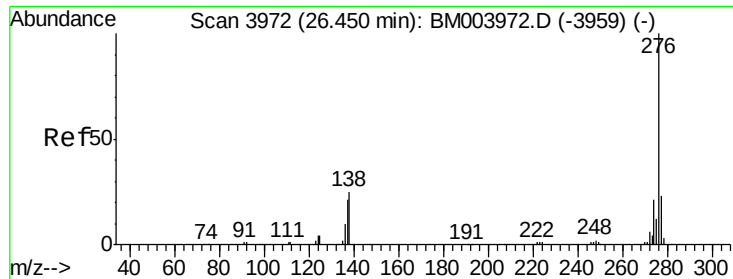
Delta R.T. -0.01 min

Lab File: BM003977.D

Acq: 13 Jan 2016 05:05

Tgt Ion:	278	Resp:	23141
Ion Ratio	Lower	Upper	
278	100		
139	26.9	13.9	20.9#
279	28.8	19.0	28.4#





#94
 Benzo(a,h,i)perylene
 Concen: 6.35 ng/ul
 RT: 26.44 min Scan# 3971
 Delta R.T. -0.01 min
 Lab File: BM003977.D
 Acq: 13 Jan 2016 05:05

Instrument :
 BNA_M
 ClientSampleId :
 BC974

Tot Ion:	276	Resp:	79081
Ion Ratio	Lower	Upper	
276	100		
138	25.9	18.9	28.3
277	23.9	19.2	28.8

Manual Integrations
 APPROVED

MMdadoda
 1/13/2016 3:28:48 PM

