

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
 Data File : BM003984.D
 Acq On : 13 Jan 2016 10:14
 Operator : SJ/UM
 Sample : H1095-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC977

Manual Integrations
 APPROVED

MMdadoda
 1/13/2016 3:28:54 PM

Quant Time: Jan 13 11:11:55 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	36512	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	181207	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	111228	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	247849	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	231062	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	191817	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.13	96	1610	1.97	ng/uL	0.00
5) Phenol-d5	6.85	99	40169	13.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	25521	14.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	34963	14.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	17992	7.32	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	17207	12.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	18654	12.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	32733	12.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	22210	6.33	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	119673	13.70	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	147851	13.90	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	11110	7.08	ng/ul	0.00
58) Fluorene-d10	15.32	176	110016	14.85	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	10761	7.70	ng/ul	0.00
71) Anthracene-d10	17.17	188	168039	14.66	ng/ul	0.00
79) Pyrene-d10	19.47	212	185450	15.50	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	142623	14.89	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
45) Dimethylphthalate	13.77	163	43668	4.91	ng/ul	100
48) Acenaphthylene	14.04	152	19376	1.66	ng/ul	98
59) Fluorene	15.37	166	9147	1.07	ng/ul	98
70) Phenanthrene	17.11	178	202911	14.56	ng/ul	99
72) Anthracene	17.20	178	43290	3.03	ng/ul	98
75) Carbazole	17.48	167	16296	1.30	ng/ul	97
77) Fluoranthene	19.14	202	432863	29.89	ng/ul	98
80) Pyrene	19.50	202	544208	34.70	ng/ul	98
83) Benzo(a)anthracene	21.26	228	207491	15.08	ng/ul	96
85) Chrysene	21.32	228	259130	19.82	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	233953	20.06	ng/ul	98
89) Benzo(k)fluoranthene	22.88	252	77281m	6.96	ng/ul	
91) Benzo(a)pyrene	23.41	252	183859	16.63	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.76	276	111406	9.11	ng/ul	97
93) Dibenzo(a,h)anthracene	25.76	278	31713	3.09	ng/ul#	77
94) Benzo(g,h,i)perylene	26.45	276	114294	11.13	ng/ul	98

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

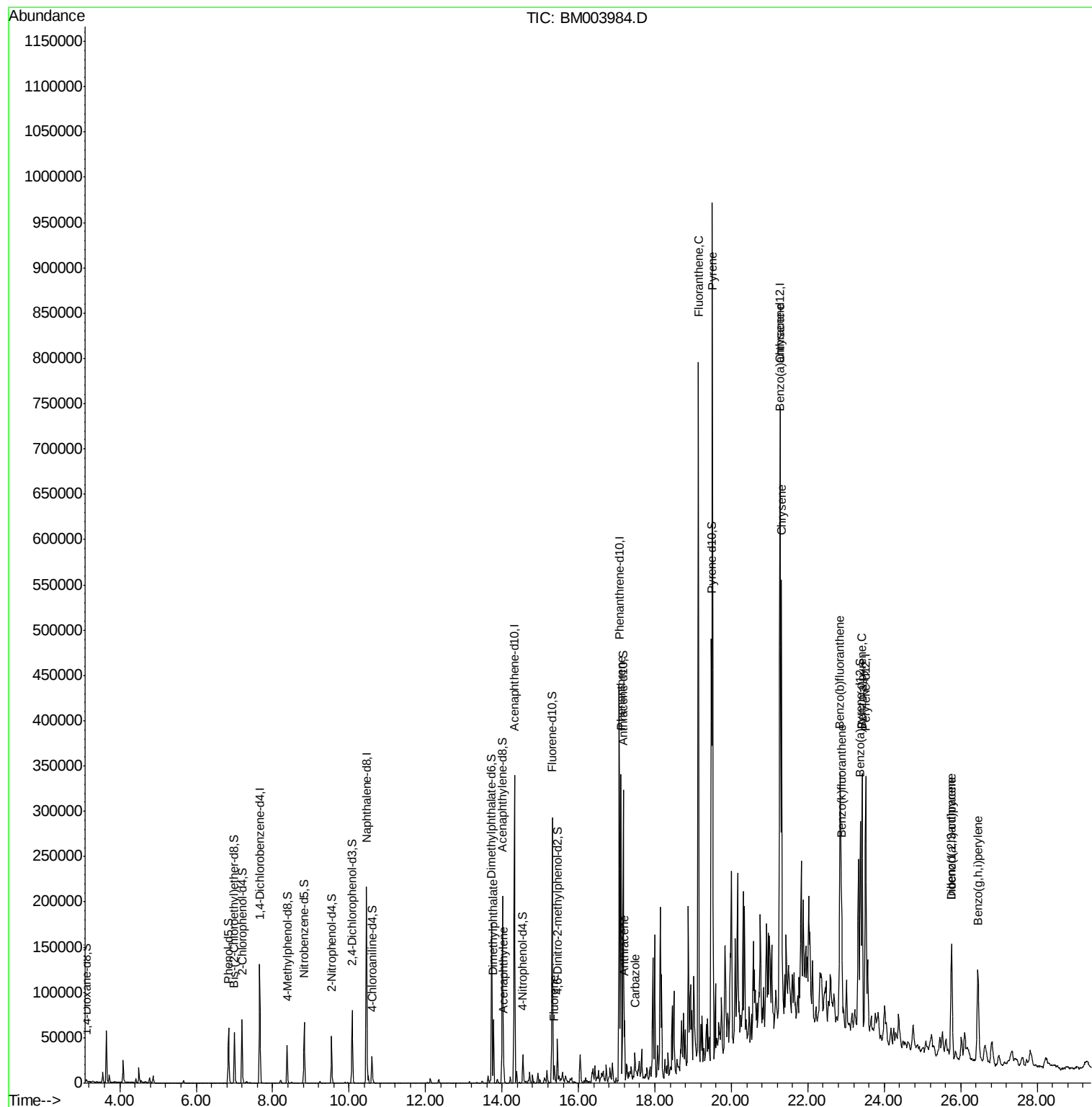
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

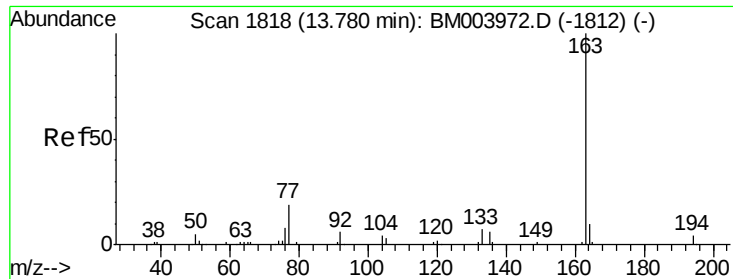
Instrument :
BNA_M
ClientSampleId :
BC977

Manual Integrations
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Quant Time: Jan 13 11:11:55 2016
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Quant Title : SVOA CALIBRATION
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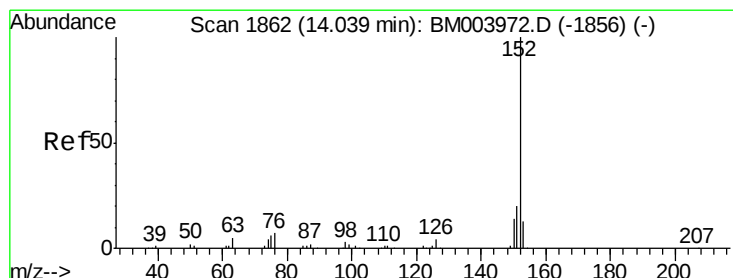
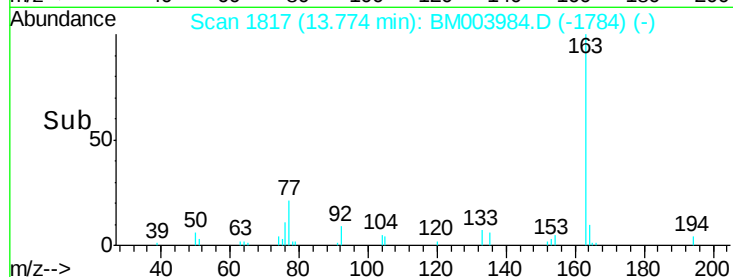
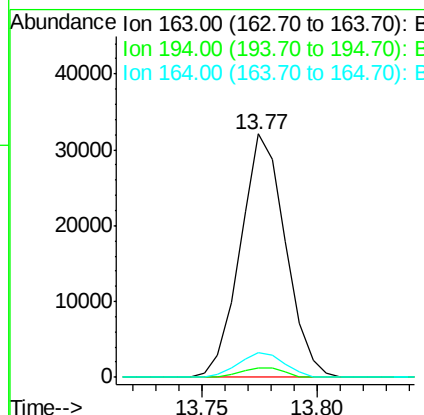
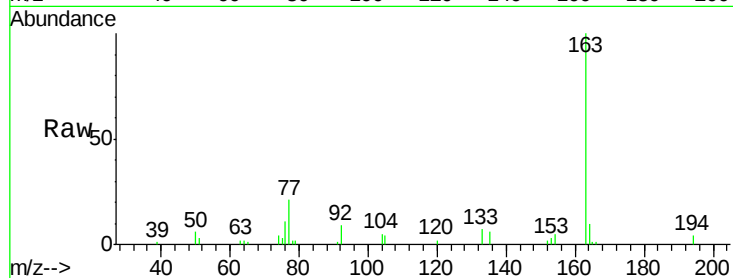
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Dimethylphthalate
Concen: 4.91 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Instrument :
BNA_M
ClientSampleId :
BC977

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.0	7.8	11.8

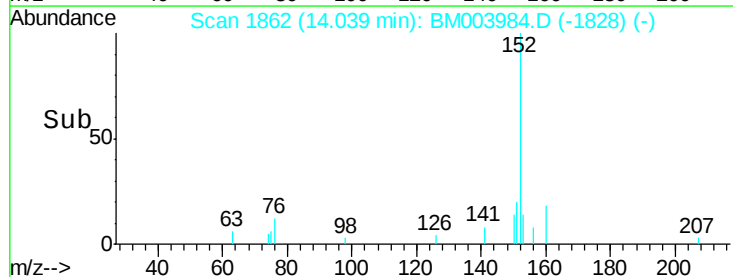
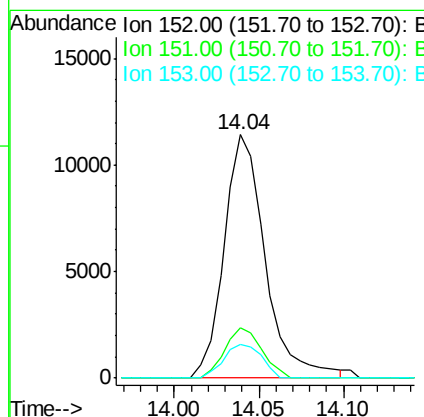
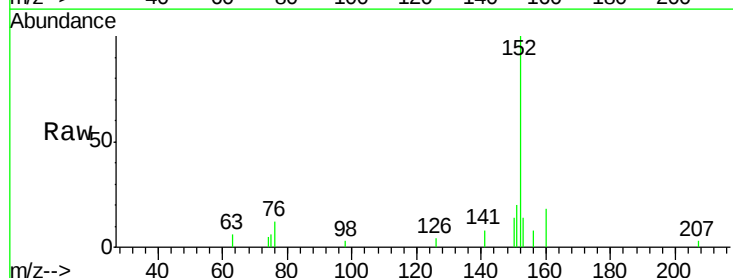
Manual Integrations
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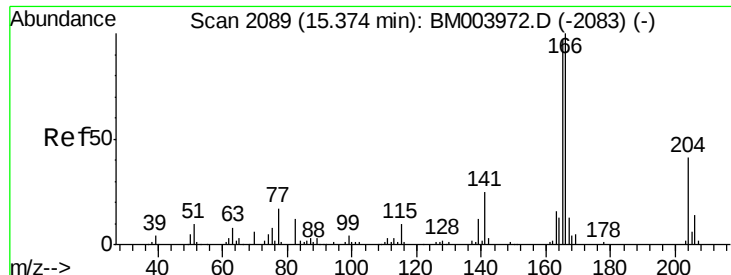
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#48
Acenaphthylene
Concen: 1.66 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	14.0	10.5	15.7





#59

Fluorene

Concen: 1.07 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM003984.D

Acq: 13 Jan 2016 10:14

Instrument :

BNA_M

ClientSampleId :

BC977

Tot Ion:166 Resp: 9147

Ion Ratio Lower Upper

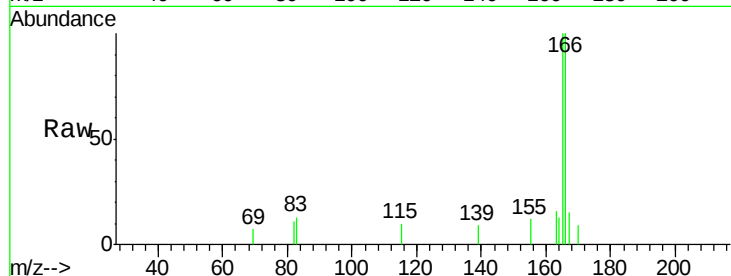
166 100

165 99.6 78.5 117.7

167 15.0 10.7 16.1

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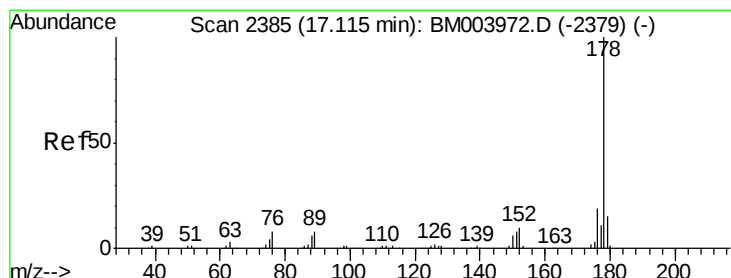
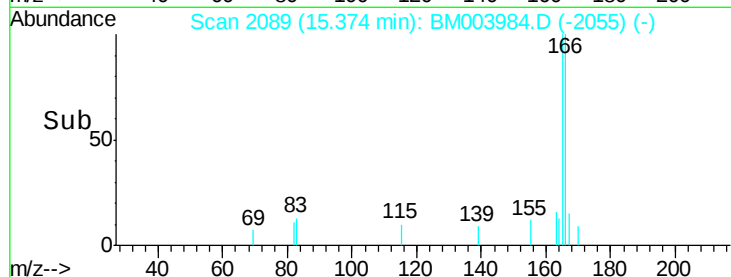
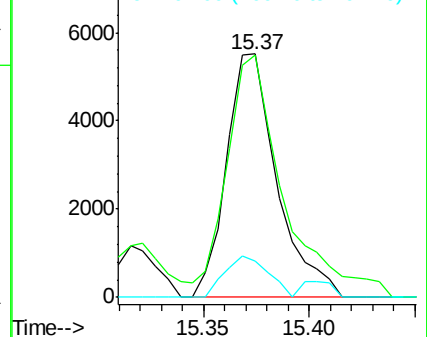
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 14.56 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM003984.D

Acq: 13 Jan 2016 10:14

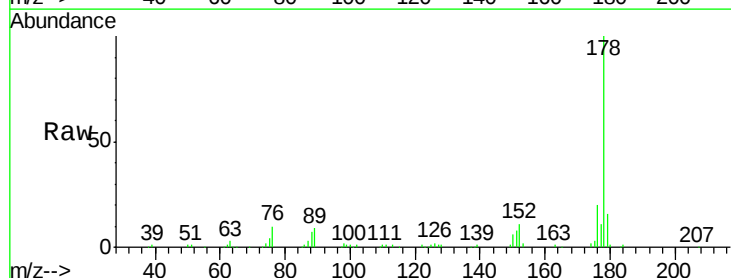
Tgt Ion:178 Resp: 202911

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

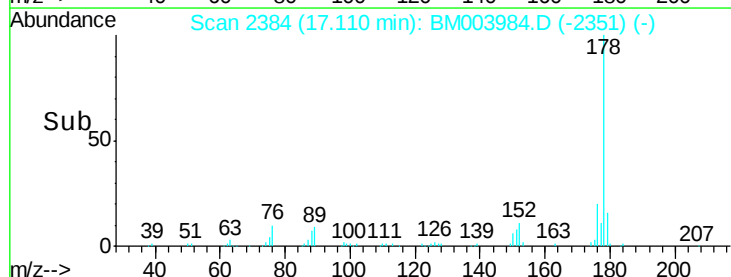
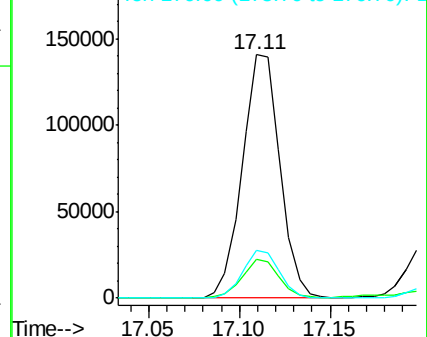
176 19.7 15.6 23.4

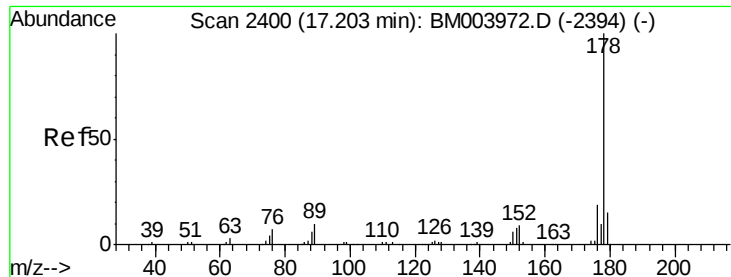


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 3.03 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM003984.D

Acq: 13 Jan 2016 10:14

Instrument :

BNA_M

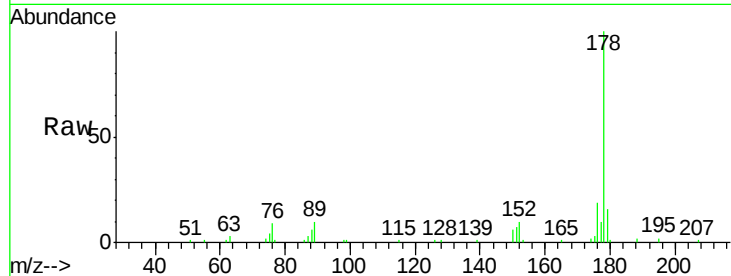
ClientSampleId :

BC977

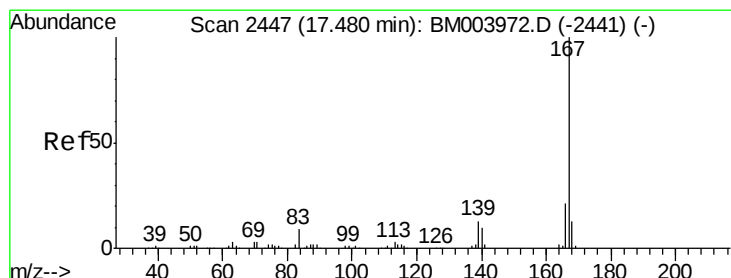
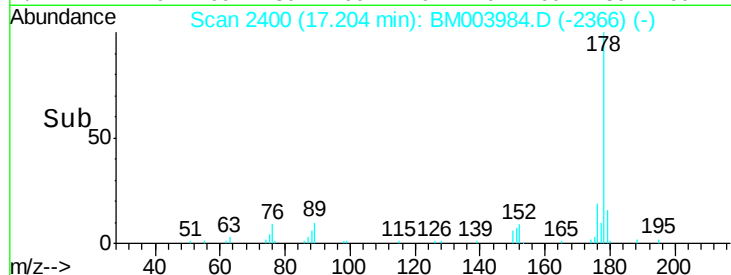
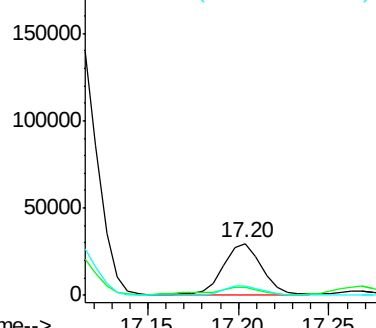
Tot Ion:	178	Resp:	43290
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.1	18.1
176	19.0	14.8	22.2

Manual Integrations
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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: 1.30 ng/ul

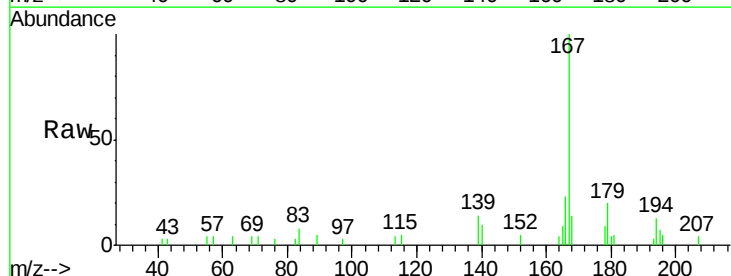
RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

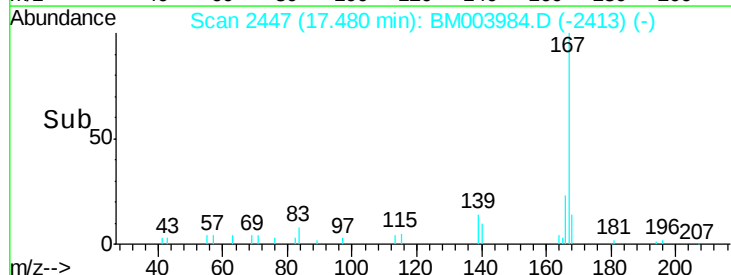
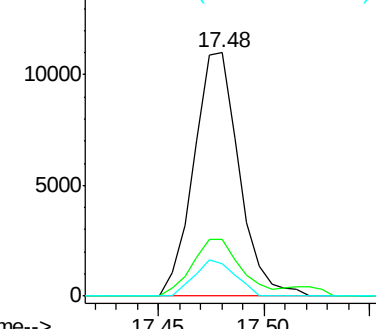
Lab File: BM003984.D

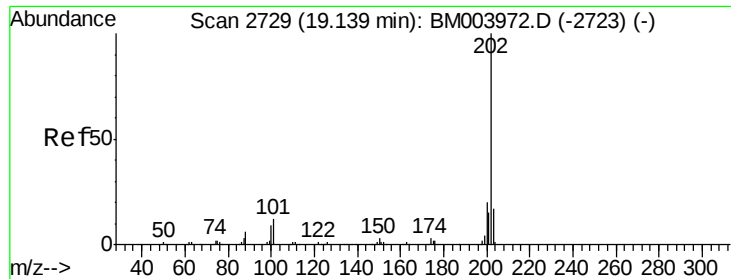
Acq: 13 Jan 2016 10:14

Tgt Ion:	167	Resp:	16296
Ion Ratio	Lower	Upper	
167	100		
166	23.5	17.0	25.6
139	13.5	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: 29.89 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM003984.D

Acq: 13 Jan 2016 10:14

Instrument :

BNA_M

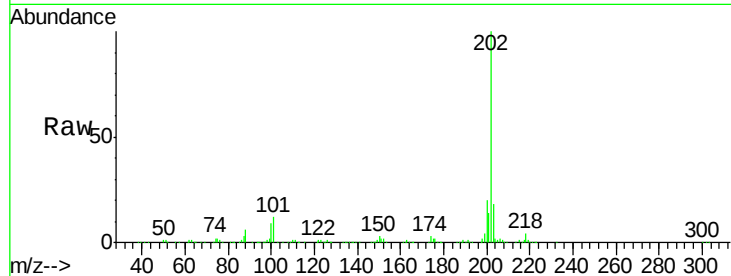
ClientSampleId :

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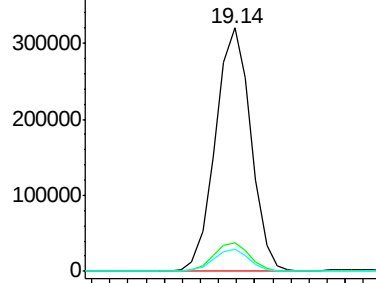
Tot Ion:	202	Resp:	432863
Ion Ratio	Lower	Upper	
202	100		
101	11.9	8.8	13.2
100	9.0	6.6	9.8

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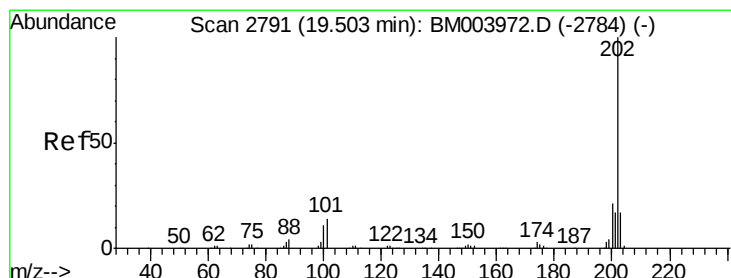
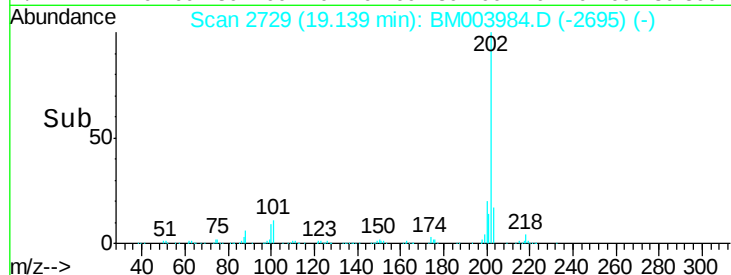
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 34.70 ng/ul

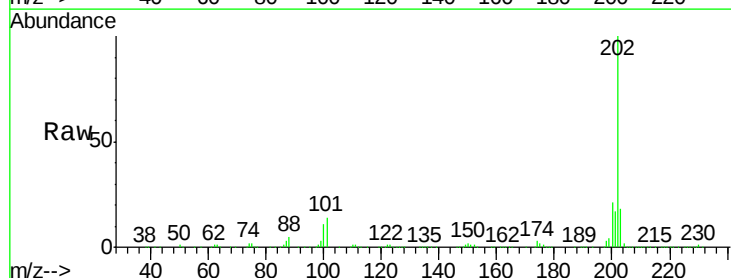
RT: 19.50 min Scan# 2791

Delta R.T. 0.00 min

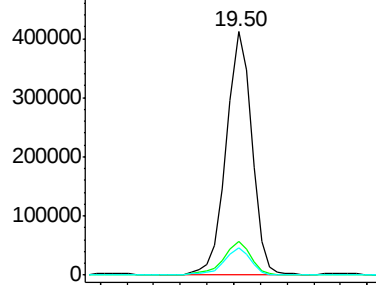
Lab File: BM003984.D

Acq: 13 Jan 2016 10:14

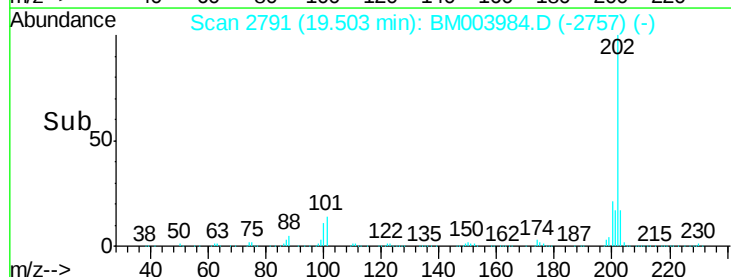
Tgt Ion:	202	Resp:	544208
Ion Ratio	Lower	Upper	
202	100		
101	13.9	10.2	15.2
100	11.3	8.5	12.7

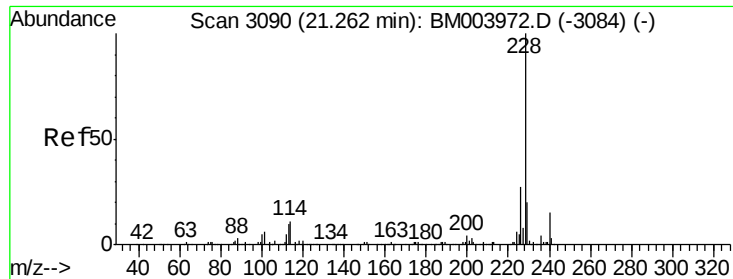


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





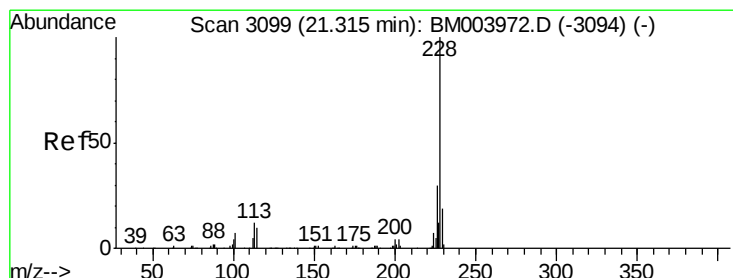
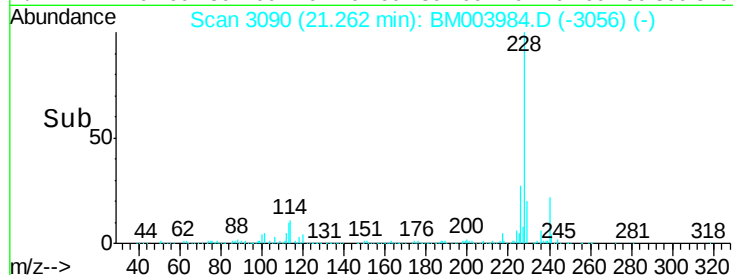
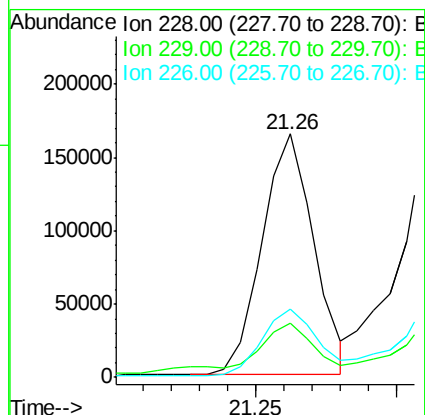
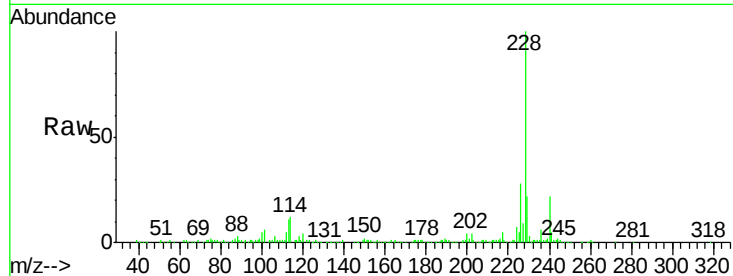
#83
Benzo(a)anthracene
Concen: 15.08 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Instrument :
BNA_M
ClientSampleId :
BC977

Tot Ion:	228	Resp:	207491
Ion Ratio	Lower	Upper	
228	100		
229	22.4	15.7	23.5
226	28.3	21.8	32.6

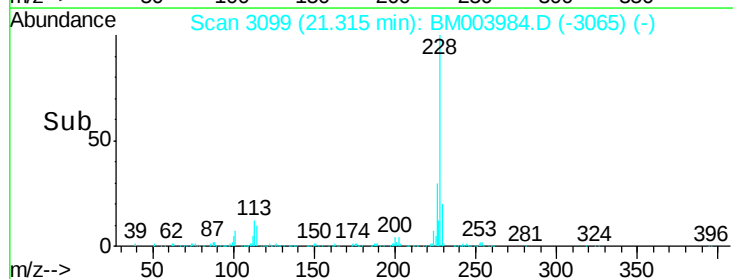
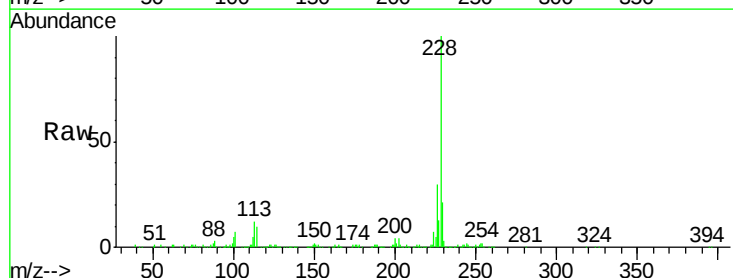
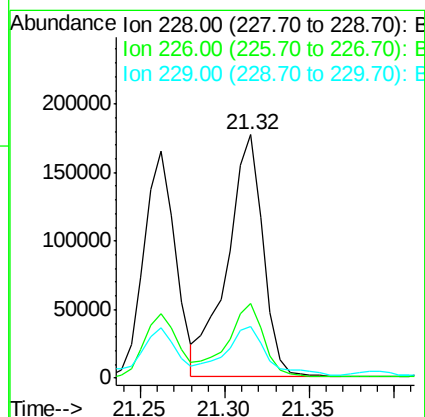
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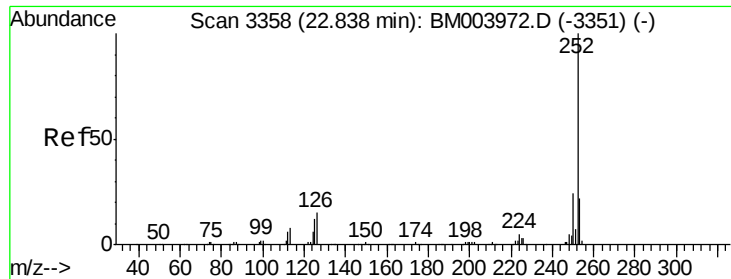
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#85
Chrysene
Concen: 19.82 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Tgt Ion:	228	Resp:	259130
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.0	36.0
229	21.3	15.6	23.4





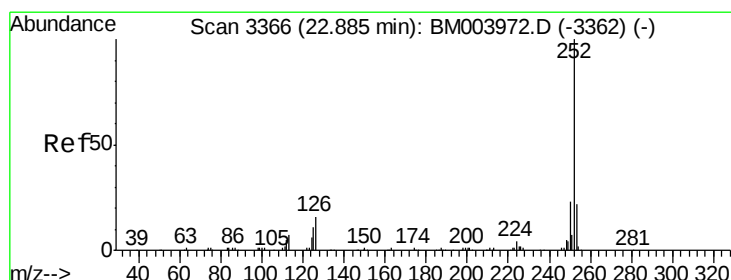
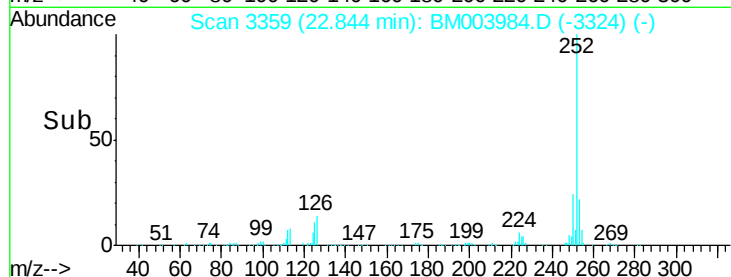
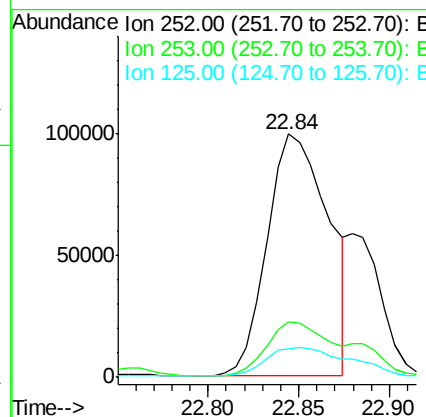
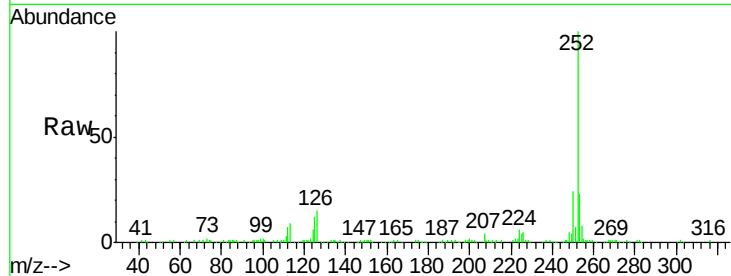
#88
Benzo(b)fluoranthene
Concen: 20.06 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. 0.01 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Instrument :
BNA_M
ClientSampleId :
BC977

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.8	8.5	12.7

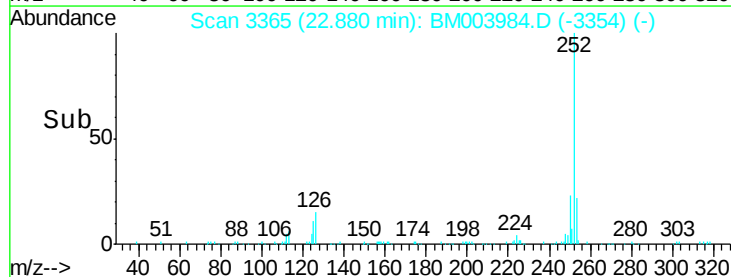
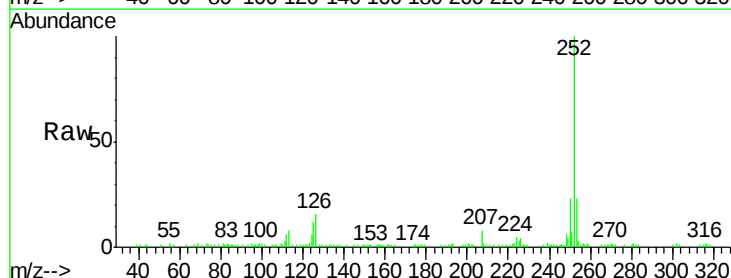
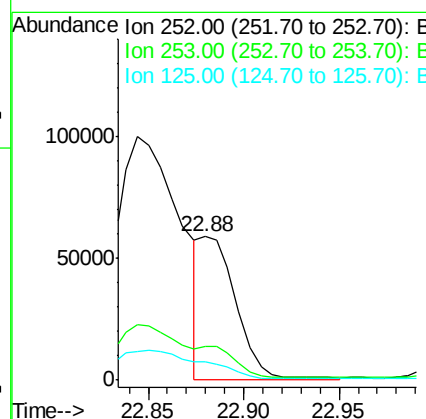
Manual Integrations
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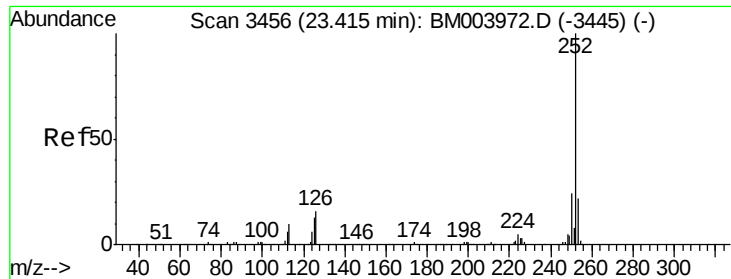
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#89
Benzo(k)fluoranthene
Concen: 6.96 ng/ul m
RT: 22.88 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.3	25.9
125	12.4	8.2	12.2#





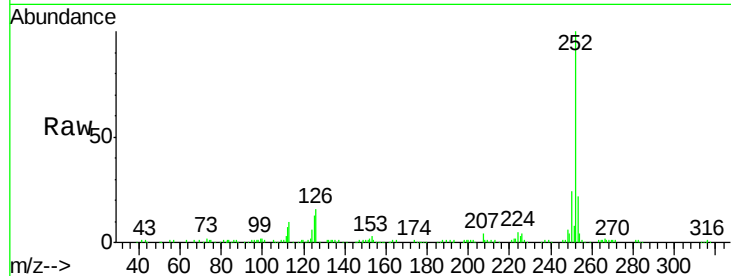
#91
Benzo(a)pyrene
Concen: 16.63 ng/ul
RT: 23.41 min Scan# 3456
Delta R.T. 0.00 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Instrument :
BNA_M
ClientSampleId :
BC977

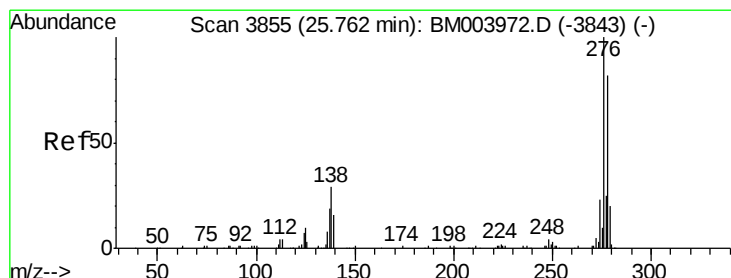
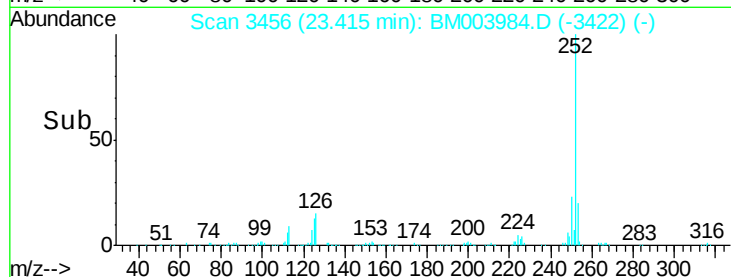
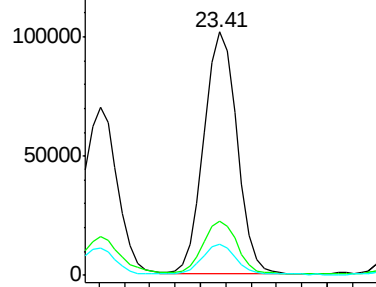
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	13.0	9.0	13.6

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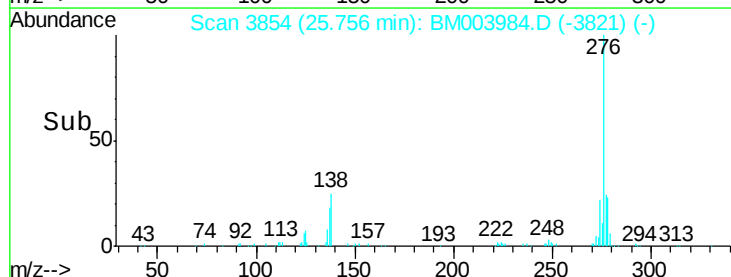
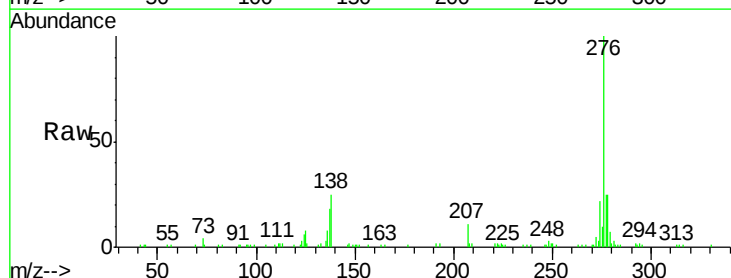
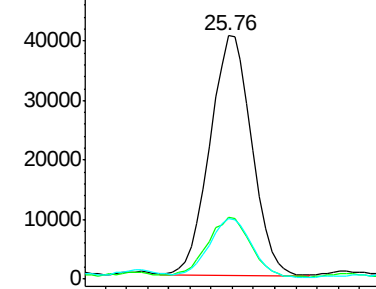
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

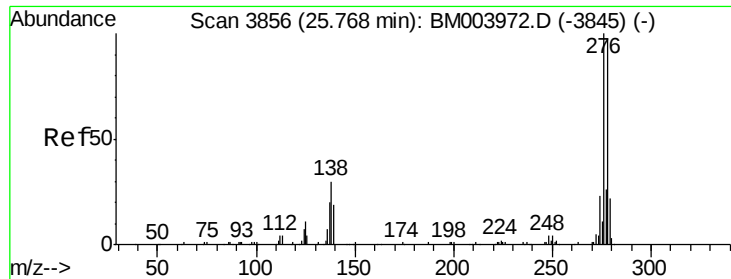


#92
Indeno(1,2,3-cd)pyrene
Concen: 9.11 ng/ul
RT: 25.76 min Scan# 3854
Delta R.T. -0.01 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	22.3	33.5
277	25.1	20.2	30.2

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





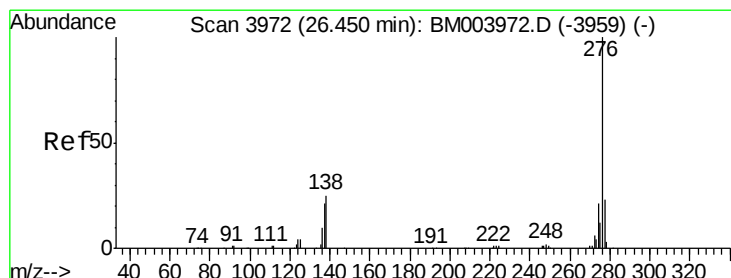
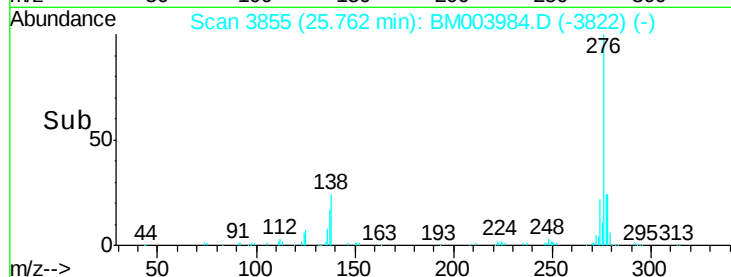
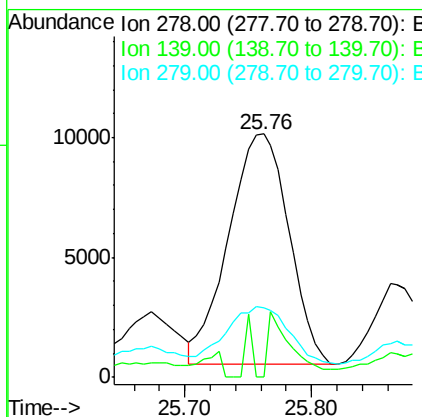
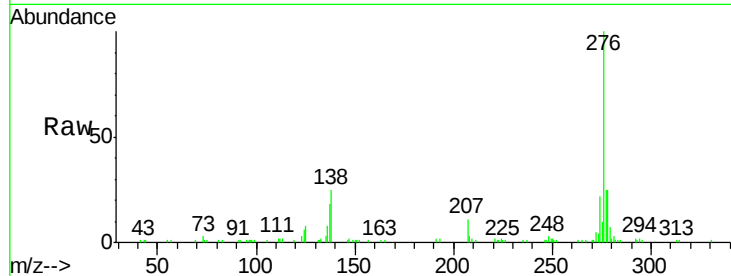
#93
Dibenzo(a,h)anthracene
Concen: 3.09 ng/ul
RT: 25.76 min Scan# 3856
Delta R.T. -0.01 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Instrument :
BNA_M
ClientSampleId :
BC977

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	28.7	19.0	28.4#

Manual Integrations
APPROVED

MMdadoda
1/13/2016 3:28:54 PM



#94
Benzo(g,h,i)perylene
Concen: 11.13 ng/ul
RT: 26.45 min Scan# 3972
Delta R.T. 0.00 min
Lab File: BM003984.D
Acq: 13 Jan 2016 10:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.9	28.3
277	24.5	19.2	28.8

