

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM004013.D
 Acq On : 14 Jan 2016 14:50
 Operator : SJ/UM
 Sample : H1098-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC962

Manual Integrations
 APPROVED

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Quant Time: Jan 14 17:10:58 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	41128	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	193352	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	111492	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	243310	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	207948	20.00	ng/ul	0.00
86) Perylene-d12	23.53	264	192718	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3274	3.56	ng/uL	0.00
5) Phenol-d5	6.84	99	74083	21.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	43875	22.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	64297	22.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	53783	19.44	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	32790	22.51	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	35449	22.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	62647	22.08	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	51528	13.76	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	204487	23.36	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	259736	24.36	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	22488	14.30	ng/ul	0.00
58) Fluorene-d10	15.32	176	183997	24.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	16397	11.95	ng/ul	0.00
71) Anthracene-d10	17.17	188	278411	24.74	ng/ul	0.00
79) Pyrene-d10	19.48	212	283620	26.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	237199	24.64	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	16564	1.64	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	7671	1.08	ng/ul	99
45) Dimethylphthalate	13.78	163	110656	12.40	ng/ul	100
48) Acenaphthylene	14.04	152	46670	3.99	ng/ul	97
50) Acenaphthene	14.39	153	13897	1.80	ng/ul	99
59) Fluorene	15.37	166	19633	2.29	ng/ul#	97
70) Phenanthrene	17.12	178	455293	33.28	ng/ul	99
72) Anthracene	17.20	178	94611	6.74	ng/ul	99
75) Carbazole	17.48	167	16697	1.35	ng/ul#	87
77) Fluoranthene	19.14	202	814210	57.27	ng/ul	97
80) Pyrene	19.52	202	1126588	79.81	ng/ul	98
83) Benzo(a)anthracene	21.27	228	407422	32.90	ng/ul	95
85) Chrysene	21.32	228	501376	42.61	ng/ul	97
88) Benzo(b)fluoranthene	22.86	252	429915	36.69	ng/ul	97
89) Benzo(k)fluoranthene	22.90	252	153298m	13.75	ng/ul	
91) Benzo(a)pyrene	23.43	252	388201	34.94	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.78	276	237747	19.34	ng/ul	96
93) Dibenzo(a,h)anthracene	25.78	278	66853	6.47	ng/ul#	84
94) Benzo(g,h,i)perylene	26.48	276	246391	23.87	ng/ul	99

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

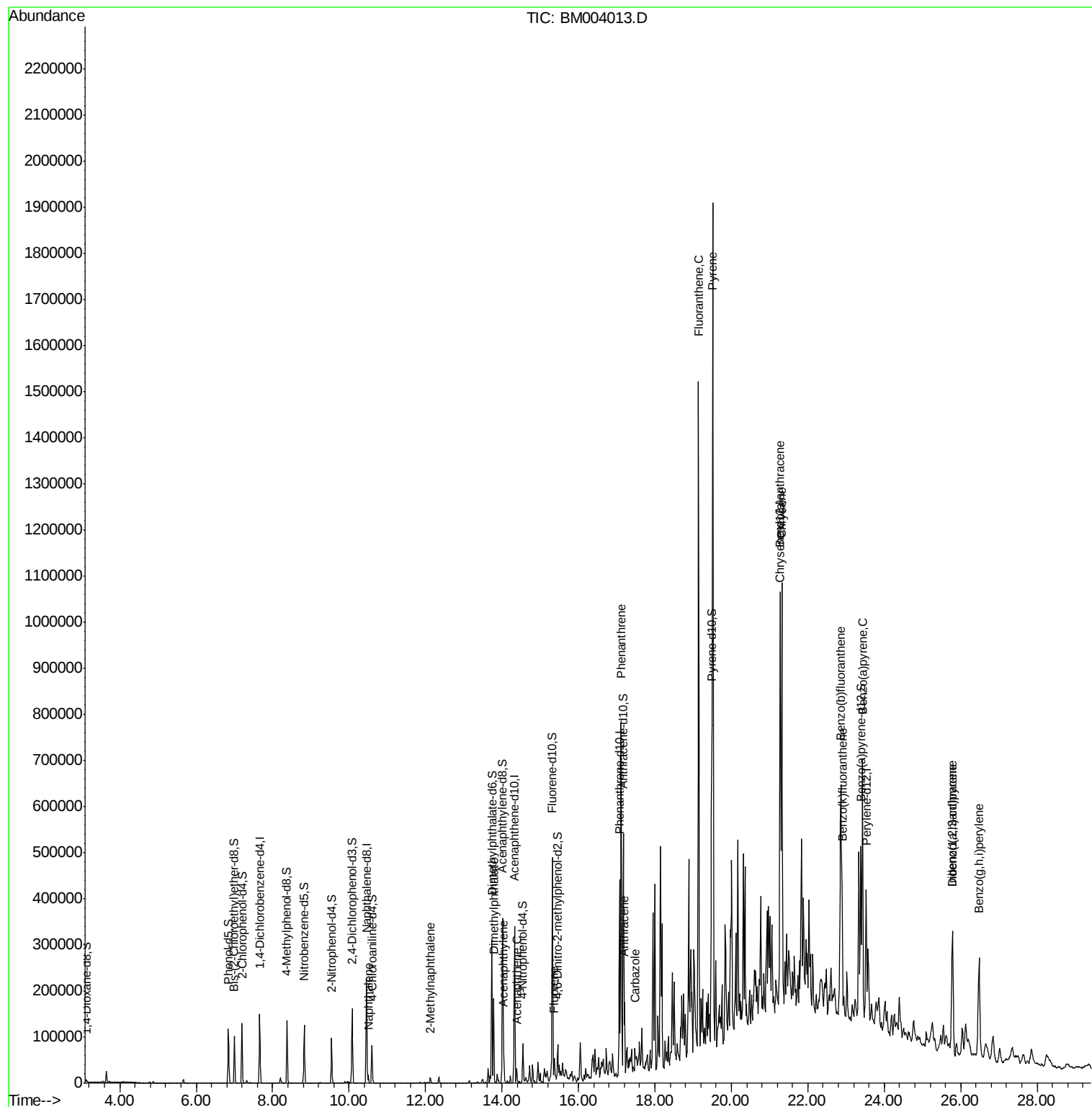
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

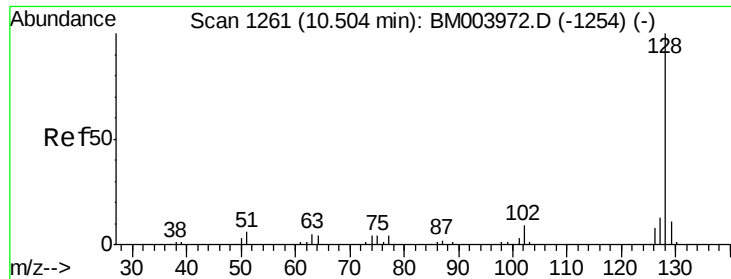
Instrument :
BNA_M
ClientSampleId :
BC962

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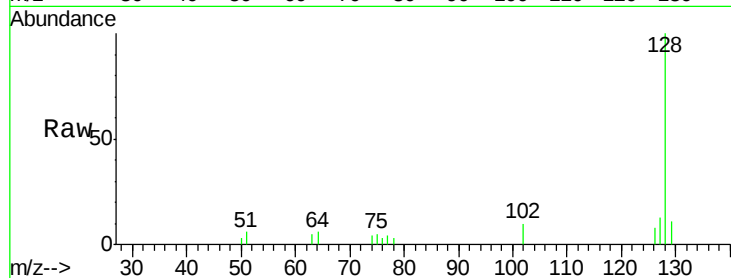
Quant Time: Jan 14 17:10:58 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 13 06:45:02 2016
Response via : Initial Calibration





#28
Naphthalene
Concen: 1.64 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BM004013.D
Acq: 14 Jan 2016 14:50

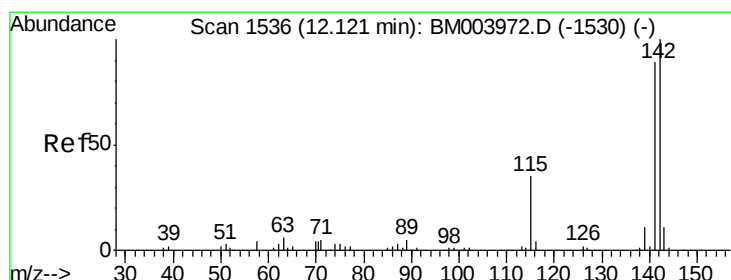
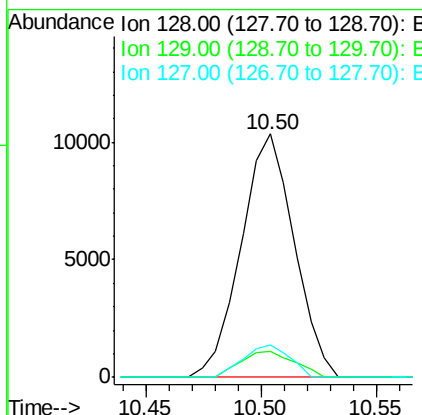
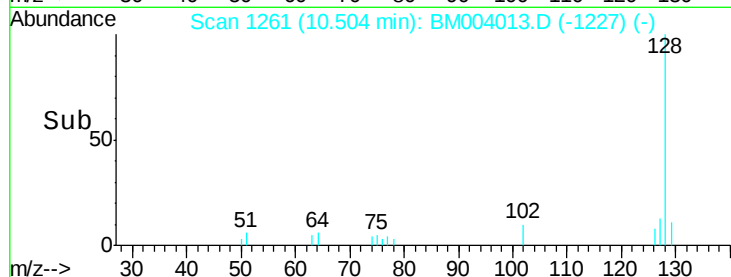
Instrument :
BNA_M
ClientSampleId :
BC962



Tgt Ion:128 Resp: 16564
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.4 10.5 15.7

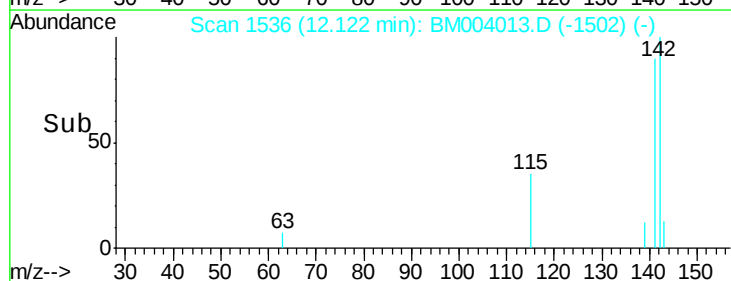
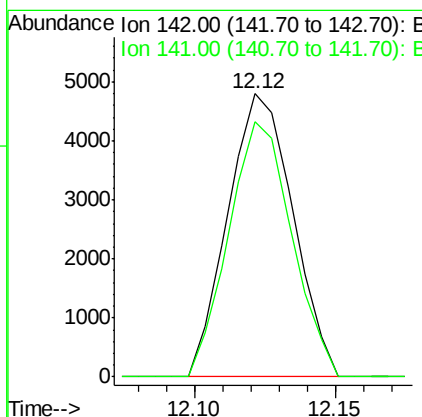
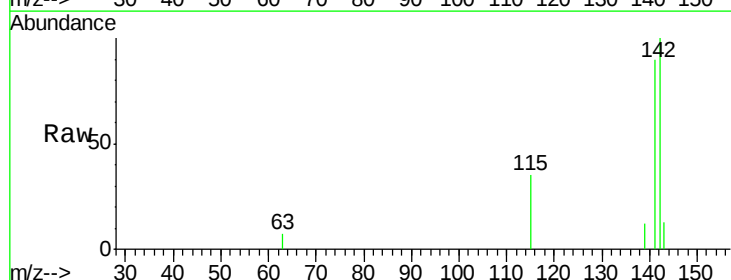
Manual Integrations
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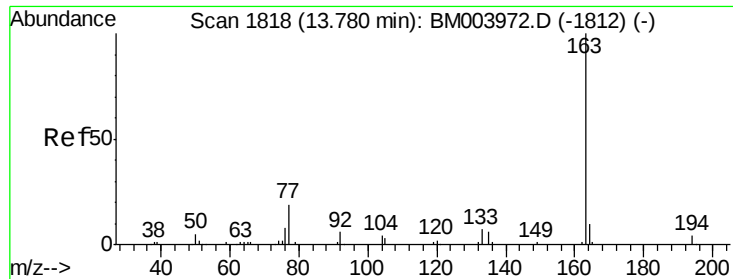
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#34
2-Methylnaphthalene
Concen: 1.08 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM004013.D
Acq: 14 Jan 2016 14:50

Tgt Ion:142 Resp: 7671
Ion Ratio Lower Upper
142 100
141 90.2 71.6 107.4





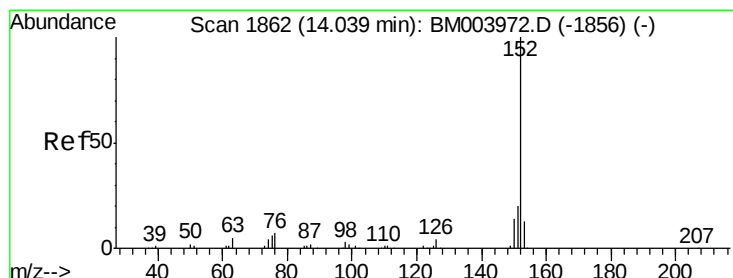
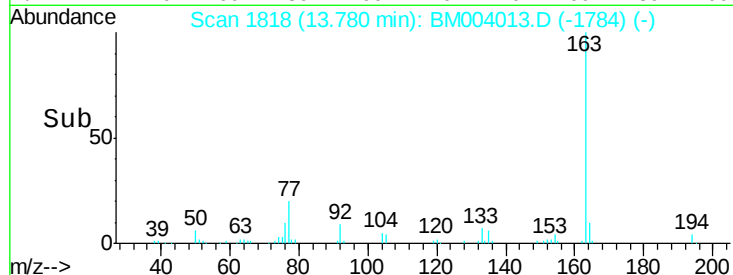
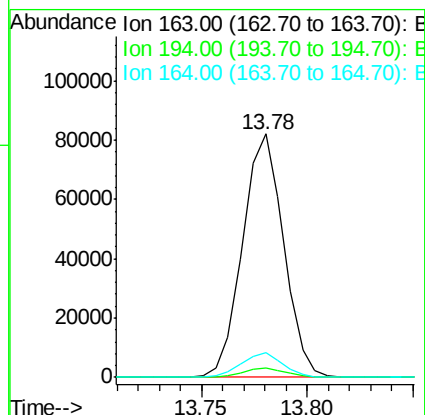
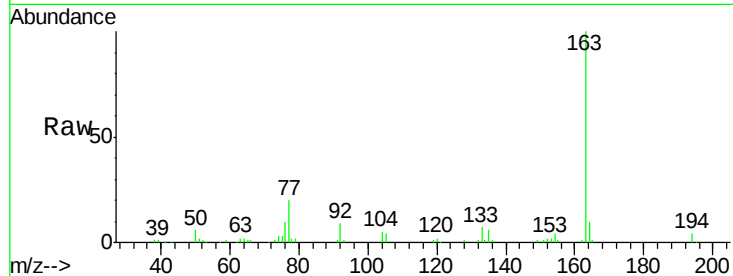
#45
Dimethylphthalate
Concen: 12.40 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM004013.D
Acq: 14 Jan 2016 14:50

Instrument :
BNA_M
ClientSampleId :
BC962

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	110656		
194	3.9		3.2	4.8
164	10.0		7.8	11.8

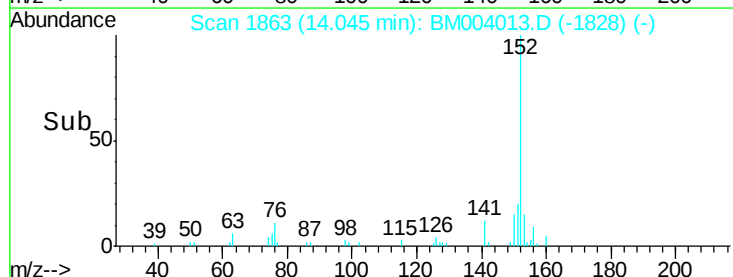
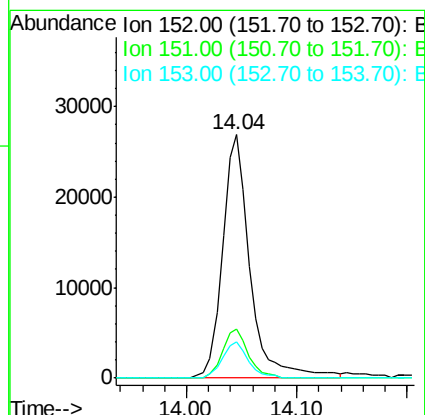
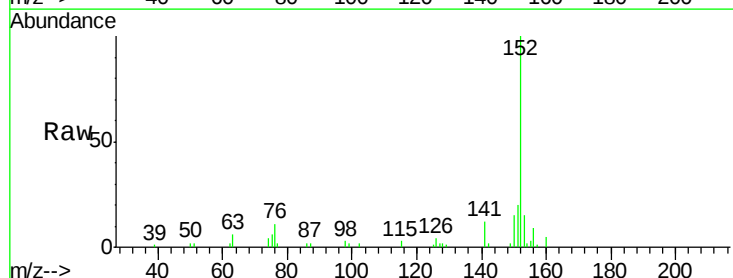
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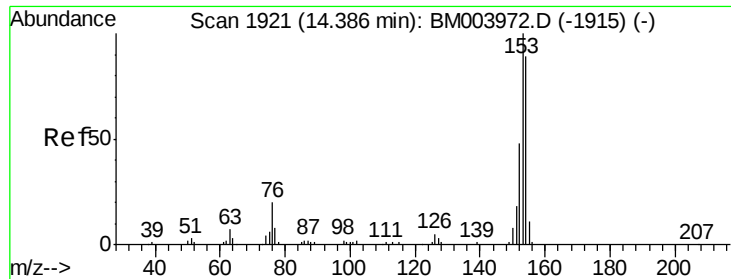
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#48
Acenaphthylene
Concen: 3.99 ng/ul
RT: 14.04 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BM004013.D
Acq: 14 Jan 2016 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	46670		
151	20.4		15.7	23.5
153	14.7		10.5	15.7





#50

Acenaphthene

Concen: 1.80 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004013.D

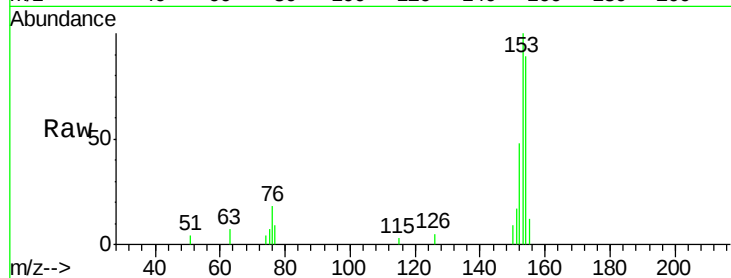
Acq: 14 Jan 2016 14:50

Instrument :

BNA_M

ClientSampleId :

BC962



Tgt Ion:153 Resp: 13897

Ion Ratio Lower Upper

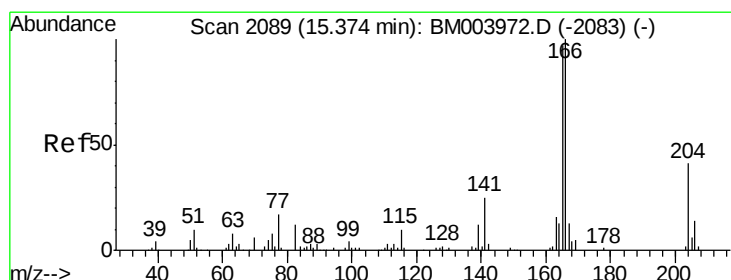
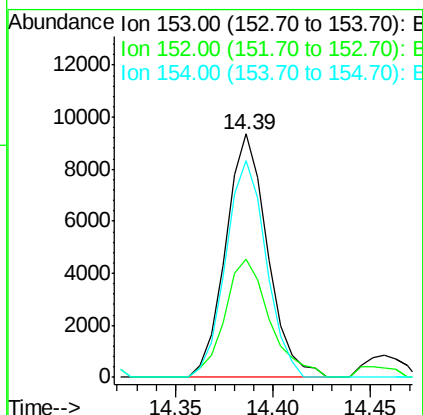
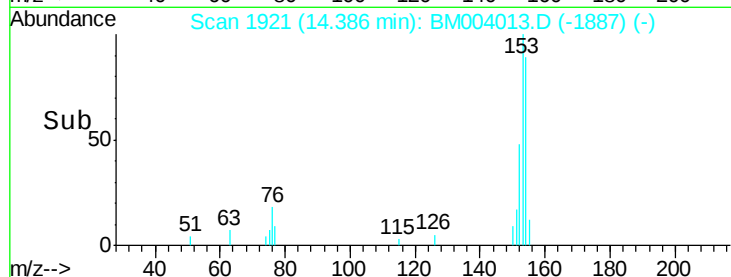
153 100

152 48.4 38.3 57.5

154 89.2 71.8 107.8

Manual Integrations
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#59

Fluorene

Concen: 2.29 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM004013.D

Acq: 14 Jan 2016 14:50

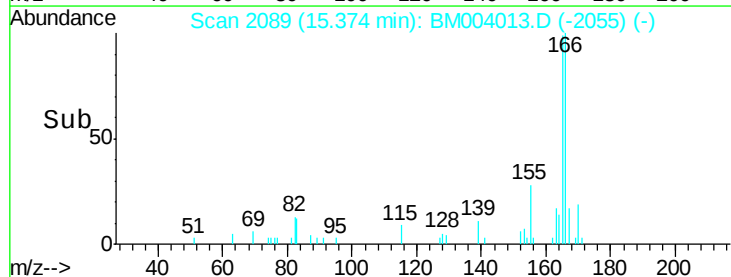
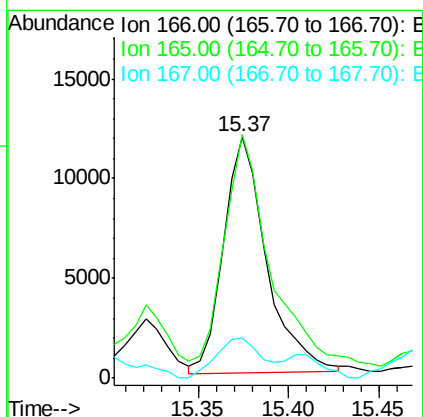
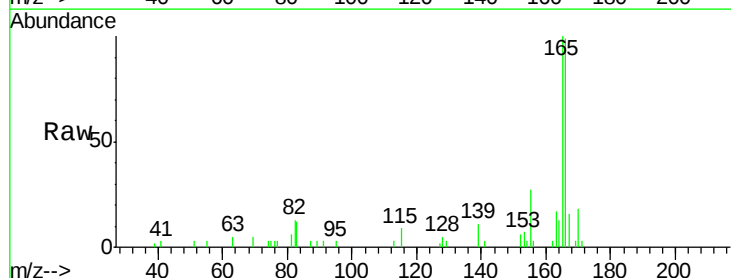
Tgt Ion:166 Resp: 19633

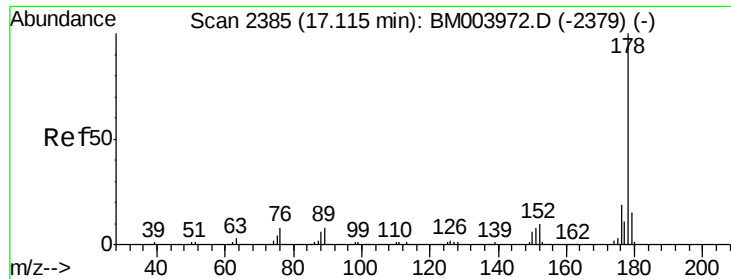
Ion Ratio Lower Upper

166 100

165 100.8 78.5 117.7

167 16.4 10.7 16.1#





#70

Phenanthrene

Concen: 33.28 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM004013.D

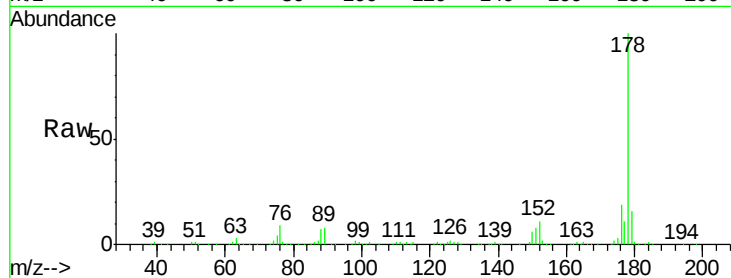
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Instrument :

BNA_M

ClientSampleId :

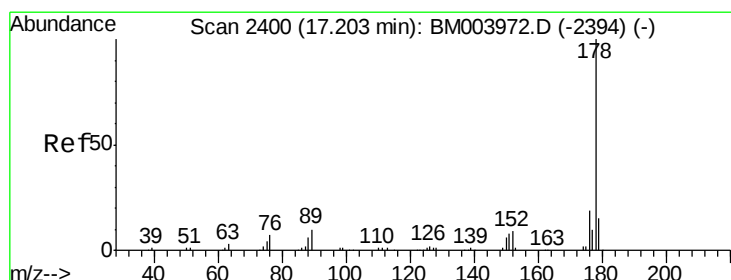
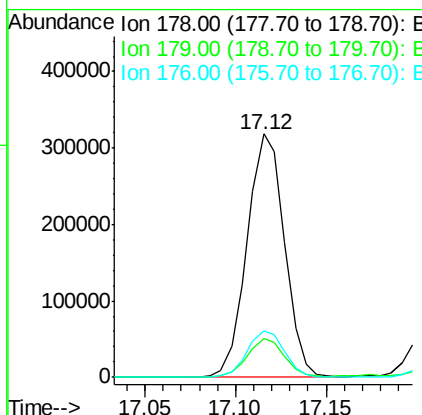
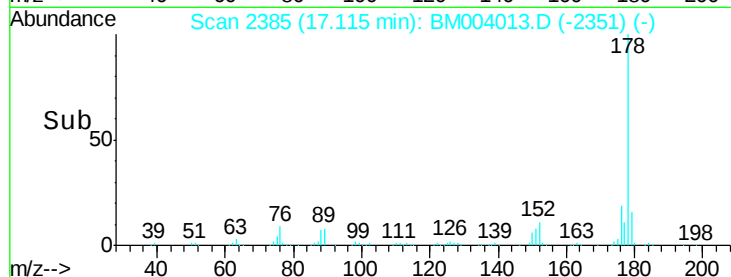
BC962



Tgt Ion:	178	Resp:	455293
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.2	18.4
176	19.3	15.6	23.4

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#72

Anthracene

Concen: 6.74 ng/ul

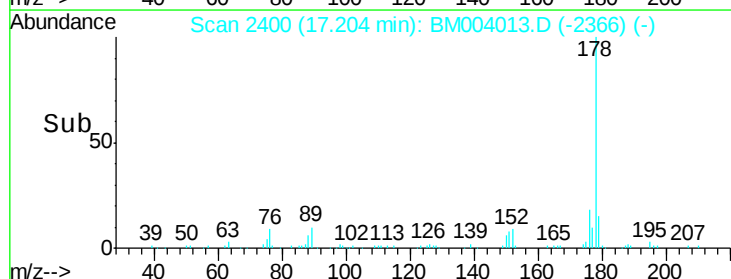
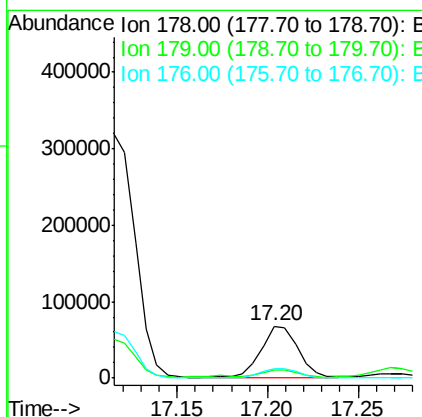
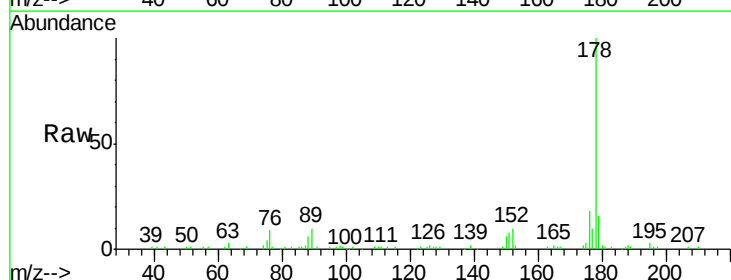
RT: 17.20 min Scan# 2400

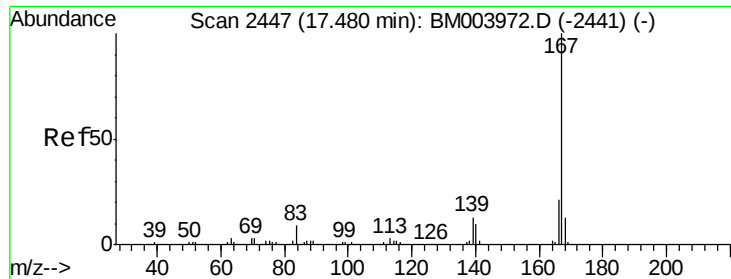
Delta R.T. 0.00 min

Lab File: BM004013.D

Acq: 14 Jan 2016 14:50

Tgt Ion:	178	Resp:	94611
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.1	18.1
176	18.3	14.8	22.2





#75

Carbazole

Concen: 1.35 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BM004013.D

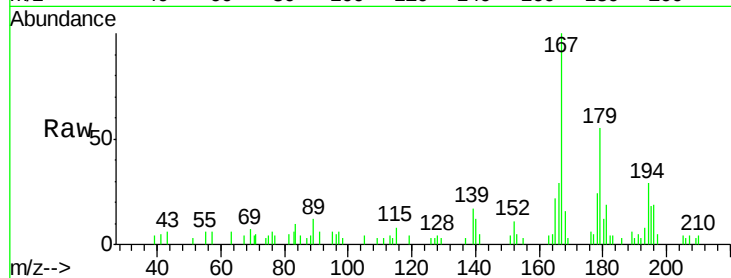
Acq: 14 Jan 2016 14:50

Instrument :

BNA_M

ClientSampleId :

BC962



Tgt Ion:167 Resp: 16697

Ion Ratio Lower Upper

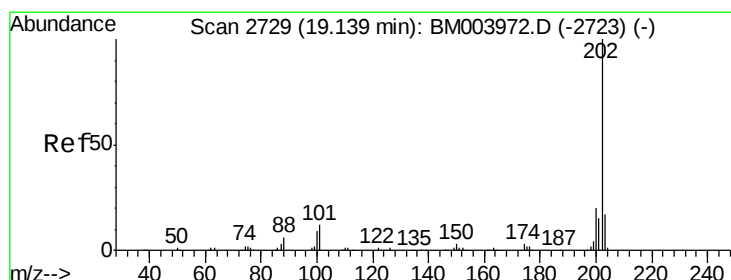
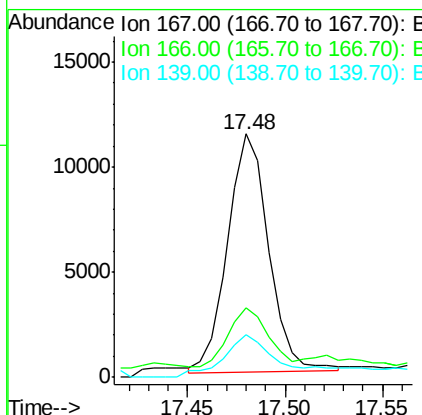
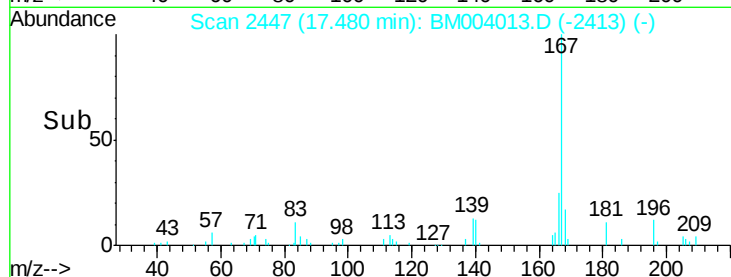
167 100

166 28.8 17.0 25.6#

139 17.3 11.0 16.4#

Manual Integrations
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#77

Fluoranthene

Concen: 57.27 ng/ul

RT: 19.14 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM004013.D

Acq: 14 Jan 2016 14:50

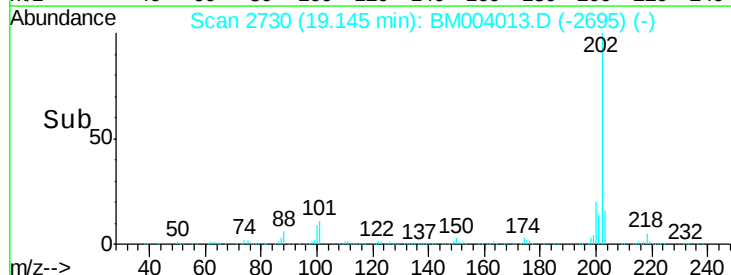
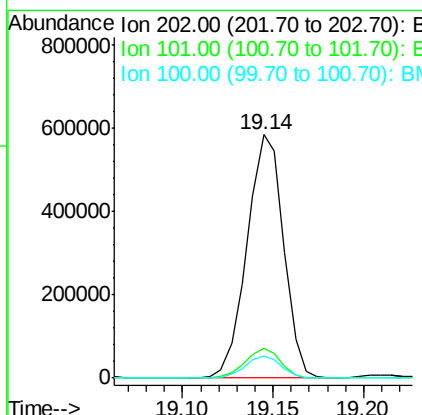
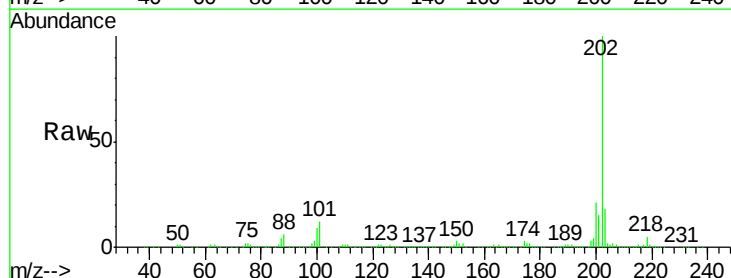
Tgt Ion:202 Resp: 814210

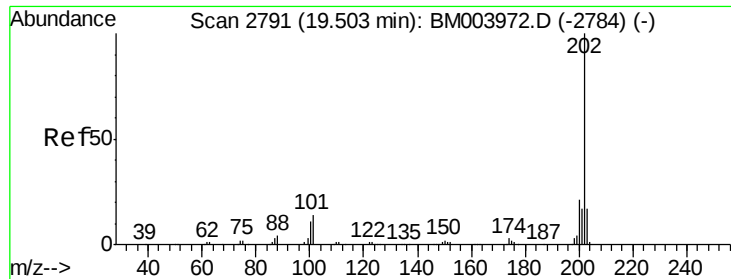
Ion Ratio Lower Upper

202 100

101 12.3 8.8 13.2

100 9.2 6.6 9.8





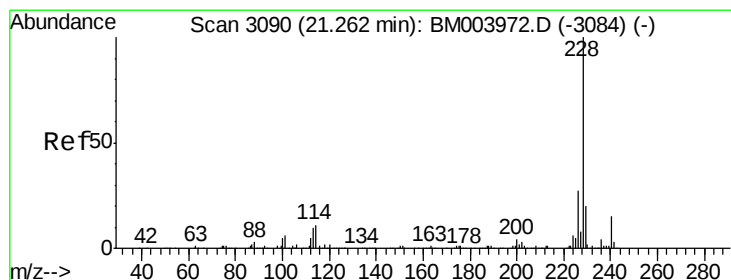
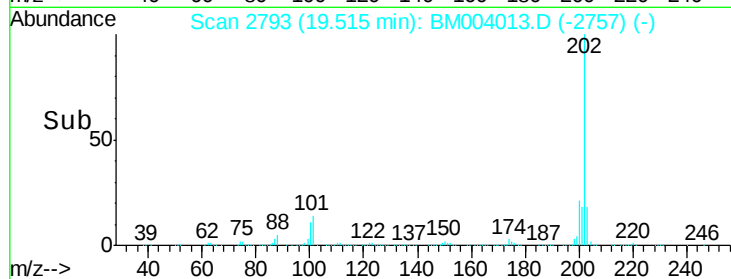
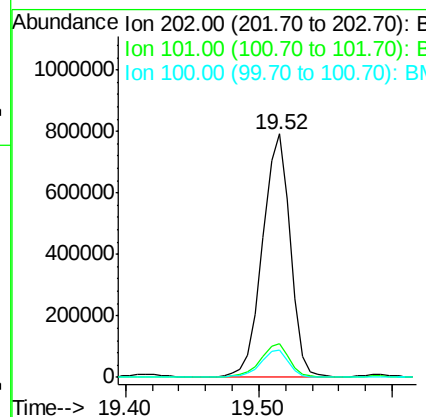
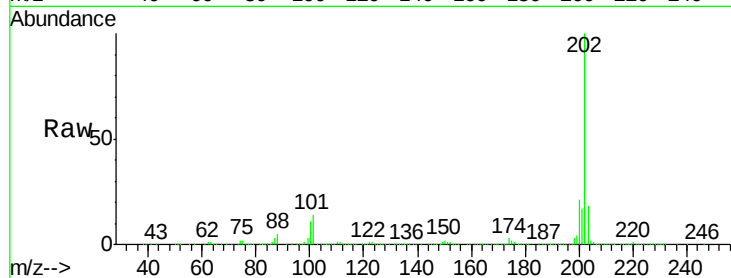
#80
 Pyrene
 Concen: 79.81 ng/ul
 RT: 19.52 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BM004013.D
 Acq: 14 Jan 2016 14:50

Instrument :
 BNA_M
 ClientSampled :
 BC962

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.2	15.2
100	11.0	8.5	12.7

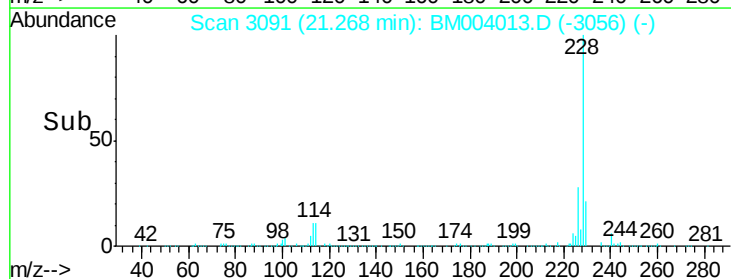
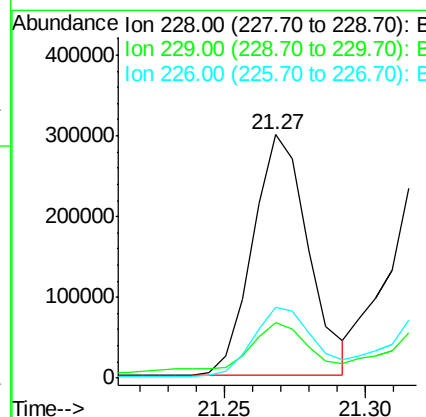
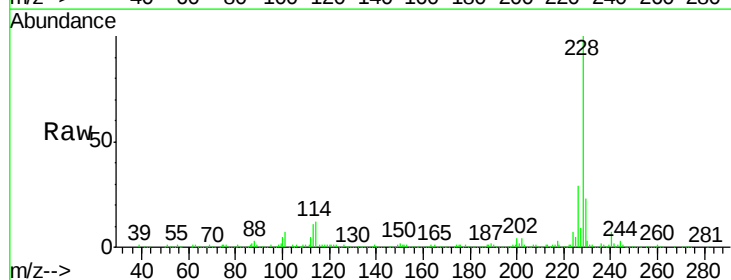
Manual Integrations
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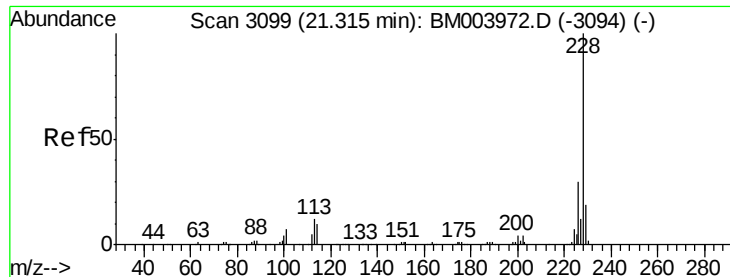
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 1/14/2016 5:56:57 PM



#83
 Benzo(a)anthracene
 Concen: 32.90 ng/ul
 RT: 21.27 min Scan# 3091
 Delta R.T. 0.01 min
 Lab File: BM004013.D
 Acq: 14 Jan 2016 14:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.8	15.7	23.5
226	29.0	21.8	32.6





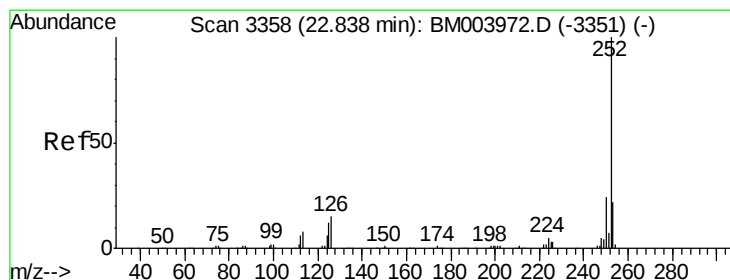
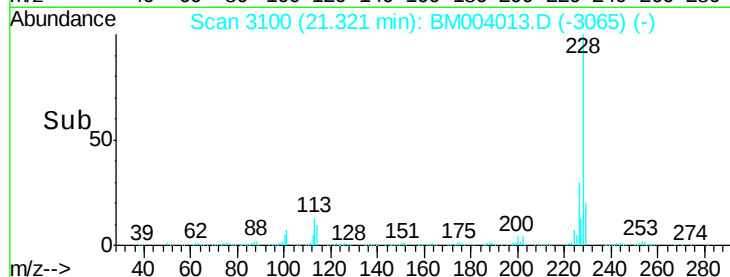
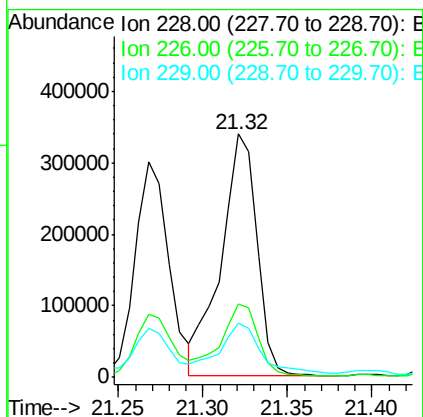
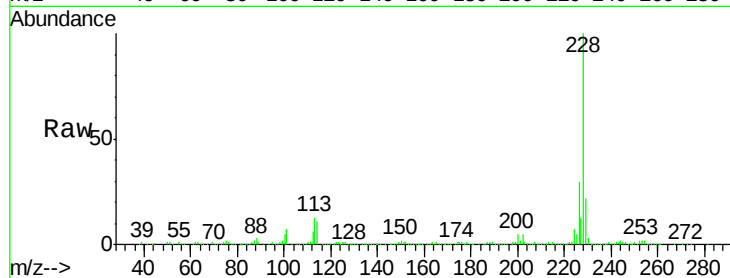
#85
Chrysene
Concen: 42.61 ng/u1
RT: 21.32 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BM004013.D
Acq: 14 Jan 2016 14:50

Instrument :
BNA_M
ClientSampleId :
BC962

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	501376		
226	30.4		24.0	36.0
229	22.1		15.6	23.4

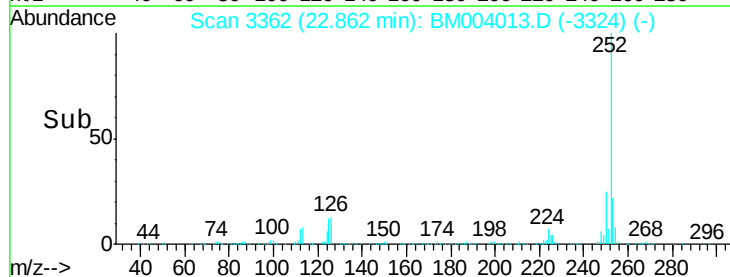
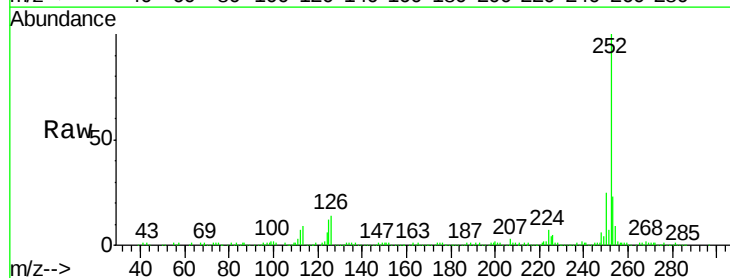
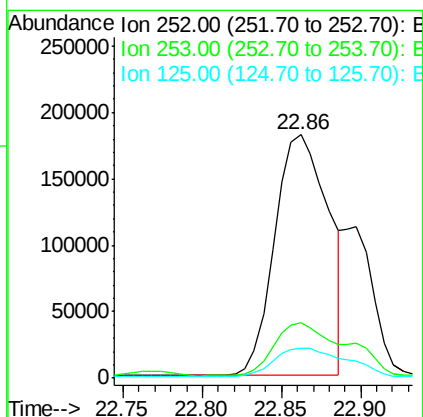
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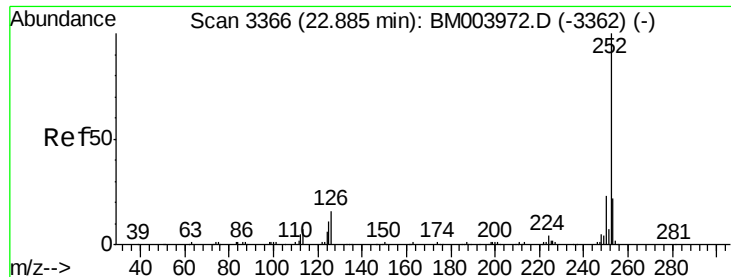
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#88
Benzo(b)fluoranthene
Concen: 36.69 ng/u1
RT: 22.86 min Scan# 3362
Delta R.T. 0.02 min
Lab File: BM004013.D
Acq: 14 Jan 2016 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	429915		
253	22.8		17.5	26.3
125	12.3		8.5	12.7





#89

Benzo(k)fluoranthene

Concen: 13.75 ng/ul m

RT: 22.90 min Scan# 3368

Delta R.T. 0.01 min

Lab File: BM004013.D

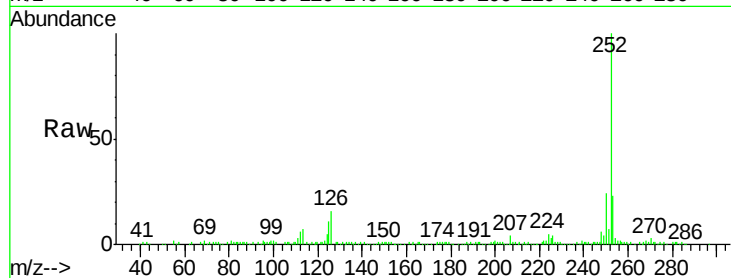
Acq: 14 Jan 2016 14:50

Instrument :

BNA_M

ClientSampleId :

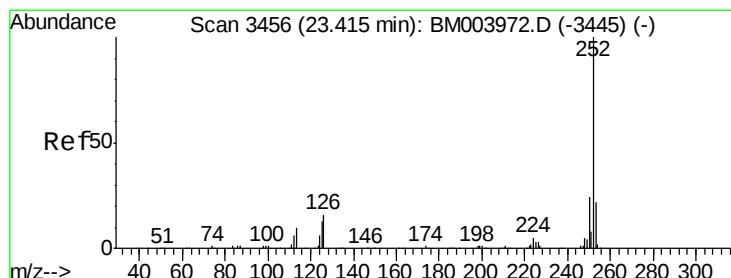
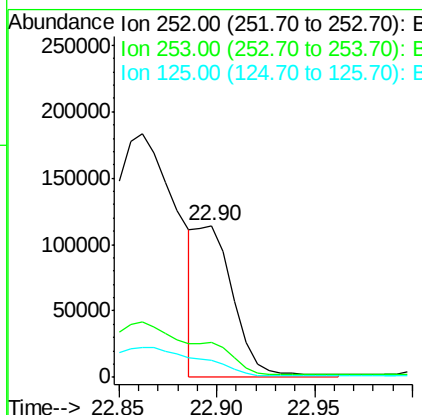
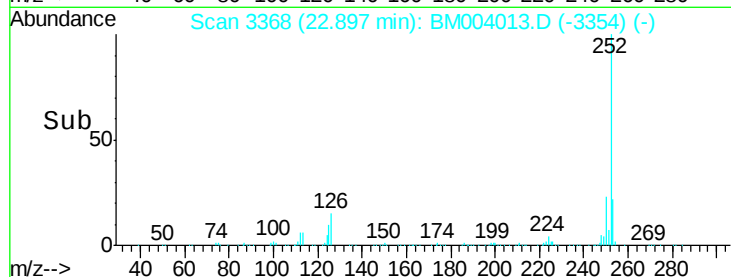
BC962



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	11.2	8.2	12.2

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1/14/2016 5:56:57 PM



#91

Benzo(a)pyrene

Concen: 34.94 ng/ul

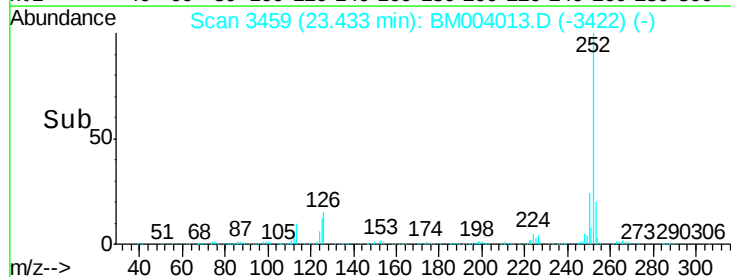
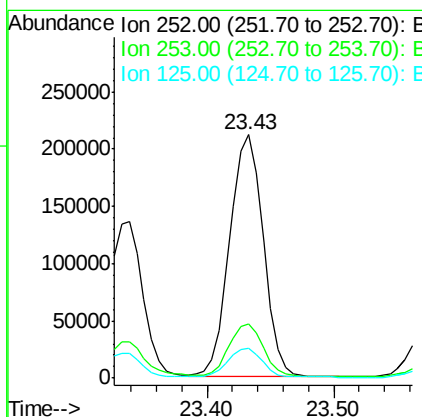
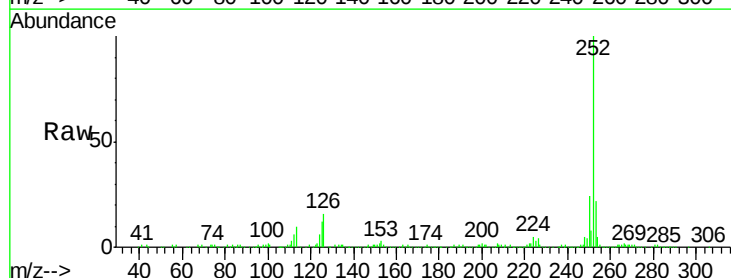
RT: 23.43 min Scan# 3459

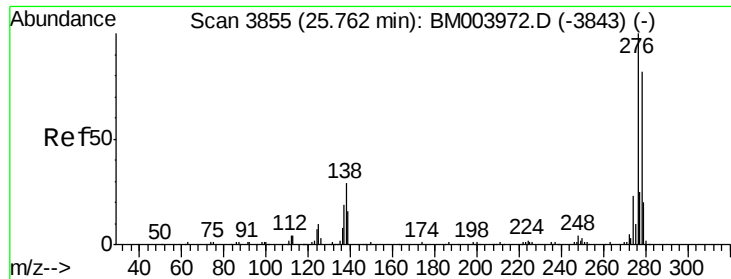
Delta R.T. 0.02 min

Lab File: BM004013.D

Acq: 14 Jan 2016 14:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	12.3	9.0	13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 19.34 ng/ul

RT: 25.78 min Scan# 3858

Delta R.T. 0.02 min

Lab File: BM004013.D

Acq: 14 Jan 2016 14:50

Instrument :

BNA_M

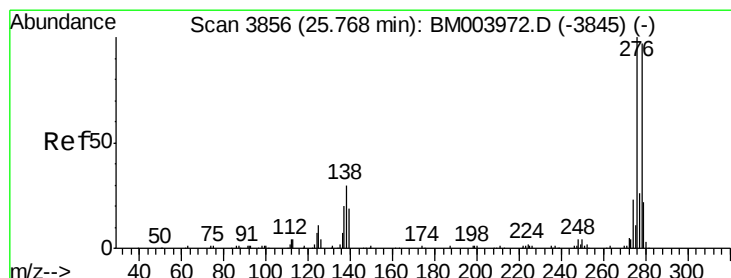
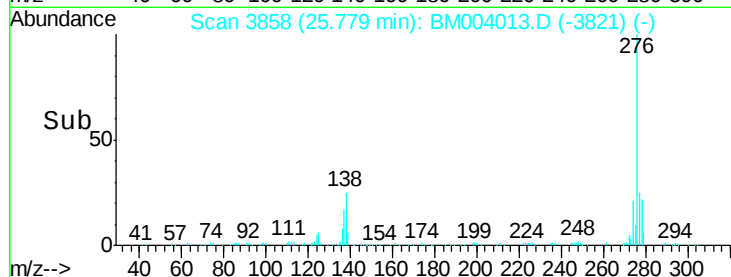
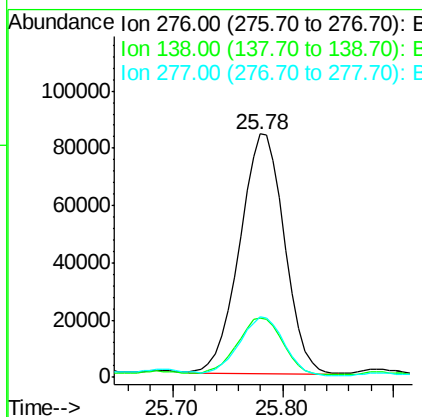
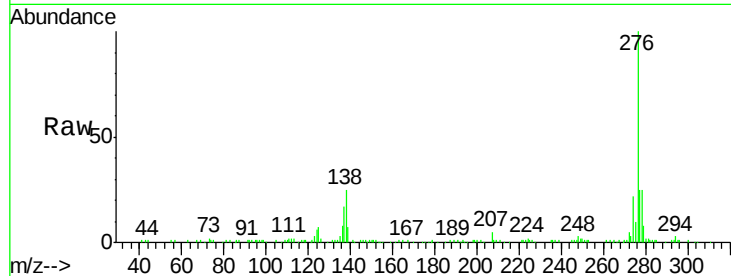
ClientSampleId :

BC962

Tgt Ion:	276	Resp:	237747
Ion Ratio	Lower	Upper	
276	100		
138	24.6	22.3	33.5
277	24.9	20.2	30.2

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1/14/2016 5:56:57 PM



#93

Dibenzo(a,h)anthracene

Concen: 6.47 ng/ul

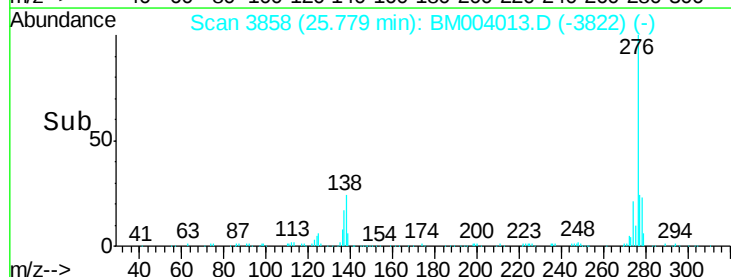
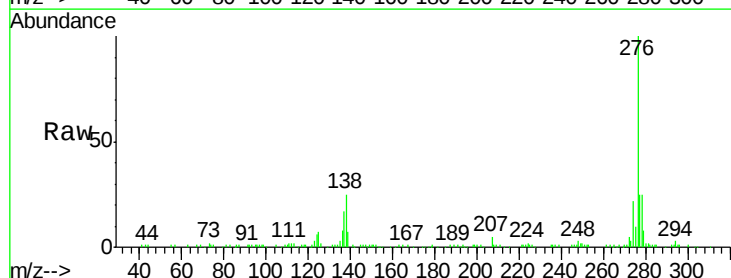
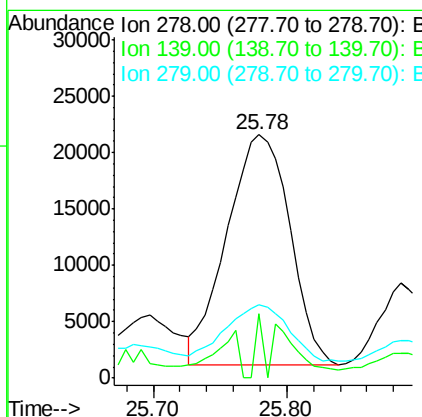
RT: 25.78 min Scan# 3858

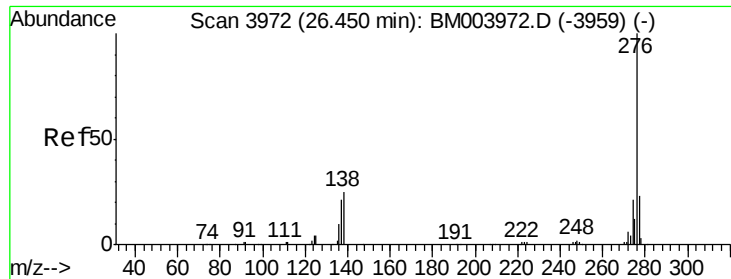
Delta R.T. 0.01 min

Lab File: BM004013.D

Acq: 14 Jan 2016 14:50

Tgt Ion:	278	Resp:	66853
Ion Ratio	Lower	Upper	
278	100		
139	26.2	13.9	20.9#
279	30.3	19.0	28.4#





#94

Benzo(g,h,i)perylene

Concen: 23.87 ng/ul

RT: 26.48 min Scan# 3977

Delta R.T. 0.03 min

Lab File: BM004013.D

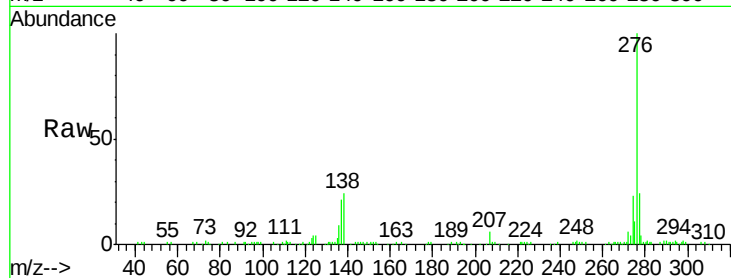
Acq: 14 Jan 2016 14:50

Instrument :

BNA_M

ClientSampleId :

BC962



Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.9	28.3
277	24.0	19.2	28.8

Manual Integrations
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