

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
 Data File : BM003983.D
 Acq On : 13 Jan 2016 09:38
 Operator : SJ/UM
 Sample : H1095-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC975

Manual Integrations
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 1/13/2016 3:28:52 PM

Quant Time: Jan 13 10:24:05 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	40384	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	201463	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	118439	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	240020	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	189790	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	186986	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2911	3.22	ng/uL	0.00
5) Phenol-d5	6.84	99	61999	18.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	38774	20.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	53497	19.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	44117	16.24	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	26334	17.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	28571	17.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	51792	17.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	46792	11.99	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	172679	18.57	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	217056	19.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	14040	8.41	ng/ul	0.00
58) Fluorene-d10	15.32	176	152816	19.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	14720	10.88	ng/ul	0.00
71) Anthracene-d10	17.17	188	212132	19.11	ng/ul	0.00
79) Pyrene-d10	19.48	212	196731	20.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.38	264	184923	19.80	ng/ul	0.01

Target Compounds

						Ovalue
28) Naphthalene	10.50	128	15713	1.50	ng/ul	99
45) Dimethylphthalate	13.78	163	57456	6.06	ng/ul	100
48) Acenaphthylene	14.05	152	30019	2.42	ng/ul	98
50) Acenaphthene	14.39	153	10539	1.28	ng/ul	97
59) Fluorene	15.37	166	15008	1.65	ng/ul	99
70) Phenanthrene	17.12	178	282108	20.90	ng/ul	99
72) Anthracene	17.20	178	68732	4.96	ng/ul	100
75) Carbazole	17.48	167	28155	2.31	ng/ul	97
77) Fluoranthene	19.14	202	533465	38.03	ng/ul	99
80) Pyrene	19.51	202	594678	46.16	ng/ul	98
83) Benzo(a)anthracene	21.27	228	248112	21.95	ng/ul	96
85) Chrysene	21.32	228	293002	27.28	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	324347	28.53	ng/ul	98
89) Benzo(k)fluoranthene	22.89	252	105565m	9.76	ng/ul	
91) Benzo(a)pyrene	23.42	252	257696	23.90	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.77	276	168106	14.10	ng/ul	97
93) Dibenzo(a,h)anthracene	25.77	278	47942	4.79	ng/ul#	86
94) Benzo(g,h,i)perylene	26.46	276	169885	16.97	ng/ul	98

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

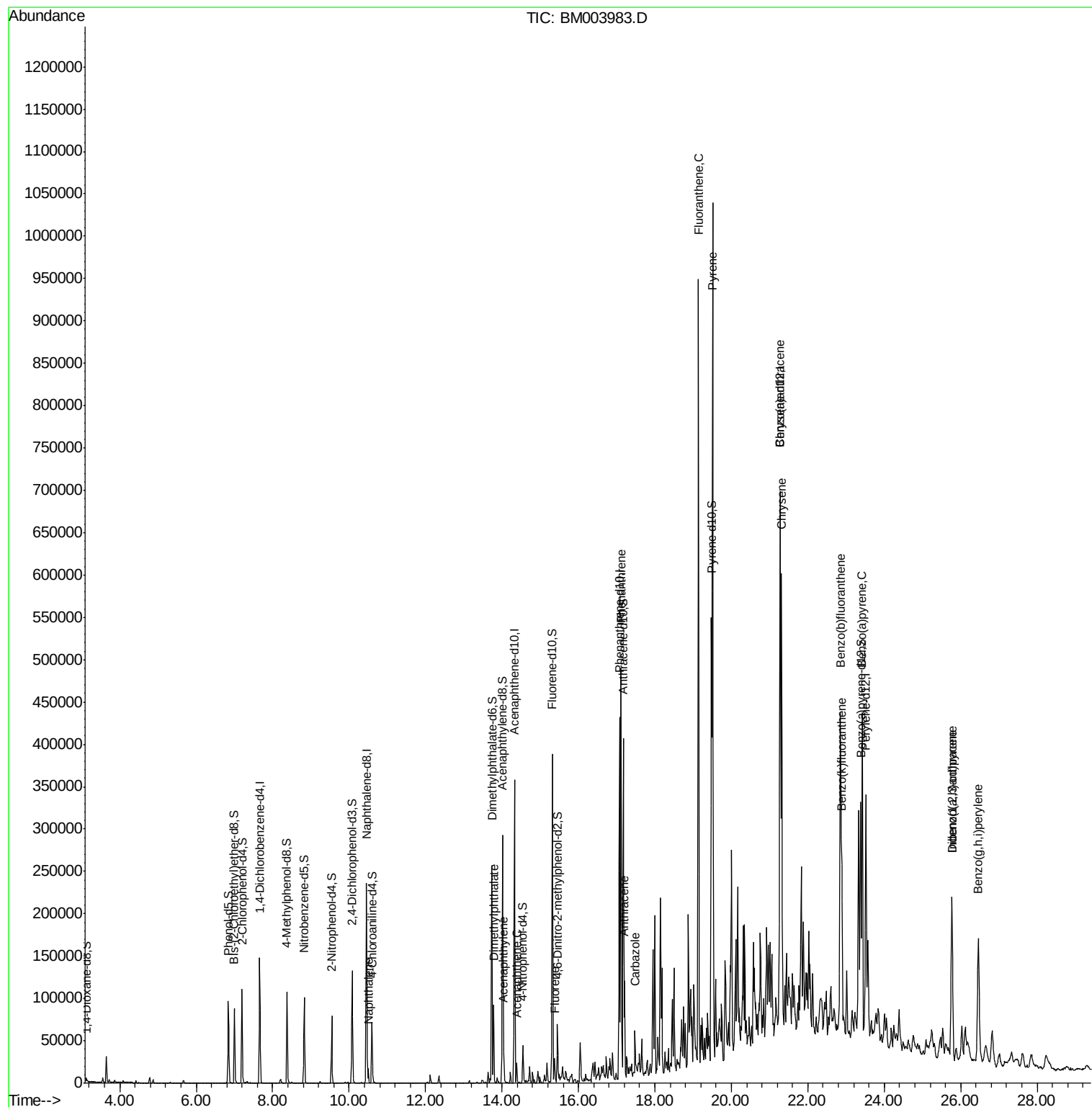
Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

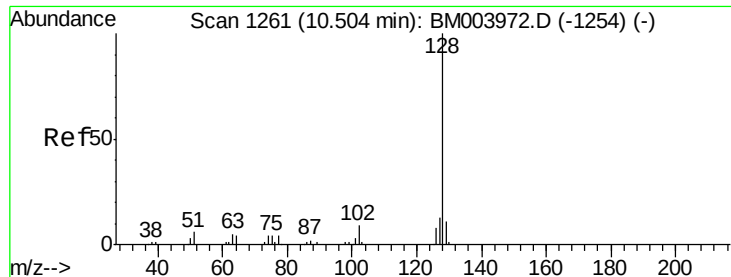
Instrument :
BNA_M
ClientSampleId :
BC975

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Quant Time: Jan 13 10:24:05 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: 1.50 ng/ul

RT: 10.50 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BM003983.D

Acq: 13 Jan 2016 09:38

Instrument :

BNA_M

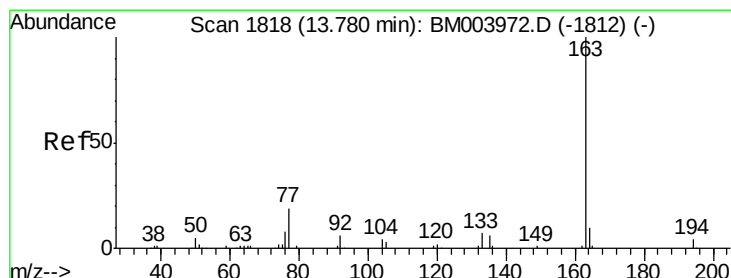
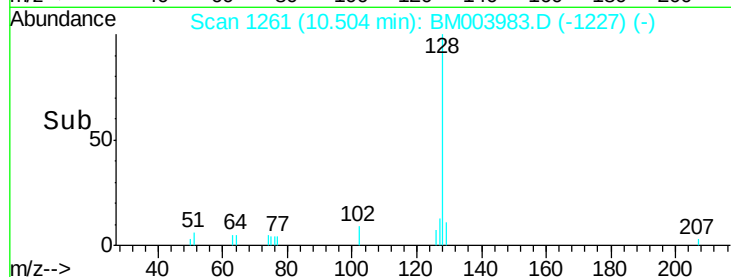
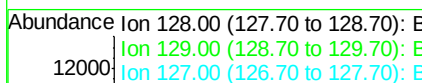
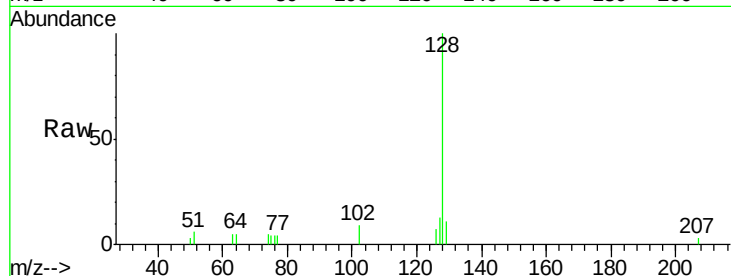
ClientSampleId :

BC975

Tot Ion:	128	Resp:	15713
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	13.3	10.5	15.7

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#45

Dimethylphthalate

Concen: 6.06 ng/ul

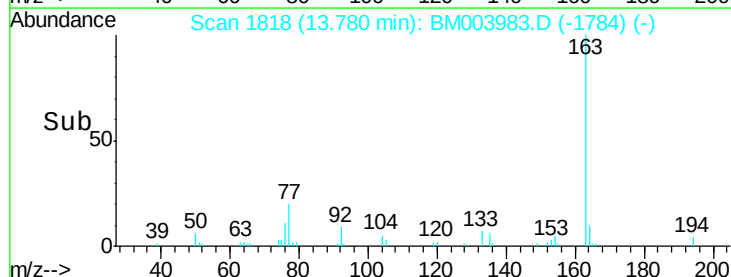
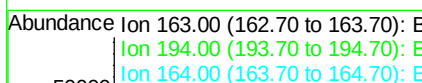
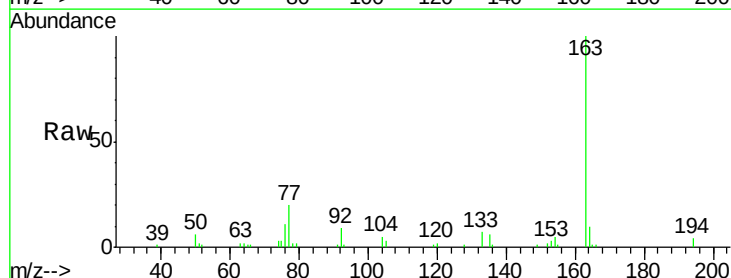
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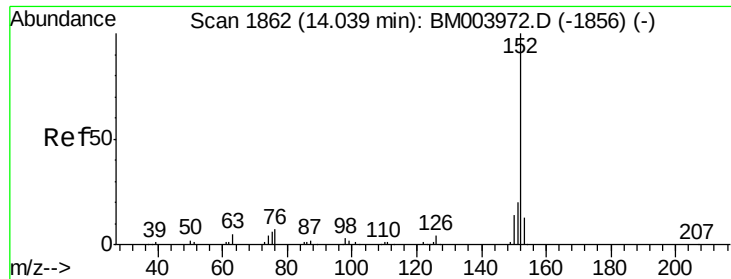
Delta R.T. 0.00 min

Lab File: BM003983.D

Acq: 13 Jan 2016 09:38

Tgt Ion:	163	Resp:	57456
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.2	4.8
164	9.7	7.8	11.8





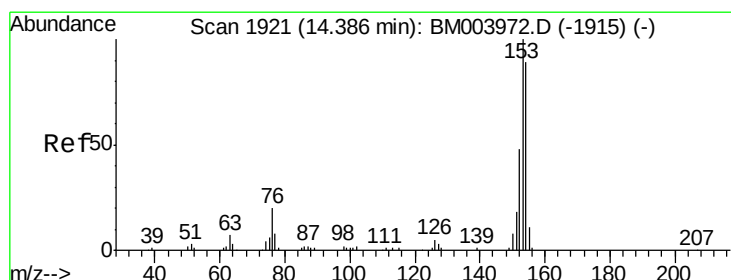
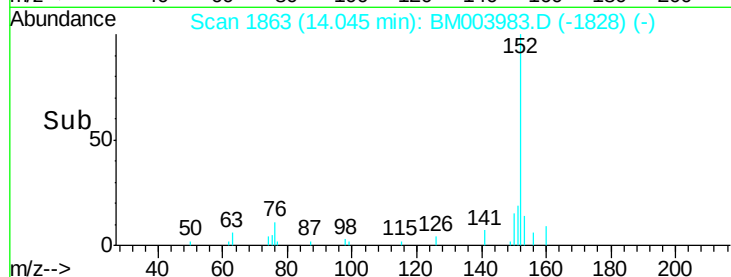
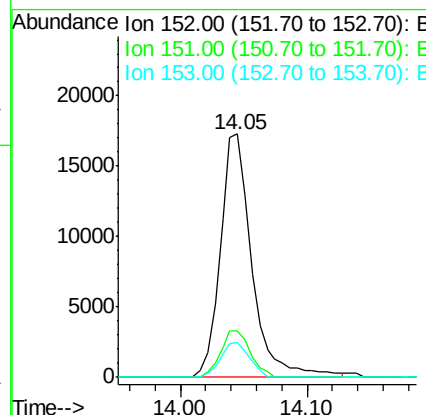
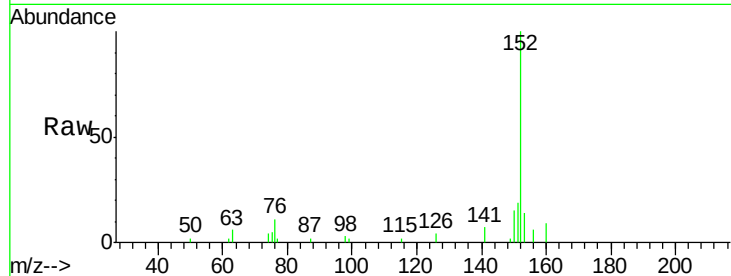
#48
Acenaphthylene
Concen: 2.42 ng/ul
RT: 14.05 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BM003983.D
Acq: 13 Jan 2016 09:38

Instrument :
BNA_M
ClientSampleId :
BC975

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	14.1	10.5	15.7

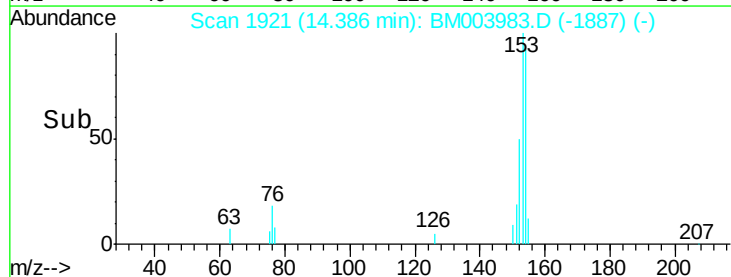
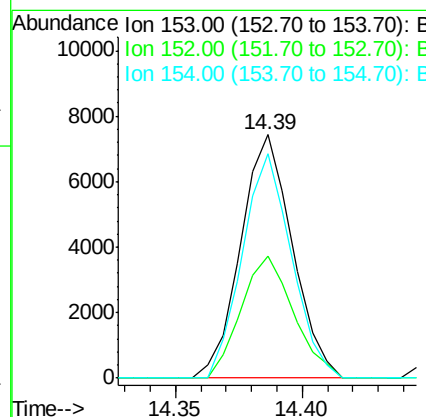
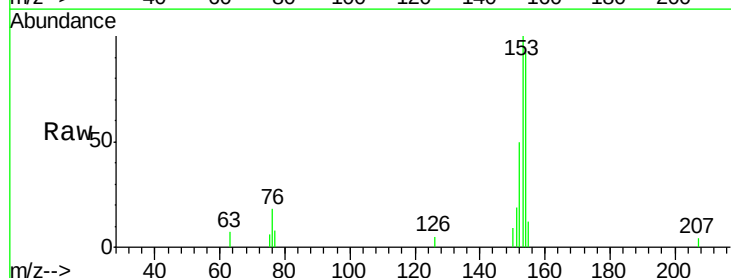
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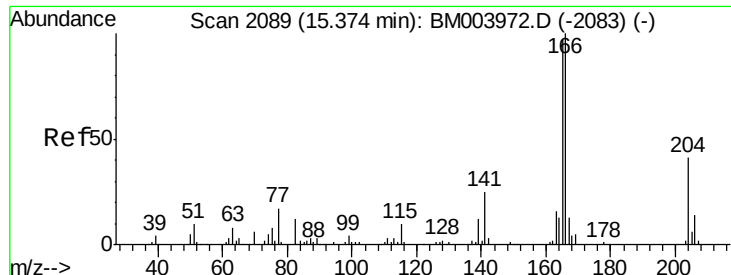
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#50
Acenaphthene
Concen: 1.28 ng/ul
RT: 14.39 min Scan# 1921
Delta R.T. 0.00 min
Lab File: BM003983.D
Acq: 13 Jan 2016 09:38

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.3	38.3	57.5
154	92.3	71.8	107.8





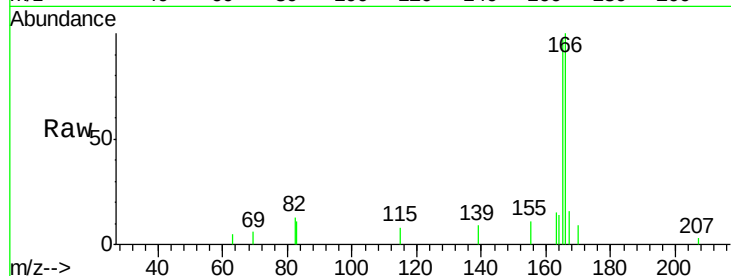
#59
 Fluorene
 Concen: 1.65 ng/ul
 RT: 15.37 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: BM003983.D
 Acq: 13 Jan 2016 09:38

Instrument :
 BNA_M
 ClientSampleId :
 BC975

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		15008		
165	97.3	78.5	117.7		
167	15.7	10.7	16.1		

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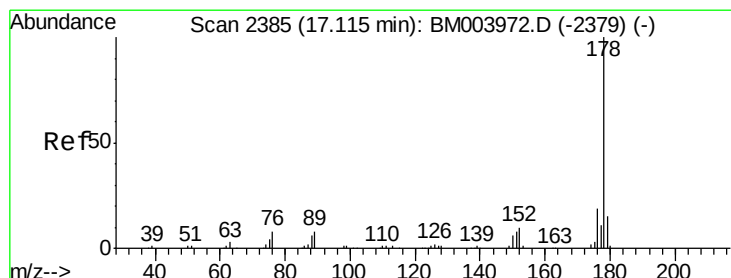
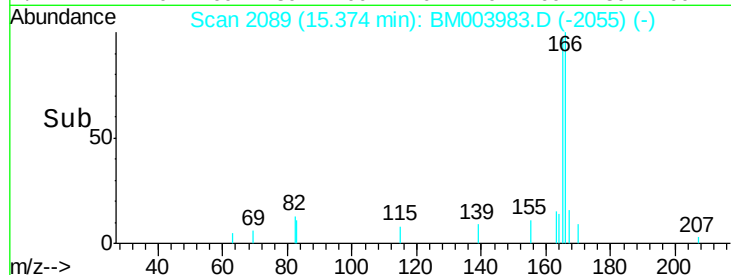
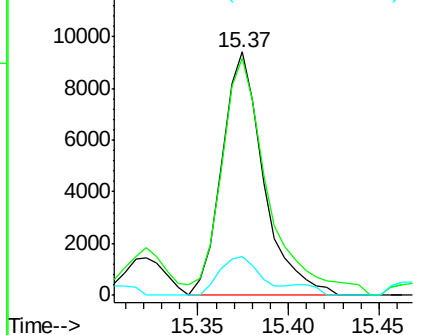


Abundance

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: 20.90 ng/ul
 RT: 17.12 min Scan# 2385
 Delta R.T. 0.00 min
 Lab File: BM003983.D
 Acq: 13 Jan 2016 09:38

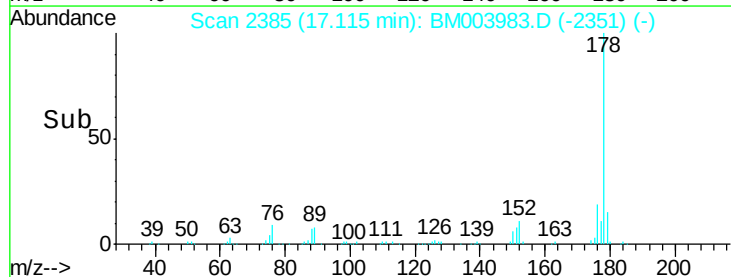
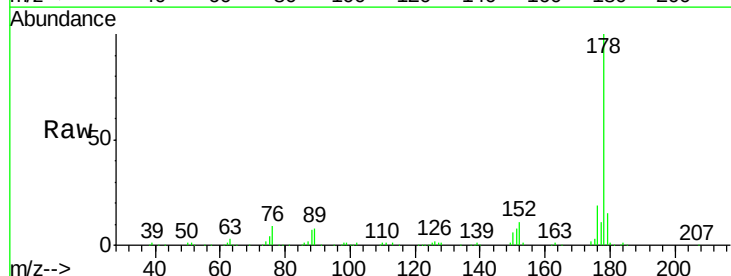
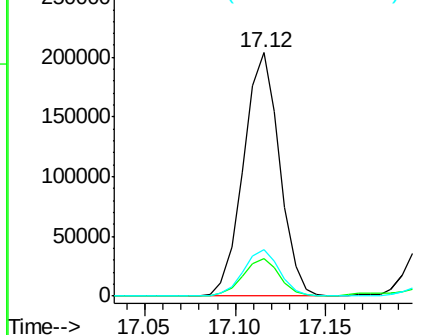
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		282108		
179	15.3	12.2	18.4		
176	19.0	15.6	23.4		

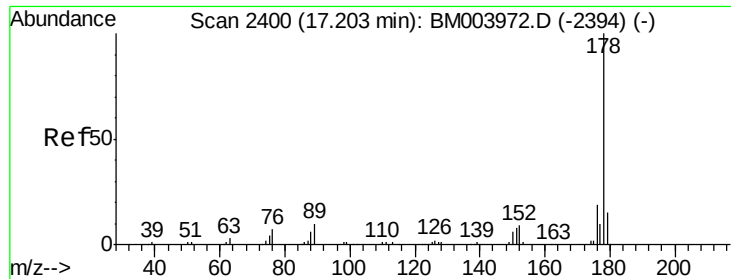
Abundance

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: 4.96 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM003983.D

Acq: 13 Jan 2016 09:38

Instrument :

BNA_M

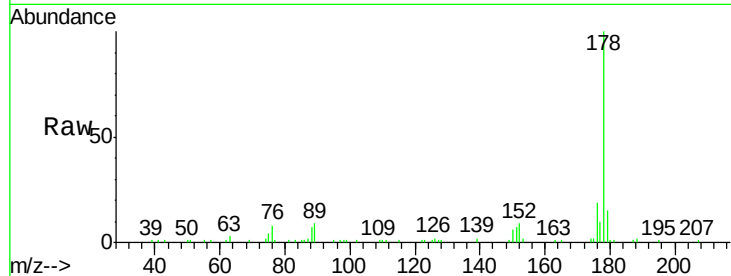
ClientSampled :

BC975

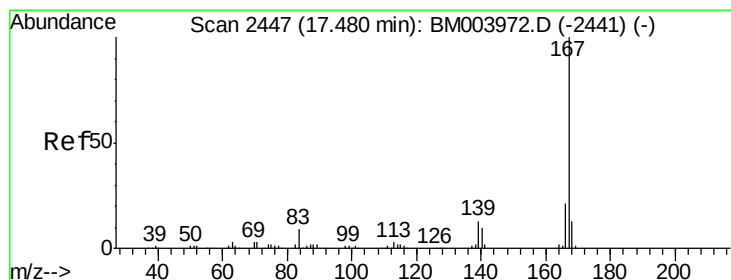
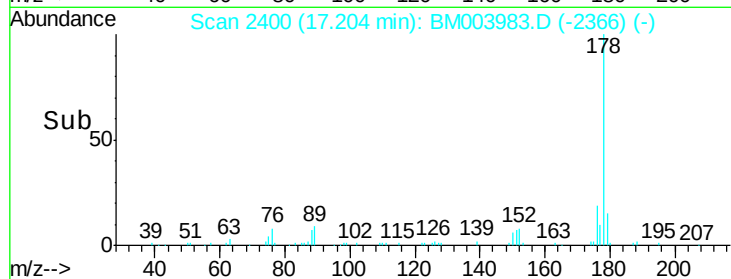
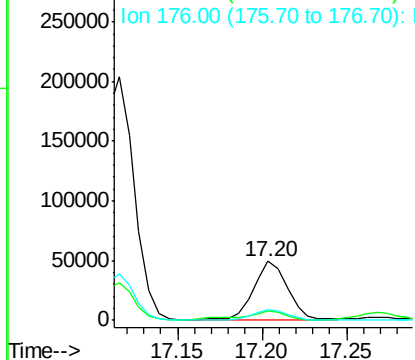
Tot Ion:	178	Resp:	68732
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.1	18.1
176	18.7	14.8	22.2

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1/13/2016 3:28:52 PM



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: 2.31 ng/ul

RT: 17.48 min Scan# 2447

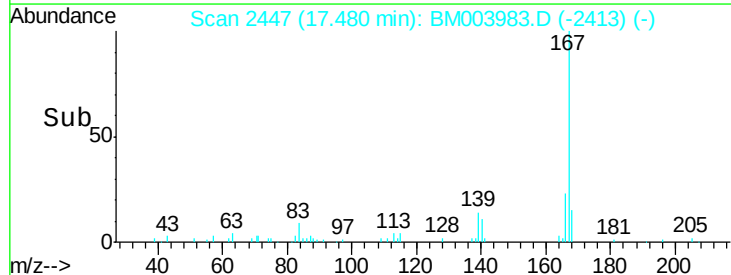
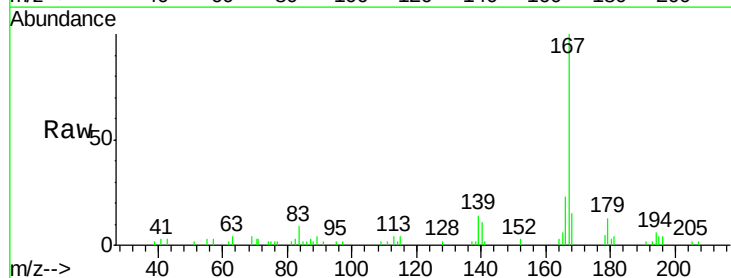
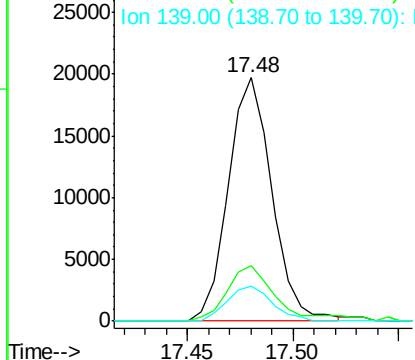
Delta R.T. 0.00 min

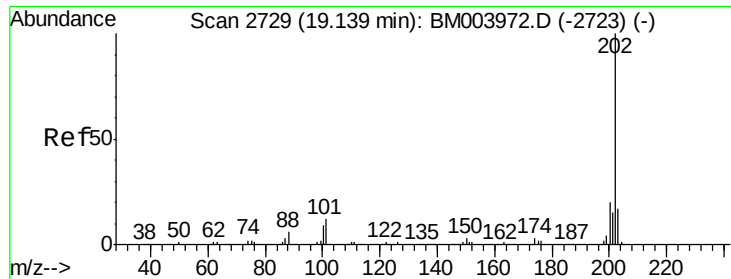
Lab File: BM003983.D

Acq: 13 Jan 2016 09:38

Tgt Ion:	167	Resp:	28155
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.0	25.6
139	14.4	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





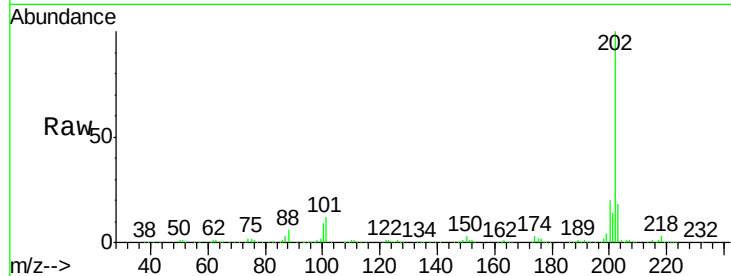
#77
Fluoranthene
Concen: 38.03 ng/ul
RT: 19.14 min Scan# 2730
Delta R.T. 0.01 min
Lab File: BM003983.D
Acq: 13 Jan 2016 09:38

Instrument :
BNA_M
ClientSampled :
BC975

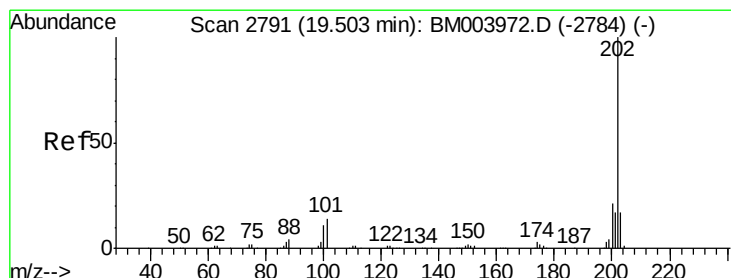
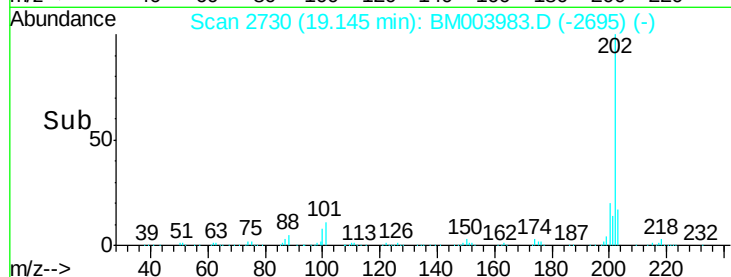
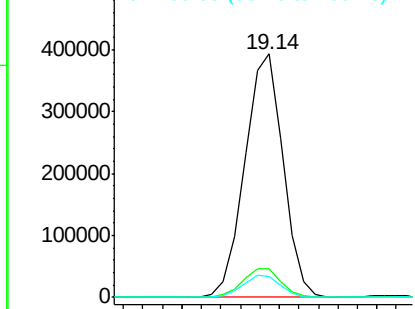
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	8.8	13.2
100	8.7	6.6	9.8

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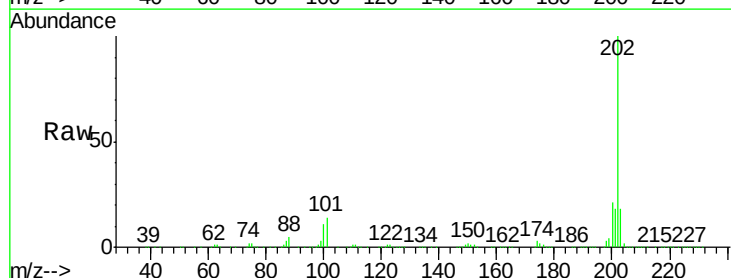


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

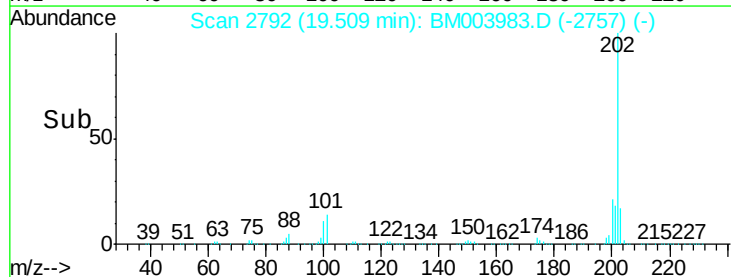
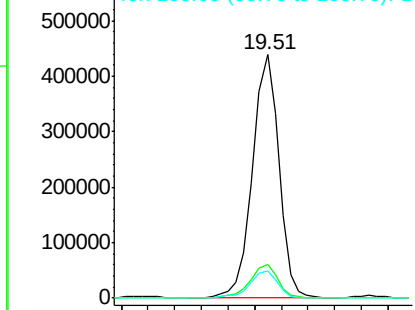


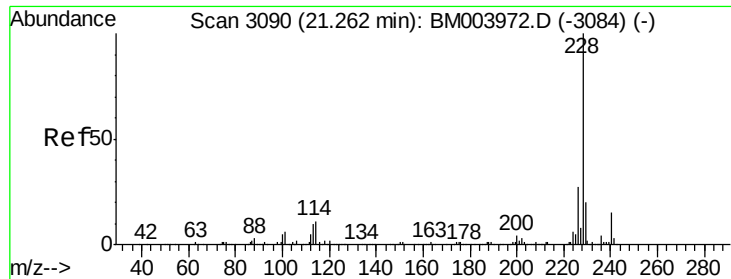
#80
Pyrene
Concen: 46.16 ng/ul
RT: 19.51 min Scan# 2792
Delta R.T. 0.01 min
Lab File: BM003983.D
Acq: 13 Jan 2016 09:38

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	10.2	15.2
100	11.2	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





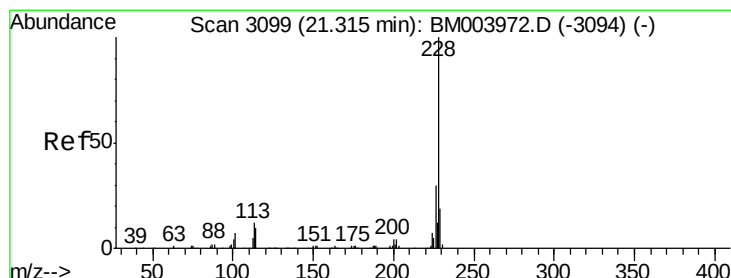
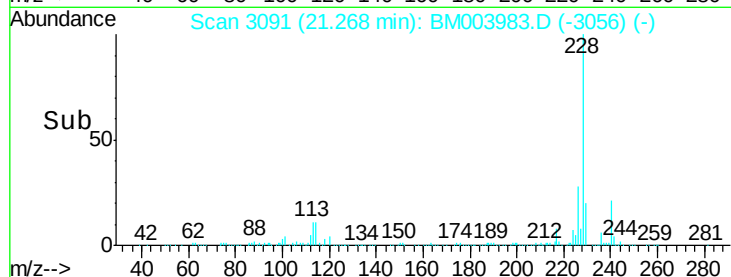
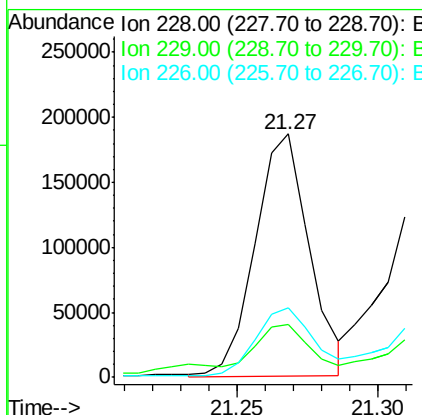
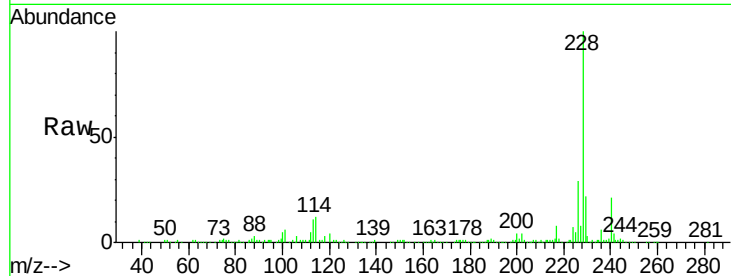
#83
Benzo(a)anthracene
Concen: 21.95 ng/ul
RT: 21.27 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BM003983.D
Acq: 13 Jan 2016 09:38

Instrument :
BNA_M
ClientSampled :
BC975

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	28.7	21.8	32.6

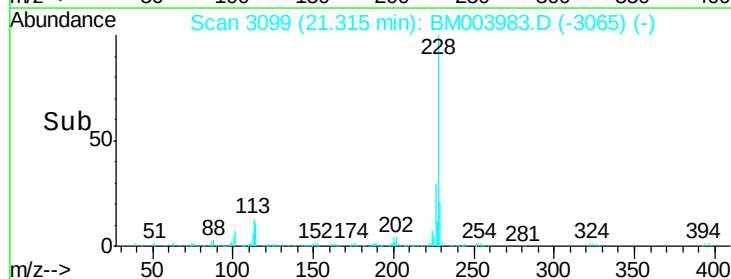
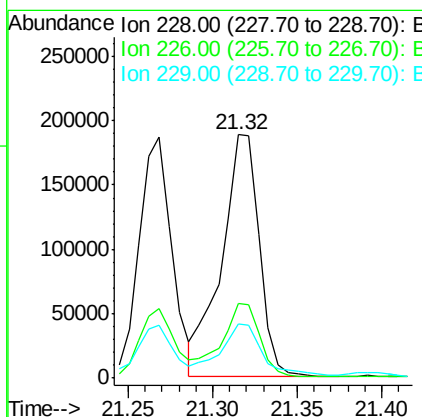
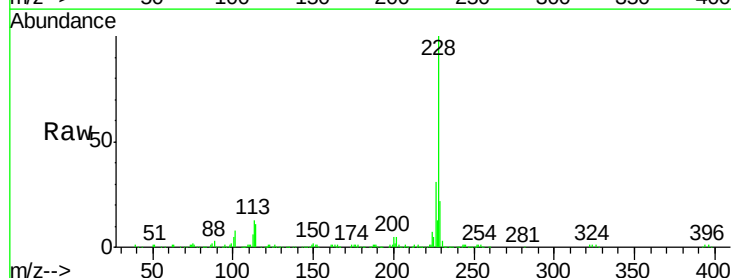
Manual Integrations
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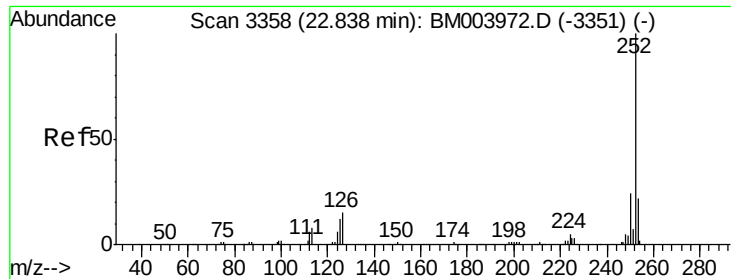
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1/13/2016 3:28:52 PM



#85
Chrysene
Concen: 27.28 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM003983.D
Acq: 13 Jan 2016 09:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	22.0	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 28.53 ng/ul

RT: 22.85 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BM003983.D

Acq: 13 Jan 2016 09:38

Instrument :

BNA_M

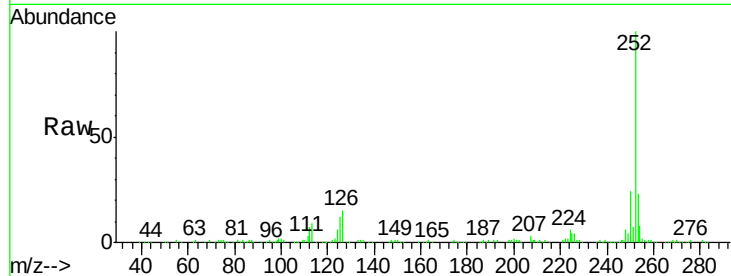
ClientSampled :

BC975

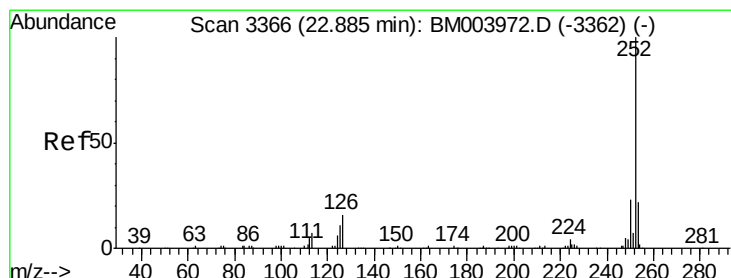
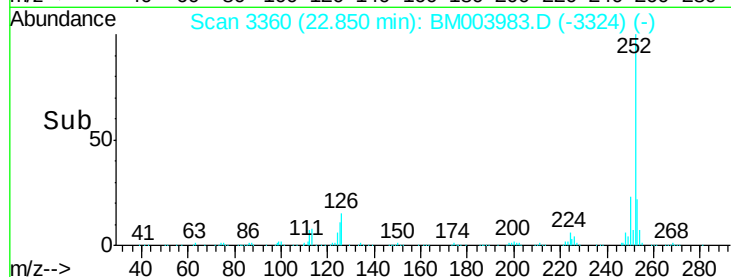
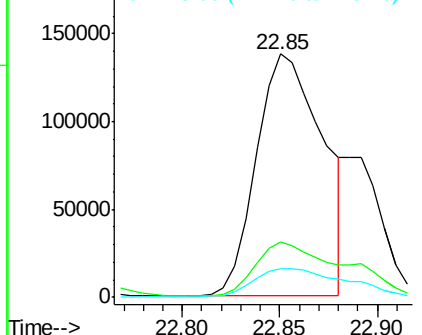
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.9	8.5	12.7

Manual Integrations
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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



#89

Benzo(k)fluoranthene

Concen: 9.76 ng/ul m

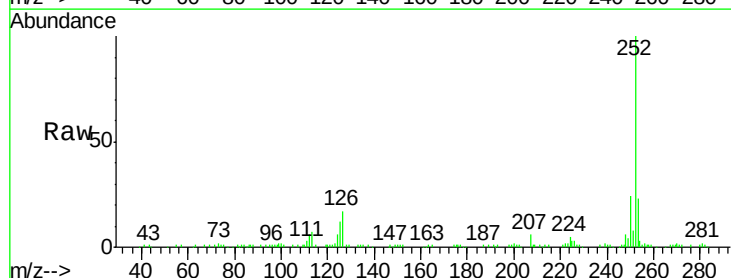
RT: 22.89 min Scan# 3366

Delta R.T. 0.00 min

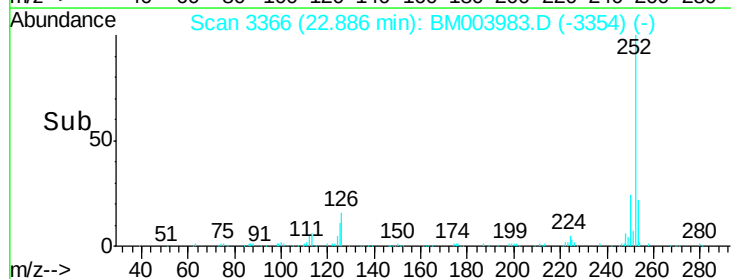
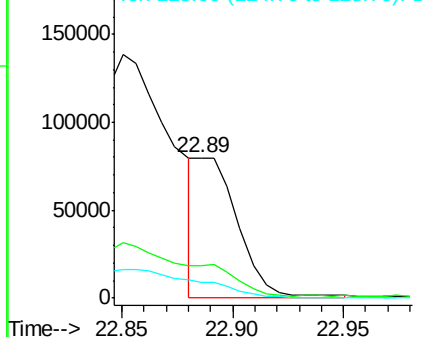
Lab File: BM003983.D

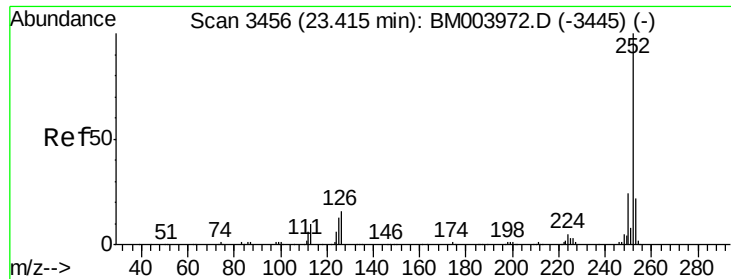
Acq: 13 Jan 2016 09:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.6	8.2	12.2



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





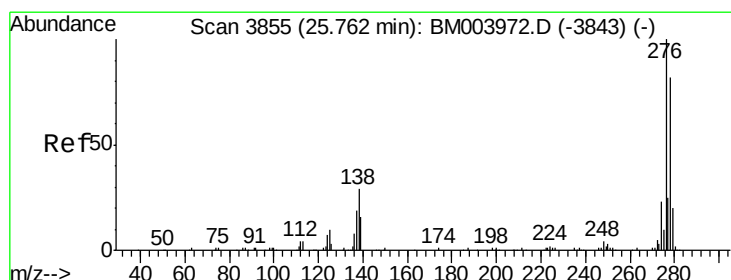
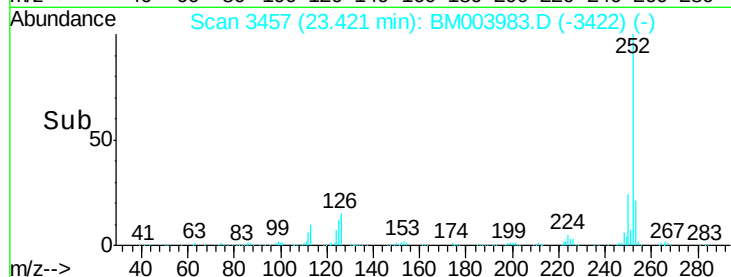
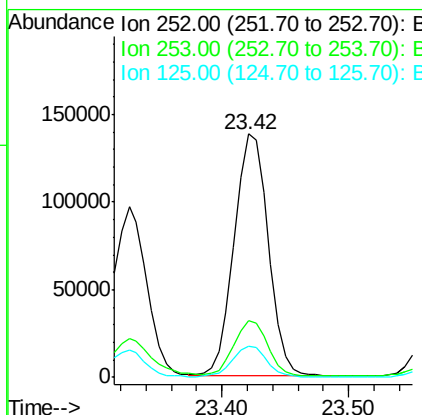
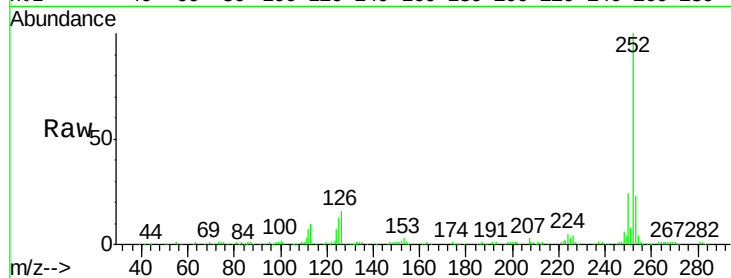
#91
Benzo(a)pyrene
Concen: 23.90 ng/ul
RT: 23.42 min Scan# 3457
Delta R.T. 0.01 min
Lab File: BM003983.D
Acq: 13 Jan 2016 09:38

Instrument :
BNA_M
ClientSampleId :
BC975

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	17.2	25.8
125	12.6	9.0	13.6

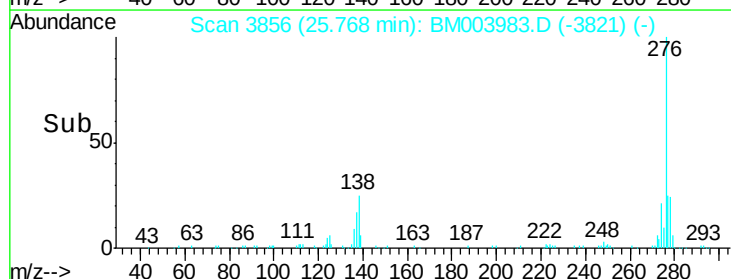
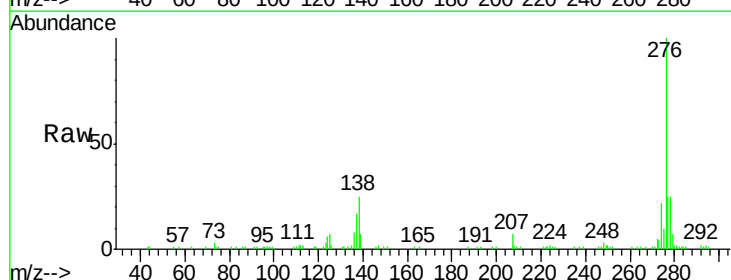
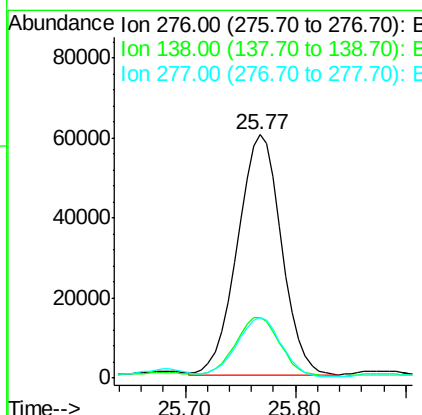
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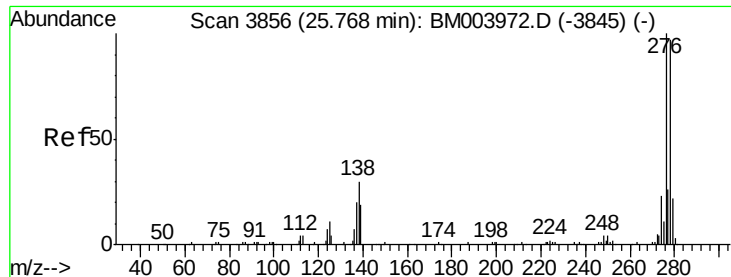
MMdadoda
1/13/2016 3:28:52 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 14.10 ng/ul
RT: 25.77 min Scan# 3856
Delta R.T. 0.01 min
Lab File: BM003983.D
Acq: 13 Jan 2016 09:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.1	22.3	33.5
277	25.0	20.2	30.2





#93

Dibenzo(a,h)anthracene

Concen: 4.79 ng/ul

RT: 25.77 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM003983.D

Acq: 13 Jan 2016 09:38

Instrument :

BNA_M

ClientSampleId :

BC975

Tot Ion:278 Resp: 47942

Ion Ratio Lower Upper

278 100

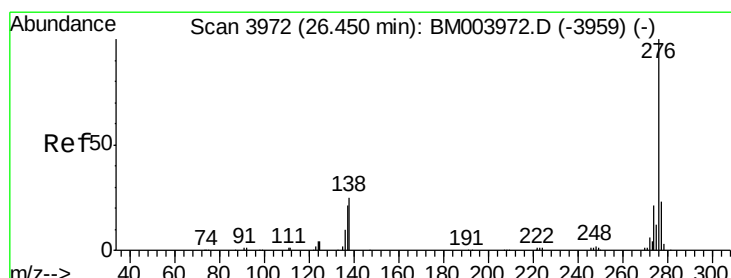
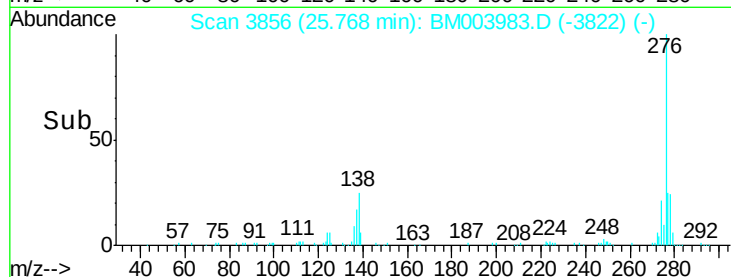
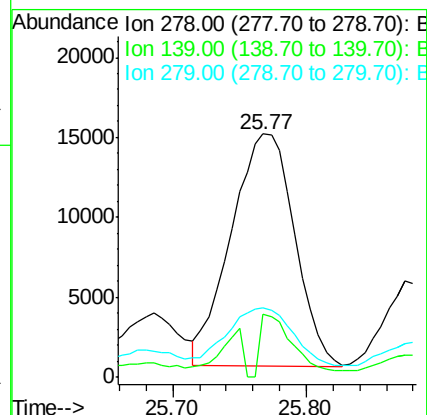
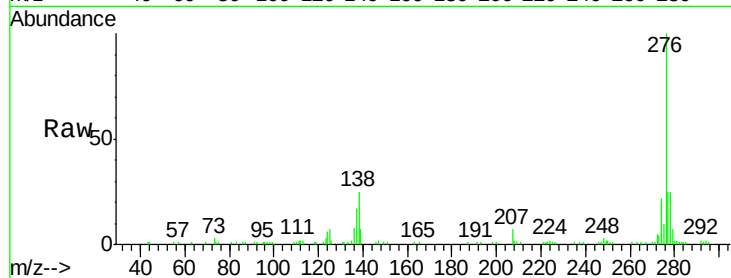
139 26.1 13.9 20.9#

279 28.7 19.0 28.4#

Manual Integrations
APPROVED

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1/13/2016 3:28:52 PM



#94

Benzo(g,h,i)perylene

Concen: 16.97 ng/ul

RT: 26.46 min Scan# 3973

Delta R.T. 0.01 min

Lab File: BM003983.D

Acq: 13 Jan 2016 09:38

Tgt Ion:276 Resp: 169885

Ion Ratio Lower Upper

276 100

138 24.8 18.9 28.3

277 24.6 19.2 28.8

