

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
 Data File : BM004005.D
 Acq On : 14 Jan 2016 04:03
 Operator : SJ/UM
 Sample : H1098-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9D5

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 5:56:53 PM

Quant Time: Jan 14 12:18:50 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	47341	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	225919	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	132048	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	291186	20.00	ng/ul	0.00
78) Chrysene-d12	21.27	240	239602	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	208308	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3151	2.98	ng/uL	0.00
5) Phenol-d5	6.84	99	76358	19.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	46312	20.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	66069	20.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	47515	14.92	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	34020	19.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	37097	19.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	64415	19.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	72279	16.52	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	220321	21.25	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	273812	21.68	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	27173	14.59	ng/ul	0.00
58) Fluorene-d10	15.32	176	197662	22.48	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	21695	13.21	ng/ul	0.00
71) Anthracene-d10	17.17	188	303773	22.56	ng/ul	0.00
79) Pyrene-d10	19.47	212	310634	25.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	239108	22.98	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	96512	9.13	ng/ul	99
48) Acenaphthylene	14.04	152	19556	1.41	ng/ul	96
50) Acenaphthene	14.39	153	10877	1.19	ng/ul	98
59) Fluorene	15.37	166	16412	1.62	ng/ul	97
70) Phenanthrene	17.11	178	312442	19.08	ng/ul	99
72) Anthracene	17.20	178	69711	4.15	ng/ul	99
75) Carbazole	17.47	167	23446	1.59	ng/ul	97
77) Fluoranthene	19.14	202	549684	32.30	ng/ul	98
80) Pyrene	19.50	202	574196	35.30	ng/ul	97
83) Benzo(a)anthracene	21.26	228	240411	16.85	ng/ul	97
85) Chrysene	21.31	228	259566	19.15	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	234709	18.53	ng/ul	98
89) Benzo(k)fluoranthene	22.88	252	86302m	7.16	ng/ul	
91) Benzo(a)pyrene	23.42	252	185623	15.46	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.76	276	107151	8.07	ng/ul	97
93) Dibenzo(a,h)anthracene	25.76	278	32750	2.93	ng/ul#	88
94) Benzo(g,h,i)perylene	26.44	276	106955	9.59	ng/ul	97

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

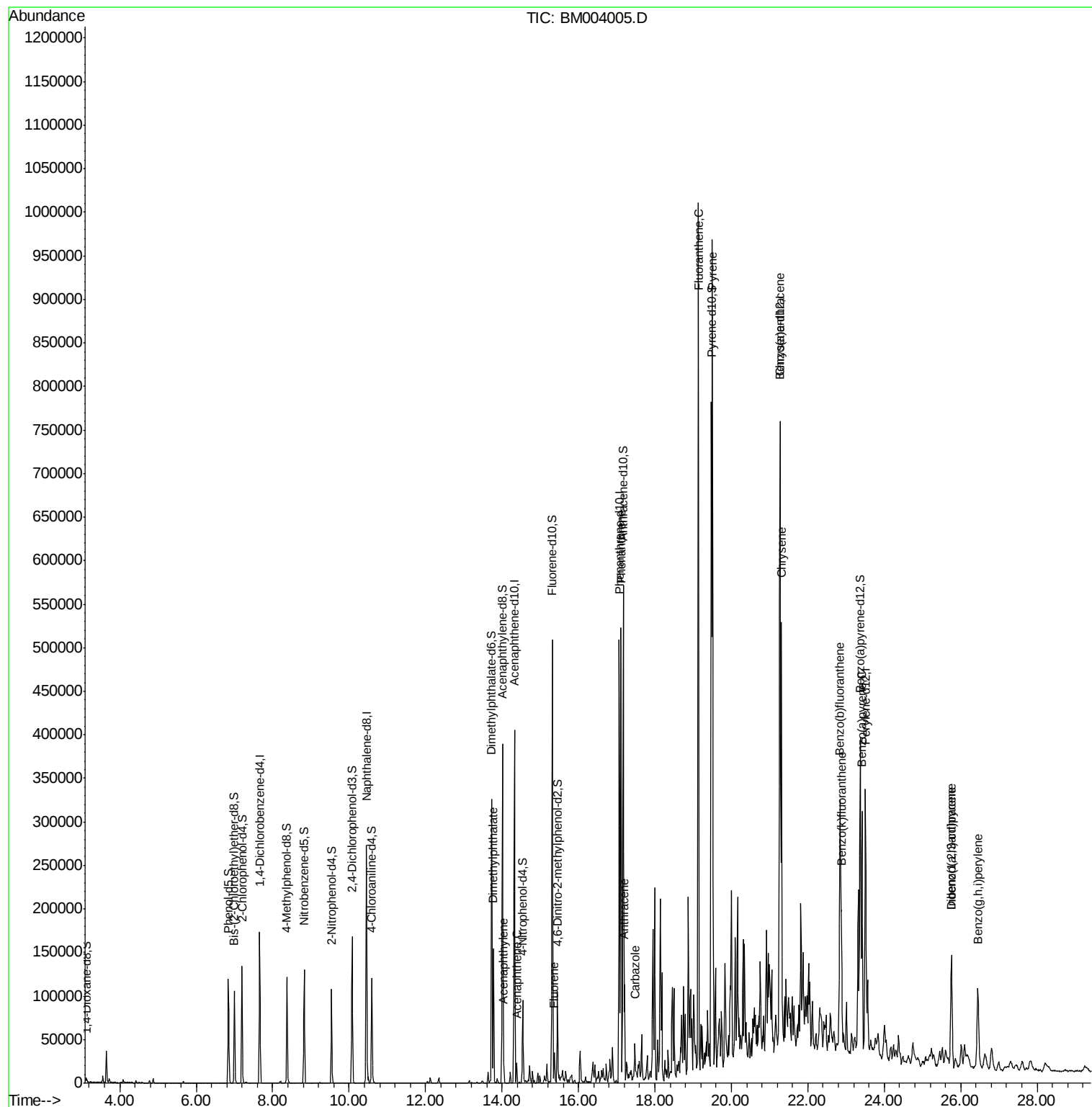
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004005.D
Acq On : 14 Jan 2016 04:03
Operator : SJ/UM
Sample : H1098-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

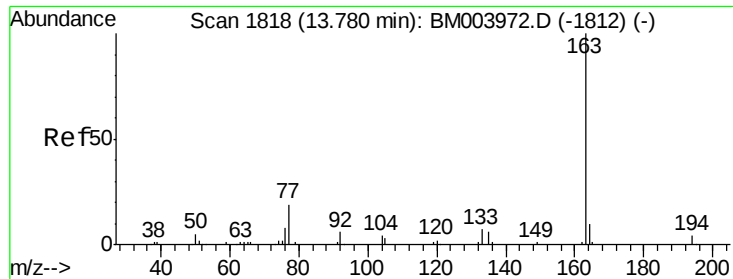
Instrument :
BNA_M
ClientSampleID :
BC9D5

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Quant Time: Jan 14 12:18:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
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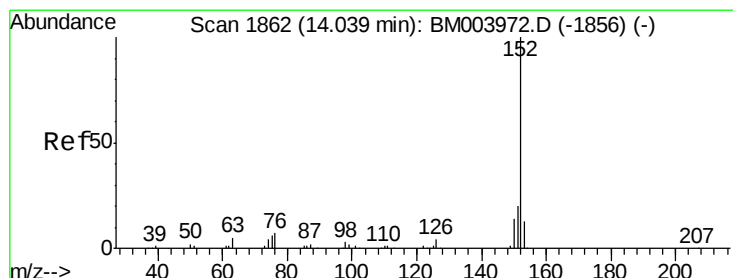
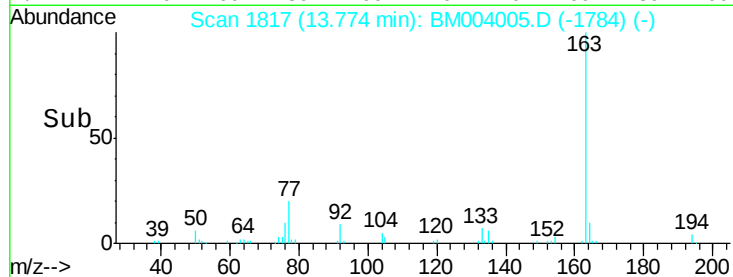
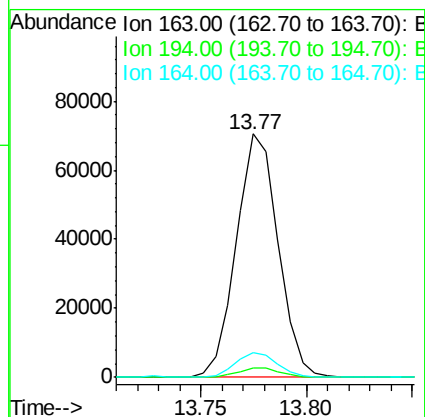
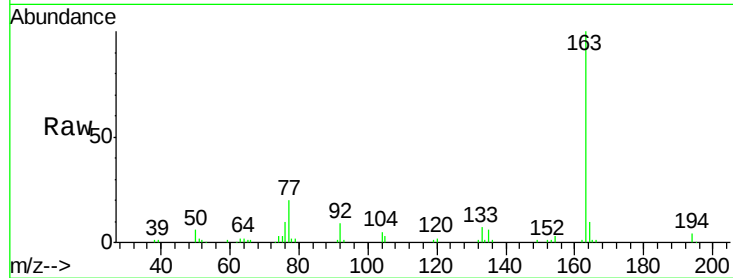
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Dimethylphthalate
Concen: 9.13 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Instrument :
BNA_M
ClientSampleId :
BC9D5

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	96512		
194	3.7		3.2	4.8
164	10.1		7.8	11.8

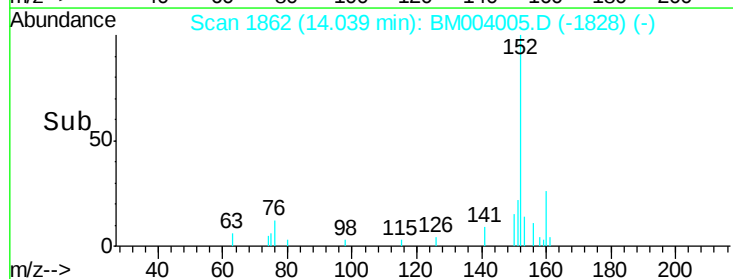
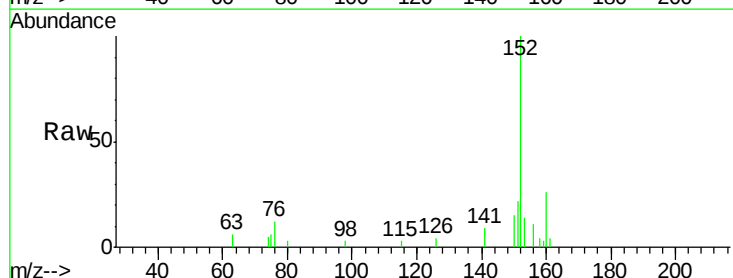
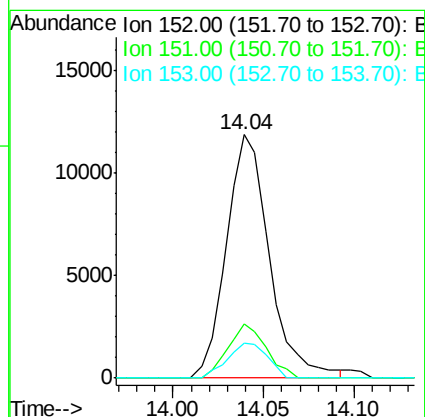
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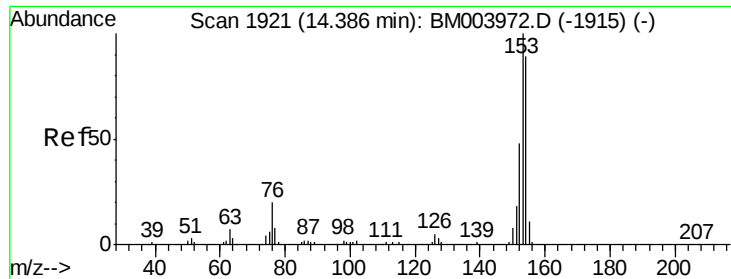
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#48
Acenaphthylene
Concen: 1.41 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	19556		
151	22.1		15.7	23.5
153	14.3		10.5	15.7





#50

Acenaphthene

Concen: 1.19 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004005.D

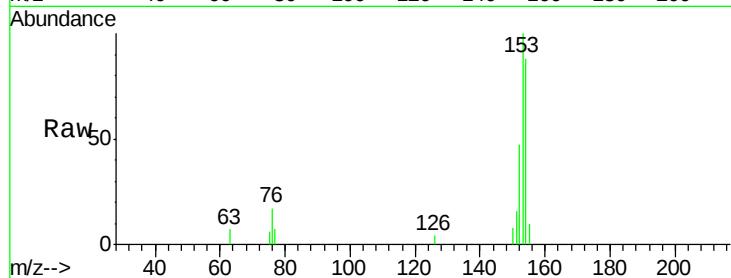
Acq: 14 Jan 2016 04:03

Instrument :

BNA_M

ClientSampleID :

BC9D5



Tgt Ion:153 Resp: 10877

Ion Ratio Lower Upper

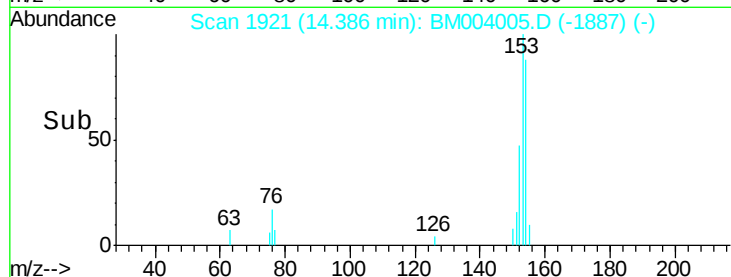
153 100

152 46.7 38.3 57.5

154 88.2 71.8 107.8

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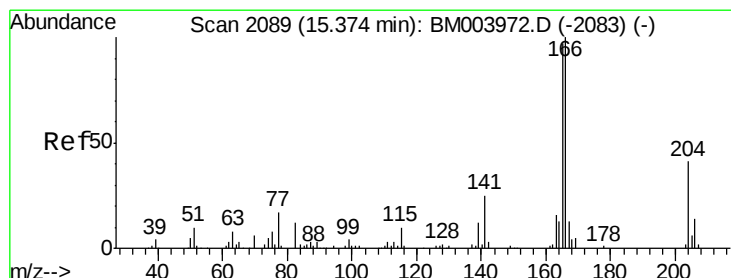
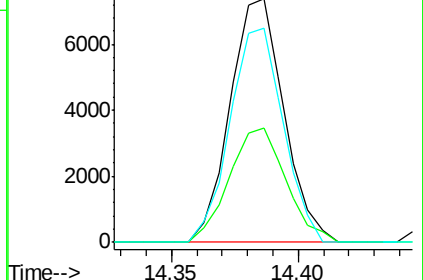
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#59

Fluorene

Concen: 1.62 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

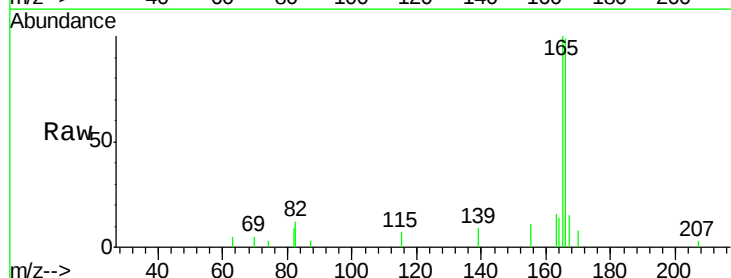
Tgt Ion:166 Resp: 16412

Ion Ratio Lower Upper

166 100

165 101.3 78.5 117.7

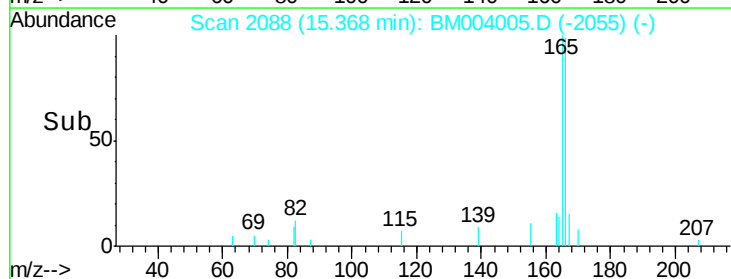
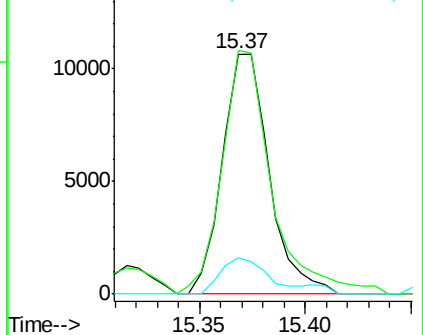
167 15.3 10.7 16.1

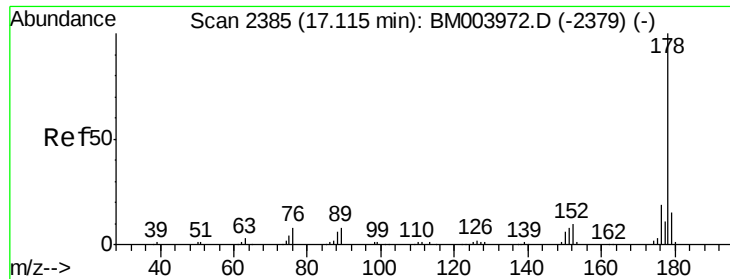


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





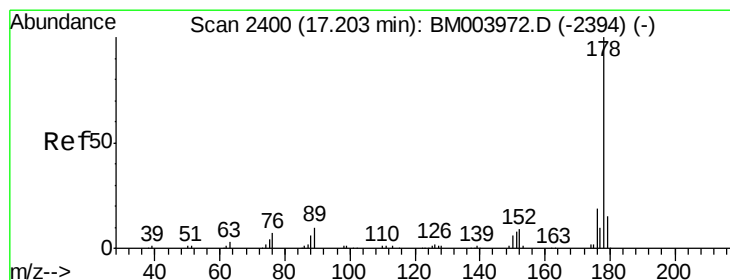
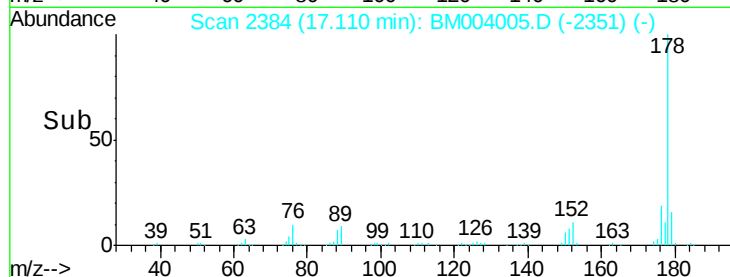
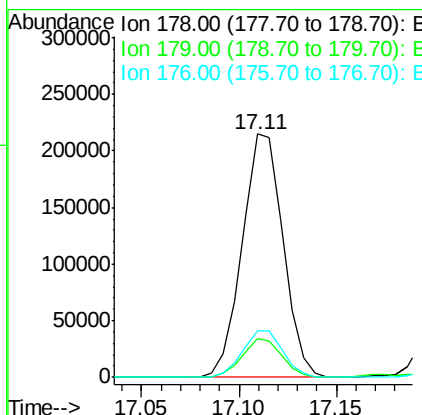
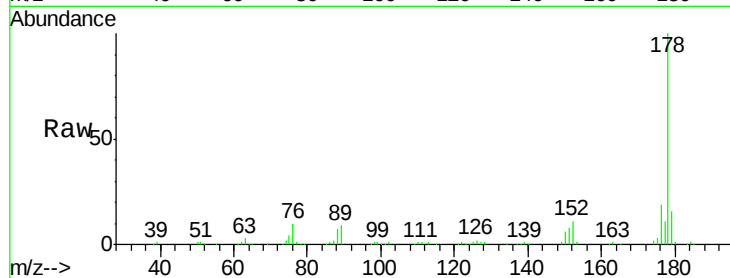
#70
Phenanthrene
Concen: 19.08 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Instrument :
BNA_M
ClientSampleId :
BC9D5

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.4
176	19.3	15.6	23.4

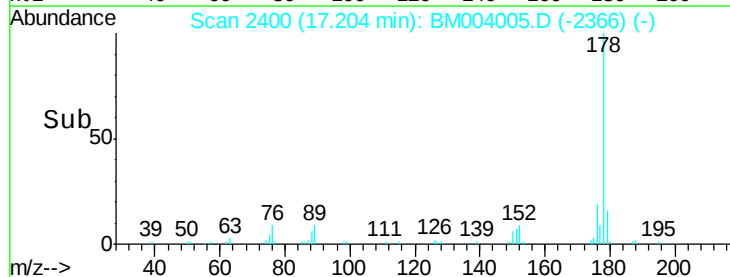
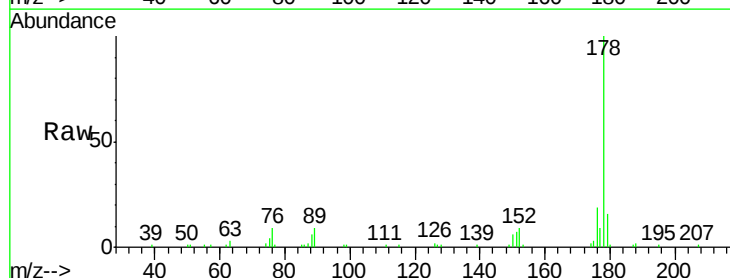
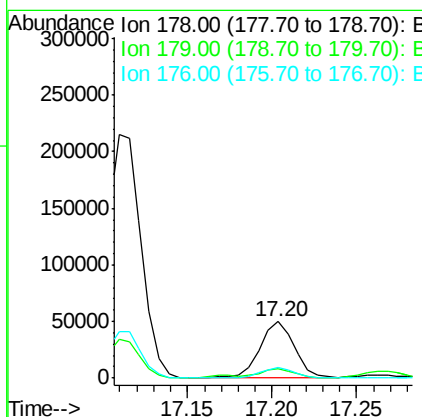
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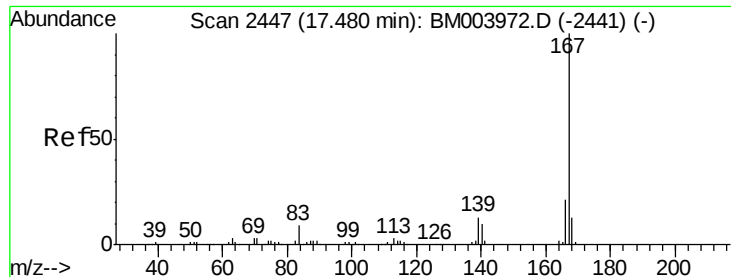
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#72
Anthracene
Concen: 4.15 ng/ul
RT: 17.20 min Scan# 2400
Delta R.T. 0.00 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	18.8	14.8	22.2





#75

Carbazole

Concen: 1.59 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM004005.D

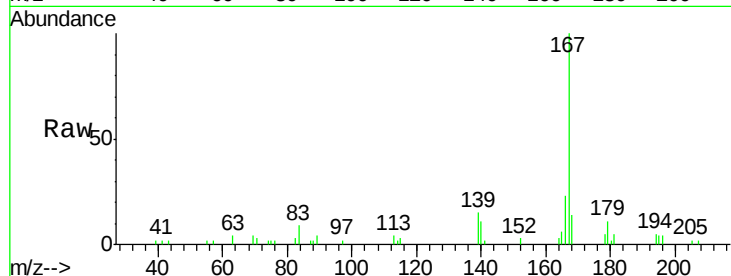
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Instrument :

BNA_M

ClientSampleId :

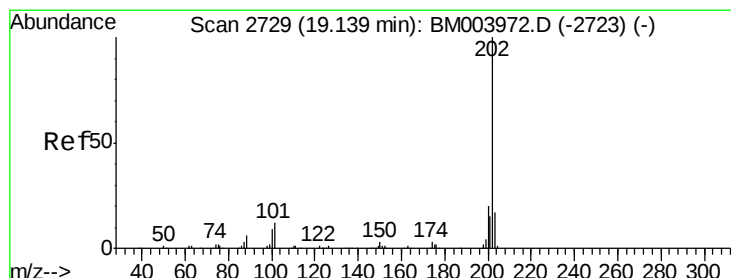
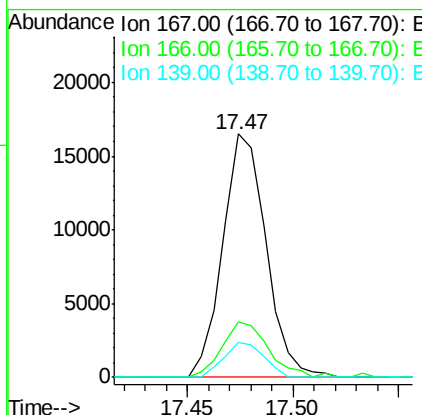
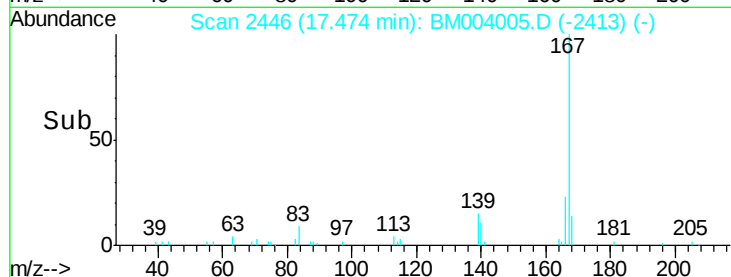
BC9D5



Tgt Ion:	167	Resp:	23446
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.0	25.6
139	14.6	11.0	16.4

Manual Integrations
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#77

Fluoranthene

Concen: 32.30 ng/ul

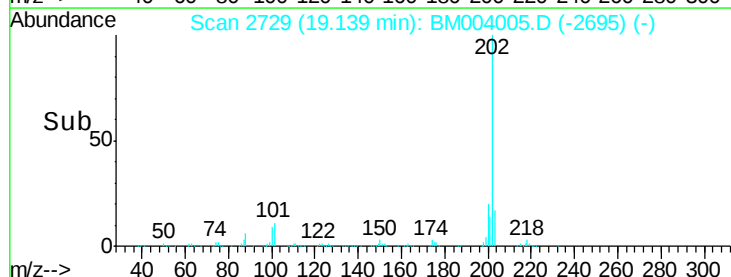
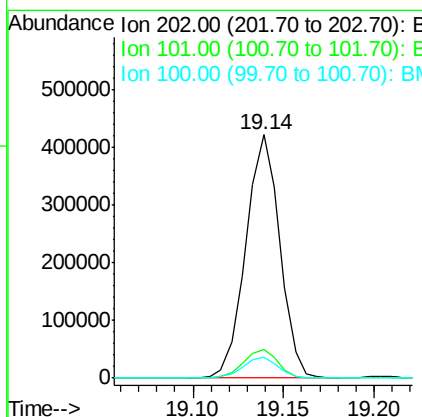
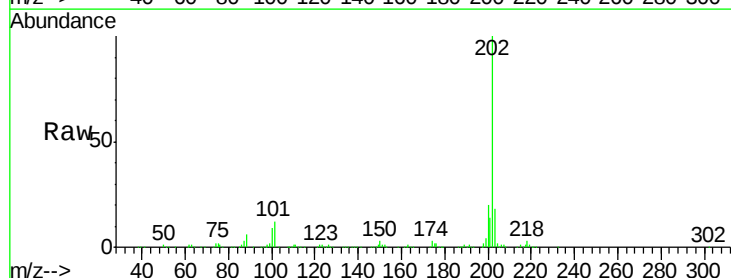
RT: 19.14 min Scan# 2729

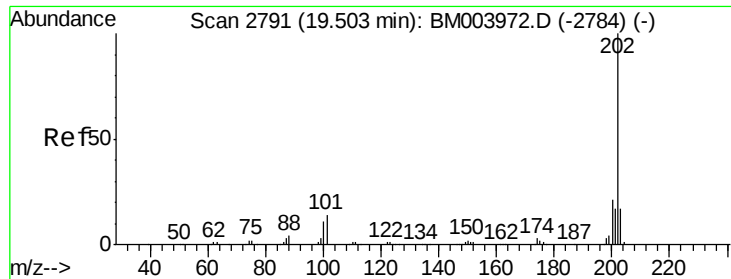
Delta R.T. 0.00 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Tgt Ion:	202	Resp:	549684
Ion Ratio	Lower	Upper	
202	100		
101	11.8	8.8	13.2
100	8.8	6.6	9.8





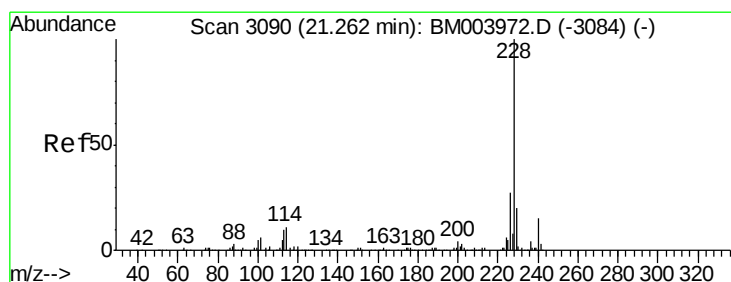
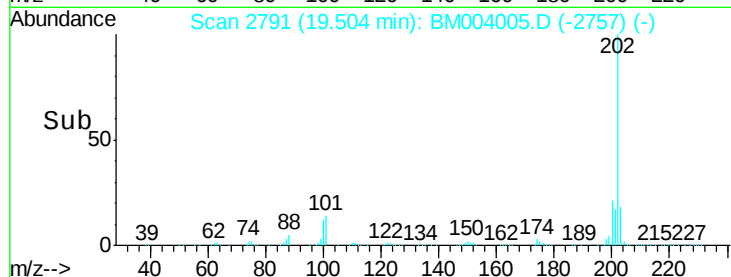
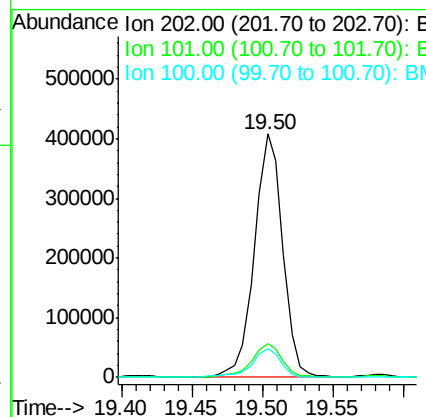
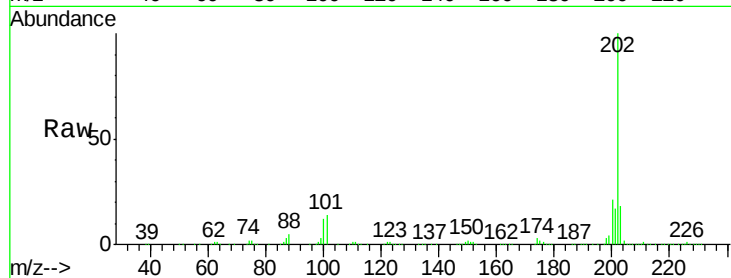
#80
Pyrene
Concen: 35.30 ng/ul
RT: 19.50 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Instrument :
BNA_M
ClientSampleId :
BC9D5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.1	10.2	15.2
100	11.6	8.5	12.7

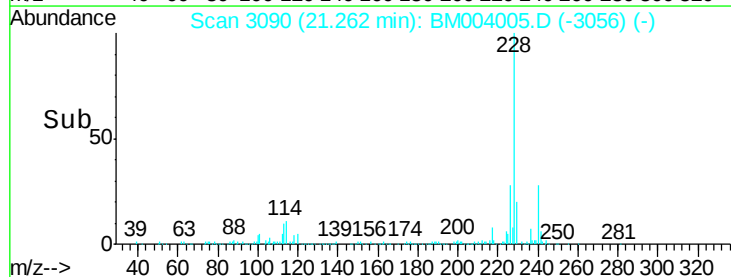
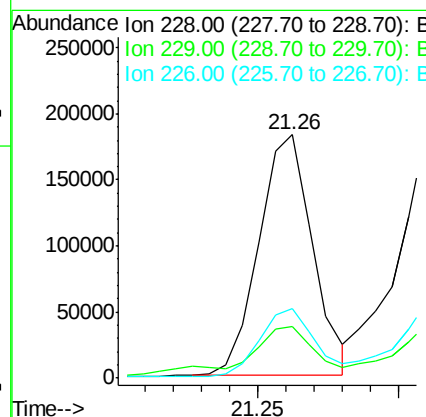
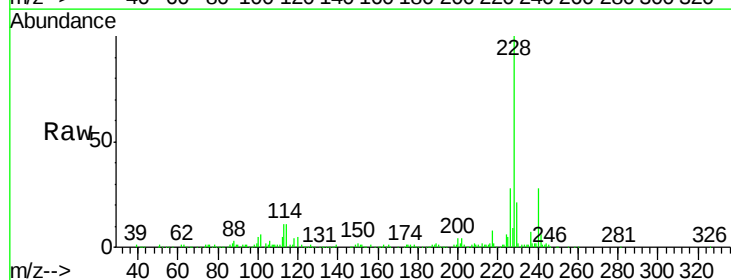
Manual Integrations
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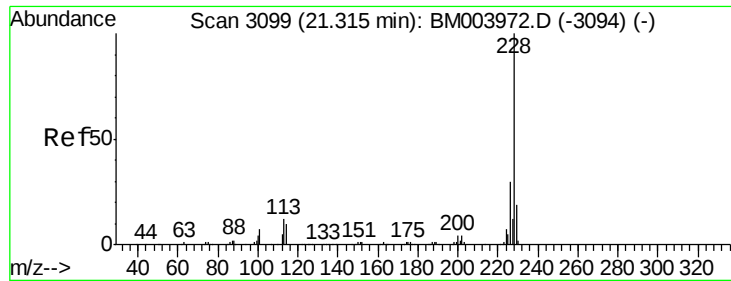
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#83
Benzo(a)anthracene
Concen: 16.85 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.4	15.7	23.5
226	28.4	21.8	32.6





#85

Chrysene

Concen: 19.15 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM004005.D

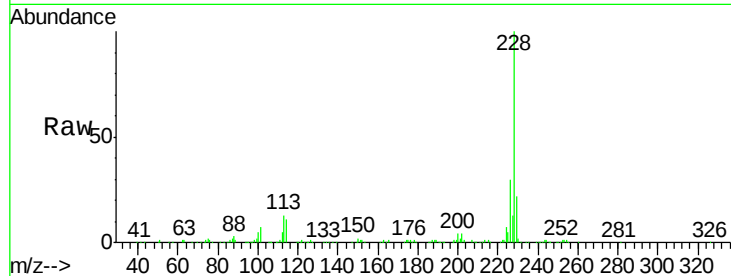
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Instrument :

BNA_M

ClientSampleId :

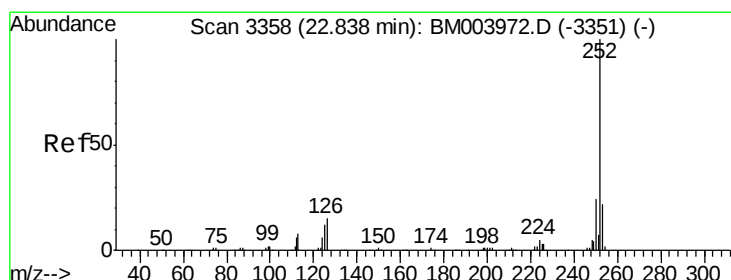
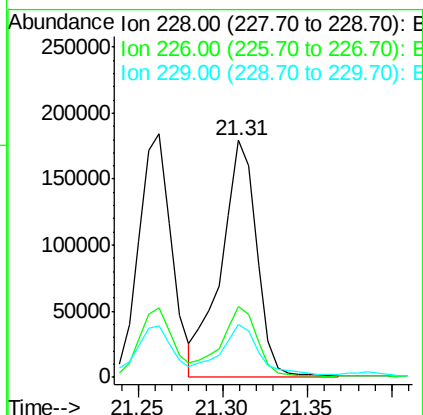
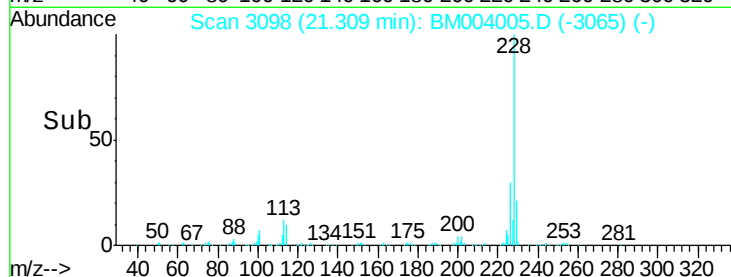
BC9D5



Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	22.1	15.6	23.4

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 18.53 ng/ul

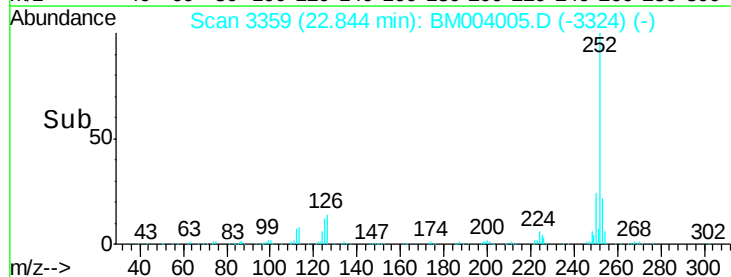
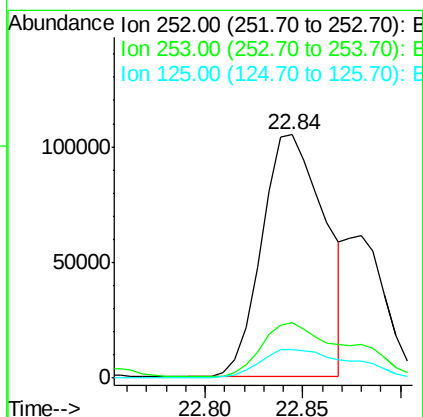
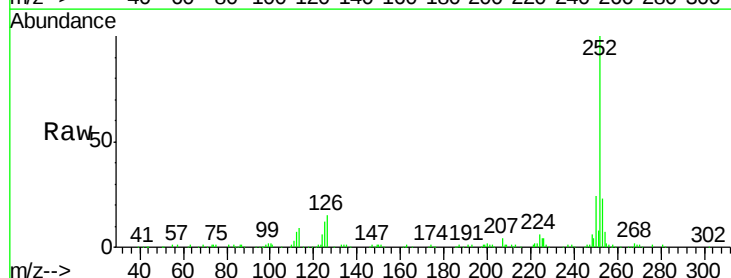
RT: 22.84 min Scan# 3359

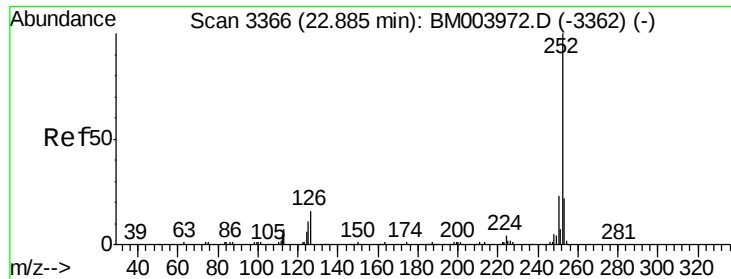
Delta R.T. 0.01 min

Lab File: BM004005.D

Acq: 14 Jan 2016 04:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.0	8.5	12.7





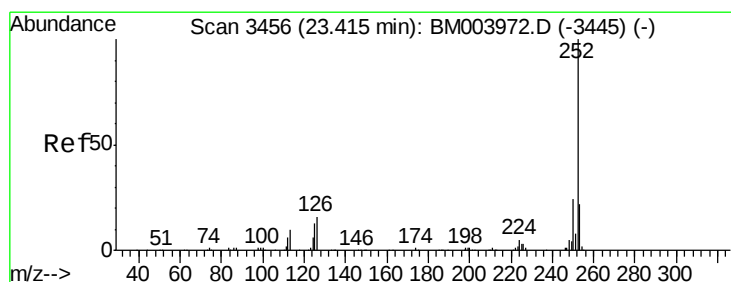
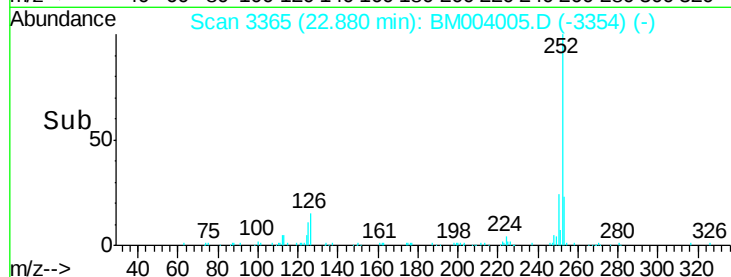
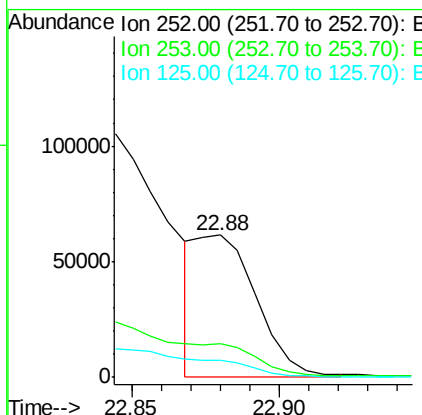
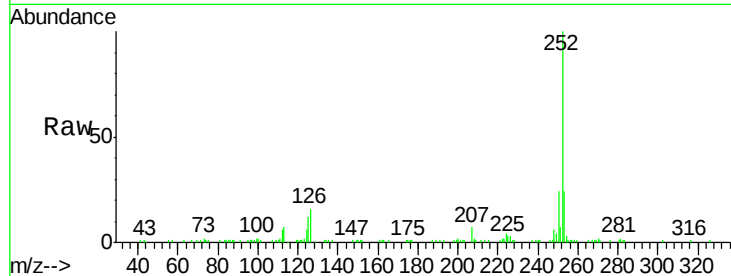
#89
Benzo(k)fluoranthene
Concen: 7.16 ng/ul m
RT: 22.88 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Instrument :
BNA_M
ClientSampleId :
BC9D5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	11.6	8.2	12.2

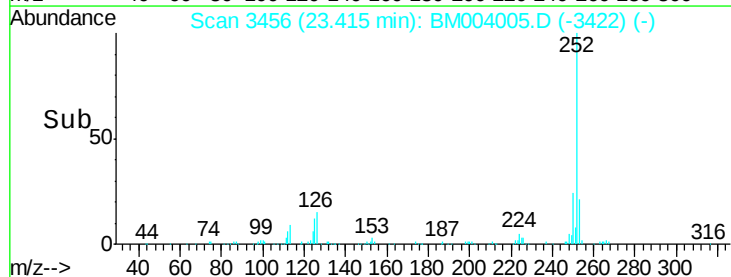
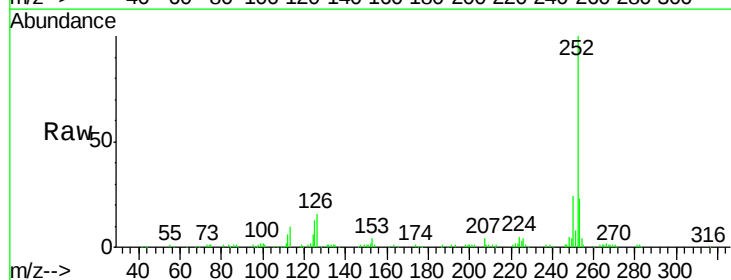
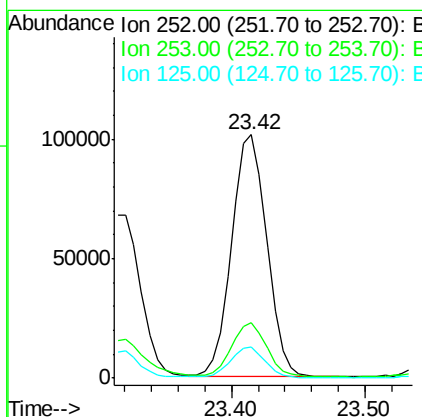
Manual Integrations
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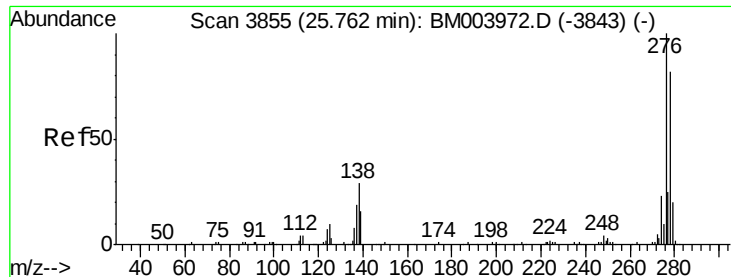
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#91
Benzo(a)pyrene
Concen: 15.46 ng/ul
RT: 23.42 min Scan# 3456
Delta R.T. 0.00 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	12.5	9.0	13.6





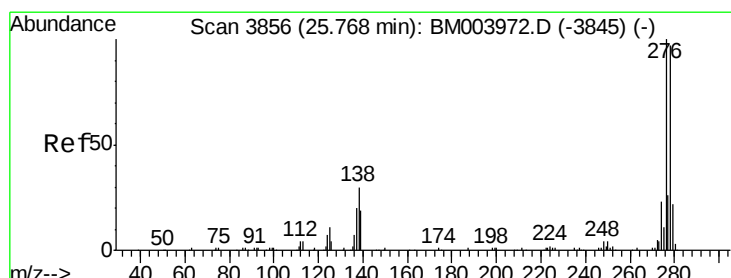
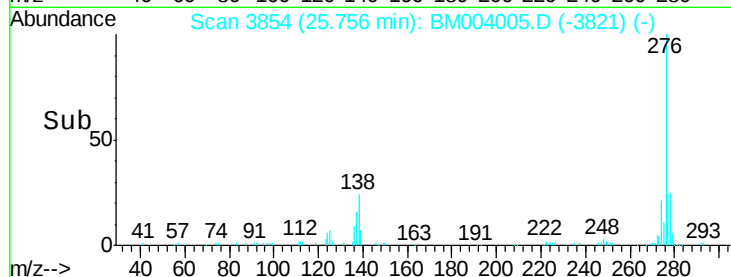
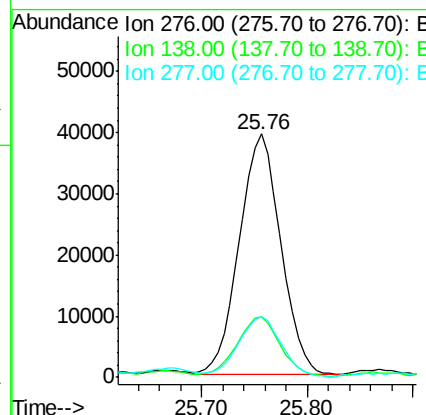
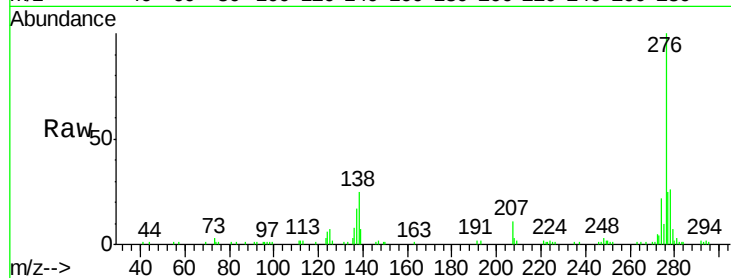
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 8.07 ng/ul
 RT: 25.76 min Scan# 3854
 Delta R.T. -0.01 min
 Lab File: BM004005.D
 Acq: 14 Jan 2016 04:03

Instrument :
 BNA_M
 ClientSampleId :
 BC9D5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	22.3	33.5
277	25.1	20.2	30.2

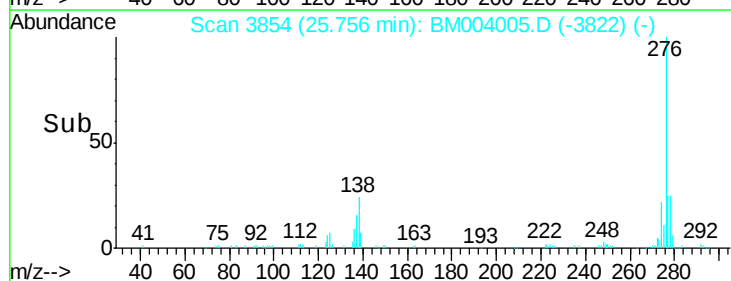
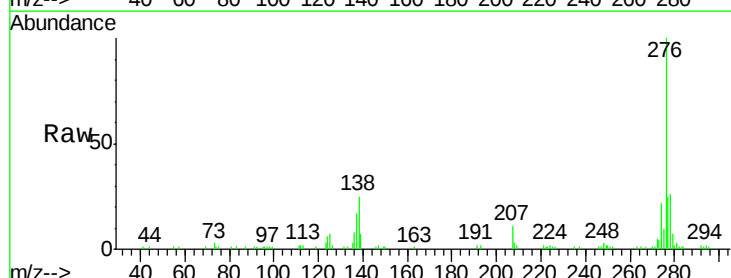
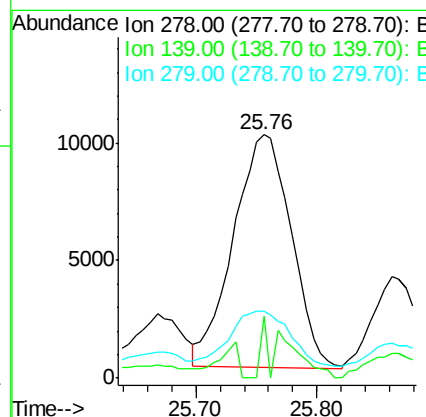
Manual Integrations
 APPROVED

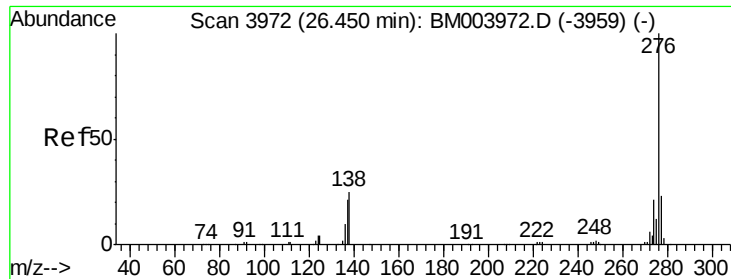
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#93
 Dibenzo(a,h)anthracene
 Concen: 2.93 ng/ul
 RT: 25.76 min Scan# 3854
 Delta R.T. -0.01 min
 Lab File: BM004005.D
 Acq: 14 Jan 2016 04:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.4	13.9	20.9#
279	27.2	19.0	28.4





#94
Benzo(g,h,i)perylene
Concen: 9.59 ng/ul
RT: 26.44 min Scan# 3971
Delta R.T. -0.01 min
Lab File: BM004005.D
Acq: 14 Jan 2016 04:03

Instrument :
BNA_M
ClientSampleId :
BC9D5

Tgt	Ion	276	Resp:	106955
	Ratio	100	Lower	Upper
	276	100		
	138	25.9	18.9	28.3
	277	23.8	19.2	28.8

Manual Integrations
APPROVED

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