

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004212.D
 Acq On : 08 Feb 2016 22:58
 Operator : SJ/IZ
 Sample : H1340-16DL 25X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C04P4DL

Manual Integrations
 APPROVED

Sohil
 2/9/2016 3:31:02 PM

Quant Time: Feb 09 02:44:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 01:37:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	30171	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	150448	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	92725	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	212928	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	246569	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	219542	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.84	99	2798	0.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	1407	0.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	2415	1.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	1949	0.77	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	888	0.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	886	0.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	2375	1.03	ng/ul	0.01
29) 4-Chloroaniline-d4	10.60	131	2123	0.73	ng/ul	0.01
44) Dimethylphthalate-d6	13.72	166	9422	1.18	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	11351	1.22	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.31	176	9762	1.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.17	188	14757	1.42	ng/ul	0.00
79) Pyrene-d10	19.47	212	17069	1.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	17093	1.49	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.49	128	20370	2.40	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	6952	1.09	ng/ul	95
50) Acenaphthene	14.38	153	65781	9.46	ng/ul	97
54) Dibenzofuran	14.72	168	37708	3.82	ng/ul	99
59) Fluorene	15.37	166	50332	6.13	ng/ul	99
70) Phenanthrene	17.11	178	548411	42.20	ng/ul	99
72) Anthracene	17.20	178	150267	11.40	ng/ul	99
75) Carbazole	17.47	167	67322	5.61	ng/ul	99
77) Fluoranthene	19.14	202	813095	53.76	ng/ul	100
80) Pyrene	19.51	202	686068	45.25	ng/ul	98
83) Benzo(a)anthracene	21.26	228	420353	26.78	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	87899	9.05	ng/ul	99
85) Chrysene	21.32	228	387112	25.94	ng/ul	98
88) Benzo(b)fluoranthene	22.84	252	461245	32.91	ng/ul	99
89) Benzo(k)fluoranthene	22.88	252	140364m	10.75	ng/ul	
91) Benzo(a)pyrene	23.42	252	288714	21.33	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.76	276	153865	9.52	ng/ul#	93
93) Dibenzo(a,h)anthracene	25.76	278	43642m	3.24	ng/ul	
94) Benzo(g,h,i)perylene	26.45	276	108829	7.90	ng/ul	99

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

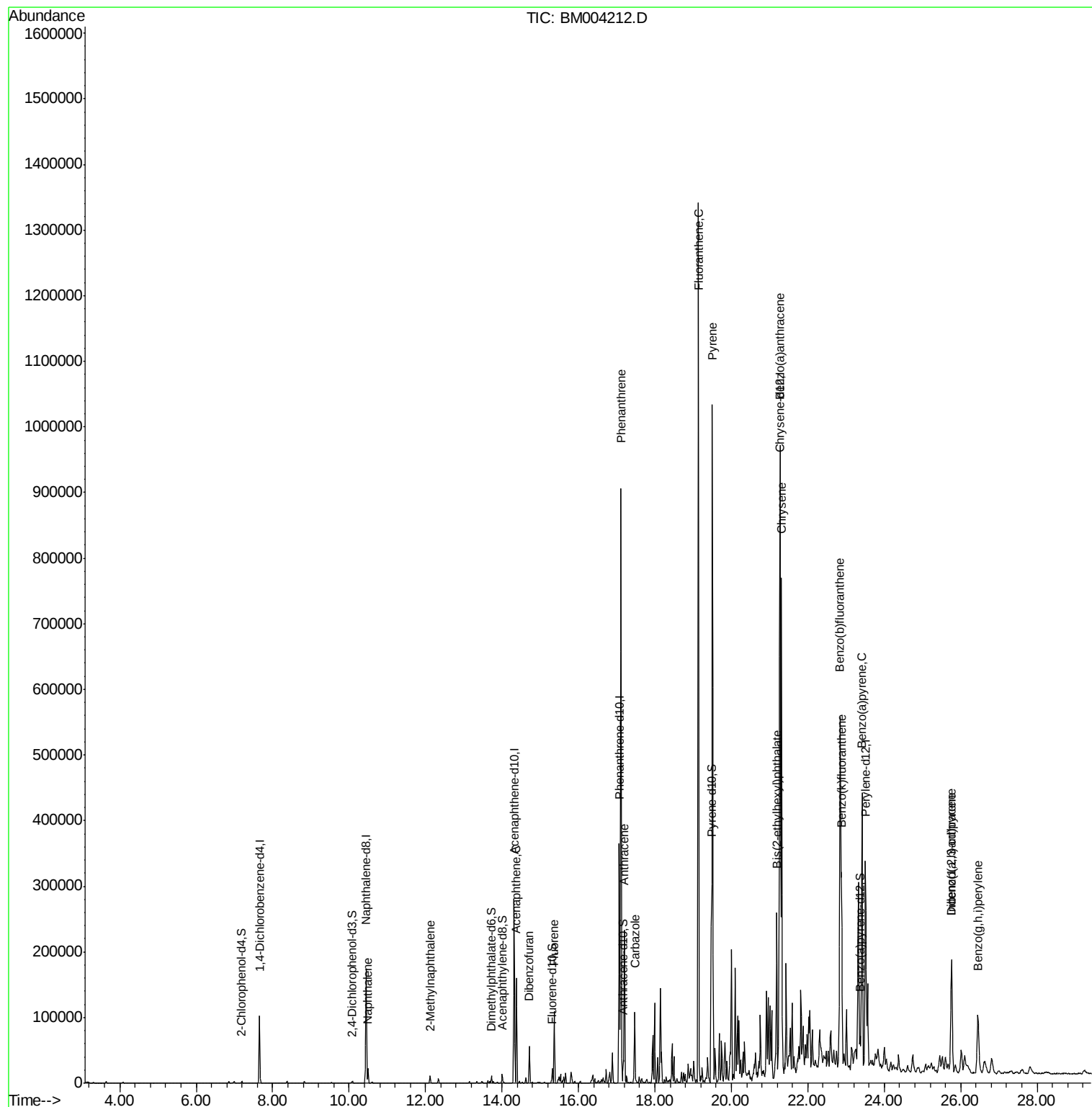
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004212.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

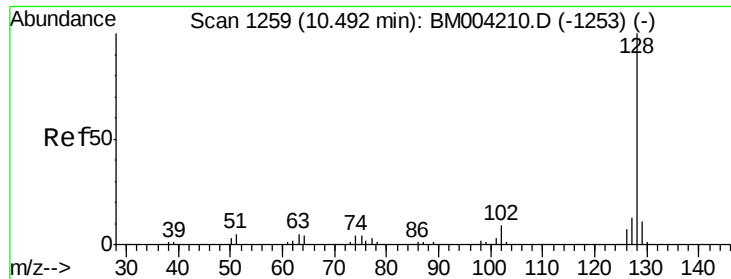
Instrument :
BNA_M
ClientSampleID :
C04P4DL

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION
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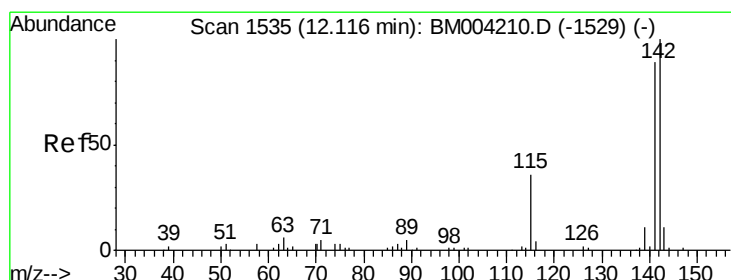
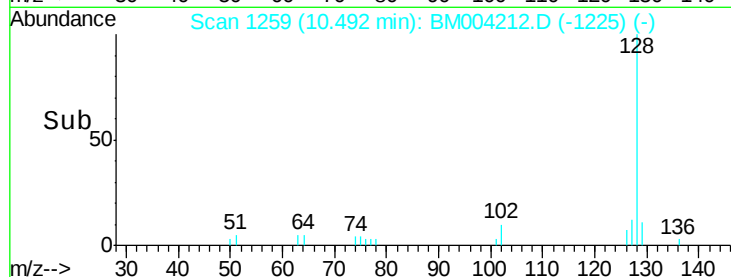
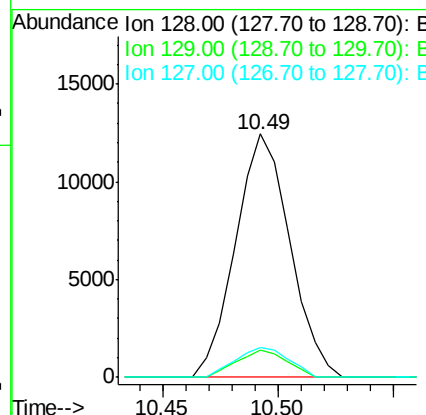
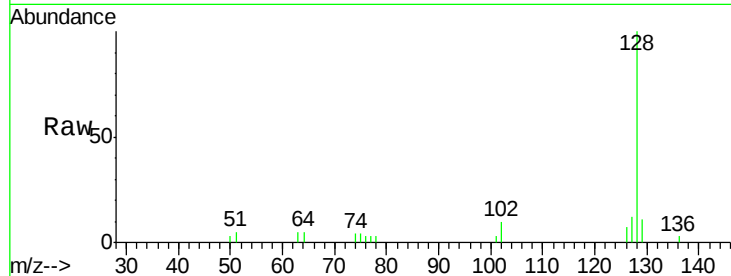
#28
Naphthalene
Concen: 2.40 ng/ul
RT: 10.49 min Scan# 1259
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Instrument :
BNA_M
ClientSampleId :
C04P4DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.2	10.5	15.7

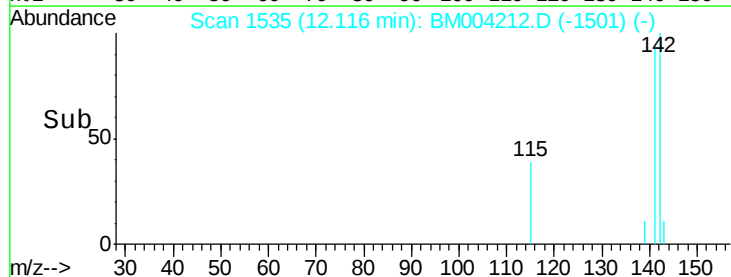
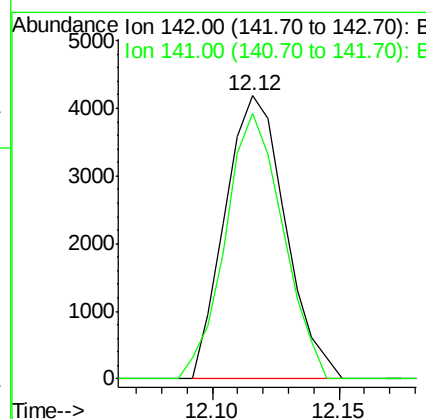
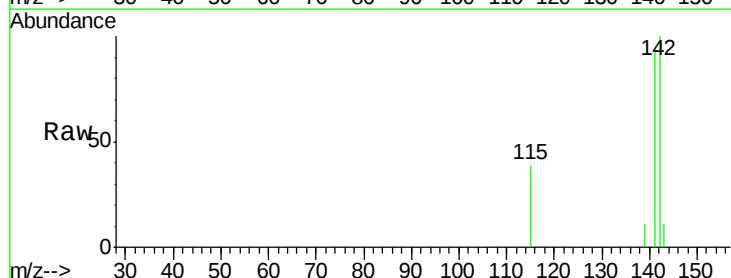
Manual Integrations
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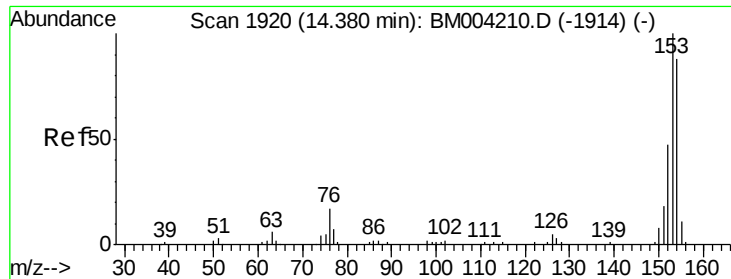
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#34
2-Methylnaphthalene
Concen: 1.09 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	71.6	107.4





#50

Acenaphthene

Concen: 9.46 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM004212.D

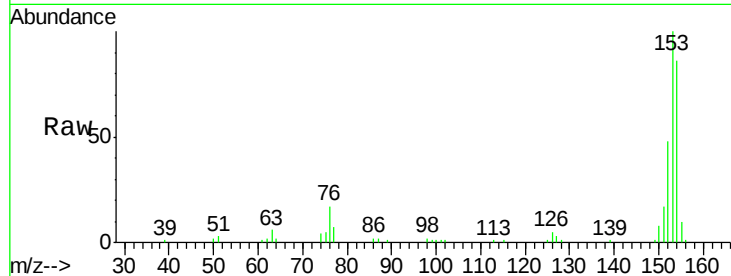
Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

ClientSampleId :

C04P4DL



Tgt Ion:153 Resp: 65781

Ion Ratio Lower Upper

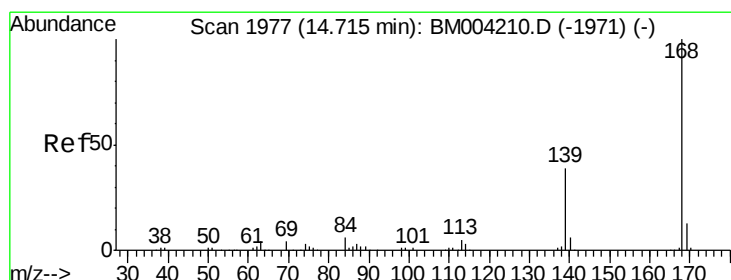
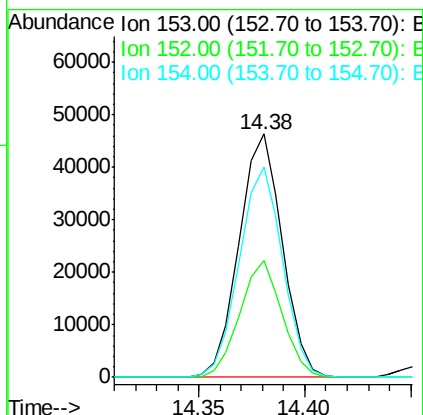
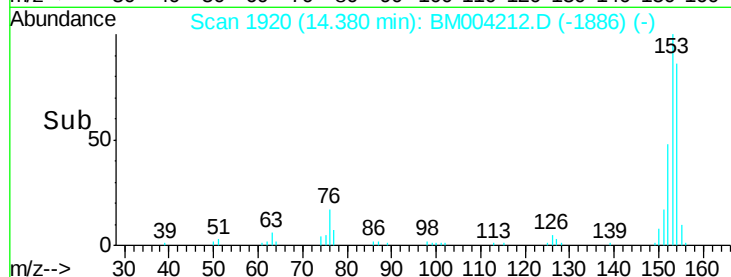
153 100

152 48.0 38.3 57.5

154 86.2 71.8 107.8

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#54

Dibenzofuran

Concen: 3.82 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM004212.D

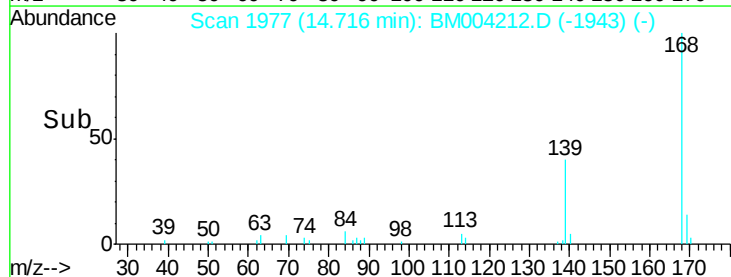
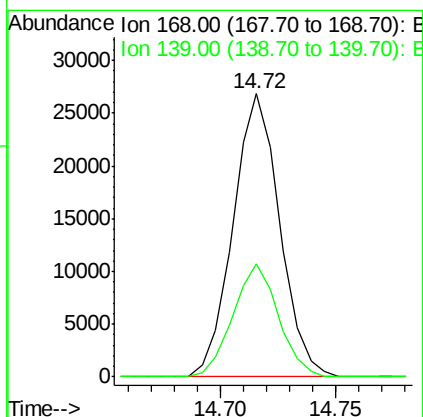
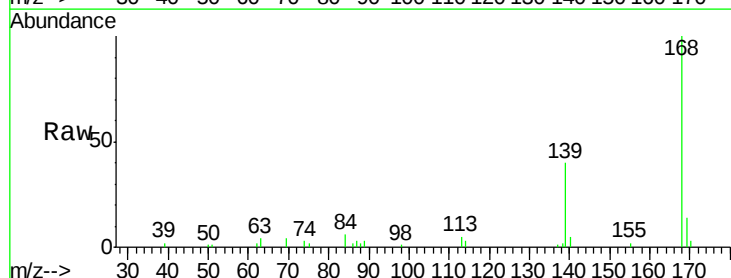
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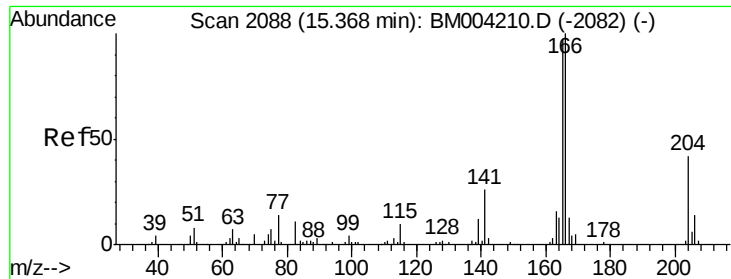
Tgt Ion:168 Resp: 37708

Ion Ratio Lower Upper

168 100

139 39.8 32.2 48.2





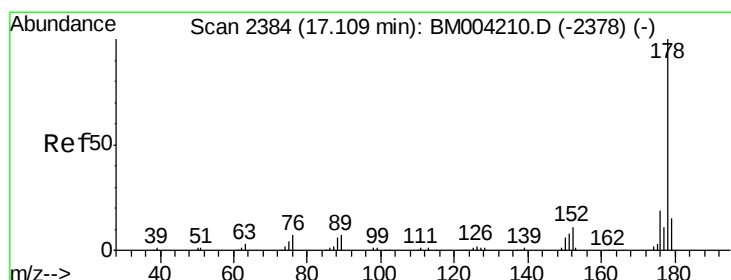
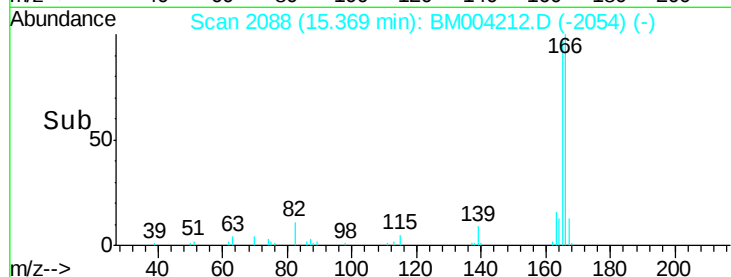
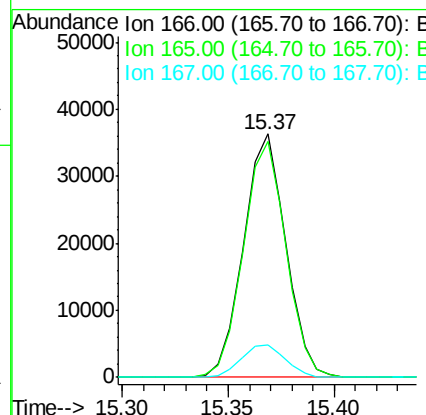
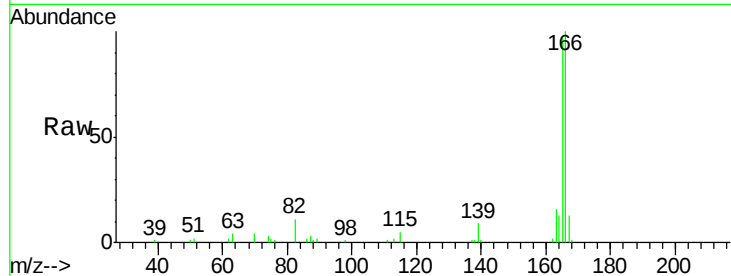
#59
Fluorene
 Concen: 6.13 ng/ul
 RT: 15.37 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: BM004212.D
 Acq: 08 Feb 2016 22:58

Instrument :
 BNA_M
 ClientSampleId :
 C04P4DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.5	117.7
167	13.5	10.7	16.1

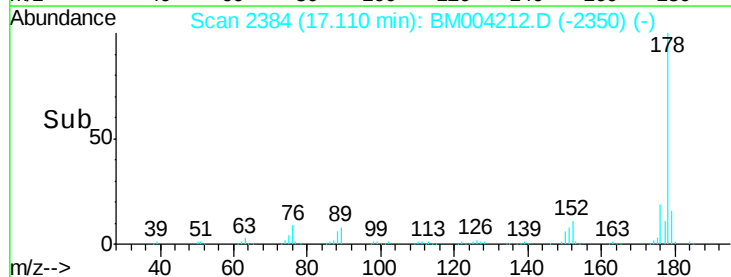
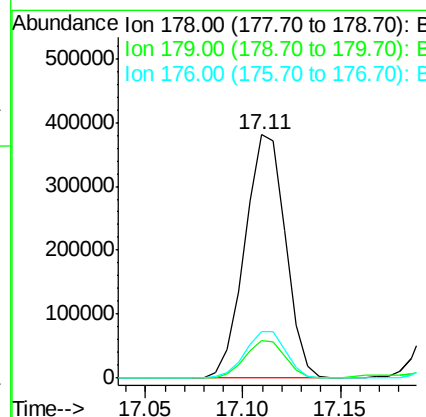
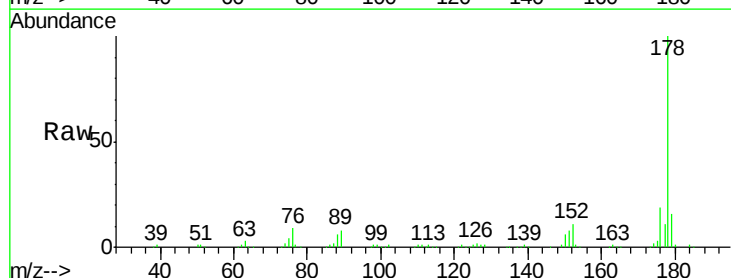
Manual Integrations
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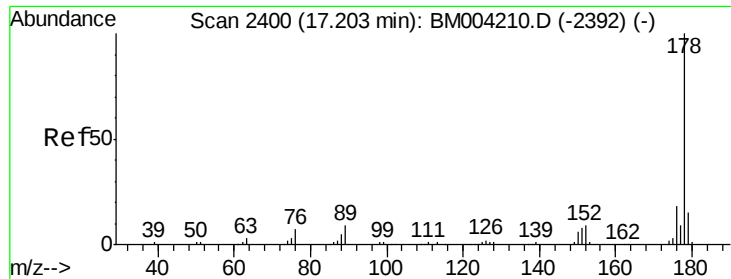
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#70
Phenanthrene
 Concen: 42.20 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. 0.00 min
 Lab File: BM004212.D
 Acq: 08 Feb 2016 22:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.4
176	19.2	15.6	23.4





#72

Anthracene

Concen: 11.40 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

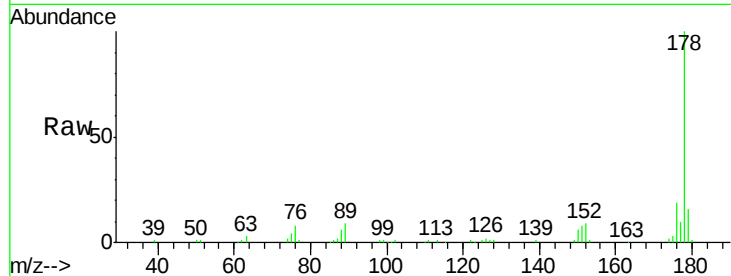
ClientSampled :

C04P4DL

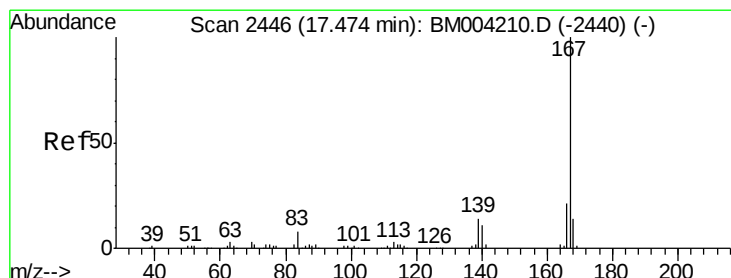
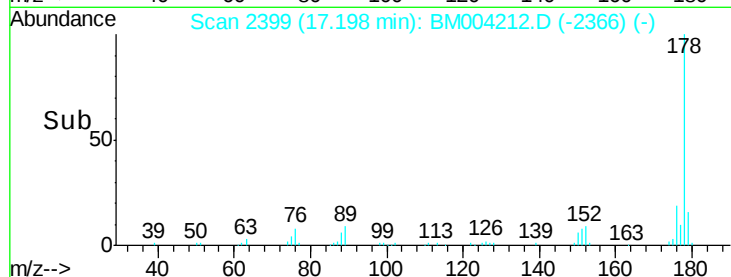
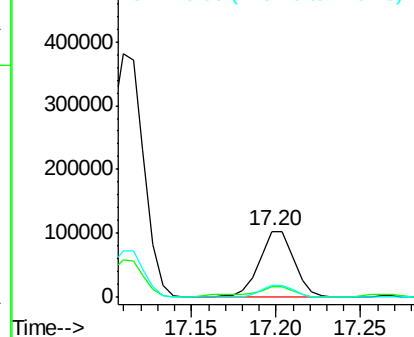
Tgt Ion:	178	Resp:	150267
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.1	18.1
176	18.7	14.8	22.2

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: 5.61 ng/ul

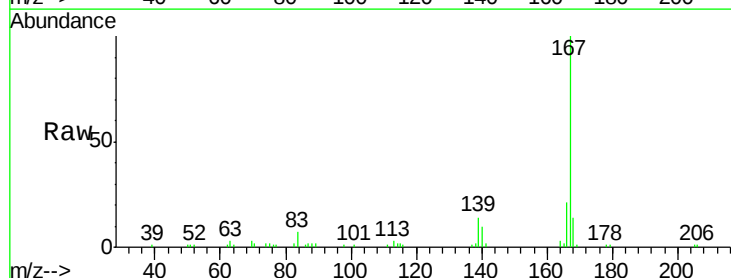
RT: 17.47 min Scan# 2446

Delta R.T. 0.00 min

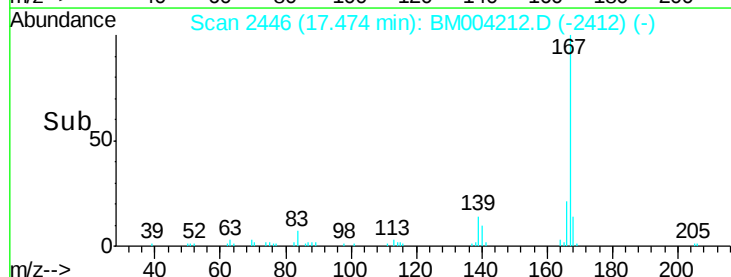
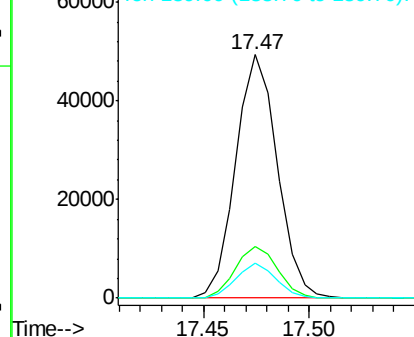
Lab File: BM004212.D

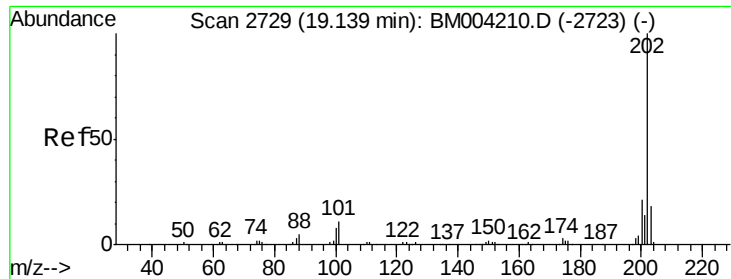
Acq: 08 Feb 2016 22:58

Tgt Ion:	167	Resp:	67322
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.0	25.6
139	14.1	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: 53.76 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. 0.00 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Instrument :

BNA_M

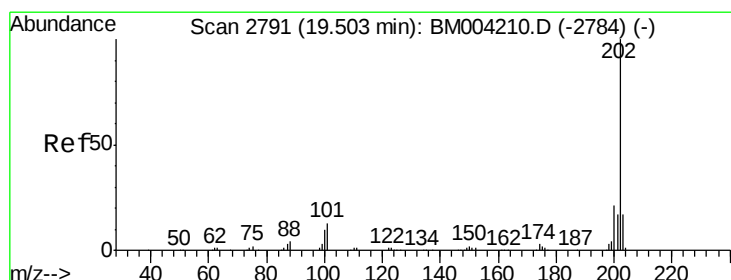
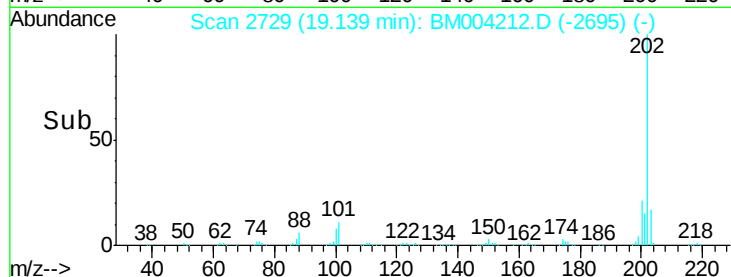
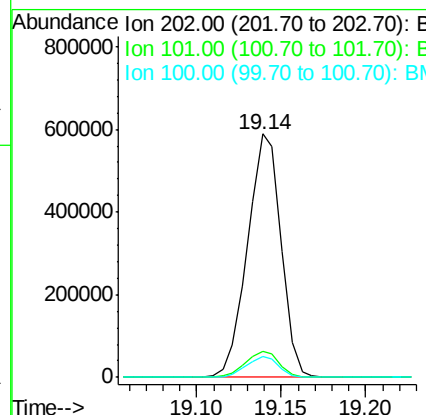
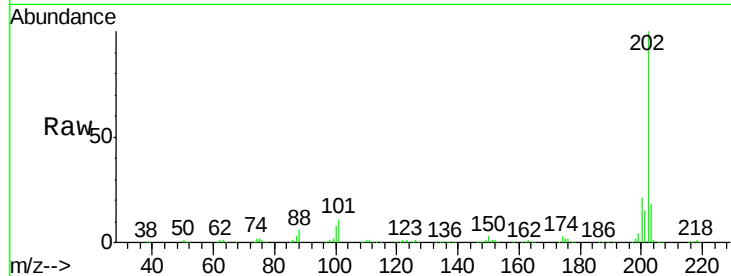
ClientSampleId :

C04P4DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		813095		
101	10.9	8.8	13.2		
100	8.3	6.6	9.8		

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#80

Pyrene

Concen: 45.25 ng/ul

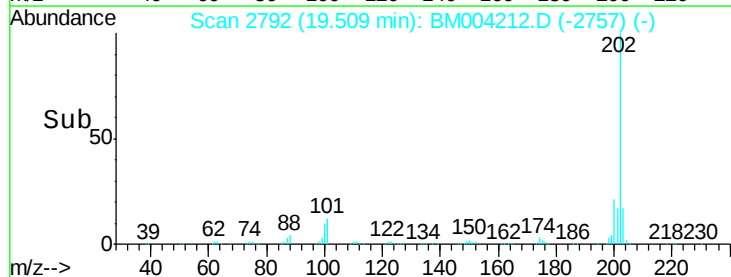
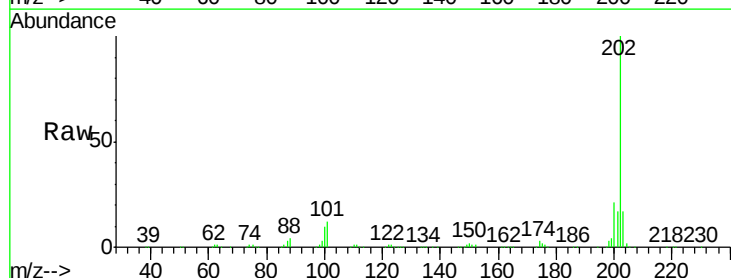
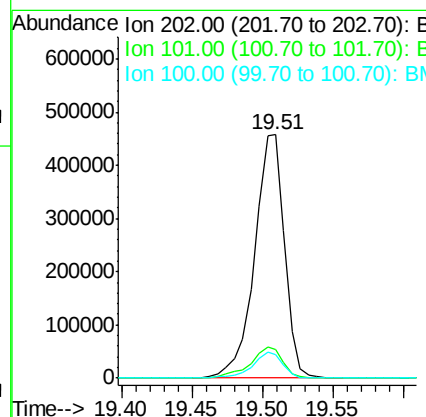
RT: 19.51 min Scan# 2792

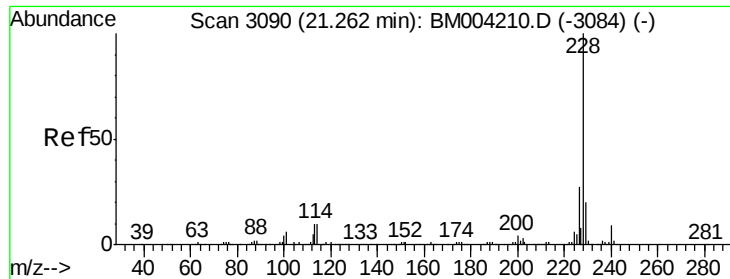
Delta R.T. 0.01 min

Lab File: BM004212.D

Acq: 08 Feb 2016 22:58

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		686068		
101	11.9	10.2	15.2		
100	9.8	8.5	12.7		





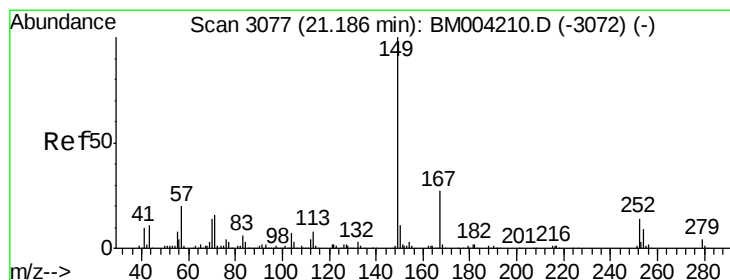
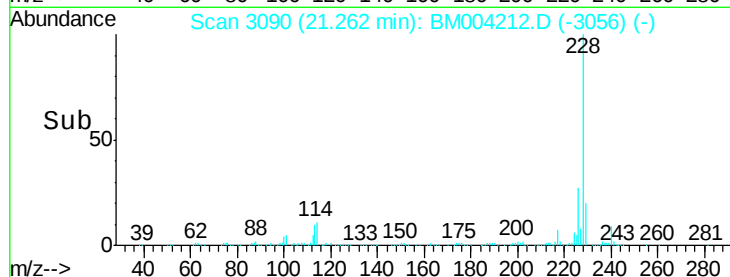
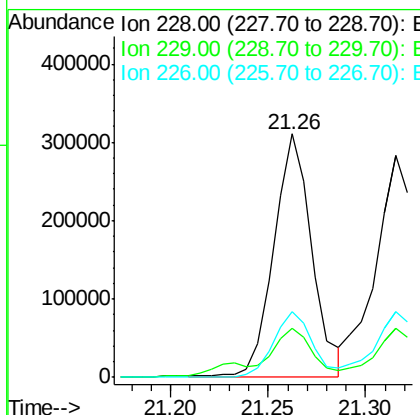
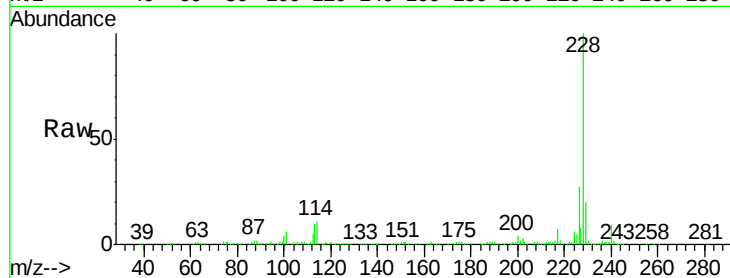
#83
Benzo(a)anthracene
Concen: 26.78 ng/u1
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Instrument :
BNA_M
ClientSampleId :
C04P4DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	420353		
229	20.4	15.7	23.5	
226	27.2	21.8	32.6	

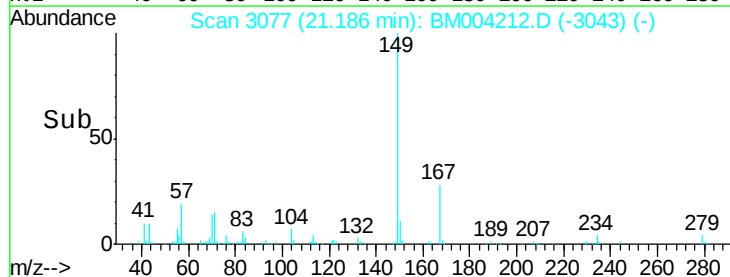
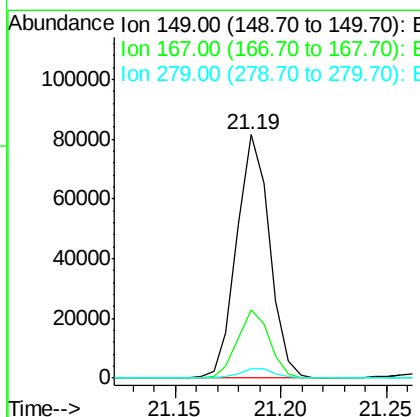
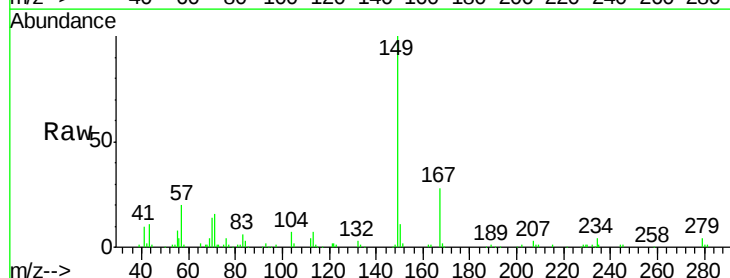
Manual Integrations
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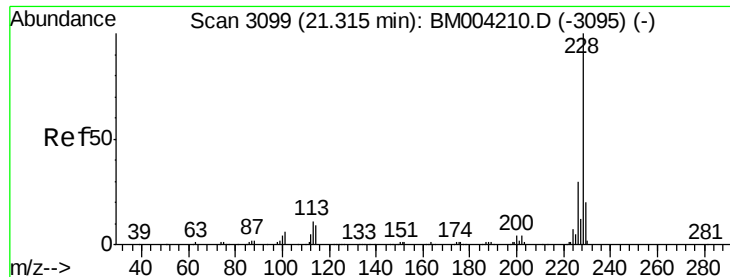
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#84
Bis(2-ethylhexyl)phthalate
Concen: 9.05 ng/u1
RT: 21.19 min Scan# 3077
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	87899		
167	27.8	21.6	32.4	
279	3.7	3.0	4.4	





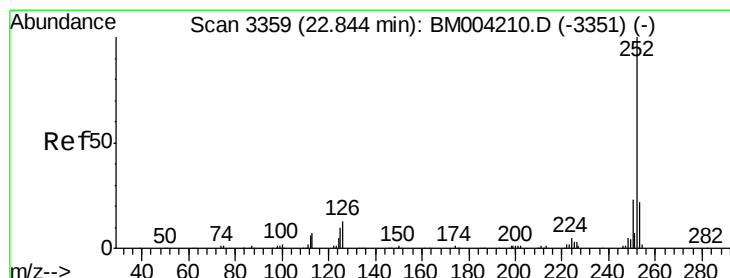
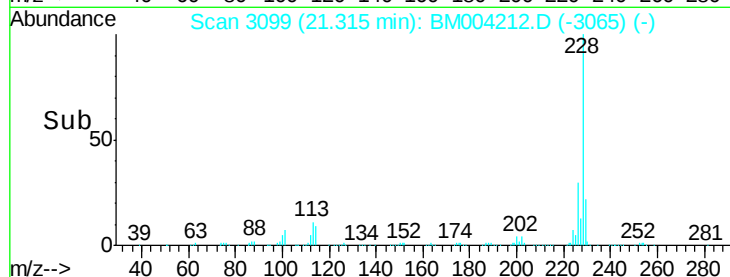
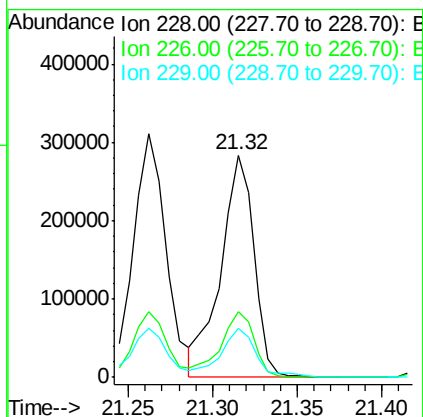
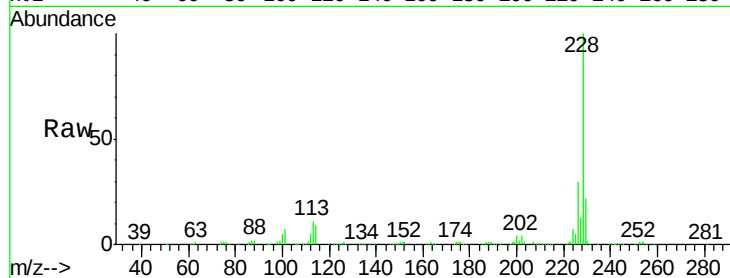
#85
Chrysene
Concen: 25.94 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Instrument :
BNA_M
ClientSampleId :
C04P4DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	387112		
226	29.8	24.0	36.0	
229	22.1	15.6	23.4	

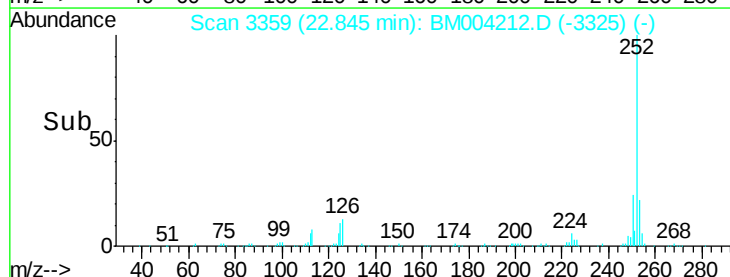
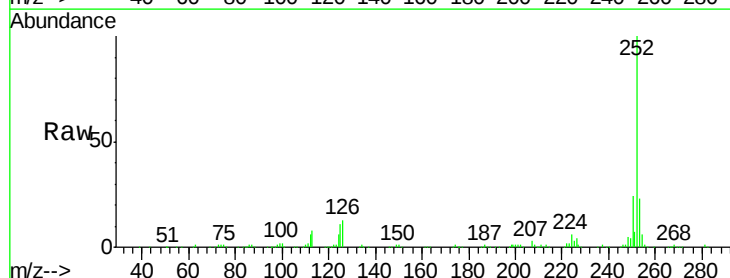
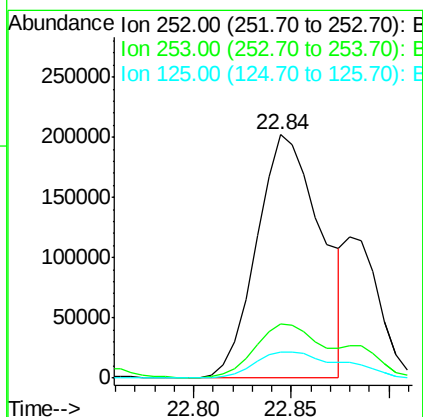
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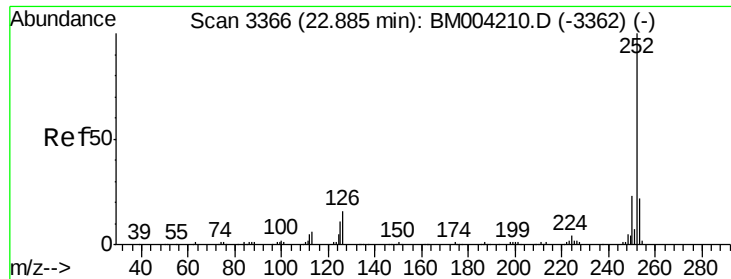
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#88
Benzo(b)fluoranthene
Concen: 32.91 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	461245		
253	22.5	17.5	26.3	
125	10.5	8.5	12.7	





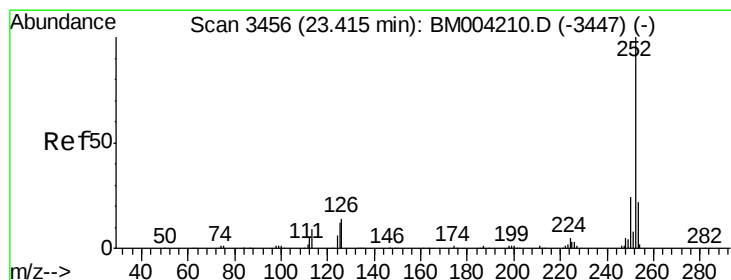
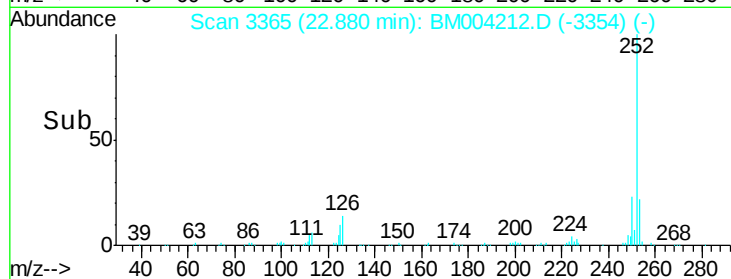
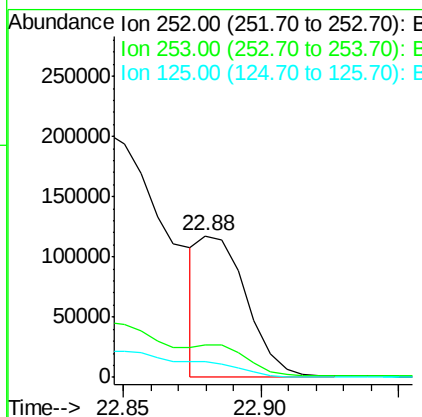
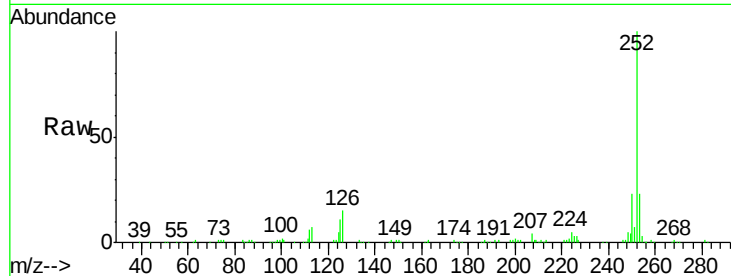
#89
Benzo(k)fluoranthene
Concen: 10.75 ng/ul m
RT: 22.88 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Instrument :
BNA_M
ClientSampled :
C04P4DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	10.9	8.2	12.2

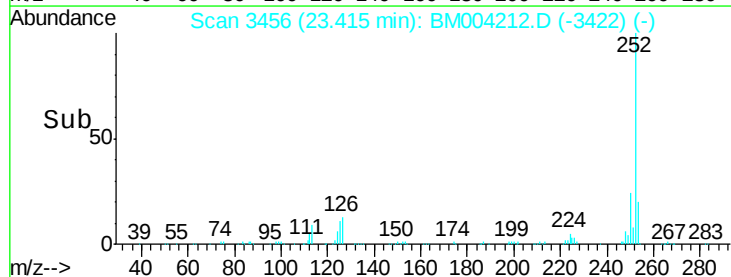
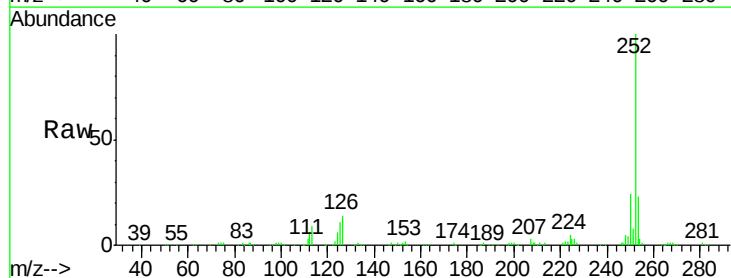
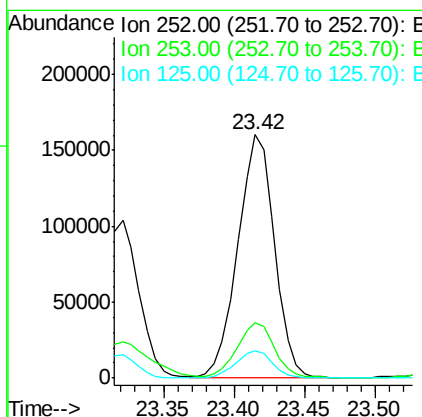
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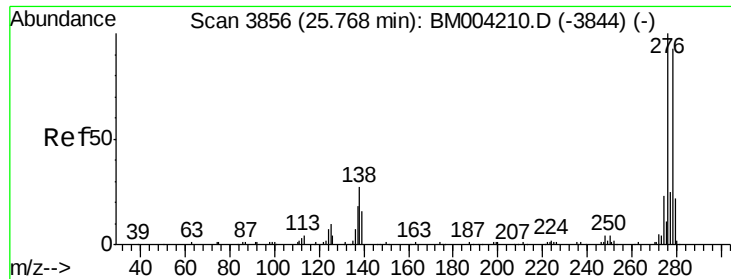
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#91
Benzo(a)pyrene
Concen: 21.33 ng/ul
RT: 23.42 min Scan# 3456
Delta R.T. 0.00 min
Lab File: BM004212.D
Acq: 08 Feb 2016 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.3	9.0	13.6





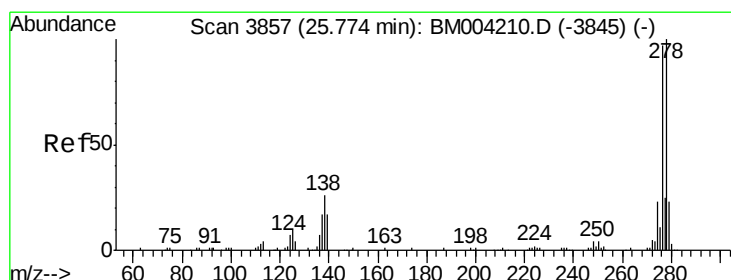
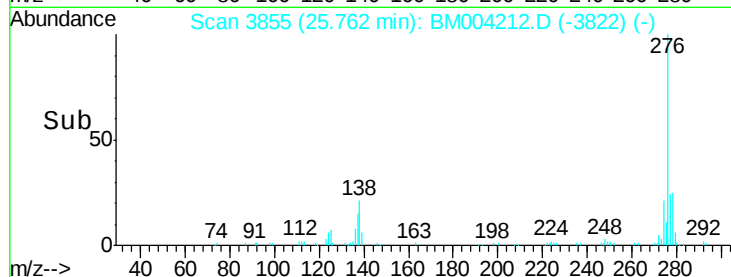
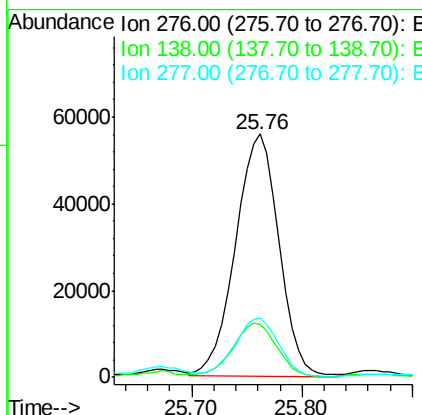
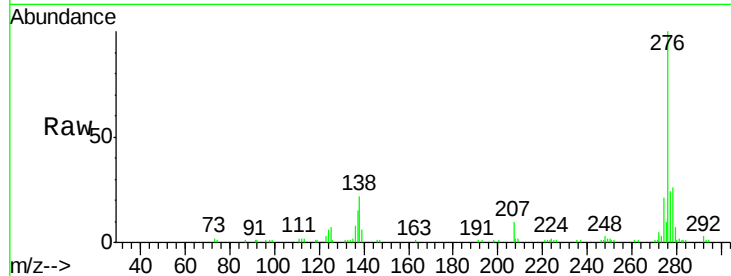
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 9.52 ng/ul
 RT: 25.76 min Scan# 3855
 Delta R.T. -0.01 min
 Lab File: BM004212.D
 Acq: 08 Feb 2016 22:58

Instrument :
 BNA_M
 ClientSampleId :
 C04P4DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	153865		
138	21.5	22.3	33.5#	
277	24.3	20.2	30.2	

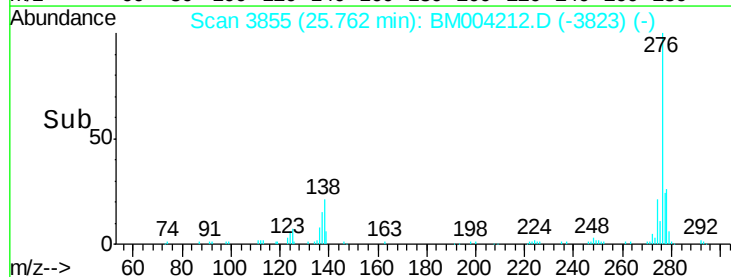
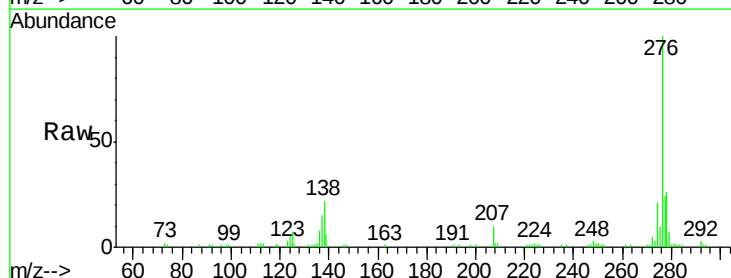
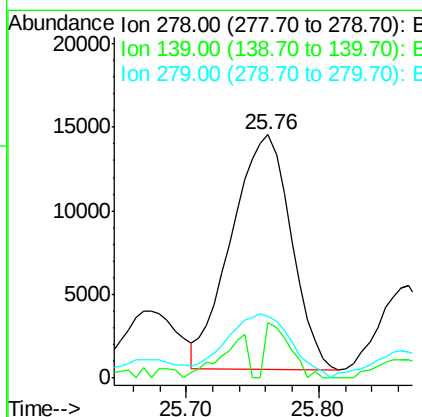
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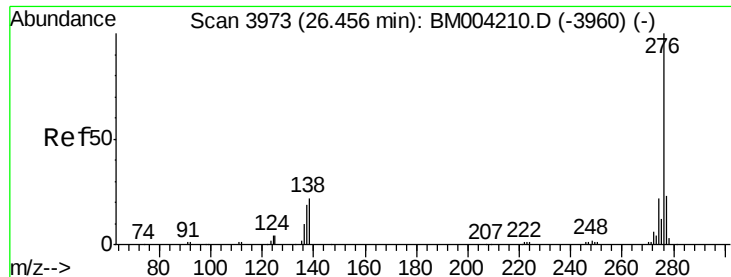
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#93
 Dibenzo(a,h)anthracene
 Concen: 3.24 ng/ul m
 RT: 25.76 min Scan# 3855
 Delta R.T. -0.01 min
 Lab File: BM004212.D
 Acq: 08 Feb 2016 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	43642		
139	22.6	13.9	20.9#	
279	25.3	19.0	28.4	





#94
 Benzo(g,h,i)perylene
 Concen: 7.90 ng/ul
 RT: 26.45 min Scan# 3972
 Delta R.T. -0.01 min
 Lab File: BM004212.D
 Acq: 08 Feb 2016 22:58

Instrument :
 BNA_M
 ClientSampleId :
 C04P4DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.9	28.3
277	24.2	19.2	28.8

Manual Integrations
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