

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004202.D
 Acq On : 08 Feb 2016 16:23
 Operator : SJ/IZ
 Sample : H1340-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04J6

Manual Integrations
 APPROVED

Sohil
 2/9/2016 3:30:42 PM

Quant Time: Feb 09 00:56:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 00:07:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	26081	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	129917	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	79406	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	183667	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	218866	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	197766	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	1967	3.99	ng/uL	0.00
5) Phenol-d5	6.83	99	49805	19.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	27507	20.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	43895	22.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	22172	10.16	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	22356	23.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	24235	22.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	42974	21.64	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	43359	17.15	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	150196	21.99	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	181769	22.85	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	20026	14.65	ng/ul	0.00
58) Fluorene-d10	15.31	176	134574	22.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	15396	13.60	ng/ul	0.00
71) Anthracene-d10	17.17	188	211890	23.71	ng/ul	0.00
79) Pyrene-d10	19.47	212	252328	25.73	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	257199	24.94	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	82851	11.51	ng/ul	100
50) Acenaphthene	14.38	153	23771	3.99	ng/ul	98
54) Dibenzofuran	14.72	168	14769	1.75	ng/ul	100
59) Fluorene	15.37	166	20113	2.86	ng/ul	98
70) Phenanthrene	17.11	178	335338	29.92	ng/ul	100
72) Anthracene	17.20	178	76997	6.77	ng/ul	99
75) Carbazole	17.47	167	36895	3.57	ng/ul	100
77) Fluoranthene	19.14	202	564316	43.25	ng/ul	99
80) Pyrene	19.51	202	491482	36.52	ng/ul	99
83) Benzo(a)anthracene	21.27	228	282033	20.24	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	51564	5.98	ng/ul	98
85) Chrysene	21.31	228	274140	20.69	ng/ul	98
88) Benzo(b)fluoranthene	22.85	252	359350	28.46	ng/ul	98
89) Benzo(k)fluoranthene	22.89	252	100044m	8.51	ng/ul	
91) Benzo(a)pyrene	23.42	252	223227	18.30	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.77	276	131926	9.06	ng/ul	94
93) Dibenzo(a,h)anthracene	25.76	278	36282	2.99	ng/ul#	79
94) Benzo(g,h,i)perylene	26.46	276	99444	8.01	ng/ul	99

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

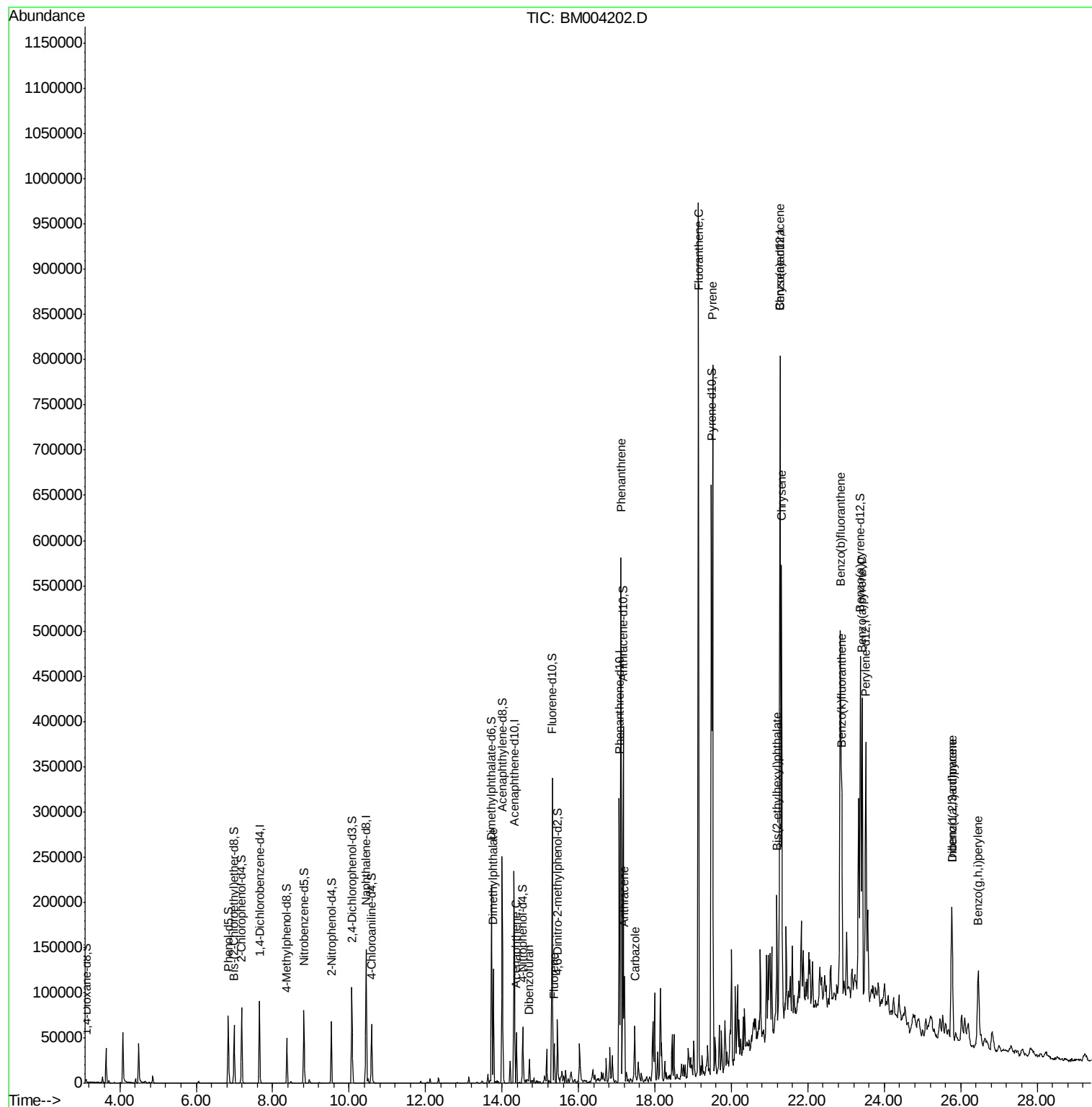
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004202.D
Acq On : 08 Feb 2016 16:23
Operator : SJ/IZ
Sample : H1340-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

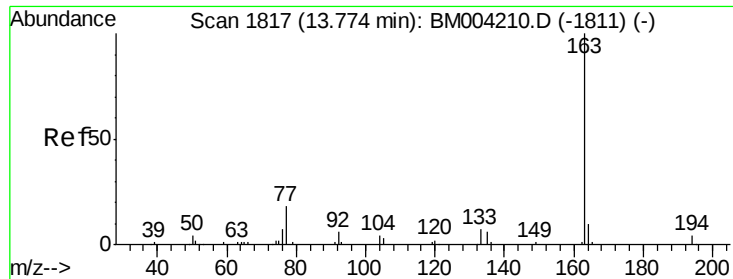
Instrument :
BNA_M
ClientSampleId :
C04J6

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION
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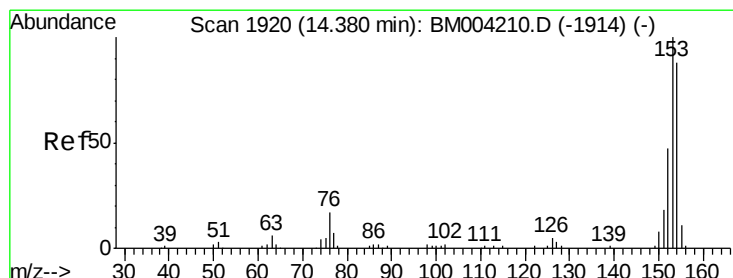
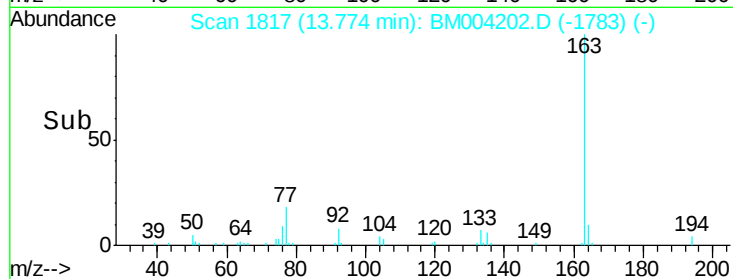
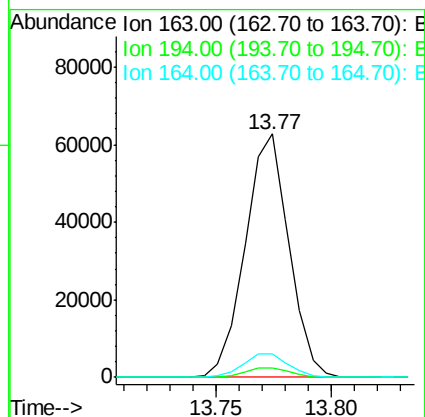
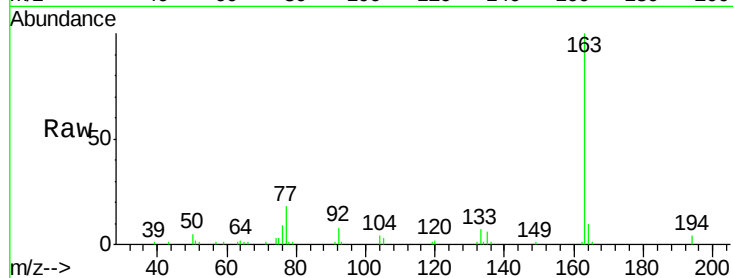
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Dimethylphthalate
Concen: 11.51 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BM004202.D
Acq: 08 Feb 2016 16:23

Instrument :
BNA_M
ClientSampleId :
C04J6

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.7	3.2	4.8
164	9.8	7.8	11.8

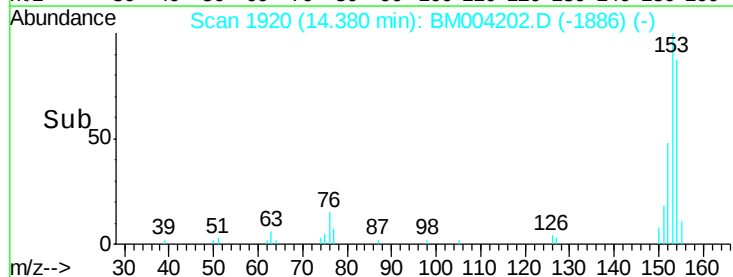
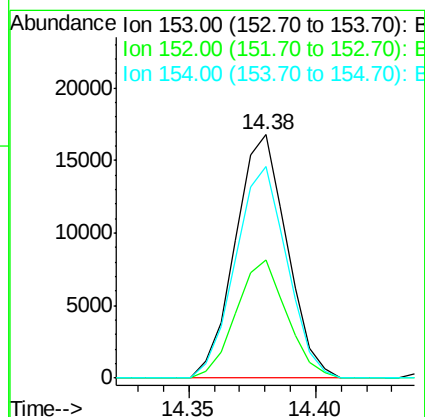
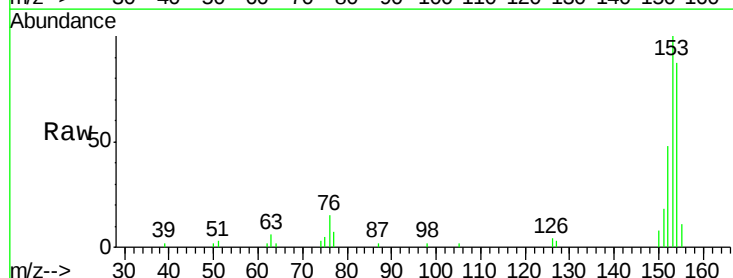
Manual Integrations
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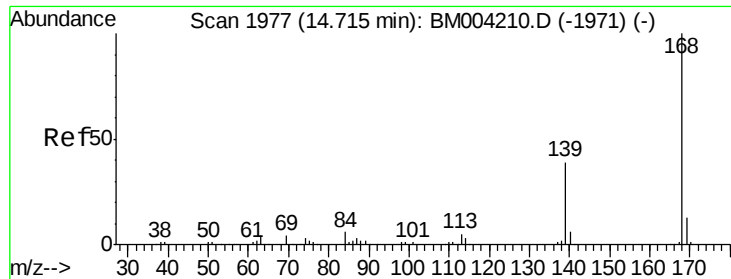
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#50
Acenaphthene
Concen: 3.99 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BM004202.D
Acq: 08 Feb 2016 16:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
153	100		
152	48.4	38.3	57.5
154	86.7	71.8	107.8





#54

Dibenzenofuran

Concen: 1.75 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM004202.D

Acq: 08 Feb 2016 16:23

Instrument :

BNA_M

ClientSampled :

C04J6

Tgt Ion:168 Resp: 14769

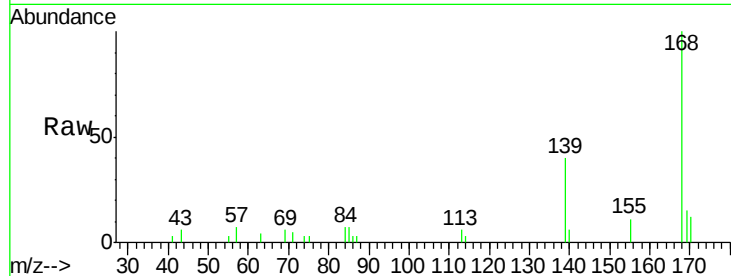
Ion Ratio Lower Upper

168 100

139 40.1 32.2 48.2

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

12000

10000

8000

6000

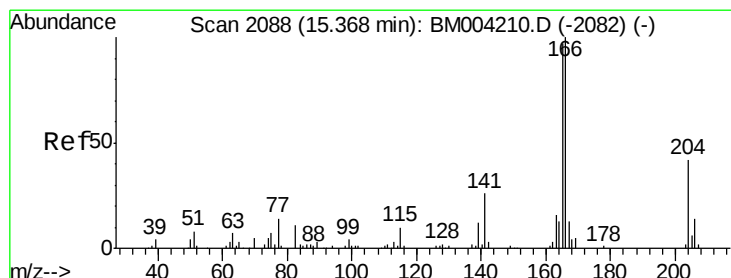
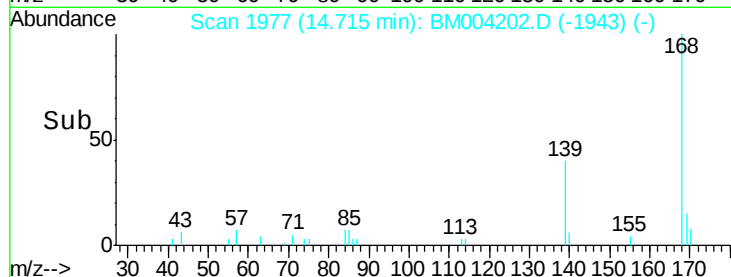
4000

2000

0

14.70 14.72 14.75

Time-->



#59

Fluorene

Concen: 2.86 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM004202.D

Acq: 08 Feb 2016 16:23

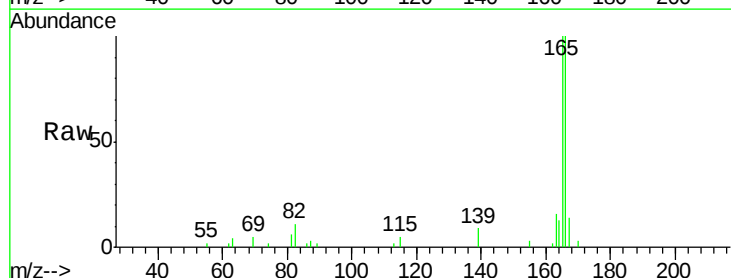
Tgt Ion:166 Resp: 20113

Ion Ratio Lower Upper

166 100

165 100.1 78.5 117.7

167 13.8 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

15000

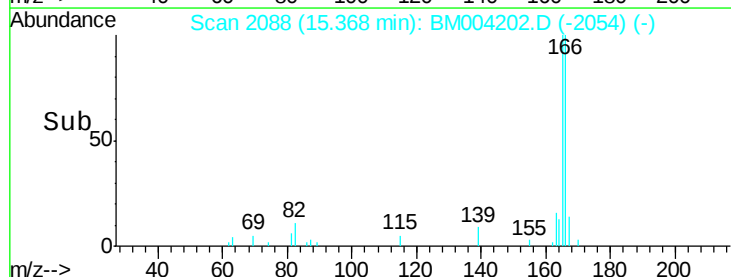
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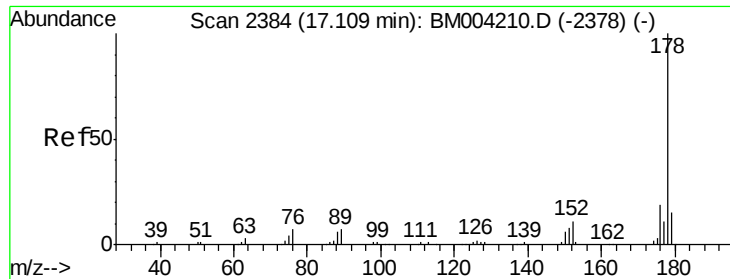
5000

0

15.35 15.37 15.40

Time-->





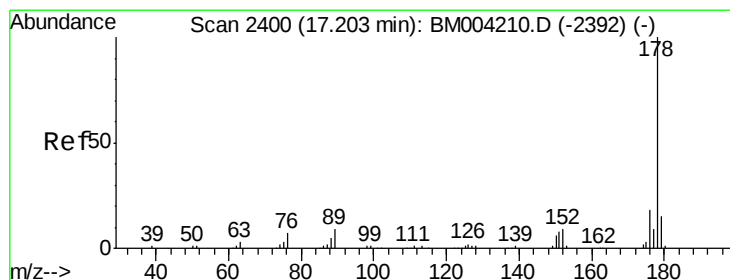
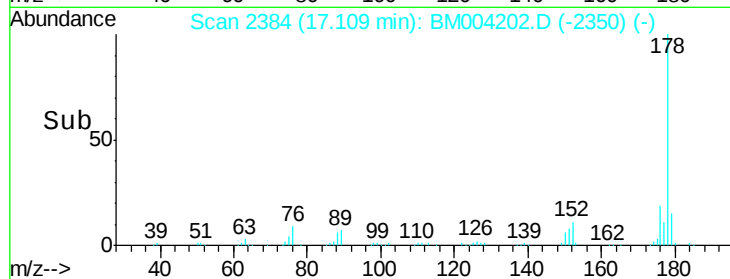
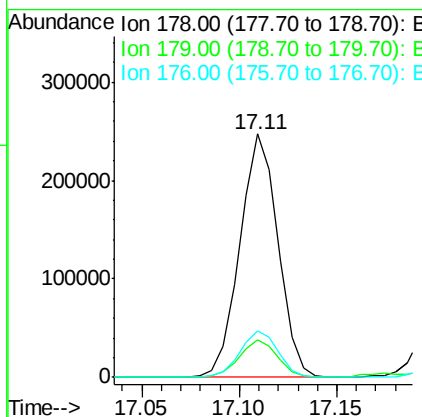
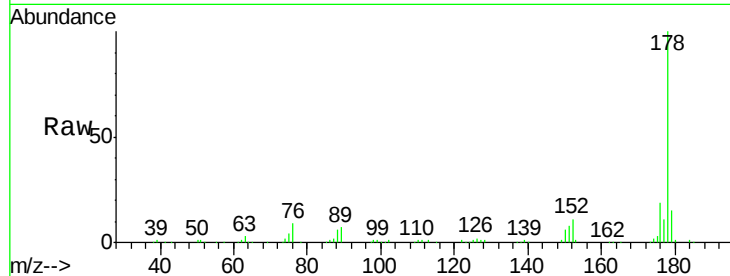
#70
 Phenanthrene
 Concen: 29.92 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. -0.00 min
 Lab File: BM004202.D
 Acq: 08 Feb 2016 16:23

Instrument :
 BNA_M
 ClientSampleId :
 C04J6

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.2	15.6	23.4

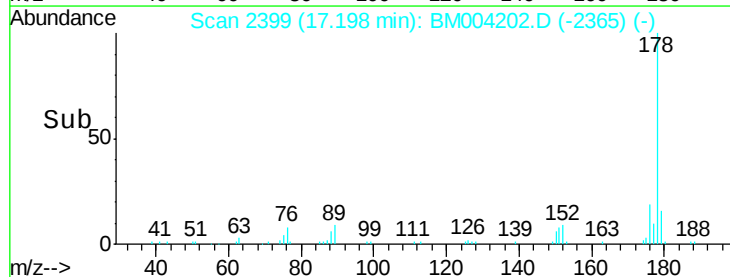
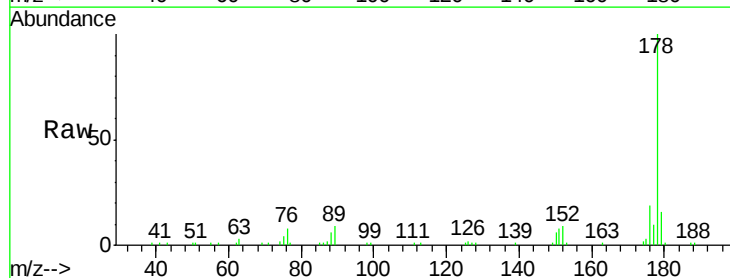
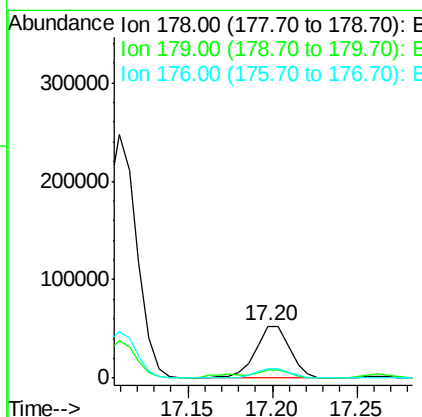
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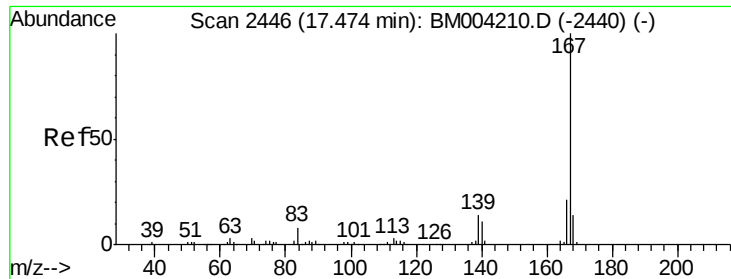
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#72
 Anthracene
 Concen: 6.77 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.00 min
 Lab File: BM004202.D
 Acq: 08 Feb 2016 16:23

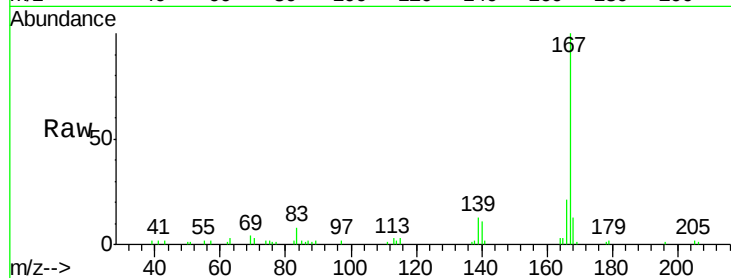
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	18.7	14.8	22.2





#75
 Carbazole
 Concen: 3.57 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM004202.D
 Acq: 08 Feb 2016 16:23

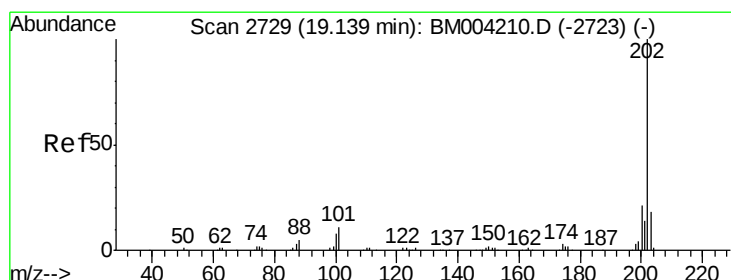
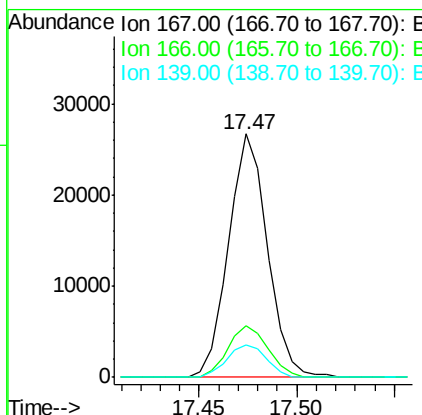
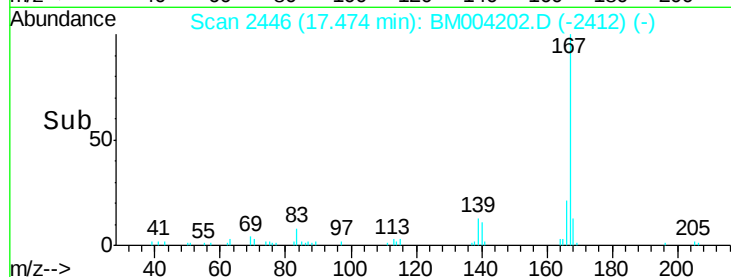
Instrument :
 BNA_M
 ClientSampled :
 C04J6



Tgt Ion	Ratio	Resp	Lower	Upper
167	100	36895		
166	21.4		17.0	25.6
139	13.3		11.0	16.4

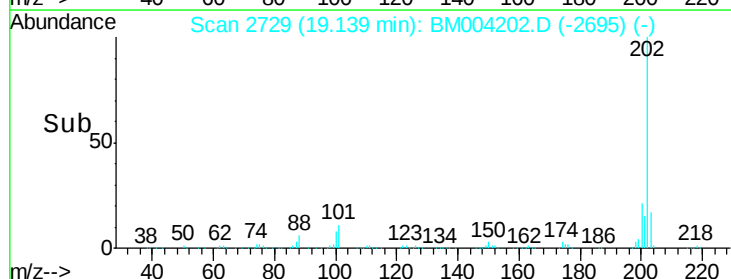
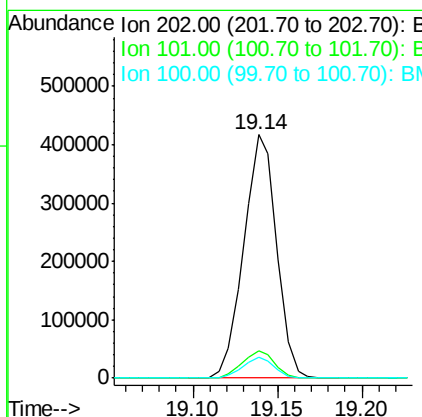
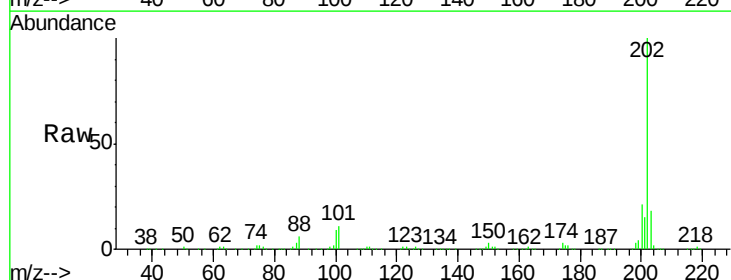
Manual Integrations
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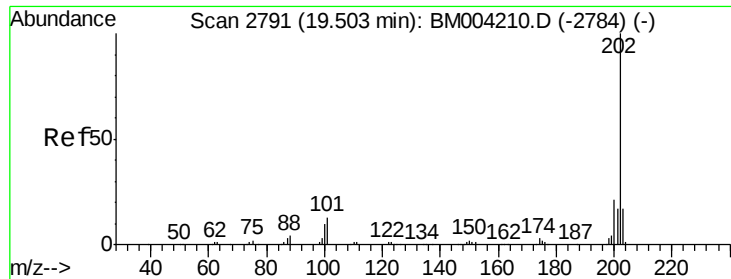
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#77
 Fluoranthene
 Concen: 43.25 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: BM004202.D
 Acq: 08 Feb 2016 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	564316		
101	11.1		8.8	13.2
100	8.5		6.6	9.8





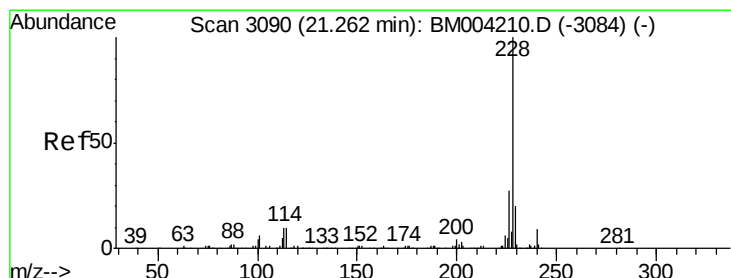
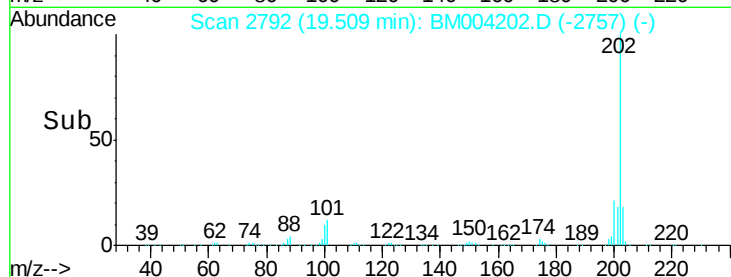
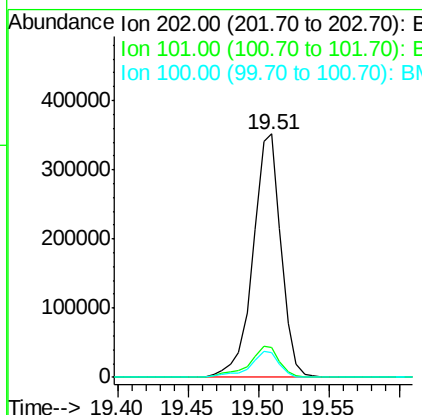
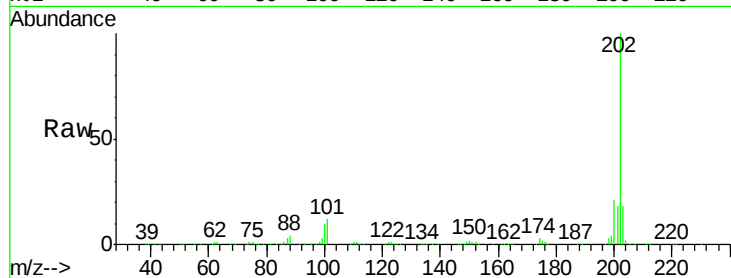
#80
 Pyrene
 Concen: 36.52 ng/ul
 RT: 19.51 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: BM004202.D
 Acq: 08 Feb 2016 16:23

Instrument :
 BNA_M
 ClientSampleId :
 C04J6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.3	10.2	15.2
100	9.9	8.5	12.7

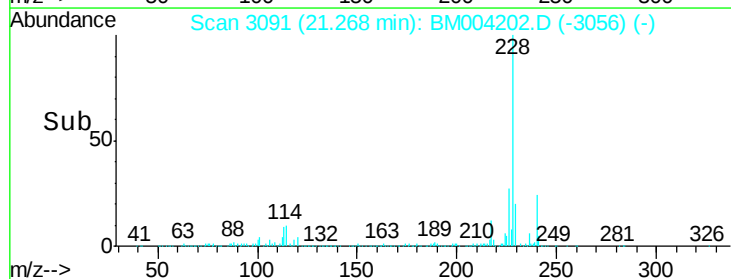
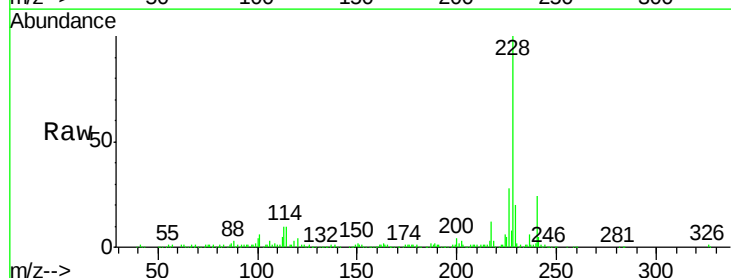
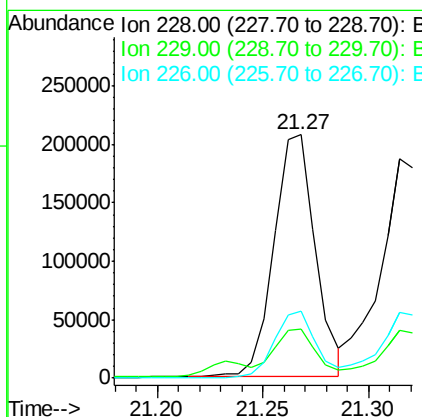
Manual Integrations
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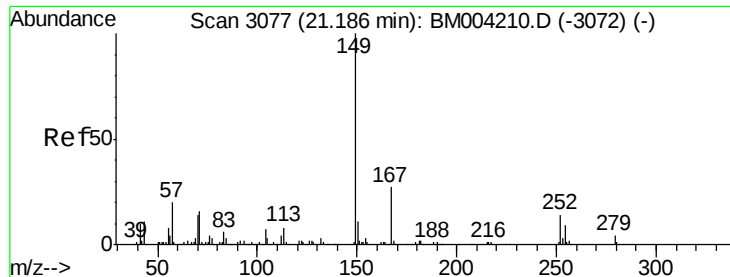
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#83
 Benzo(a)anthracene
 Concen: 20.24 ng/ul
 RT: 21.27 min Scan# 3091
 Delta R.T. 0.01 min
 Lab File: BM004202.D
 Acq: 08 Feb 2016 16:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.4	15.7	23.5
226	27.6	21.8	32.6





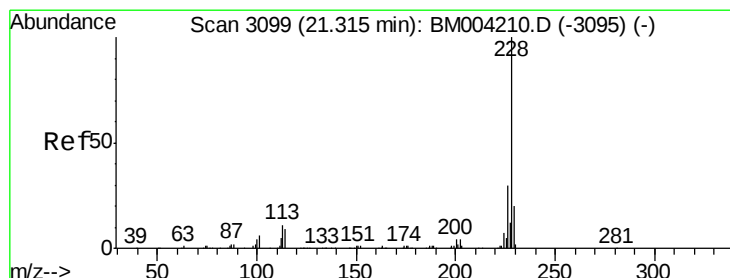
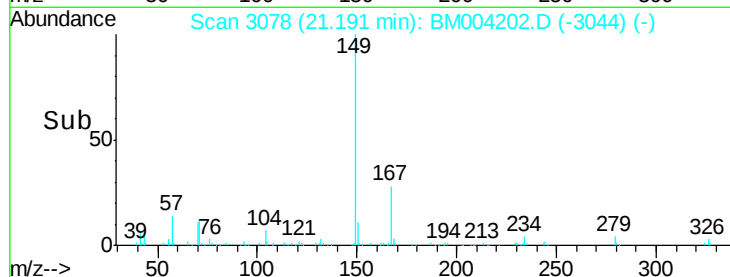
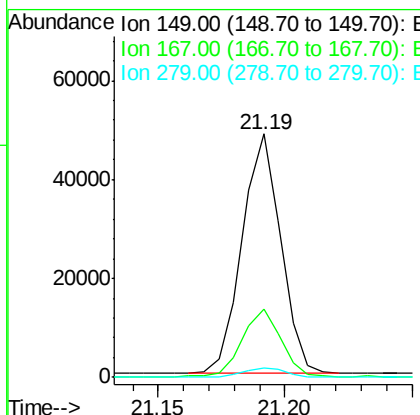
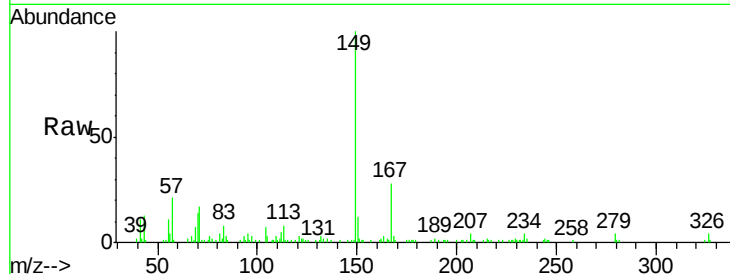
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.98 ng/ul
 RT: 21.19 min Scan# 3078
 Delta R.T. -0.00 min
 Lab File: BM004202.D
 Acq: 08 Feb 2016 16:23

Instrument :
 BNA_M
 ClientSampleId :
 C04J6

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	51564		
167	27.8	21.6	32.4	
279	3.9	3.0	4.4	

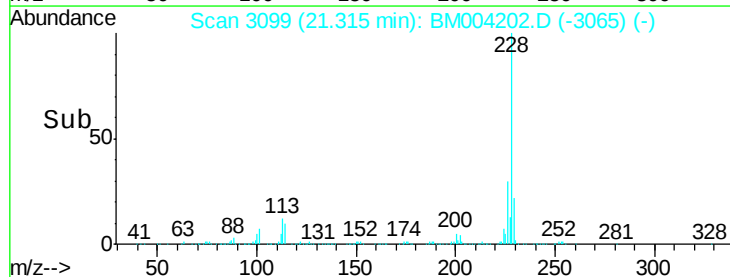
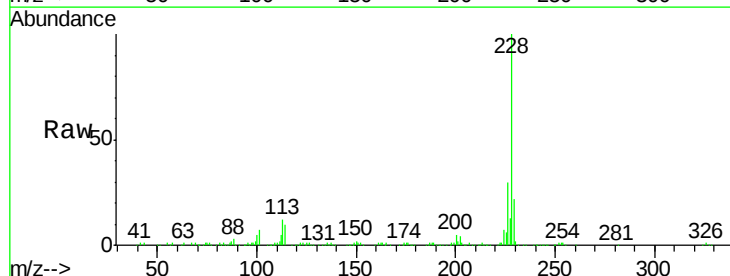
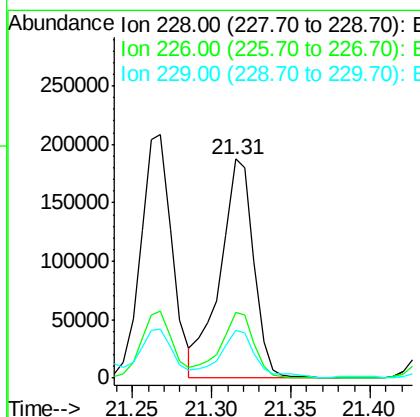
Manual Integrations
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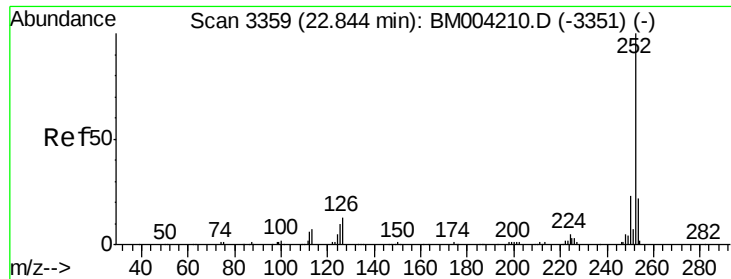
Sohil
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#85
 Chrysene
 Concen: 20.69 ng/ul
 RT: 21.31 min Scan# 3099
 Delta R.T. -0.00 min
 Lab File: BM004202.D
 Acq: 08 Feb 2016 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	274140		
226	29.8	24.0	36.0	
229	21.9	15.6	23.4	





#88

Benzo(b)fluoranthene

Concen: 28.46 ng/ul

RT: 22.85 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BM004202.D

Acq: 08 Feb 2016 16:23

Instrument :

BNA_M

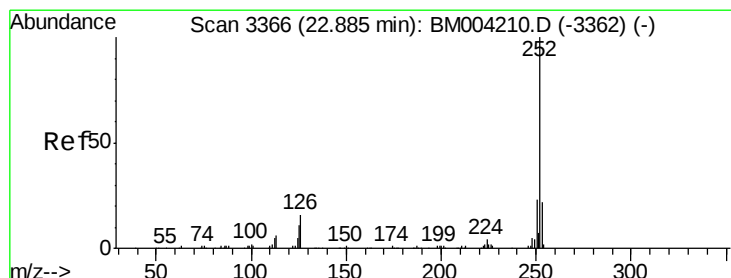
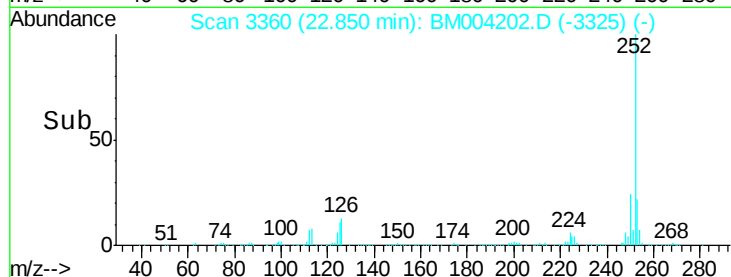
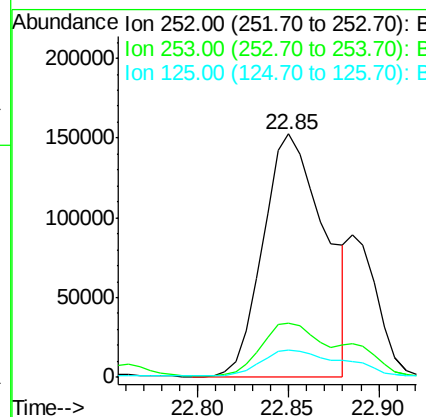
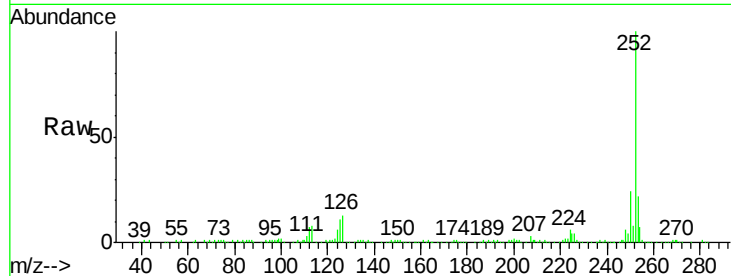
ClientSampled :

C04J6

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		359350		
253	22.5	17.5	26.3		
125	11.4	8.5	12.7		

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 8.51 ng/ul m

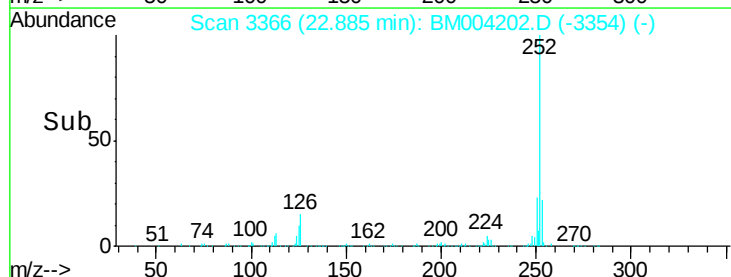
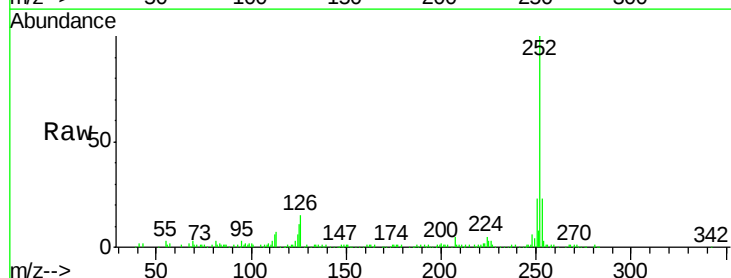
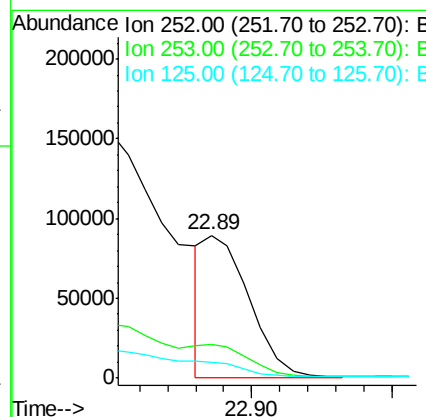
RT: 22.89 min Scan# 3366

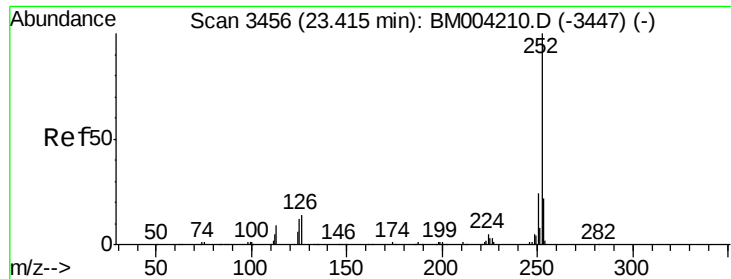
Delta R.T. -0.00 min

Lab File: BM004202.D

Acq: 08 Feb 2016 16:23

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		100044		
253	23.4	17.3	25.9		
125	11.2	8.2	12.2		





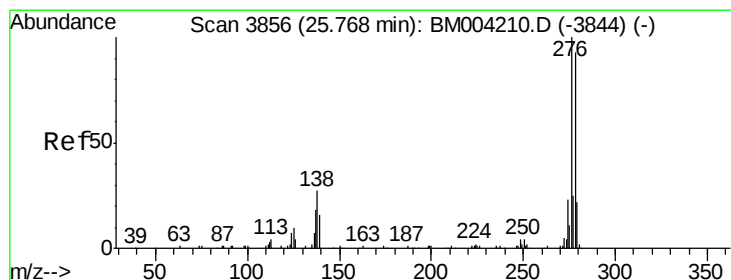
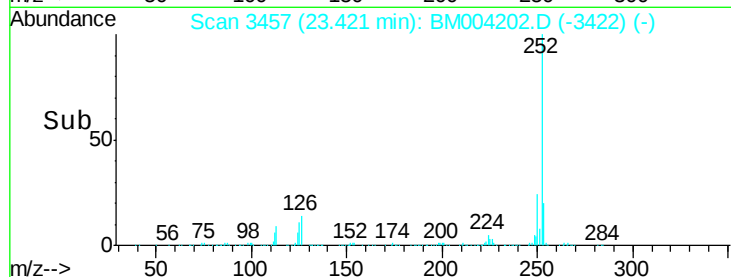
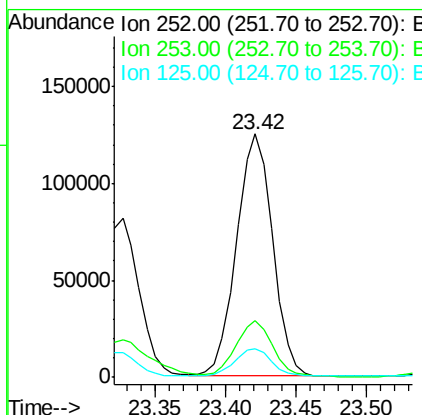
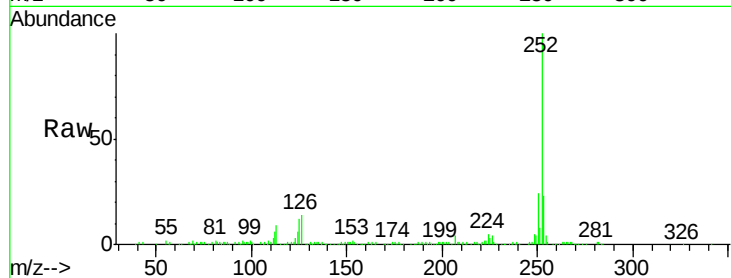
#91
Benzo(a)pyrene
Concen: 18.30 ng/ul
RT: 23.42 min Scan# 3457
Delta R.T. 0.01 min
Lab File: BM004202.D
Acq: 08 Feb 2016 16:23

Instrument :
BNA_M
ClientSampleId :
C04J6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.2	25.8
125	11.7	9.0	13.6

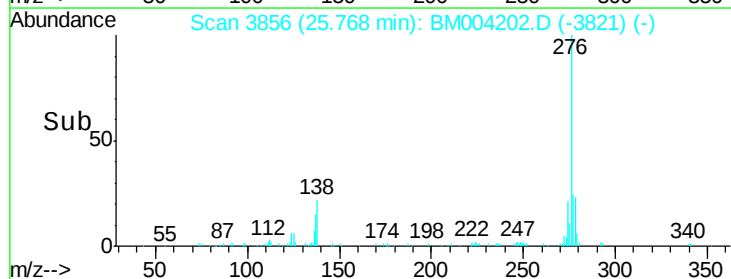
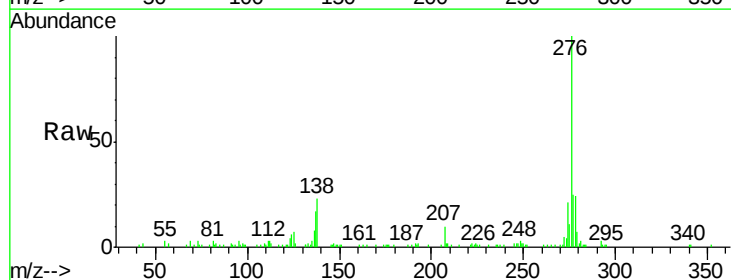
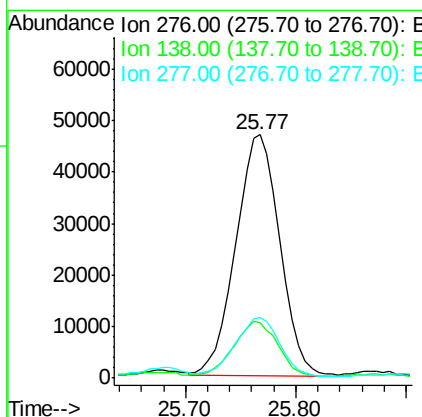
Manual Integrations
APPROVED

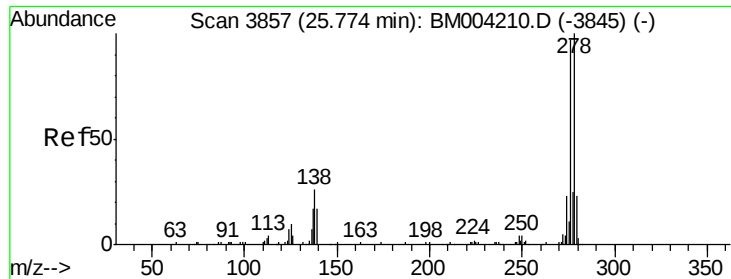
Sohil
2/9/2016 3:30:42 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 9.06 ng/ul
RT: 25.77 min Scan# 3856
Delta R.T. 0.01 min
Lab File: BM004202.D
Acq: 08 Feb 2016 16:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.5	22.3	33.5
277	25.0	20.2	30.2





#93

Dibenzo(a,h)anthracene

Concen: 2.99 ng/ul

RT: 25.76 min Scan# 3855

Delta R.T. -0.01 min

Lab File: BM004202.D

Acq: 08 Feb 2016 16:23

Instrument :

BNA_M

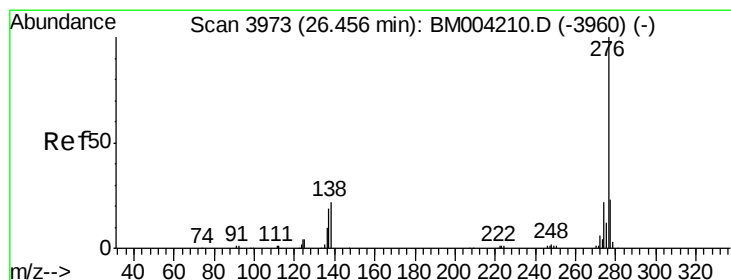
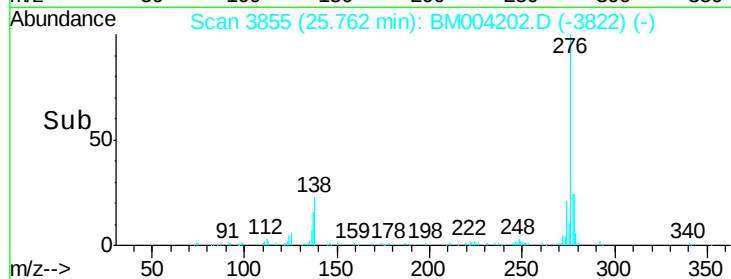
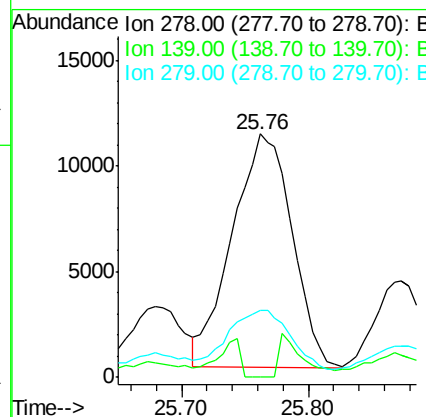
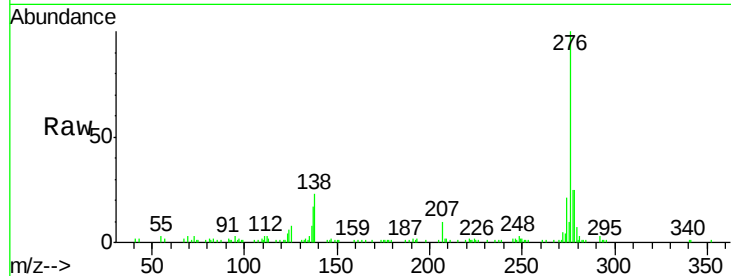
ClientSampleId :

C04J6

Tgt Ion:	278	Resp:	36282
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.9	20.9#
279	27.5	19.0	28.4

Manual Integrations
APPROVED

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2/9/2016 3:30:42 PM



#94

Benzo(g,h,i)perylene

Concen: 8.01 ng/ul

RT: 26.46 min Scan# 3973

Delta R.T. 0.01 min

Lab File: BM004202.D

Acq: 08 Feb 2016 16:23

Tgt Ion:	276	Resp:	99444
Ion Ratio	Lower	Upper	
276	100		
138	23.5	18.9	28.3
277	24.9	19.2	28.8

