

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
 Data File : BM004204.D
 Acq On : 08 Feb 2016 17:35
 Operator : SJ/IZ
 Sample : H1340-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C04P3

Manual Integrations
 APPROVED

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 2/9/2016 3:30:48 PM

Quant Time: Feb 09 01:07:33 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	31723	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	152508	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	92413	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	213146	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	230261	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	196437	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	2052	3.42	ng/uL	0.00
5) Phenol-d5	6.84	99	50293	16.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	26891	16.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	44298	18.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	38020	14.32	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	22272	19.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	24750	19.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	45898	19.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	43419	14.63	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	152227	19.15	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	187186	20.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	19977	12.55	ng/ul	0.01
58) Fluorene-d10	15.32	176	135803	19.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.45	200	13136	10.00	ng/ul	0.00
71) Anthracene-d10	17.17	188	209513	20.21	ng/ul	0.00
79) Pyrene-d10	19.48	212	240355	23.30	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	213513	20.84	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	13.77	163	64900	7.75	ng/ul	99
50) Acenaphthene	14.38	153	30554	4.41	ng/ul	97
54) Dibenzofuran	14.72	168	16171	1.64	ng/ul	96
59) Fluorene	15.37	166	27593	3.37	ng/ul	100
70) Phenanthrene	17.12	178	463316	35.62	ng/ul	99
72) Anthracene	17.20	178	109920	8.33	ng/ul	99
75) Carbazole	17.47	167	55800	4.65	ng/ul	100
77) Fluoranthene	19.15	202	1014489	67.00	ng/ul	99
80) Pyrene	19.51	202	893744	63.13	ng/ul	100
81) Butylbenzylphthalate	20.41	149	39902	6.63	ng/ul	98
83) Benzo(a)anthracene	21.27	228	534465	36.46	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.19	149	944763	104.13	ng/ul#	98
85) Chrysene	21.32	228	525364	37.69	ng/ul	98
88) Benzo(b)fluoranthene	22.85	252	628479	50.12	ng/ul	98
89) Benzo(k)fluoranthene	22.89	252	193225m	16.54	ng/ul	
91) Benzo(a)pyrene	23.43	252	399415	32.97	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.77	276	224646	15.54	ng/ul#	94
93) Dibenzo(a,h)anthracene	25.77	278	60217	4.99	ng/ul#	92
94) Benzo(g,h,i)perylene	26.46	276	167180	13.56	ng/ul	99

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

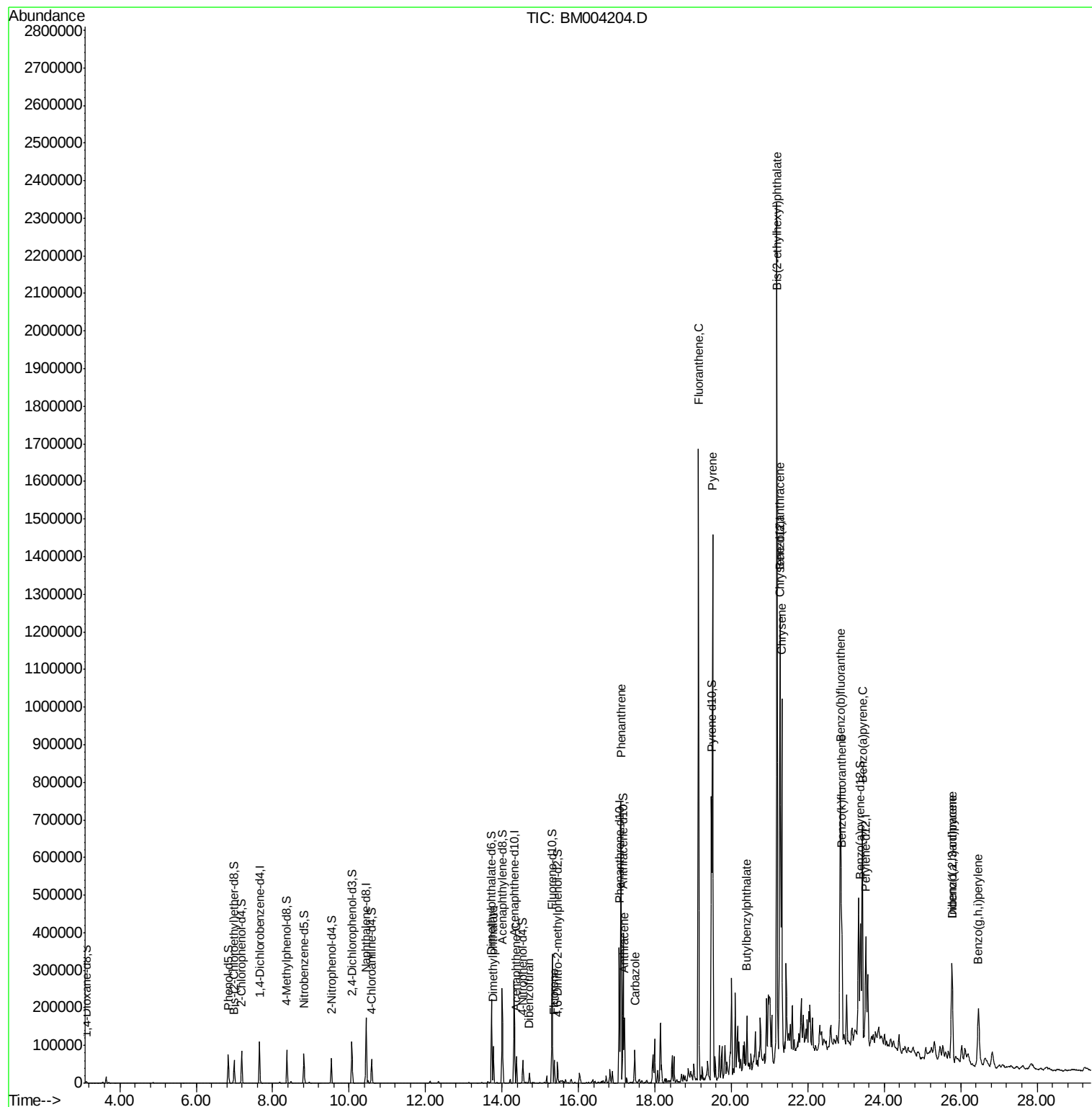
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
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ALS Vial : 11 Sample Multiplier: 1

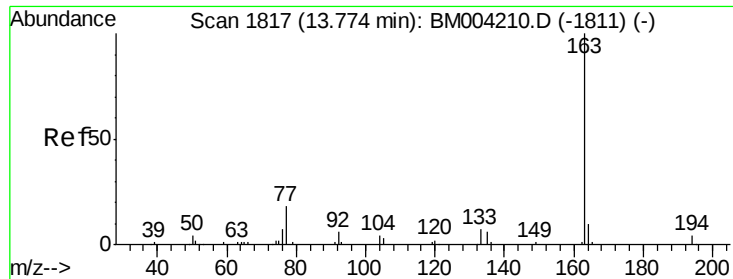
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
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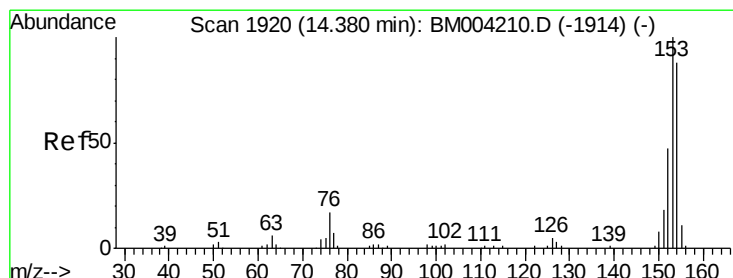
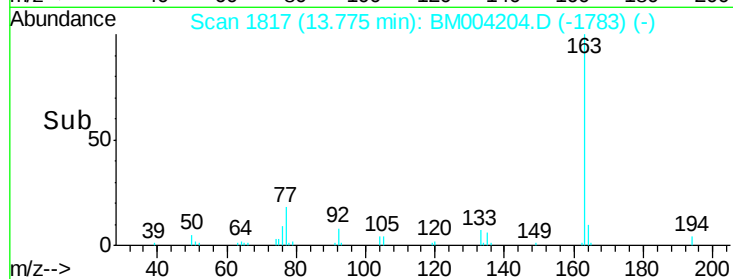
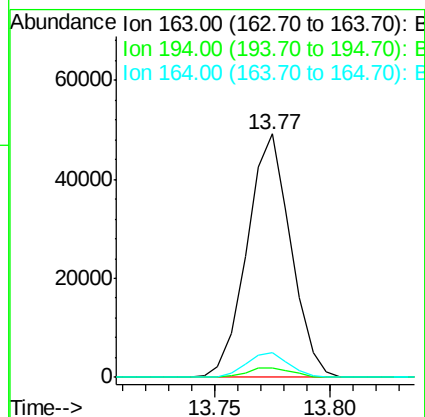
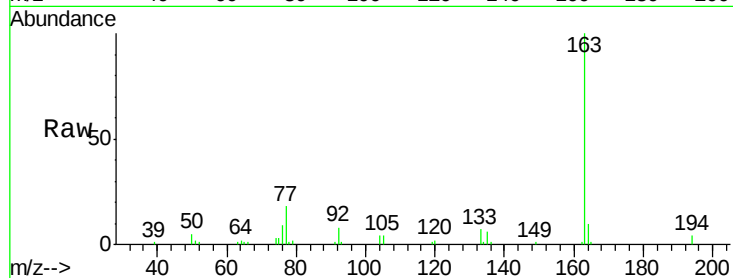
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Dimethylphthalate
Concen: 7.75 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BM004204.D
Acq: 08 Feb 2016 17:35

Instrument :
BNA_M
ClientSampleId :
C04P3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	64900		
194	3.9		3.2	4.8
164	10.0		7.8	11.8

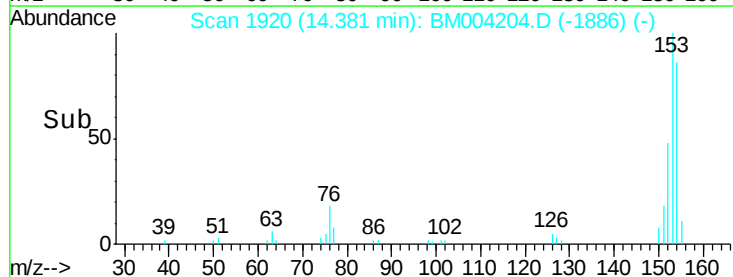
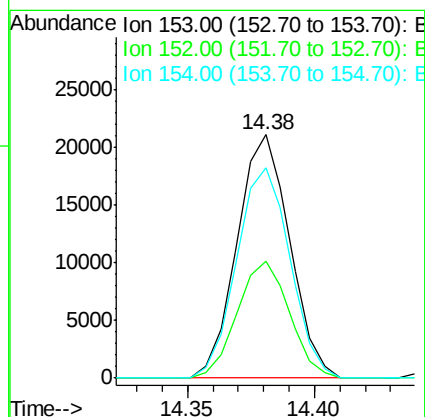
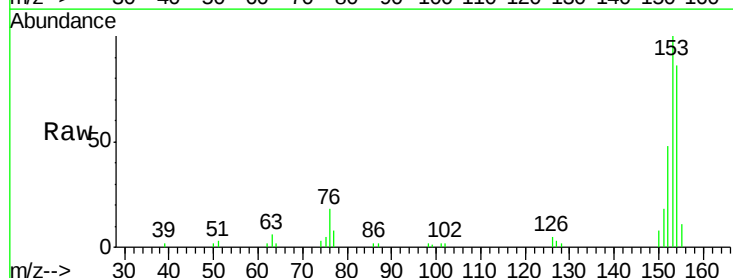
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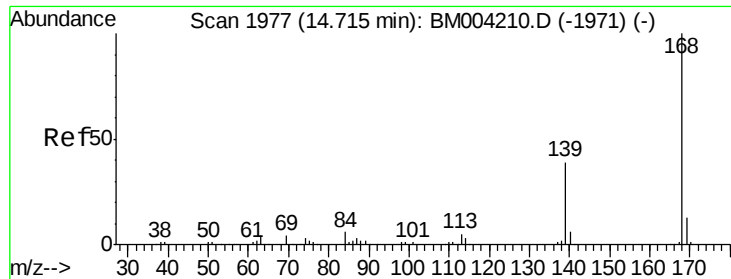
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#50
Acenaphthene
Concen: 4.41 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM004204.D
Acq: 08 Feb 2016 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	30554		
152	47.8		38.3	57.5
154	86.2		71.8	107.8





#54

Dibenzenofuran

Concen: 1.64 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM004204.D

Acq: 08 Feb 2016 17:35

Instrument :

BNA_M

ClientSampleId :

C04P3

Tgt Ion:168 Resp: 16171

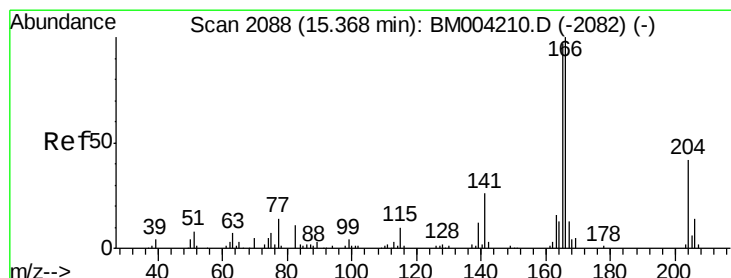
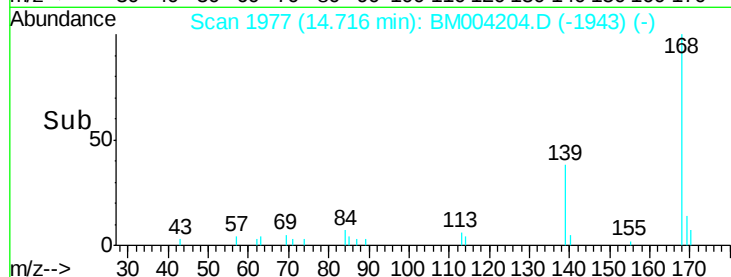
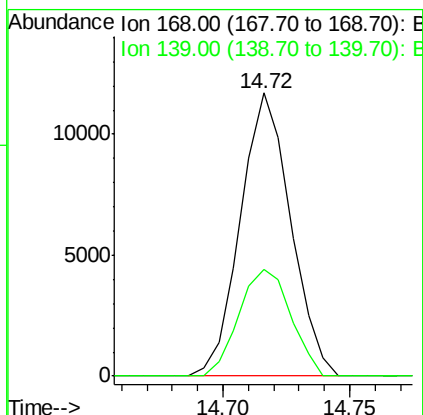
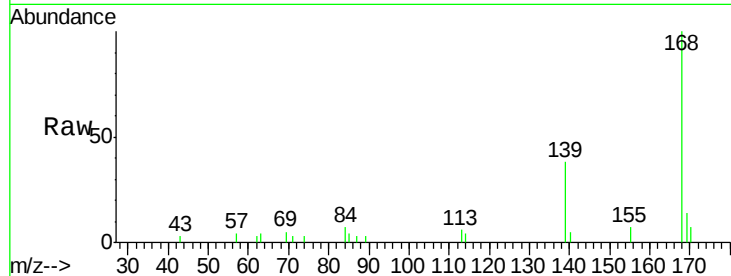
Ion Ratio Lower Upper

168 100

139 37.8 32.2 48.2

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#59

Fluorene

Concen: 3.37 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM004204.D

Acq: 08 Feb 2016 17:35

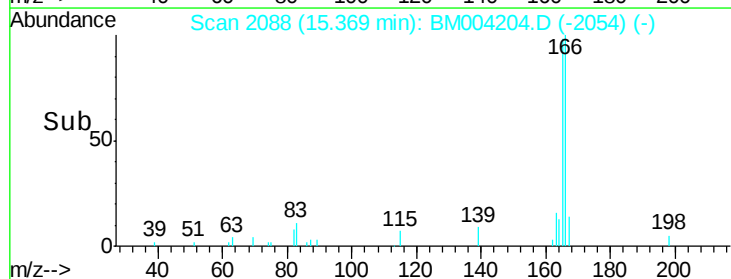
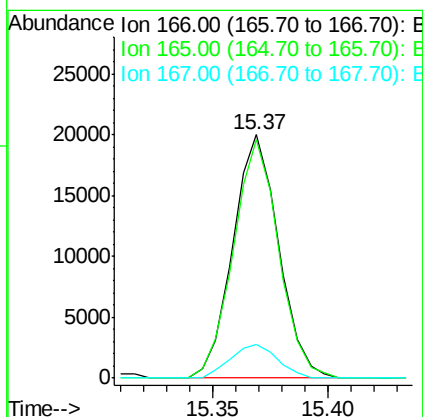
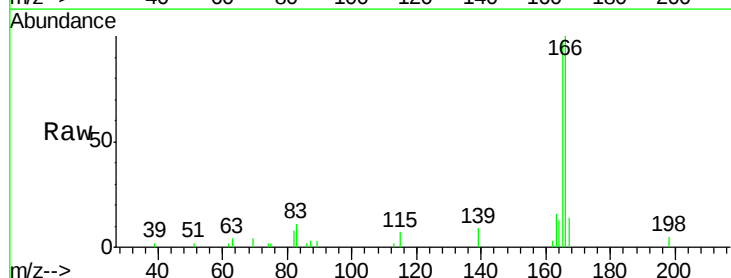
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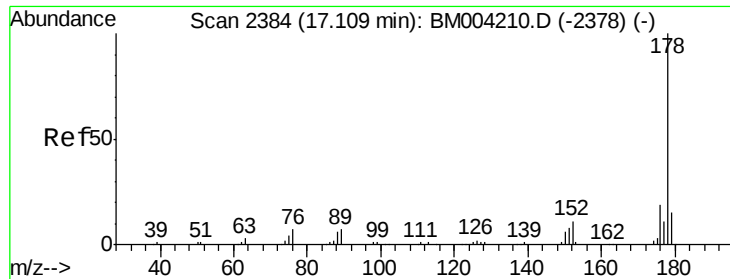
Ion Ratio Lower Upper

166 100

165 97.9 78.5 117.7

167 14.1 10.7 16.1





#70

Phenanthrene

Concen: 35.62 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.01 min

Lab File: BM004204.D

Acq: 08 Feb 2016 17:35

Instrument :

BNA_M

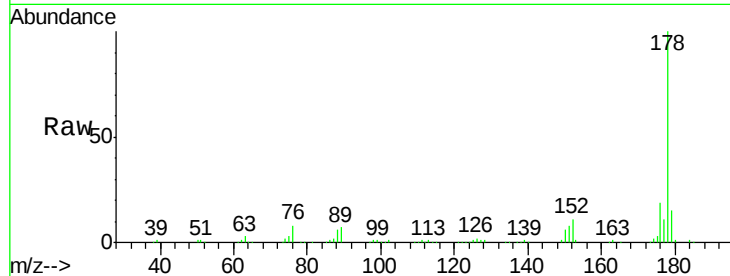
ClientSampleId :

C04P3

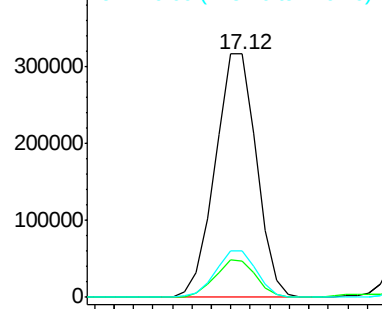
Tgt Ion:	178	Resp:	463316
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.2	18.4
176	19.2	15.6	23.4

Manual Integrations
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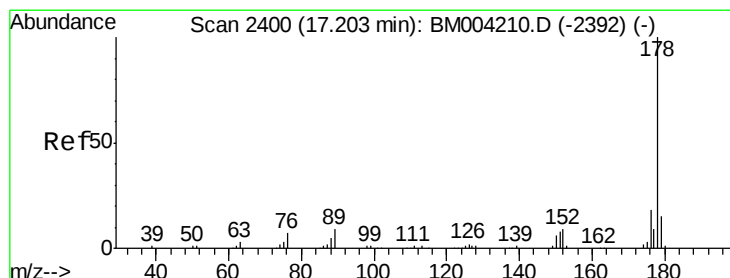
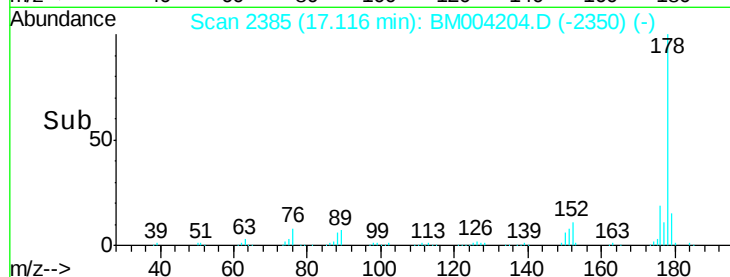
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 8.33 ng/ul

RT: 17.20 min Scan# 2400

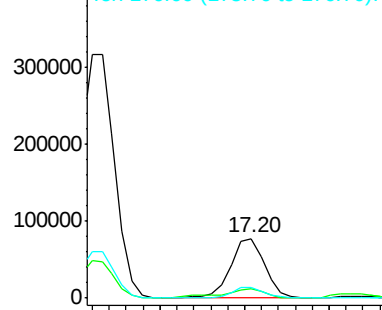
Delta R.T. 0.01 min

Lab File: BM004204.D

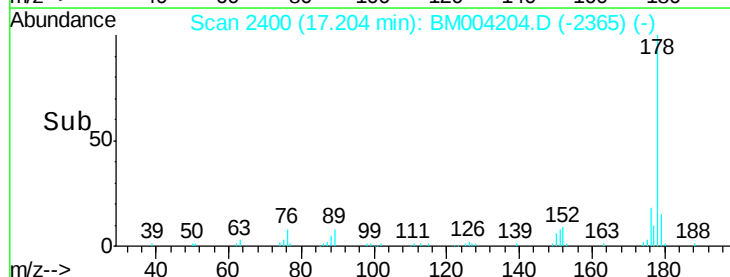
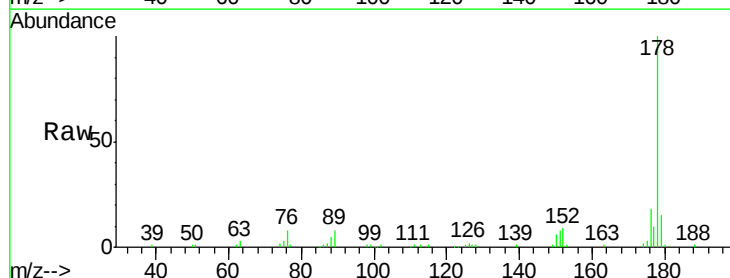
Acq: 08 Feb 2016 17:35

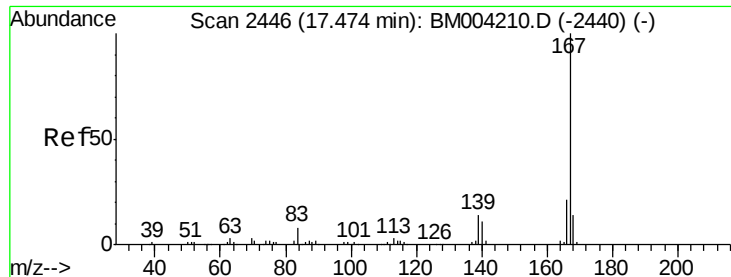
Tgt Ion:	178	Resp:	109920
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.1	18.1
176	18.2	14.8	22.2

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



Time-->





#75

Carbazole

Concen: 4.65 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM004204.D

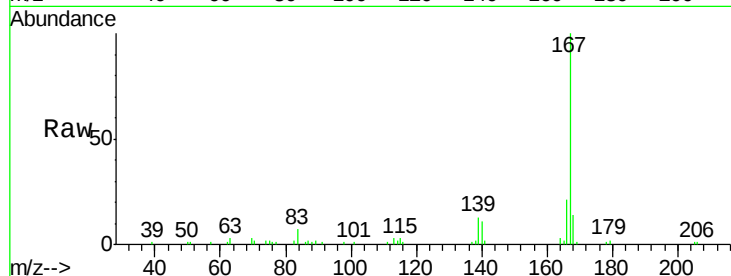
Acq: 08 Feb 2016 17:35

Instrument :

BNA_M

ClientSampled :

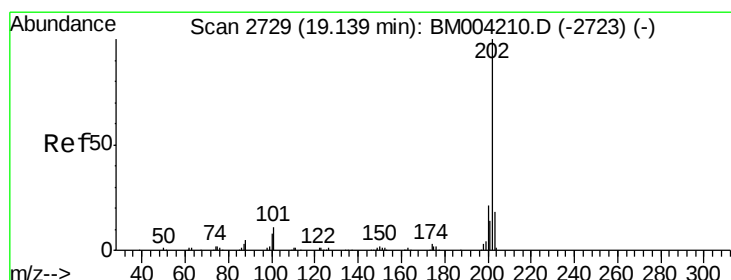
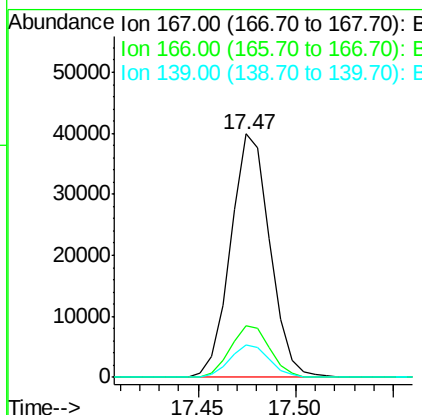
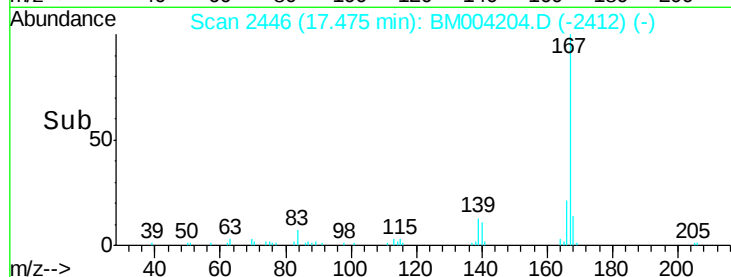
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Tgt Ion:	167	Resp:	55800
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.0	25.6
139	13.5	11.0	16.4

Manual Integrations
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#77

Fluoranthene

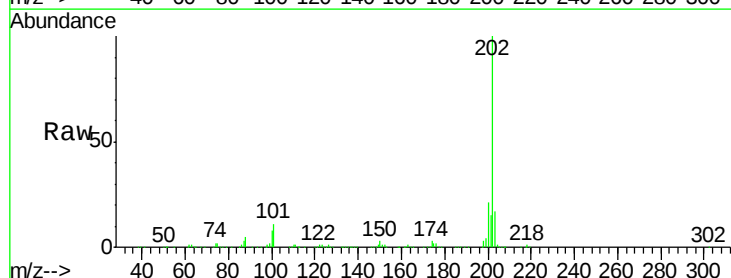
Concen: 67.00 ng/ul

RT: 19.15 min Scan# 2730

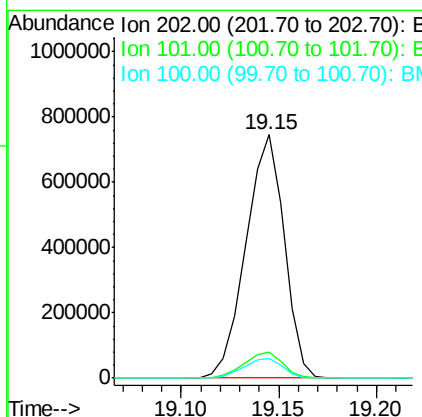
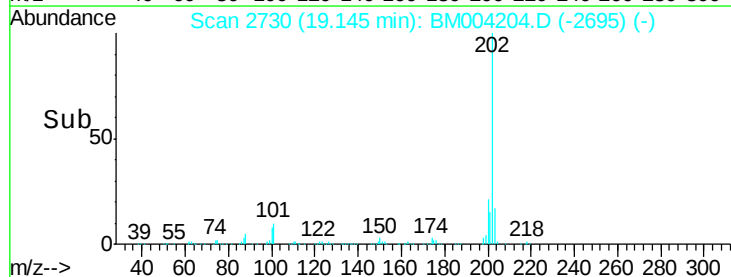
Delta R.T. 0.01 min

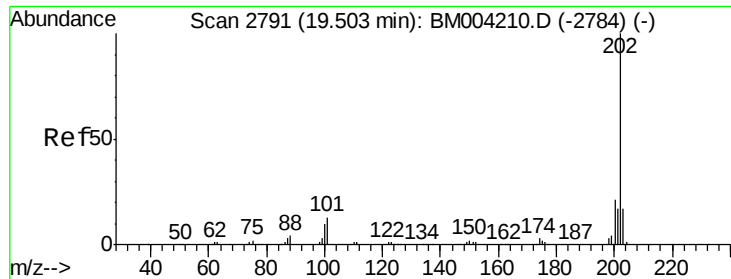
Lab File: BM004204.D

Acq: 08 Feb 2016 17:35



Tgt Ion:	202	Resp:	1014489
Ion Ratio	Lower	Upper	
202	100		
101	10.5	8.8	13.2
100	8.1	6.6	9.8





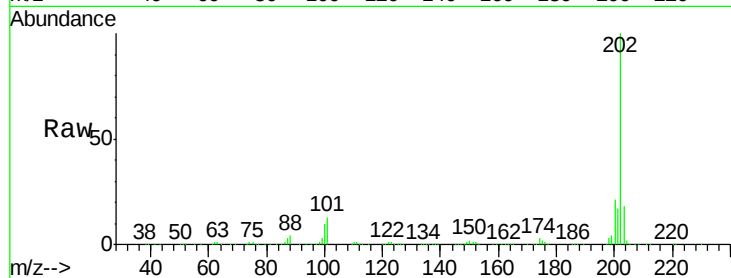
#80
 Pyrene
 Concen: 63.13 ng/ul
 RT: 19.51 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: BM004204.D
 Acq: 08 Feb 2016 17:35

Instrument :
 BNA_M
 ClientSampleId :
 C04P3

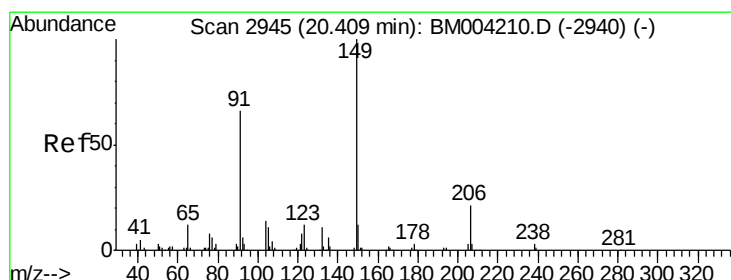
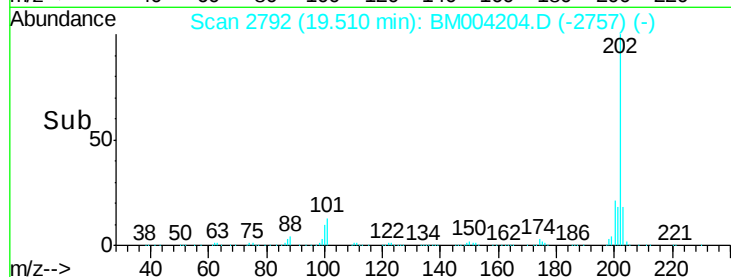
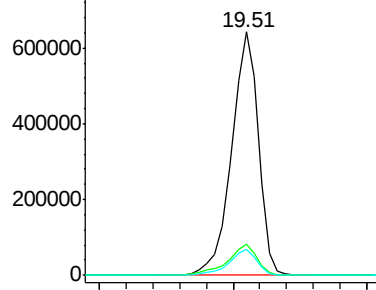
Tgt Ion:	202	Resp:	893744
Ion Ratio	Lower	Upper	
202	100		
101	12.7	10.2	15.2
100	10.5	8.5	12.7

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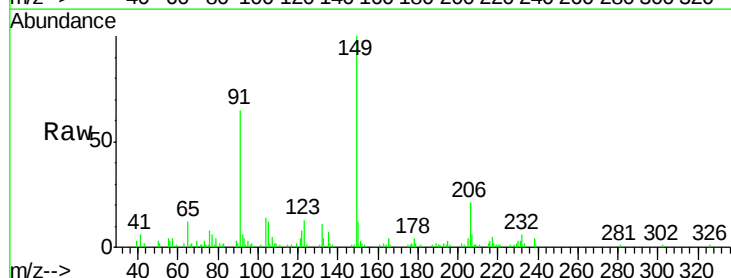


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

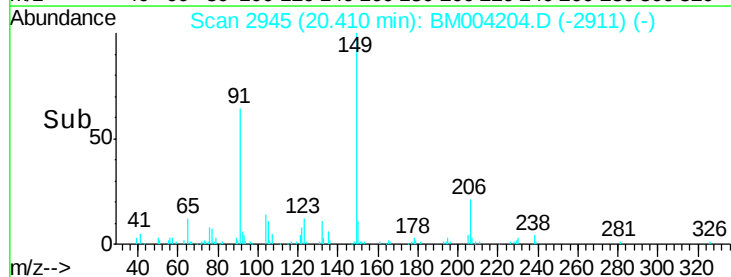
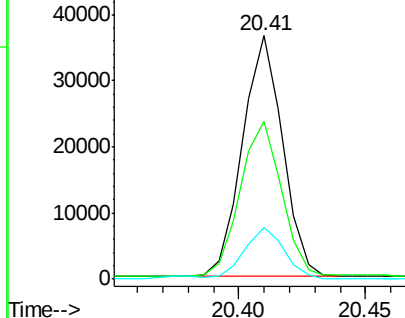


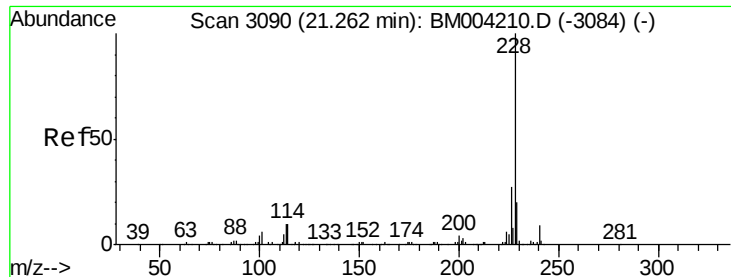
#81
 Butylbenzylphthalate
 Concen: 6.63 ng/ul
 RT: 20.41 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: BM004204.D
 Acq: 08 Feb 2016 17:35

Tgt Ion:	149	Resp:	39902
Ion Ratio	Lower	Upper	
149	100		
91	64.9	53.4	80.2
206	21.2	16.6	24.8



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BM
 Ion 206.00 (205.70 to 206.70): E





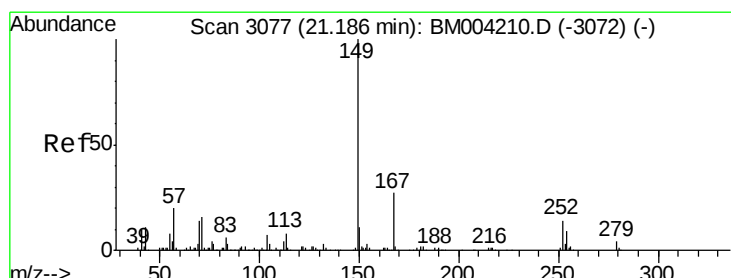
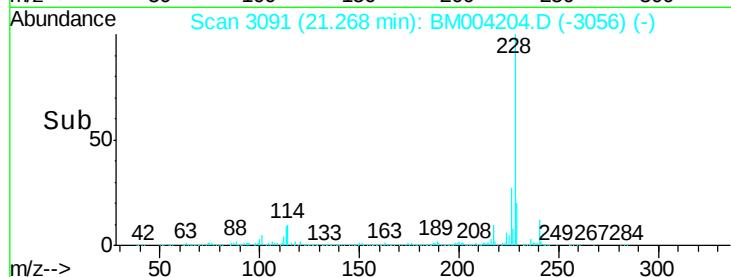
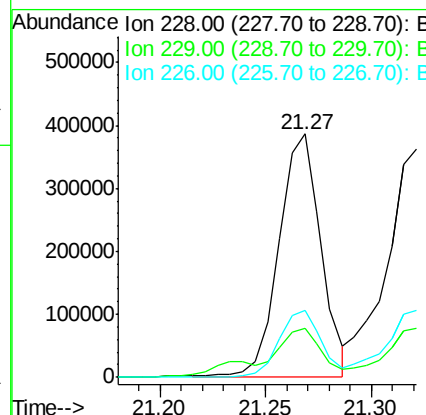
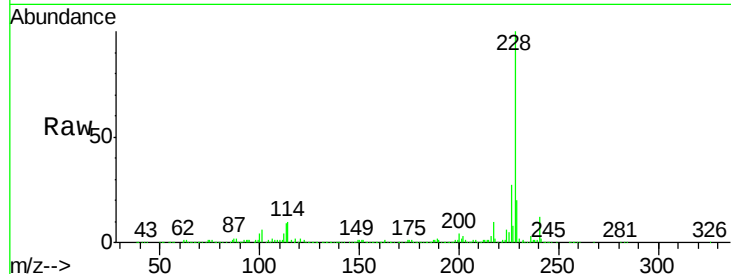
#83
Benzo(a)anthracene
Concen: 36.46 ng/ul
RT: 21.27 min Scan# 3091
Delta R.T. 0.01 min
Lab File: BM004204.D
Acq: 08 Feb 2016 17:35

Instrument :
BNA_M
ClientSampled :
C04P3

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.7	23.5
226	27.5	21.8	32.6

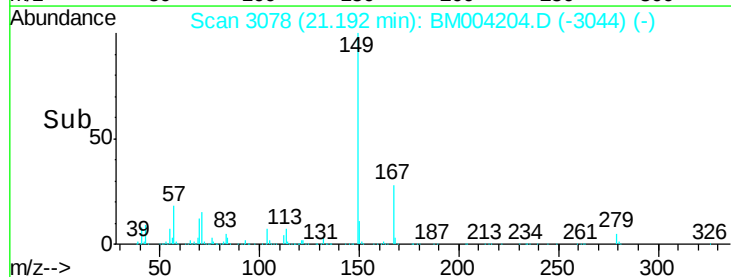
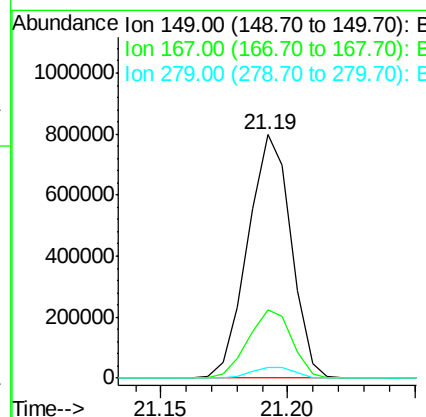
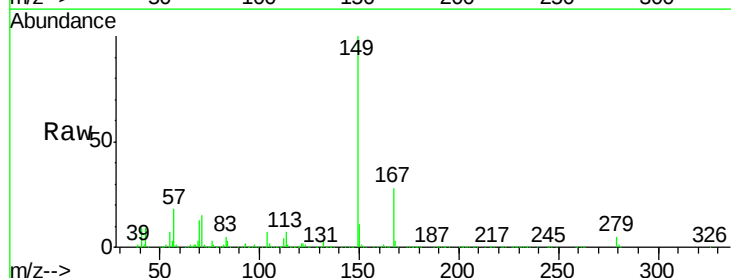
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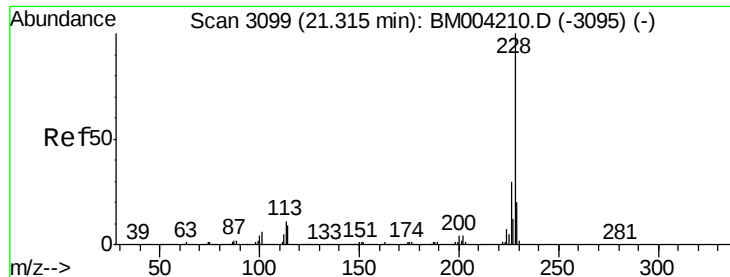
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#84
Bis(2-ethylhexyl)phthalate
Concen: 104.13 ng/ul
RT: 21.19 min Scan# 3078
Delta R.T. 0.00 min
Lab File: BM004204.D
Acq: 08 Feb 2016 17:35

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.6	32.4
279	4.6	3.0	4.4#





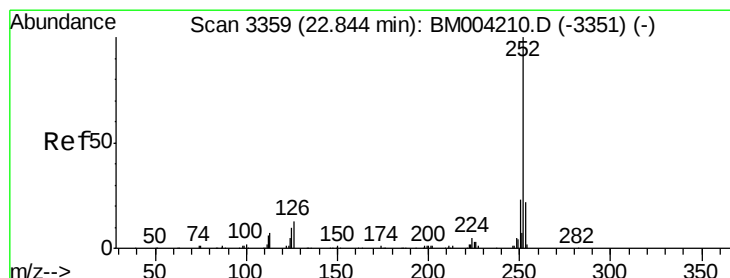
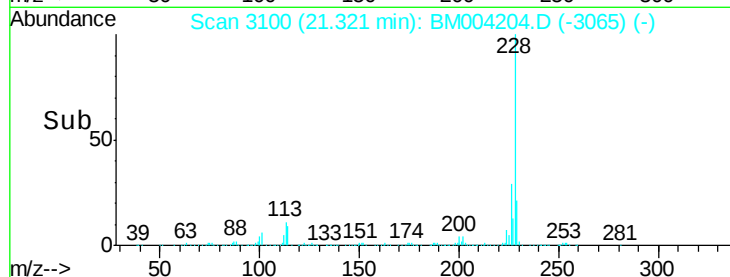
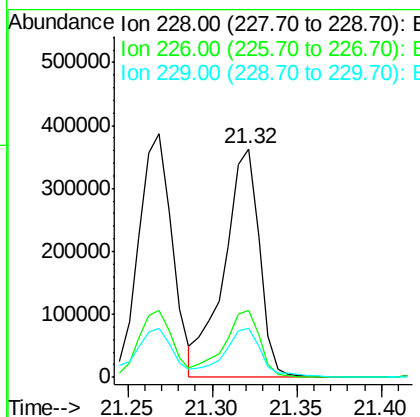
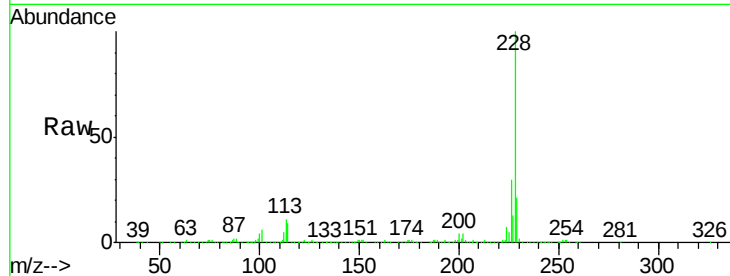
#85
Chrysene
Concen: 37.69 ng/ul
RT: 21.32 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BM004204.D
Acq: 08 Feb 2016 17:35

Instrument :
BNA_M
ClientSampled :
C04P3

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	525364		
226	29.5	24.0	36.0	
229	21.5	15.6	23.4	

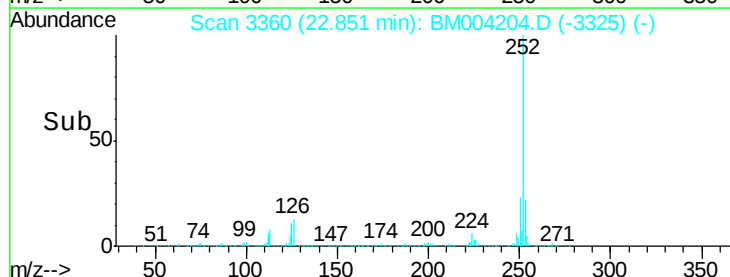
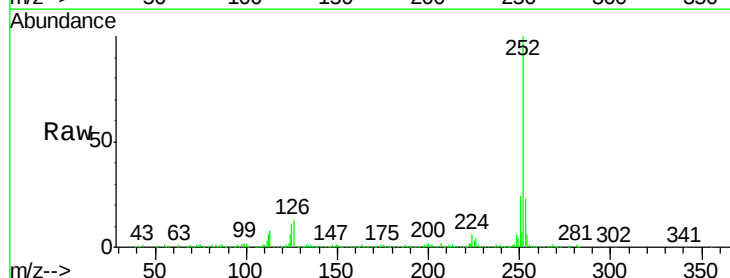
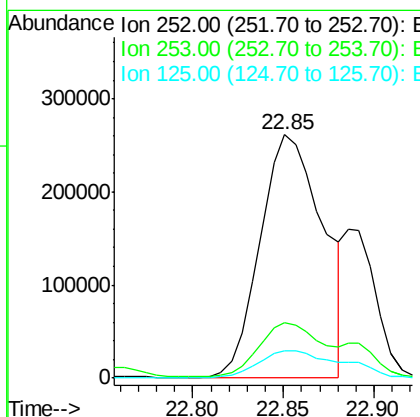
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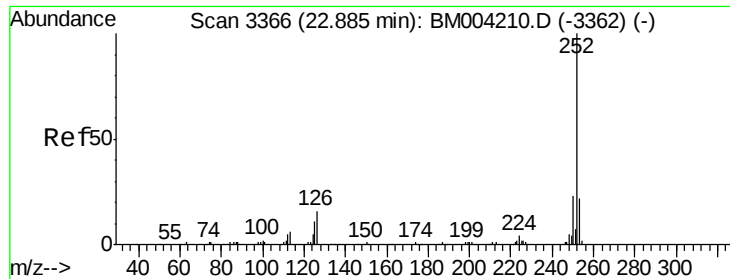
Sohil
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#88
Benzo(b)fluoranthene
Concen: 50.12 ng/ul
RT: 22.85 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BM004204.D
Acq: 08 Feb 2016 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	628479		
253	22.7	17.5	26.3	
125	11.3	8.5	12.7	





#89

Benzo(k)fluoranthene

Concen: 16.54 ng/ul m

RT: 22.89 min Scan# 3366

Delta R.T. 0.00 min

Lab File: BM004204.D

Acq: 08 Feb 2016 17:35

Instrument :

BNA_M

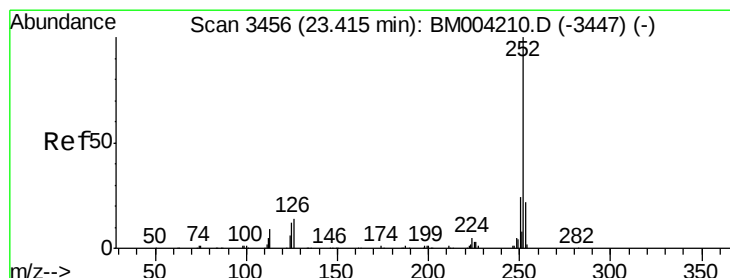
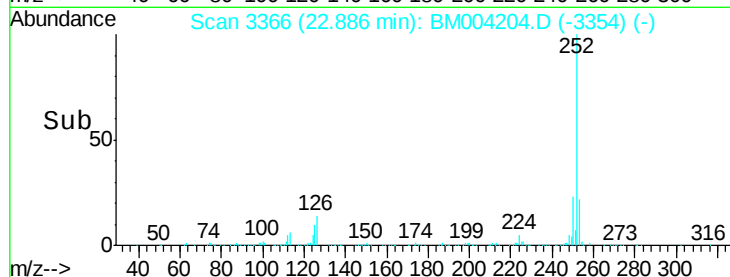
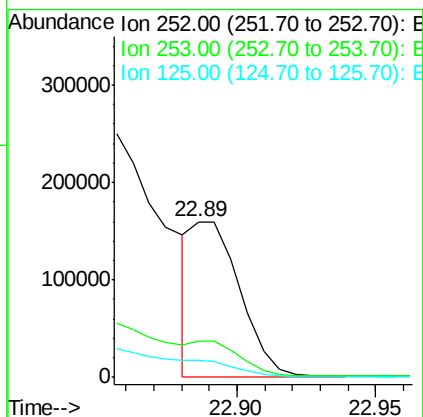
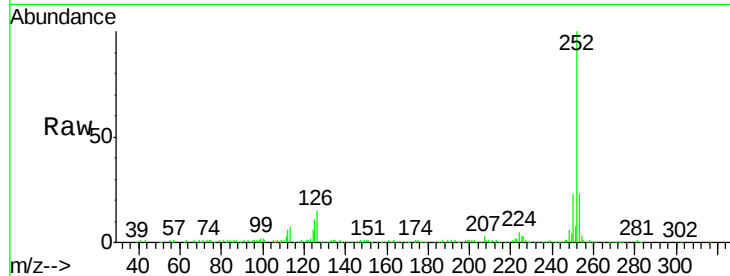
ClientSampleId :

C04P3

Tgt	Ion	252	Resp:	193225
Ion	Ratio	Lower	Upper	
252	100			
253	23.2	17.3	25.9	
125	10.9	8.2	12.2	

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#91

Benzo(a)pyrene

Concen: 32.97 ng/ul

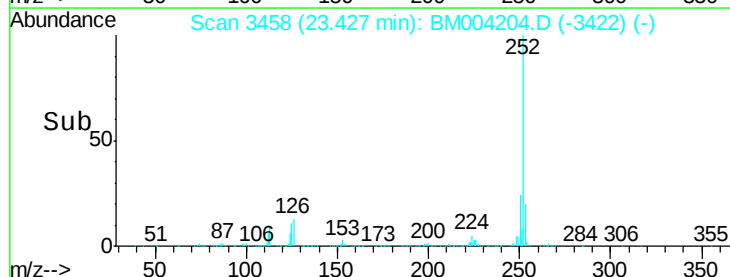
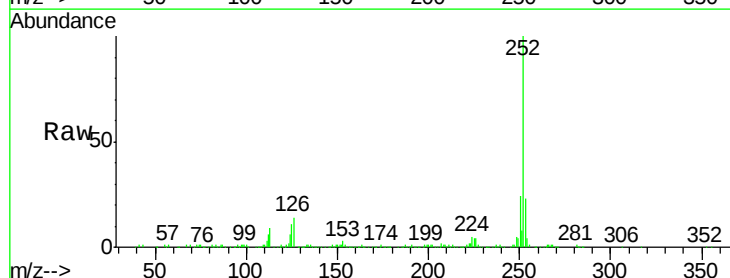
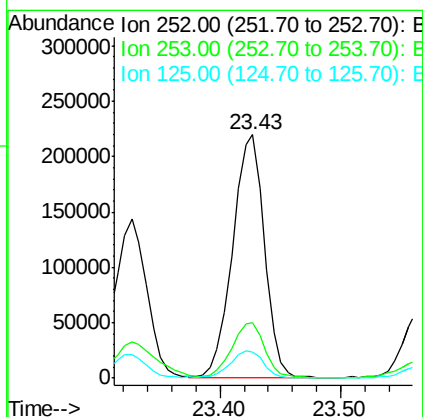
RT: 23.43 min Scan# 3458

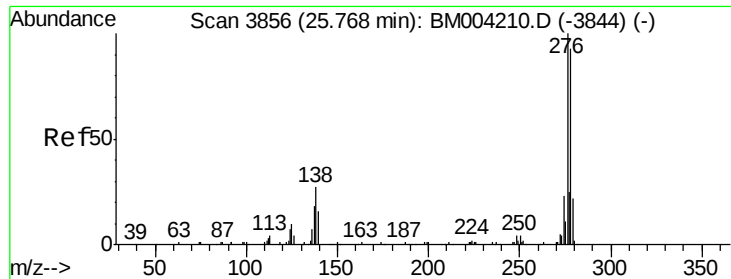
Delta R.T. 0.01 min

Lab File: BM004204.D

Acq: 08 Feb 2016 17:35

Tgt	Ion	252	Resp:	399415
Ion	Ratio	Lower	Upper	
252	100			
253	22.7	17.2	25.8	
125	10.9	9.0	13.6	





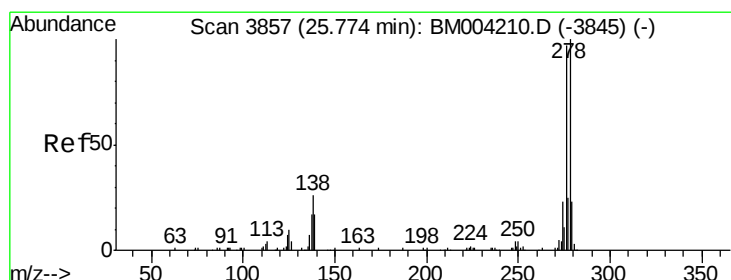
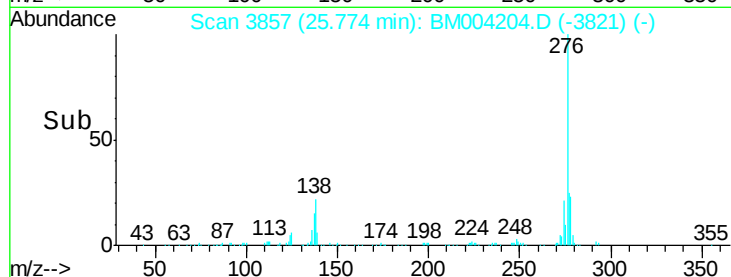
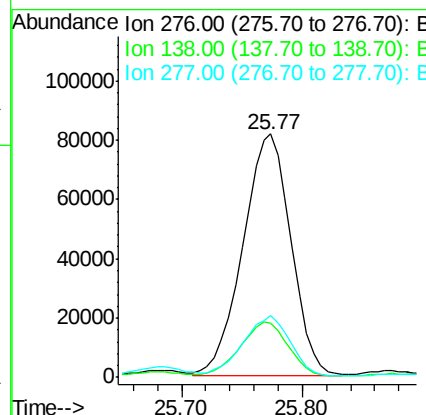
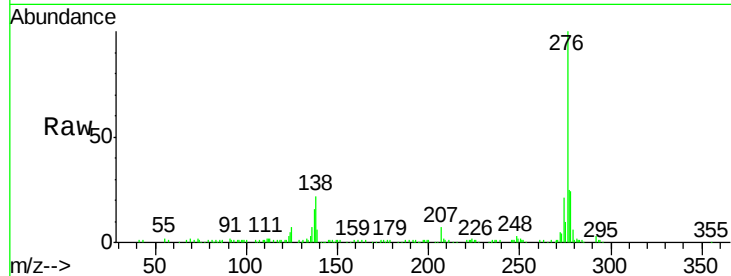
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 15.54 ng/ul
 RT: 25.77 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: BM004204.D
 Acq: 08 Feb 2016 17:35

Instrument :
 BNA_M
 ClientSampled :
 C04P3

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	224646		
138	22.0	22.3	33.5#	
277	25.3	20.2	30.2	

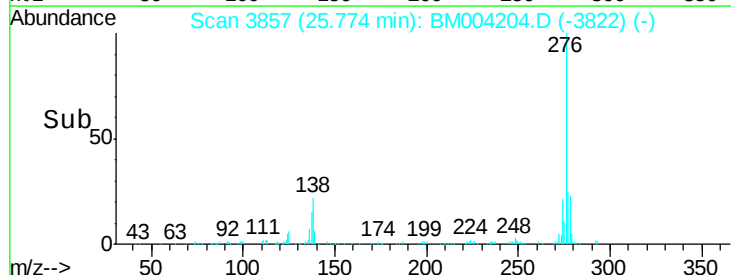
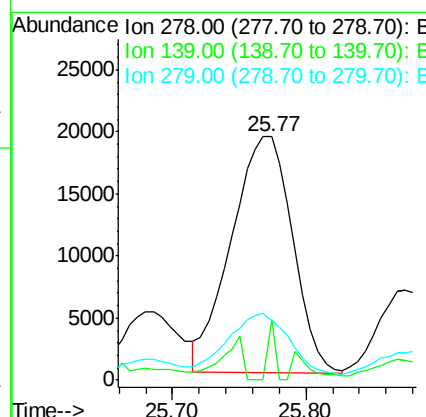
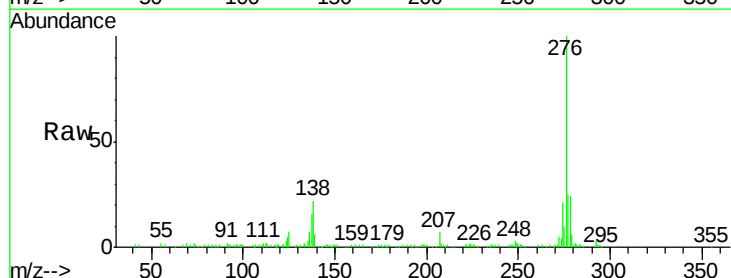
Manual Integrations
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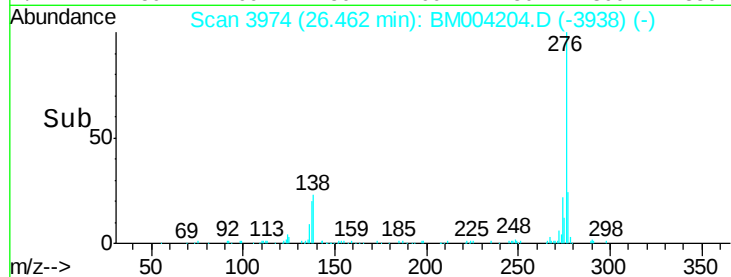
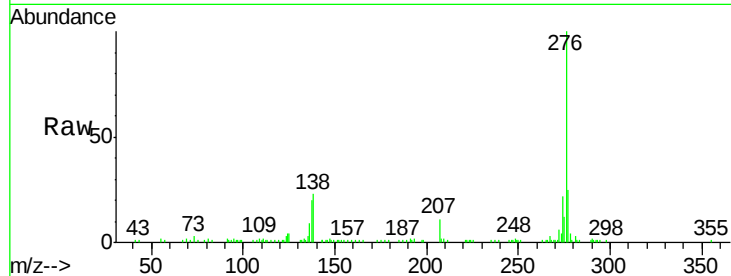
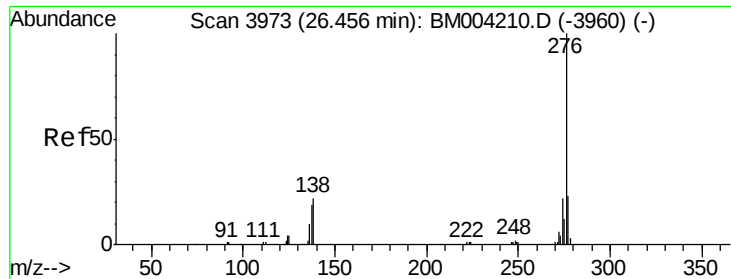
Sohil
 2/9/2016 3:30:48 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 4.99 ng/ul
 RT: 25.77 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: BM004204.D
 Acq: 08 Feb 2016 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	60217		
139	24.8	13.9	20.9#	
279	24.4	19.0	28.4	





#94

Benzo(g,h,i)perylene

Concen: 13.56 ng/ul

RT: 26.46 min Scan# 3974

Delta R.T. 0.01 min

Lab File: BM004204.D

Acq: 08 Feb 2016 17:35

Tgt Ion:	276	Resp:	167180
Ion Ratio		Lower	Upper
276	100		
138	23.0	18.9	28.3
277	24.5	19.2	28.8

Instrument :

BNA_M

ClientSampleId :

C04P3

Manual Integrations
APPROVED

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2/9/2016 3:30:48 PM

