

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004050.D
 Acq On : 15 Jan 2016 16:36
 Operator : SJ/UM
 Sample : H1100-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC990

Manual Integrations
 APPROVED

Sohil
 1/16/2016 5:01:12 AM

Quant Time: Jan 16 02:33:24 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 00:22:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	40710	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	193108	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	111246	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	236405	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	181121	20.00	ng/ul	0.00
86) Perylene-d12	23.51	264	169855	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	3246	3.57	ng/uL	0.00
5) Phenol-d5	6.85	99	78056	23.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	45425	23.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	66610	23.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	52033	19.00	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	34359	23.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	37256	23.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	64652	22.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	70975	18.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	209388	23.97	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	262558	24.68	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	25314	16.14	ng/ul	0.00
58) Fluorene-d10	15.32	176	185022	24.98	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	14174	10.63	ng/ul	0.00
71) Anthracene-d10	17.17	188	266194	24.35	ng/ul	0.00
79) Pyrene-d10	19.48	212	254199	27.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.37	264	212080	25.00	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	10842	1.08	ng/ul	98
34) 2-Methylnaphthalene	12.12	142	8809	1.24	ng/ul	99
45) Dimethylphthalate	13.78	163	82256	9.24	ng/ul	100
48) Acenaphthylene	14.04	152	20266	1.74	ng/ul	97
50) Acenaphthene	14.39	153	37317	4.84	ng/ul	99
54) Dibenzofuran	14.72	168	27350	2.53	ng/ul	100
59) Fluorene	15.37	166	55510	6.48	ng/ul	99
70) Phenanthrene	17.12	178	670093	50.41	ng/ul	100
72) Anthracene	17.20	178	186463	13.67	ng/ul	100
75) Carbazole	17.48	167	16386	1.37	ng/ul	95
77) Fluoranthene	19.14	202	768122	55.60	ng/ul	99
80) Pyrene	19.51	202	766729	62.36	ng/ul	99
83) Benzo(a)anthracene	21.26	228	325212	30.15	ng/ul	98
85) Chrysene	21.32	228	317504	30.98	ng/ul	98
88) Benzo(b)fluoranthene	22.85	252	312836	30.30	ng/ul	98
89) Benzo(k)fluoranthene	22.89	252	87736m	8.93	ng/ul	
91) Benzo(a)pyrene	23.42	252	240721	24.58	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.77	276	136946	12.64	ng/ul	96
93) Dibenzo(a,h)anthracene	25.77	278	41955	4.61	ng/ul#	78
94) Benzo(g,h,i)perylene	26.46	276	110339	12.13	ng/ul	98

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

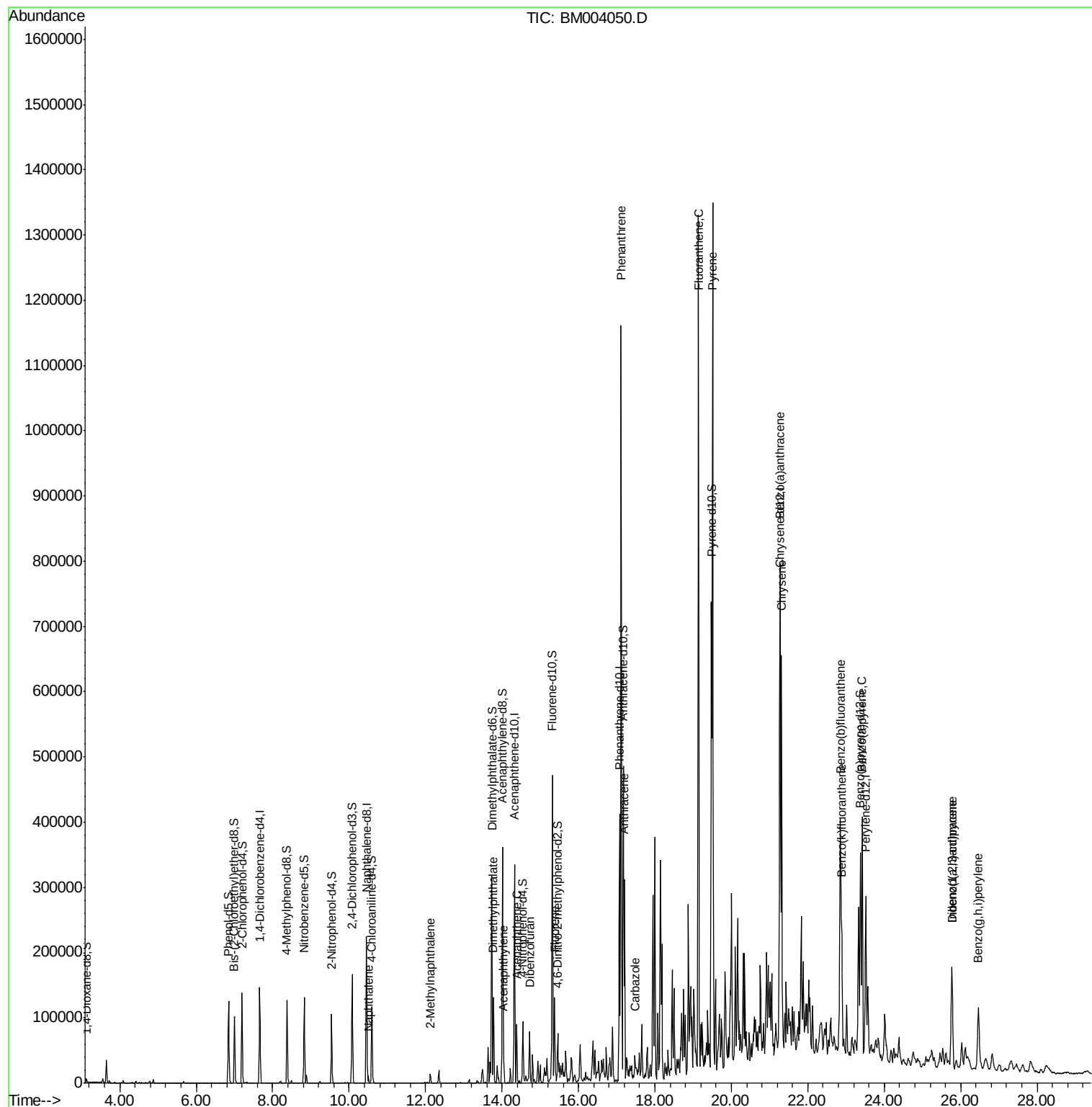
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004050.D
Acq On : 15 Jan 2016 16:36
Operator : SJ/UM
Sample : H1100-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

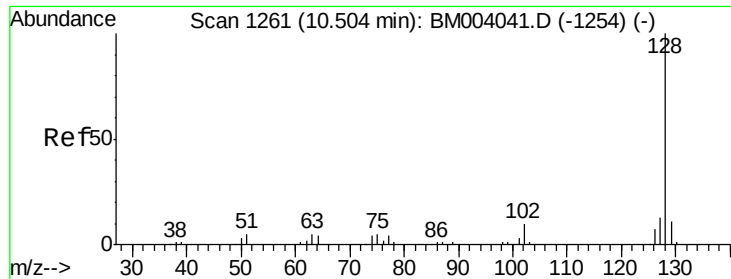
Instrument :
BNA_M
ClientSampleId :
BC990

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Quant Time: Jan 16 02:33:24 2016
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





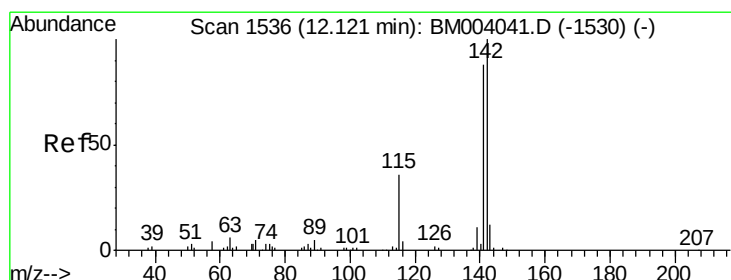
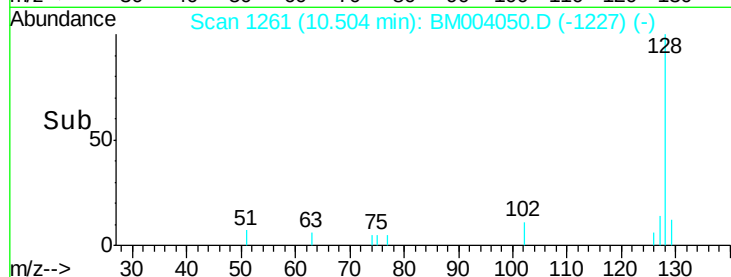
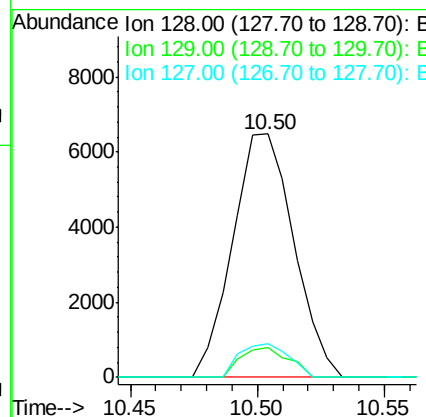
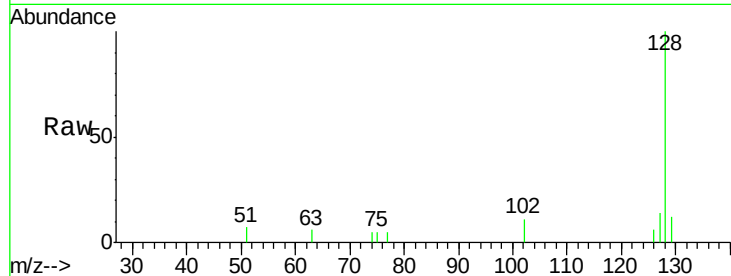
#28
Naphthalene
Concen: 1.08 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Instrument :
BNA_M
ClientSampleId :
BC990

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.7	10.5	15.7

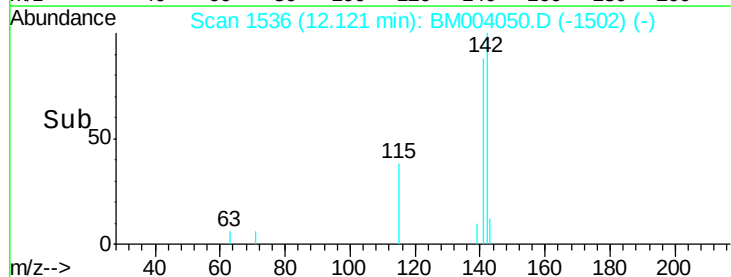
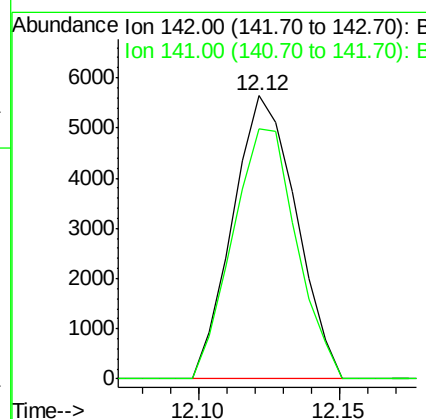
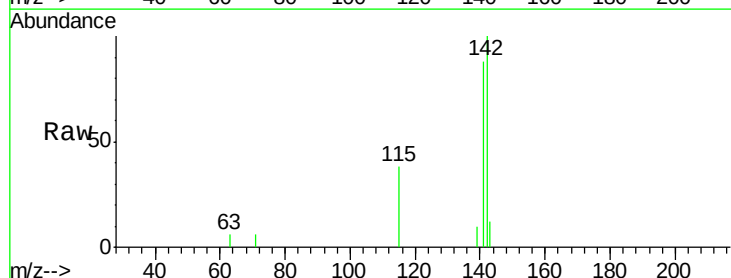
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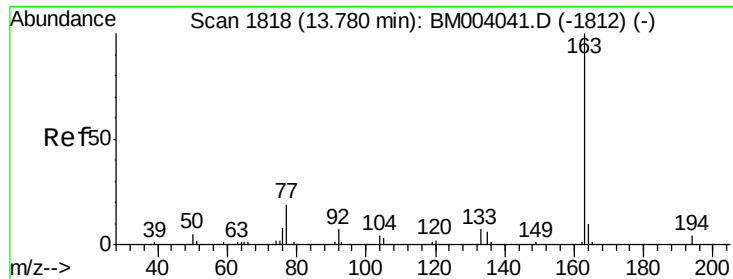
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#34
2-Methylnaphthalene
Concen: 1.24 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.6	107.4





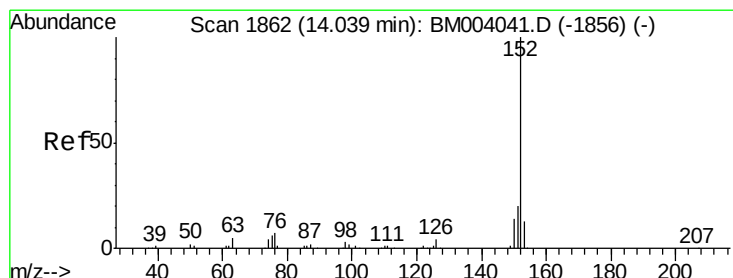
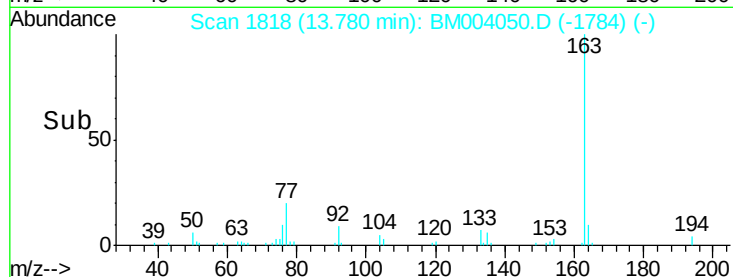
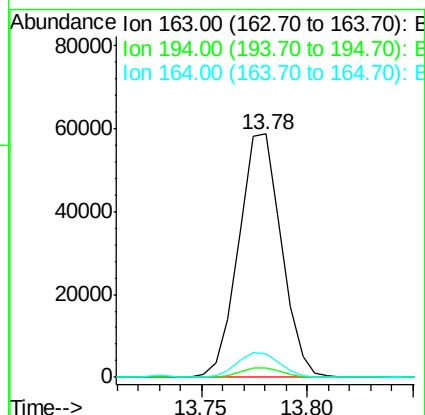
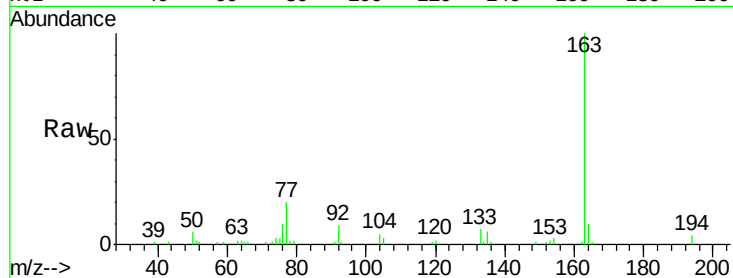
#45
Dimethylphthalate
Concen: 9.24 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Instrument :
BNA_M
ClientSampled :
BC990

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	3.2	4.8
164	9.7	7.8	11.8

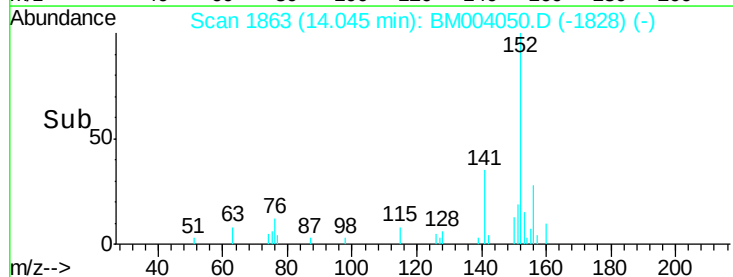
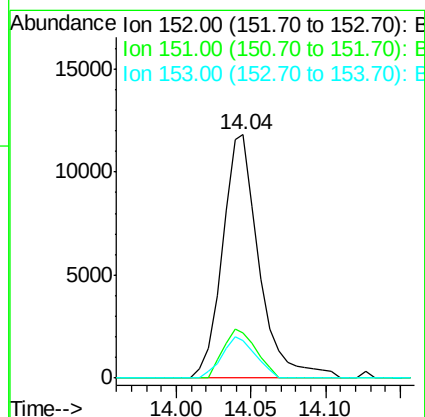
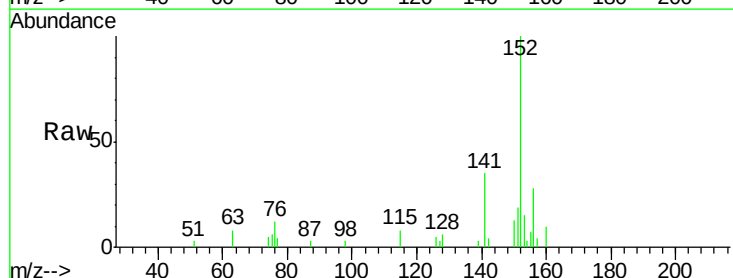
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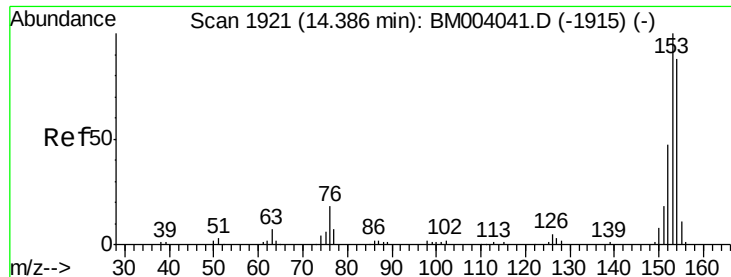
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#48
Acenaphthylene
Concen: 1.74 ng/ul
RT: 14.04 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	18.8	15.7	23.5
153	15.3	10.5	15.7





#50

Acenaphthene

Concen: 4.84 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004050.D

Acq: 15 Jan 2016 16:36

Instrument :

BNA_M

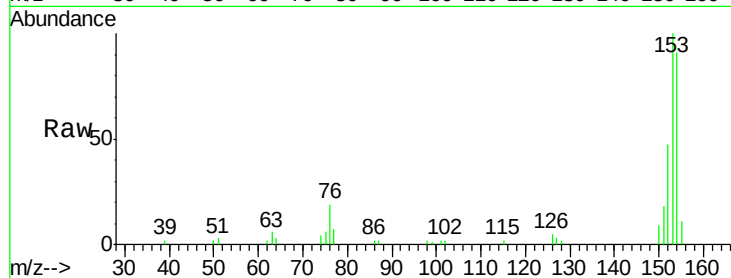
ClientSampleId :

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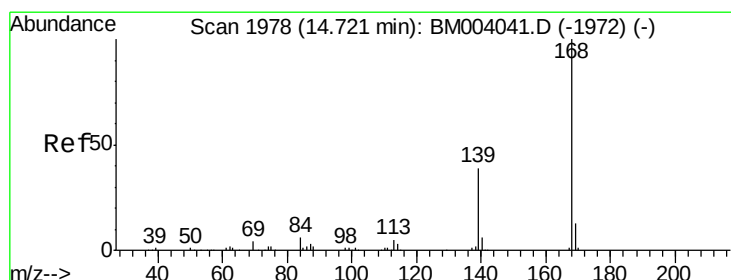
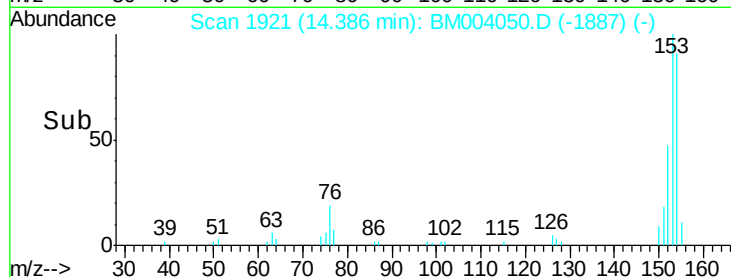
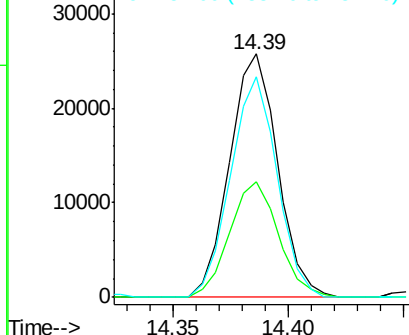
Tgt Ion:	153	Resp:	37317
Ion Ratio	Lower	Upper	
153	100		
152	47.5	38.3	57.5
154	90.7	71.8	107.8

Manual Integrations
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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



#54

Dibenzofuran

Concen: 2.53 ng/ul

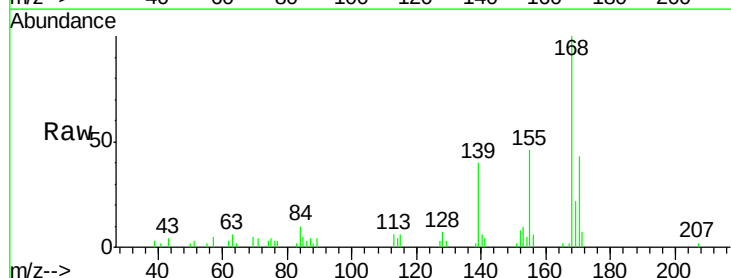
RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

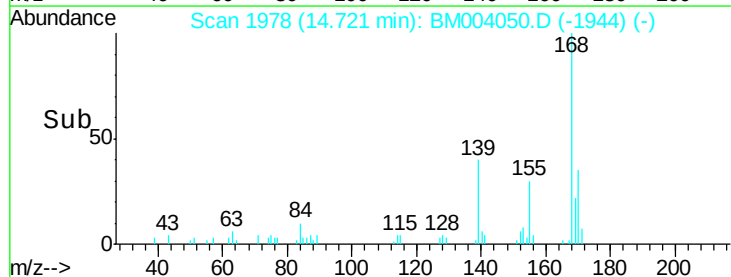
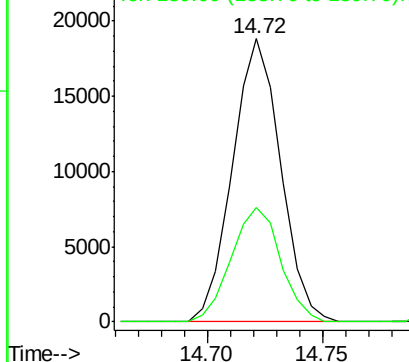
Lab File: BM004050.D

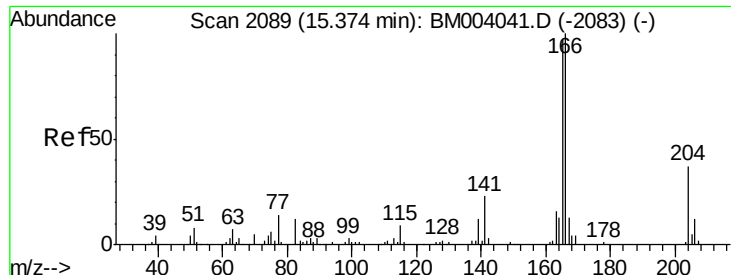
Acq: 15 Jan 2016 16:36

Tgt Ion:	168	Resp:	27350
Ion Ratio	Lower	Upper	
168	100		
139	40.4	32.2	48.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





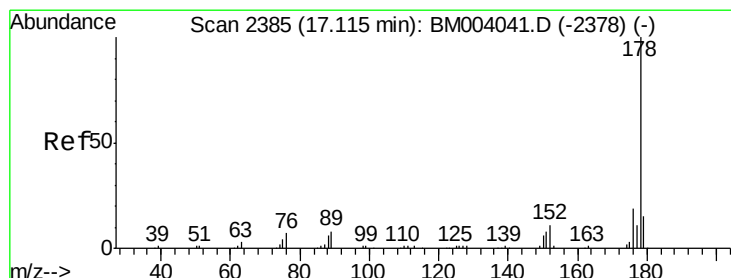
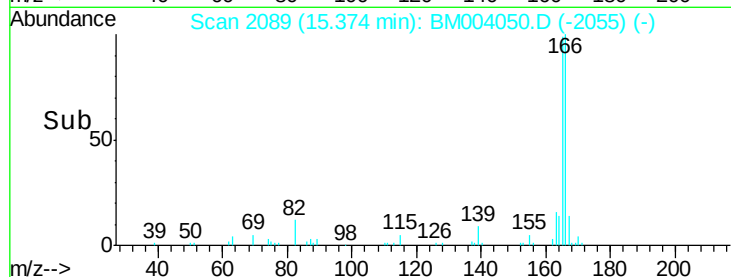
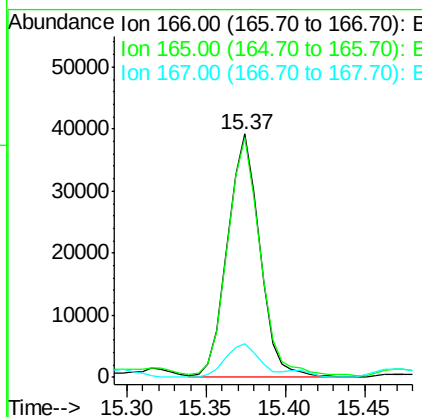
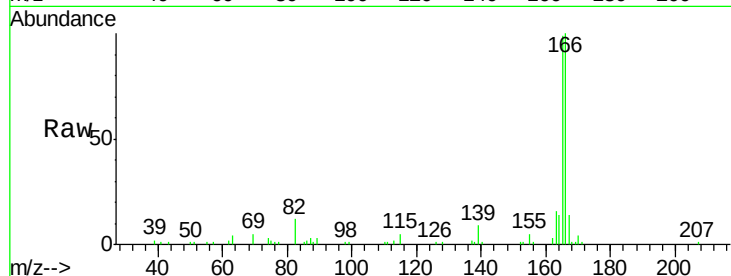
#59
 Fluorene
 Concen: 6.48 ng/ul
 RT: 15.37 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: BM004050.D
 Acq: 15 Jan 2016 16:36

Instrument :
 BNA_M
 ClientSampled :
 BC990

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	55510		
165	98.7	78.5	117.7	
167	13.8	10.7	16.1	

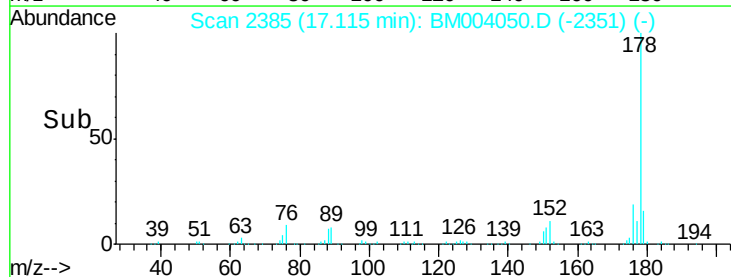
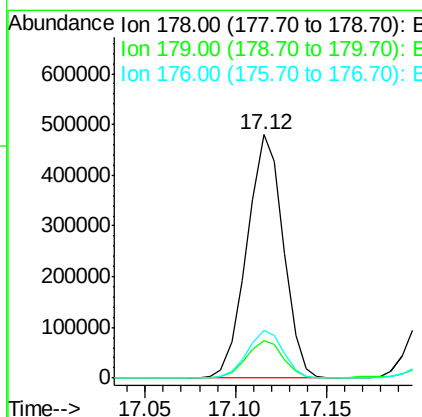
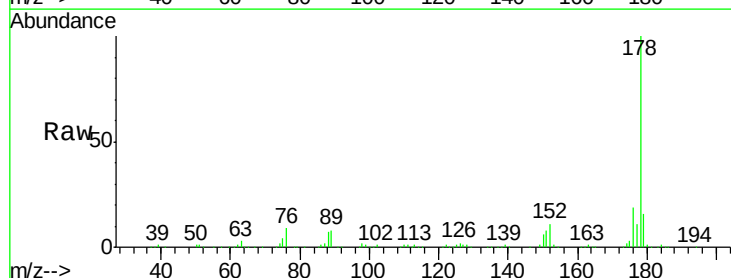
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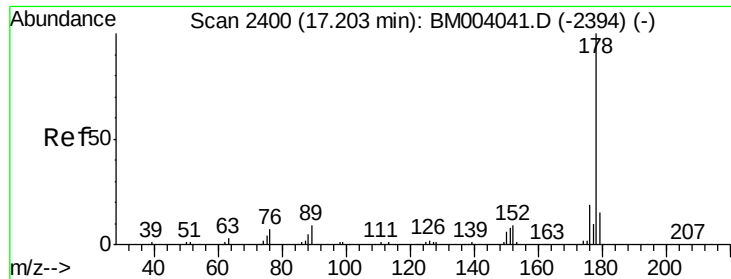
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#70
 Phenanthrene
 Concen: 50.41 ng/ul
 RT: 17.12 min Scan# 2385
 Delta R.T. 0.00 min
 Lab File: BM004050.D
 Acq: 15 Jan 2016 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	670093		
179	15.6	12.2	18.4	
176	19.5	15.6	23.4	





#72

Anthracene

Concen: 13.67 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004050.D

Acq: 15 Jan 2016 16:36

Instrument :

BNA_M

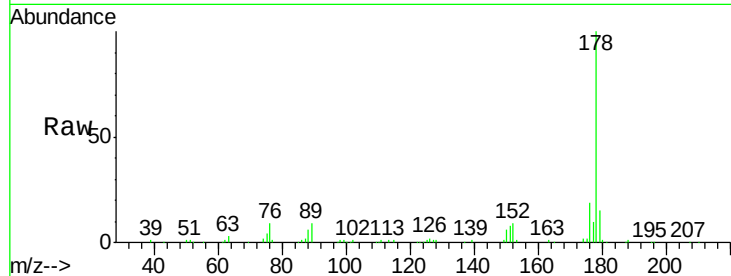
ClientSampleId :

BC990

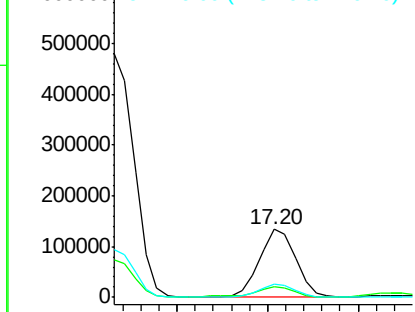
Tgt Ion:	178	Resp:	186463
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.1	18.1
176	18.6	14.8	22.2

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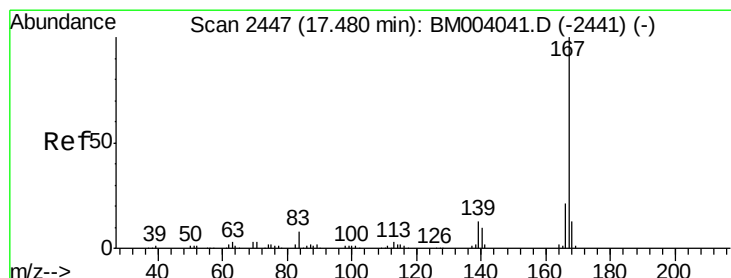
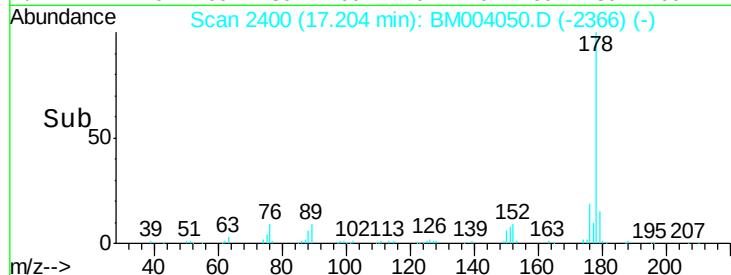
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Carbazole

Concen: 1.37 ng/ul

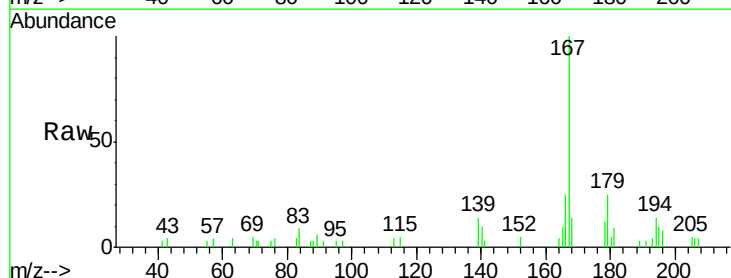
RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

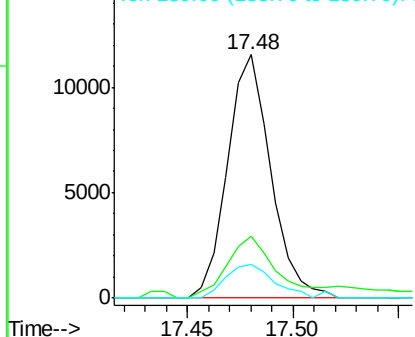
Lab File: BM004050.D

Acq: 15 Jan 2016 16:36

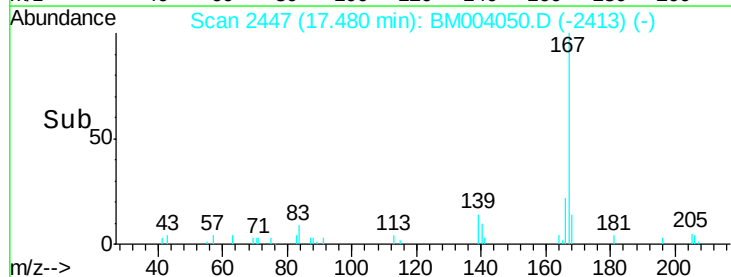
Tgt Ion:	167	Resp:	16386
Ion Ratio	Lower	Upper	
167	100		
166	25.2	17.0	25.6
139	13.7	11.0	16.4

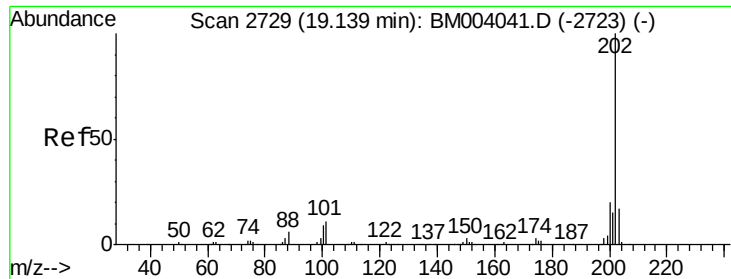


Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->





#77

Fluoranthene

Concen: 55.60 ng/ul

RT: 19.14 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM004050.D

Acq: 15 Jan 2016 16:36

Instrument :

BNA_M

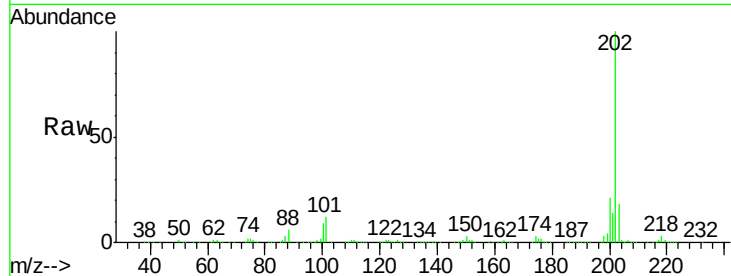
ClientSampleId :

BC990

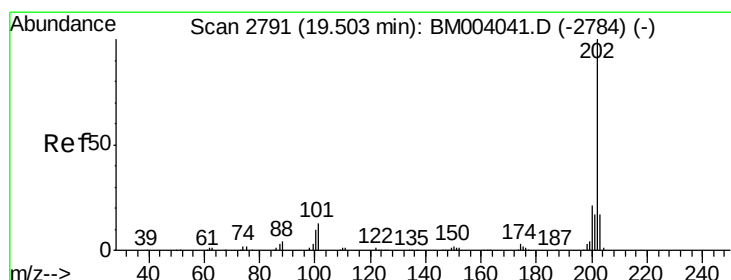
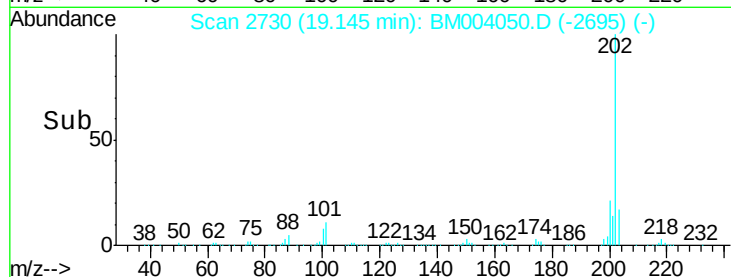
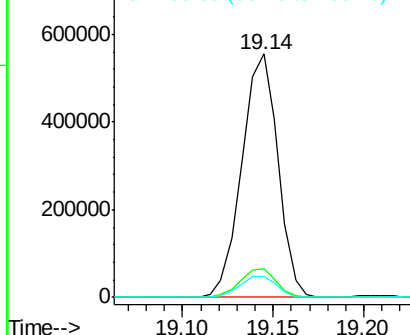
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	8.8	13.2
100	8.6	6.6	9.8

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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: 62.36 ng/ul

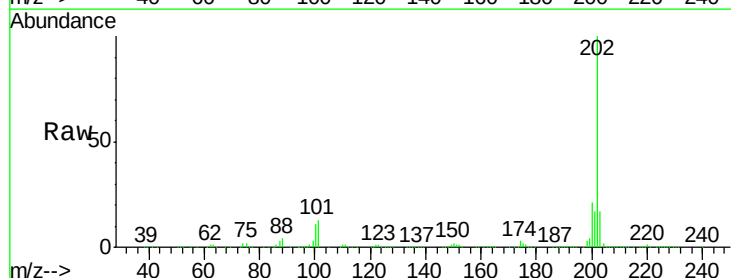
RT: 19.51 min Scan# 2792

Delta R.T. 0.01 min

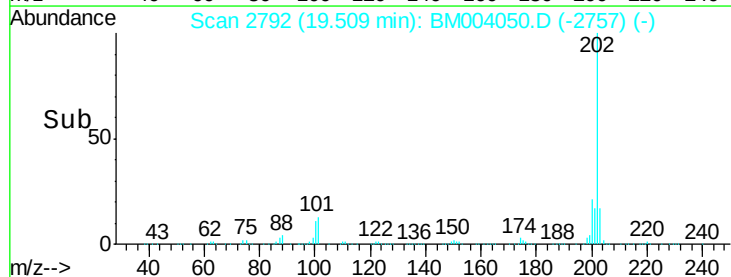
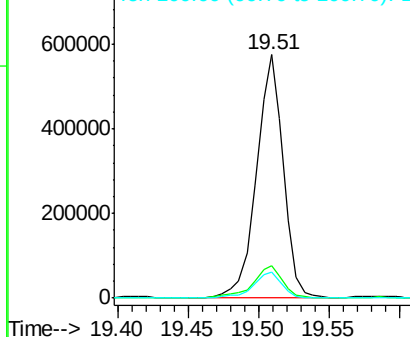
Lab File: BM004050.D

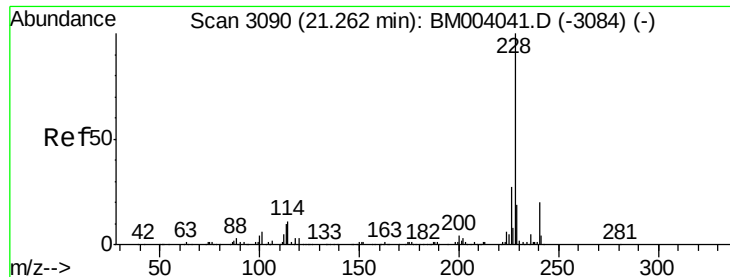
Acq: 15 Jan 2016 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.4	10.2	15.2
100	10.9	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





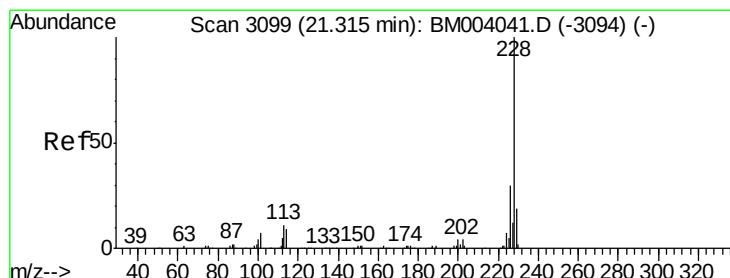
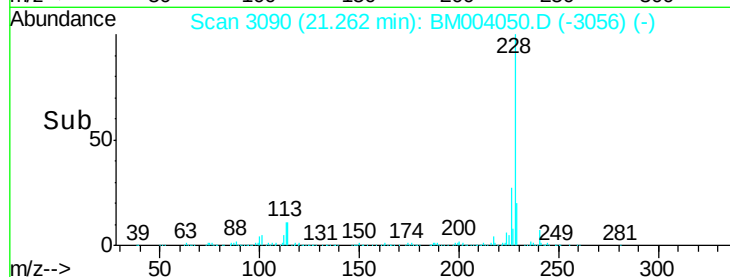
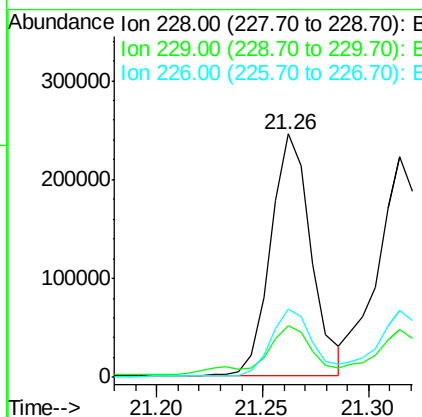
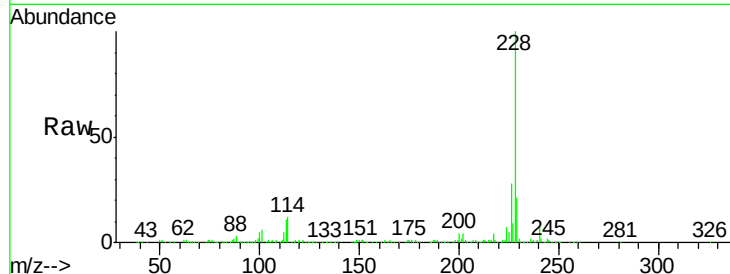
#83
Benzo(a)anthracene
Concen: 30.15 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Instrument :
BNA_M
ClientSampleId :
BC990

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.7	23.5
226	28.0	21.8	32.6

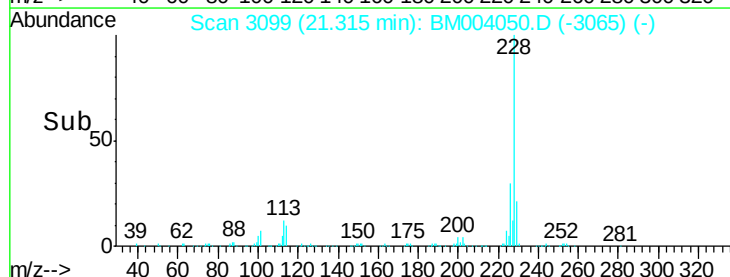
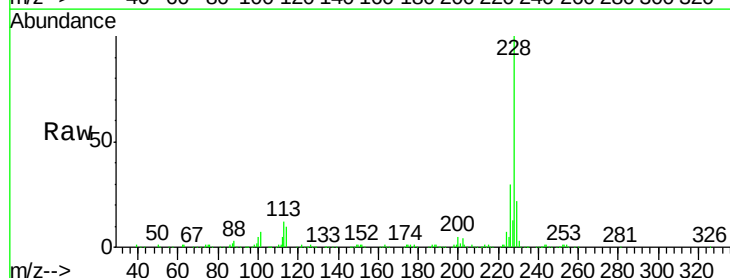
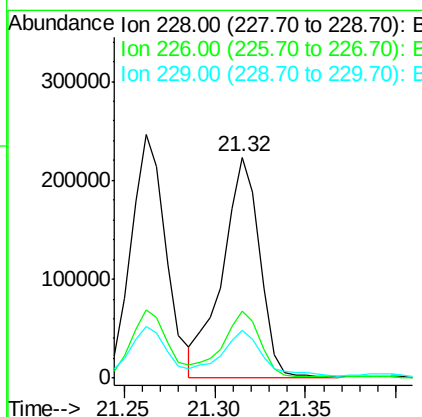
Manual Integrations
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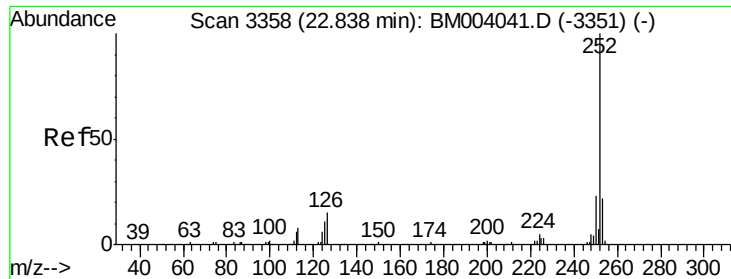
Sohil
1/16/2016 5:01:12 AM



#85
Chrysene
Concen: 30.98 ng/ul
RT: 21.32 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	21.8	15.6	23.4





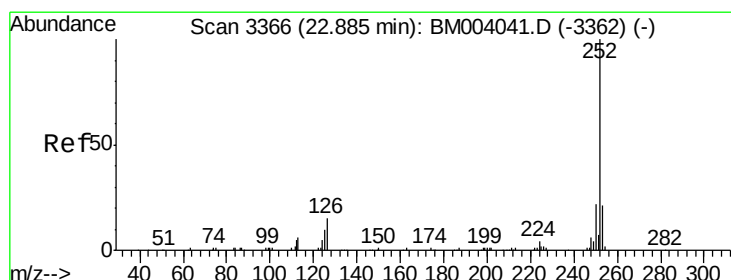
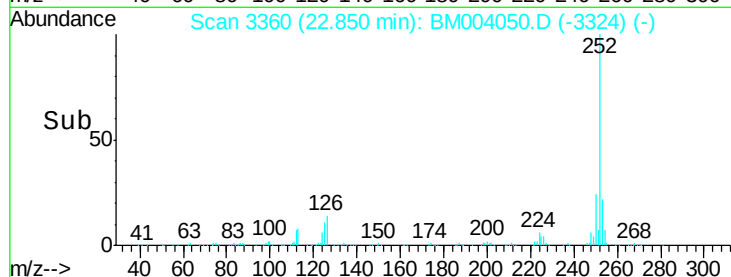
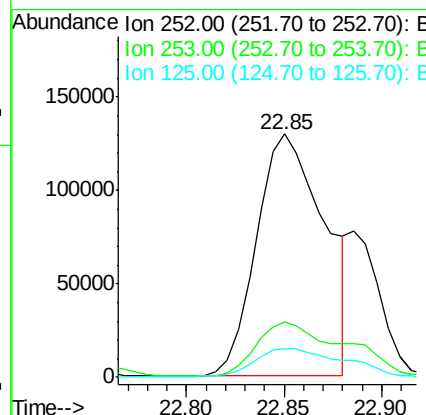
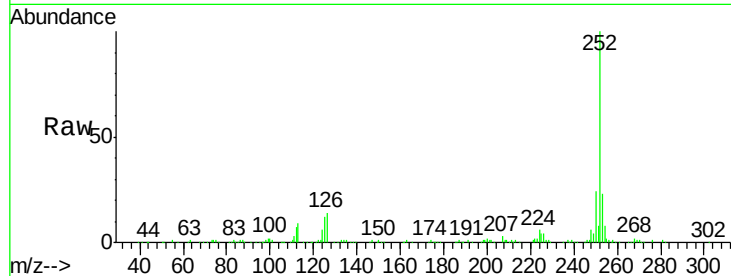
#88
Benzo(b)fluoranthene
Concen: 30.30 ng/ul
RT: 22.85 min Scan# 3360
Delta R.T. 0.01 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Instrument :
BNA_M
ClientSampleId :
BC990

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	17.5	26.3
125	11.5	8.5	12.7

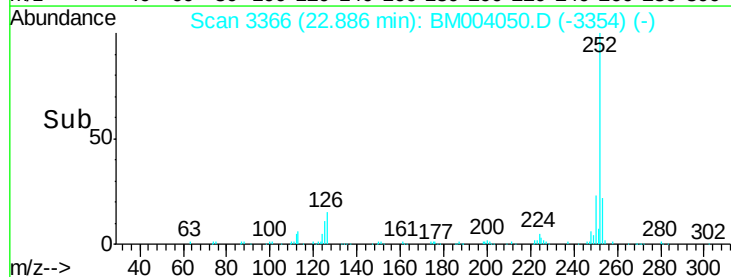
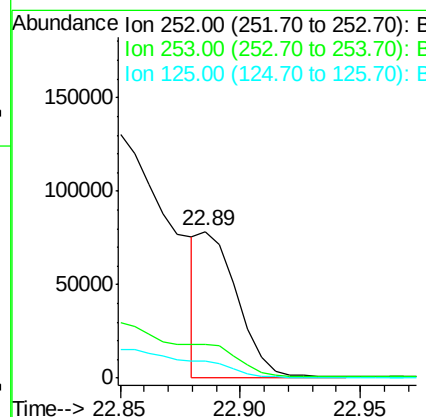
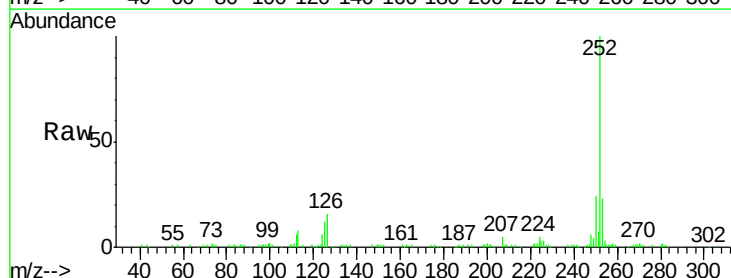
Manual Integrations
APPROVED

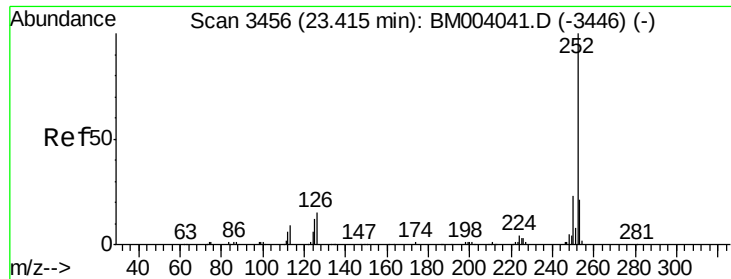
Sohil
1/16/2016 5:01:12 AM



#89
Benzo(k)fluoranthene
Concen: 8.93 ng/ul m
RT: 22.89 min Scan# 3366
Delta R.T. 0.00 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.9	17.3	25.9
125	11.5	8.2	12.2





#91

Benzo(a)pyrene

Concen: 24.58 ng/ul

RT: 23.42 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM004050.D

Acq: 15 Jan 2016 16:36

Instrument :

BNA_M

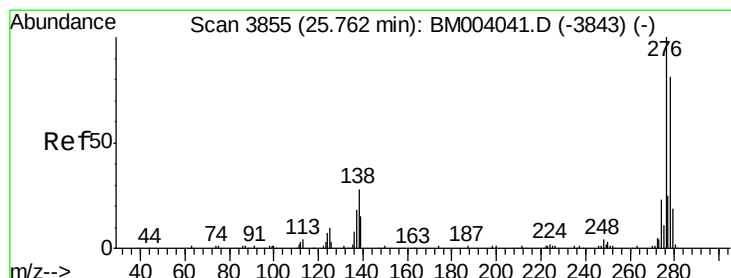
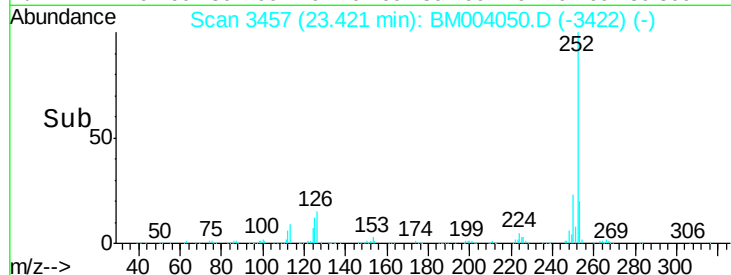
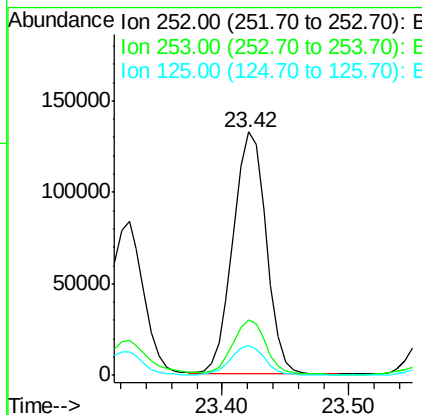
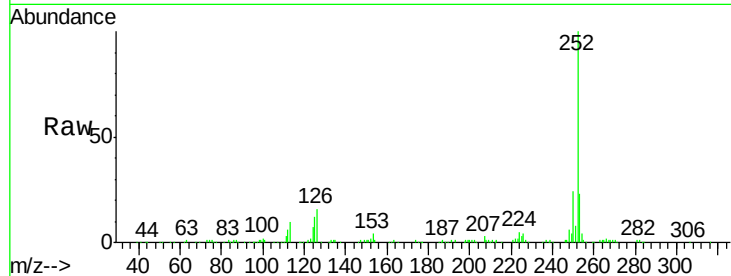
ClientSampled :

BC990

Tgt Ion:	252	Resp:	240721
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	12.5	9.0	13.6

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1/16/2016 5:01:12 AM



#92

Indeno(1,2,3-cd)pyrene

Concen: 12.64 ng/ul

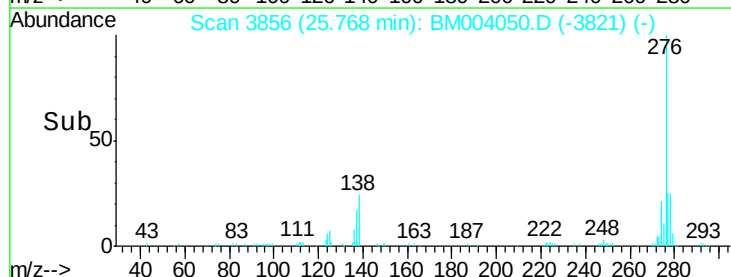
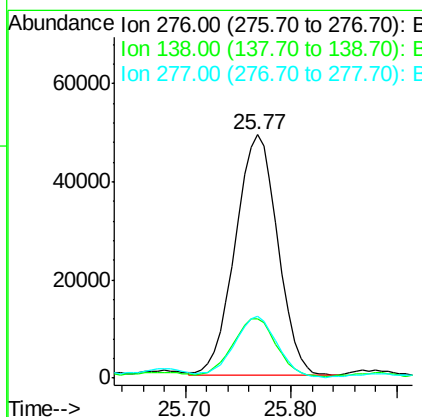
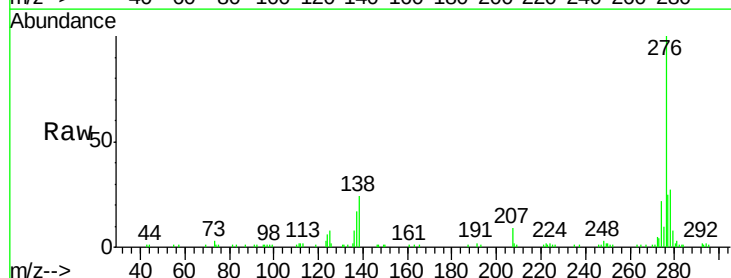
RT: 25.77 min Scan# 3856

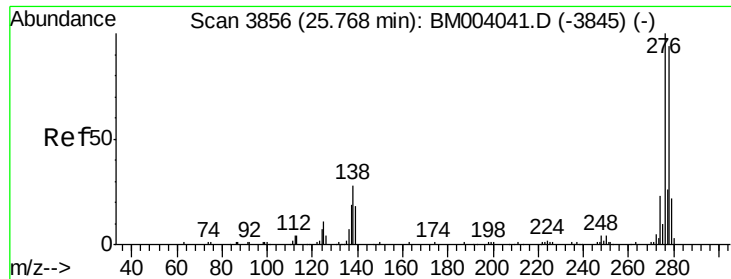
Delta R.T. 0.01 min

Lab File: BM004050.D

Acq: 15 Jan 2016 16:36

Tgt Ion:	276	Resp:	136946
Ion Ratio	Lower	Upper	
276	100		
138	24.4	22.3	33.5
277	25.3	20.2	30.2





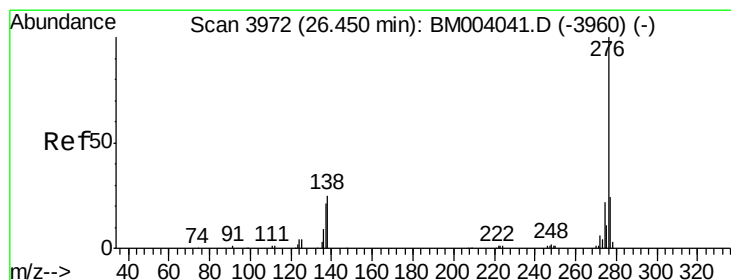
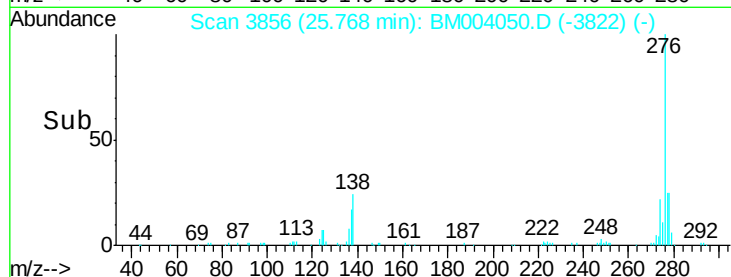
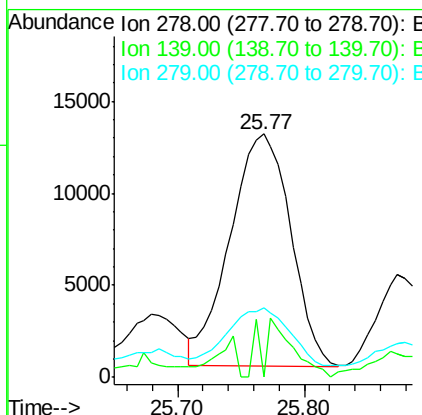
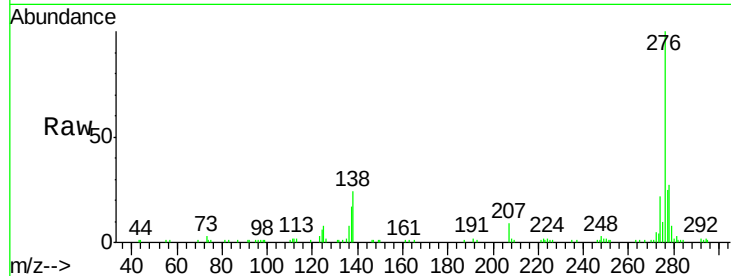
#93
Dibenzo(a,h)anthracene
Concen: 4.61 ng/ul
RT: 25.77 min Scan# 3856
Delta R.T. 0.00 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Instrument :
BNA_M
ClientSampleId :
BC990

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.9	20.9#
279	28.3	19.0	28.4

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#94
Benzo(g,h,i)perylene
Concen: 12.13 ng/ul
RT: 26.46 min Scan# 3974
Delta R.T. 0.01 min
Lab File: BM004050.D
Acq: 15 Jan 2016 16:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	18.9	28.3
277	24.6	19.2	28.8

