

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
 Data File : BM005065.D
 Acq On : 26 Apr 2016 03:08
 Operator : UM/SJ
 Sample : H2584-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BC7Q1

Manual Integrations
 APPROVED

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 4/26/2016 6:00:18 PM

Quant Time: Apr 26 05:28:21 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 26 00:45:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	21888	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	92538	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.44	164	88830	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	208305	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	244116	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	217632	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	2142	4.97	ng/uL	0.00
5) Phenol-d5	6.97	99	50742	28.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	104909	101.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	126284	88.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	92014	59.94	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	78960	123.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	91566	128.06	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.23	165	152650	112.38	ng/ul	0.02
29) 4-Chloroaniline-d4	10.76	131	7452	4.68	ng/ul	0.04
43) Dimethylphthalate-d6	13.85	166	505920	72.12	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	595807	71.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	29938m	24.41	ng/ul	0.01
57) Fluorene-d10	15.44	176	423538	68.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	97238	82.07	ng/ul	0.00
70) Anthracene-d10	17.29	188	660127	70.67	ng/ul	0.00
76) Pyrene-d10	19.59	212	750100	67.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	719558	73.79	ng/ul	0.00

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.33	88	1866	2.34	ng/uL	96
6) Phenol	6.99	94	7184	3.81	ng/ul#	86
11) 2-Methylphenol	8.25	108	8697	5.90	ng/ul	95
14) Acetophenone	8.63	105	6974	3.02	ng/ul	97
16) 4-Methylphenol	8.56	108	20924	12.76	ng/ul	93
24) 2,4-Dimethylphenol	9.81	107	15053	9.00	ng/ul#	92
28) Naphthalene	10.74	128	17369980	3721.70	ng/ul	97
34) 2-Methylnaphthalene	12.26	142	1064706	308.18	ng/ul	99
40) 1,1'-Biphenyl	13.27	154	200804	28.58	ng/ul	99
44) Dimethylphthalate	13.90	163	8865	1.26	ng/ul#	97
47) Acenaphthylene	14.16	152	153215	17.33	ng/ul	97
49) Acenaphthene	14.51	153	691709	118.93	ng/ul	99
53) Dibenzofuran	14.84	168	748123	87.22	ng/ul	97
58) Fluorene	15.49	166	663197	99.60	ng/ul	99
69) Phenanthrene	17.23	178	1210885	109.23	ng/ul	99
71) Anthracene	17.32	178	285496	25.55	ng/ul	99
72) Carbazole	17.59	167	573894	59.89	ng/ul	99
74) Fluoranthene	19.24	202	320760	26.29	ng/ul	98
77) Pyrene	19.61	202	195491	13.86	ng/ul	98
80) Benzo(a)anthracene	21.36	228	26465	1.89	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.28	149	10041	1.32	ng/ul	98
82) Chrysene	21.41	228	19286m	1.44	ng/ul	
85) Benzo(b)fluoranthene	22.97	252	14090	1.07	ng/ul	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

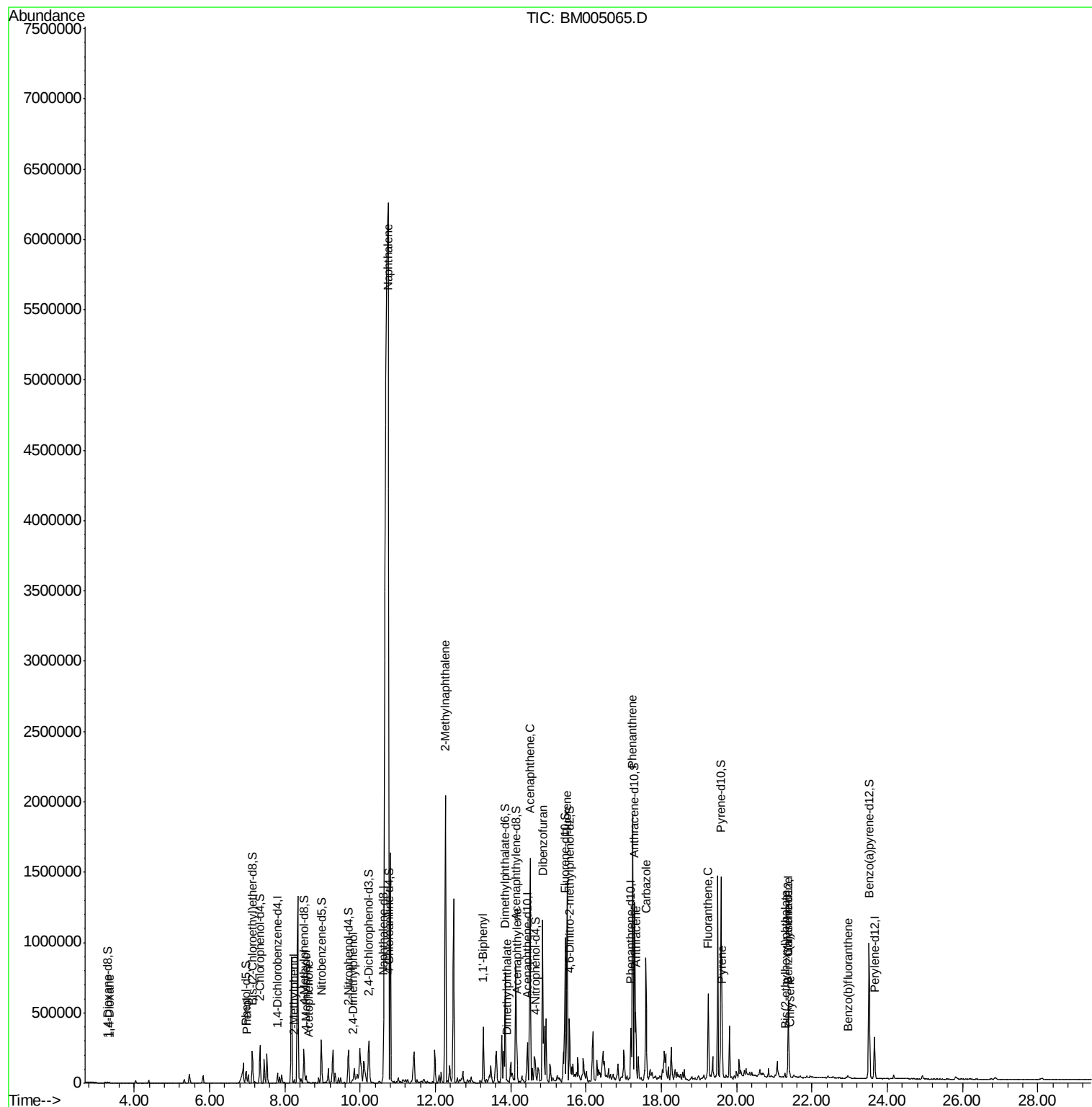
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005065.D
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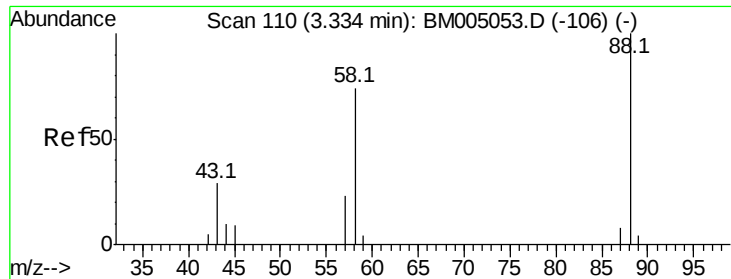
Instrument :
BNA_M
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#2

1,4-Dioxane

Concen: 2.34 ng/uL

RT: 3.33 min Scan# 110

Delta R.T. 0.00 min

Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

Instrument :

BNA_M

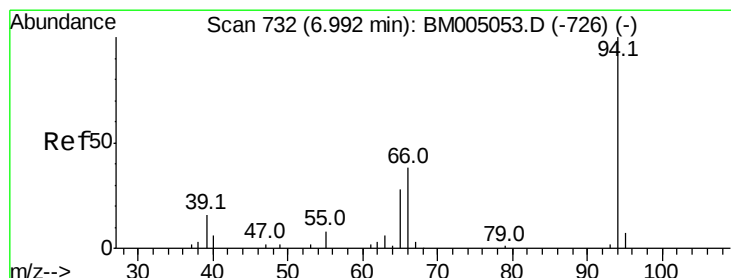
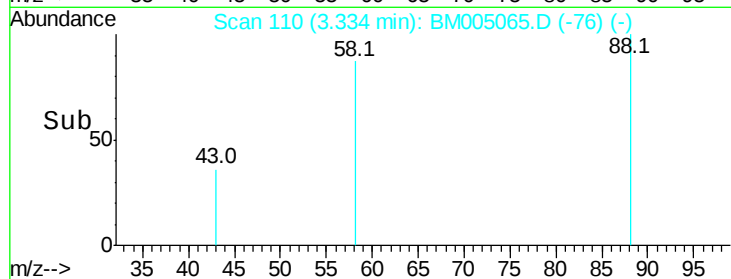
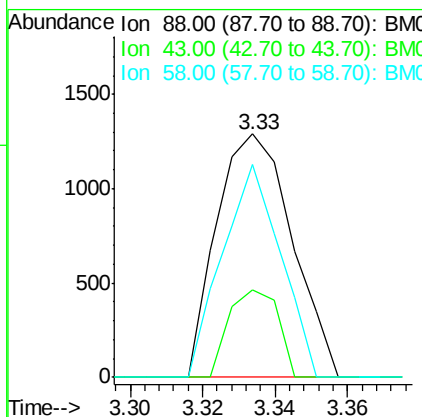
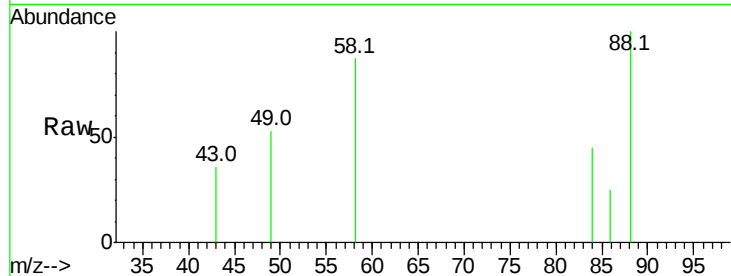
ClientSampleId :

BC7Q1

Tot Ion:	88	Resp:	1866
Ion	Ratio	Lower	Upper
88	100		
43	23.6	23.0	34.4
58	67.9	55.4	83.2

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#6

Phenol

Concen: 3.81 ng/uL

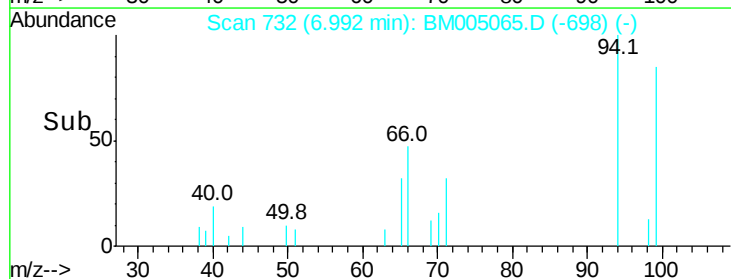
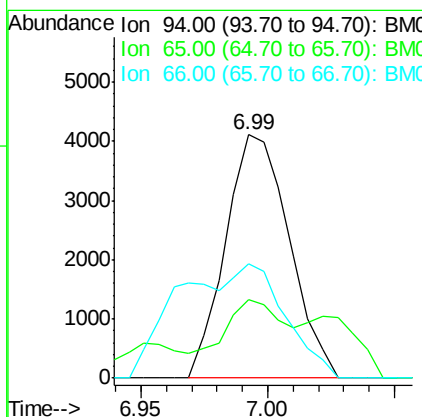
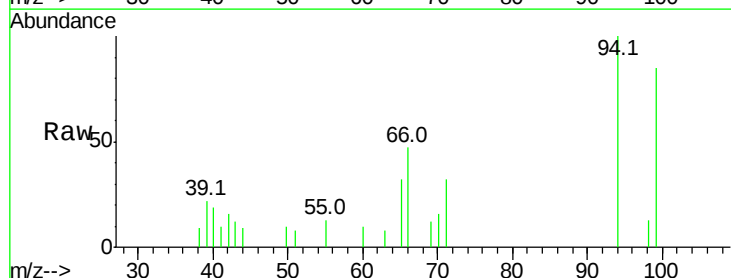
RT: 6.99 min Scan# 732

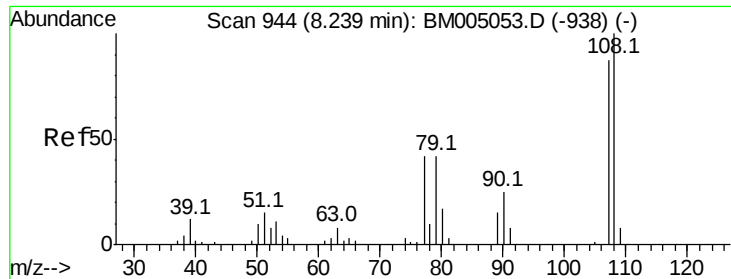
Delta R.T. 0.00 min

Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

Tgt Ion:	94	Resp:	7184
Ion	Ratio	Lower	Upper
94	100		
65	32.0	21.6	32.4
66	47.2	29.6	44.4#





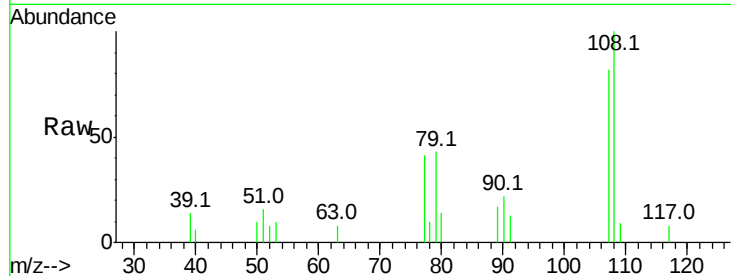
#11
2-Methylphenol
Concen: 5.90 ng/ul
RT: 8.25 min Scan# 945
Delta R.T. 0.01 min
Lab File: BM005065.D
Acq: 26 Apr 2016 03:08

Instrument :
BNA_M
ClientSampleId :
BC7Q1

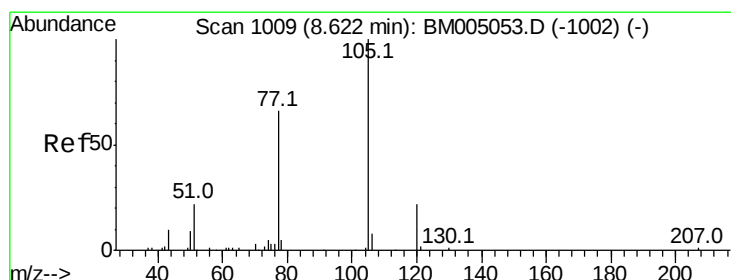
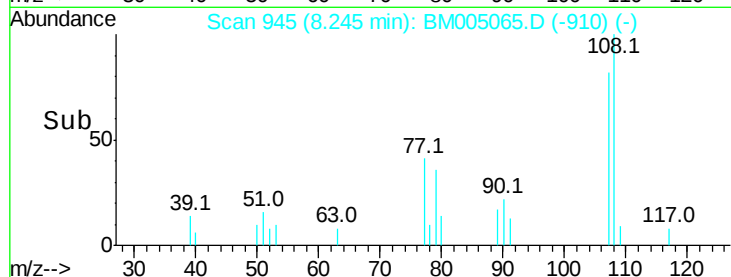
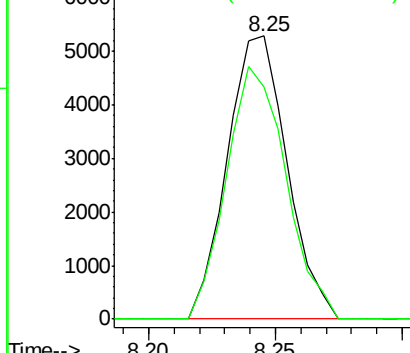
Tot Ion:108 Resp: 8697
Ion Ratio Lower Upper
108 100
107 82.2 69.4 104.0

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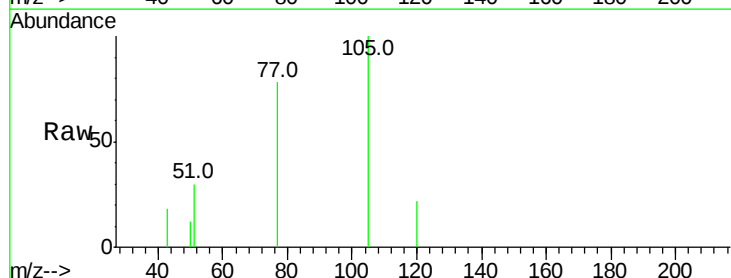


Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

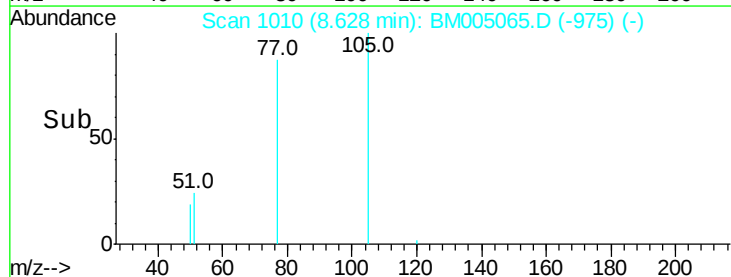
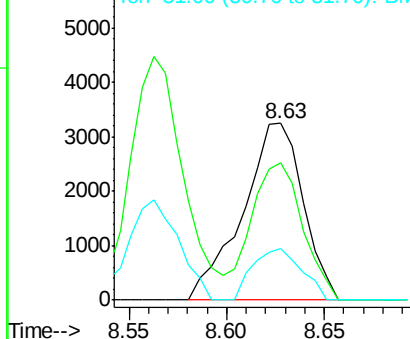


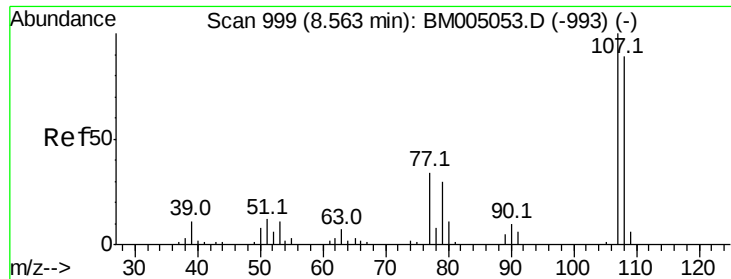
#14
Acetophenone
Concen: 3.02 ng/ul
RT: 8.63 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BM005065.D
Acq: 26 Apr 2016 03:08

Tgt Ion:105 Resp: 6974
Ion Ratio Lower Upper
105 100
77 77.8 61.4 92.0
51 29.5 20.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 51.00 (50.70 to 51.70): BM0





#16

4-Methylphenol

Concen: 12.76 ng/ul

RT: 8.56 min Scan# 999

Delta R.T. 0.00 min

Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

Instrument :

BNA_M

ClientSampleId :

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Tot Ion:108 Resp: 20924

Ion Ratio Lower Upper

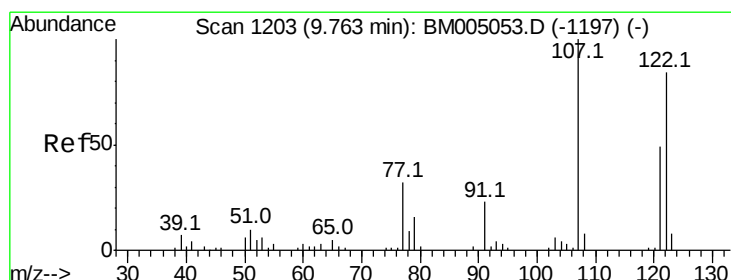
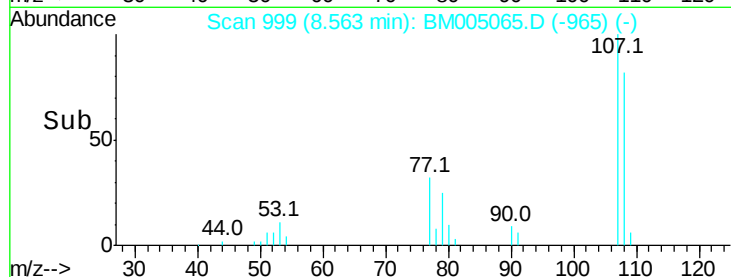
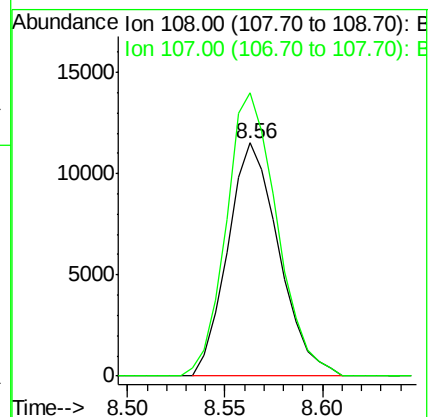
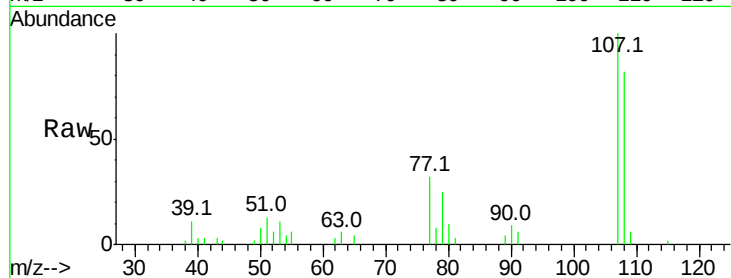
108 100

107 121.5 91.0 136.6

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#24

2,4-Dimethylphenol

Concen: 9.00 ng/ul

RT: 9.81 min Scan# 1211

Delta R.T. 0.05 min

Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

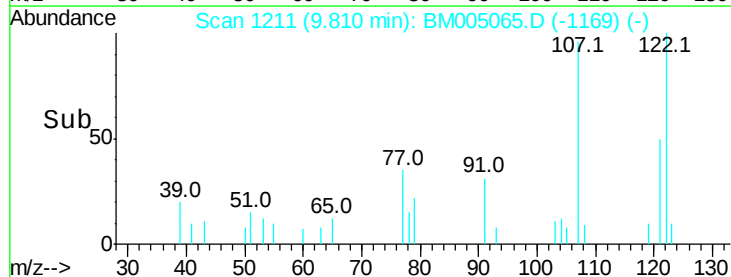
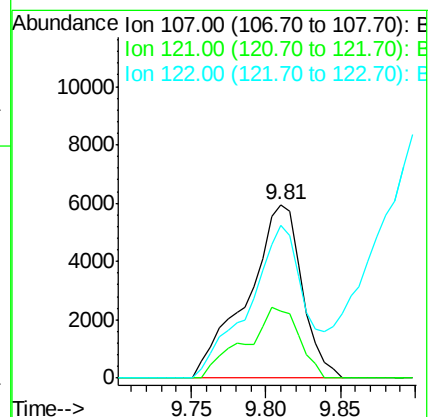
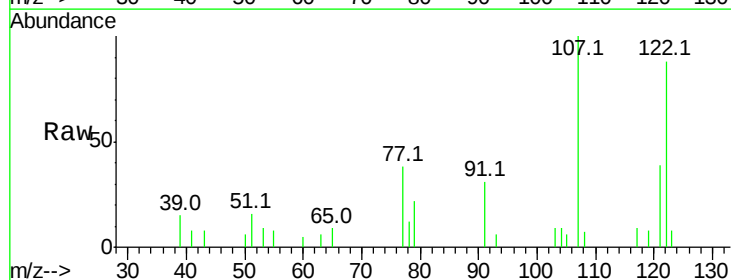
Tgt Ion:107 Resp: 15053

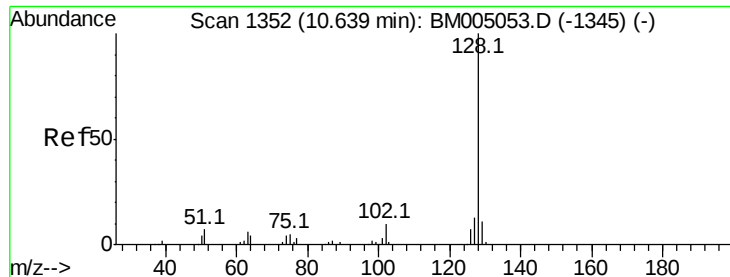
Ion Ratio Lower Upper

107 100

121 38.9 39.8 59.8#

122 88.2 68.5 102.7





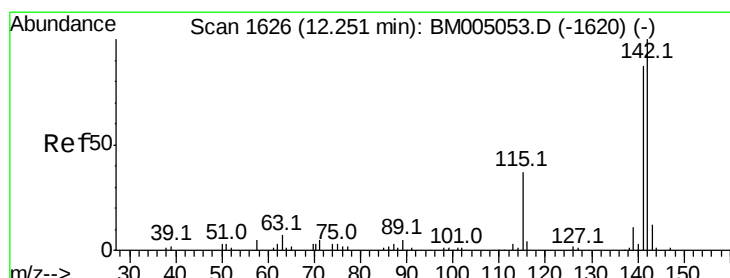
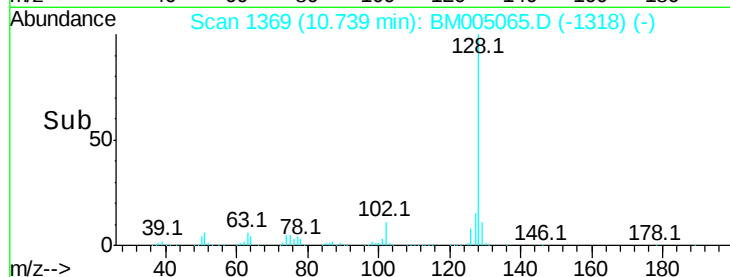
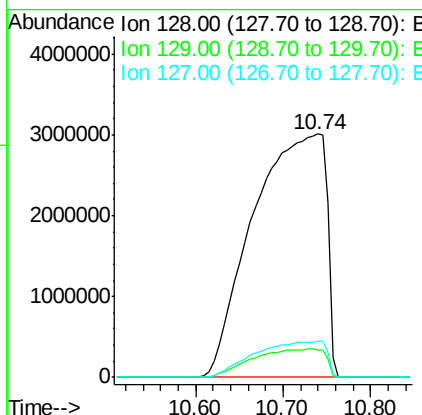
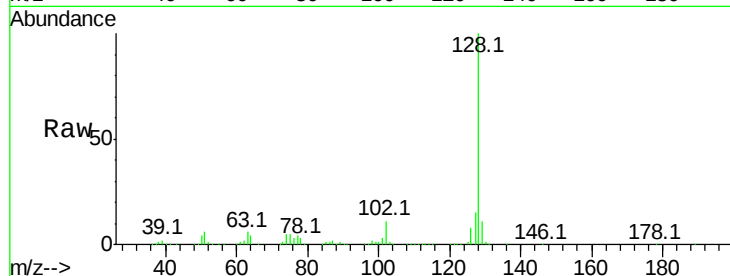
#28
Naphthalene
Concen: 3721.70 ng/ul
RT: 10.74 min Scan# 1369
Delta R.T. 0.10 min
Lab File: BM005065.D
Acq: 26 Apr 2016 03:08

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ClientSampleId :
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Tot Ion:128 Resp:17369980
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 14.8 10.6 15.8

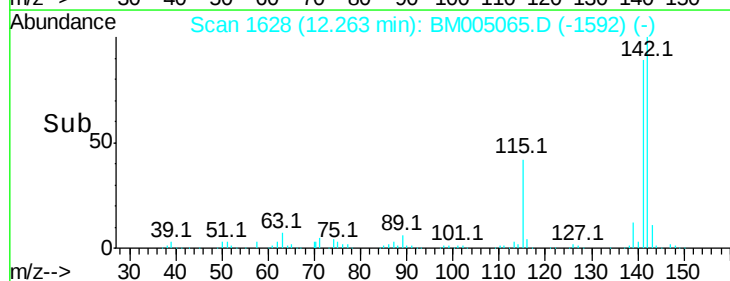
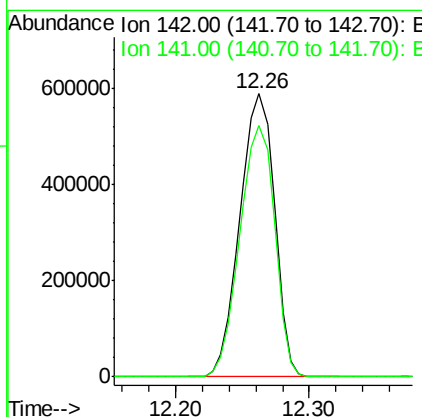
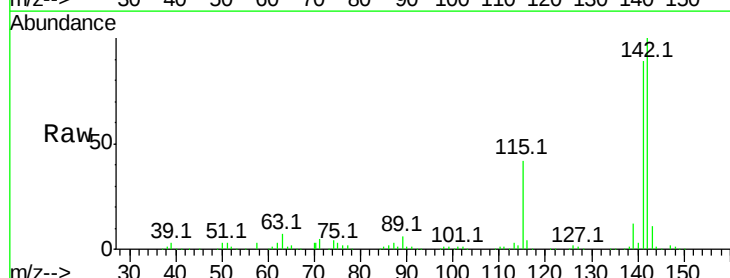
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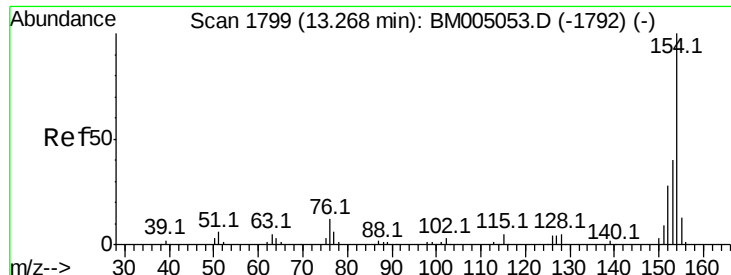
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#34
2-Methylnaphthalene
Concen: 308.18 ng/ul
RT: 12.26 min Scan# 1628
Delta R.T. 0.01 min
Lab File: BM005065.D
Acq: 26 Apr 2016 03:08

Tgt Ion:142 Resp: 1064706
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5





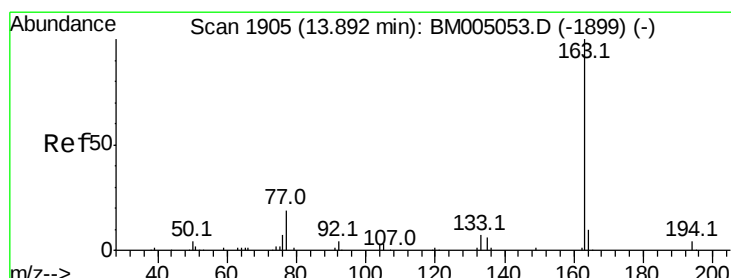
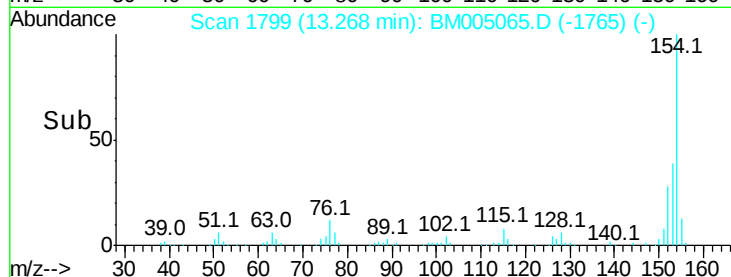
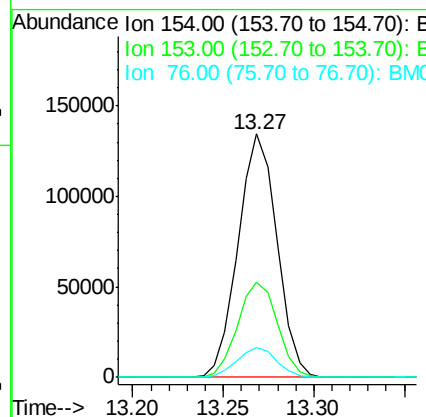
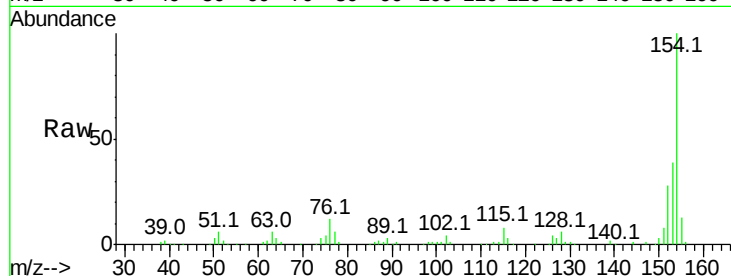
#40
 1,1'-Biphenyl
 Concen: 28.58 ng/ul
 RT: 13.27 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: BM005065.D
 Acq: 26 Apr 2016 03:08

Instrument :
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Tot Ion:	154	Resp:	200804
Ion Ratio	Lower	Upper	
154	100		
153	39.0	31.5	47.3
76	12.0	10.1	15.1

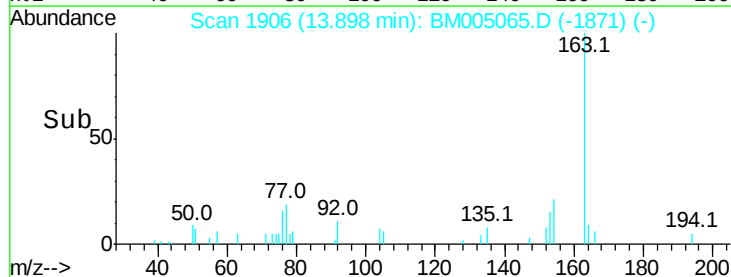
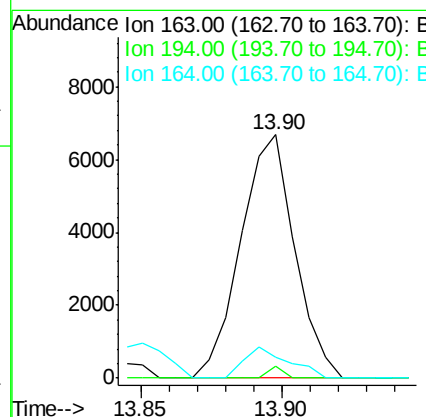
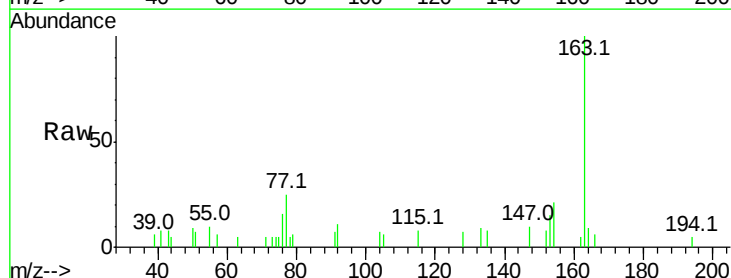
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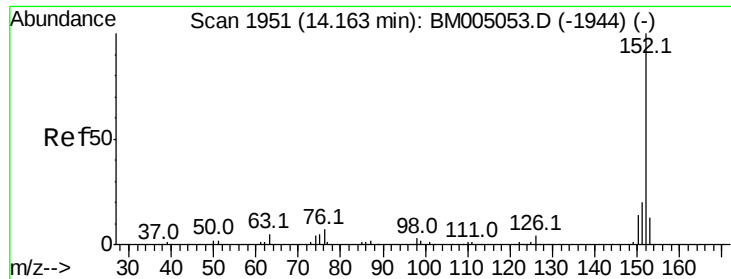
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#44
 Dimethylphthalate
 Concen: 1.26 ng/ul
 RT: 13.90 min Scan# 1906
 Delta R.T. 0.01 min
 Lab File: BM005065.D
 Acq: 26 Apr 2016 03:08

Tgt Ion:	163	Resp:	8865
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.3	4.9#
164	8.8	8.2	12.2





#47

Acenaphthylene

Concen: 17.33 ng/ul

RT: 14.16 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

Instrument :

BNA_M

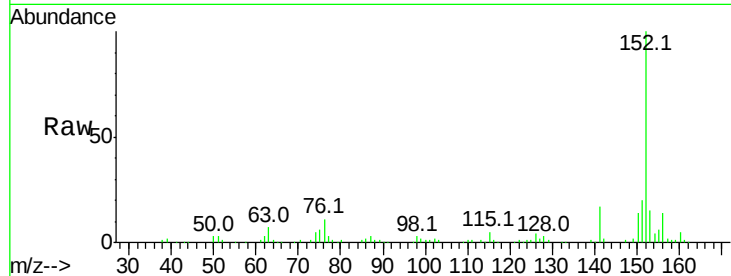
ClientSampleId :

BC7Q1

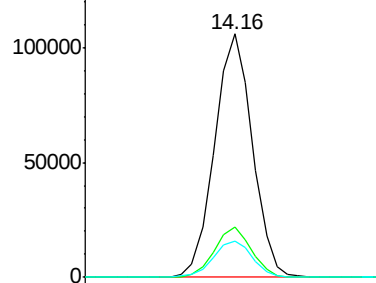
Tot Ion	Ratio	Resp	Lower	Upper
152	100	153215		
151	20.5		15.8	23.8
153	14.8		10.3	15.5

Manual Integrations
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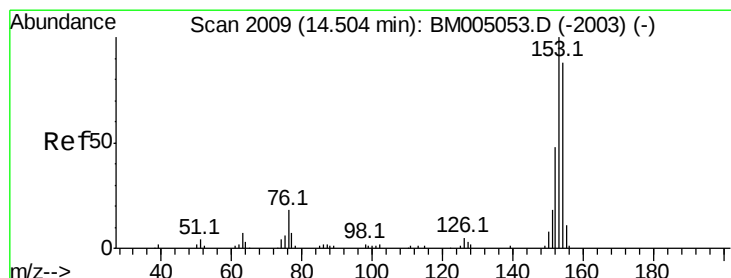
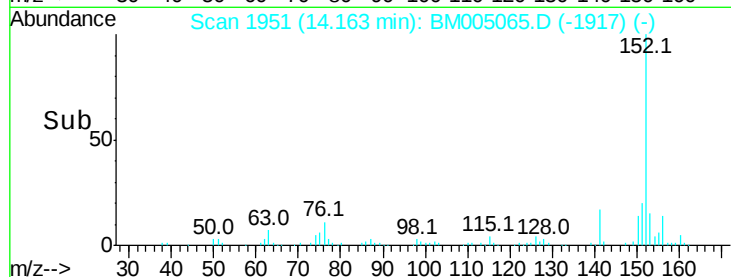
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#49

Acenaphthene

Concen: 118.93 ng/ul

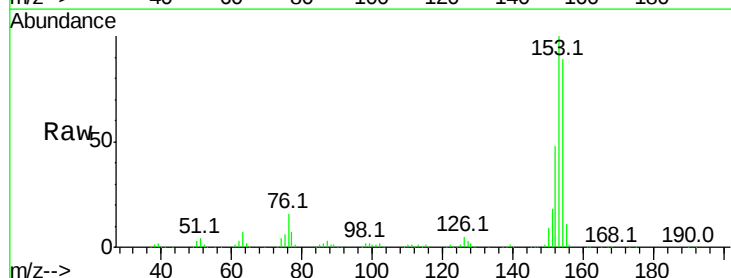
RT: 14.51 min Scan# 2010

Delta R.T. 0.01 min

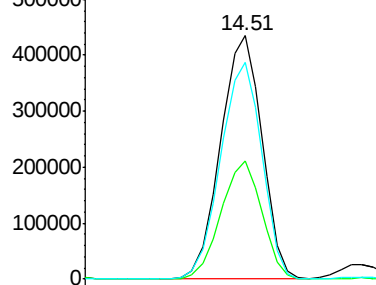
Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

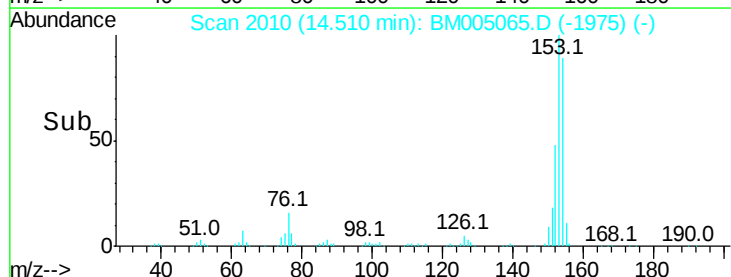
Tgt Ion	Ratio	Resp	Lower	Upper
153	100	691709		
152	48.3		37.7	56.5
154	89.0		71.4	107.2

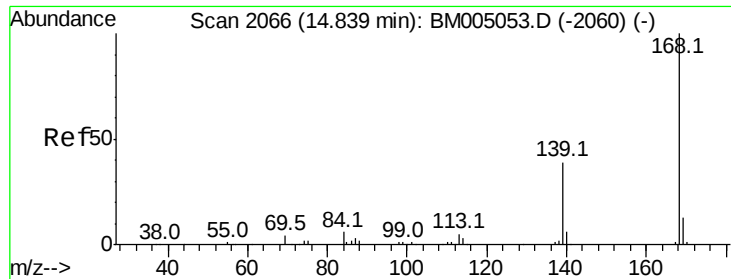


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





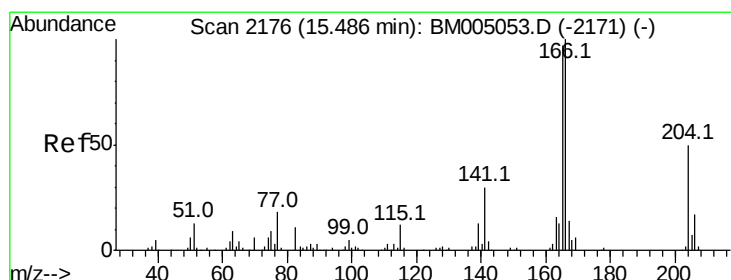
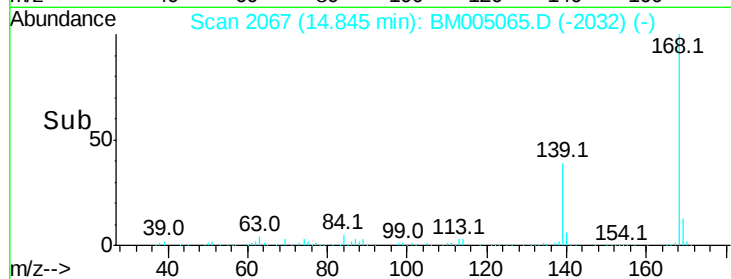
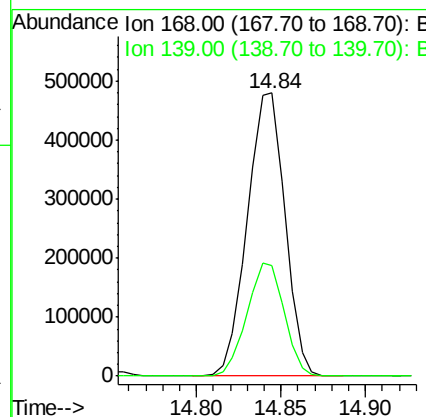
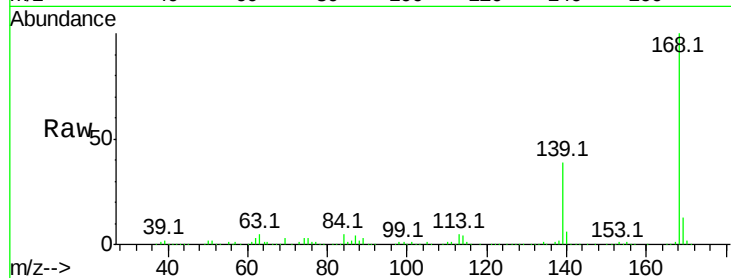
#53
Dibenzenofuran
Concen: 87.22 ng/ul
RT: 14.84 min Scan# 2067
Delta R.T. 0.01 min
Lab File: BM005065.D
Acq: 26 Apr 2016 03:08

Instrument :
BNA_M
ClientSampleId :
BC7Q1

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	29.9	44.9

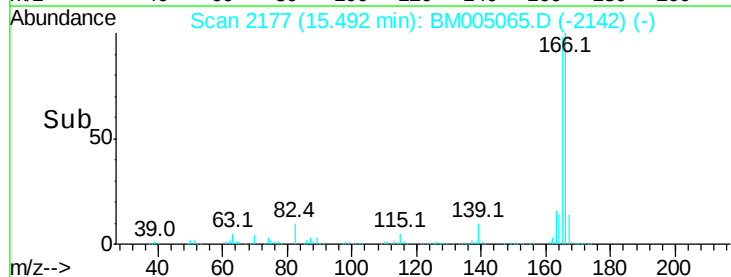
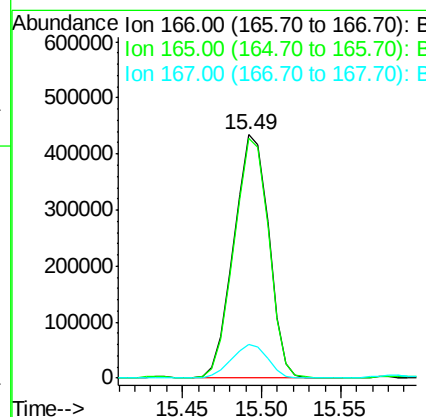
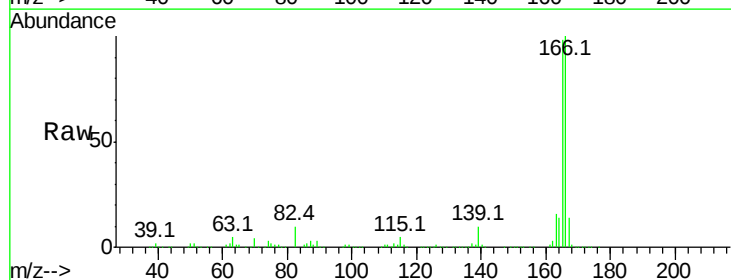
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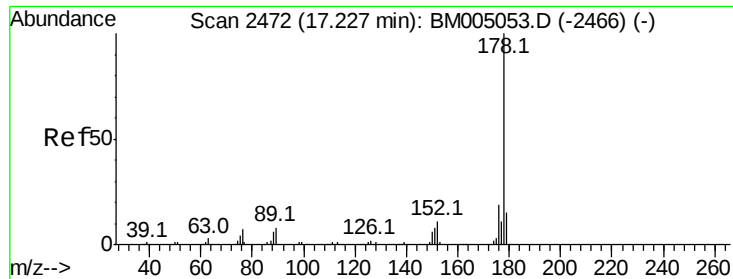
sohil
4/26/2016 6:00:18 PM



#58
Fluorene
Concen: 99.60 ng/ul
RT: 15.49 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BM005065.D
Acq: 26 Apr 2016 03:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	77.7	116.5
167	13.7	10.9	16.3





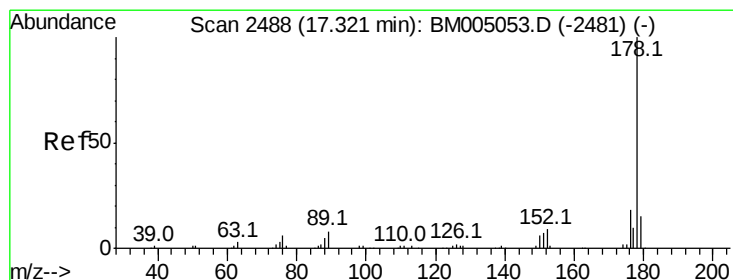
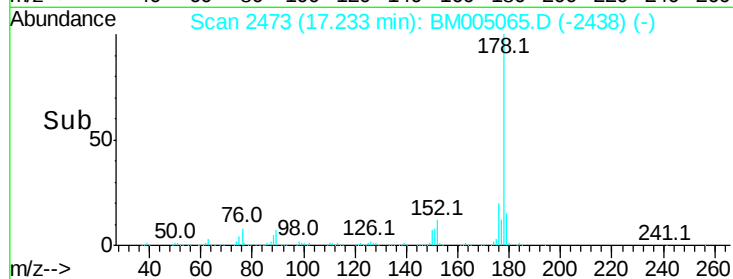
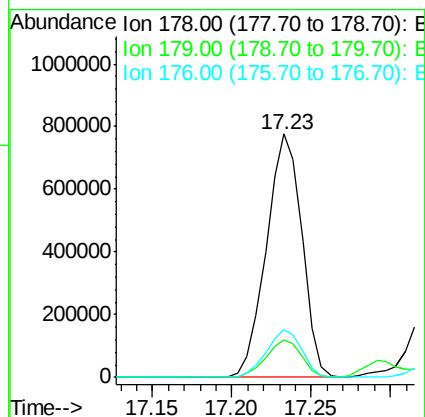
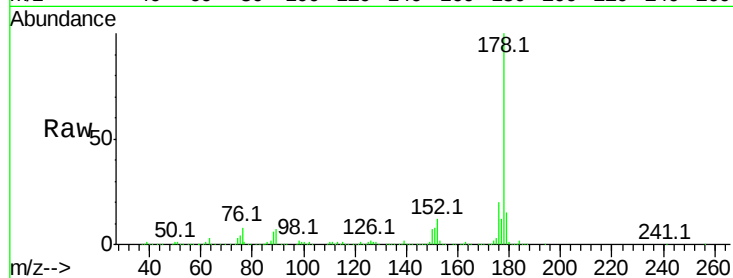
#69
 Phenanthrene
 Concen: 109.23 ng/ul
 RT: 17.23 min Scan# 2473
 Delta R.T. 0.01 min
 Lab File: BM005065.D
 Acq: 26 Apr 2016 03:08

Instrument :
 BNA_M
 ClientSampleID :
 BC7Q1

Tot Ion:178 Resp: 1210885
 Ion Ratio Lower Upper
 178 100
 179 15.5 11.8 17.8
 176 19.5 15.2 22.8

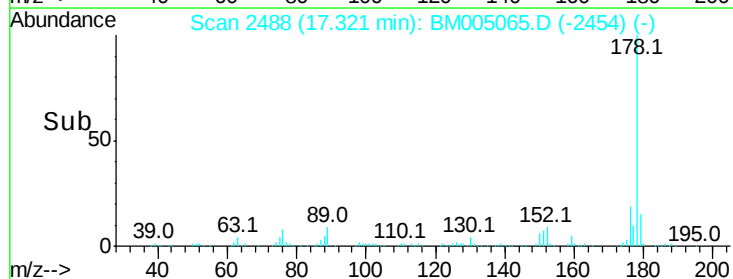
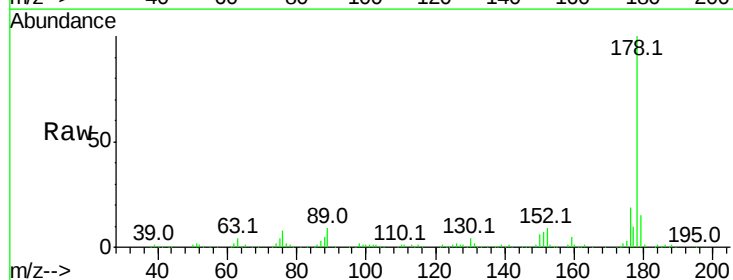
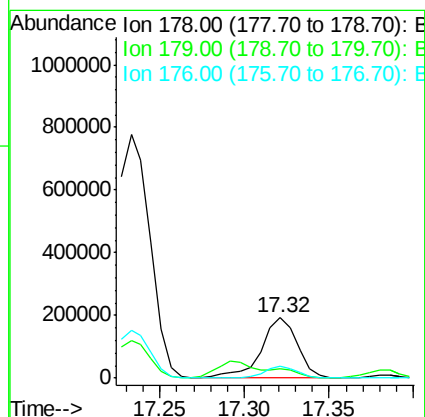
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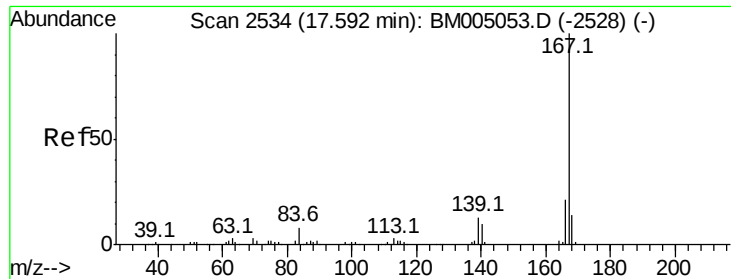
sohil
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#71
 Anthracene
 Concen: 25.55 ng/ul
 RT: 17.32 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: BM005065.D
 Acq: 26 Apr 2016 03:08

Tgt Ion:178 Resp: 285496
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.1 18.1
 176 19.0 14.6 22.0





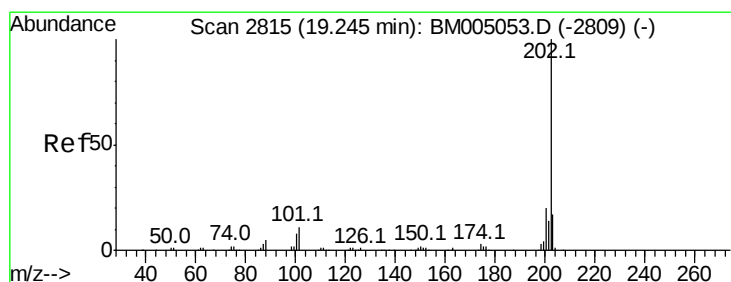
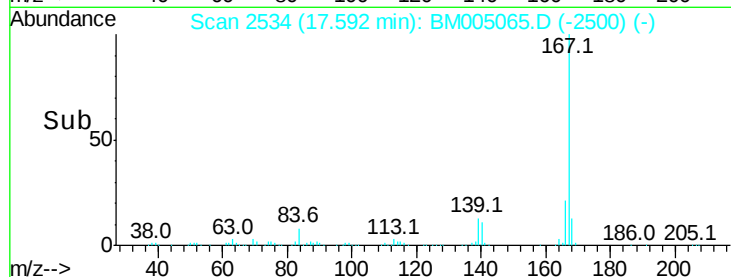
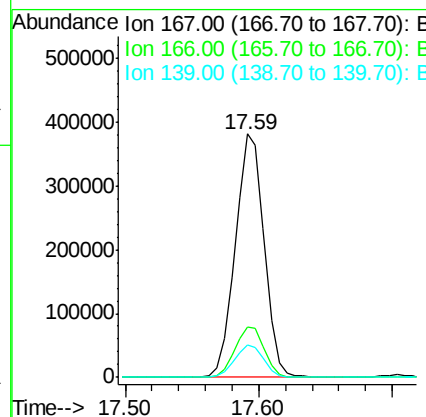
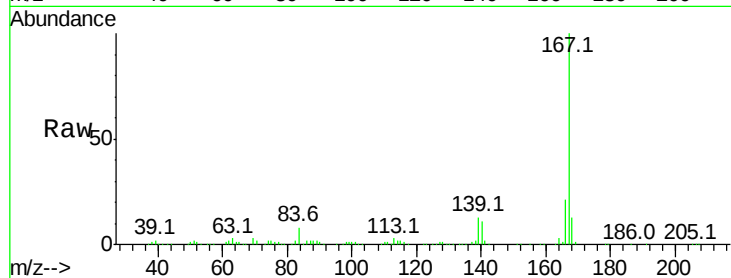
#72
 Carbazole
 Concen: 59.89 ng/ul
 RT: 17.59 min Scan# 2534
 Delta R.T. 0.00 min
 Lab File: BM005065.D
 Acq: 26 Apr 2016 03:08

Instrument :
 BNA_M
 ClientSampled :
 BC7Q1

Tot Ion	Ratio	Resp	Lower	Upper
167	100	573894		
166	20.9		16.6	25.0
139	13.5		10.2	15.4

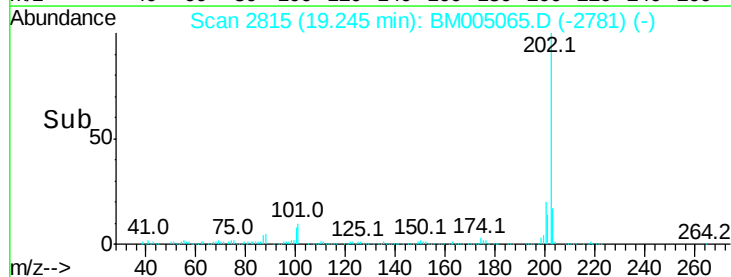
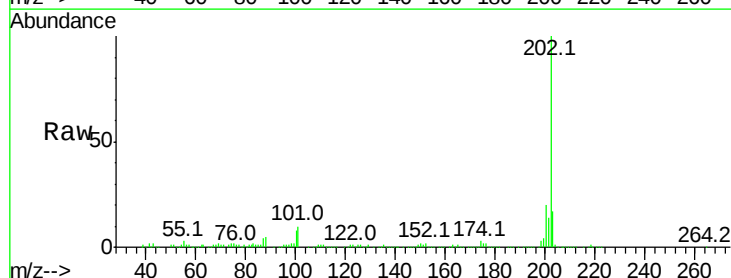
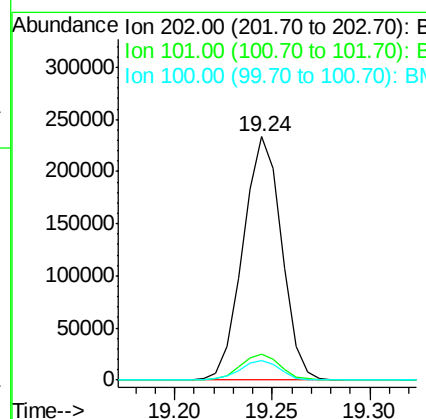
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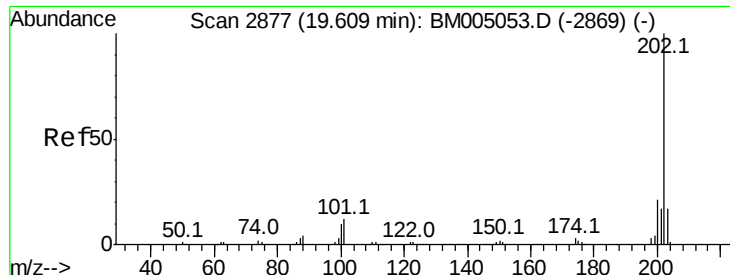
sohil
 4/26/2016 6:00:18 PM



#74
 Fluoranthene
 Concen: 26.29 ng/ul
 RT: 19.24 min Scan# 2815
 Delta R.T. 0.00 min
 Lab File: BM005065.D
 Acq: 26 Apr 2016 03:08

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	320760		
101	10.5		9.0	13.4
100	7.8		6.6	10.0





#77

Pvrene

Concen: 13.86 ng/ul

RT: 19.61 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

Instrument :

BNA_M

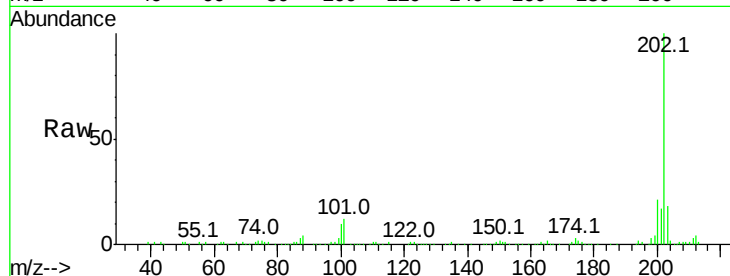
ClientSampleId :

BC7Q1

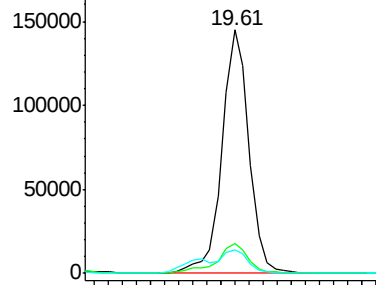
Tot Ion:	202	Resp:	195491
Ion Ratio	Lower	Upper	
202	100		
101	12.4	10.5	15.7
100	9.6	8.2	12.2

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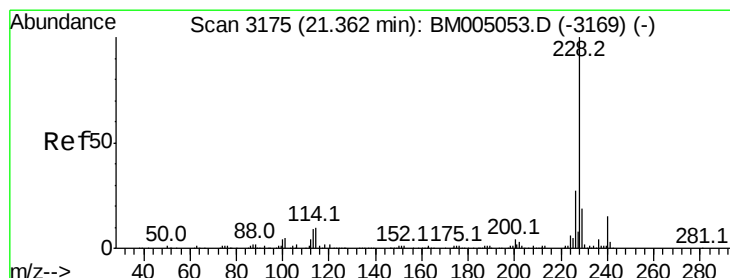
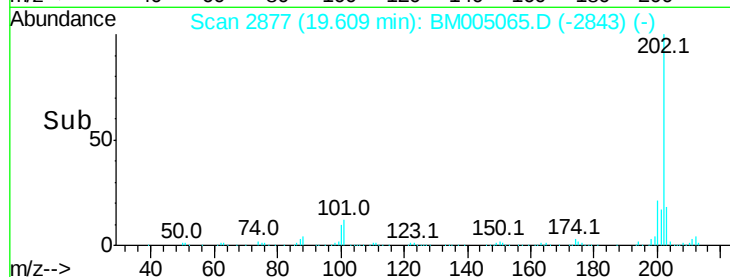
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Benzo(a)anthracene

Concen: 1.89 ng/ul

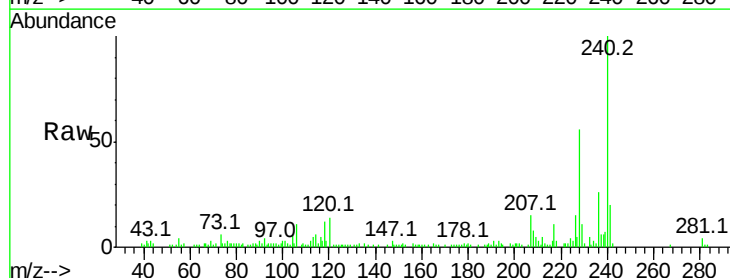
RT: 21.36 min Scan# 3174

Delta R.T. -0.01 min

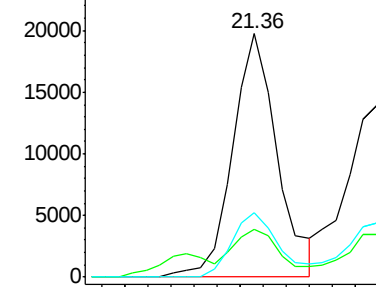
Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

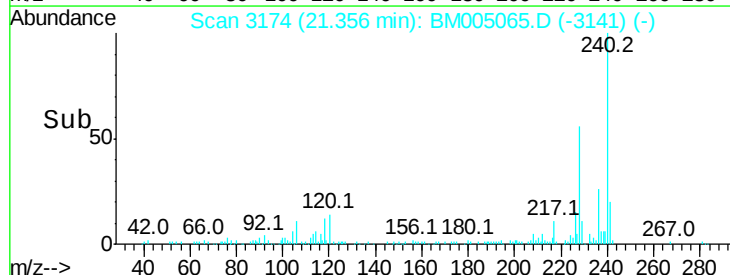
Tgt Ion:	228	Resp:	26465
Ion Ratio	Lower	Upper	
228	100		
229	19.6	15.8	23.6
226	26.5	21.5	32.3

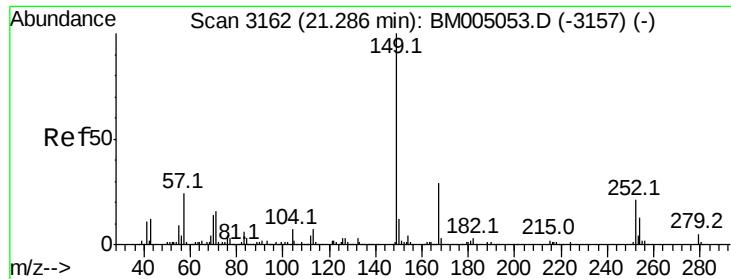


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.32 ng/ul

RT: 21.28 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BM005065.D

Acq: 26 Apr 2016 03:08

Instrument :

BNA_M

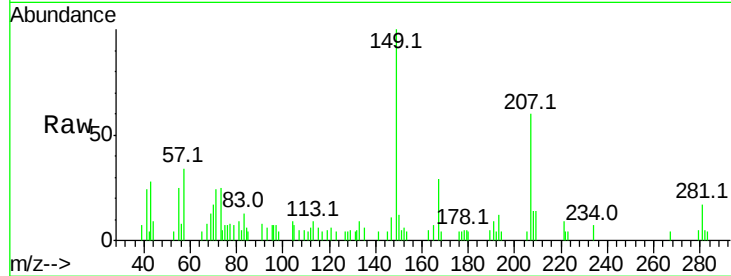
ClientSampled :

BC7Q1

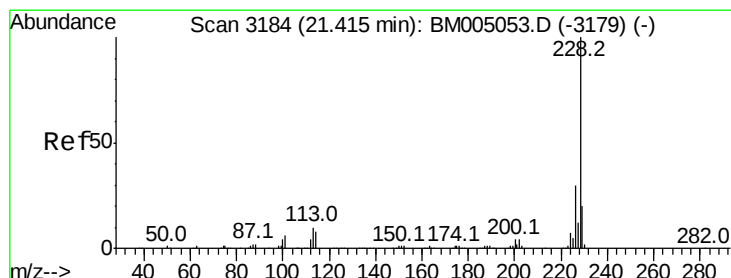
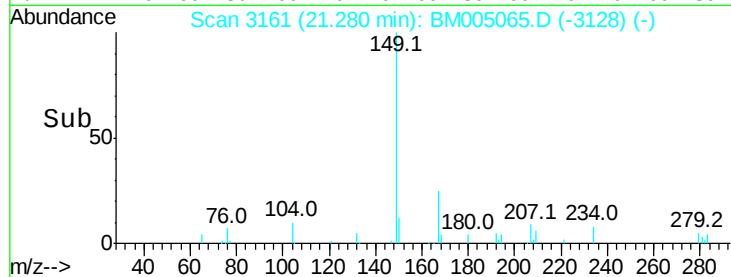
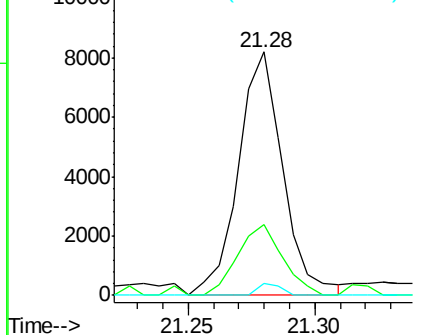
Tot Ion:	149	Resp:	10041
Ion Ratio	Lower	Upper	
149	100		
167	29.3	22.7	34.1
279	4.9	3.4	5.0

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 1.44 ng/ul m

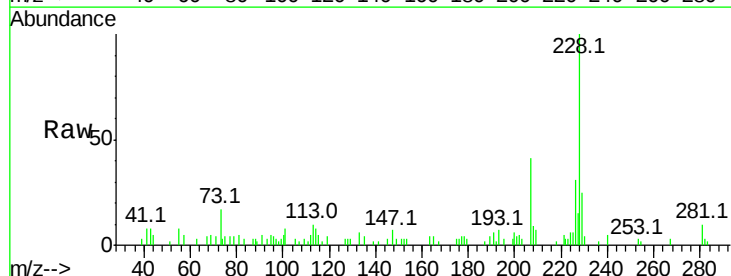
RT: 21.41 min Scan# 3183

Delta R.T. -0.01 min

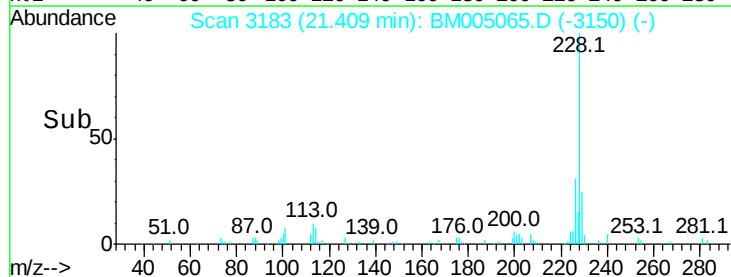
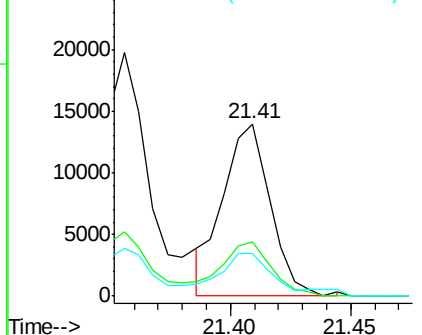
Lab File: BM005065.D

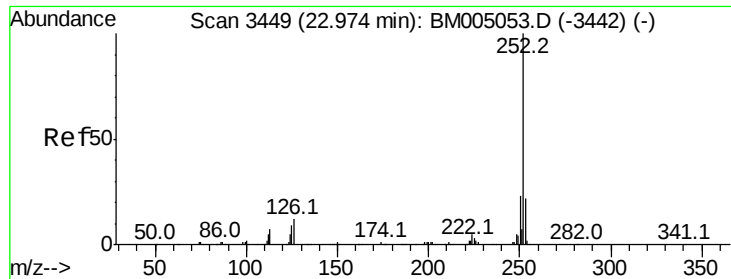
Acq: 26 Apr 2016 03:08

Tgt Ion:	228	Resp:	19286
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.2	36.2
229	24.8	15.5	23.3#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85
 Benzo(b)fluoranthene
 Concen: 1.07 ng/ul
 RT: 22.97 min Scan# 3448
 Delta R.T. -0.01 min
 Lab File: BM005065.D
 Acq: 26 Apr 2016 03:08

Instrument :
 BNA_M
 ClientSampleId :
 BC7Q1

Tot Ion:	252	Resp:	14090
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	10.6	7.8	11.6

Manual Integrations
 APPROVED

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 4/26/2016 6:00:18 PM

