

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
 Data File : BM005020.D
 Acq On : 21 Apr 2016 09:33
 Operator : UM/SJ
 Sample : H2567-22
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7L9

Manual Integrations
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Quant Time: Apr 21 11:50:12 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 15 22:59:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	59099	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	213735	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.45	164	133650	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	281710	20.00	ng/ul	0.00
75) Chrysene-d12	21.38	240	316571	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	311752	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	1534	1.39	ng/uL	0.00
5) Phenol-d5	6.97	99	32638	7.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	78273	32.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	93822	26.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	60201	17.27	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	57398	40.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	63743	40.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	104262	36.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	23007	7.06	ng/ul	0.02
43) Dimethylphthalate-d6	13.86	166	311128	34.22	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	385527	34.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	11749	7.57	ng/ul	0.00
57) Fluorene-d10	15.44	176	271546	34.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	32134	26.37	ng/ul	0.00
70) Anthracene-d10	17.29	188	397205	35.48	ng/ul	0.00
76) Pyrene-d10	19.59	212	439916	33.35	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	441277	36.76	ng/ul	0.00

Target Compounds

						Qvalue
16) 4-Methylphenol	8.57	108	7382	1.99	ng/ul	97
24) 2,4-Dimethylphenol	9.78	107	3449	1.02	ng/ul	93
28) Naphthalene	10.72	128	12571628	1320.16	ng/ul	98
34) 2-Methylnaphthalene	12.27	142	1568747	226.07	ng/ul	99
40) 1,1'-Biphenyl	13.27	154	434086	45.28	ng/ul	99
47) Acenaphthylene	14.17	152	353171	29.83	ng/ul	98
49) Acenaphthene	14.52	153	950530	123.34	ng/ul	98
53) Dibenzofuran	14.85	168	1139821	102.19	ng/ul	95
58) Fluorene	15.50	166	788727	91.95	ng/ul	98
69) Phenanthrene	17.24	178	1304748	99.25	ng/ul	99
71) Anthracene	17.33	178	151347	11.38	ng/ul	98
72) Carbazole	17.60	167	1416283	126.50	ng/ul	97
74) Fluoranthene	19.25	202	323357	23.88	ng/ul	97
77) Pyrene	19.62	202	209899	12.54	ng/ul	97
80) Benzo(a)anthracene	21.36	228	38162	2.45	ng/ul	97
82) Chrysene	21.42	228	24429m	1.65	ng/ul	
85) Benzo(b)fluoranthene	22.98	252	20878	1.35	ng/ul	94

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

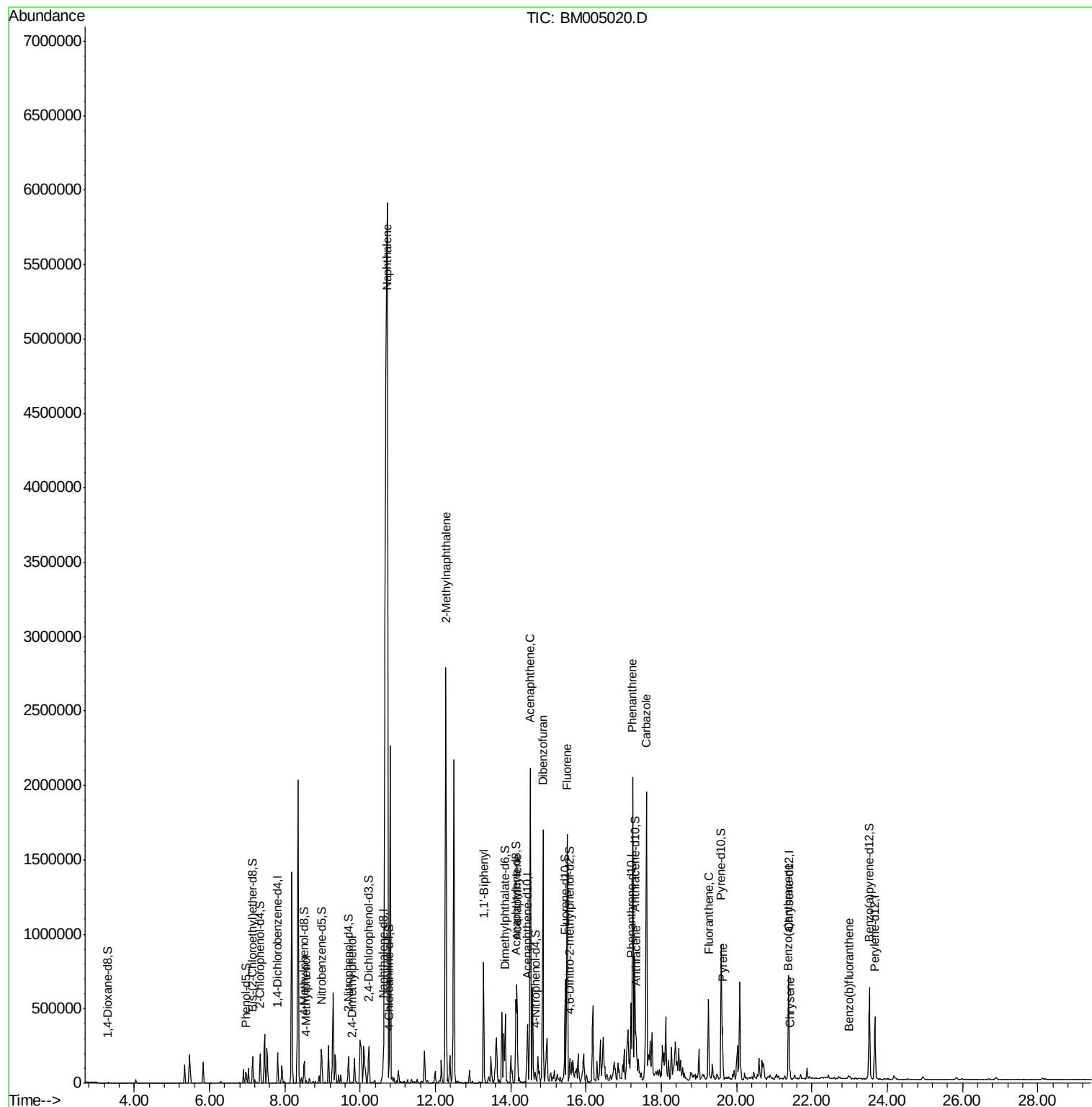
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005020.D
Acq On : 21 Apr 2016 09:33
Operator : UM/SJ
Sample : H2567-22
Misc :
ALS Vial : 35 Sample Multiplier: 1

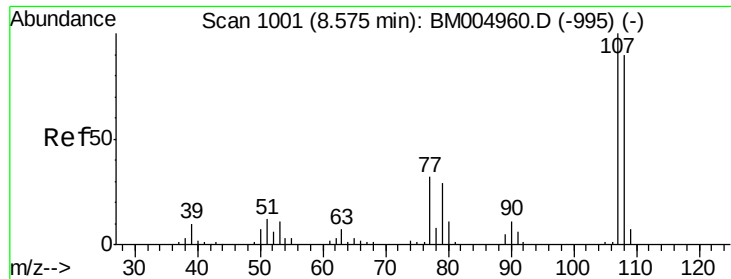
Instrument :
BNA_M
ClientSampleId :
BC7L9

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION
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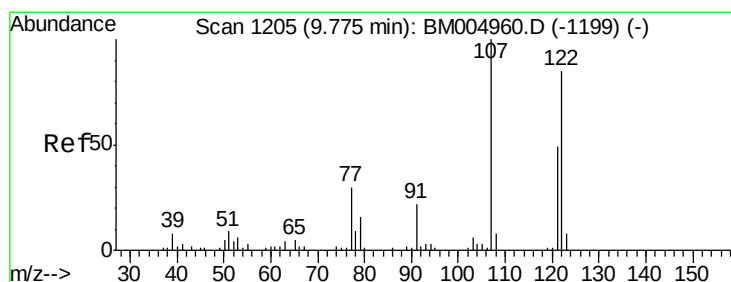
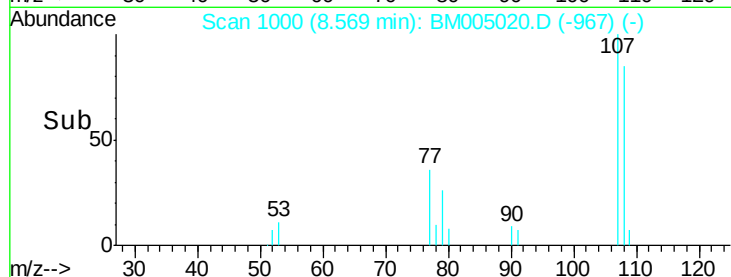
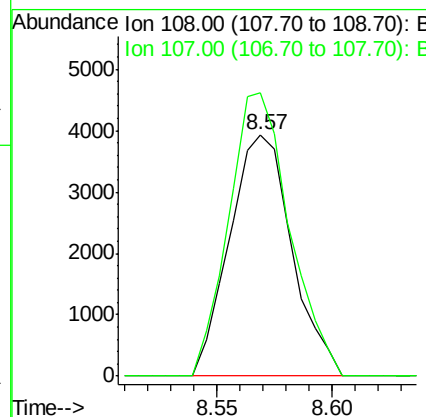
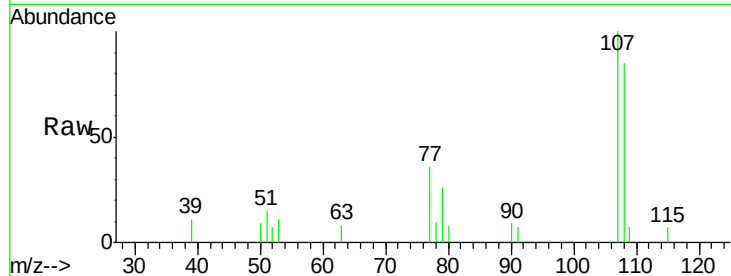
#16
 4-Methylphenol
 Concen: 1.99 ng/ul
 RT: 8.57 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BM005020.D
 Acq: 21 Apr 2016 09:33

Instrument :
 BNA_M
 ClientSampled :
 BC7L9

Tgt Ion:108 Resp: 7382
 Ion Ratio Lower Upper
 108 100
 107 117.1 91.0 136.6

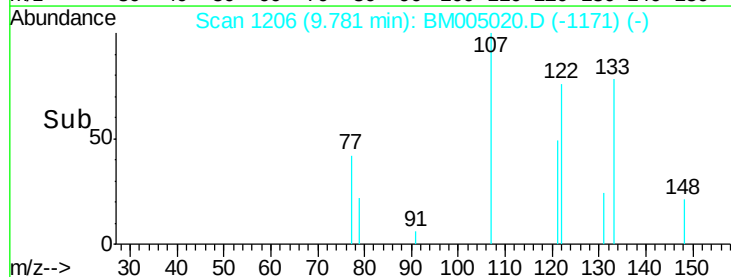
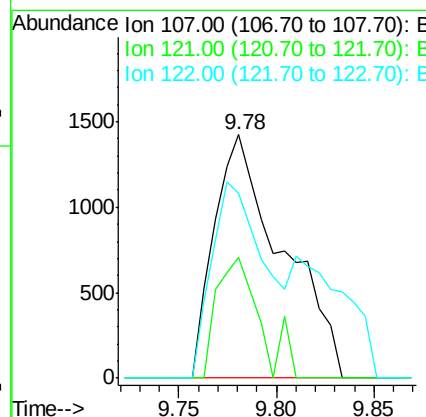
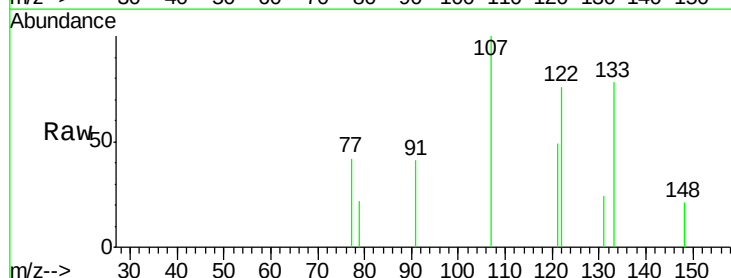
Manual Integrations
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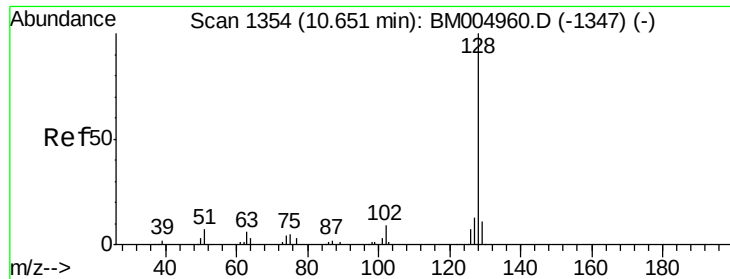
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#24
 2,4-Dimethylphenol
 Concen: 1.02 ng/ul
 RT: 9.78 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BM005020.D
 Acq: 21 Apr 2016 09:33

Tgt Ion:107 Resp: 3449
 Ion Ratio Lower Upper
 107 100
 121 49.4 39.8 59.8
 122 76.0 68.5 102.7





#28

Naphthalene

Concen: 1320.16 ng/ul

RT: 10.72 min Scan# 1366

Delta R.T. 0.07 min

Lab File: BM005020.D

Acq: 21 Apr 2016 09:33

Instrument :

BNA_M

ClientSampleId :

BC7L9

Tgt Ion:128 Resp:12571628

Ion Ratio Lower Upper

128 100

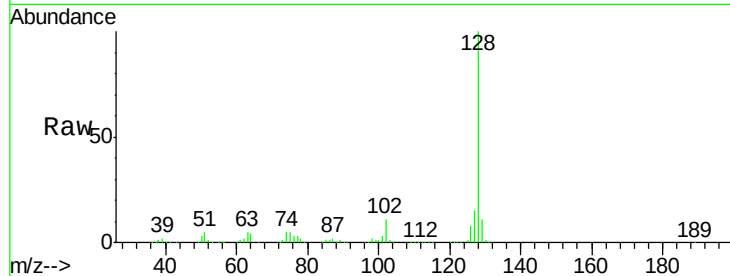
129 11.3 8.7 13.1

127 14.6 10.6 15.8

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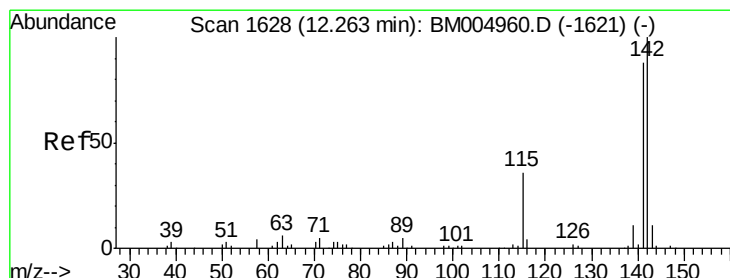
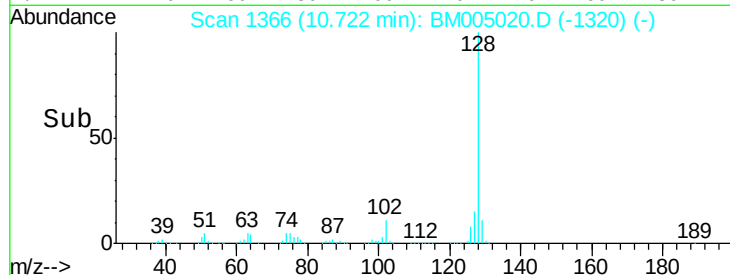
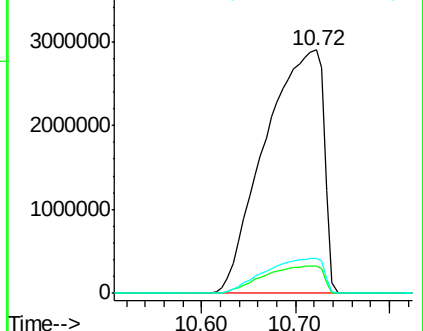
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 226.07 ng/ul

RT: 12.27 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BM005020.D

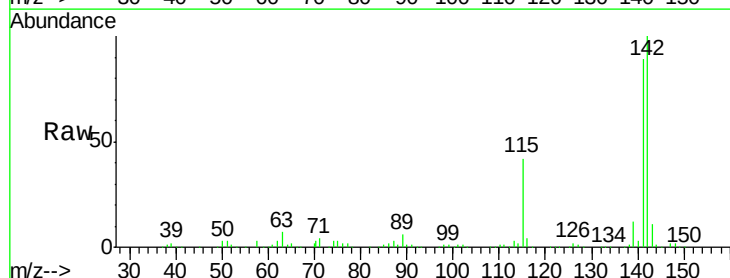
Acq: 21 Apr 2016 09:33

Tgt Ion:142 Resp: 1568747

Ion Ratio Lower Upper

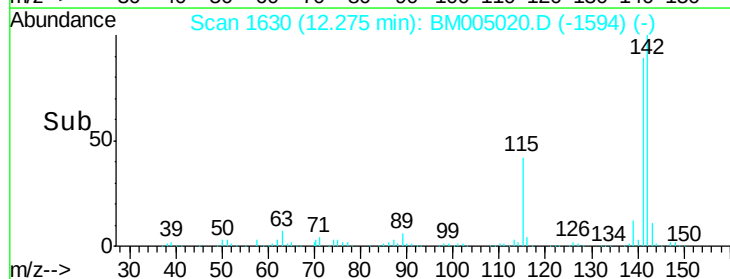
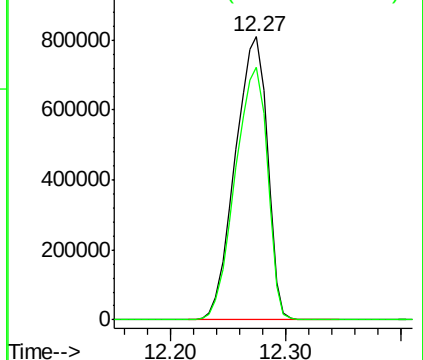
142 100

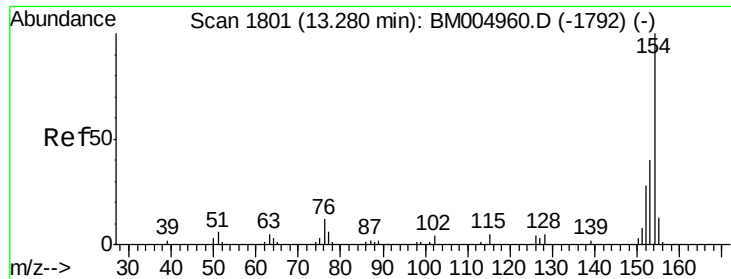
141 89.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 45.28 ng/ul

RT: 13.27 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BM005020.D

Acq: 21 Apr 2016 09:33

Instrument :

BNA_M

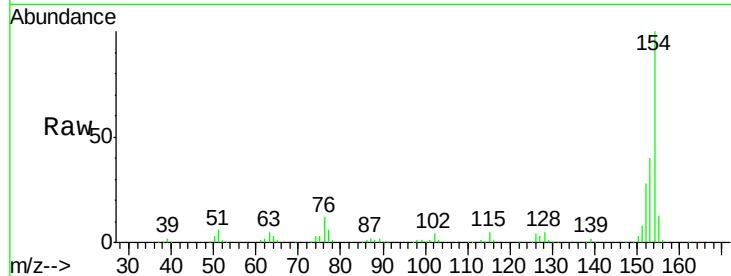
ClientSampleId :

BC7L9

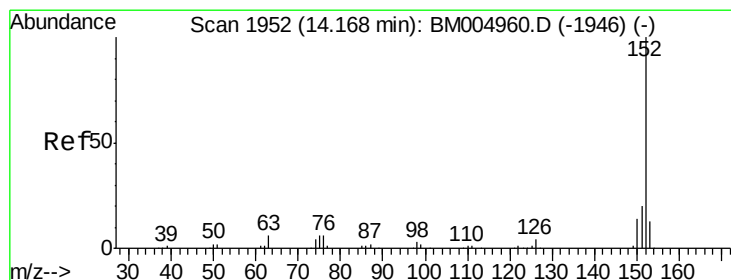
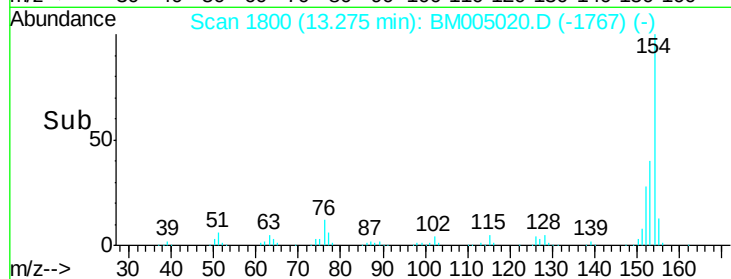
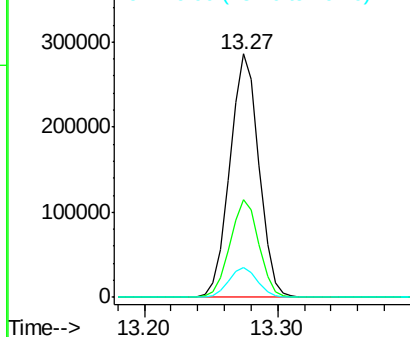
Tgt Ion:	154	Resp:	434086
Ion Ratio	Lower	Upper	
154	100		
153	40.3	31.5	47.3
76	12.0	10.1	15.1

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BMC



#47

Acenaphthylene

Concen: 29.83 ng/ul

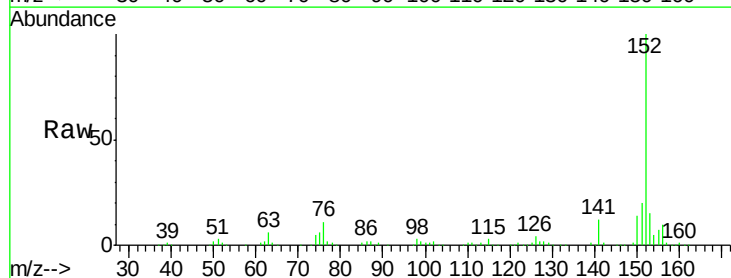
RT: 14.17 min Scan# 1952

Delta R.T. 0.00 min

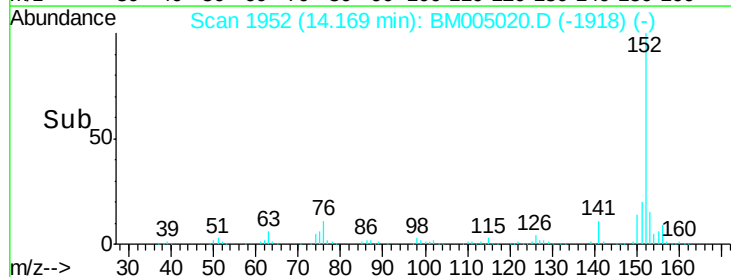
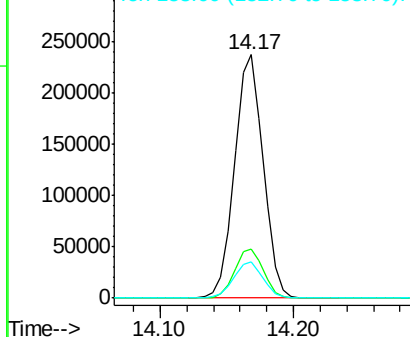
Lab File: BM005020.D

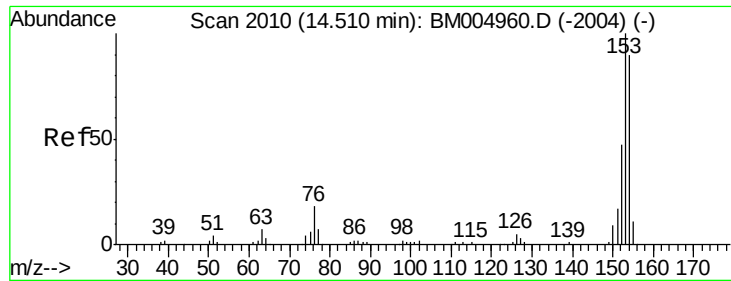
Acq: 21 Apr 2016 09:33

Tgt Ion:	152	Resp:	353171
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.8	23.8
153	14.7	10.3	15.5



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





#49

Acenaphthene

Concen: 123.34 ng/ul

RT: 14.52 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BM005020.D

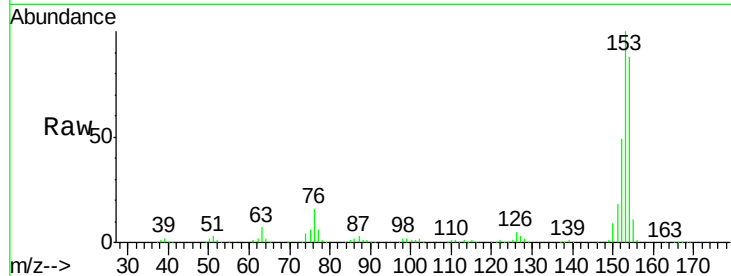
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Instrument :

BNA_M

ClientSampleId :

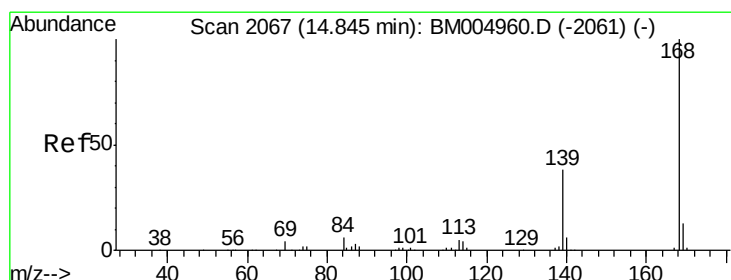
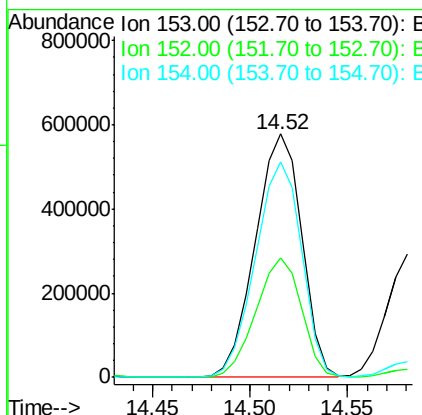
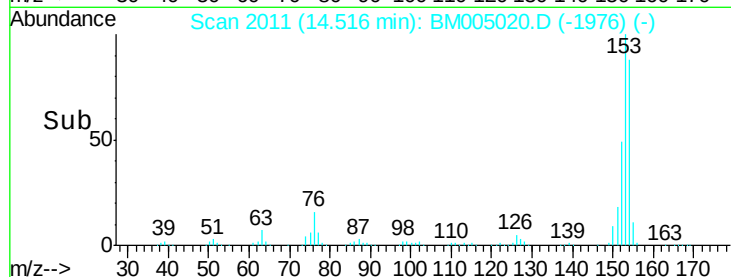
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Tgt Ion:	153	Resp:	950530
Ion Ratio	Lower	Upper	
153	100		
152	49.0	37.7	56.5
154	88.3	71.4	107.2

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#53

Dibenzofuran

Concen: 102.19 ng/ul

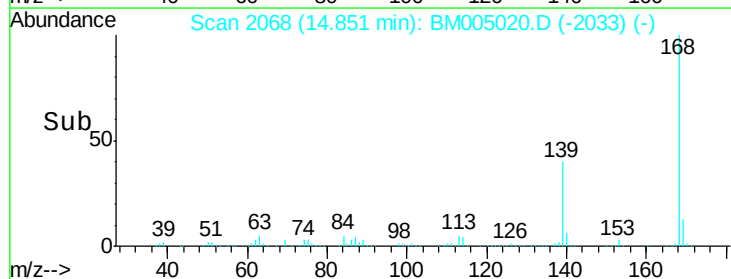
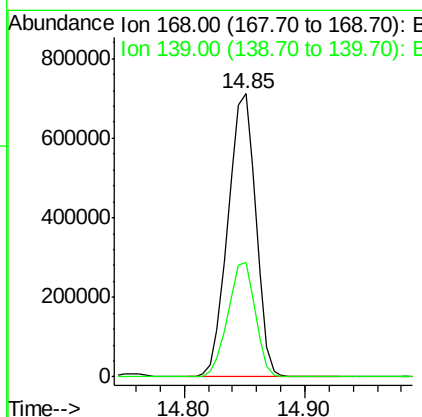
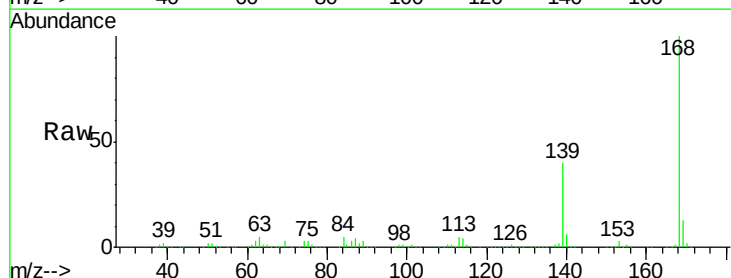
RT: 14.85 min Scan# 2068

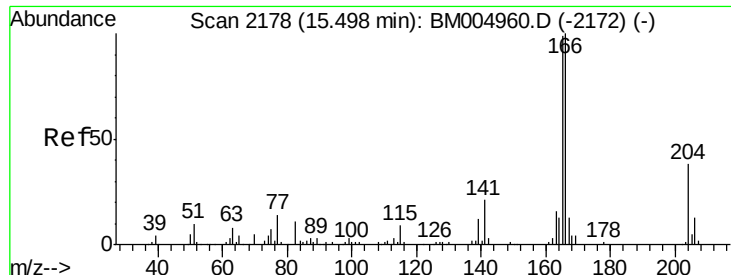
Delta R.T. 0.01 min

Lab File: BM005020.D

Acq: 21 Apr 2016 09:33

Tgt Ion:	168	Resp:	1139821
Ion Ratio	Lower	Upper	
168	100		
139	40.5	29.9	44.9





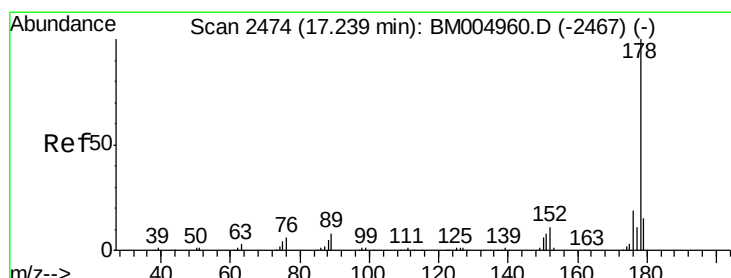
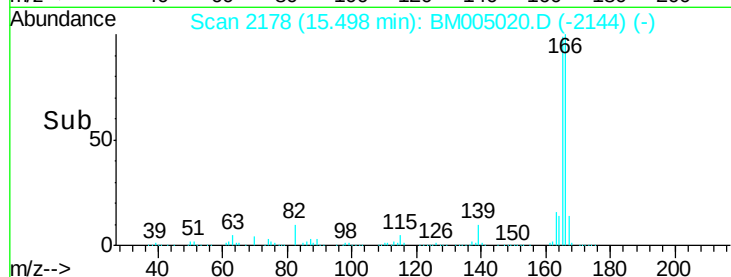
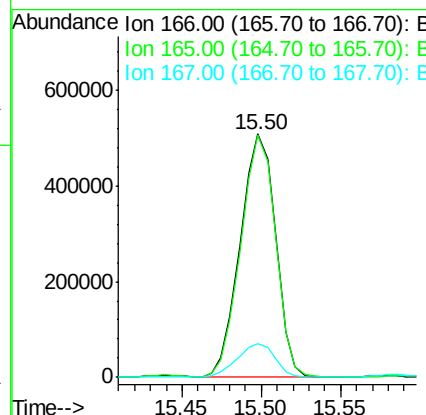
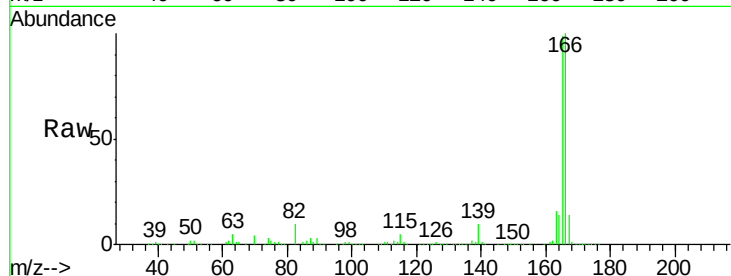
#58
 Fluorene
 Concen: 91.95 ng/ul
 RT: 15.50 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BM005020.D
 Acq: 21 Apr 2016 09:33

Instrument :
 BNA_M
 ClientSampleId :
 BC7L9

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	788727		
165	99.3	77.7	116.5	
167	13.8	10.9	16.3	

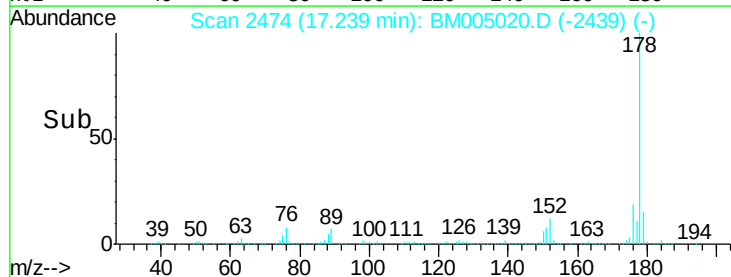
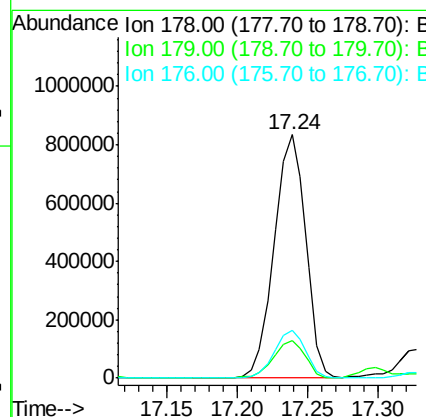
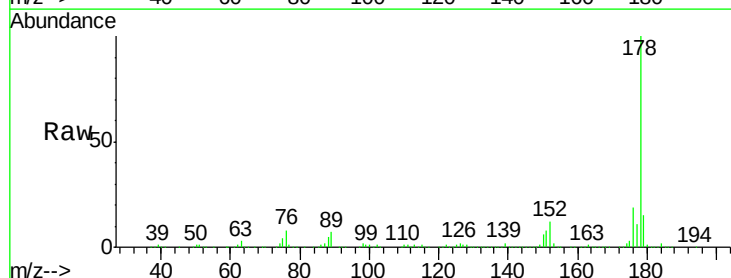
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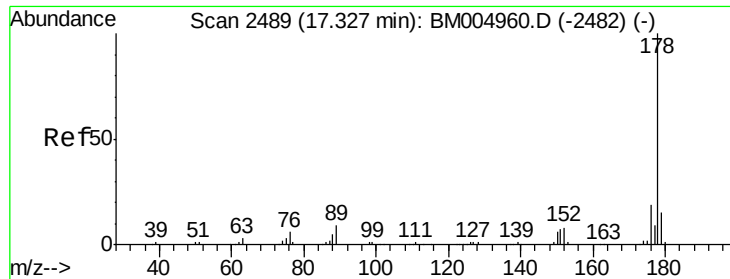
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#69
 Phenanthrene
 Concen: 99.25 ng/ul
 RT: 17.24 min Scan# 2474
 Delta R.T. 0.01 min
 Lab File: BM005020.D
 Acq: 21 Apr 2016 09:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1304748		
179	15.4	11.8	17.8	
176	19.5	15.2	22.8	





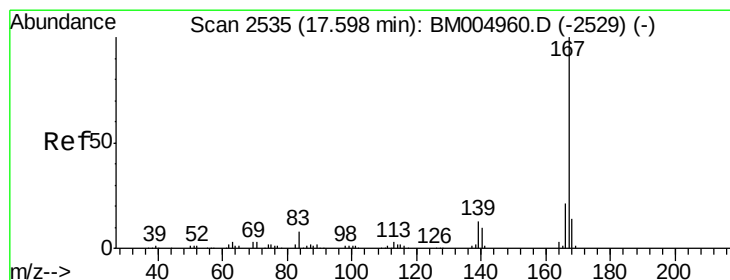
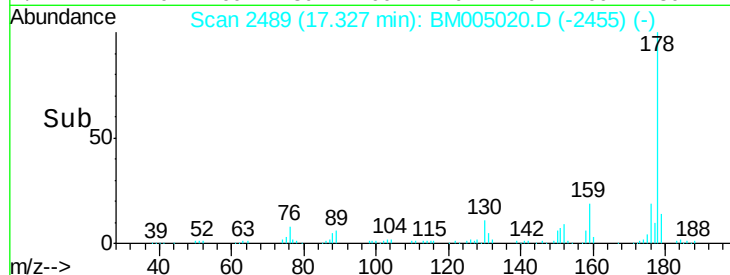
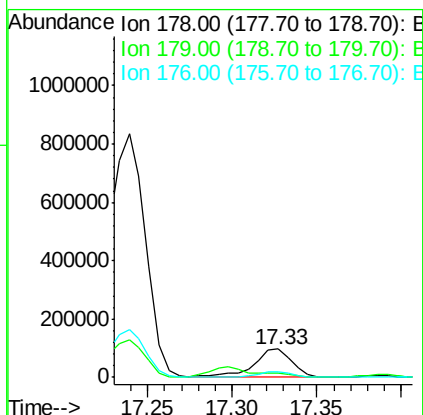
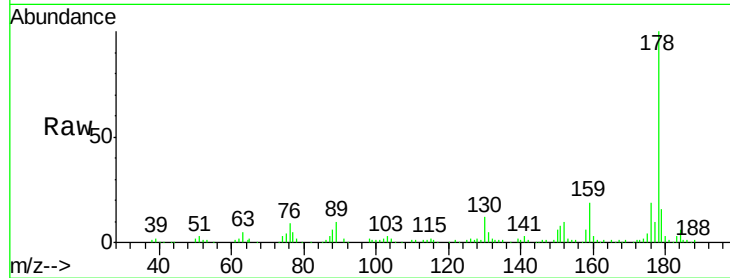
#71
 Anthracene
 Concen: 11.38 ng/ul
 RT: 17.33 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BM005020.D
 Acq: 21 Apr 2016 09:33

Instrument :
 BNA_M
 ClientSampled :
 BC7L9

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	18.9	14.6	22.0

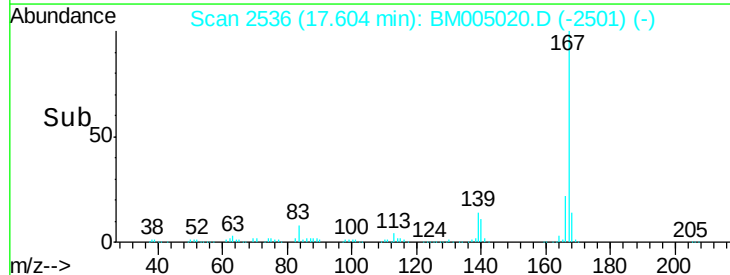
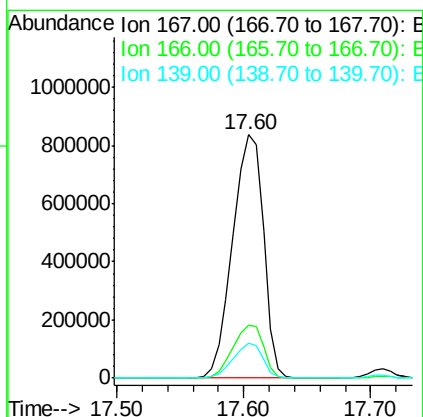
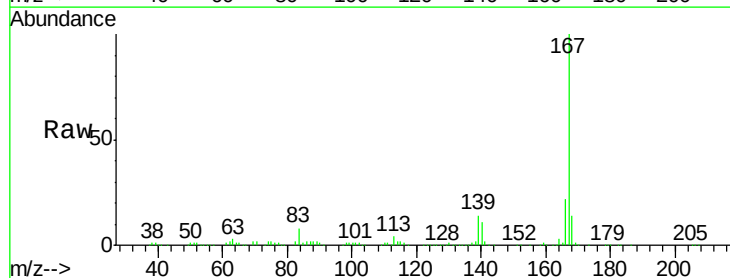
Manual Integrations
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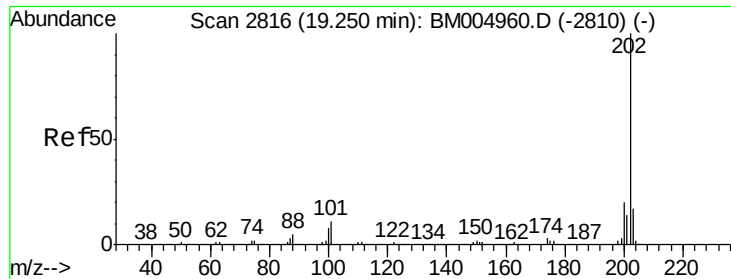
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#72
 Carbazole
 Concen: 126.50 ng/ul
 RT: 17.60 min Scan# 2536
 Delta R.T. 0.01 min
 Lab File: BM005020.D
 Acq: 21 Apr 2016 09:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	16.6	25.0
139	14.1	10.2	15.4





#74

Fluoranthene

Concen: 23.88 ng/ul

RT: 19.25 min Scan# 2816

Delta R.T. 0.00 min

Lab File: BM005020.D

Acq: 21 Apr 2016 09:33

Instrument :

BNA_M

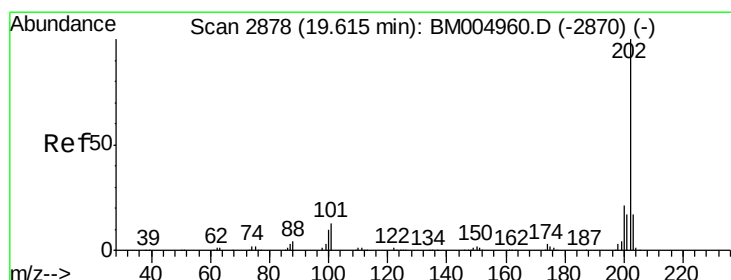
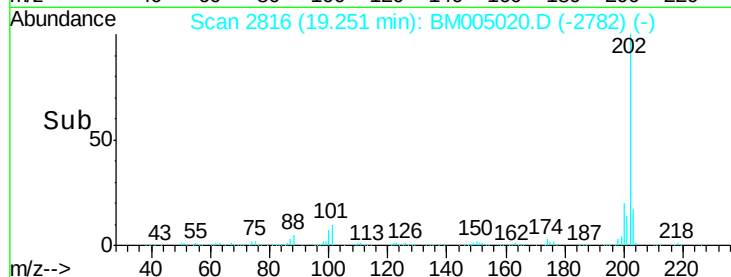
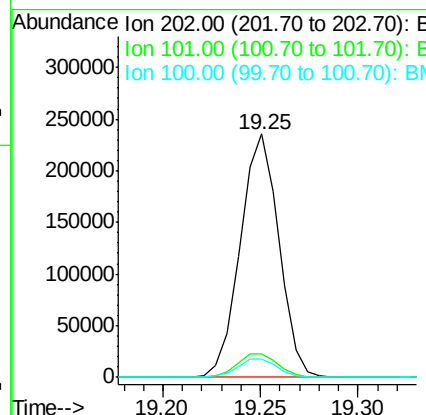
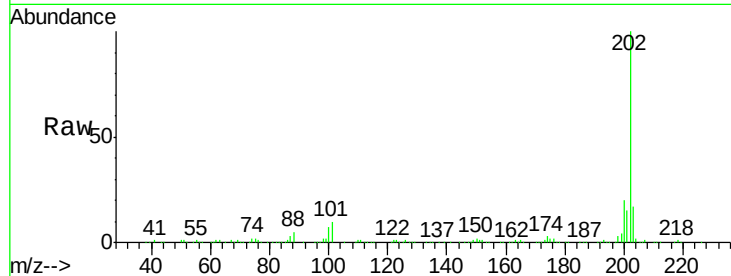
ClientSampleId :

BC7L9

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	323357		
101	9.8	9.0	13.4	
100	7.4	6.6	10.0	

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#77

Pyrene

Concen: 12.54 ng/ul

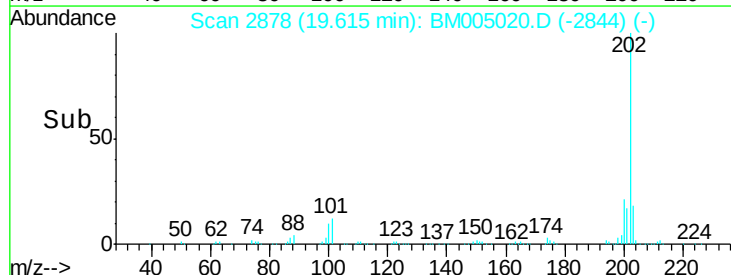
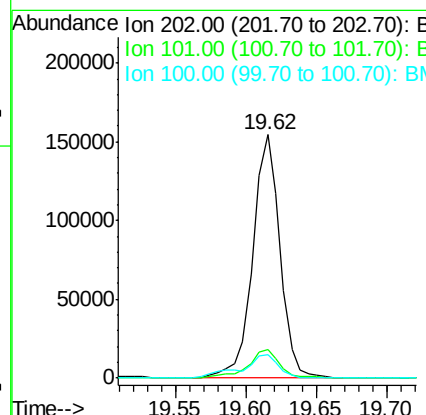
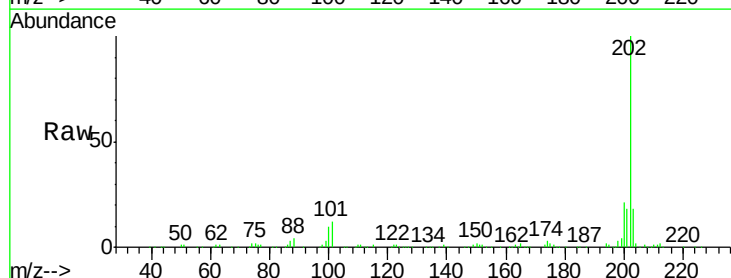
RT: 19.62 min Scan# 2878

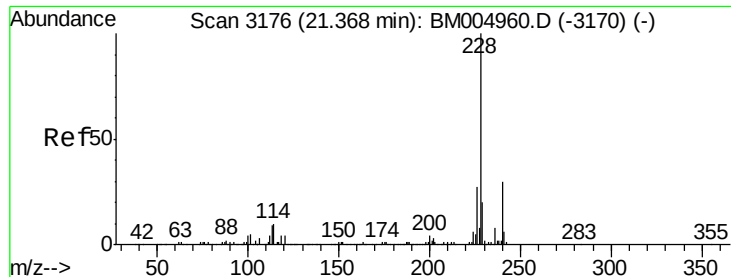
Delta R.T. 0.00 min

Lab File: BM005020.D

Acq: 21 Apr 2016 09:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	209899		
101	11.6	10.5	15.7	
100	9.6	8.2	12.2	





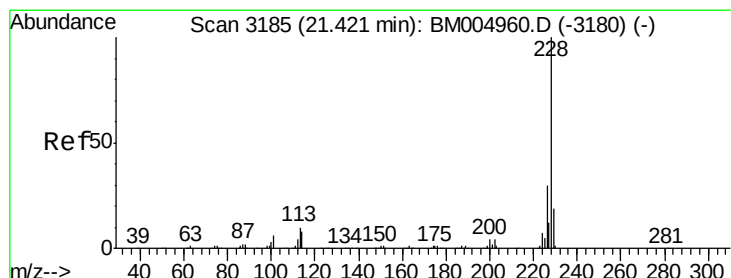
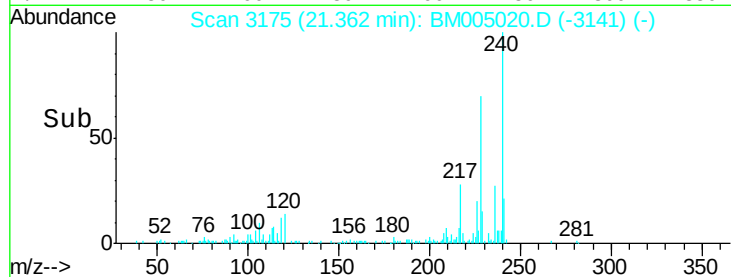
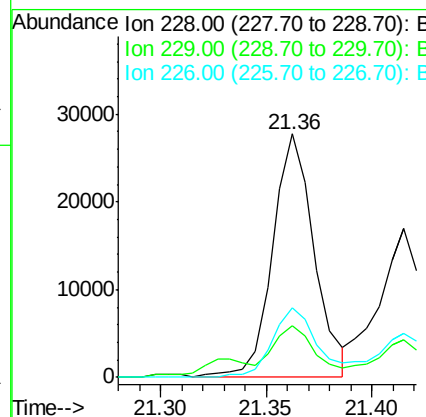
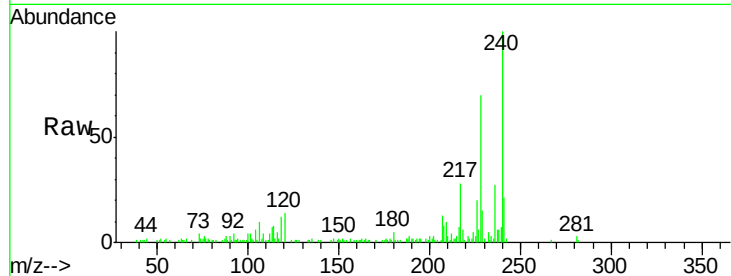
#80
Benzo(a)anthracene
Concen: 2.45 ng/ul
RT: 21.36 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BM005020.D
Acq: 21 Apr 2016 09:33

Instrument :
BNA_M
ClientSampleId :
BC7L9

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	38162		
229	21.3	15.8	23.6	
226	28.5	21.5	32.3	

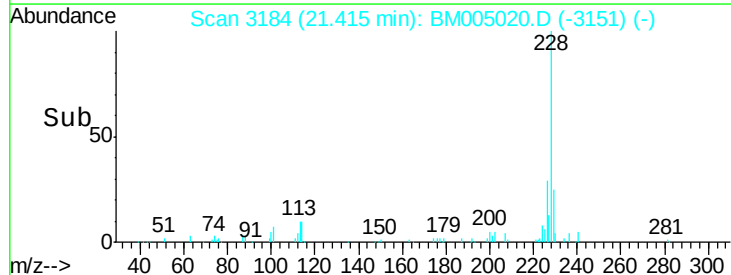
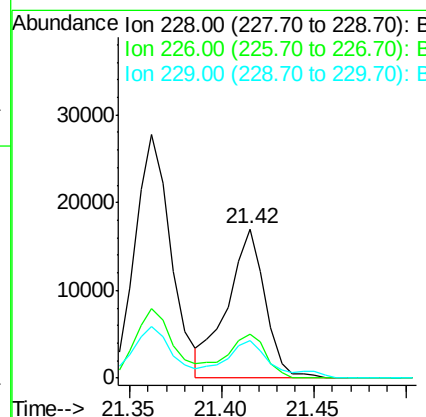
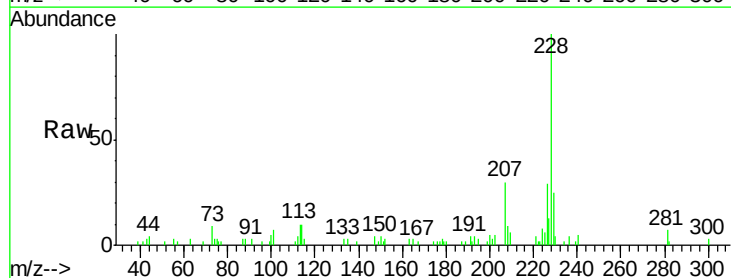
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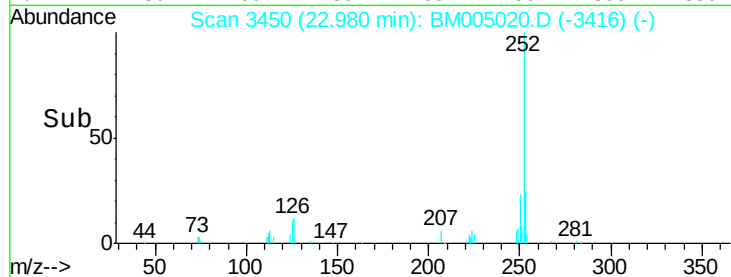
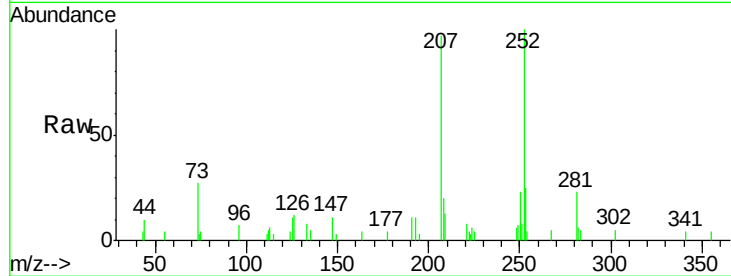
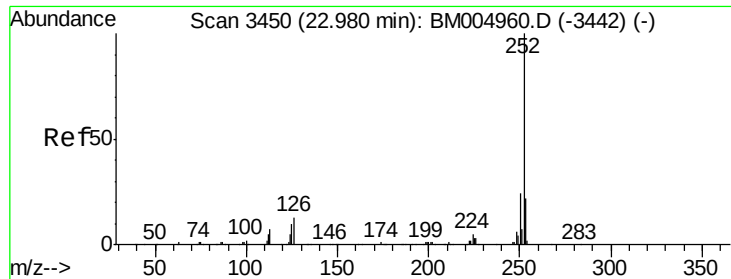
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#82
Chrysene
Concen: 1.65 ng/ul m
RT: 21.42 min Scan# 3184
Delta R.T. -0.01 min
Lab File: BM005020.D
Acq: 21 Apr 2016 09:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	24429		
226	29.3	24.2	36.2	
229	25.1	15.5	23.3#	





#85

Benzo(b)fluoranthene

Concen: 1.35 ng/ul

RT: 22.98 min Scan# 3450

Delta R.T. 0.00 min

Lab File: BM005020.D

Acq: 21 Apr 2016 09:33

Instrument :

BNA_M

ClientSampleId :

BC7L9

Tgt Ion: 252 Resp: 20878

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.0

125 11.1 7.8 11.6

Manual Integrations
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