

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
 Data File : BM005016.D
 Acq On : 21 Apr 2016 07:09
 Operator : UM/SJ
 Sample : H2567-30
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7J5

Manual Integrations
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Quant Time: Apr 21 11:26:21 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	55955	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	242625	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	138611	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	298791	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	333031	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	333594	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	3700	3.54	ng/uL	0.00
5) Phenol-d5	6.97	99	69741	17.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	43022	18.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	57866	17.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	56026	16.98	ng/ul	-0.01
19) Nitrobenzene-d5	8.96	128	27041	16.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	29717	16.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	54241	16.51	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	71444	19.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	174557	18.51	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	217856	18.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	17912	11.13	ng/ul	0.00
57) Fluorene-d10	15.44	176	157905	19.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	17263	13.36	ng/ul	0.00
70) Anthracene-d10	17.29	188	230876	19.45	ng/ul	0.00
76) Pyrene-d10	19.58	212	260868	18.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	267801	20.85	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.65	128	451020	41.72	ng/ul	100
34) 2-Methylnaphthalene	12.26	142	182443	23.16	ng/ul	98
40) 1,1'-Biphenyl	13.27	154	68833	6.92	ng/ul	99
44) Dimethylphthalate	13.90	163	34631	3.69	ng/ul	99
47) Acenaphthylene	14.16	152	55112	4.49	ng/ul	98
49) Acenaphthene	14.51	153	188969	23.64	ng/ul	99
53) Dibenzofuran	14.84	168	287593	24.86	ng/ul	99
58) Fluorene	15.49	166	252795	28.41	ng/ul	99
69) Phenanthrene	17.23	178	1070706	76.79	ng/ul	98
71) Anthracene	17.32	178	103875	7.37	ng/ul	99
72) Carbazole	17.59	167	39106	3.29	ng/ul	99
74) Fluoranthene	19.25	202	714985	49.78	ng/ul	98
77) Pyrene	19.62	202	517689	29.40	ng/ul	97
80) Benzo(a)anthracene	21.36	228	177080	10.79	ng/ul	97
82) Chrysene	21.41	228	111752	7.19	ng/ul	97
85) Benzo(b)fluoranthene	22.97	252	117056	7.07	ng/ul	98
86) Benzo(k)fluoranthene	23.01	252	42313m	2.65	ng/ul	
88) Benzo(a)pyrene	23.56	252	77448	4.89	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.96	276	29616	1.68	ng/ul#	92
91) Benzo(g,h,i)perylene	26.68	276	22187	1.49	ng/ul	97

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

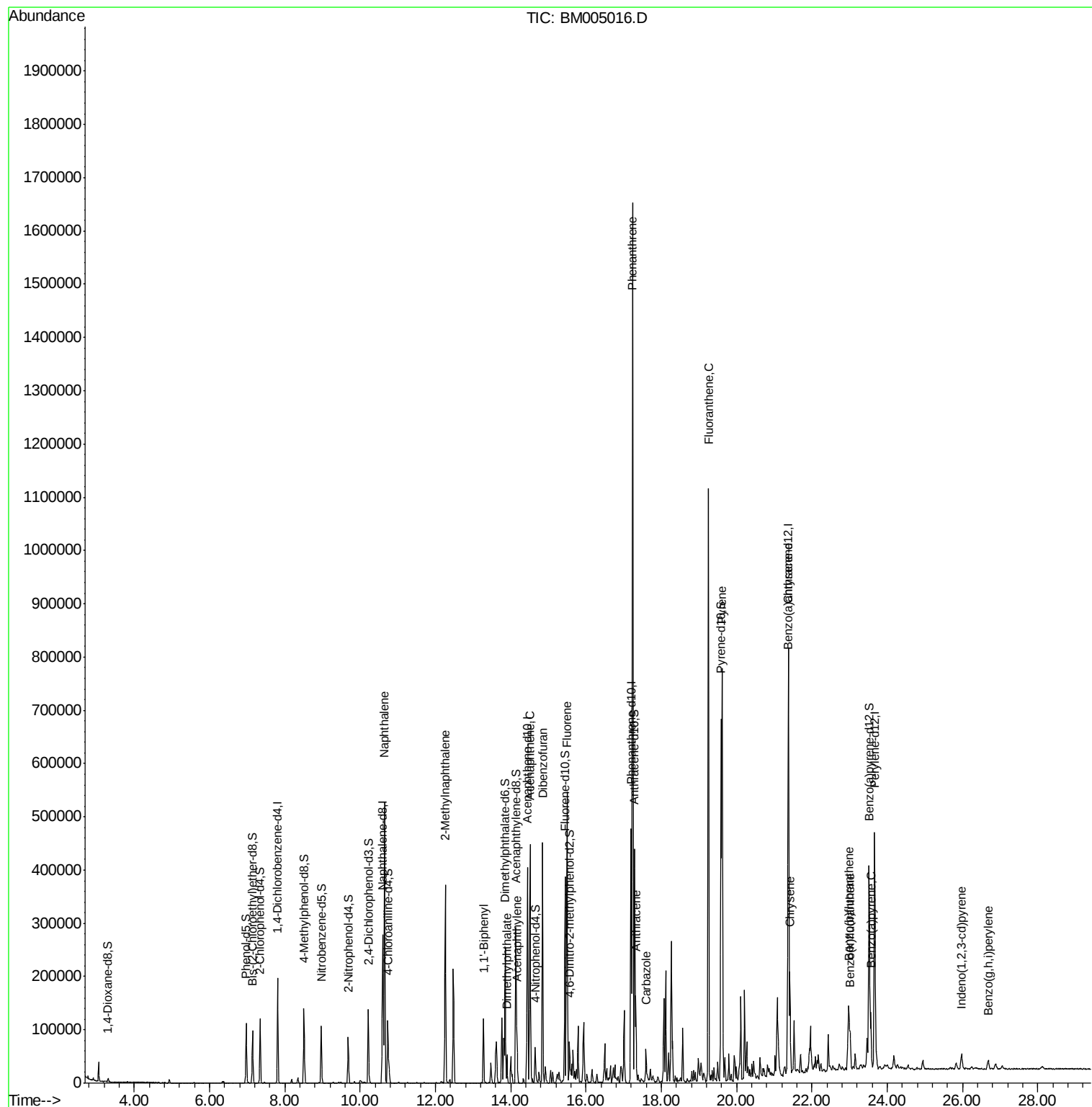
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005016.D
Acq On : 21 Apr 2016 07:09
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ALS Vial : 31 Sample Multiplier: 1

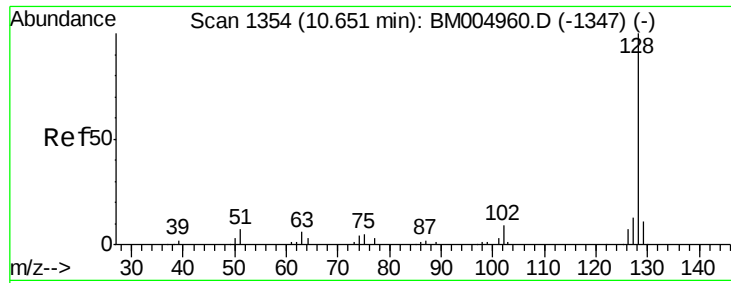
Instrument :
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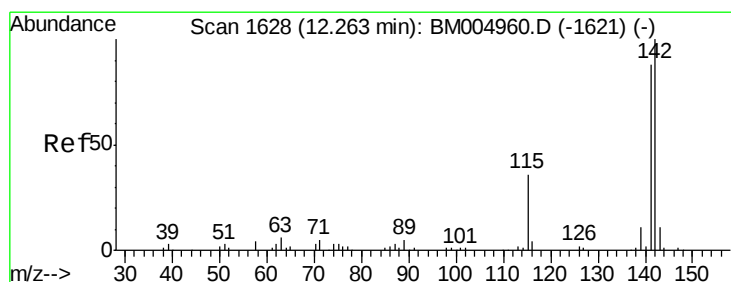
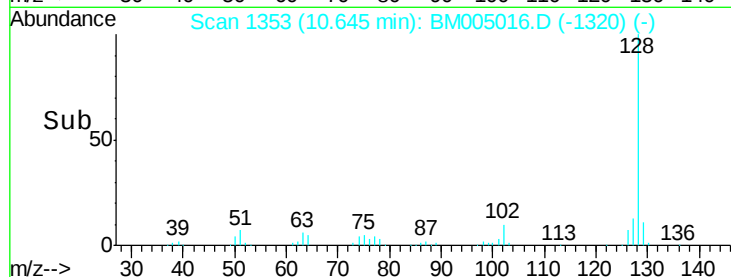
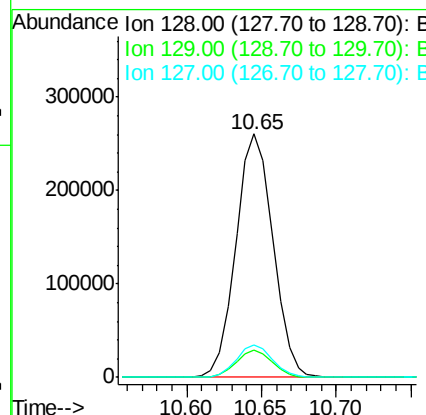
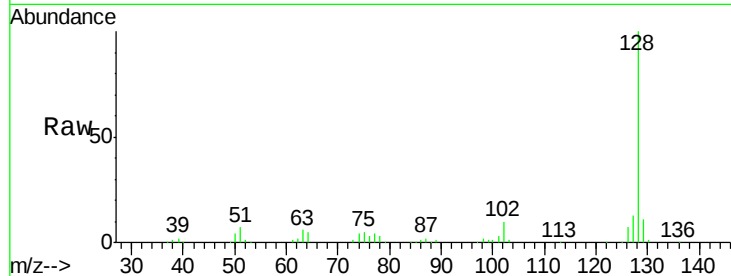
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Naphthalene
Concen: 41.72 ng/ul
RT: 10.65 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BM005016.D
Acq: 21 Apr 2016 07:09

Instrument :
BNA_M
ClientSampleId :
BC7J5

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	451020		
129	11.0	8.7	13.1	
127	13.1	10.6	15.8	

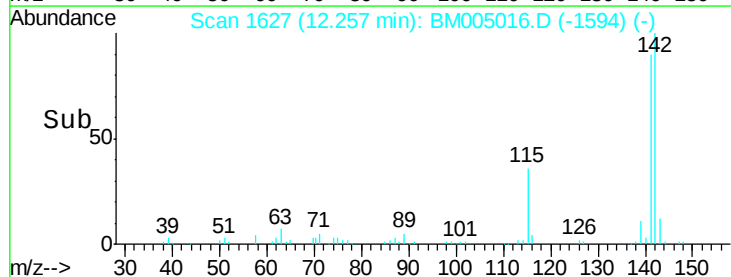
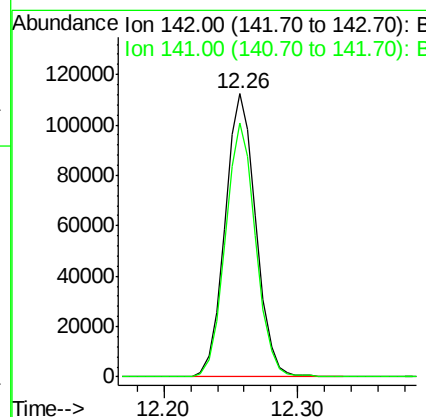
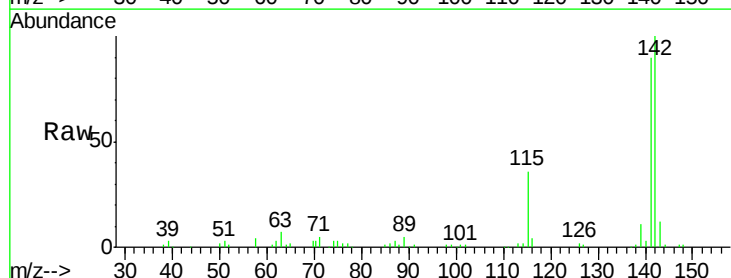
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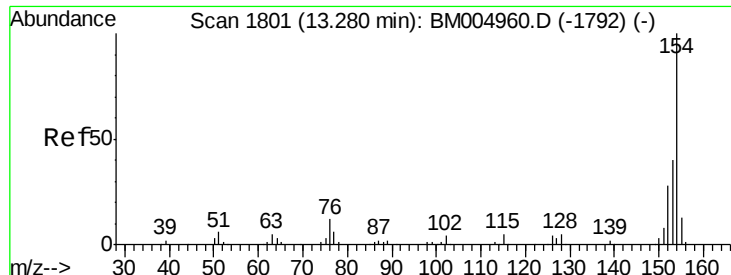
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#34
2-Methylnaphthalene
Concen: 23.16 ng/ul
RT: 12.26 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BM005016.D
Acq: 21 Apr 2016 07:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	182443		
141	89.6	70.3	105.5	





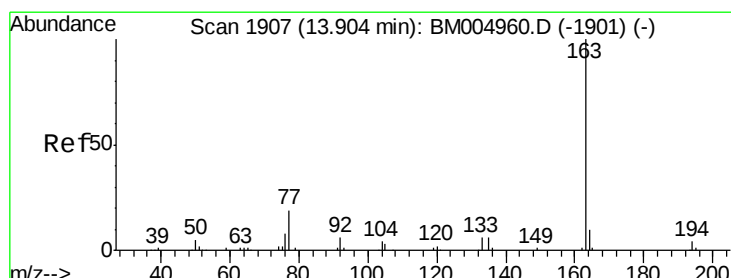
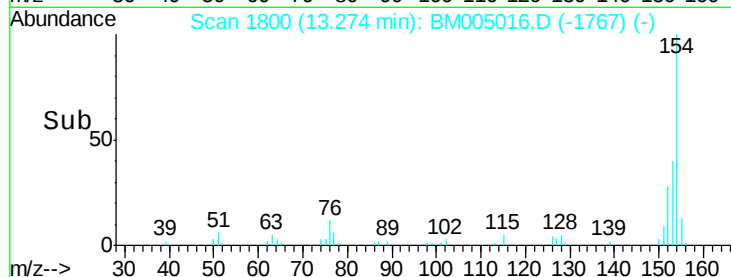
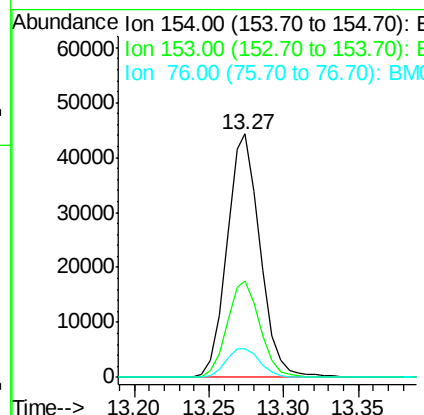
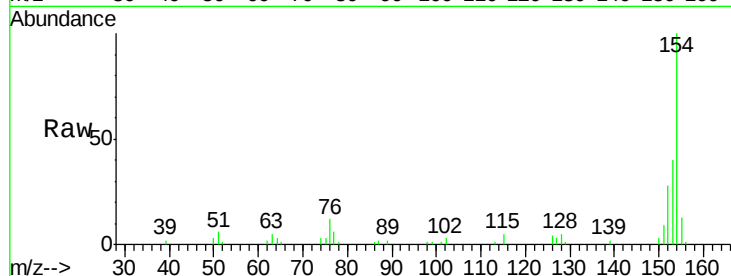
#40
 1,1'-Biphenyl
 Concen: 6.92 ng/ul
 RT: 13.27 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BM005016.D
 Acq: 21 Apr 2016 07:09

Instrument :
 BNA_M
 ClientSampled :
 BC7J5

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	68833		
153	39.8		31.5	47.3
76	11.8		10.1	15.1

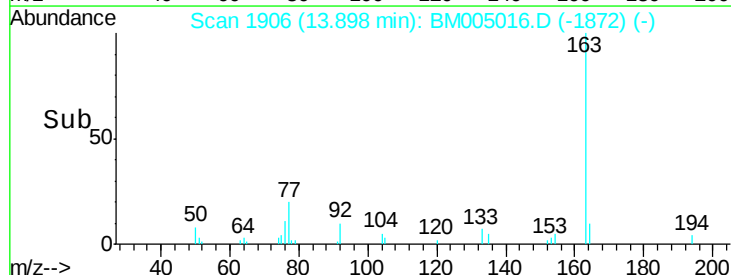
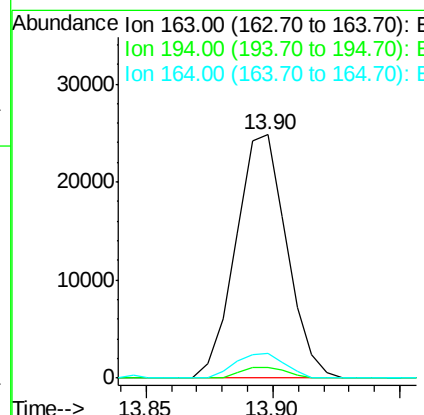
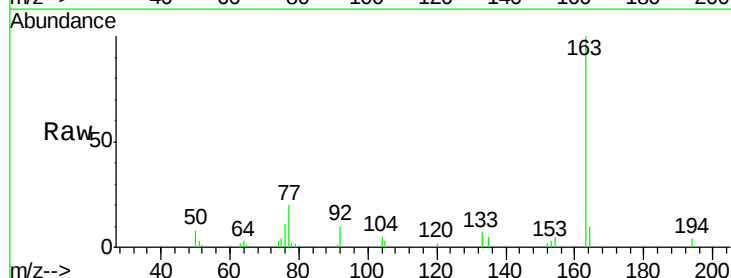
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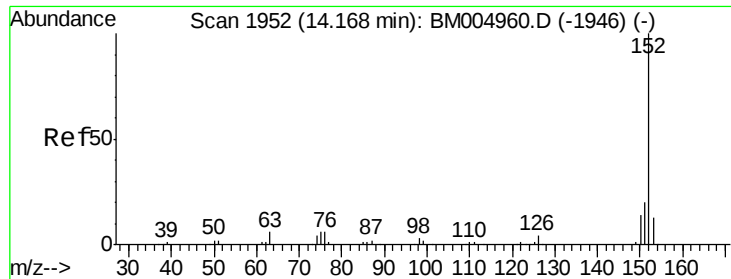
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#44
 Dimethylphthalate
 Concen: 3.69 ng/ul
 RT: 13.90 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: BM005016.D
 Acq: 21 Apr 2016 07:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	34631		
194	4.5		3.3	4.9
164	10.3		8.2	12.2





#47

Acenaphthylene

Concen: 4.49 ng/ul

RT: 14.16 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM005016.D

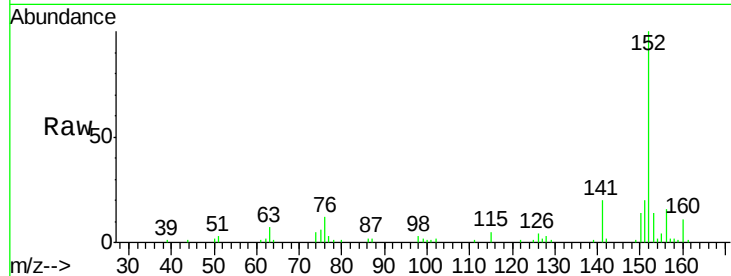
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Instrument :

BNA_M

ClientSampled :

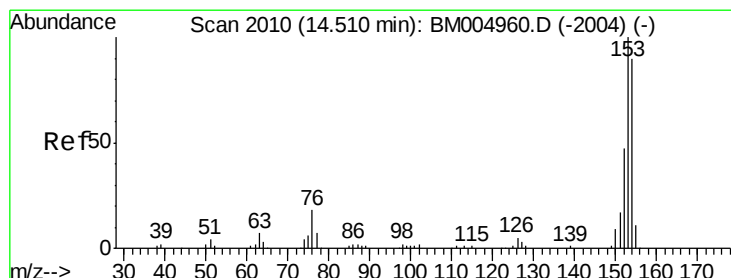
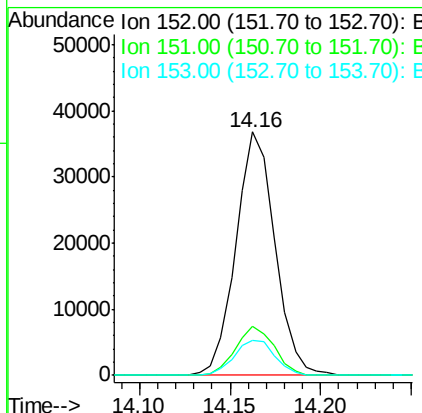
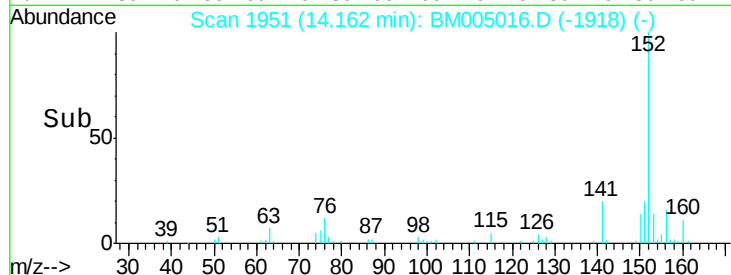
BC7J5



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	55112		
151	20.1	15.8	23.8	
153	14.4	10.3	15.5	

Manual Integrations
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#49

Acenaphthene

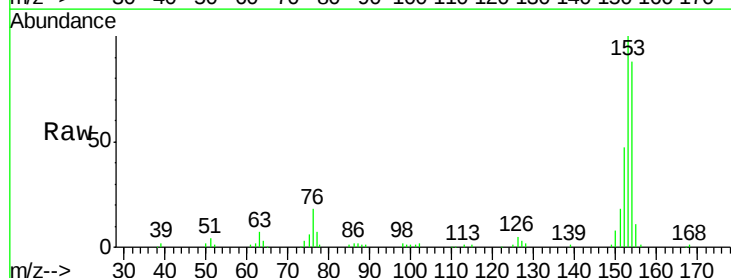
Concen: 23.64 ng/ul

RT: 14.51 min Scan# 2010

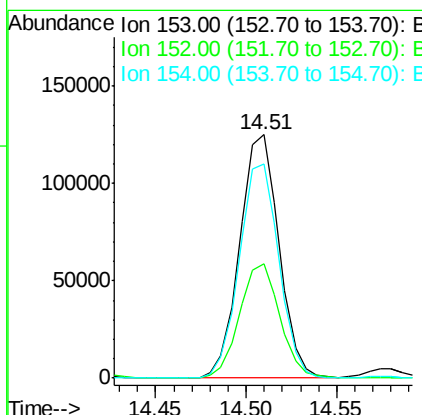
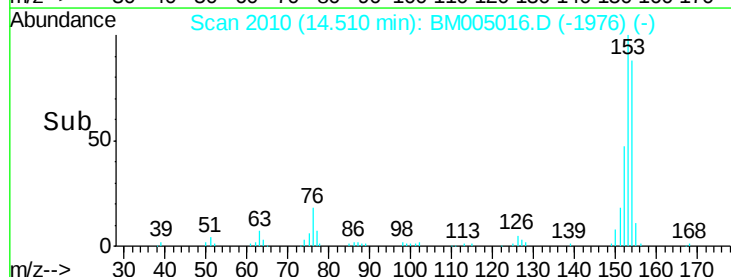
Delta R.T. -0.00 min

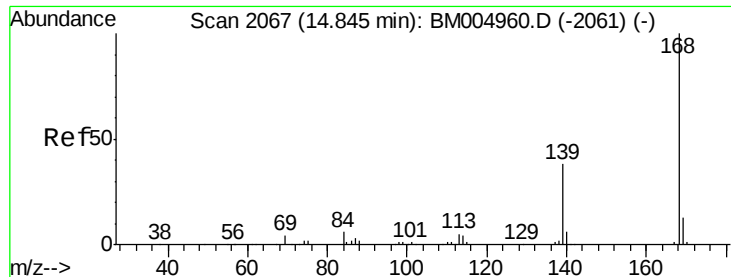
Lab File: BM005016.D

Acq: 21 Apr 2016 07:09



Tgt Ion	Ratio	Resp	Lower	Upper
153	100	188969		
152	47.1	37.7	56.5	
154	88.1	71.4	107.2	





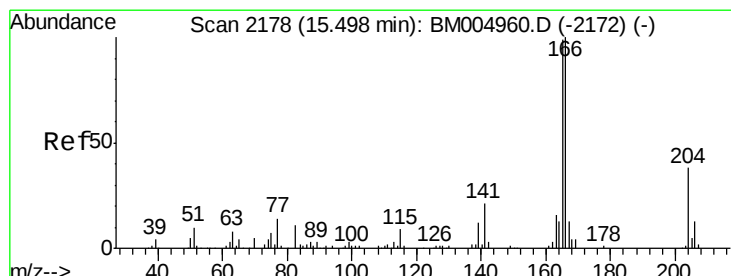
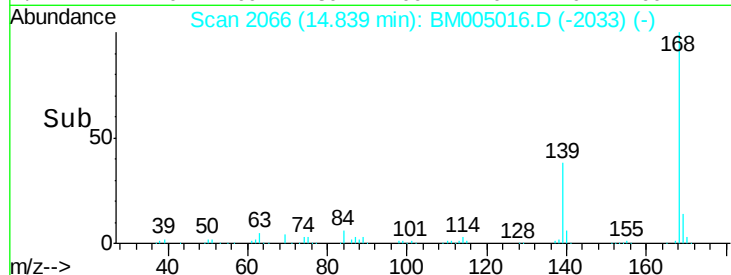
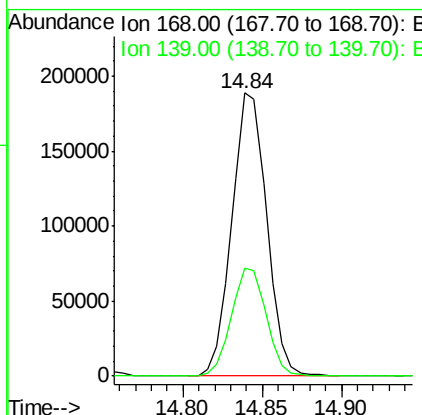
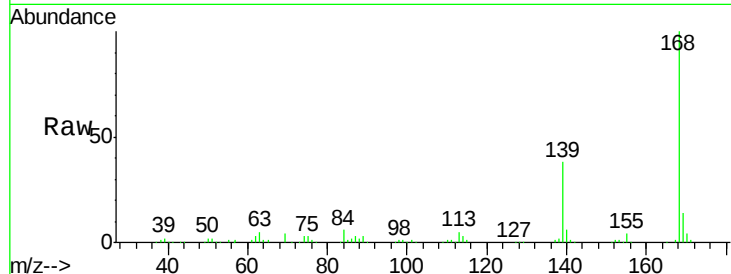
#53
Dibenzenofuran
Concen: 24.86 ng/ul
RT: 14.84 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BM005016.D
Acq: 21 Apr 2016 07:09

Instrument :
BNA_M
ClientSampleId :
BC7J5

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.0	29.9	44.9

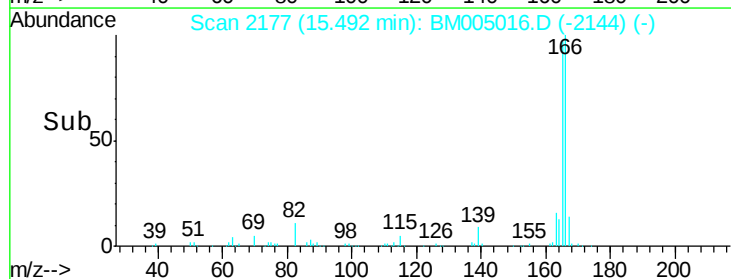
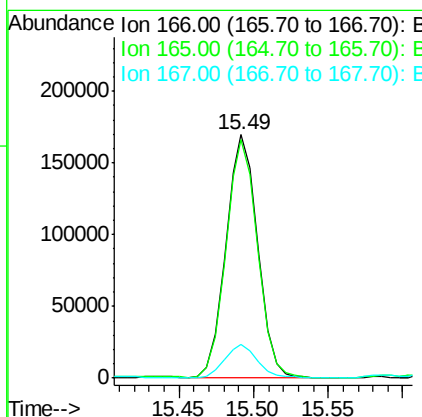
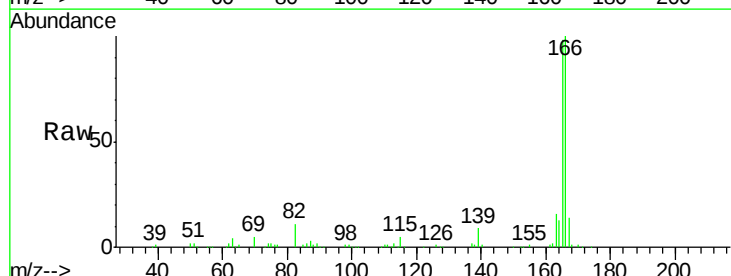
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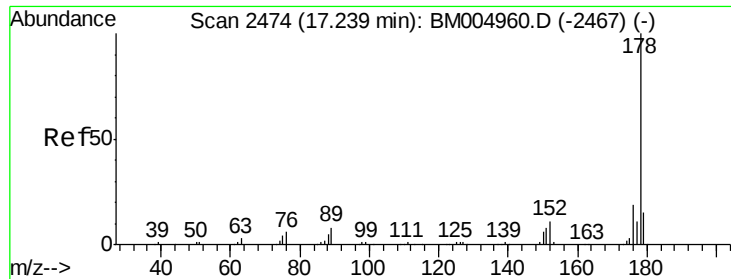
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#58
Fluorene
Concen: 28.41 ng/ul
RT: 15.49 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BM005016.D
Acq: 21 Apr 2016 07:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.7	116.5
167	14.1	10.9	16.3





#69

Phenanthrene

Concen: 76.79 ng/ul

RT: 17.23 min Scan# 2473

Delta R.T. -0.00 min

Lab File: BM005016.D

Acq: 21 Apr 2016 07:09

Instrument :

BNA_M

ClientSampleId :

BC7J5

Tgt Ion:178 Resp: 1070706

Ion Ratio Lower Upper

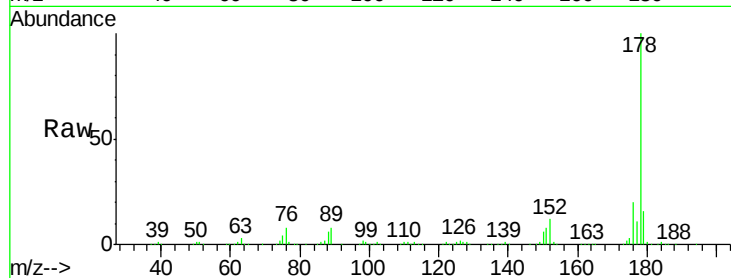
178 100

179 15.6 11.8 17.8

176 19.6 15.2 22.8

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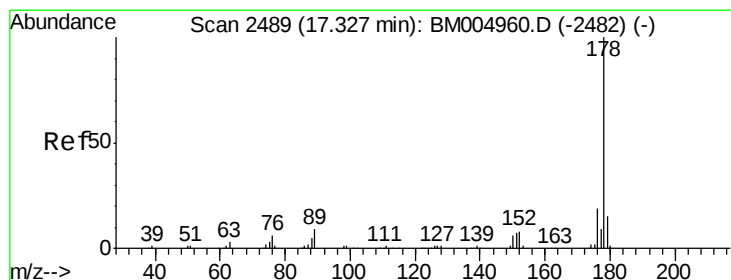
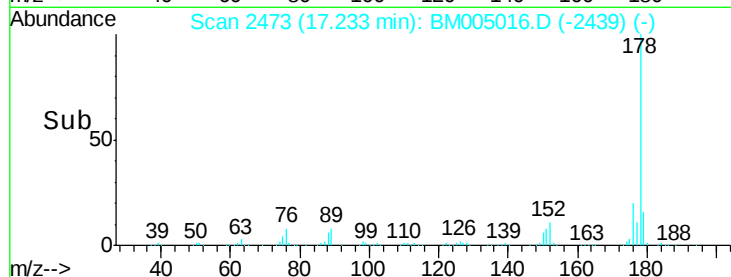
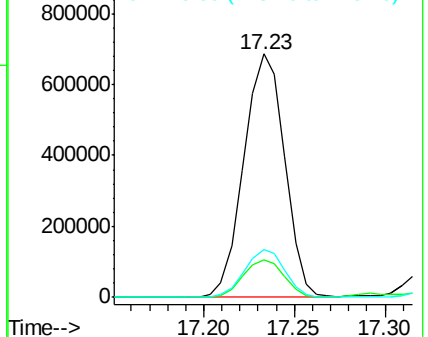
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 7.37 ng/ul

RT: 17.32 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BM005016.D

Acq: 21 Apr 2016 07:09

Tgt Ion:178 Resp: 103875

Ion Ratio Lower Upper

178 100

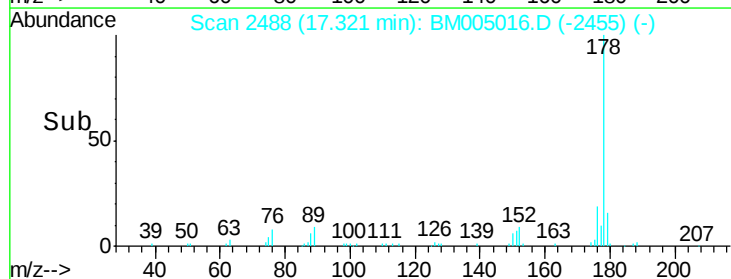
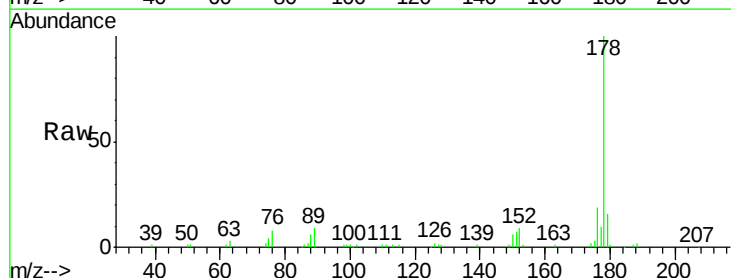
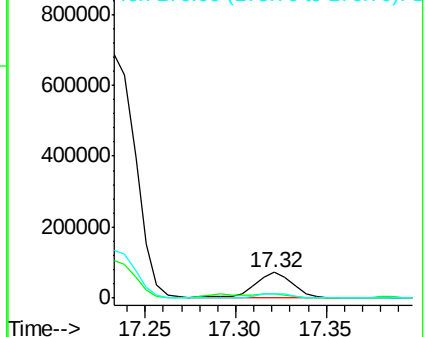
179 15.5 12.1 18.1

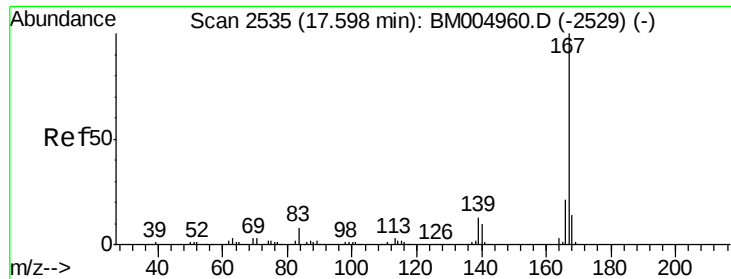
176 18.8 14.6 22.0

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





#72

Carbazole

Concen: 3.29 ng/ul

RT: 17.59 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BM005016.D

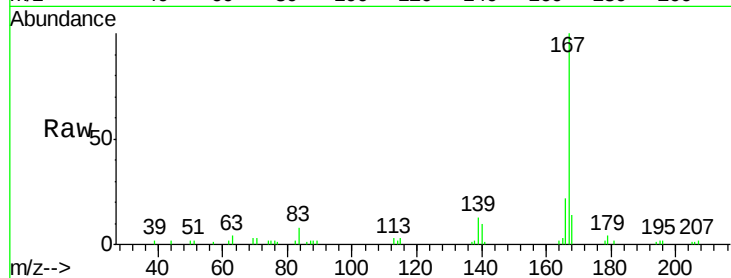
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Instrument :

BNA_M

ClientSampleId :

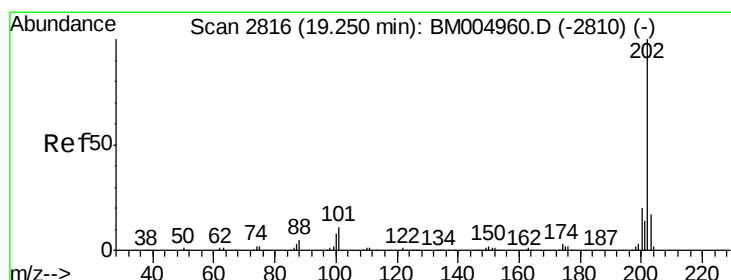
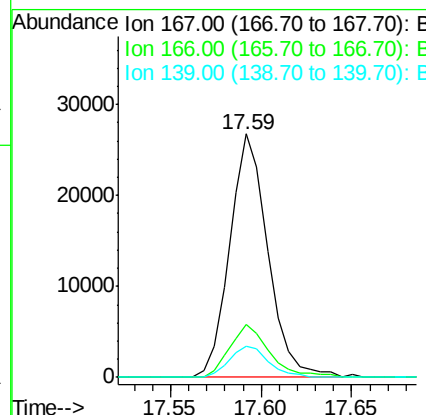
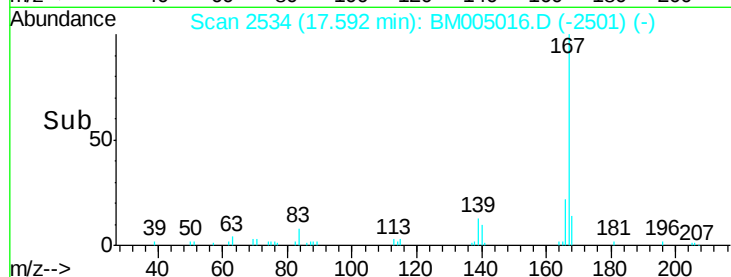
BC7J5



Tgt Ion:	167	Resp:	39106
Ion Ratio	Lower	Upper	
167	100		
166	21.6	16.6	25.0
139	13.0	10.2	15.4

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#74

Fluoranthene

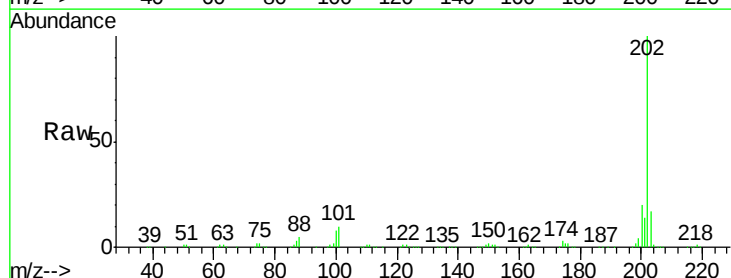
Concen: 49.78 ng/ul

RT: 19.25 min Scan# 2816

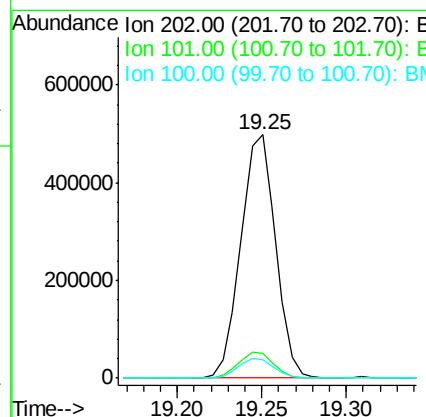
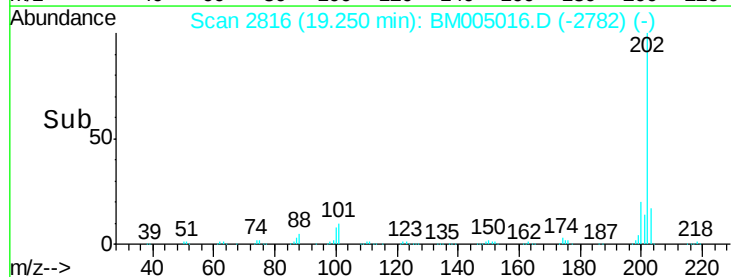
Delta R.T. -0.00 min

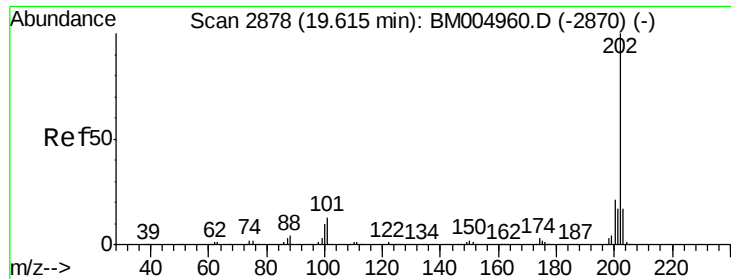
Lab File: BM005016.D

Acq: 21 Apr 2016 07:09



Tgt Ion:	202	Resp:	714985
Ion Ratio	Lower	Upper	
202	100		
101	10.2	9.0	13.4
100	7.7	6.6	10.0





#77

Pyrene

Concen: 29.40 ng/ul

RT: 19.62 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BM005016.D

Acq: 21 Apr 2016 07:09

Instrument :

BNA_M

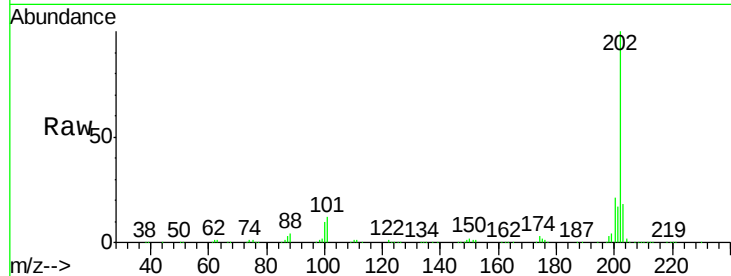
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BC7J5

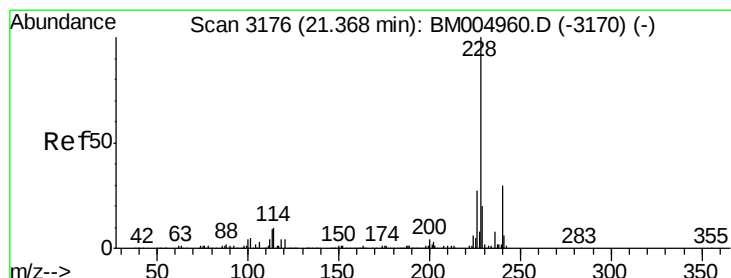
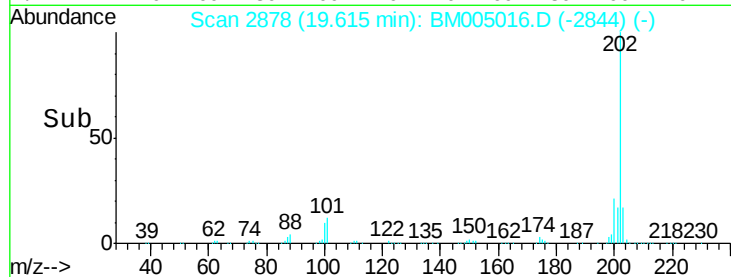
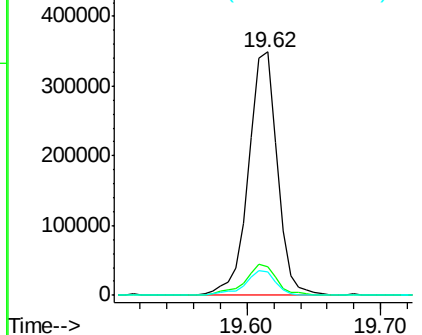
Tgt Ion:	202	Resp:	517689
Ion Ratio	Lower	Upper	
202	100		
101	11.6	10.5	15.7
100	9.7	8.2	12.2

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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

Benzo(a)anthracene

Concen: 10.79 ng/ul

RT: 21.36 min Scan# 3175

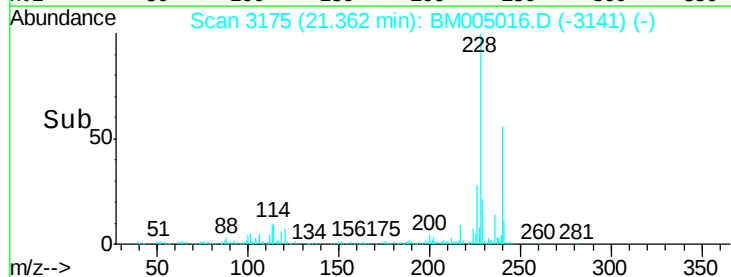
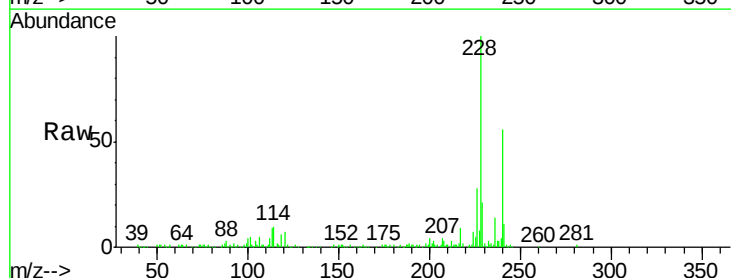
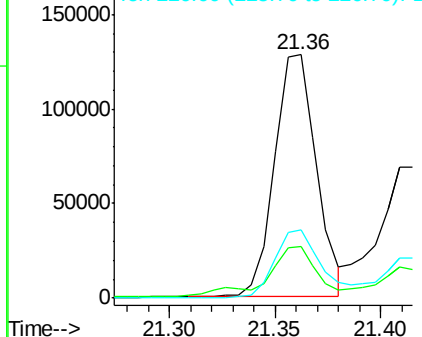
Delta R.T. -0.00 min

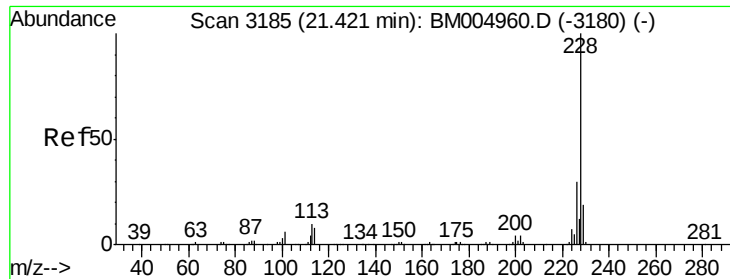
Lab File: BM005016.D

Acq: 21 Apr 2016 07:09

Tgt Ion:	228	Resp:	177080
Ion Ratio	Lower	Upper	
228	100		
229	21.2	15.8	23.6
226	28.0	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





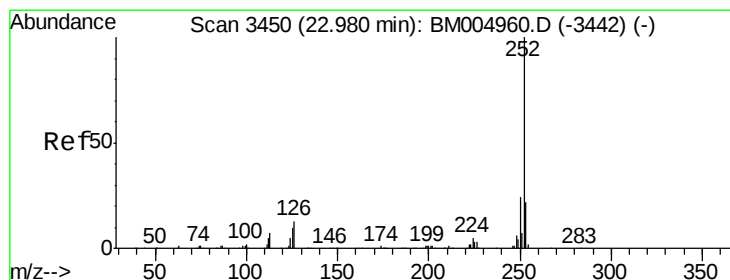
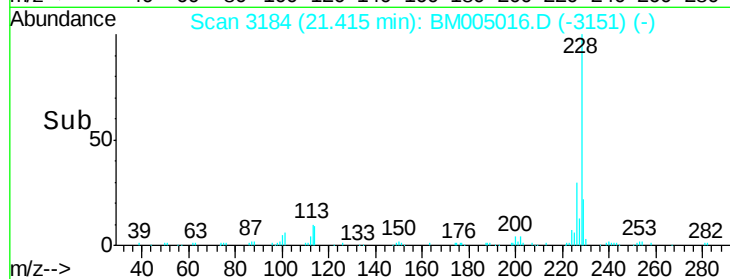
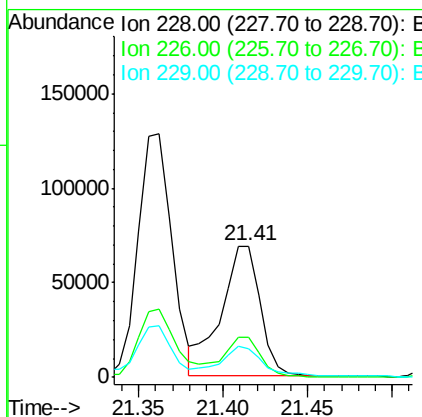
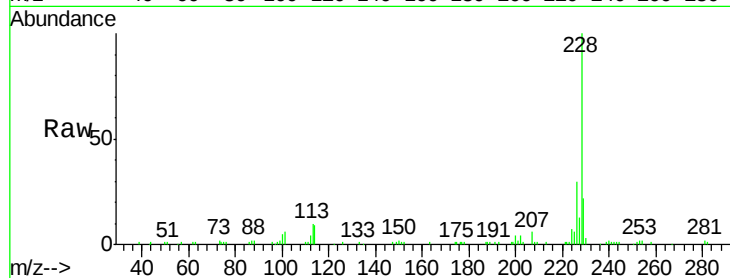
#82
Chrysene
Concen: 7.19 ng/ul
RT: 21.41 min Scan# 3184
Delta R.T. -0.01 min
Lab File: BM005016.D
Acq: 21 Apr 2016 07:09

Instrument :
BNA_M
ClientSampleId :
BC7J5

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	111752		
226	30.5	24.2	36.2	
229	22.1	15.5	23.3	

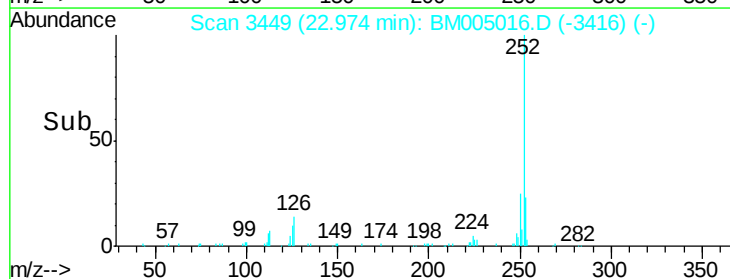
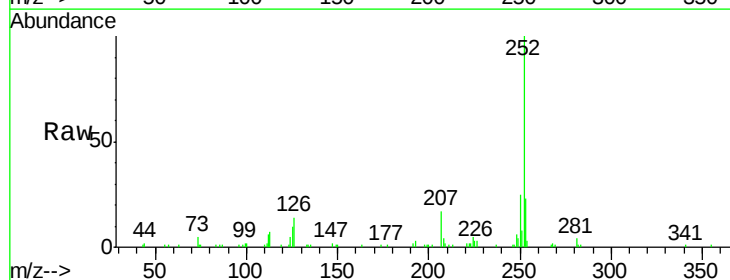
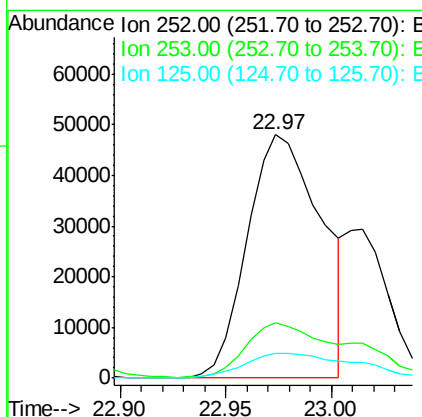
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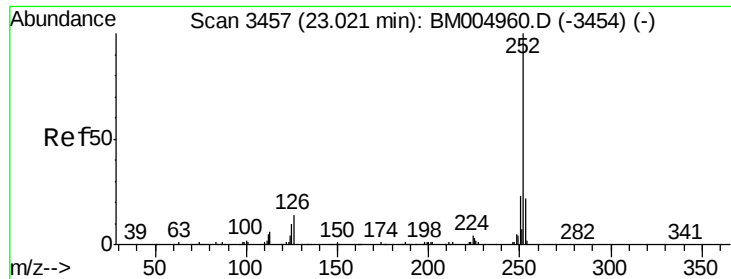
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#85
Benzo(b)fluoranthene
Concen: 7.07 ng/ul
RT: 22.97 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM005016.D
Acq: 21 Apr 2016 07:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	117056		
253	22.7	17.4	26.0	
125	10.1	7.8	11.6	





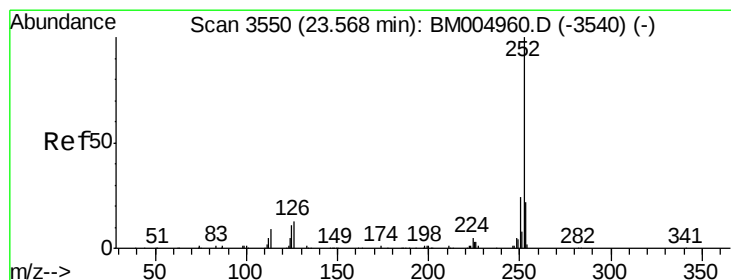
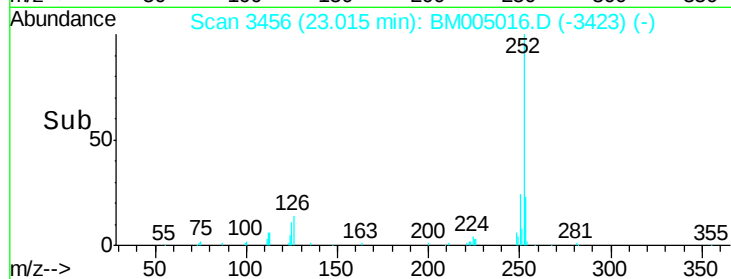
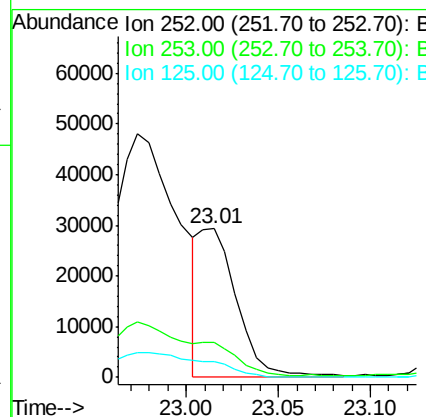
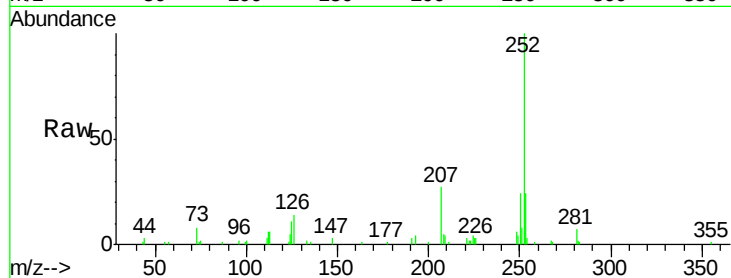
#86
Benzo(k)fluoranthene
Concen: 2.65 ng/ul m
RT: 23.01 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BM005016.D
Acq: 21 Apr 2016 07:09

Instrument :
BNA_M
ClientSampleId :
BC7J5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	10.9	7.9	11.9

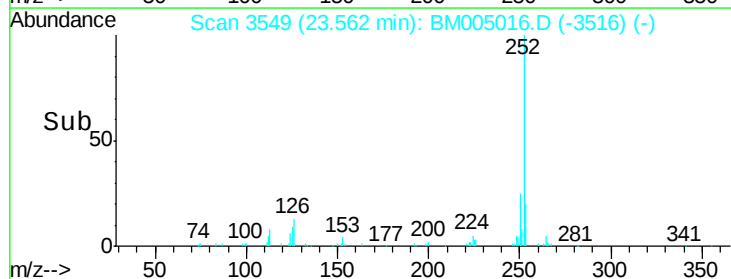
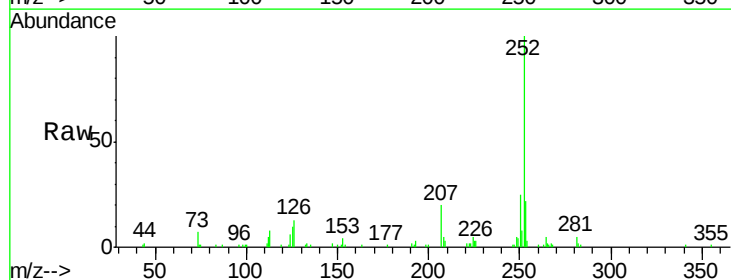
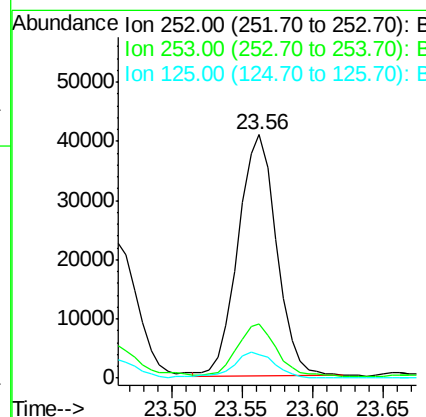
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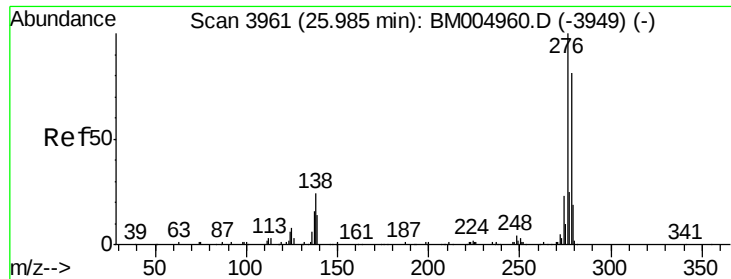
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#88
Benzo(a)pyrene
Concen: 4.89 ng/ul
RT: 23.56 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BM005016.D
Acq: 21 Apr 2016 07:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	9.5	8.3	12.5





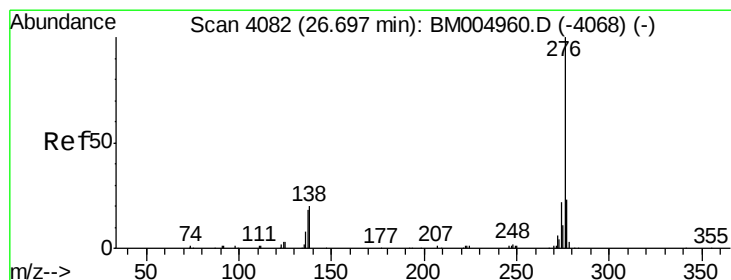
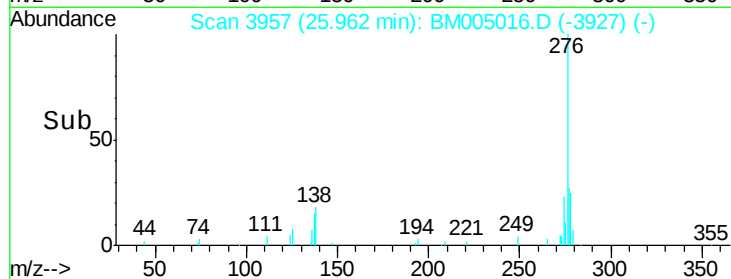
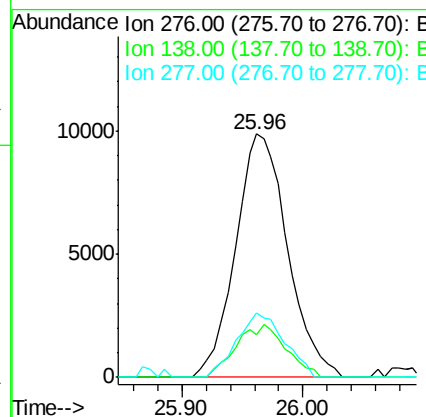
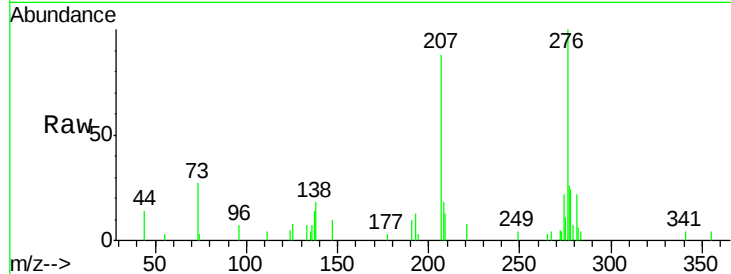
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 1.68 ng/u1
 RT: 25.96 min Scan# 3957
 Delta R.T. -0.02 min
 Lab File: BM005016.D
 Acq: 21 Apr 2016 07:09

Instrument :
 BNA_M
 ClientSampleId :
 BC7J5

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	29616		
138	17.5	20.2	30.4#	
277	26.2	20.4	30.6	

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#91
 Benzo(g,h,i)perylene
 Concen: 1.49 ng/u1
 RT: 26.68 min Scan# 4079
 Delta R.T. -0.01 min
 Lab File: BM005016.D
 Acq: 21 Apr 2016 07:09

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	22187		
138	22.8	17.4	26.2	
277	25.2	19.0	28.4	

