

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
 Data File : BM005013.D
 Acq On : 21 Apr 2016 05:21
 Operator : UM/SJ
 Sample : H2567-27
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7J2

Manual Integrations
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Quant Time: Apr 21 11:19:47 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	56274	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	243024	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	140060	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	310256	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	356347	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	353676	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	3758	3.58	ng/uL	0.00
5) Phenol-d5	6.97	99	70148	17.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	44394	19.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	58624	17.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	56751	17.10	ng/ul	-0.01
19) Nitrobenzene-d5	8.96	128	27294	16.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	29938	16.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	55454	16.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	76053	20.52	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	180877	18.98	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	219784	18.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	17427	10.72	ng/ul	0.00
57) Fluorene-d10	15.43	176	162885	19.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	15989	11.91	ng/ul	0.00
70) Anthracene-d10	17.29	188	244324	19.82	ng/ul	0.00
76) Pyrene-d10	19.58	212	280661	18.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	284777	20.91	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.65	128	405689	37.47	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	115851	14.68	ng/ul	100
40) 1,1'-Biphenyl	13.27	154	34927	3.48	ng/ul	99
44) Dimethylphthalate	13.90	163	48196	5.08	ng/ul	100
47) Acenaphthylene	14.16	152	35211	2.84	ng/ul	96
49) Acenaphthene	14.51	153	99510	12.32	ng/ul	99
53) Dibenzofuran	14.84	168	149683	12.81	ng/ul	99
58) Fluorene	15.49	166	135518	15.07	ng/ul	100
69) Phenanthrene	17.23	178	581759	40.18	ng/ul	99
71) Anthracene	17.32	178	61648	4.21	ng/ul	99
72) Carbazole	17.59	167	29094	2.36	ng/ul	98
74) Fluoranthene	19.25	202	377087	25.28	ng/ul	99
77) Pyrene	19.61	202	269426	14.30	ng/ul	100
80) Benzo(a)anthracene	21.36	228	93916	5.35	ng/ul	98
82) Chrysene	21.41	228	69760	4.19	ng/ul	97
85) Benzo(b)fluoranthene	22.97	252	61689	3.52	ng/ul	99
86) Benzo(k)fluoranthene	23.01	252	22404m	1.32	ng/ul	
88) Benzo(a)pyrene	23.56	252	42334	2.52	ng/ul	100

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

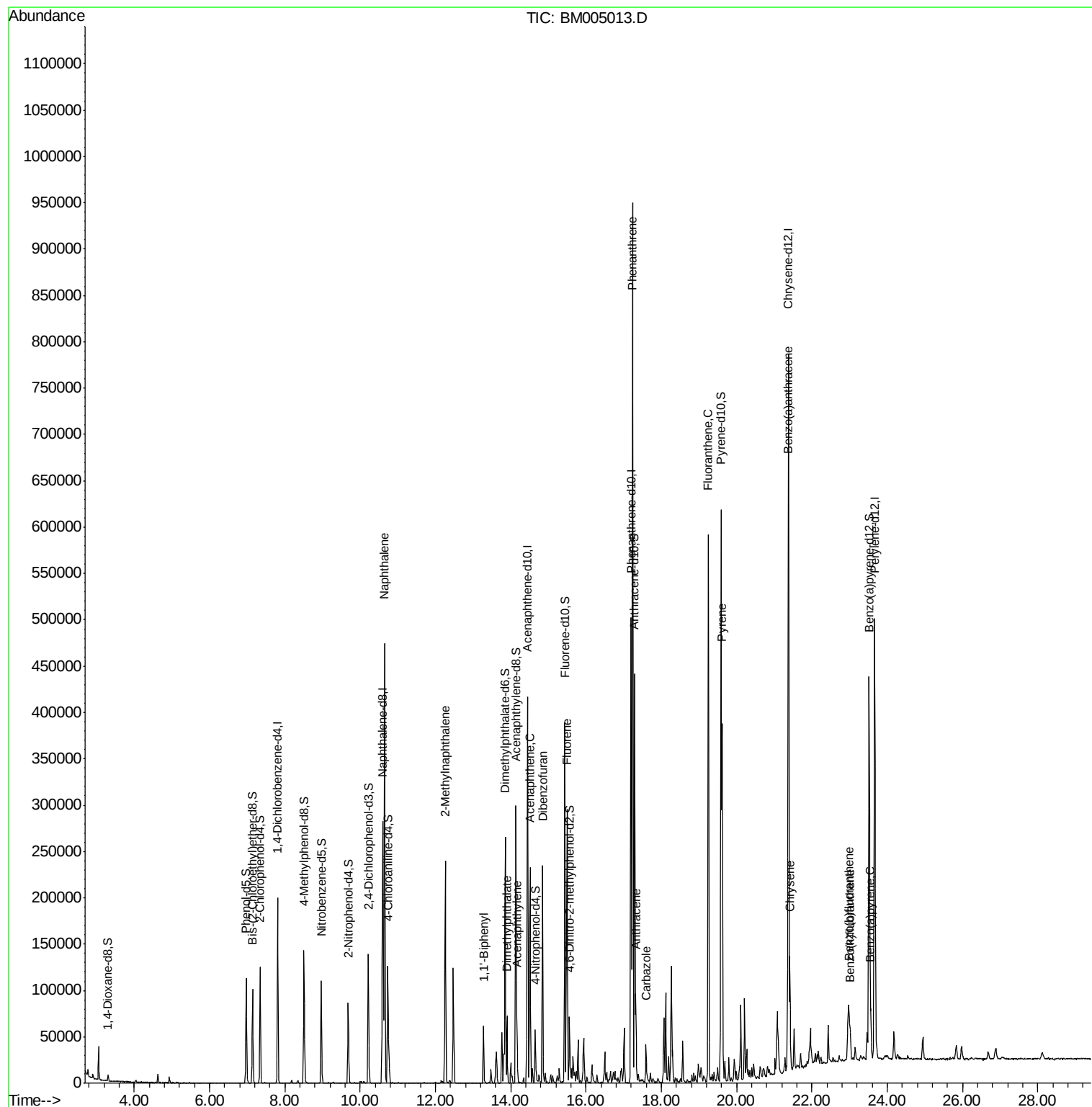
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005013.D
Acq On : 21 Apr 2016 05:21
Operator : UM/SJ
Sample : H2567-27
Misc :
ALS Vial : 28 Sample Multiplier: 1

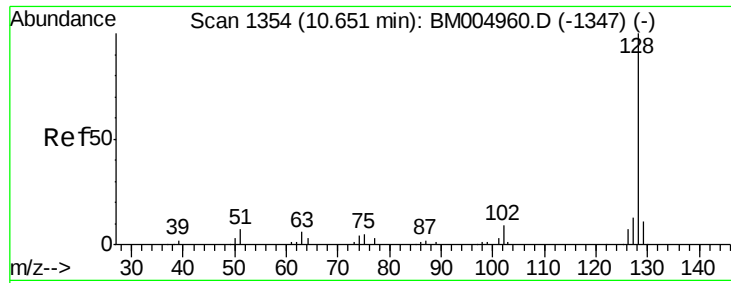
Instrument :
BNA_M
ClientSampleId :
BC7J2

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Quant Title : SVOA CALIBRATION
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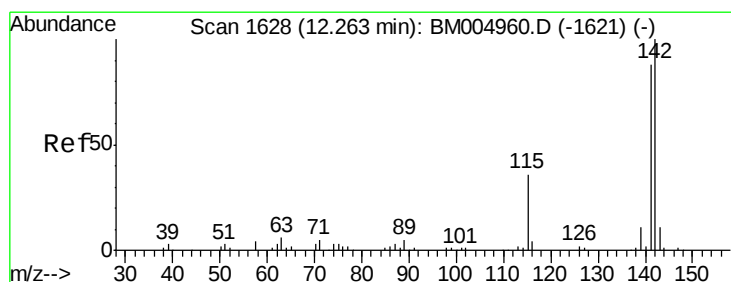
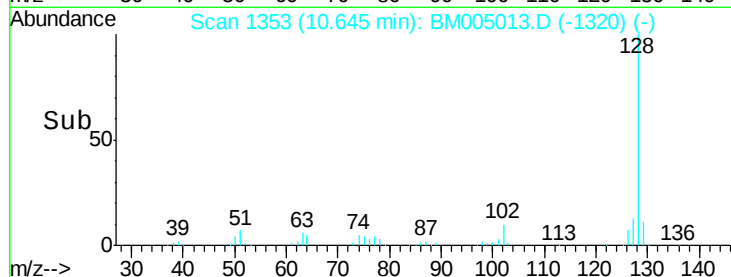
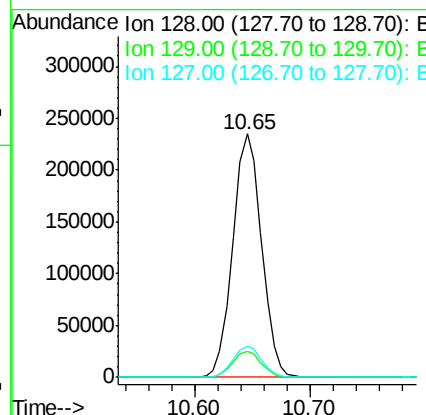
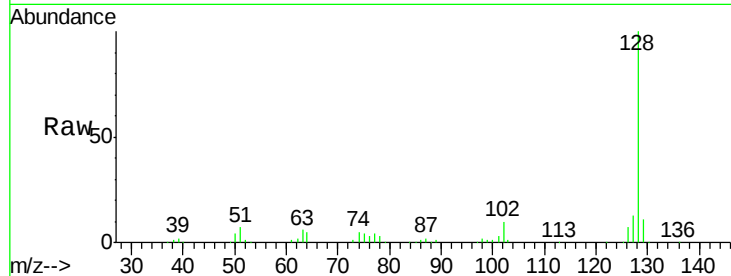
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Naphthalene
Concen: 37.47 ng/ul
RT: 10.65 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BM005013.D
Acq: 21 Apr 2016 05:21

Instrument :
BNA_M
ClientSampleId :
BC7J2

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	405689		
129	10.8		8.7	13.1
127	12.9		10.6	15.8

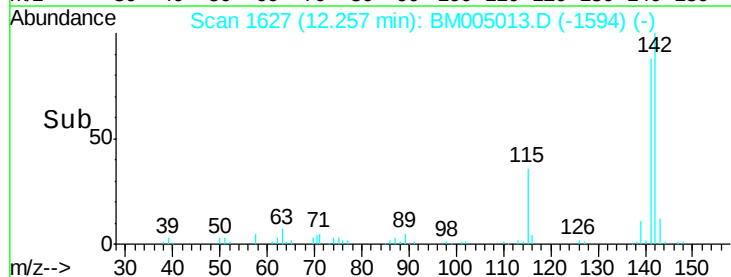
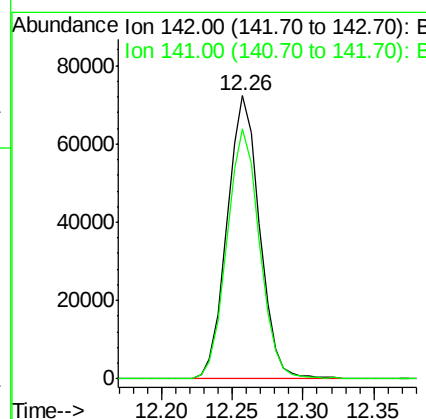
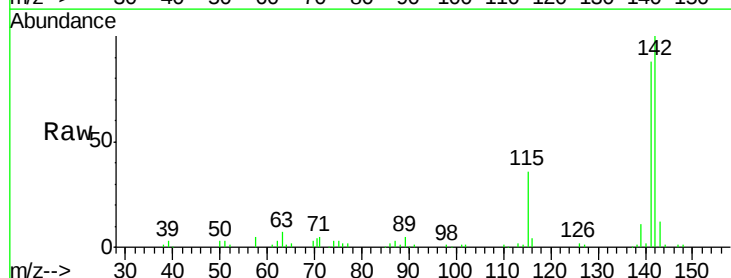
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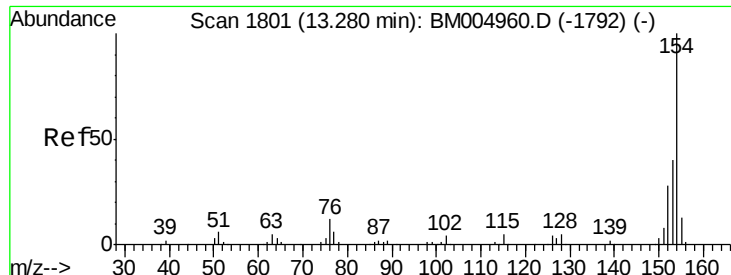
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#34
2-Methylnaphthalene
Concen: 14.68 ng/ul
RT: 12.26 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BM005013.D
Acq: 21 Apr 2016 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	115851		
141	88.3		70.3	105.5





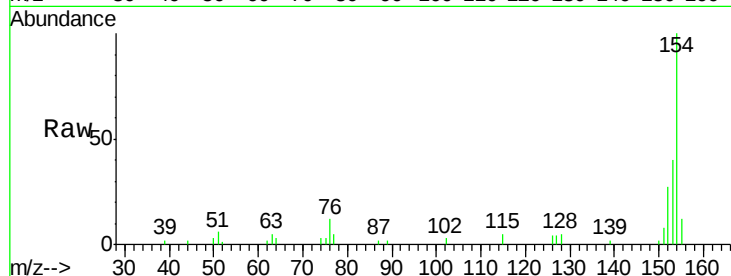
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 1,1'-Biphenyl
 Concen: 3.48 ng/ul
 RT: 13.27 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BM005013.D
 Acq: 21 Apr 2016 05:21

Instrument :
 BNA_M
 ClientSampleId :
 BC7J2

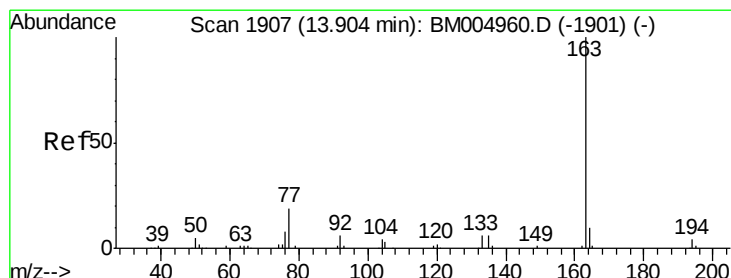
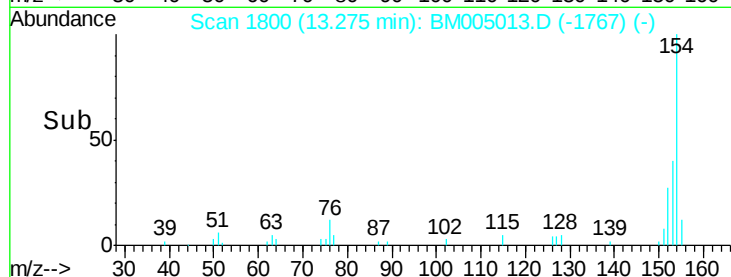
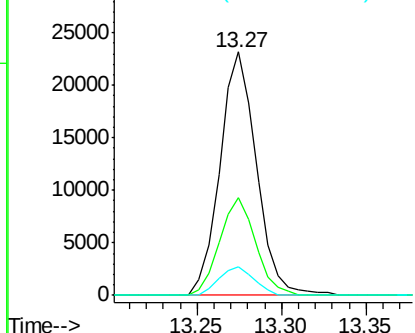
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	34927		
153	39.9	31.5	47.3	
76	11.9	10.1	15.1	

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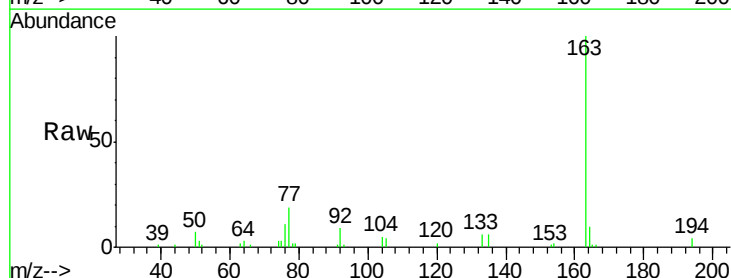


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

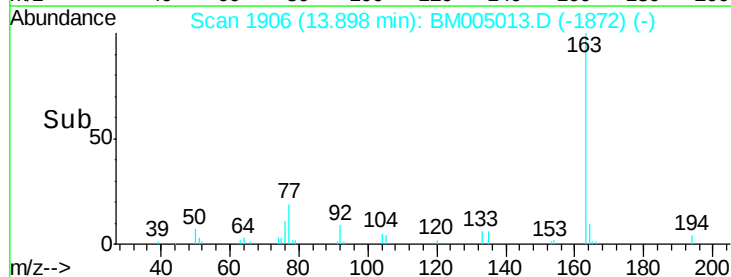
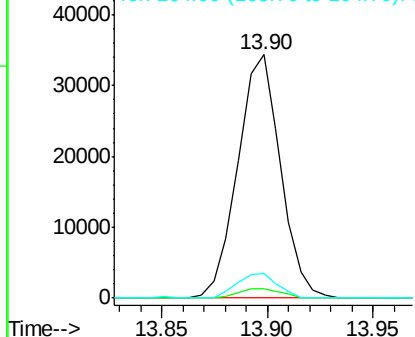


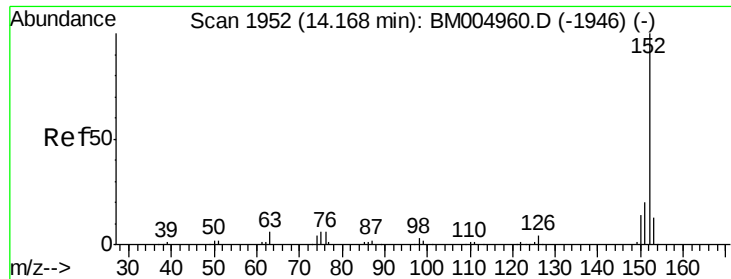
#44
 Dimethylphthalate
 Concen: 5.08 ng/ul
 RT: 13.90 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: BM005013.D
 Acq: 21 Apr 2016 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	48196		
194	3.9	3.3	4.9	
164	10.2	8.2	12.2	



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 2.84 ng/ul

RT: 14.16 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM005013.D

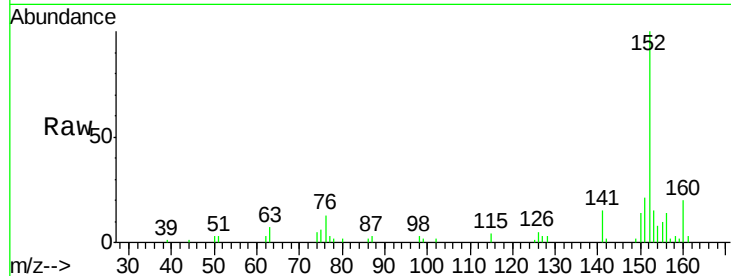
Acq: 21 Apr 2016 05:21

Instrument :

BNA_M

ClientSampleId :

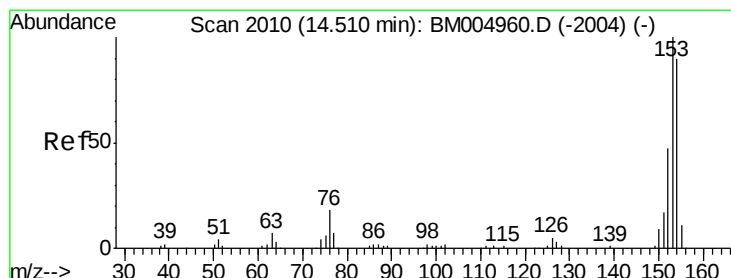
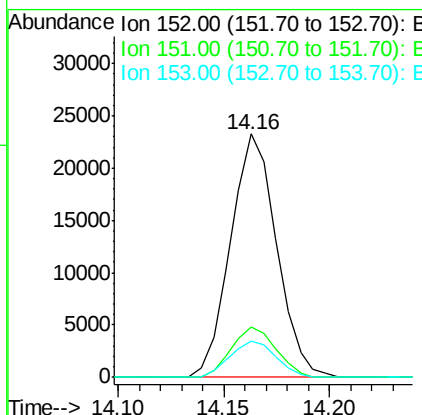
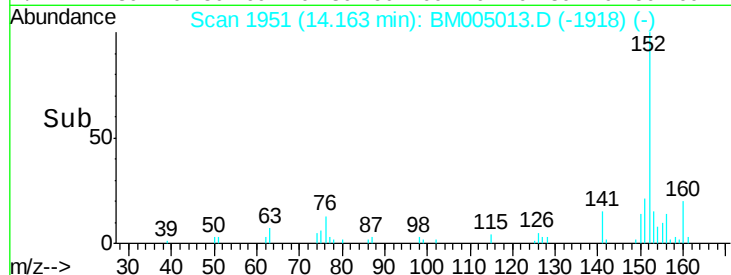
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.8	23.8
153	15.1	10.3	15.5

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#49

Acenaphthene

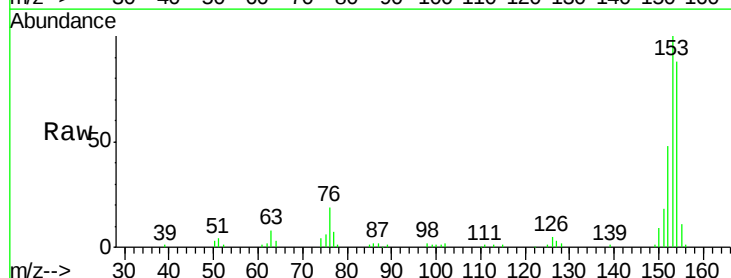
Concen: 12.32 ng/ul

RT: 14.51 min Scan# 2010

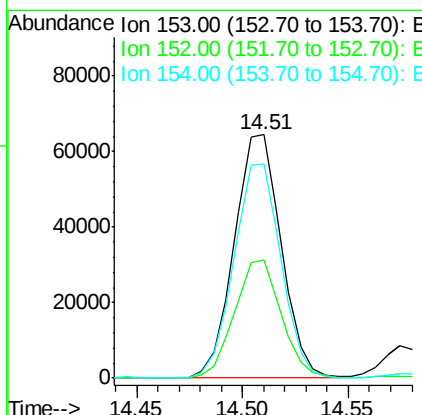
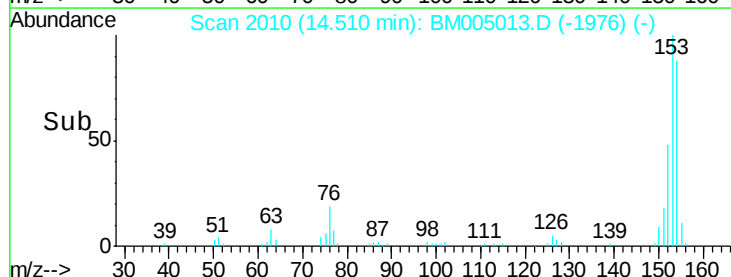
Delta R.T. 0.00 min

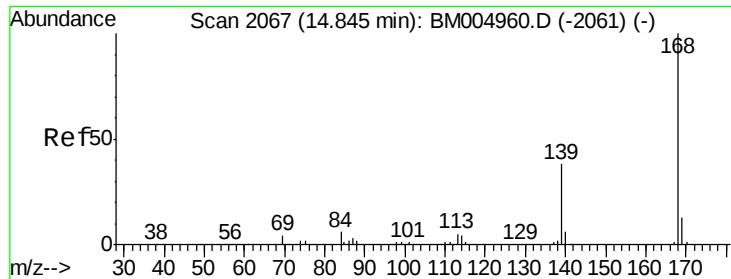
Lab File: BM005013.D

Acq: 21 Apr 2016 05:21



Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.3	37.7	56.5
154	88.2	71.4	107.2





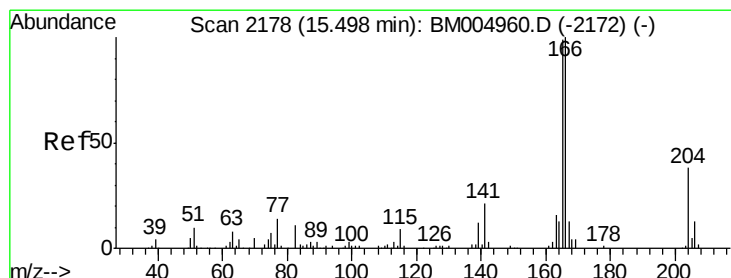
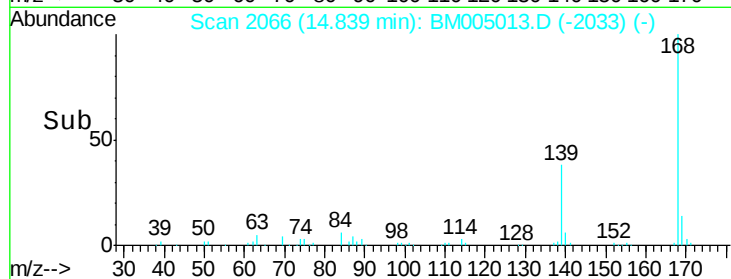
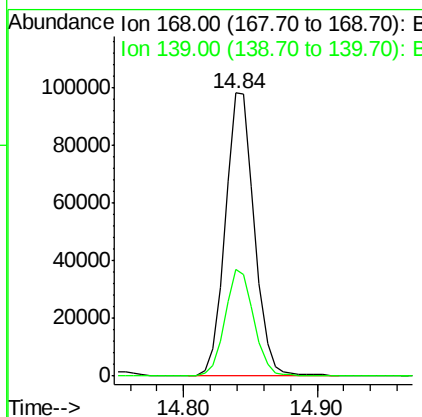
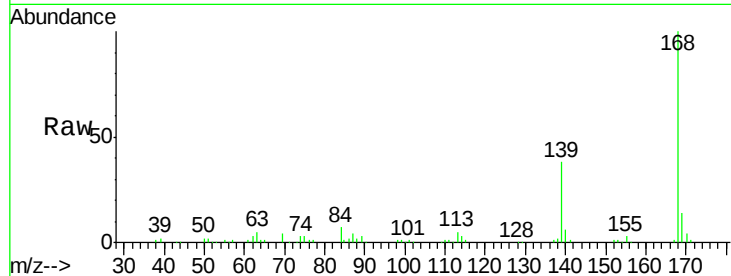
#53
Dibenzenofuran
Concen: 12.81 ng/ul
RT: 14.84 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BM005013.D
Acq: 21 Apr 2016 05:21

Instrument :
BNA_M
ClientSampled :
BC7J2

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.7	29.9	44.9

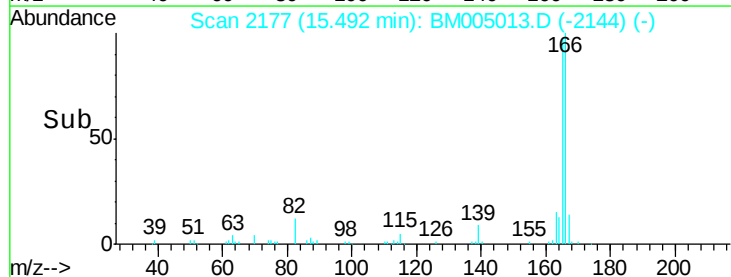
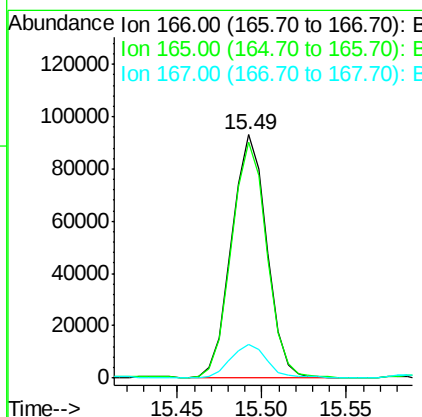
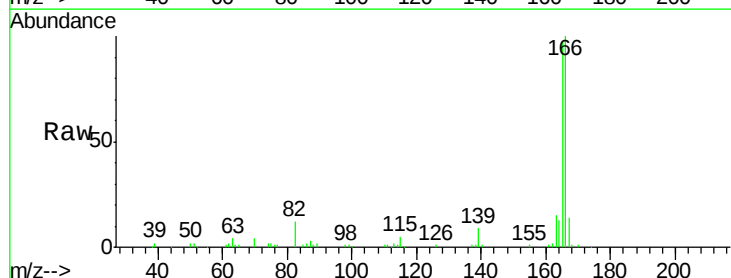
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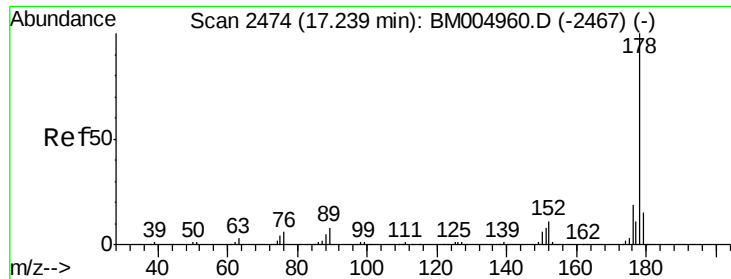
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#58
Fluorene
Concen: 15.07 ng/ul
RT: 15.49 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BM005013.D
Acq: 21 Apr 2016 05:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.7	116.5
167	13.8	10.9	16.3





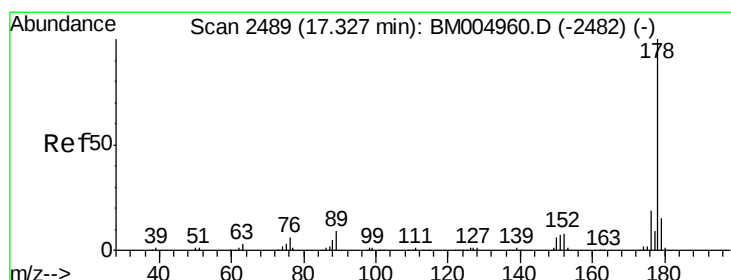
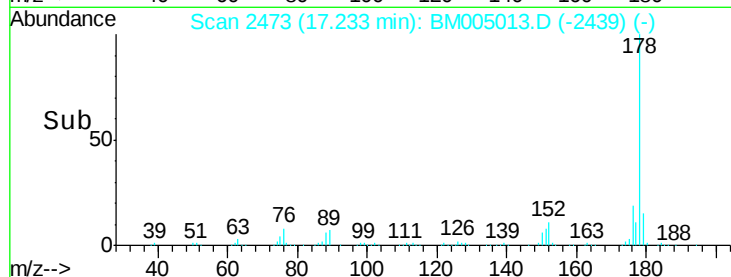
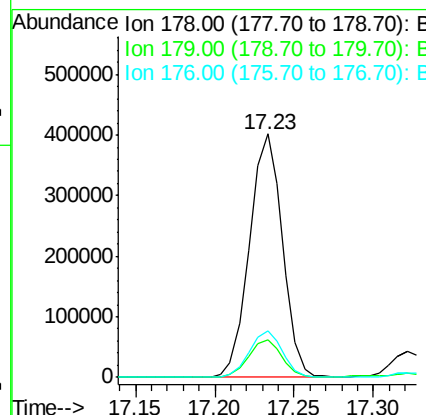
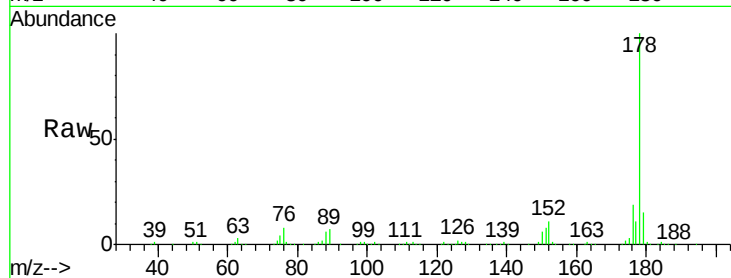
#69
 Phenanthrene
 Concen: 40.18 ng/ul
 RT: 17.23 min Scan# 2473
 Delta R.T. 0.00 min
 Lab File: BM005013.D
 Acq: 21 Apr 2016 05:21

Instrument :
 BNA_M
 ClientSampleId :
 BC7J2

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	19.0	15.2	22.8

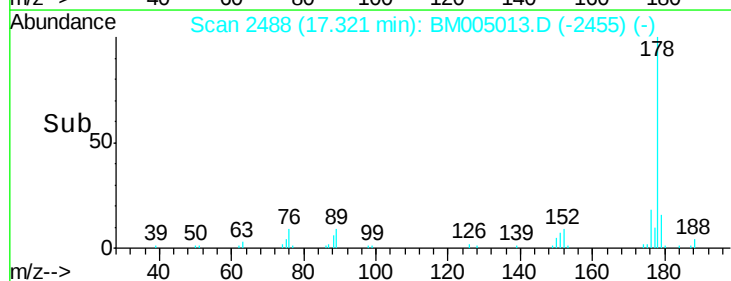
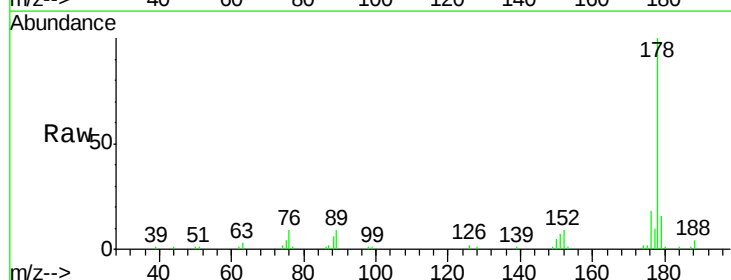
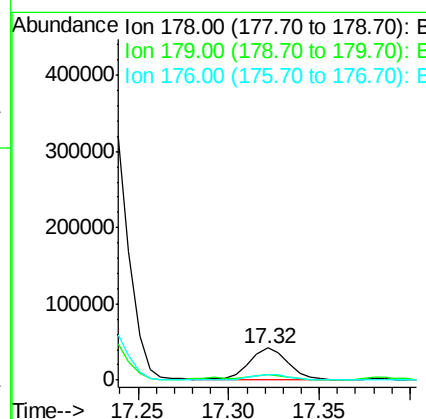
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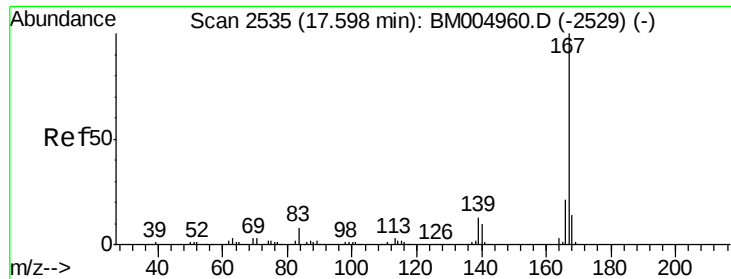
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#71
 Anthracene
 Concen: 4.21 ng/ul
 RT: 17.32 min Scan# 2488
 Delta R.T. -0.01 min
 Lab File: BM005013.D
 Acq: 21 Apr 2016 05:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.1	18.1
176	18.3	14.6	22.0





#72

Carbazole

Concen: 2.36 ng/ul

RT: 17.59 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BM005013.D

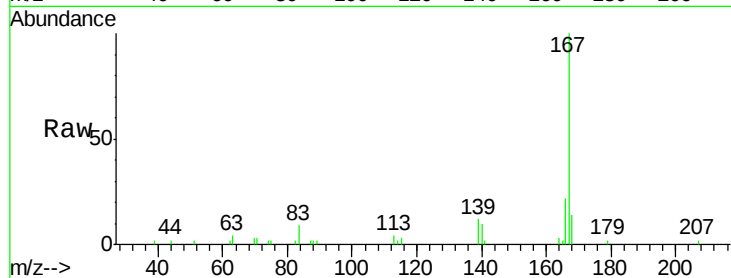
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Instrument :

BNA_M

ClientSampled :

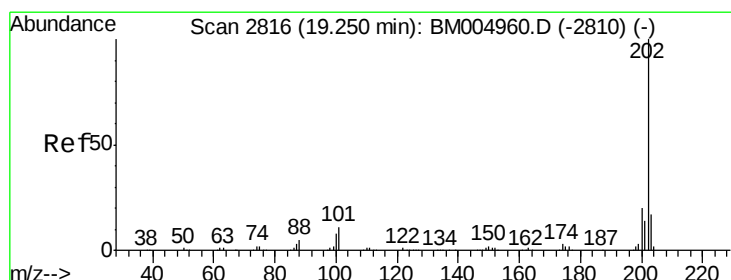
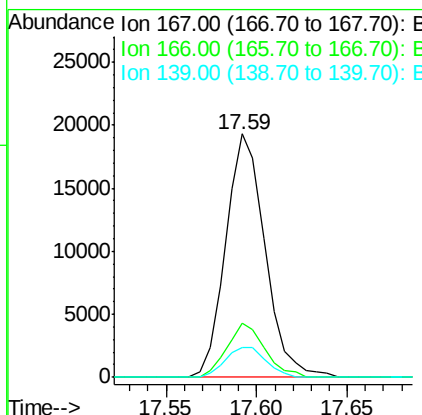
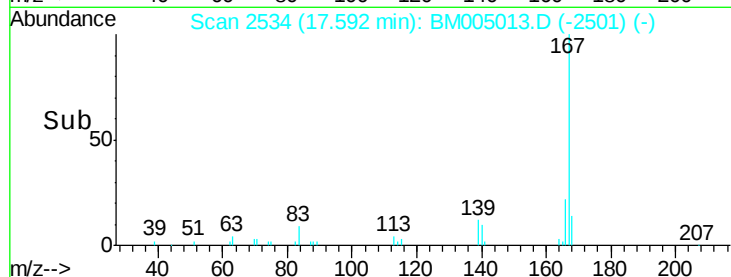
BC7J2



Tgt Ion:	167	Resp:	29094
Ion Ratio	Lower	Upper	
167	100		
166	22.2	16.6	25.0
139	12.4	10.2	15.4

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#74

Fluoranthene

Concen: 25.28 ng/ul

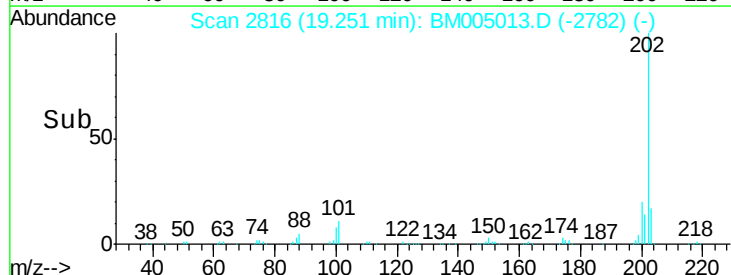
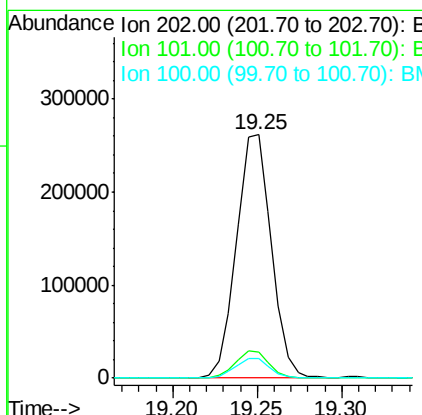
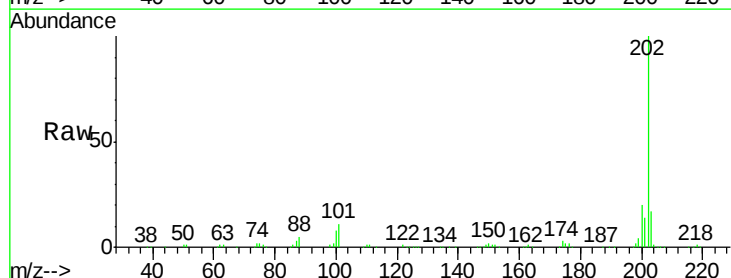
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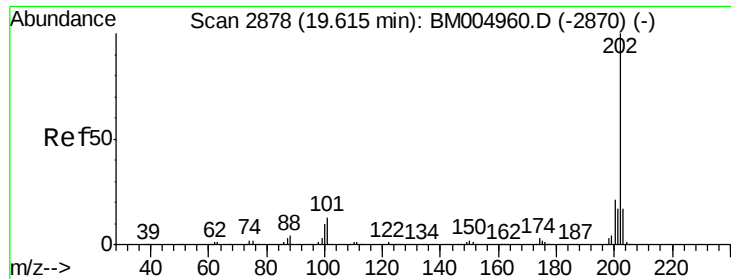
Delta R.T. 0.00 min

Lab File: BM005013.D

Acq: 21 Apr 2016 05:21

Tgt Ion:	202	Resp:	377087
Ion Ratio	Lower	Upper	
202	100		
101	10.8	9.0	13.4
100	7.9	6.6	10.0





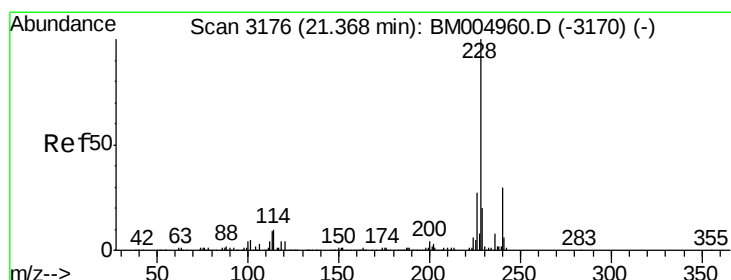
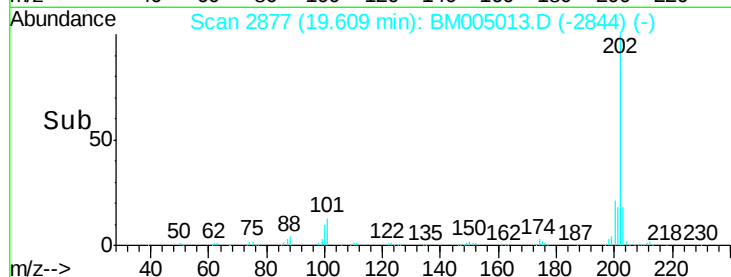
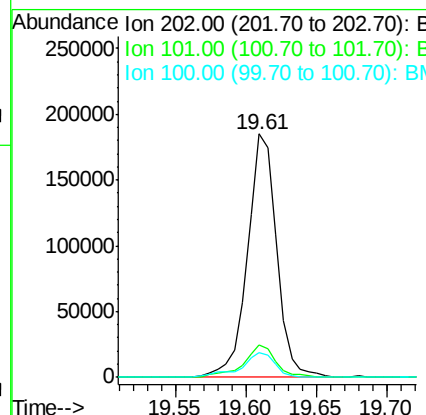
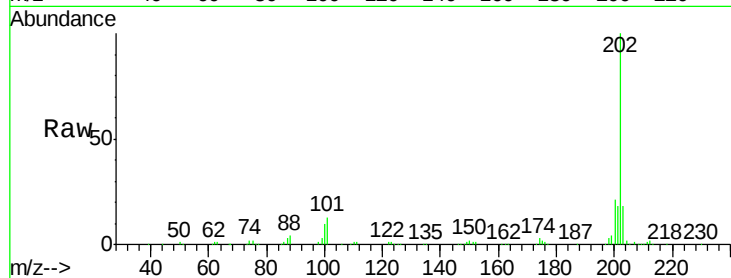
#77
 Pyrene
 Concen: 14.30 ng/ul
 RT: 19.61 min Scan# 2877
 Delta R.T. -0.01 min
 Lab File: BM005013.D
 Acq: 21 Apr 2016 05:21

Instrument :
 BNA_M
 ClientSampleId :
 BC7J2

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	269426		
101	13.3	10.5	15.7	
100	10.2	8.2	12.2	

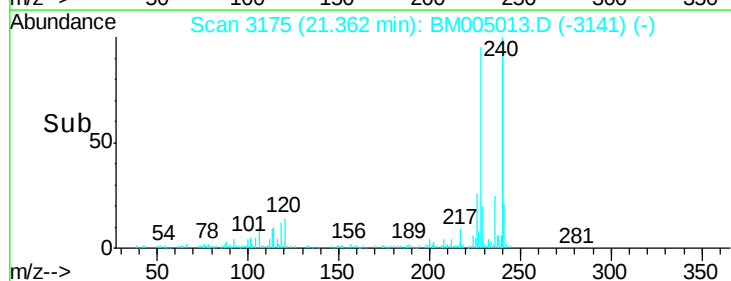
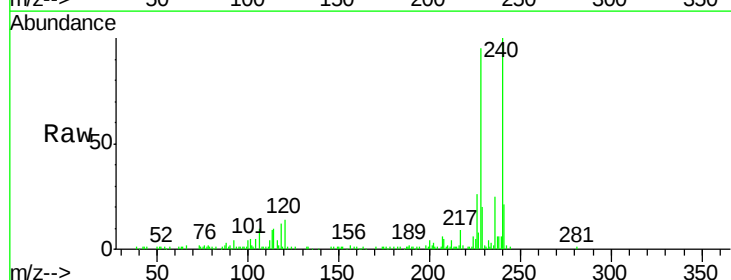
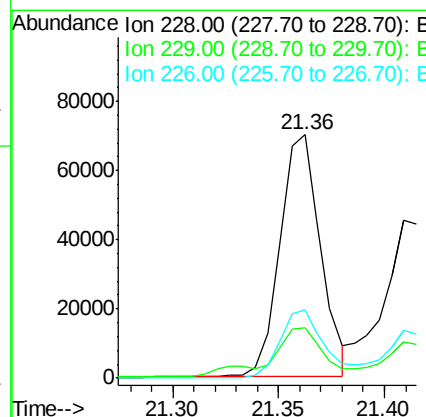
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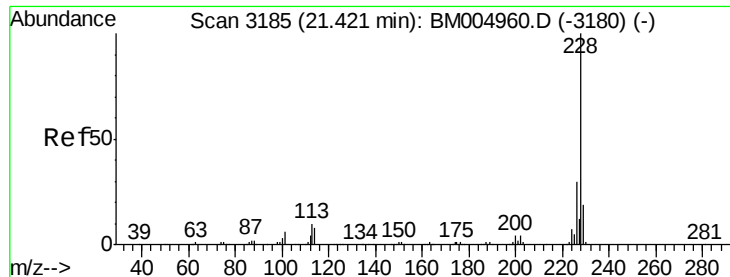
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#80
 Benzo(a)anthracene
 Concen: 5.35 ng/ul
 RT: 21.36 min Scan# 3175
 Delta R.T. 0.00 min
 Lab File: BM005013.D
 Acq: 21 Apr 2016 05:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	93916		
229	20.8	15.8	23.6	
226	27.8	21.5	32.3	





#82

Chrysene

Concen: 4.19 ng/ul

RT: 21.41 min Scan# 3183

Delta R.T. -0.01 min

Lab File: BM005013.D

Acq: 21 Apr 2016 05:21

Instrument :

BNA_M

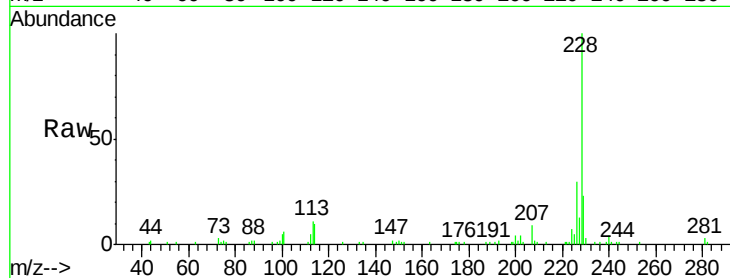
ClientSampleId :

BC7J2

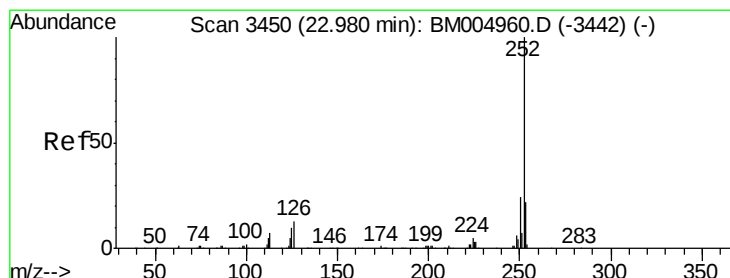
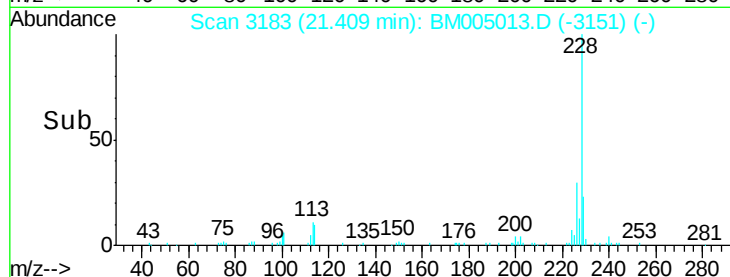
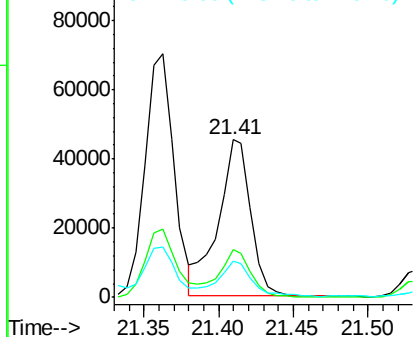
Tgt Ion:	228	Resp:	69760
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.2	36.2
229	22.6	15.5	23.3

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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: 3.52 ng/ul

RT: 22.97 min Scan# 3449

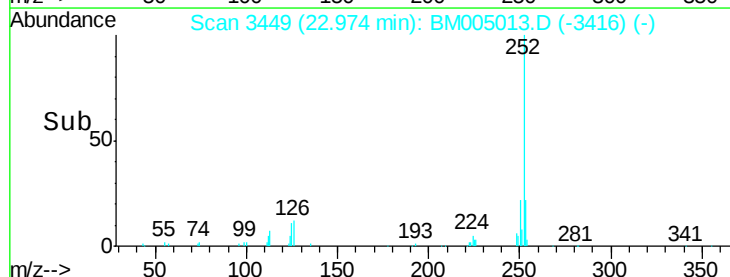
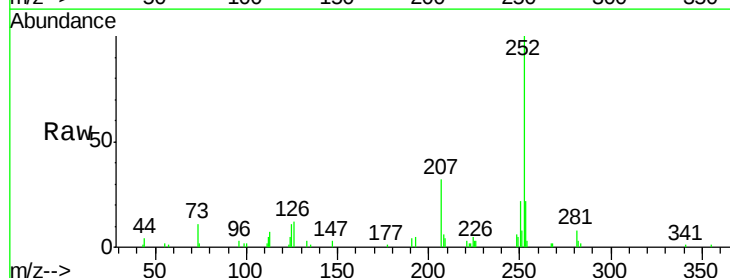
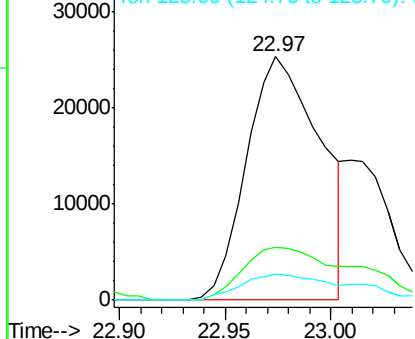
Delta R.T. -0.01 min

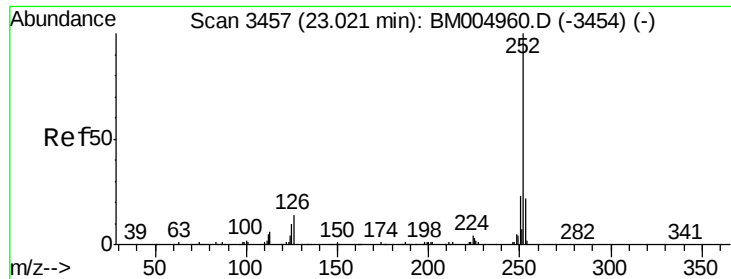
Lab File: BM005013.D

Acq: 21 Apr 2016 05:21

Tgt Ion:	252	Resp:	61689
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.4	26.0
125	10.5	7.8	11.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





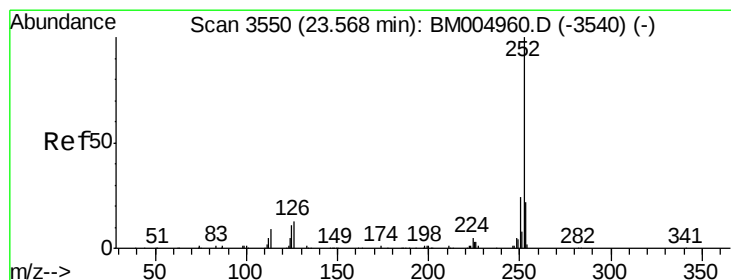
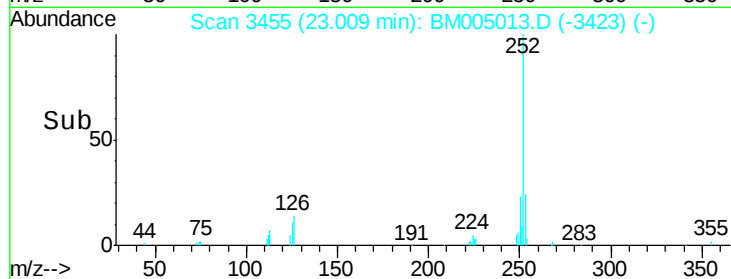
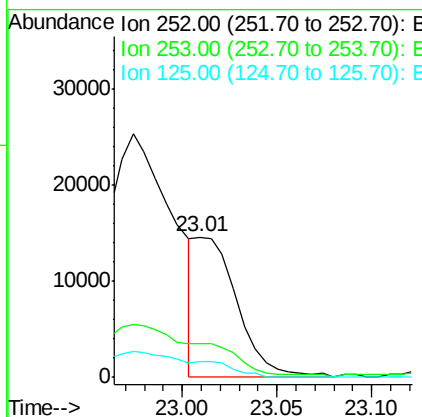
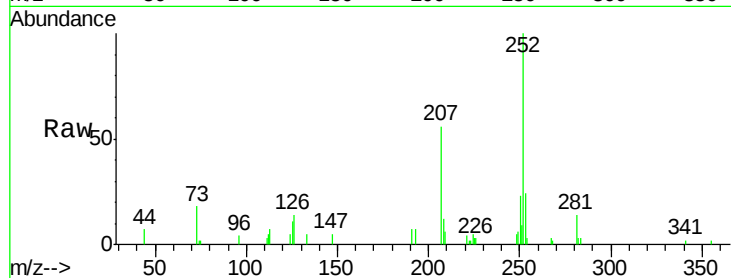
#86
Benzo(k)fluoranthene
Concen: 1.32 ng/ul m
RT: 23.01 min Scan# 3455
Delta R.T. -0.01 min
Lab File: BM005013.D
Acq: 21 Apr 2016 05:21

Instrument :
BNA_M
ClientSampleId :
BC7J2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	11.0	7.9	11.9

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#88
Benzo(a)pyrene
Concen: 2.52 ng/ul
RT: 23.56 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BM005013.D
Acq: 21 Apr 2016 05:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.1	8.3	12.5

