

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
 Data File : BM005014.D
 Acq On : 21 Apr 2016 05:57
 Operator : UM/SJ
 Sample : H2567-28
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC7J3

Manual Integrations
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Quant Time: Apr 21 11:22:12 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	48359	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	210870	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	120765	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	265527	20.00	ng/ul	0.00
75) Chrysene-d12	21.38	240	303194	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	298835	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	5732	6.35	ng/uL	0.00
5) Phenol-d5	6.97	99	108340	31.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	65335	33.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	88615	30.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	87478	30.67	ng/ul	-0.01
19) Nitrobenzene-d5	8.96	128	42144	30.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	47458	30.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	83795	29.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	119421	37.13	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	262449	31.95	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	325589	32.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	34754	24.80	ng/ul	0.00
57) Fluorene-d10	15.44	176	232444	32.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	29775	25.92	ng/ul	0.00
70) Anthracene-d10	17.29	188	345817	32.78	ng/ul	0.00
76) Pyrene-d10	19.59	212	393730	31.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	403093	35.03	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.65	128	210553	22.41	ng/ul	100
34) 2-Methylnaphthalene	12.26	142	91725	13.40	ng/ul	100
40) 1,1'-Biphenyl	13.27	154	45265	5.23	ng/ul	100
44) Dimethylphthalate	13.90	163	85669	10.48	ng/ul	100
47) Acenaphthylene	14.16	152	37412	3.50	ng/ul#	97
49) Acenaphthene	14.50	153	116921	16.79	ng/ul	100
53) Dibenzofuran	14.84	168	168729	16.74	ng/ul	100
58) Fluorene	15.49	166	156368	20.17	ng/ul	99
69) Phenanthrene	17.23	178	656451	52.98	ng/ul	99
71) Anthracene	17.32	178	92239	7.36	ng/ul	99
72) Carbazole	17.59	167	30908	2.93	ng/ul	99
74) Fluoranthene	19.25	202	429502	33.65	ng/ul	98
77) Pyrene	19.62	202	308479	19.25	ng/ul	98
80) Benzo(a)anthracene	21.36	228	112662	7.54	ng/ul	98
82) Chrysene	21.42	228	94601	6.68	ng/ul	97
85) Benzo(b)fluoranthene	22.97	252	68776	4.64	ng/ul	97
86) Benzo(k)fluoranthene	23.02	252	28788m	2.01	ng/ul	
88) Benzo(a)pyrene	23.56	252	46690	3.29	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.97	276	17739	1.12	ng/ul	96
91) Benzo(g,h,i)perylene	26.67	276	13718	1.03	ng/ul	99

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

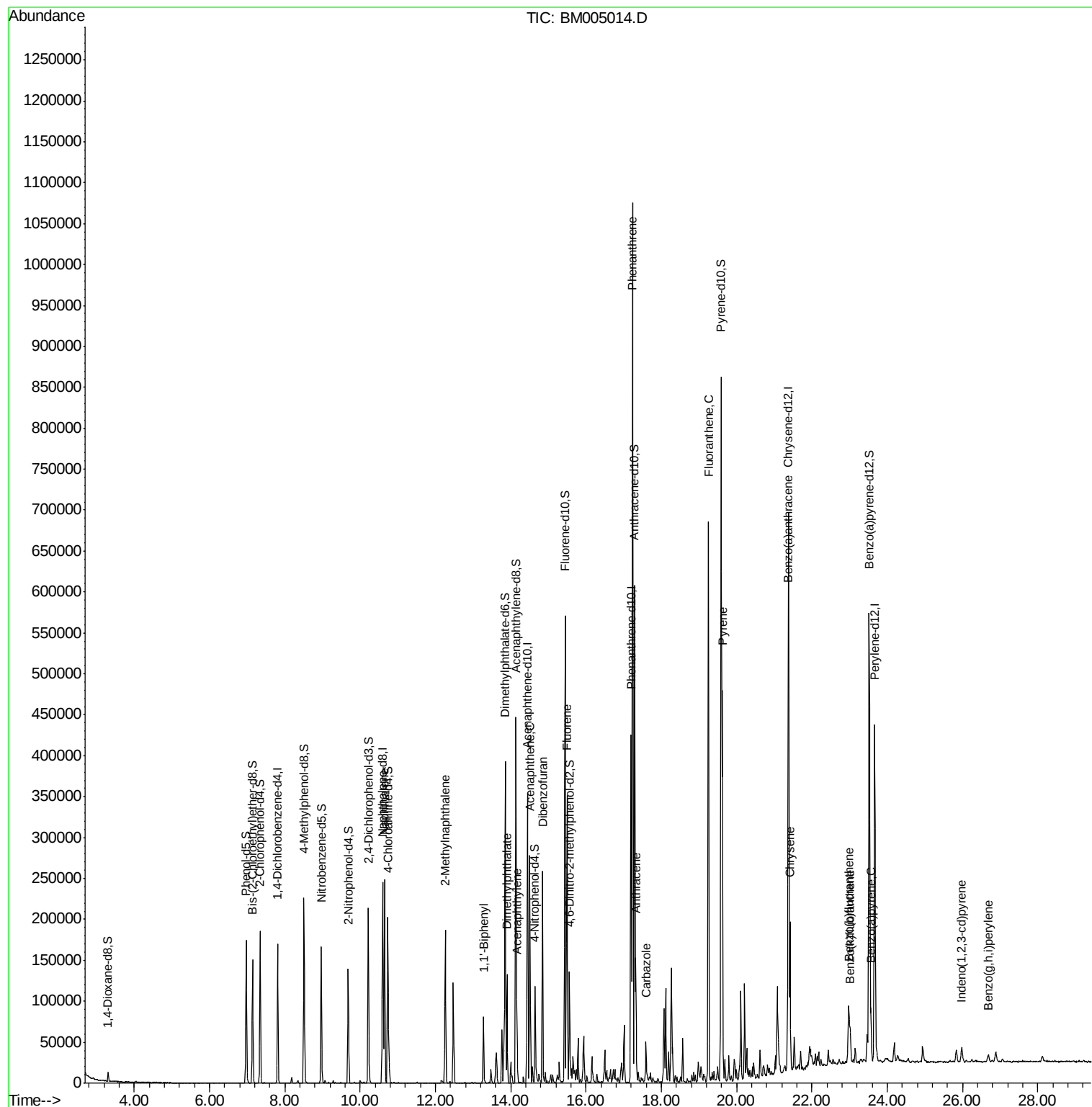
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042016\
Data File : BM005014.D
Acq On : 21 Apr 2016 05:57
Operator : UM/SJ
Sample : H2567-28
Misc :
ALS Vial : 29 Sample Multiplier: 1

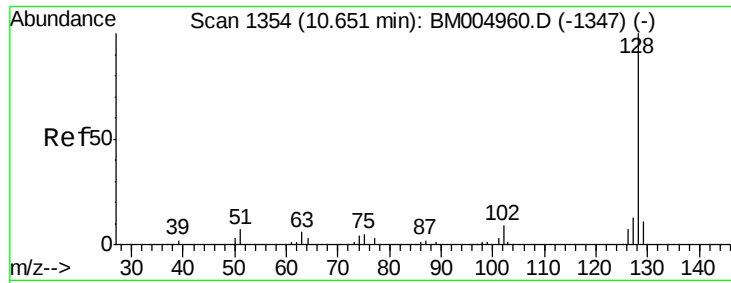
Instrument :
BNA_M
ClientSampleId :
BC7J3

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Quant Time: Apr 21 11:22:12 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041416.M
Quant Title : SVOA CALIBRATION
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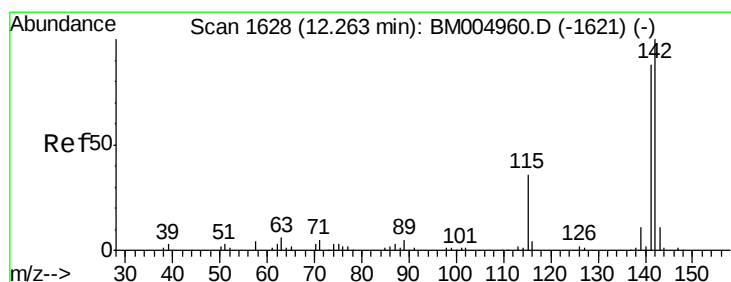
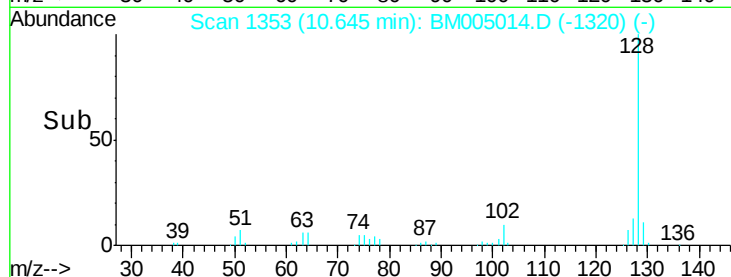
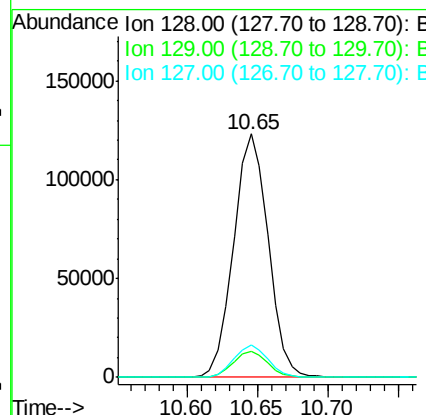
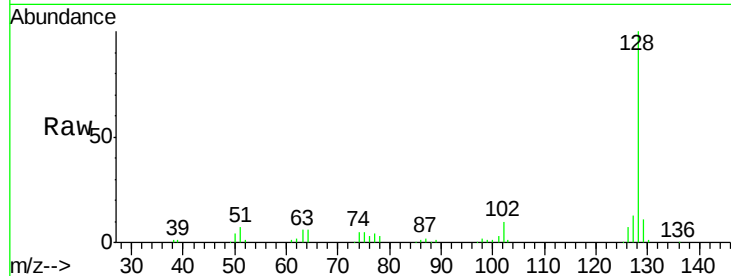
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Naphthalene
Concen: 22.41 ng/ul
RT: 10.65 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Instrument :
BNA_M
ClientSampleId :
BC7J3

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	210553		
129	11.0	8.7	13.1	
127	13.1	10.6	15.8	

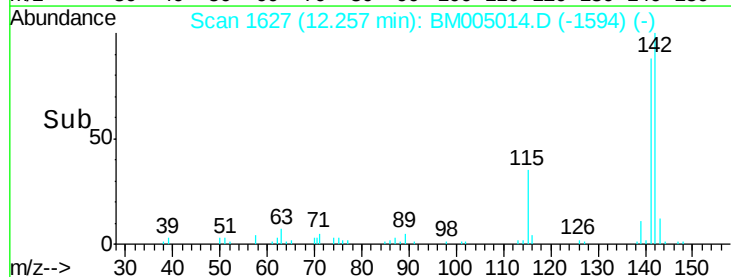
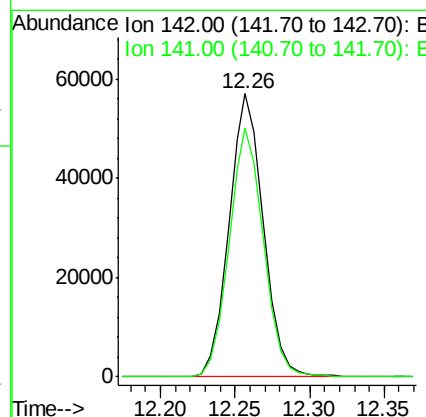
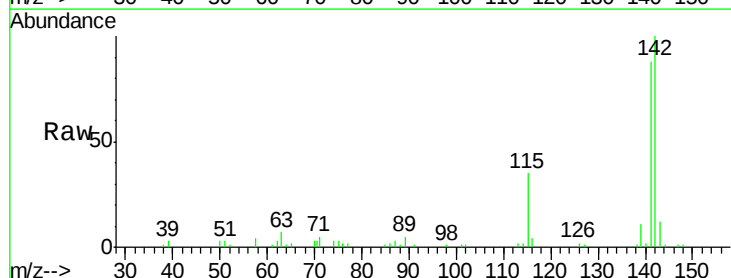
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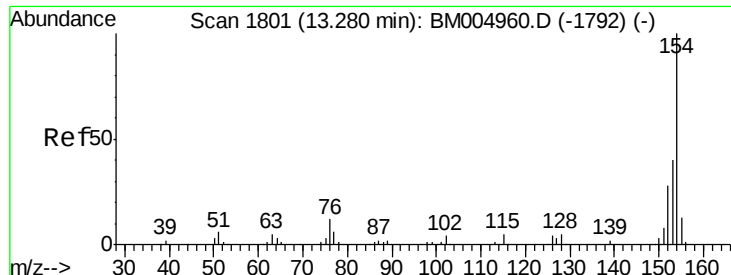
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#34
2-Methylnaphthalene
Concen: 13.40 ng/ul
RT: 12.26 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

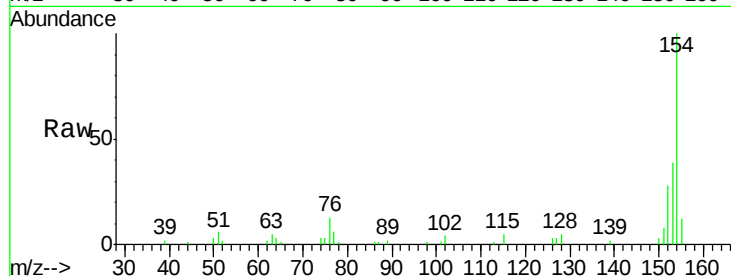
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	91725		
141	87.8	70.3	105.5	





#40
 1,1'-Biphenyl
 Concen: 5.23 ng/ul
 RT: 13.27 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BM005014.D
 Acq: 21 Apr 2016 05:57

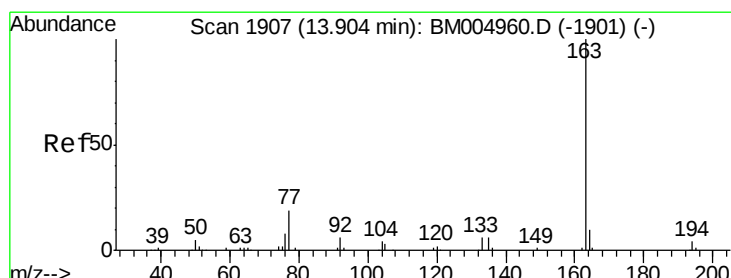
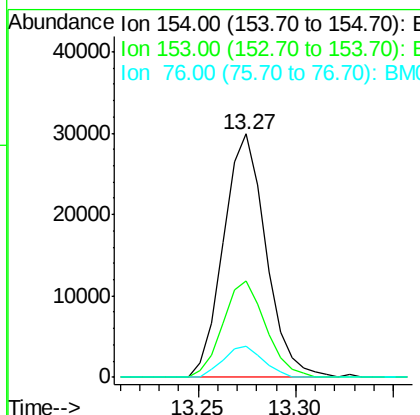
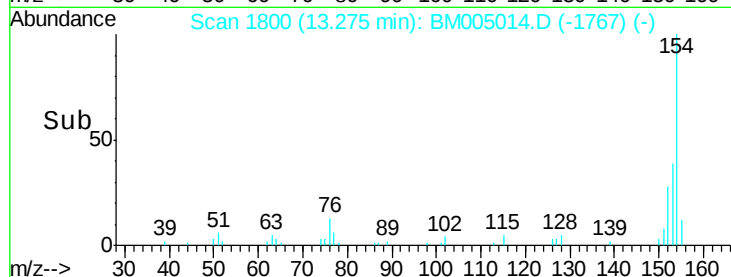
Instrument :
 BNA_M
 ClientSampleId :
 BC7J3



Tgt Ion:	154	Resp:	45265
Ion Ratio	Lower	Upper	
154	100		
153	39.5	31.5	47.3
76	12.7	10.1	15.1

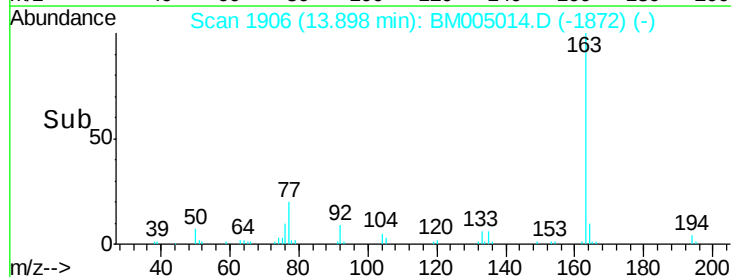
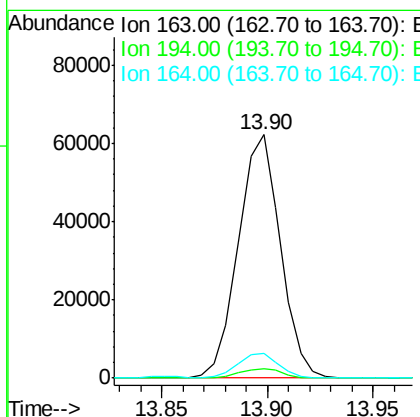
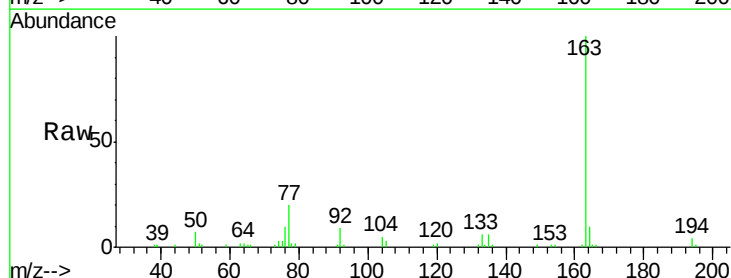
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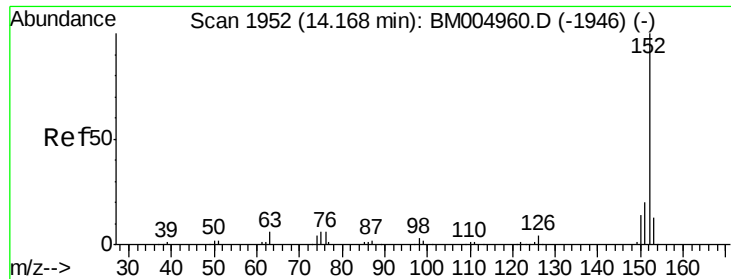
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#44
 Dimethylphthalate
 Concen: 10.48 ng/ul
 RT: 13.90 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: BM005014.D
 Acq: 21 Apr 2016 05:57

Tgt Ion:	163	Resp:	85669
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.0	8.2	12.2





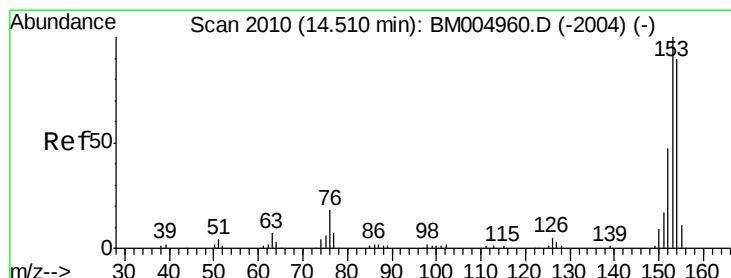
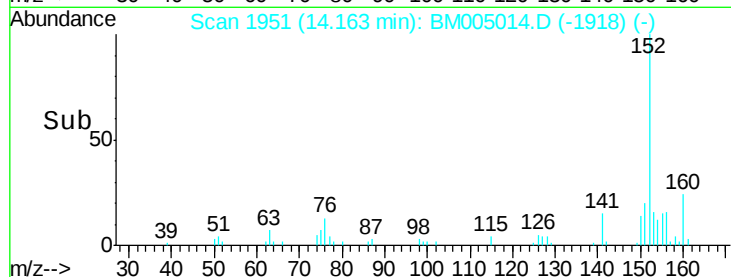
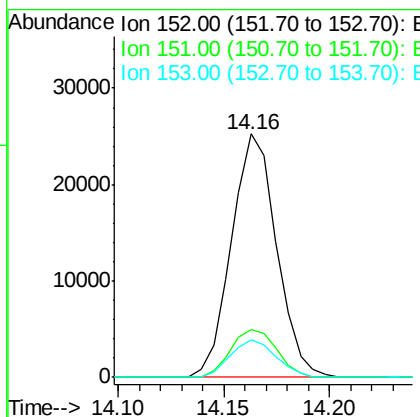
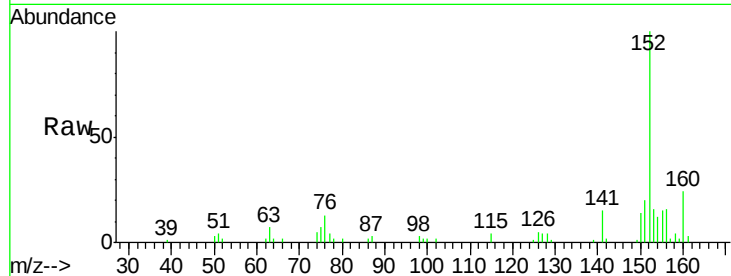
#47
Acenaphthylene
Concen: 3.50 ng/ul
RT: 14.16 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Instrument :
BNA_M
ClientSampleId :
BC7J3

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	37412		
151	19.7	15.8	23.8	
153	15.5	10.3	15.5#	

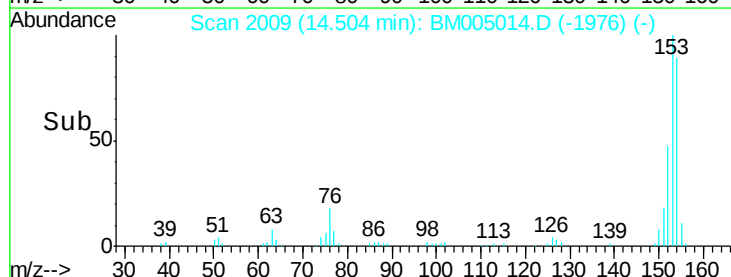
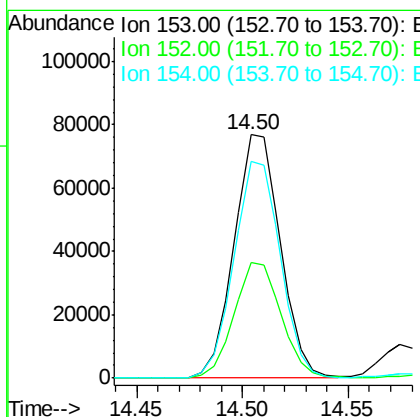
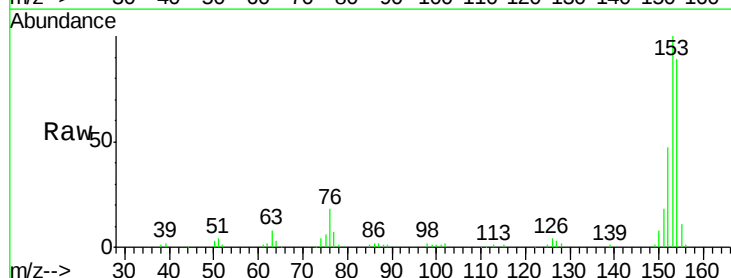
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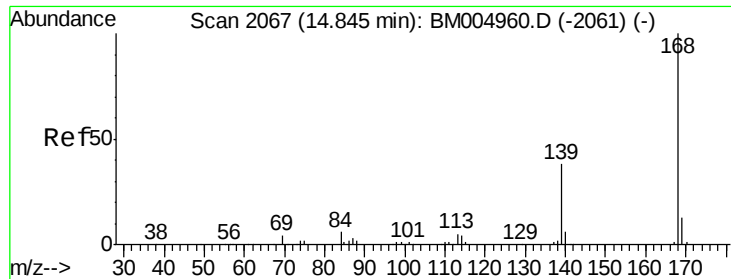
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#49
Acenaphthene
Concen: 16.79 ng/ul
RT: 14.50 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	116921		
152	47.4	37.7	56.5	
154	89.2	71.4	107.2	





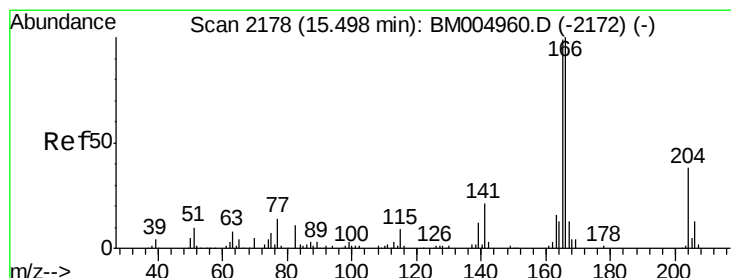
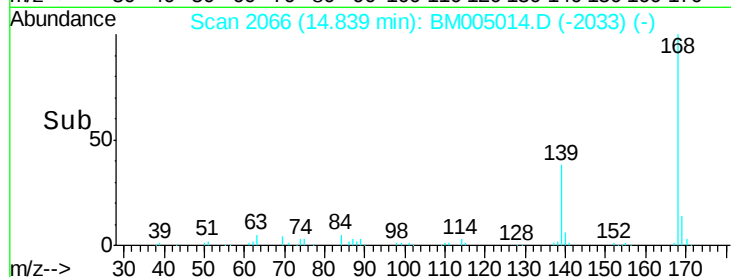
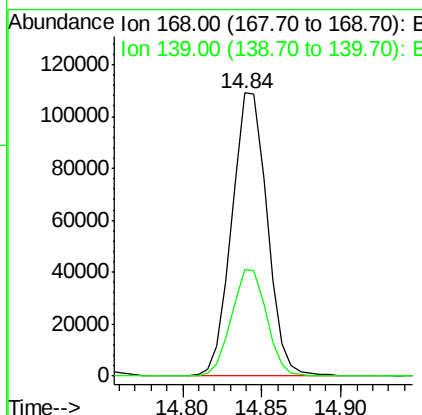
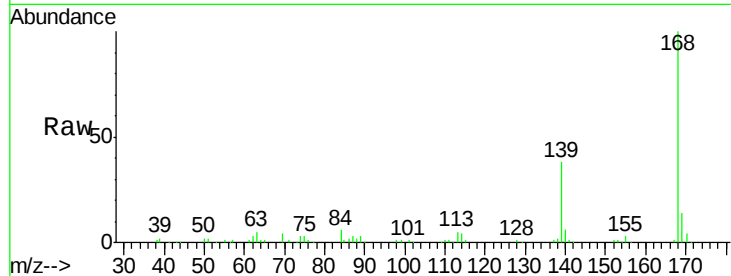
#53
Dibenzenofuran
Concen: 16.74 ng/ul
RT: 14.84 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Instrument :
BNA_M
ClientSampleId :
BC7J3

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	168729		
139	37.7	29.9	44.9	

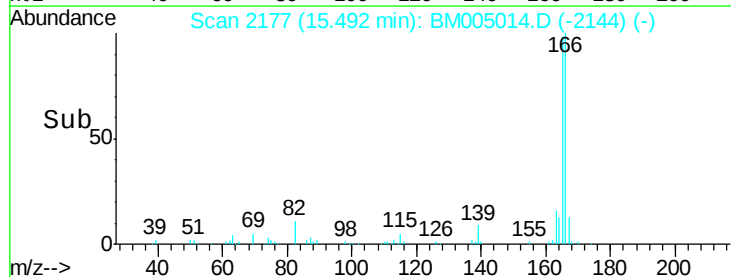
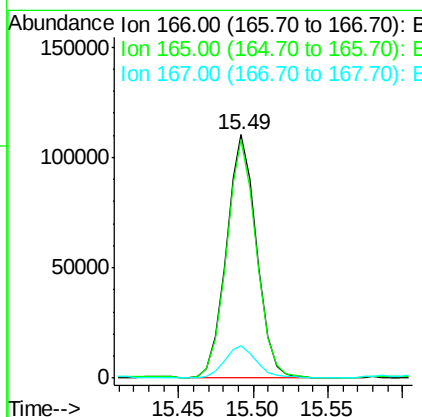
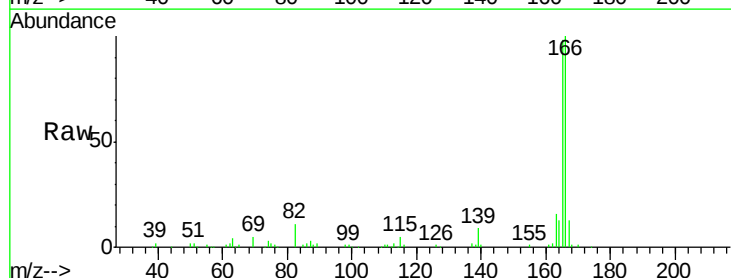
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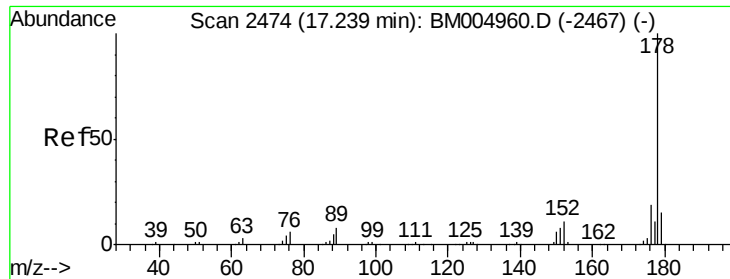
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#58
Fluorene
Concen: 20.17 ng/ul
RT: 15.49 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	156368		
165	98.0	77.7	116.5	
167	13.3	10.9	16.3	





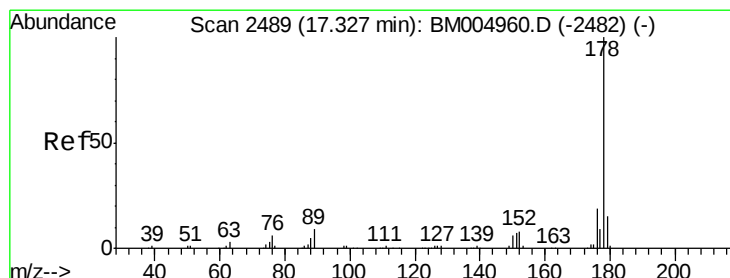
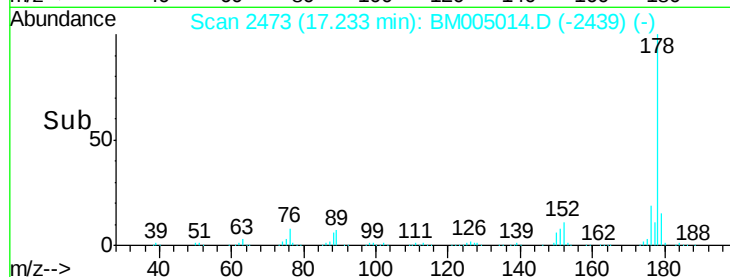
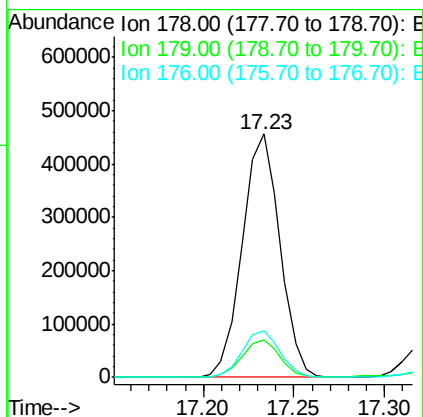
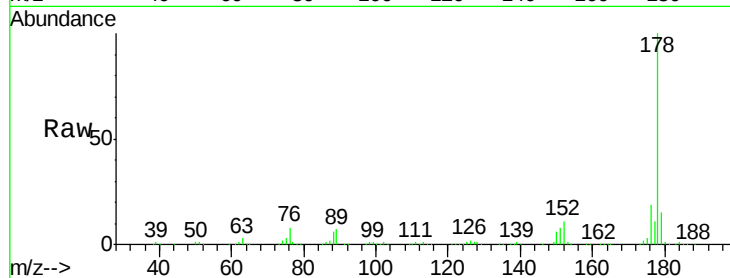
#69
Phenanthrene
Concen: 52.98 ng/ul
RT: 17.23 min Scan# 2473
Delta R.T. 0.00 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Instrument :
BNA_M
ClientSampleId :
BC7J3

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	19.2	15.2	22.8

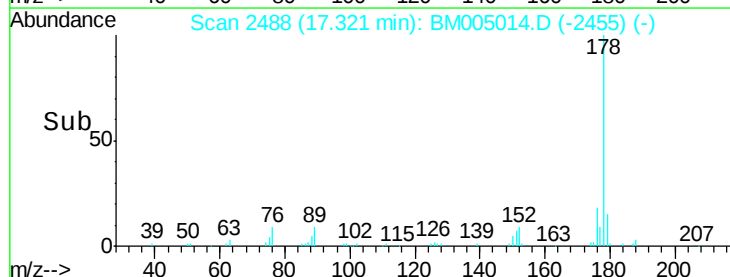
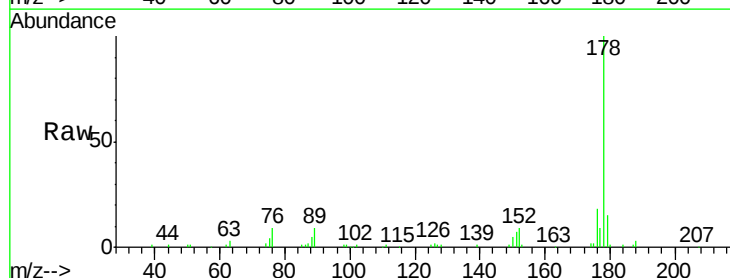
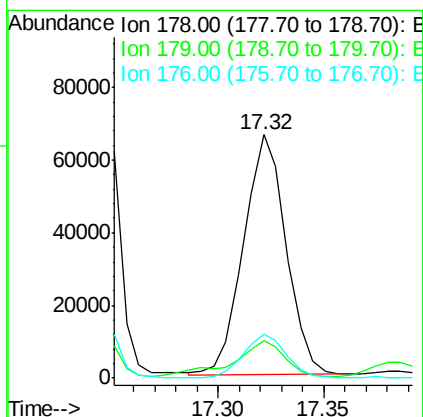
Manual Integrations
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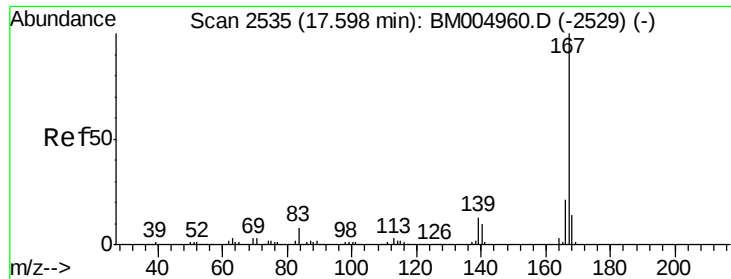
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#71
Anthracene
Concen: 7.36 ng/ul
RT: 17.32 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.1	18.1
176	17.8	14.6	22.0





#72

Carbazole

Concen: 2.93 ng/ul

RT: 17.59 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BM005014.D

Acq: 21 Apr 2016 05:57

Instrument :

BNA_M

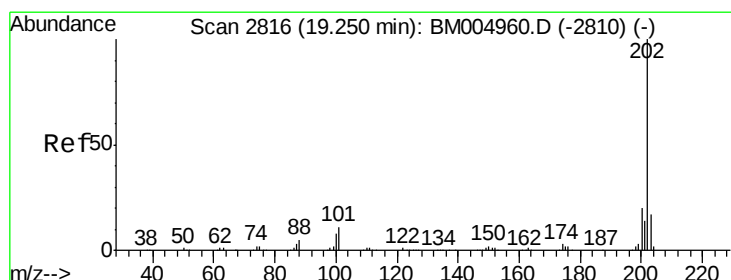
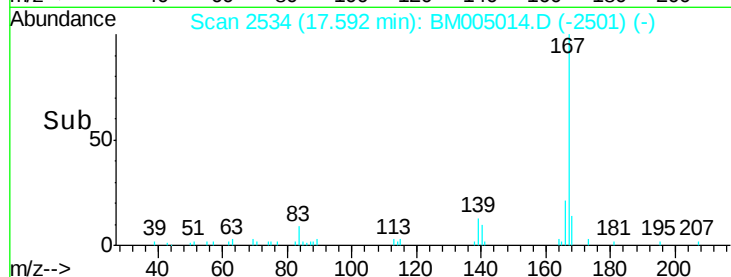
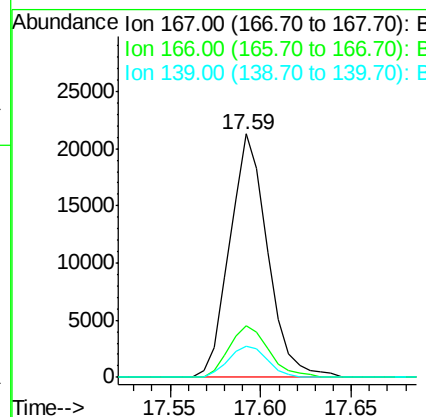
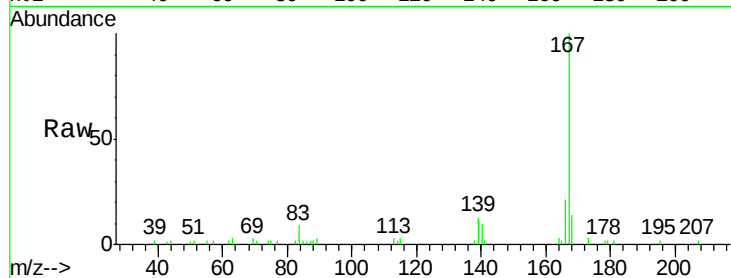
ClientSampled :

BC7J3

Tgt Ion:	167	Resp:	30908
Ion Ratio	Lower	Upper	
167	100		
166	21.4	16.6	25.0
139	12.7	10.2	15.4

Manual Integrations
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#74

Fluoranthene

Concen: 33.65 ng/ul

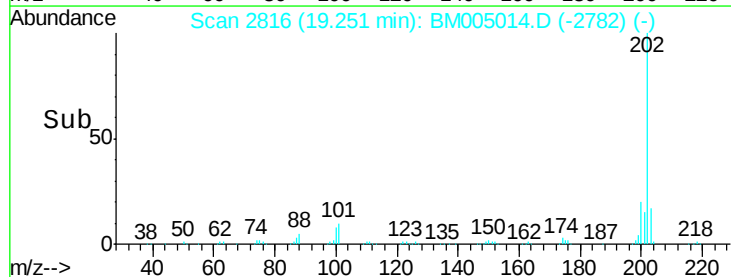
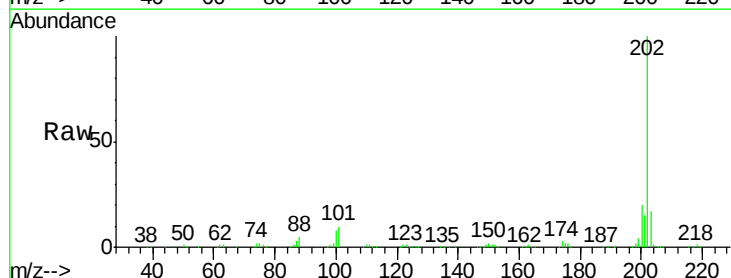
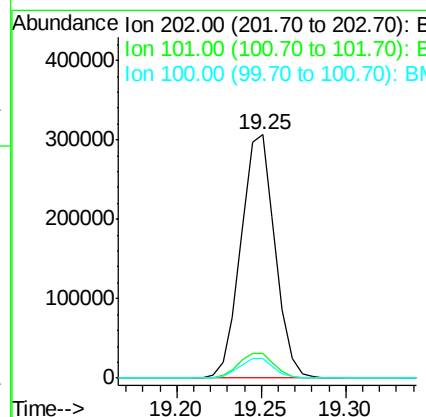
RT: 19.25 min Scan# 2816

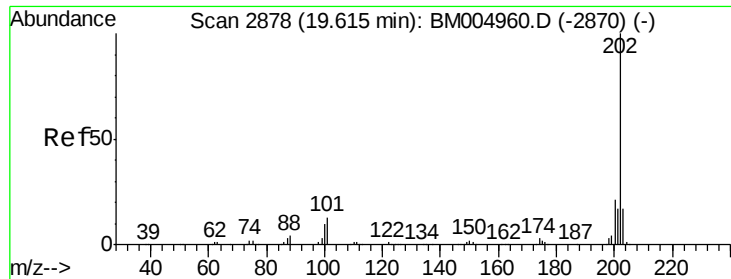
Delta R.T. 0.00 min

Lab File: BM005014.D

Acq: 21 Apr 2016 05:57

Tgt Ion:	202	Resp:	429502
Ion Ratio	Lower	Upper	
202	100		
101	10.1	9.0	13.4
100	8.0	6.6	10.0





#77

Pyrene

Concen: 19.25 ng/ul

RT: 19.62 min Scan# 2878

Delta R.T. 0.00 min

Lab File: BM005014.D

Acq: 21 Apr 2016 05:57

Instrument :

BNA_M

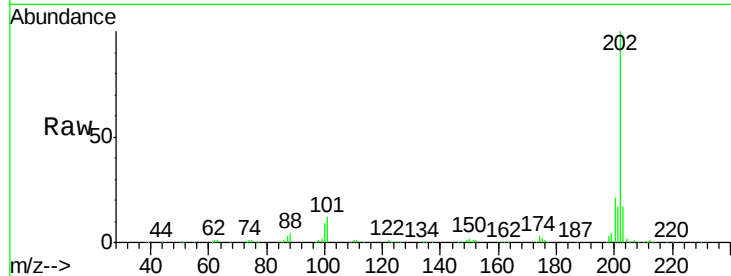
ClientSampleId :

BC7J3

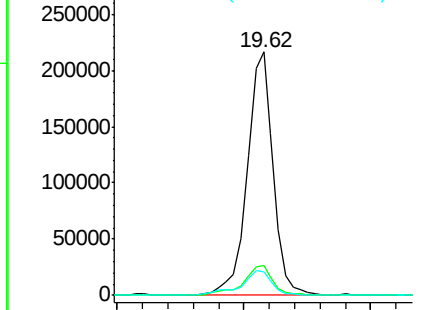
Tgt	Ion	202	Resp	308479
Ion	Ratio	Lower	Upper	
202	100			
101	12.2	10.5	15.7	
100	9.4	8.2	12.2	

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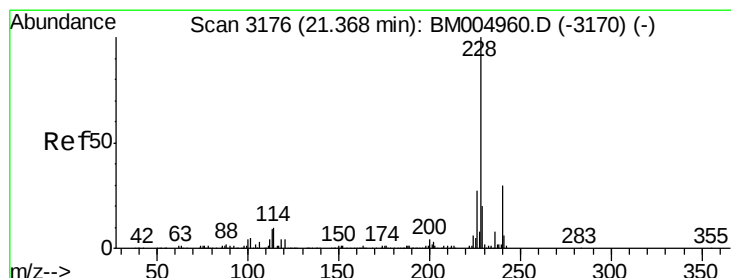
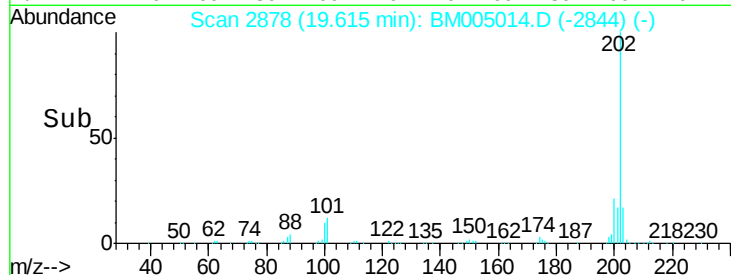
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time--> 19.50 19.60 19.70



#80

Benzo(a)anthracene

Concen: 7.54 ng/ul

RT: 21.36 min Scan# 3175

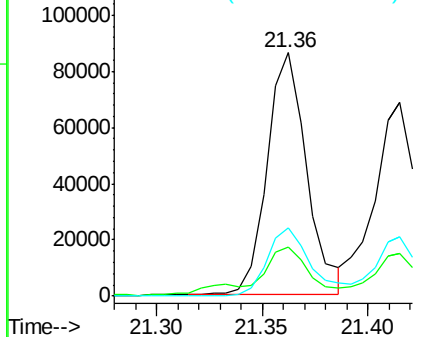
Delta R.T. 0.00 min

Lab File: BM005014.D

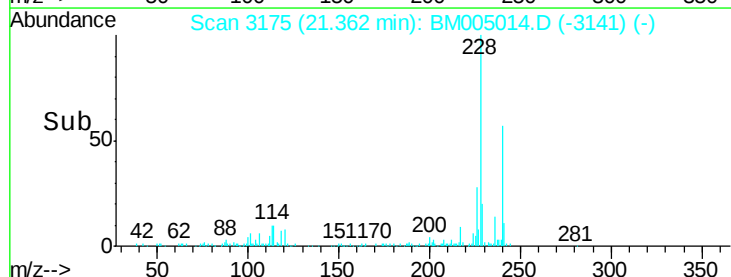
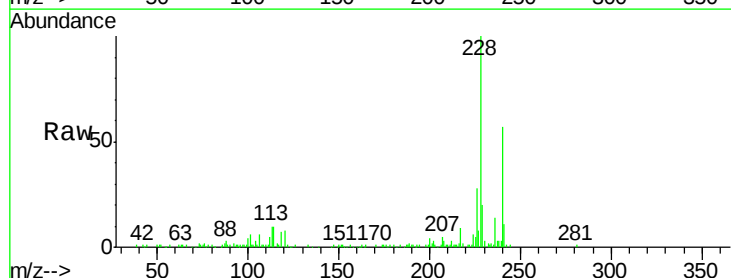
Acq: 21 Apr 2016 05:57

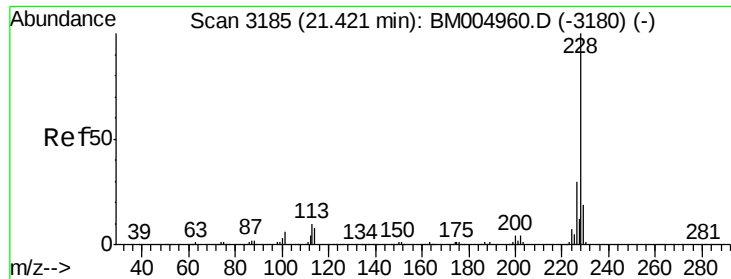
Tgt	Ion	228	Resp	112662
Ion	Ratio	Lower	Upper	
228	100			
229	20.3	15.8	23.6	
226	28.3	21.5	32.3	

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--> 21.30 21.35 21.40





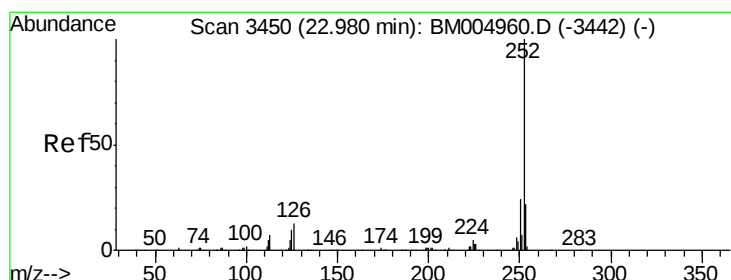
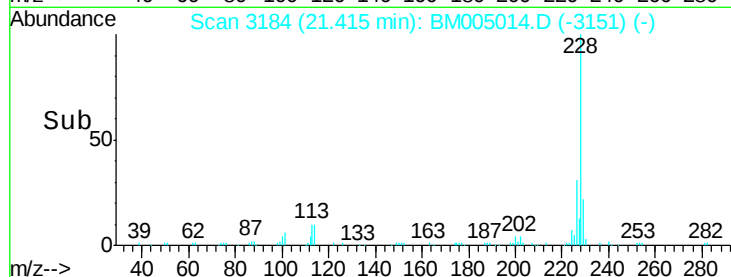
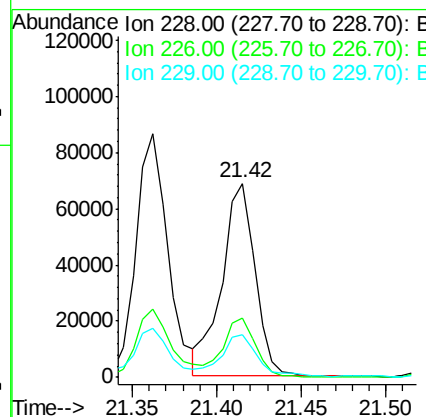
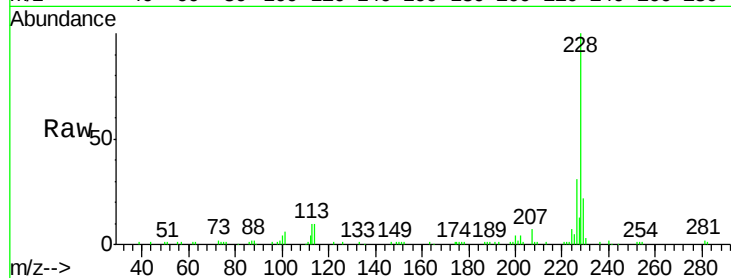
#82
Chrysene
Concen: 6.68 ng/ul
RT: 21.42 min Scan# 3184
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Instrument :
BNA_M
ClientSampleId :
BC7J3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	22.2	15.5	23.3

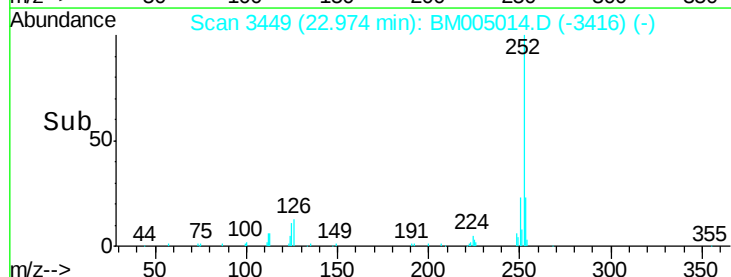
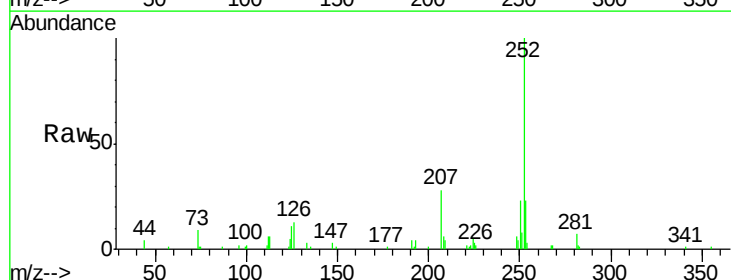
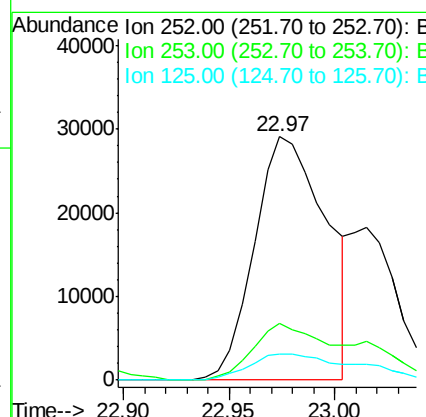
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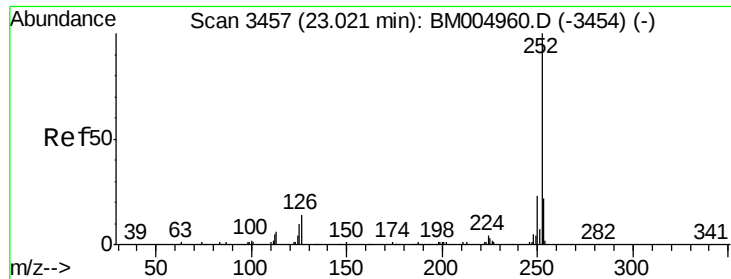
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#85
Benzo(b)fluoranthene
Concen: 4.64 ng/ul
RT: 22.97 min Scan# 3449
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	10.6	7.8	11.6





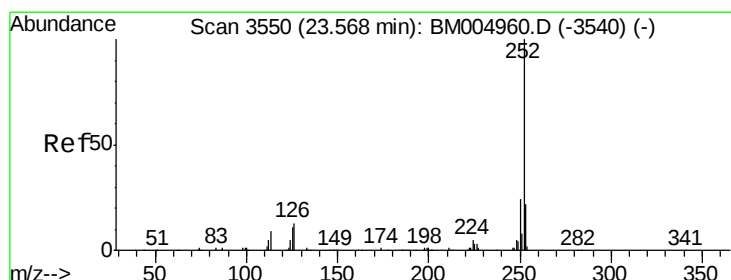
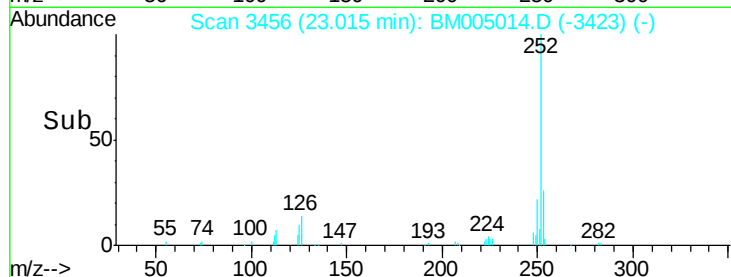
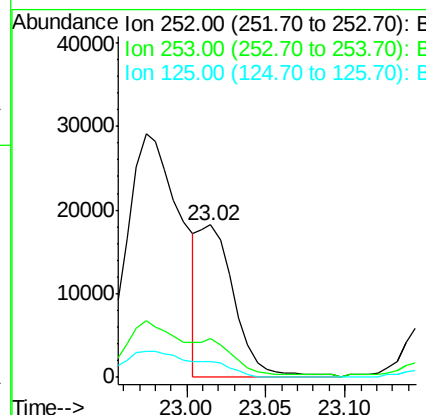
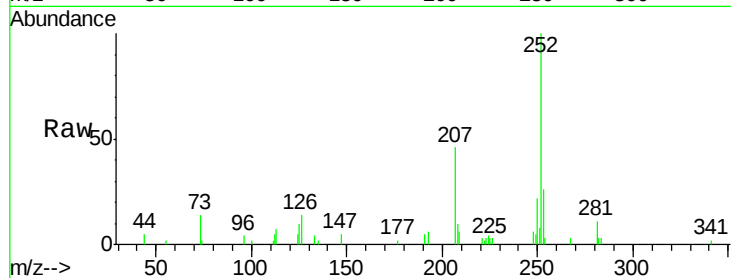
#86
Benzo(k)fluoranthene
Concen: 2.01 ng/ul m
RT: 23.02 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Instrument :
BNA_M
ClientSampled :
BC7J3

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	28788		
253	25.6	17.5	26.3	
125	10.3	7.9	11.9	

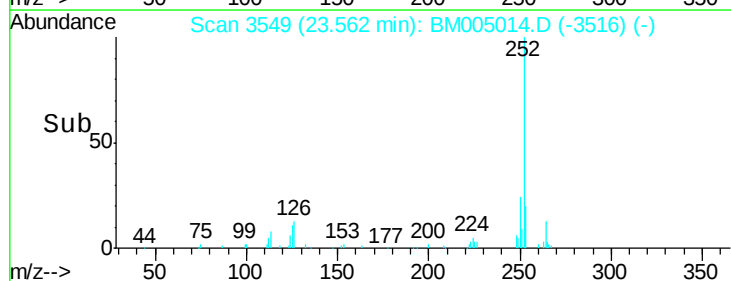
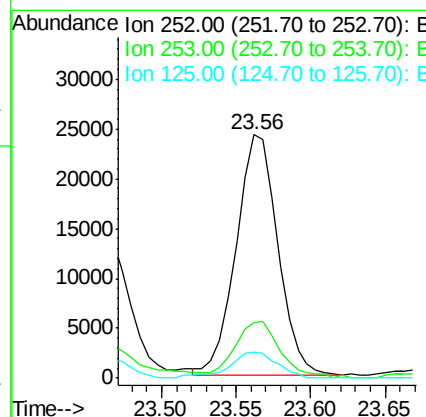
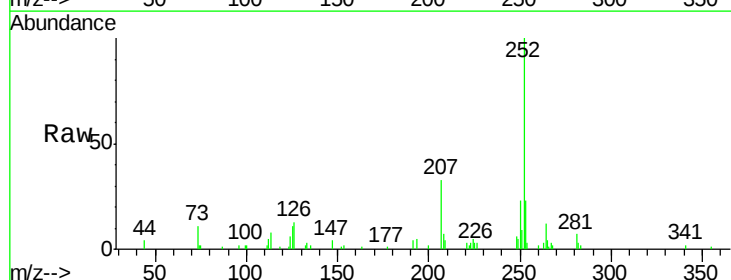
Manual Integrations
APPROVED

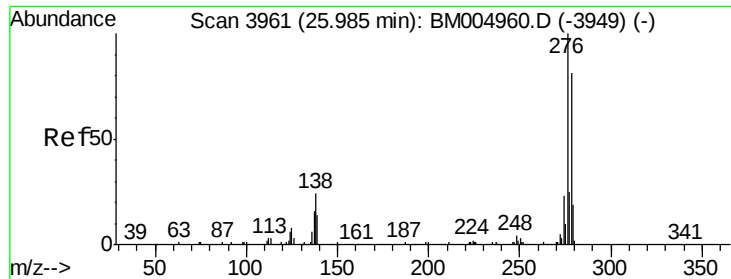
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#88
Benzo(a)pyrene
Concen: 3.29 ng/ul
RT: 23.56 min Scan# 3549
Delta R.T. -0.01 min
Lab File: BM005014.D
Acq: 21 Apr 2016 05:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	46690		
253	22.8	17.5	26.3	
125	10.9	8.3	12.5	





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.12 ng/ul

RT: 25.97 min Scan# 3958

Delta R.T. -0.02 min

Lab File: BM005014.D

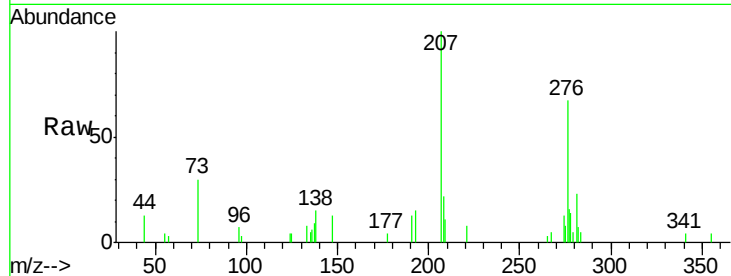
Acq: 21 Apr 2016 05:57

Instrument :

BNA_M

ClientSampleId :

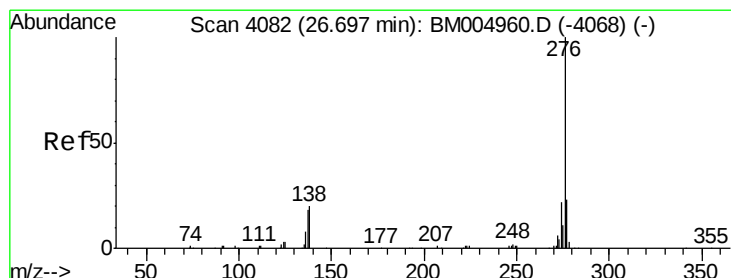
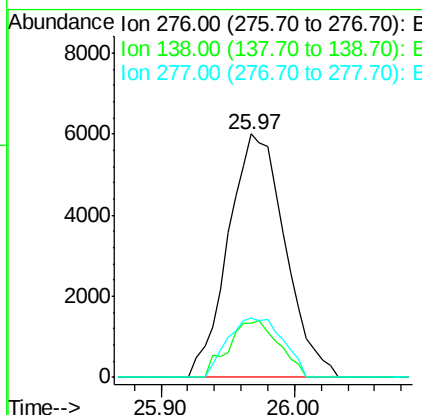
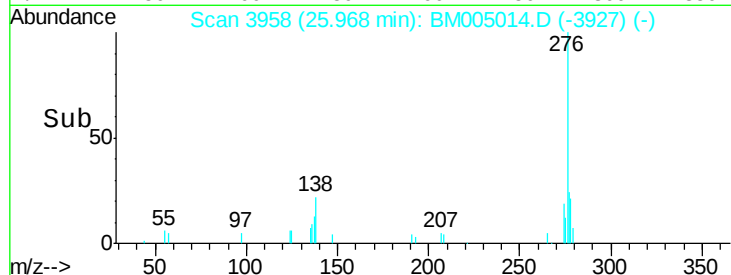
BC7J3



Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.2	30.4
277	24.4	20.4	30.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 1.03 ng/ul

RT: 26.67 min Scan# 4078

Delta R.T. -0.02 min

Lab File: BM005014.D

Acq: 21 Apr 2016 05:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	17.4	26.2
277	22.9	19.0	28.4

