

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM043016\
 Data File : BM005163.D
 Acq On : 30 Apr 2016 04:10
 Operator : UM/SJ
 Sample : H2729-02 20X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3D0

Manual Integrations
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 5/2/2016 8:51:54 AM

Quant Time: May 01 03:21:17 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 30 03:07:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	43617	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	207012	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	125352	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	281909	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	228428	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	209761	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	2717	0.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	1691	0.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	2212	0.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	2116	0.69	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	590	0.41	ng/ul	0.00
22) 2-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	10.20	165	2080	0.68	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	2921m	0.82	ng/ul	0.01
43) Dimethylphthalate-d6	13.83	166	9386	0.95	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	11269	0.96	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.42	176	10179	1.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.27	188	14698	1.16	ng/ul	0.00
76) Pyrene-d10	19.57	212	14341	1.38	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	11220	1.19	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.99	94	5061	1.35	ng/ul	99
16) 4-Methylphenol	8.56	108	5986	1.83	ng/ul	89
28) Naphthalene	10.62	128	350618	33.58	ng/ul	100
34) 2-Methylnaphthalene	12.24	142	82339	10.65	ng/ul	98
40) 1,1'-Biphenyl	13.26	154	30954	3.12	ng/ul	98
47) Acenaphthylene	14.14	152	188813	15.14	ng/ul	99
49) Acenaphthene	14.49	153	68098	8.30	ng/ul	99
53) Dibenzofuran	14.83	168	203975	16.85	ng/ul	99
58) Fluorene	15.47	166	200805	21.37	ng/ul	100
69) Phenanthrene	17.23	178	1632400	108.81	ng/ul	98
71) Anthracene	17.31	178	517183	34.19	ng/ul	99
72) Carbazole	17.58	167	186155	14.35	ng/ul	98
74) Fluoranthene	19.24	202	1904916	115.37	ng/ul	96
77) Pyrene	19.61	202	1731773	131.24	ng/ul	97
80) Benzo(a)anthracene	21.35	228	818569	62.61	ng/ul	97
82) Chrysene	21.40	228	729692	58.32	ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	779933	61.73	ng/ul	98
86) Benzo(k)fluoranthene	23.00	252	261123m	21.25	ng/ul	
88) Benzo(a)pyrene	23.55	252	599991	50.86	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.95	276	345743	30.71	ng/ul	96
90) Dibenzo(a,h)anthracene	25.95	278	80329	8.54	ng/ul#	81
91) Benzo(g,h,i)perylene	26.66	276	301329	32.72	ng/ul	99

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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

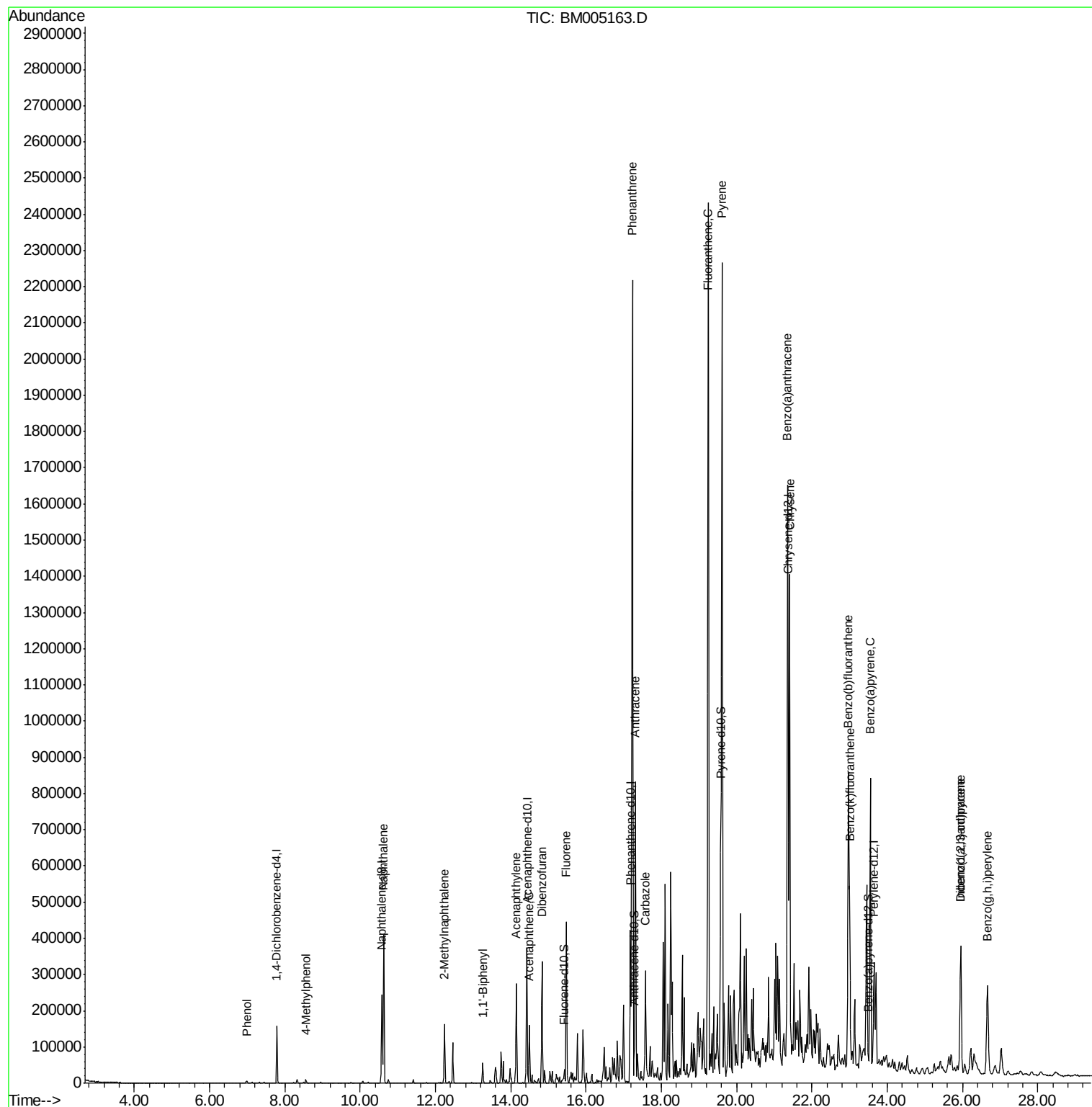
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM043016\
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Sample : H2729-02 20X
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ALS Vial : 22 Sample Multiplier: 1

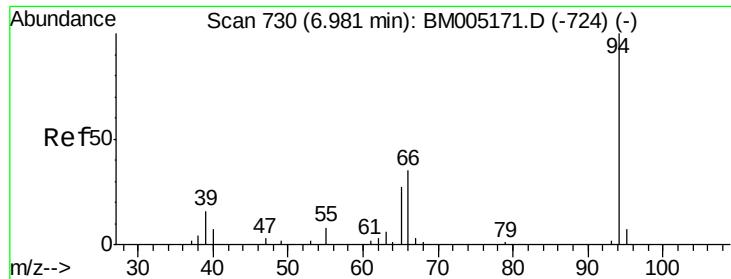
Instrument :
BNA_M
ClientSampleId :
BD3D0

Manual Integrations
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#6

Phenol

Concen: 1.35 ng/ul

RT: 6.99 min Scan# 731

Delta R.T. 0.00 min

Lab File: BM005163.D

Acq: 30 Apr 2016 04:10

Instrument :

BNA_M

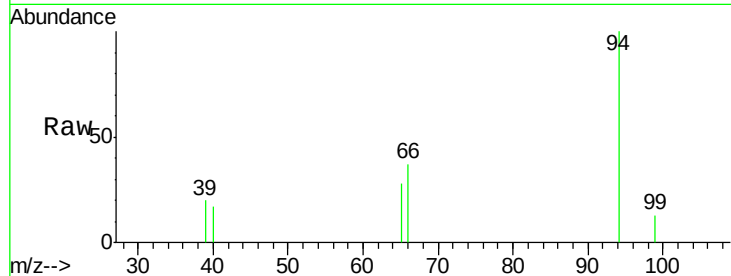
ClientSampleId :

BD3D0

Tgt Ion:	94	Resp:	5061
Ion	Ratio	Lower	Upper
94	100		
65	28.2	21.6	32.4
66	37.1	29.6	44.4

Manual Integrations
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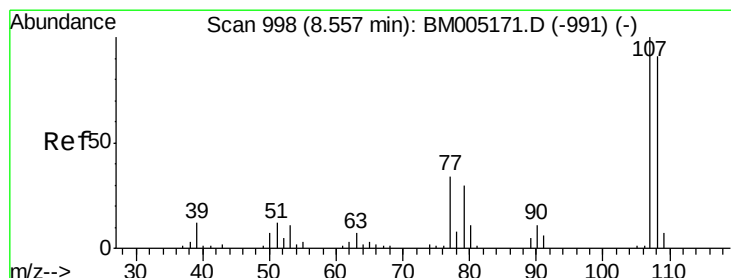
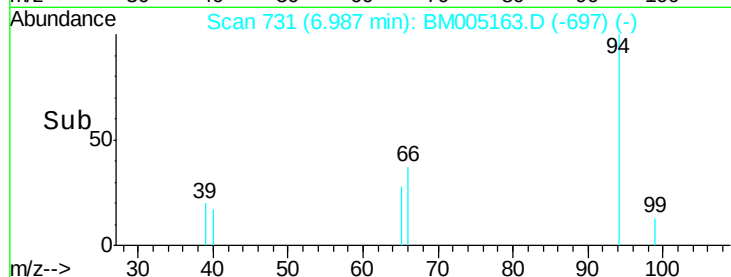
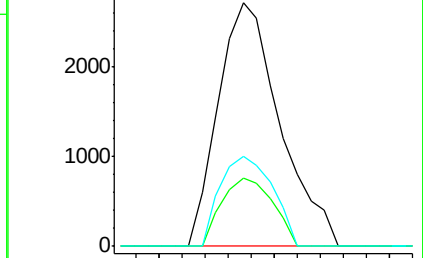
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Abundance Ion 94.00 (93.70 to 94.70): BM005171.D (-724) (-)

Ion 65.00 (64.70 to 65.70): BM005171.D (-724) (-)

Ion 66.00 (65.70 to 66.70): BM005171.D (-724) (-)



#16

4-Methylphenol

Concen: 1.83 ng/ul

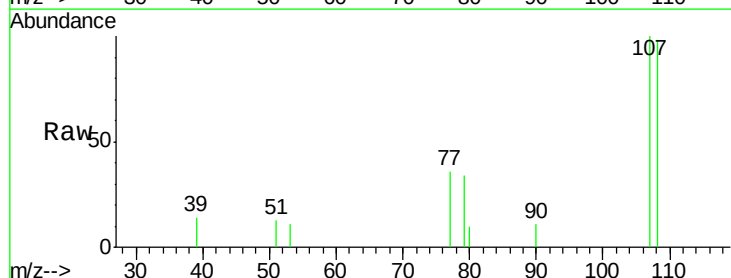
RT: 8.56 min Scan# 998

Delta R.T. 0.00 min

Lab File: BM005163.D

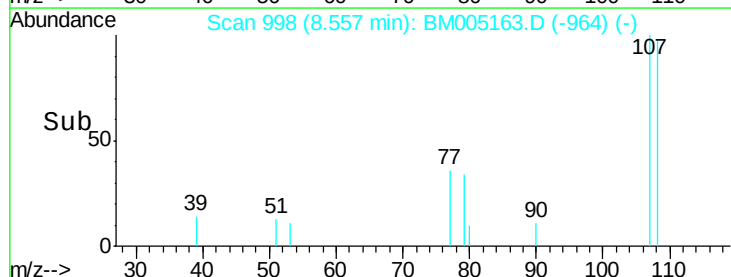
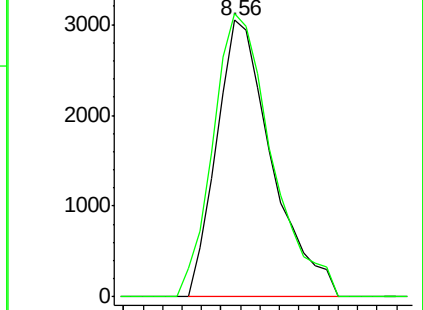
Acq: 30 Apr 2016 04:10

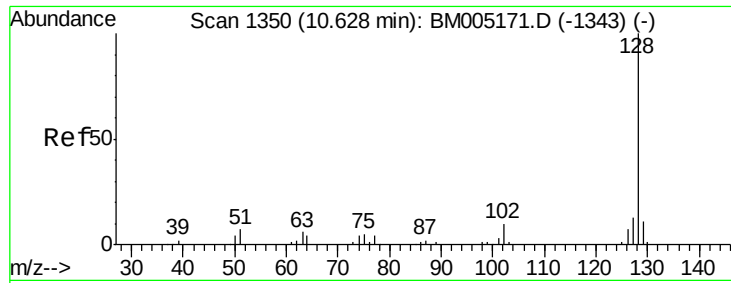
Tgt Ion:	108	Resp:	5986
Ion	Ratio	Lower	Upper
108	100		
107	102.4	91.0	136.6



Abundance Ion 108.00 (107.70 to 108.70): BM005171.D (-991) (-)

Ion 107.00 (106.70 to 107.70): BM005171.D (-991) (-)





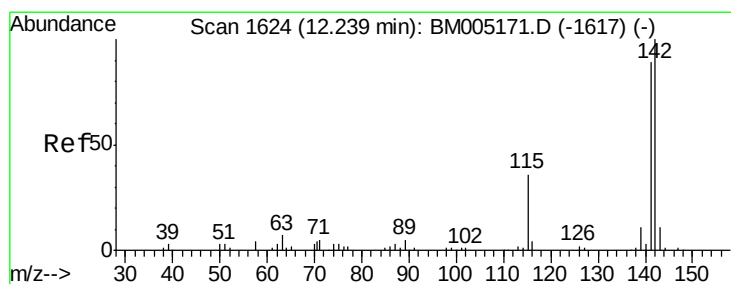
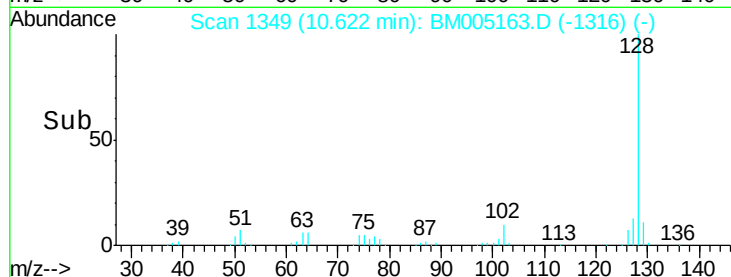
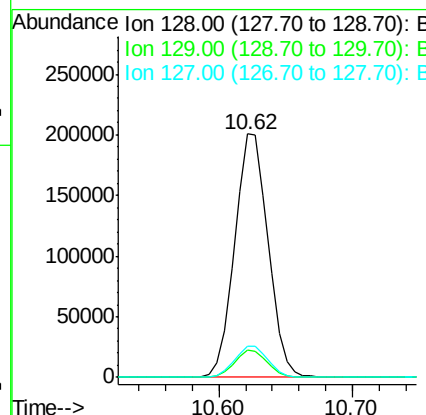
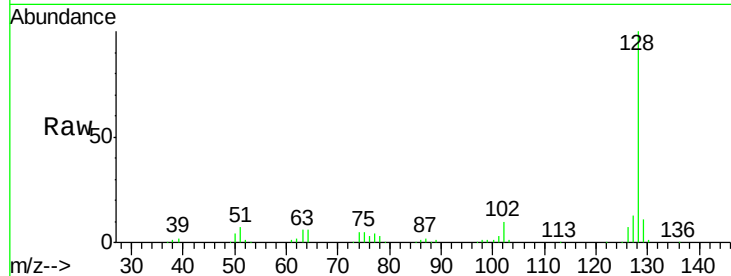
#28
Naphthalene
Concen: 33.58 ng/ul
RT: 10.62 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BM005163.D
Acq: 30 Apr 2016 04:10

Instrument :
BNA_M
ClientSampleId :
BD3D0

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	350618		
129	11.0	8.7	13.1	
127	12.9	10.6	15.8	

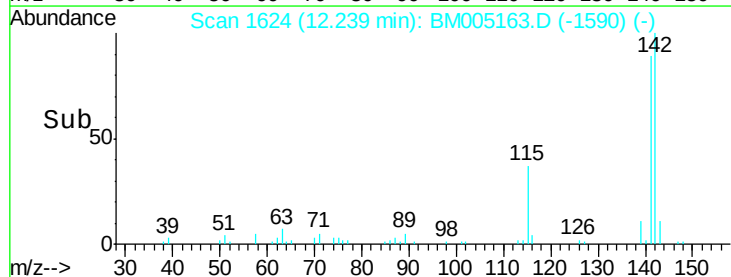
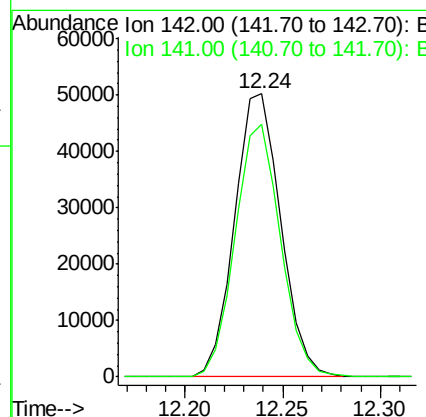
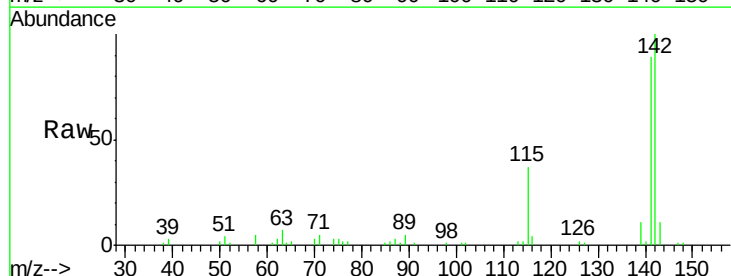
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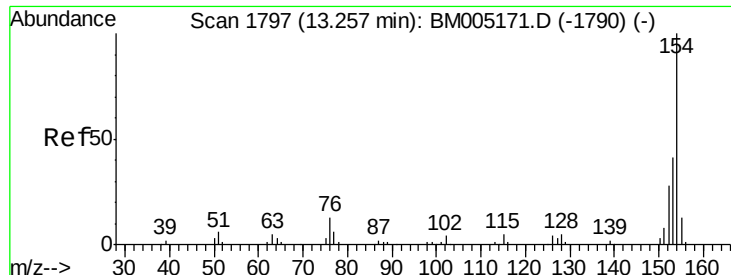
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#34
2-Methylnaphthalene
Concen: 10.65 ng/ul
RT: 12.24 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BM005163.D
Acq: 30 Apr 2016 04:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	82339		
141	89.3	70.3	105.5	





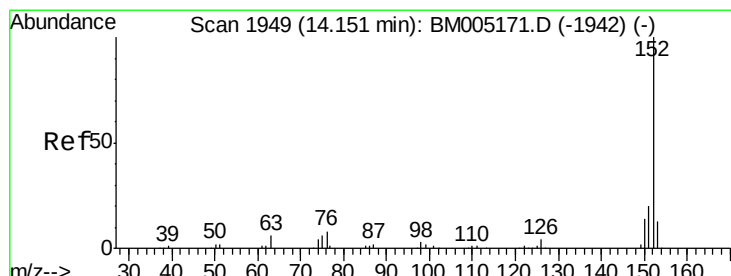
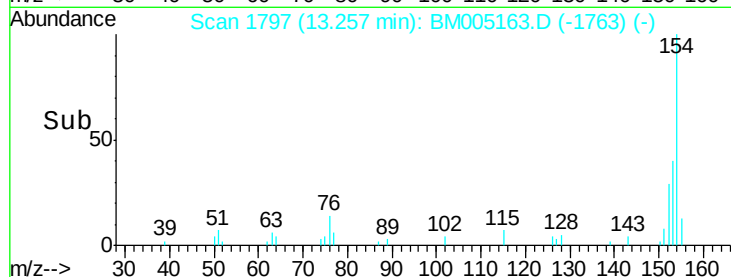
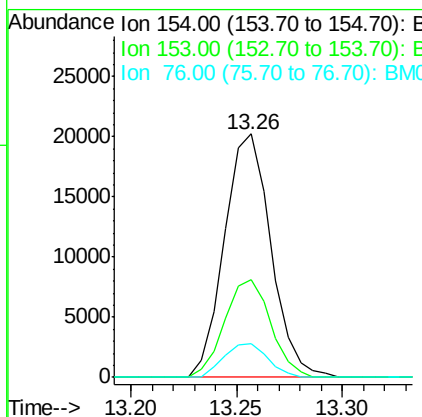
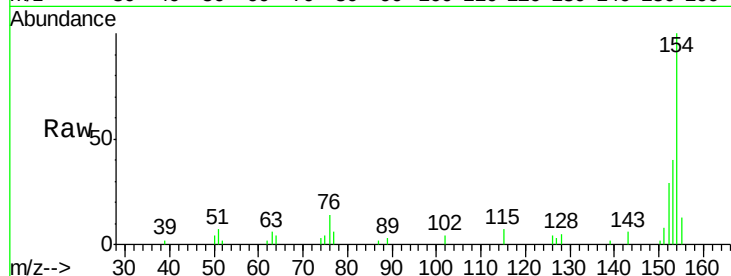
#40
 1,1'-Biphenyl
 Concen: 3.12 ng/ul
 RT: 13.26 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: BM005163.D
 Acq: 30 Apr 2016 04:10

Instrument :
 BNA_M
 ClientSampled :
 BD3D0

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	30954		
153	40.2	31.5	47.3	
76	13.9	10.1	15.1	

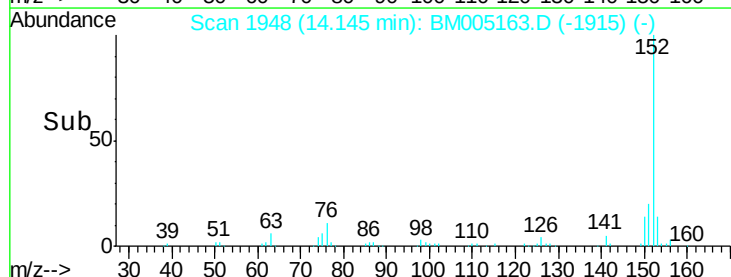
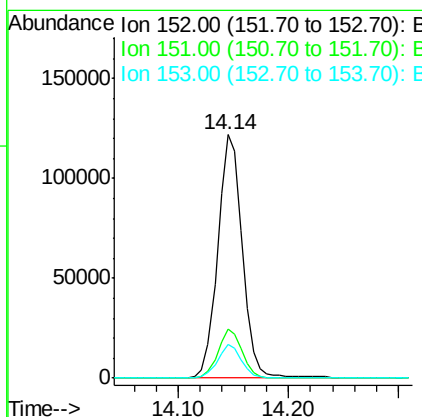
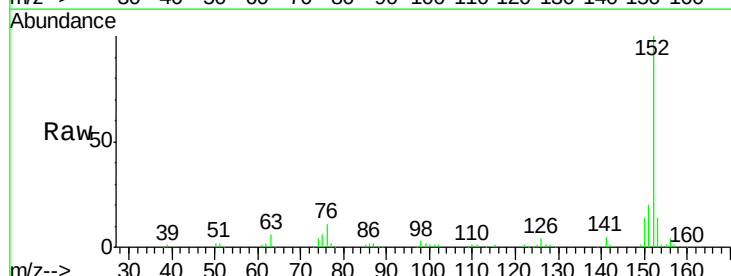
Manual Integrations
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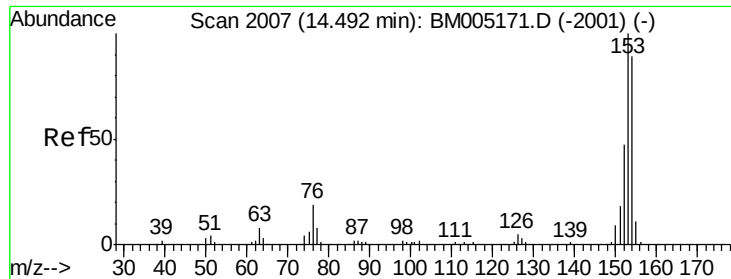
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#47
 Acenaphthylene
 Concen: 15.14 ng/ul
 RT: 14.14 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BM005163.D
 Acq: 30 Apr 2016 04:10

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	188813		
151	20.0	15.8	23.8	
153	13.8	10.3	15.5	





#49

Acenaphthene

Concen: 8.30 ng/ul

RT: 14.49 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BM005163.D

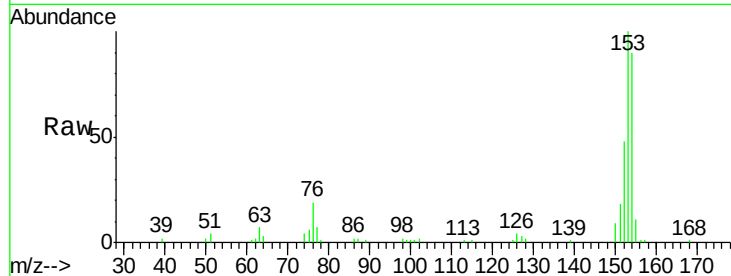
Acq: 30 Apr 2016 04:10

Instrument :

BNA_M

ClientSampleId :

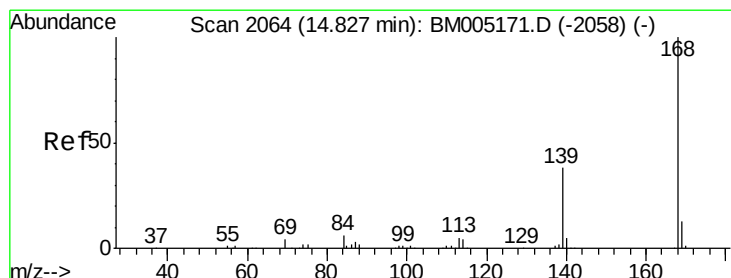
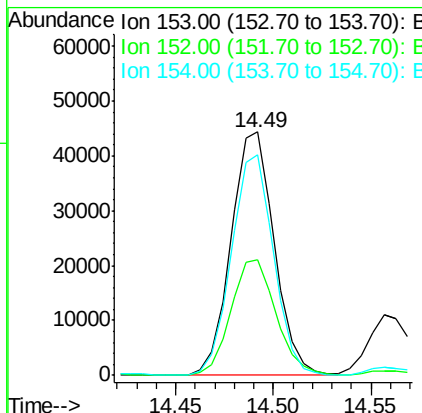
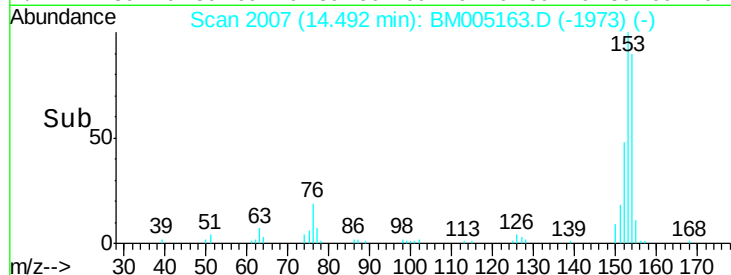
BD3D0



Tgt Ion:	153	Resp:	68098
Ion Ratio	Lower	Upper	
153	100		
152	47.6	37.7	56.5
154	90.4	71.4	107.2

Manual Integrations
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#53

Dibenzofuran

Concen: 16.85 ng/ul

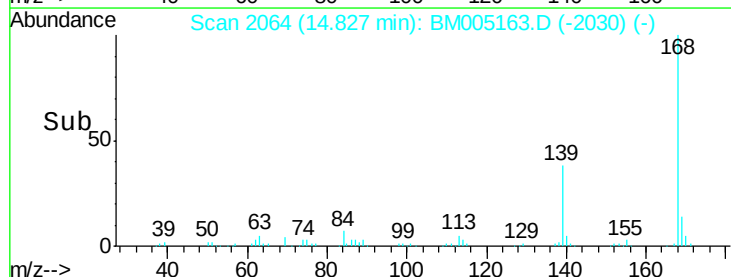
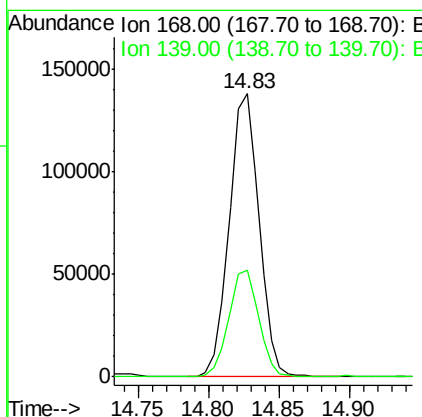
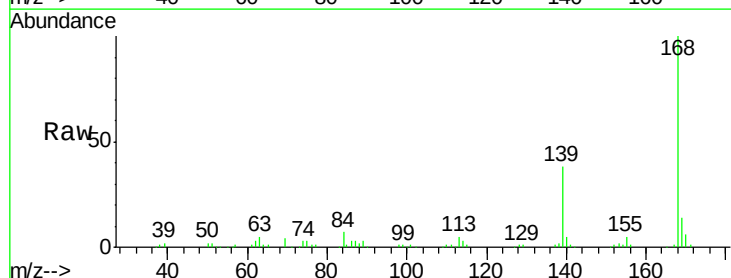
RT: 14.83 min Scan# 2064

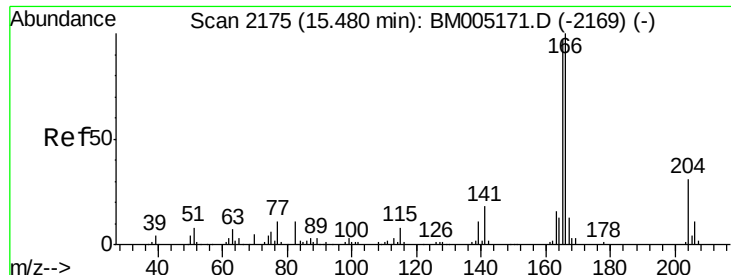
Delta R.T. 0.00 min

Lab File: BM005163.D

Acq: 30 Apr 2016 04:10

Tgt Ion:	168	Resp:	203975
Ion Ratio	Lower	Upper	
168	100		
139	37.7	29.9	44.9





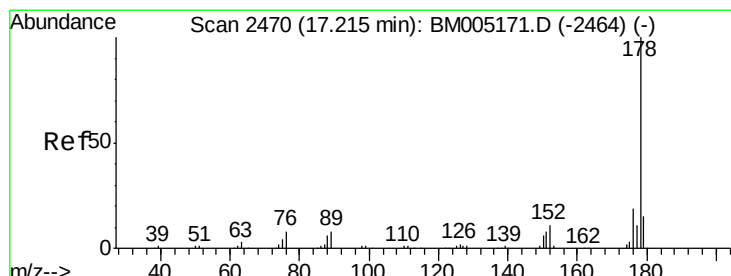
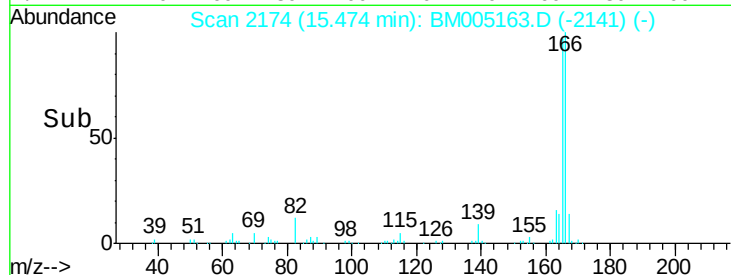
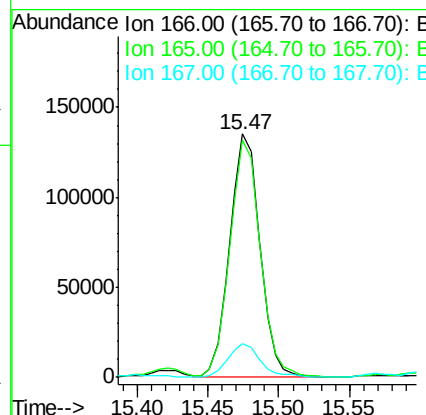
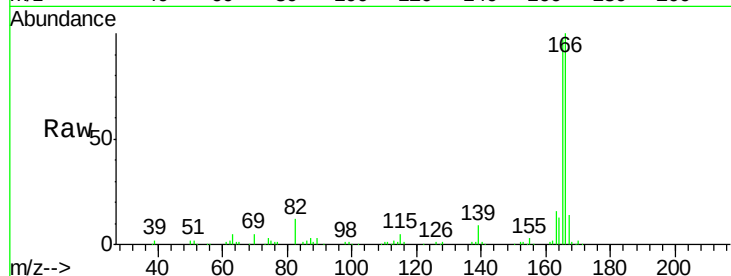
#58
 Fluorene
 Concen: 21.37 ng/ul
 RT: 15.47 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: BM005163.D
 Acq: 30 Apr 2016 04:10

Instrument :
 BNA_M
 ClientSampleId :
 BD3D0

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	200805		
165	97.5		77.7	116.5
167	13.7		10.9	16.3

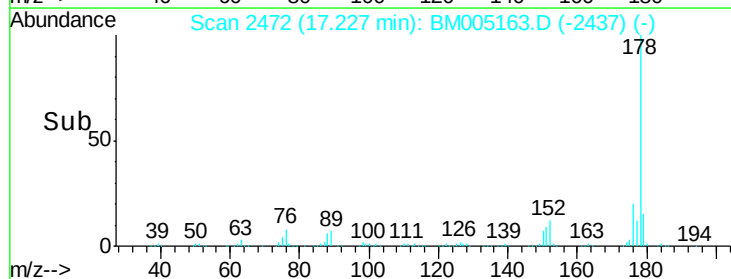
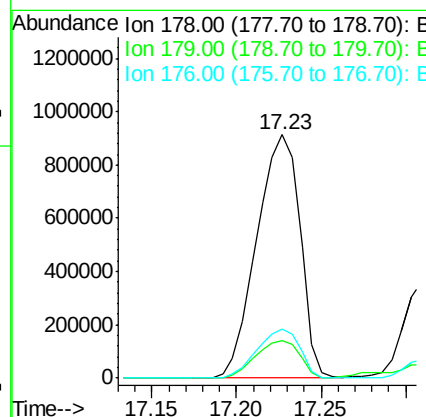
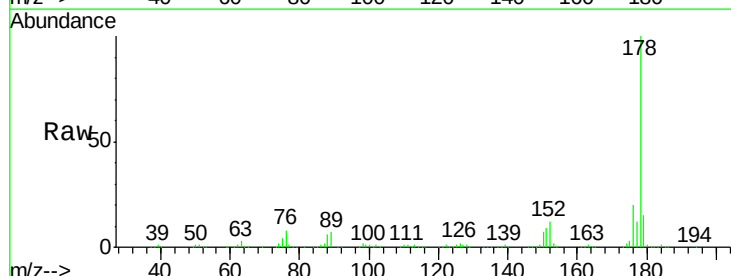
Manual Integrations
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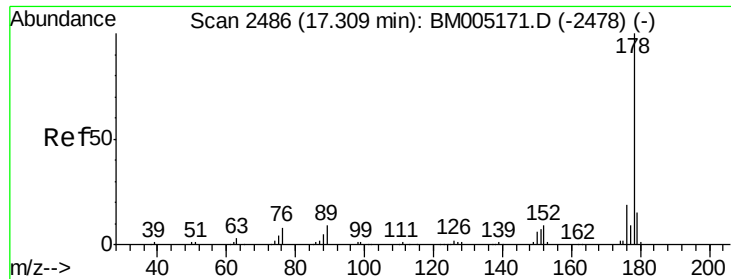
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#69
 Phenanthrene
 Concen: 108.81 ng/ul
 RT: 17.23 min Scan# 2472
 Delta R.T. 0.01 min
 Lab File: BM005163.D
 Acq: 30 Apr 2016 04:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1632400		
179	15.5		11.8	17.8
176	20.0		15.2	22.8





#71

Anthracene

Concen: 34.19 ng/ul

RT: 17.31 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BM005163.D

Acq: 30 Apr 2016 04:10

Instrument :

BNA_M

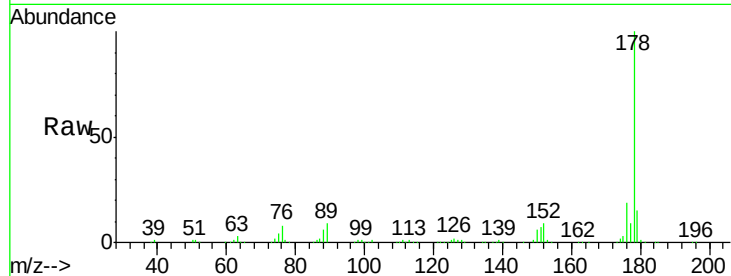
ClientSampleId :

BD3D0

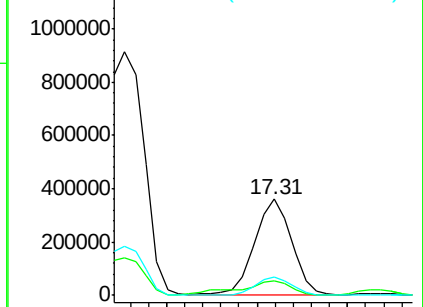
Tgt Ion:	178	Resp:	517183
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.1	18.1
176	18.5	14.6	22.0

Manual Integrations
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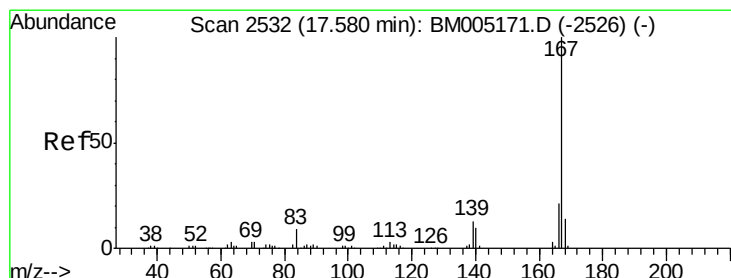
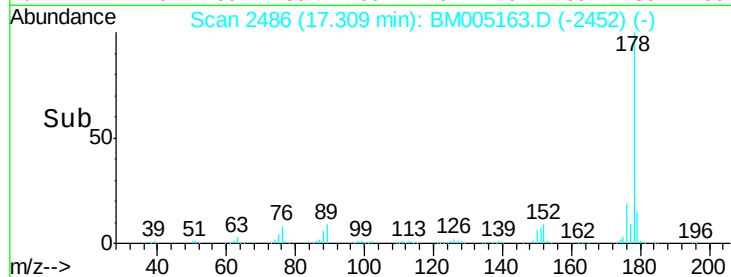
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Carbazole

Concen: 14.35 ng/ul

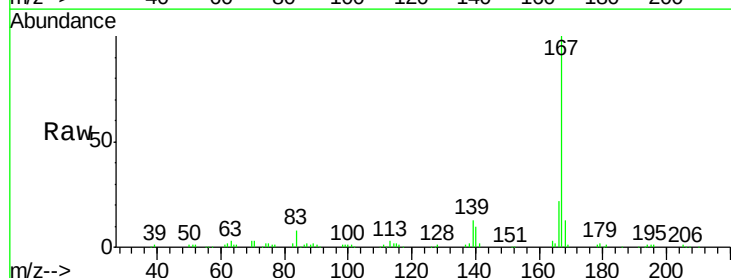
RT: 17.58 min Scan# 2532

Delta R.T. 0.00 min

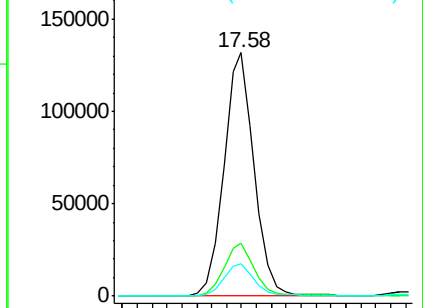
Lab File: BM005163.D

Acq: 30 Apr 2016 04:10

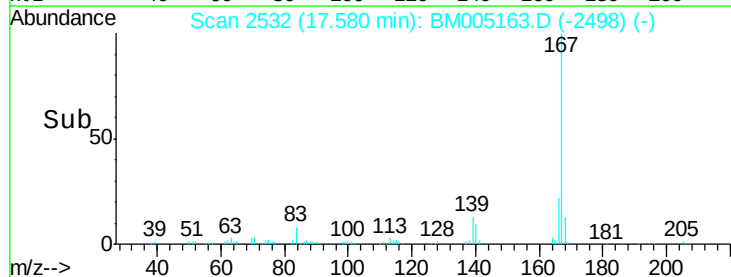
Tgt Ion:	167	Resp:	186155
Ion Ratio	Lower	Upper	
167	100		
166	21.8	16.6	25.0
139	13.2	10.2	15.4

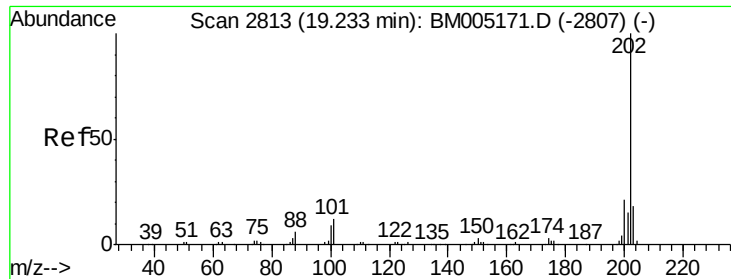


Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Fluoranthene

Concen: 115.37 ng/ul

RT: 19.24 min Scan# 2815

Delta R.T. 0.01 min

Lab File: BM005163.D

Acq: 30 Apr 2016 04:10

Instrument :

BNA_M

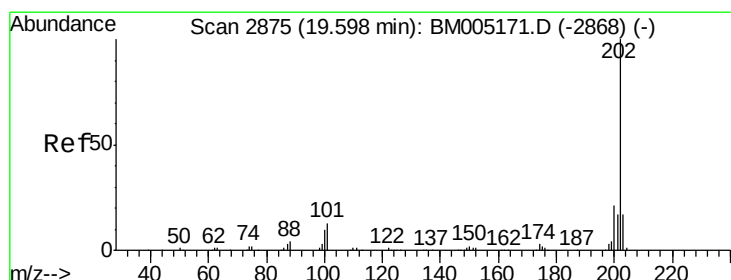
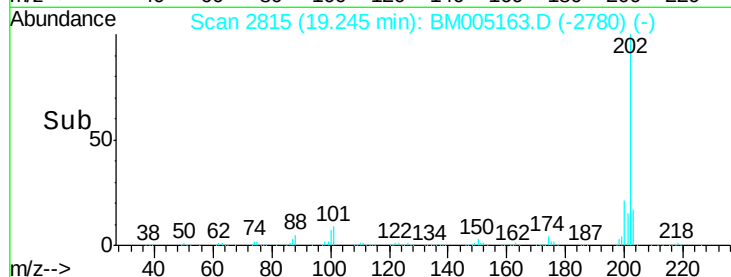
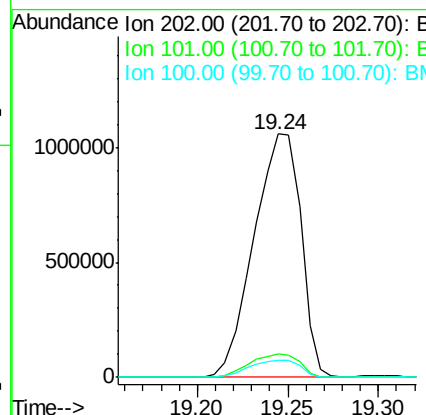
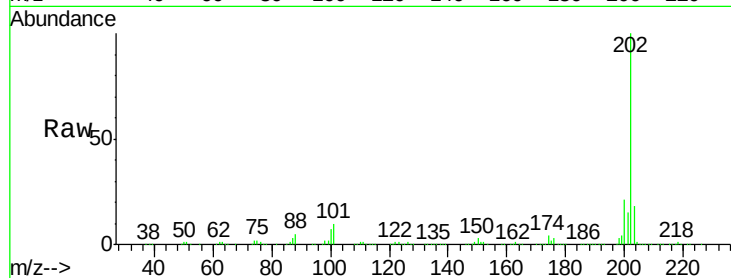
ClientSampleId :

BD3D0

Tgt Ion:	202	Resp:	1904916
Ion Ratio	Lower	Upper	
202	100		
101	9.5	9.0	13.4
100	7.2	6.6	10.0

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#77

Pyrene

Concen: 131.24 ng/ul

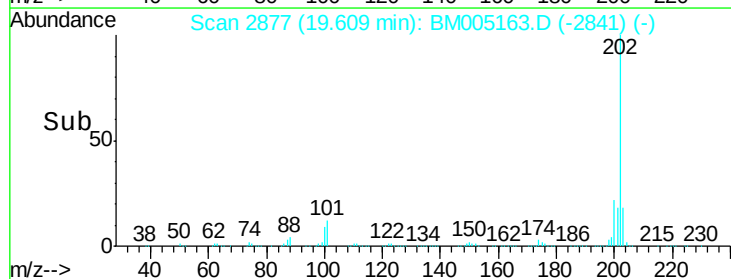
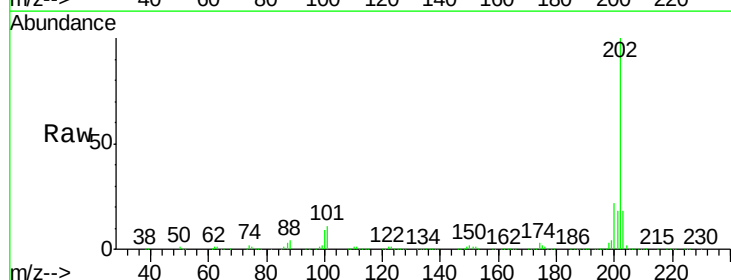
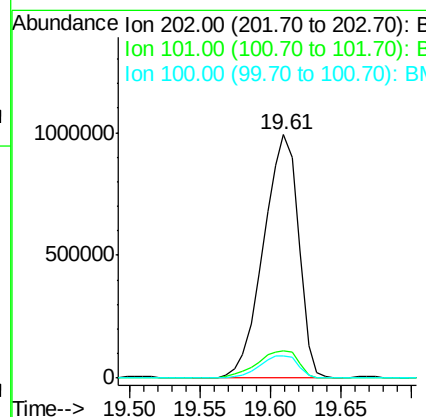
RT: 19.61 min Scan# 2877

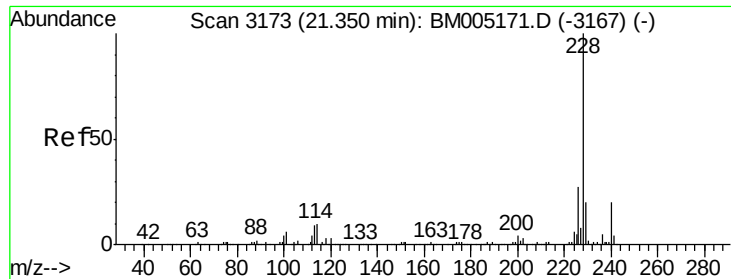
Delta R.T. 0.01 min

Lab File: BM005163.D

Acq: 30 Apr 2016 04:10

Tgt Ion:	202	Resp:	1731773
Ion Ratio	Lower	Upper	
202	100		
101	11.4	10.5	15.7
100	9.3	8.2	12.2





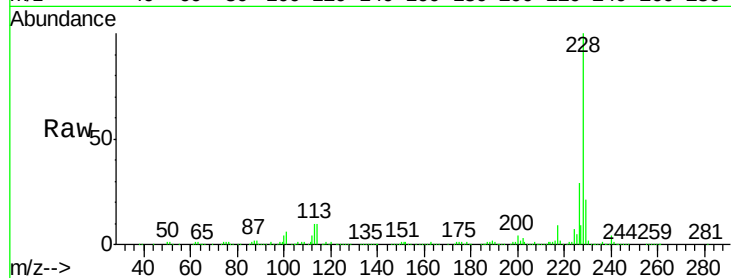
#80
Benzo(a)anthracene
Concen: 62.61 ng/ul
RT: 21.35 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM005163.D
Acq: 30 Apr 2016 04:10

Instrument :
BNA_M
ClientSampleId :
BD3D0

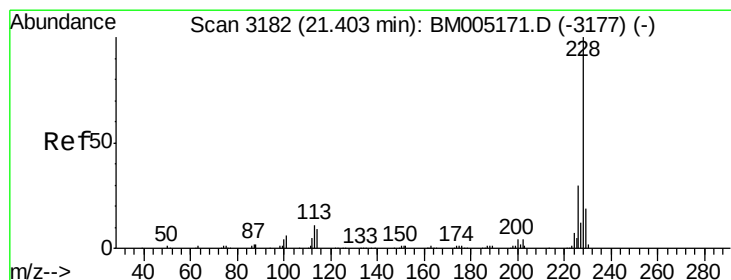
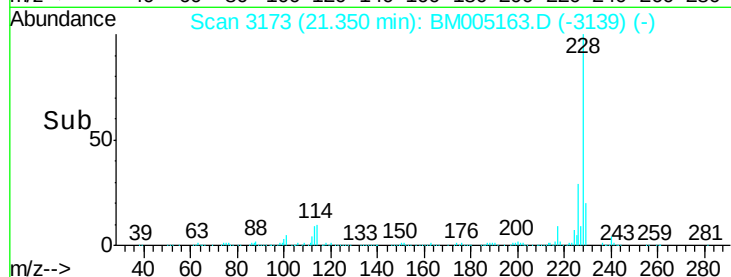
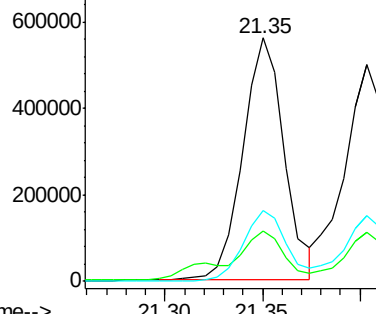
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	818569		
229	20.8	15.8	23.6	
226	29.1	21.5	32.3	

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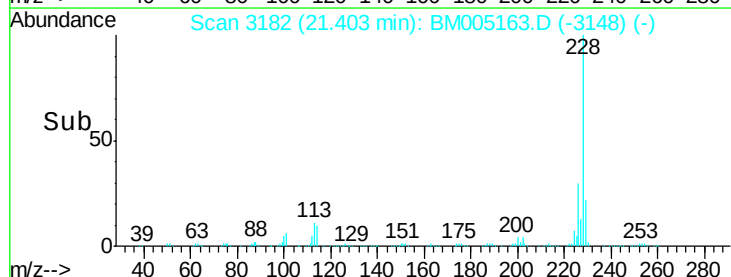
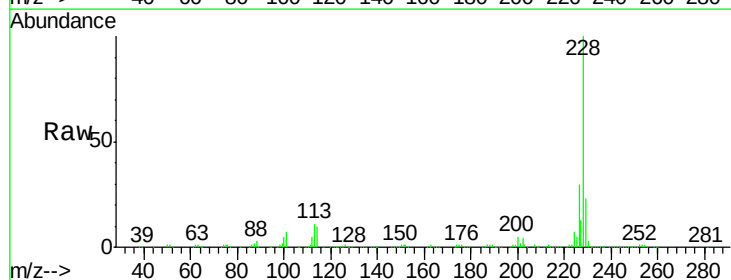
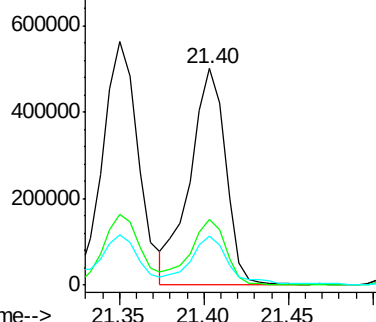
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

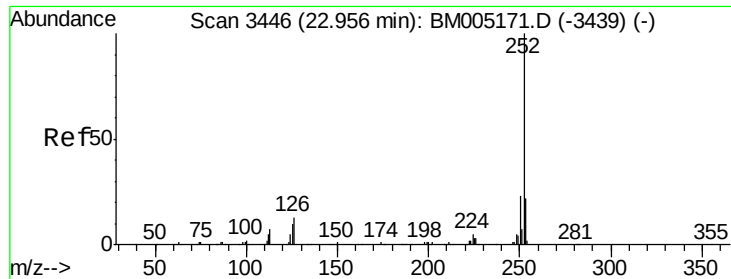


#82
Chrysene
Concen: 58.32 ng/ul
RT: 21.40 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BM005163.D
Acq: 30 Apr 2016 04:10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	729692		
226	30.4	24.2	36.2	
229	22.5	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





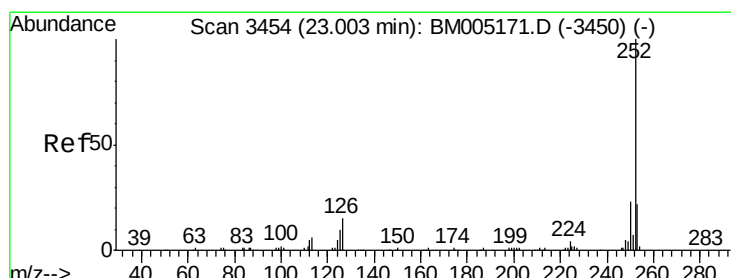
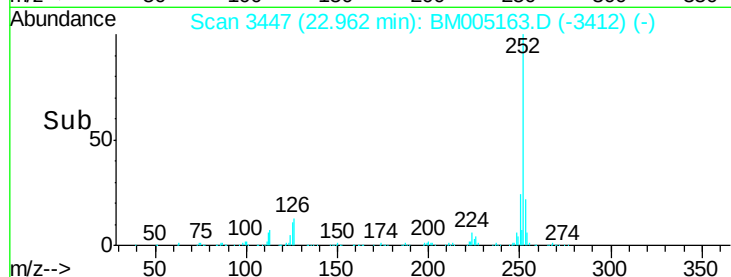
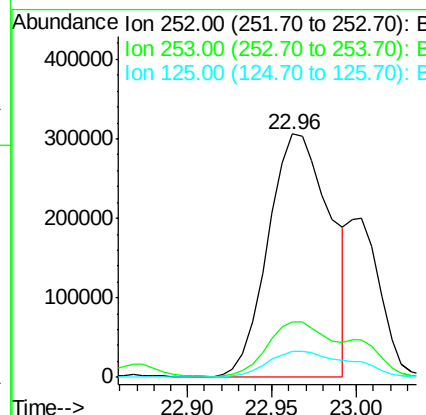
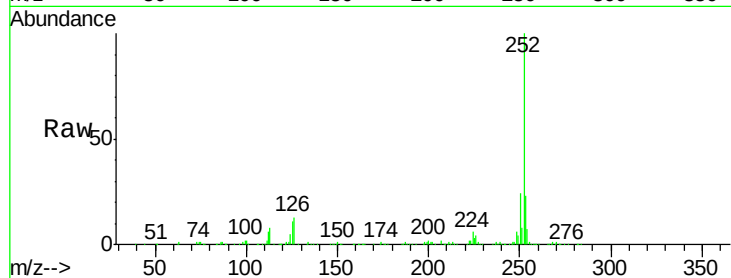
#85
Benzo(b)fluoranthene
Concen: 61.73 ng/ul
RT: 22.96 min Scan# 3447
Delta R.T. 0.01 min
Lab File: BM005163.D
Acq: 30 Apr 2016 04:10

Instrument :
BNA_M
ClientSampleId :
BD3D0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	10.7	7.8	11.6

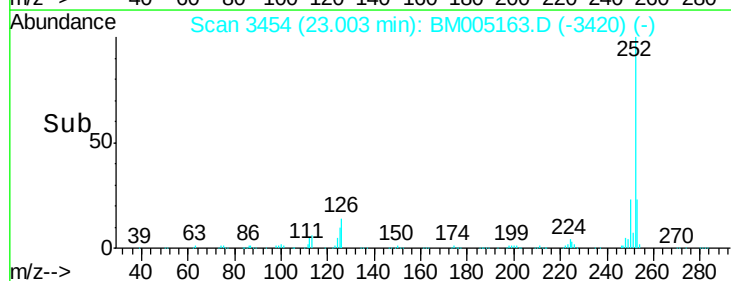
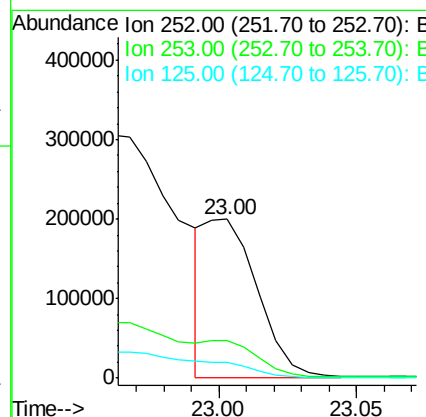
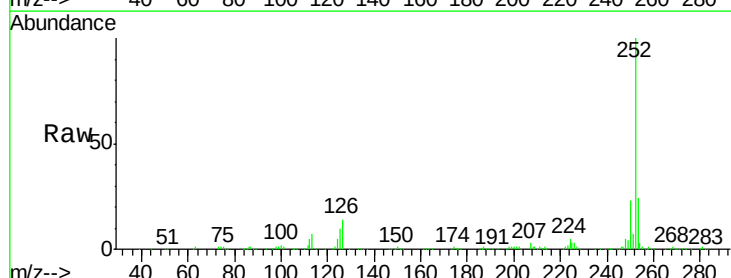
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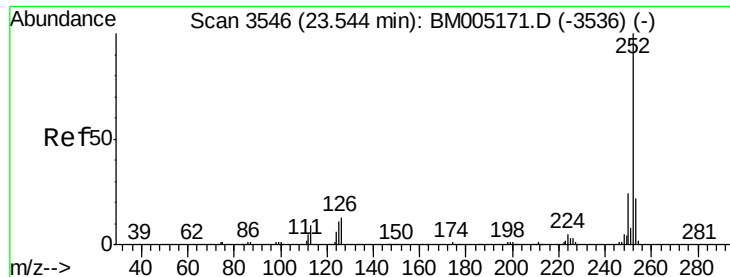
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#86
Benzo(k)fluoranthene
Concen: 21.25 ng/ul m
RT: 23.00 min Scan# 3454
Delta R.T. 0.00 min
Lab File: BM005163.D
Acq: 30 Apr 2016 04:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	9.8	7.9	11.9





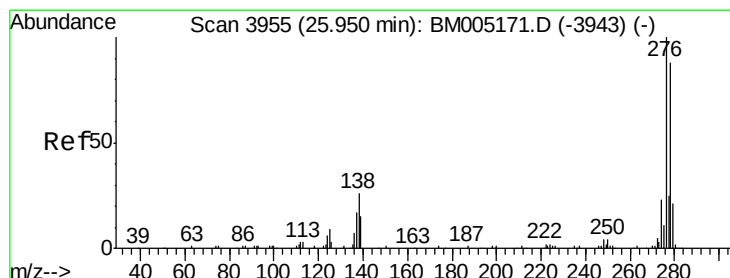
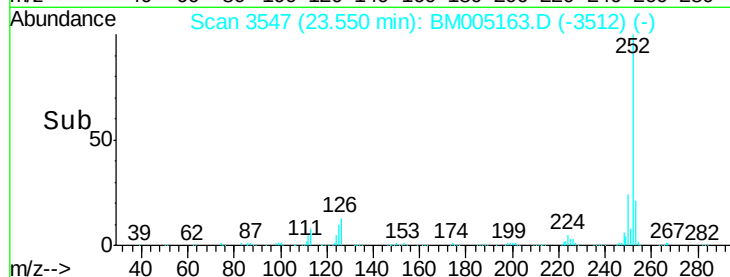
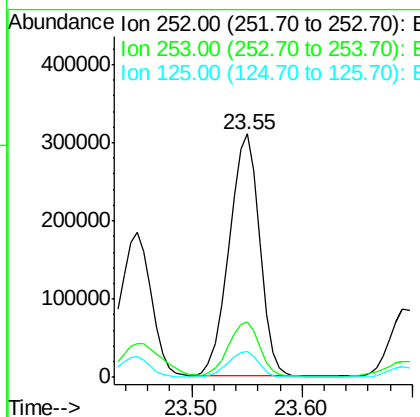
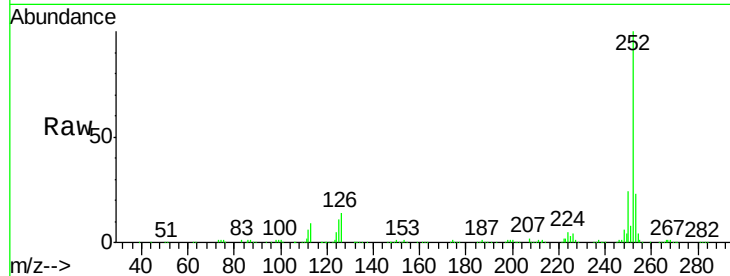
#88
Benzo(a)pyrene
Concen: 50.86 ng/ul
RT: 23.55 min Scan# 3547
Delta R.T. 0.01 min
Lab File: BM005163.D
Acq: 30 Apr 2016 04:10

Instrument :
BNA_M
ClientSampled :
BD3D0

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.5	8.3	12.5

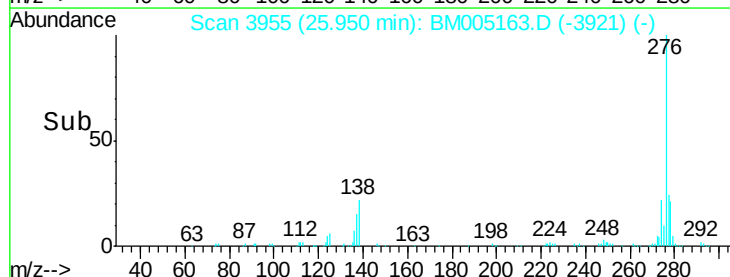
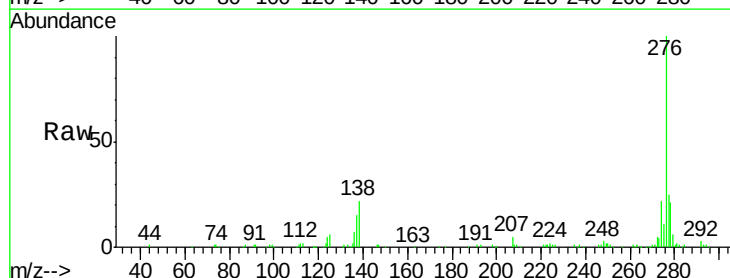
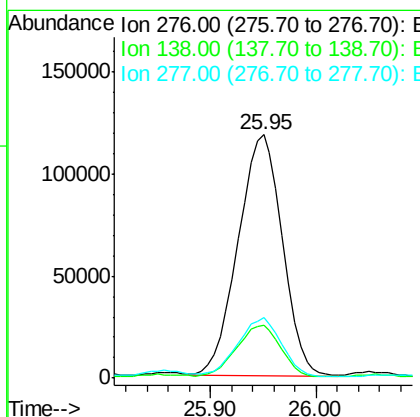
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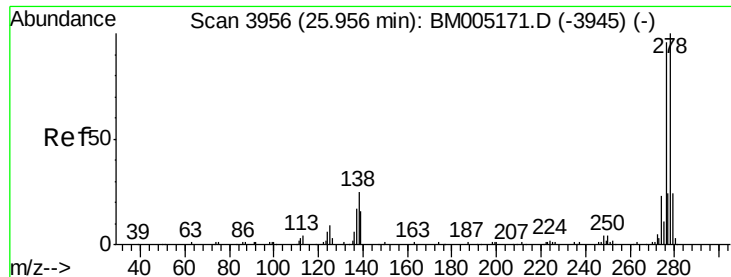
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#89
Indeno(1,2,3-cd)pyrene
Concen: 30.71 ng/ul
RT: 25.95 min Scan# 3955
Delta R.T. 0.00 min
Lab File: BM005163.D
Acq: 30 Apr 2016 04:10

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	21.7	20.2	30.4
277	24.7	20.4	30.6





#90

Dibenzo(a,h)anthracene

Concen: 8.54 ng/ul

RT: 25.95 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BM005163.D

Acq: 30 Apr 2016 04:10

Instrument :

BNA_M

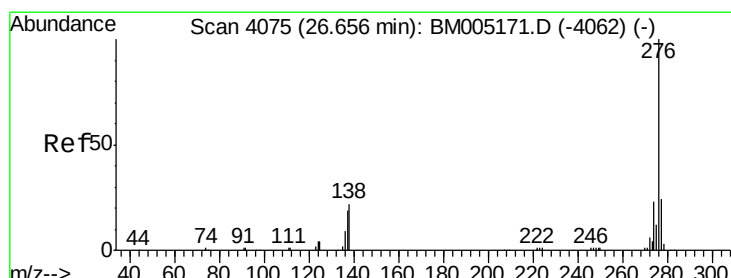
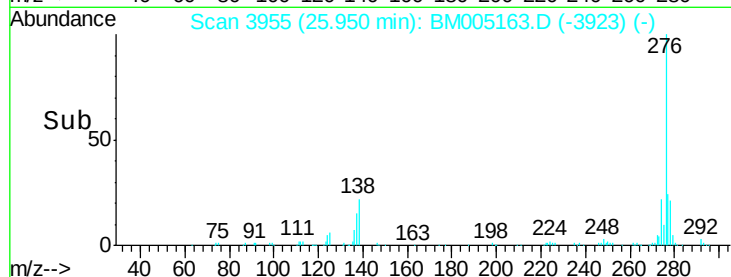
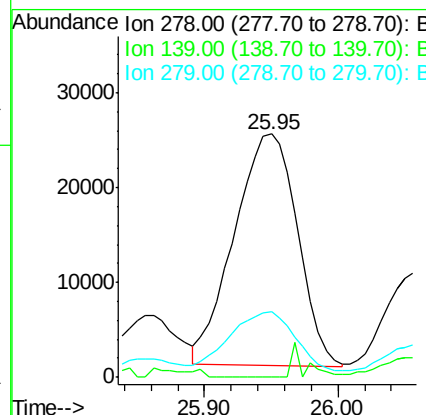
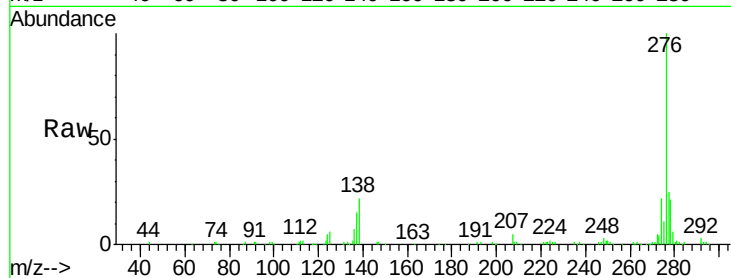
ClientSampleId :

BD3D0

Tgt Ion:	278	Resp:	80329
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.6	19.0#
279	27.0	19.1	28.7

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#91

Benzo(g,h,i)perylene

Concen: 32.72 ng/ul

RT: 26.66 min Scan# 4075

Delta R.T. 0.00 min

Lab File: BM005163.D

Acq: 30 Apr 2016 04:10

Tgt Ion:	276	Resp:	301329
Ion Ratio	Lower	Upper	
276	100		
138	22.3	17.4	26.2
277	23.6	19.0	28.4

