

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM043016\
 Data File : BM005167.D
 Acq On : 30 Apr 2016 10:15
 Operator : UM/SJ
 Sample : H2729-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3D1

Manual Integrations
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 5/2/2016 8:51:56 AM

Quant Time: May 01 04:03:15 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	36263	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	172058	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	107684	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	249006	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	264272	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	219023	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	2806	3.93	ng/uL	0.00
5) Phenol-d5	6.95	99	62177	20.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	38465	22.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	49155	20.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	49964	19.65	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	24506	20.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	25986	19.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	50980	20.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	49355	16.67	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	183116	21.53	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	220366	21.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	20930	14.08	ng/ul	0.00
57) Fluorene-d10	15.42	176	162372	21.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	17912	12.65	ng/ul	0.00
70) Anthracene-d10	17.27	188	259068	23.20	ng/ul	0.00
76) Pyrene-d10	19.57	212	296895	24.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	230819	23.52	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.62	128	79124	9.12	ng/ul	99
34) 2-Methylnaphthalene	12.24	142	16621	2.59	ng/ul	98
44) Dimethylphthalate	13.88	163	46223	5.42	ng/ul	100
47) Acenaphthylene	14.14	152	31791	2.97	ng/ul	98
49) Acenaphthene	14.49	153	11876	1.68	ng/ul	99
53) Dibenzofuran	14.82	168	40229	3.87	ng/ul	98
58) Fluorene	15.47	166	39866	4.94	ng/ul	99
69) Phenanthrene	17.22	178	394219	29.75	ng/ul	99
71) Anthracene	17.30	178	90419	6.77	ng/ul	99
72) Carbazole	17.57	167	35316	3.08	ng/ul	99
74) Fluoranthene	19.23	202	418217	28.67	ng/ul	99
77) Pyrene	19.60	202	355140	23.26	ng/ul	99
80) Benzo(a)anthracene	21.34	228	142508	9.42	ng/ul	99
82) Chrysene	21.40	228	128653	8.89	ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	129190	9.79	ng/ul	98
86) Benzo(k)fluoranthene	23.00	252	43847m	3.42	ng/ul	
88) Benzo(a)pyrene	23.54	252	96491	7.83	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.94	276	46815	3.98	ng/ul	95
91) Benzo(g,h,i)perylene	26.64	276	39026	4.06	ng/ul	99

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

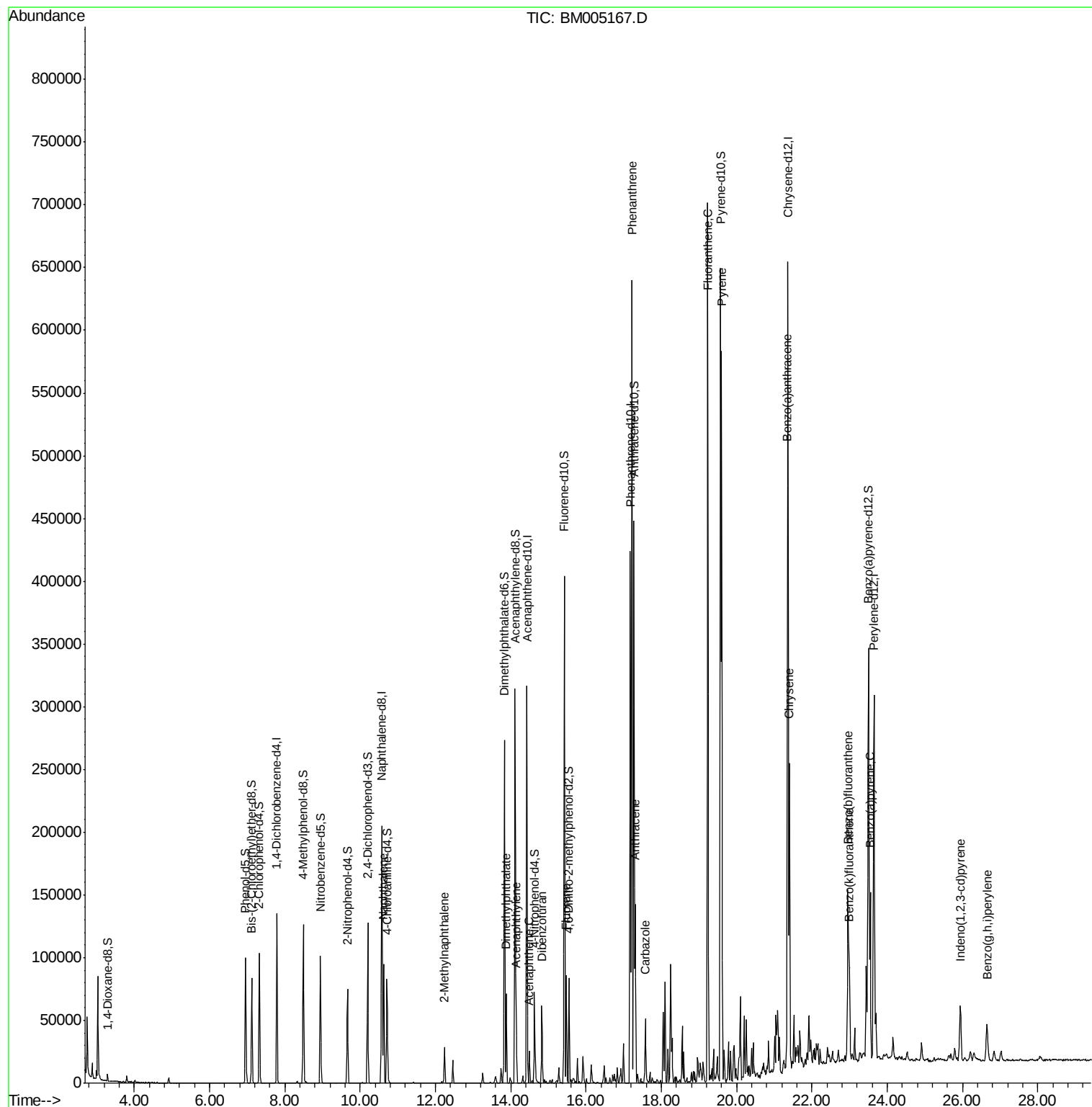
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM043016\
Data File : BM005167.D
Acq On : 30 Apr 2016 10:15
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ALS Vial : 12 Sample Multiplier: 1

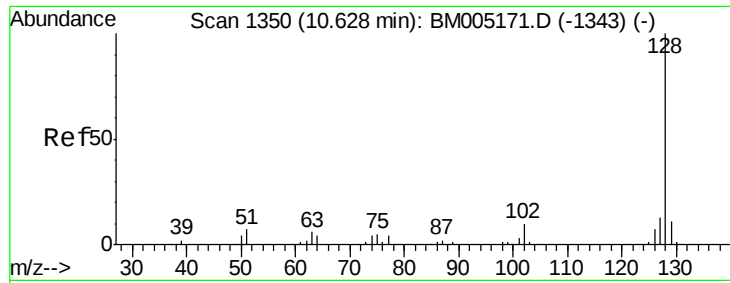
Instrument :
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ClientSampleId :
BD3D1

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Quant Time: May 01 04:03:15 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION
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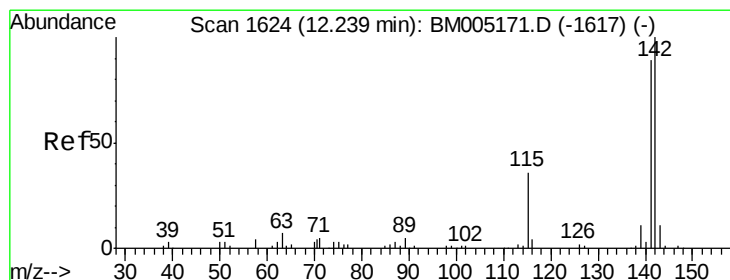
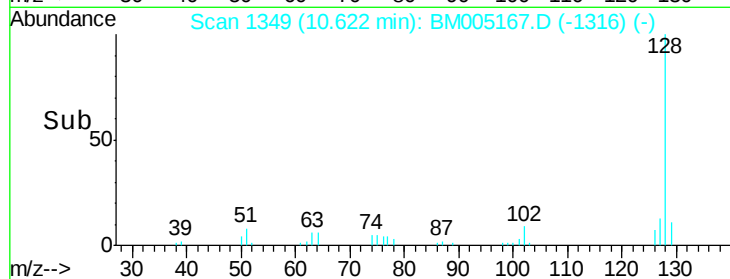
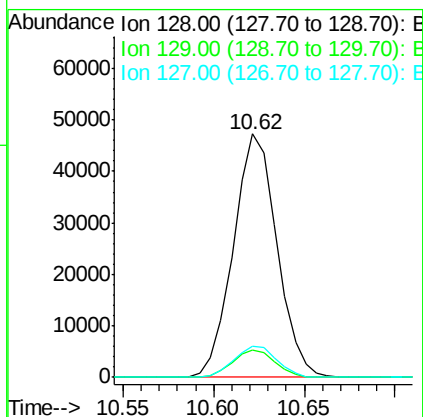
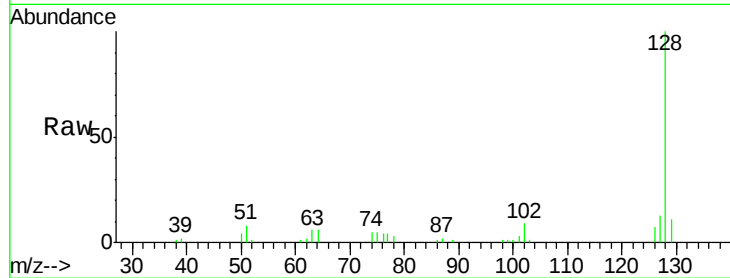
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Naphthalene
Concen: 9.12 ng/ul
RT: 10.62 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BM005167.D
Acq: 30 Apr 2016 10:15

Instrument :
BNA_M
ClientSampleId :
BD3D1

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.8	10.6	15.8

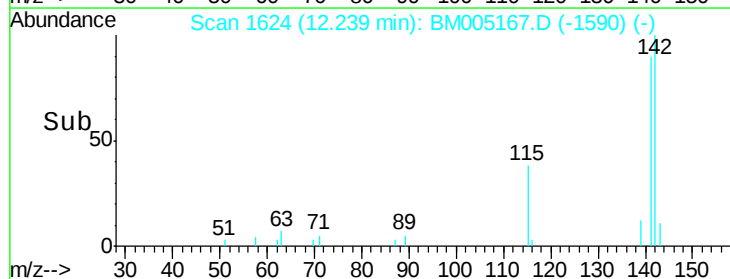
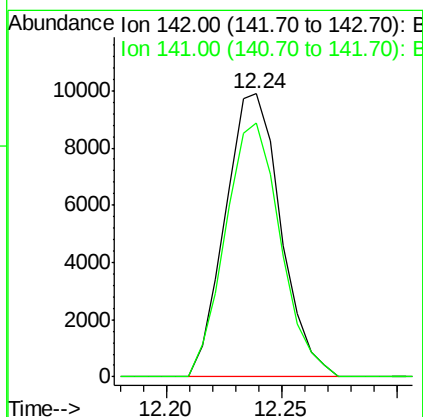
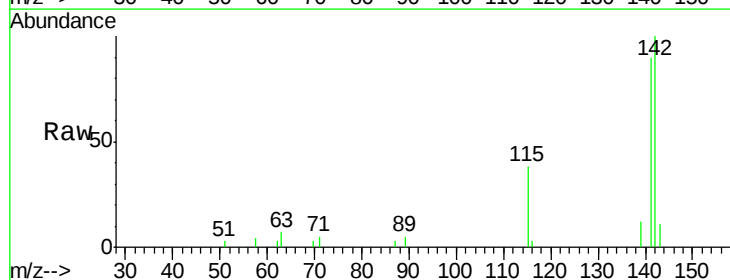
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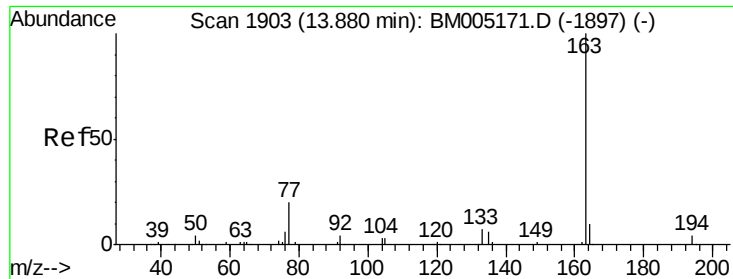
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#34
2-Methylnaphthalene
Concen: 2.59 ng/ul
RT: 12.24 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BM005167.D
Acq: 30 Apr 2016 10:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.3	105.5





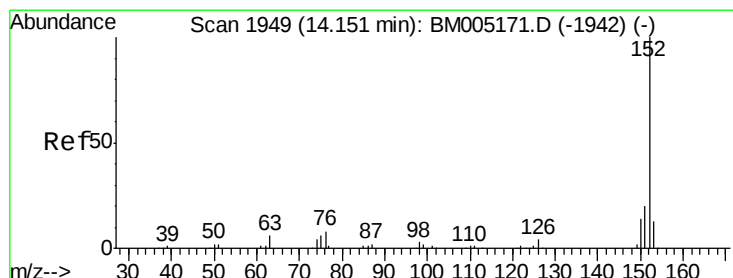
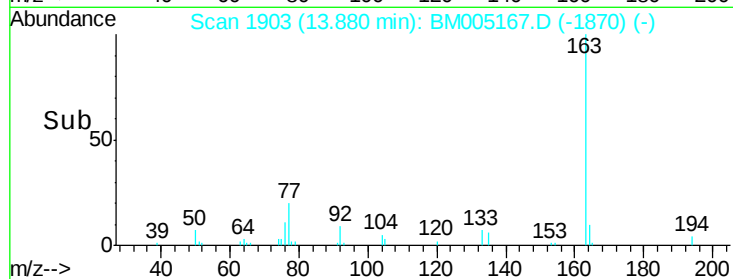
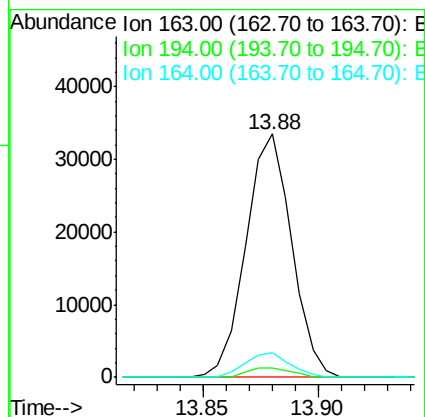
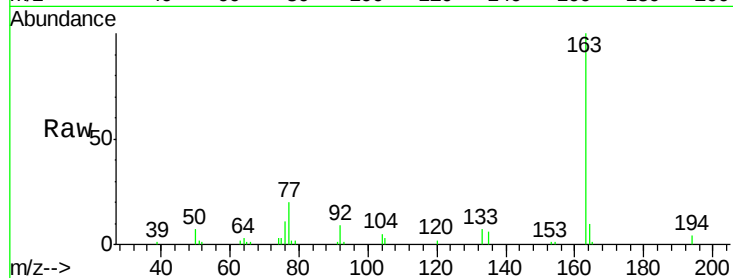
#44
Dimethylphthalate
Concen: 5.42 ng/ul
RT: 13.88 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM005167.D
Acq: 30 Apr 2016 10:15

Instrument :
BNA_M
ClientSampleId :
BD3D1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46223		
194	3.9		3.3	4.9
164	10.2		8.2	12.2

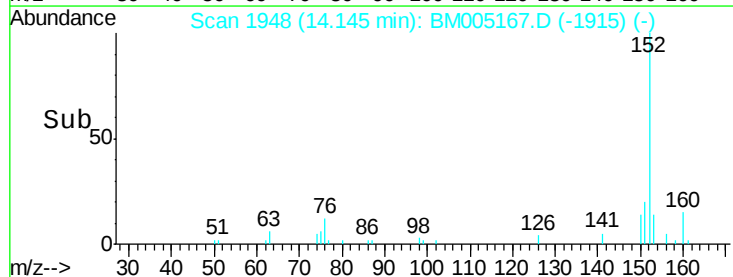
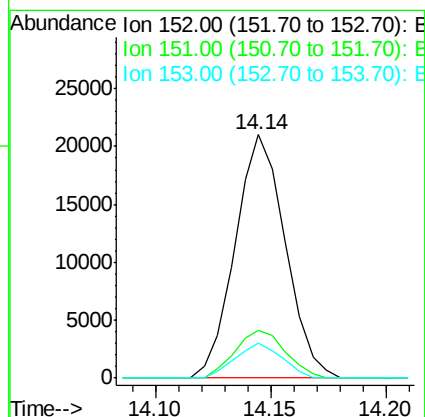
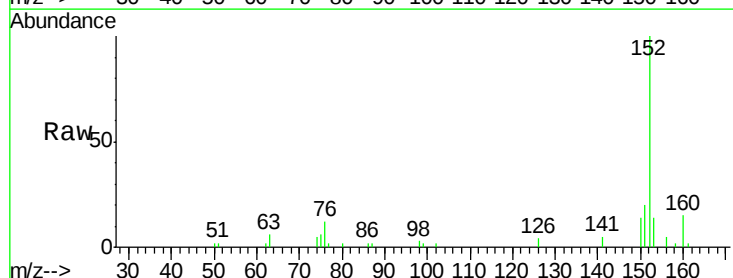
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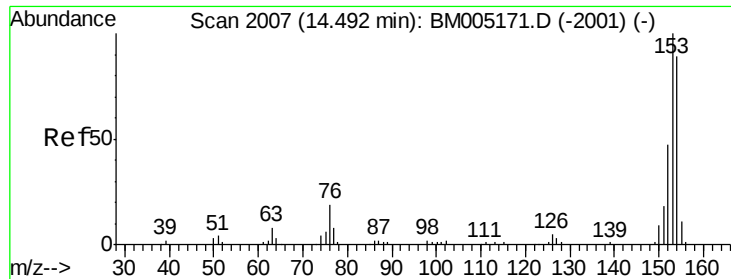
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#47
Acenaphthylene
Concen: 2.97 ng/ul
RT: 14.14 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BM005167.D
Acq: 30 Apr 2016 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	31791		
151	19.7		15.8	23.8
153	14.3		10.3	15.5





#49

Acenaphthene

Concen: 1.68 ng/ul

RT: 14.49 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BM005167.D

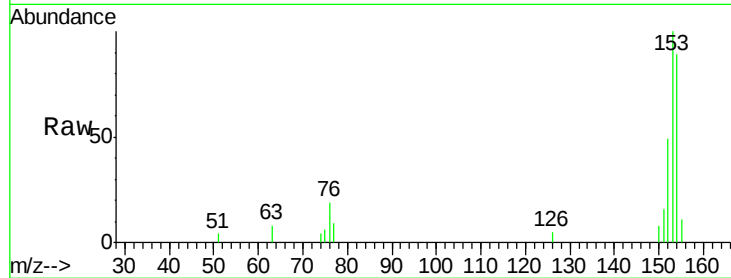
Acq: 30 Apr 2016 10:15

Instrument :

BNA_M

ClientSampled :

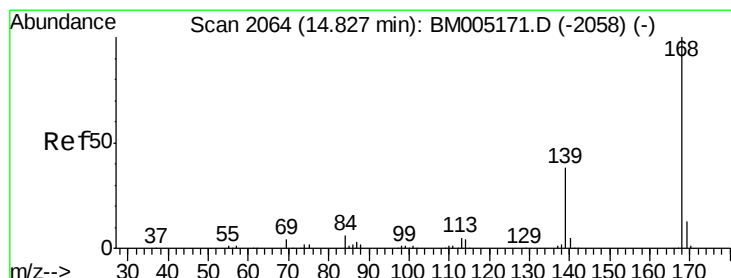
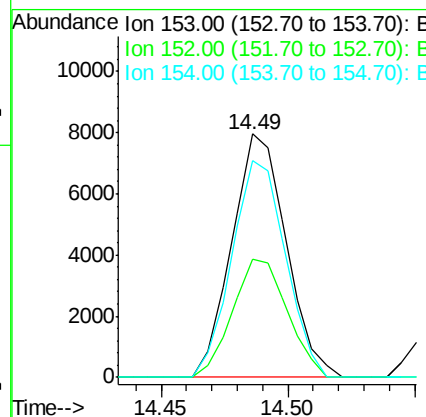
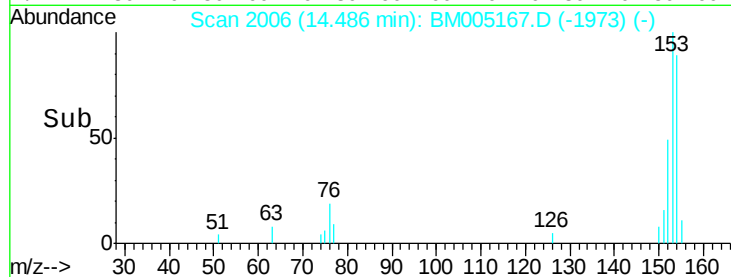
BD3D1



Tgt Ion:	153	Resp:	11876
Ion Ratio	Lower	Upper	
153	100		
152	48.5	37.7	56.5
154	89.1	71.4	107.2

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#53

Dibenzofuran

Concen: 3.87 ng/ul

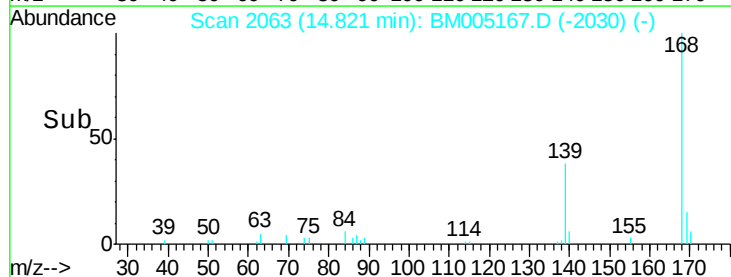
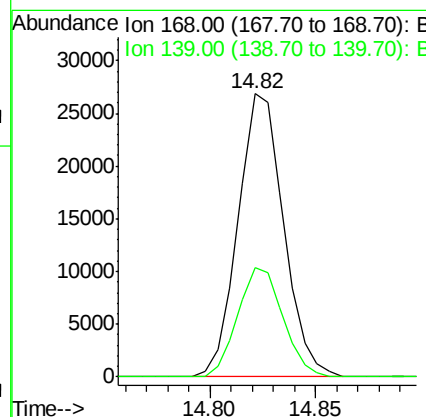
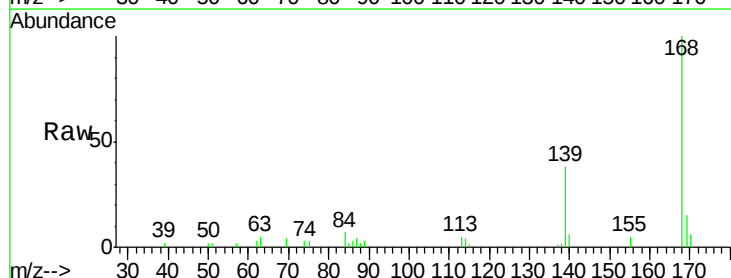
RT: 14.82 min Scan# 2063

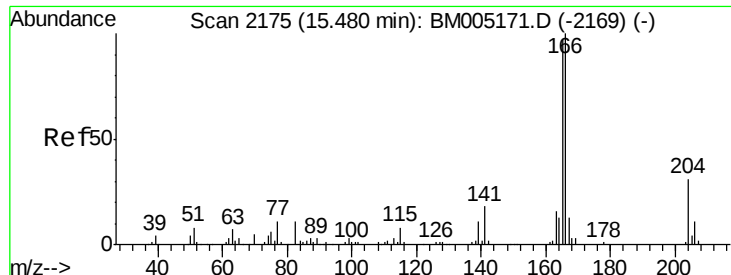
Delta R.T. -0.01 min

Lab File: BM005167.D

Acq: 30 Apr 2016 10:15

Tgt Ion:	168	Resp:	40229
Ion Ratio	Lower	Upper	
168	100		
139	38.4	29.9	44.9





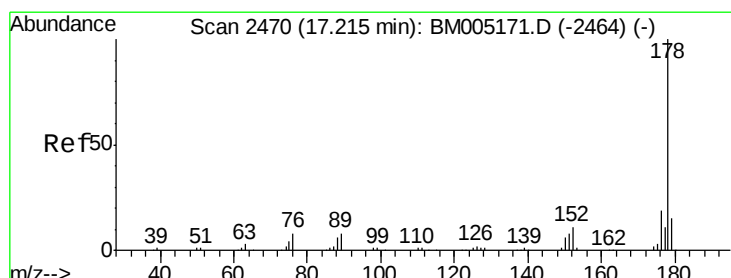
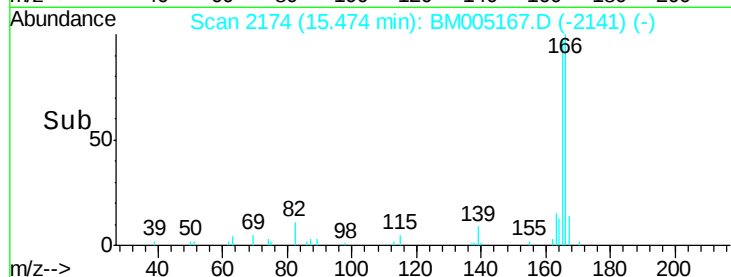
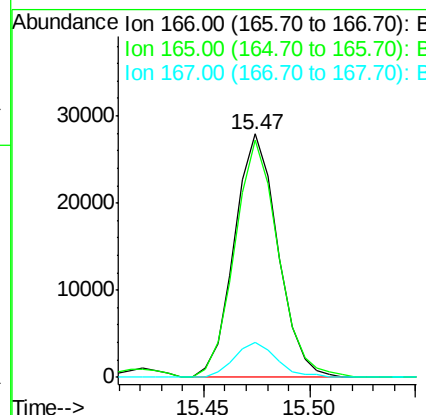
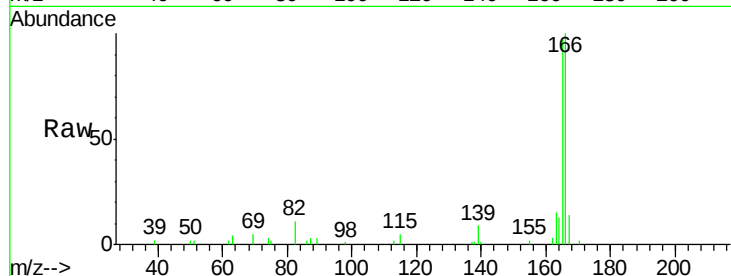
#58
 Fluorene
 Concen: 4.94 ng/ul
 RT: 15.47 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: BM005167.D
 Acq: 30 Apr 2016 10:15

Instrument :
 BNA_M
 ClientSampleId :
 BD3D1

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	39866		
165	97.5	77.7	116.5	
167	14.2	10.9	16.3	

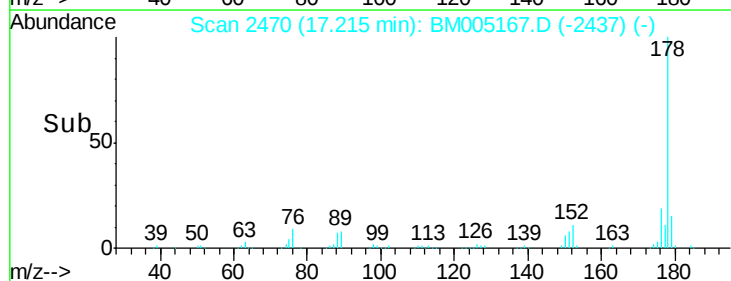
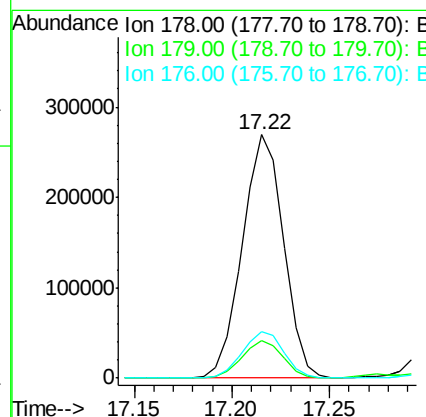
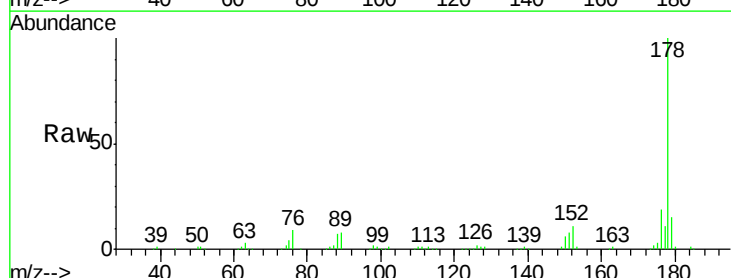
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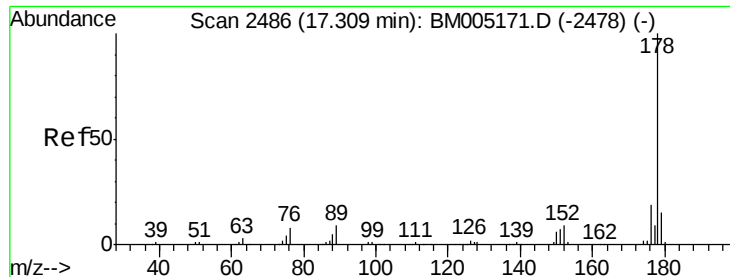
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#69
 Phenanthrene
 Concen: 29.75 ng/ul
 RT: 17.22 min Scan# 2470
 Delta R.T. -0.01 min
 Lab File: BM005167.D
 Acq: 30 Apr 2016 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	394219		
179	15.3	11.8	17.8	
176	19.1	15.2	22.8	





#71

Anthracene

Concen: 6.77 ng/ul

RT: 17.30 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BM005167.D

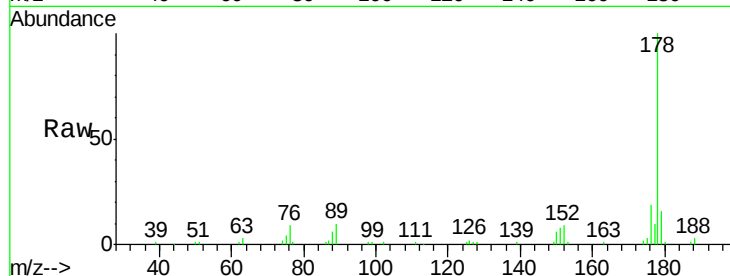
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BNA_M

ClientSampleId :

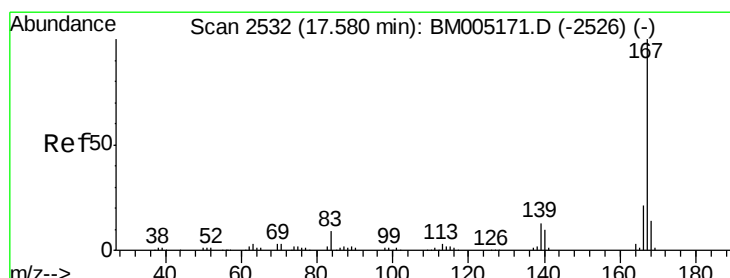
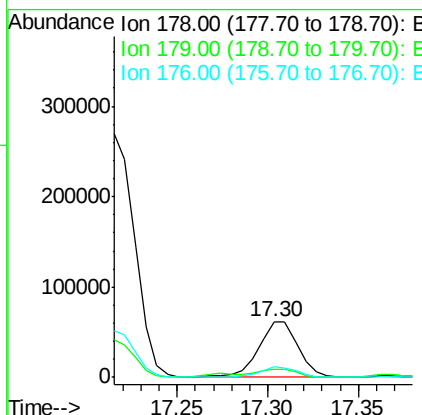
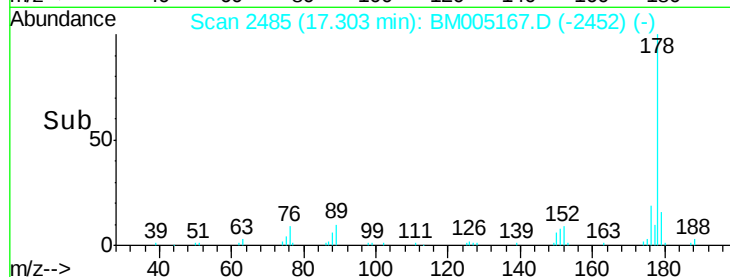
BD3D1



Tgt Ion:	178	Resp:	90419
Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	18.8	14.6	22.0

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#72

Carbazole

Concen: 3.08 ng/ul

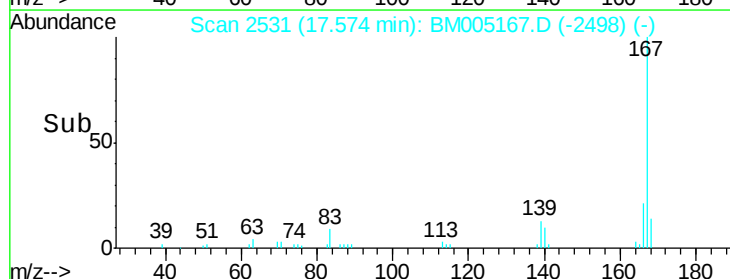
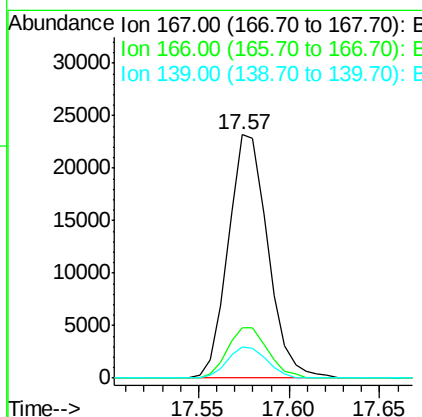
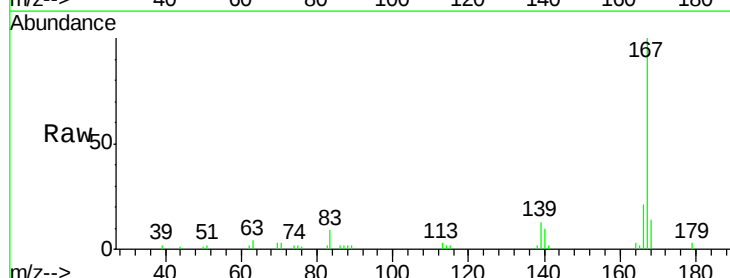
RT: 17.57 min Scan# 2531

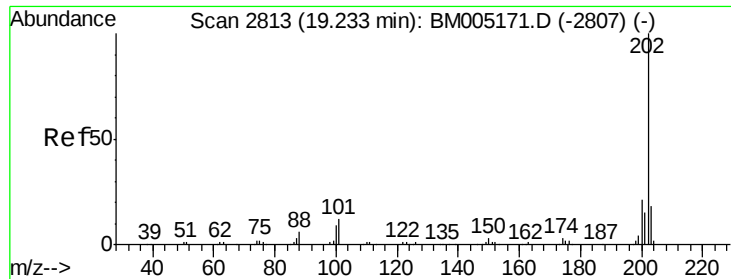
Delta R.T. -0.01 min

Lab File: BM005167.D

Acq: 30 Apr 2016 10:15

Tgt Ion:	167	Resp:	35316
Ion	Ratio	Lower	Upper
167	100		
166	20.5	16.6	25.0
139	13.0	10.2	15.4





#74

Fluoranthene

Concen: 28.67 ng/u1

RT: 19.23 min Scan# 2813

Delta R.T. -0.01 min

Lab File: BM005167.D

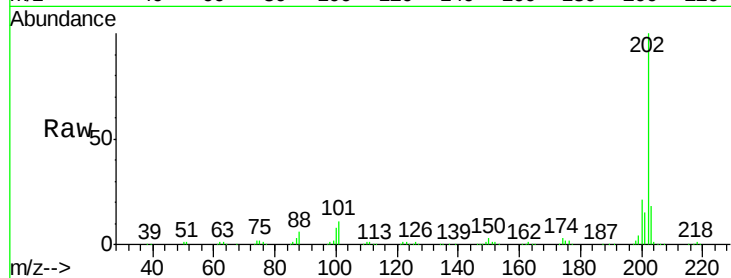
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Instrument :

BNA_M

ClientSampleId :

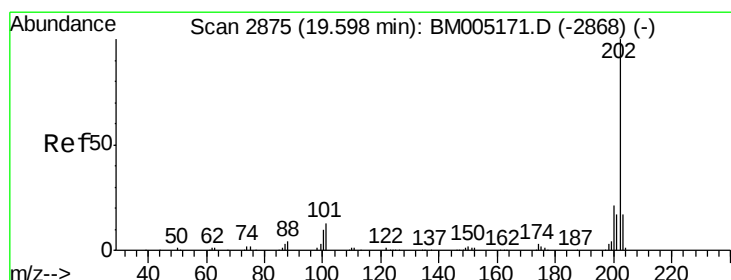
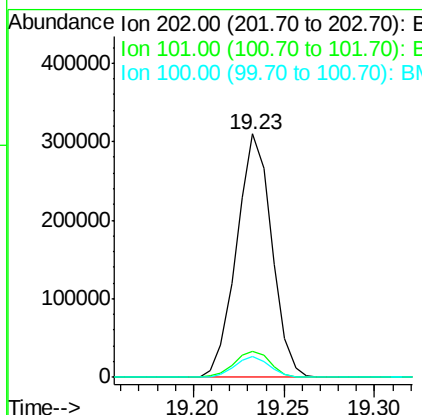
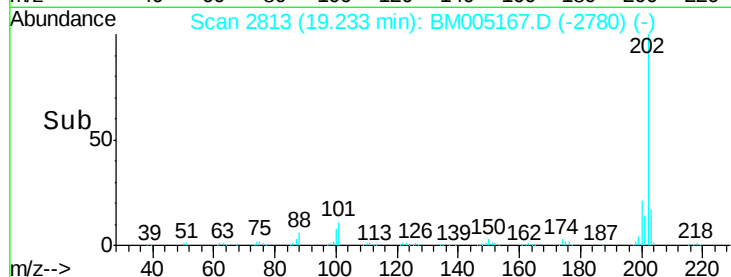
BD3D1



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	418217		
101	10.8	9.0	13.4	
100	8.3	6.6	10.0	

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#77

Pyrene

Concen: 23.26 ng/u1

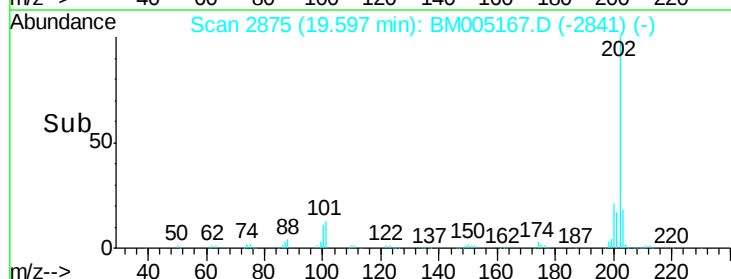
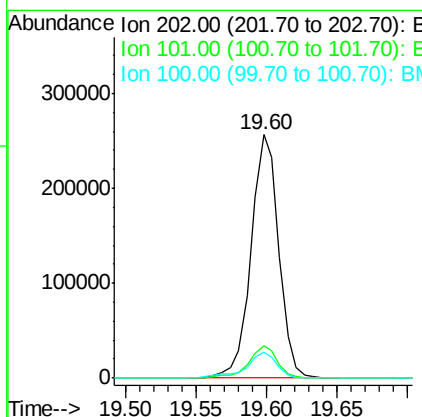
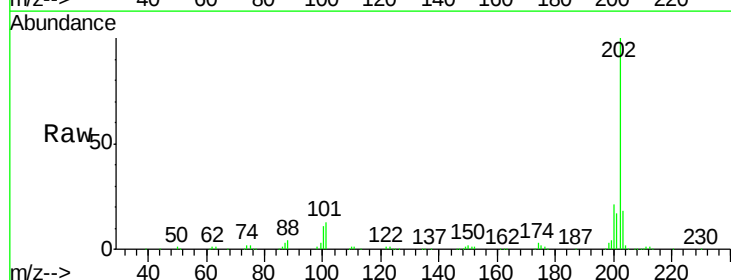
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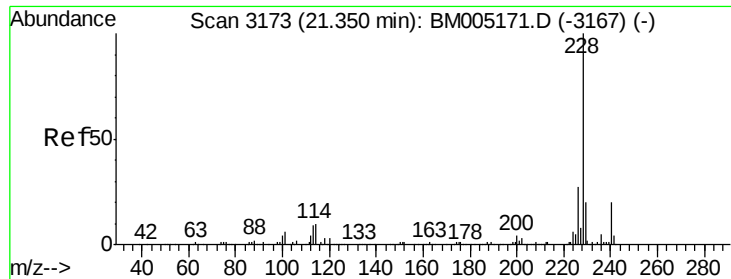
Delta R.T. -0.00 min

Lab File: BM005167.D

Acq: 30 Apr 2016 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	355140		
101	13.1	10.5	15.7	
100	10.7	8.2	12.2	





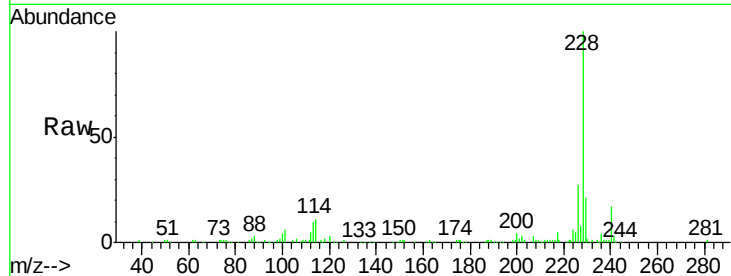
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Benzo(a)anthracene
Concen: 9.42 ng/ul
RT: 21.34 min Scan# 3172
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Lab File: BM005167.D
Acq: 30 Apr 2016 10:15

Instrument :
BNA_M
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BD3D1

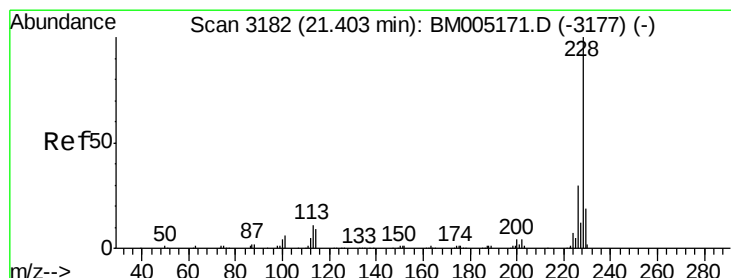
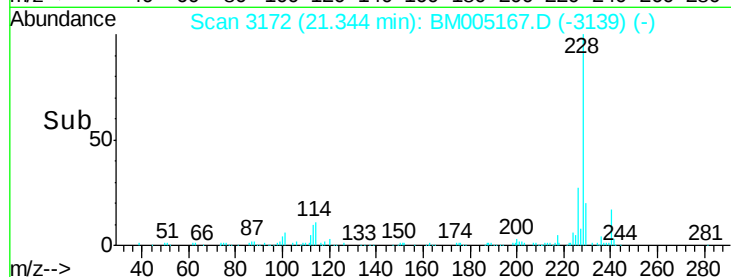
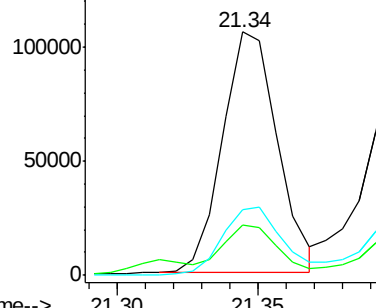
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	142508		
229	20.8	15.8	23.6	
226	27.0	21.5	32.3	

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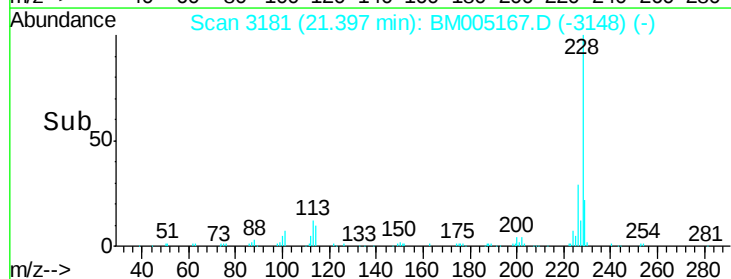
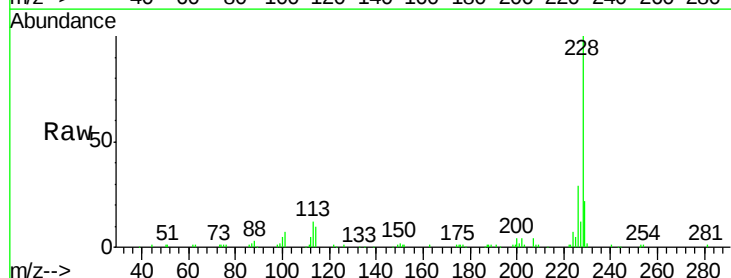
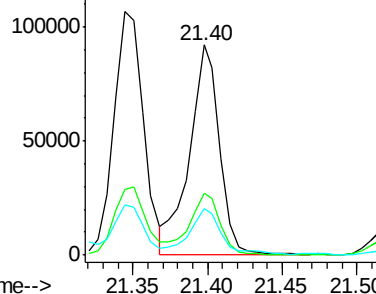
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

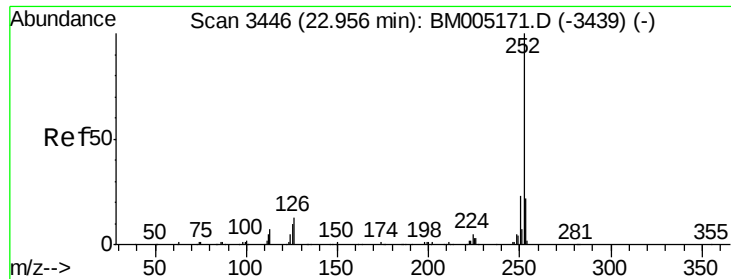


#82
Chrysene
Concen: 8.89 ng/ul
RT: 21.40 min Scan# 3181
Delta R.T. -0.01 min
Lab File: BM005167.D
Acq: 30 Apr 2016 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	128653		
226	29.3	24.2	36.2	
229	21.9	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: 9.79 ng/ul

RT: 22.96 min Scan# 3446

Delta R.T. -0.00 min

Lab File: BM005167.D

Acq: 30 Apr 2016 10:15

Instrument :

BNA_M

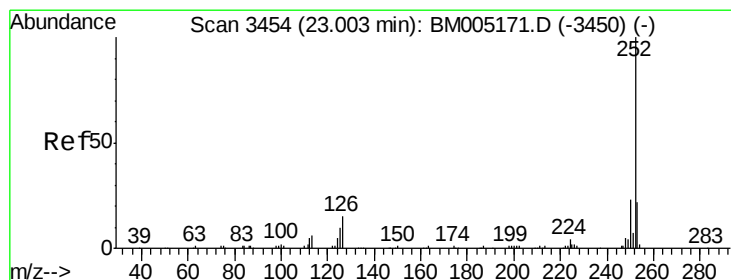
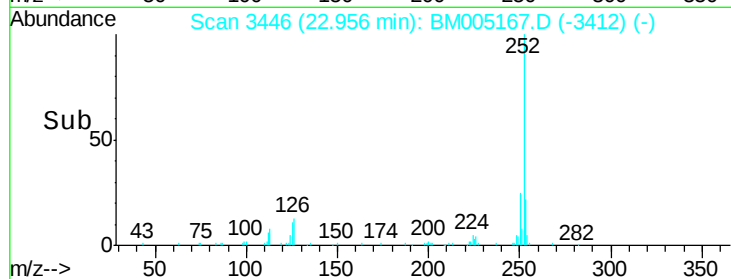
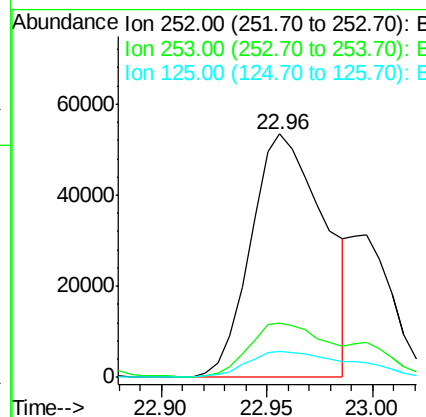
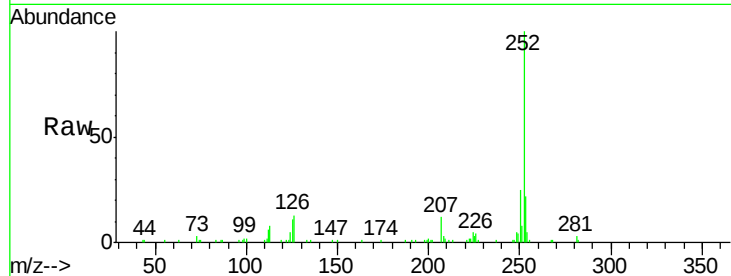
ClientSampled :

BD3D1

Tgt Ion:	252	Resp:	129190
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	10.7	7.8	11.6

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#86

Benzo(k)fluoranthene

Concen: 3.42 ng/ul m

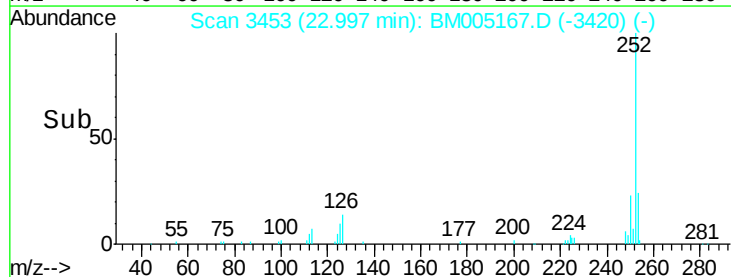
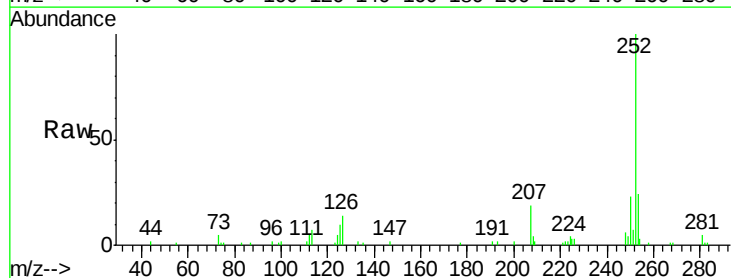
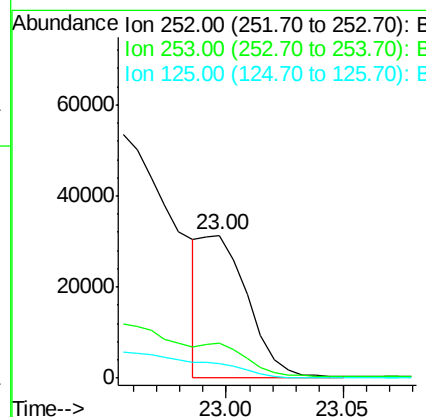
RT: 23.00 min Scan# 3453

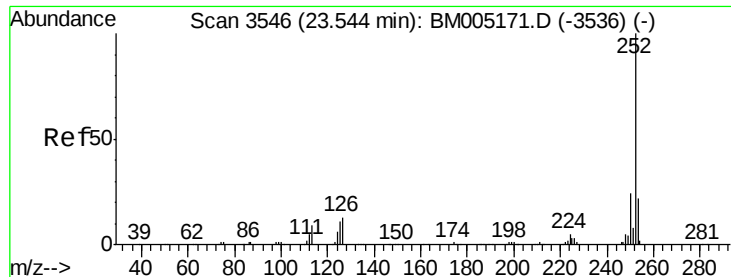
Delta R.T. -0.01 min

Lab File: BM005167.D

Acq: 30 Apr 2016 10:15

Tgt Ion:	252	Resp:	43847
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	10.0	7.9	11.9





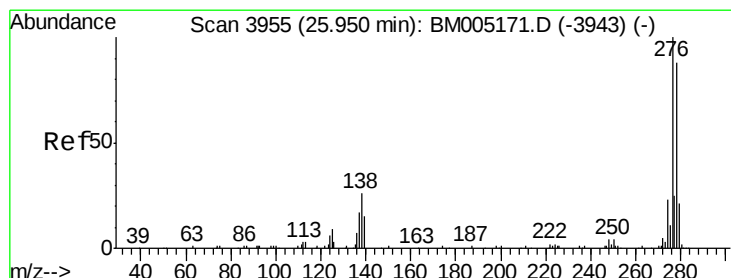
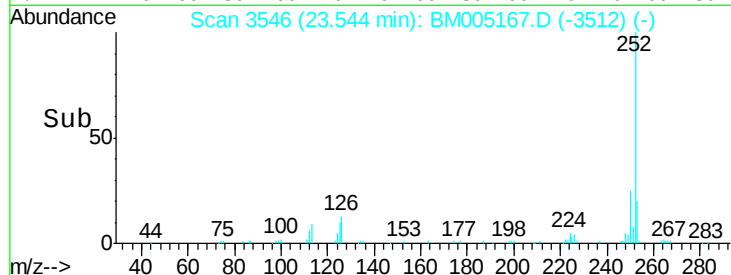
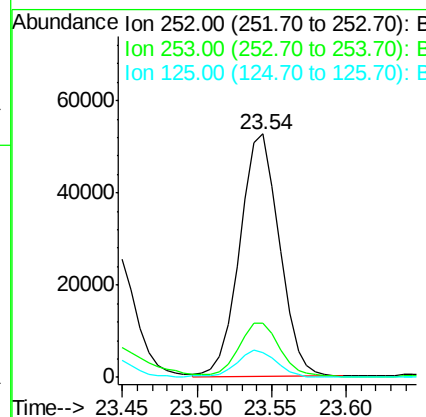
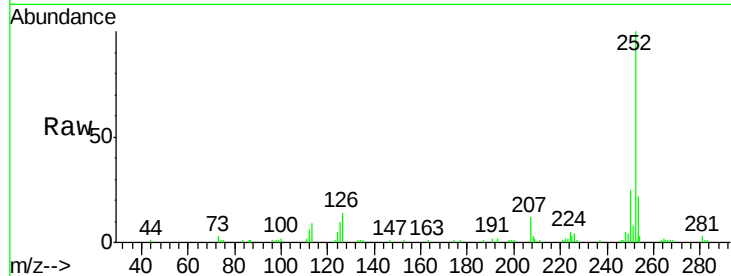
#88
Benzo(a)pyrene
Concen: 7.83 ng/ul
RT: 23.54 min Scan# 3546
Delta R.T. -0.00 min
Lab File: BM005167.D
Acq: 30 Apr 2016 10:15

Instrument :
BNA_M
ClientSampleId :
BD3D1

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	96491		
253	22.4	17.5	26.3	
125	10.4	8.3	12.5	

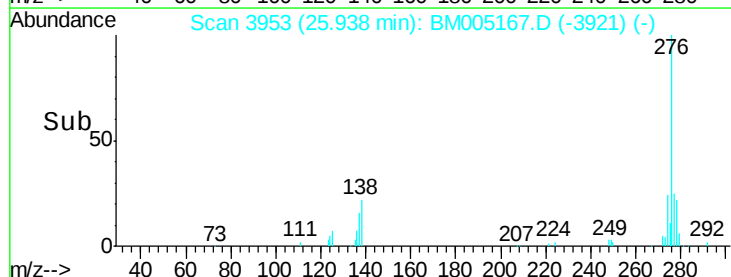
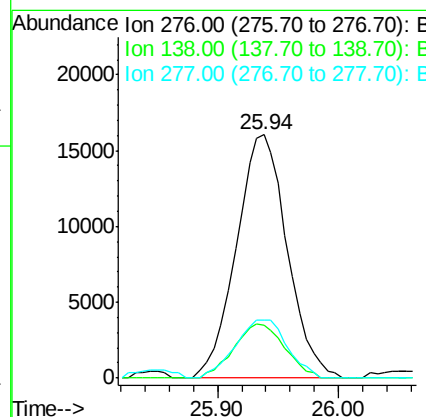
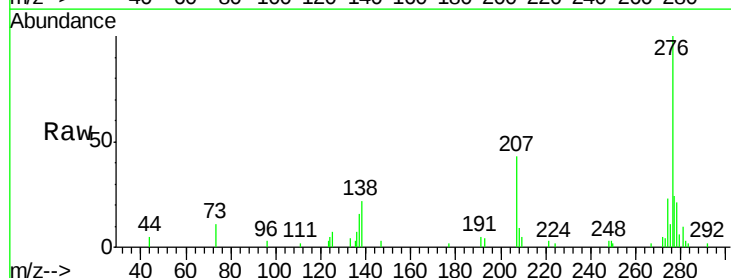
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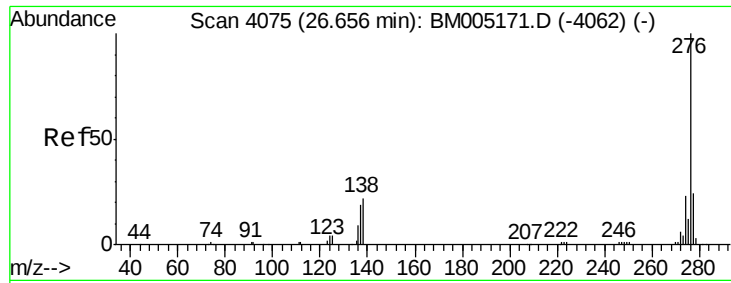
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#89
Indeno(1,2,3-cd)pyrene
Concen: 3.98 ng/ul
RT: 25.94 min Scan# 3953
Delta R.T. -0.01 min
Lab File: BM005167.D
Acq: 30 Apr 2016 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	46815		
138	21.6	20.2	30.4	
277	24.1	20.4	30.6	





#91
 Benzo(g,h,i)perylene
 Concen: 4.06 ng/ul
 RT: 26.64 min Scan# 4073
 Delta R.T. -0.01 min
 Lab File: BM005167.D
 Acq: 30 Apr 2016 10:15

Instrument :
 BNA_M
 ClientSampleId :
 BD3D1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.4	26.2
277	24.4	19.0	28.4

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