

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005604.D
 Acq On : 23 May 2016 01:42
 Operator : UM/SJ
 Sample : H3086-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2

Manual Integrations
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Quant Time: May 23 08:04:06 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	152352	20.00	ng/ul	0.01
18) Naphthalene-d8	10.62	136	680102	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	386524	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	861412	20.00	ng/ul	0.02
75) Chrysene-d12	21.38	240	766022	20.00	ng/ul	0.02
83) Perylene-d12	23.67	264	742475	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	10743	3.09	ng/uL	0.00
5) Phenol-d5	7.00	99	298081	23.87	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.15	67	176106	24.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	240259	23.06	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	257252	25.14	ng/ul	0.02
19) Nitrobenzene-d5	8.98	128	122883	23.63	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	132660	23.18	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.25	165	259132	24.04	ng/ul	0.02
29) 4-Chloroaniline-d4	10.75	131	309731	28.69	ng/ul	0.01
43) Dimethylphthalate-d6	13.86	166	788739	25.00	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	1040662	26.38	ng/ul	0.01
51) 4-Nitrophenol-d4	14.67	143	129842	21.76	ng/ul	0.02
57) Fluorene-d10	15.45	176	719314	26.20	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.59	200	24014	4.85	ng/ul	0.03
70) Anthracene-d10	17.30	188	1128920	27.51	ng/ul	0.02
76) Pyrene-d10	19.60	212	1185003	34.16	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.53	264	939901	27.11	ng/ul	0.03

Target Compounds

						Qvalue
6) Phenol	7.03	94	14774	1.15	ng/ul	97
16) 4-Methylphenol	8.60	108	11013	1.04	ng/ul	86
28) Naphthalene	10.66	128	466049	13.64	ng/ul	100
34) 2-Methylnaphthalene	12.27	142	149202	5.97	ng/ul	100
40) 1,1'-Biphenyl	13.29	154	103597	3.19	ng/ul	98
44) Dimethylphthalate	13.91	163	222273	7.13	ng/ul	100
47) Acenaphthylene	14.18	152	889662	22.20	ng/ul	97
49) Acenaphthene	14.52	153	199771	7.56	ng/ul	98
53) Dibenzofuran	14.86	168	276990	7.34	ng/ul	97
58) Fluorene	15.51	166	629433	20.84	ng/ul	99
69) Phenanthrene	17.25	178	5186988	107.74	ng/ul	98
71) Anthracene	17.34	178	1465275	29.86	ng/ul	100
72) Carbazole	17.60	167	159142	3.74	ng/ul#	92
74) Fluoranthene	19.27	202	6467001	119.34	ng/ul	100
77) Pyrene	19.63	202	6950666	157.84	ng/ul	99
80) Benzo(a)anthracene	21.37	228	2297318	51.02	ng/ul#	87
82) Chrysene	21.42	228	2413184	56.33	ng/ul	96
85) Benzo(b)fluoranthene	22.99	252	2111512	48.22	ng/ul#	94
86) Benzo(k)fluoranthene	23.02	252	709363m	17.11	ng/ul	
88) Benzo(a)pyrene	23.58	252	2014982	47.43	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	26.00	276	1123190	22.26	ng/ul	99
90) Dibenz(a,h)anthracene	26.00	278	266071	6.33	ng/ul#	84
91) Benzo(g,h,i)perylene	26.72	276	1114599	26.27	ng/ul	96

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

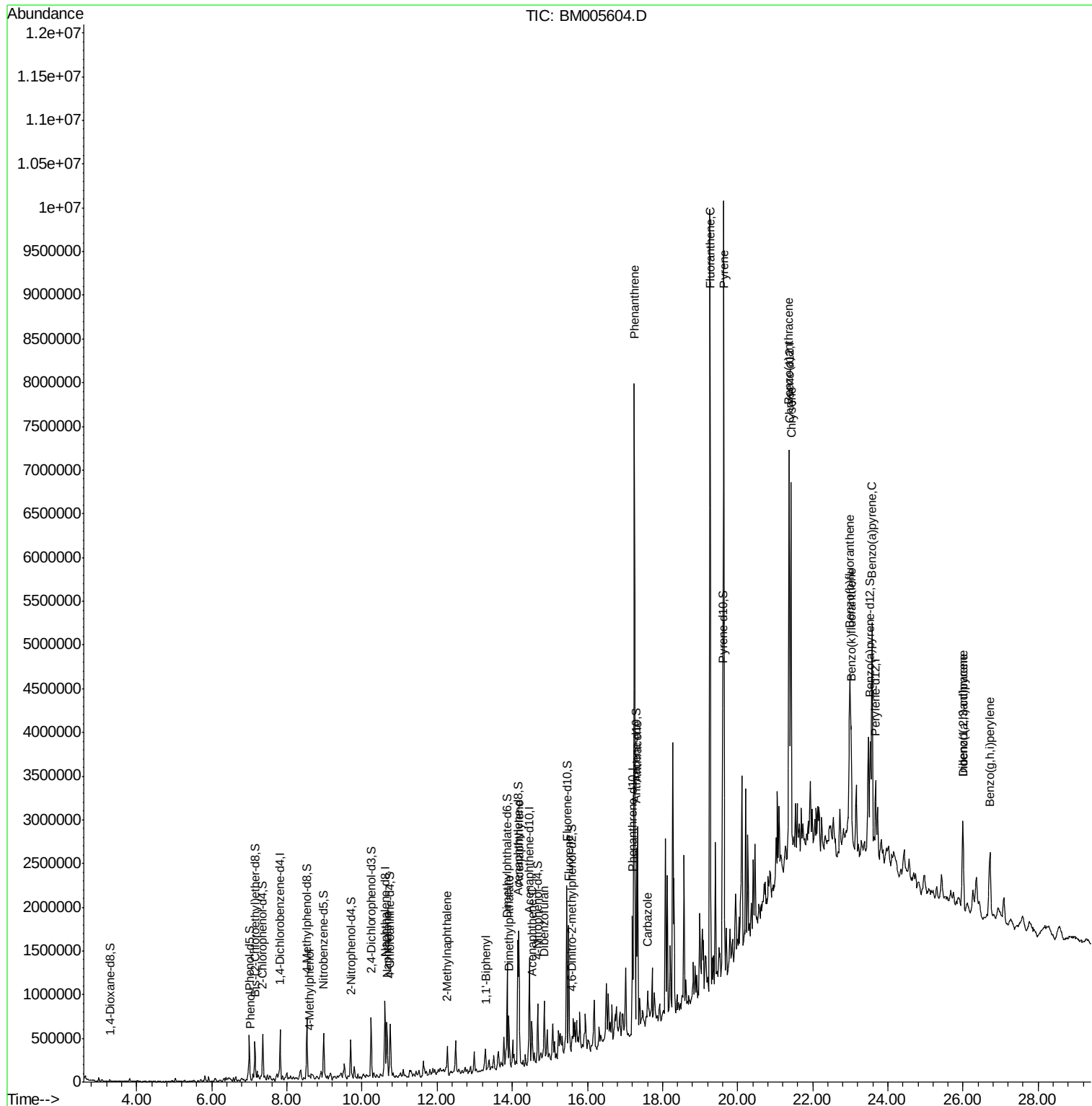
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005604.D
Acq On : 23 May 2016 01:42
Operator : UM/SJ
Sample : H3086-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

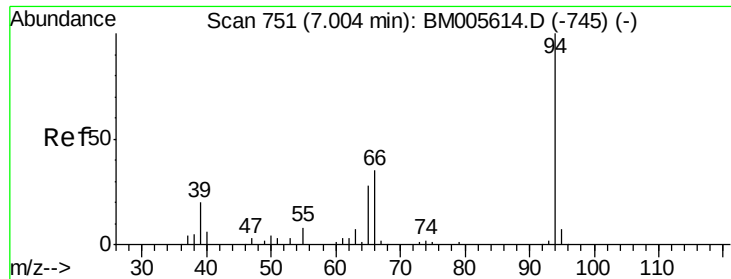
Instrument :
BNA_M
ClientSampled :
JHGL2

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Quant Time: May 23 08:04:06 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration





#6

Phenol

Concen: 1.15 ng/ul

RT: 7.03 min Scan# 755

Delta R.T. 0.02 min

Lab File: BM005604.D

Acq: 23 May 2016 01:42

Instrument :

BNA_M

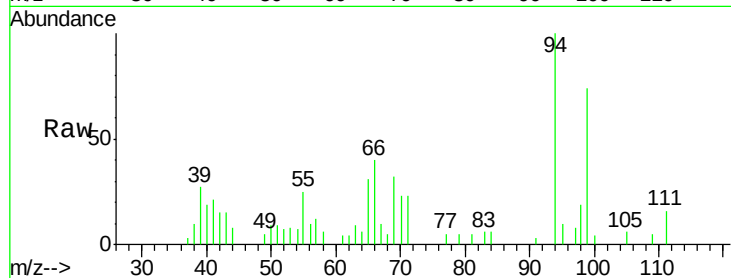
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JHGL2

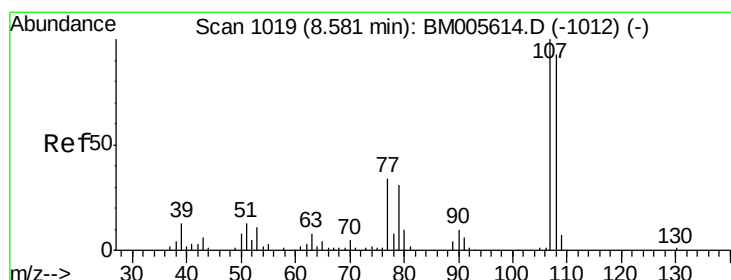
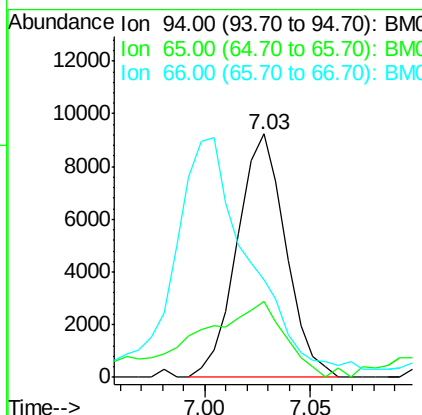
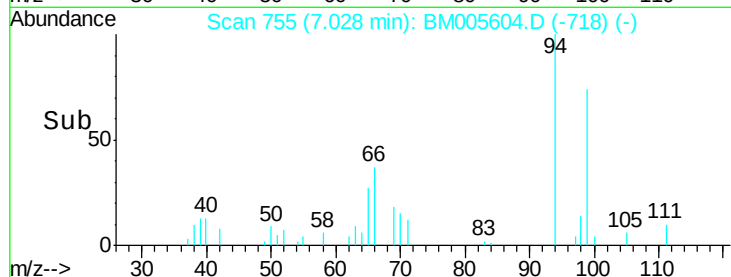
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Tgt Ion:	94	Resp:	14774
Ion Ratio	Lower	Upper	
94	100		
65	31.2	24.2	36.2
66	40.3	33.9	50.9



#16

4-Methylphenol

Concen: 1.04 ng/ul

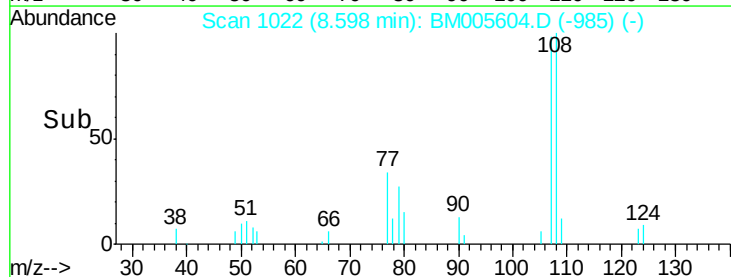
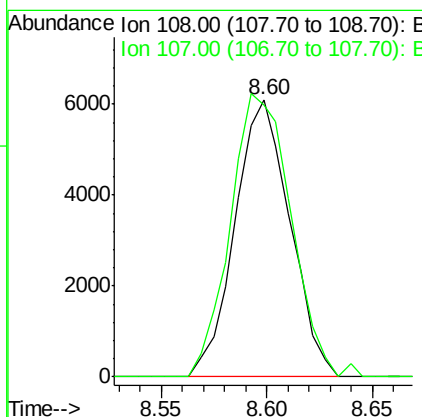
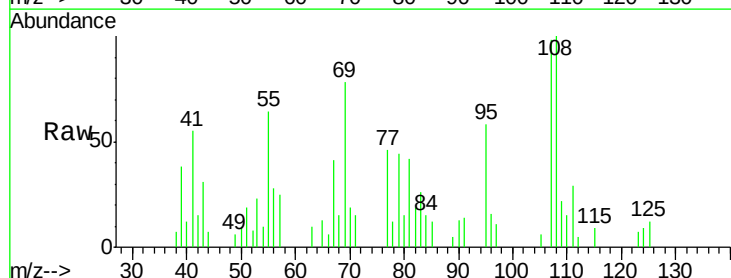
RT: 8.60 min Scan# 1022

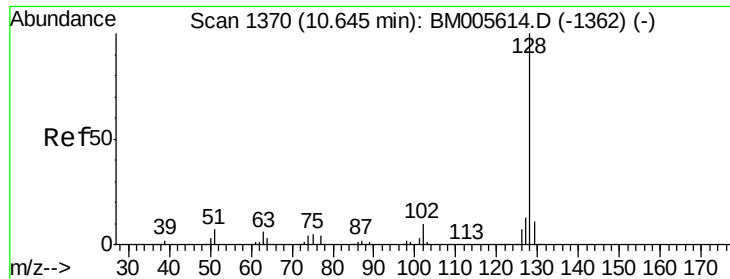
Delta R.T. 0.02 min

Lab File: BM005604.D

Acq: 23 May 2016 01:42

Tgt Ion:	108	Resp:	11013
Ion Ratio	Lower	Upper	
108	100		
107	98.0	90.3	135.5





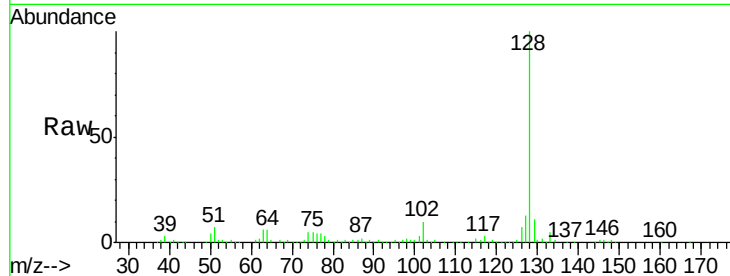
#28
Naphthalene
Concen: 13.64 ng/ul
RT: 10.66 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BM005604.D
Acq: 23 May 2016 01:42

Instrument :
BNA_M
ClientSampleId :
JHGL2

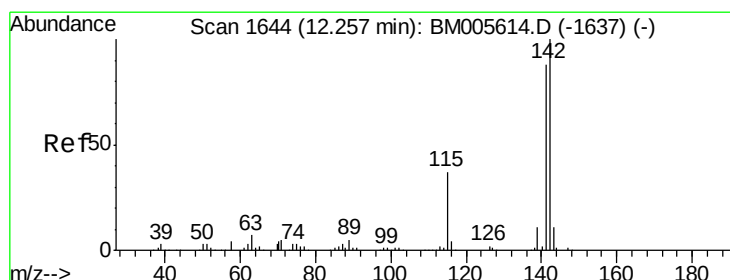
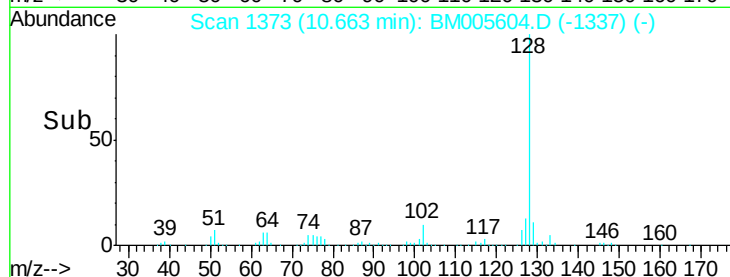
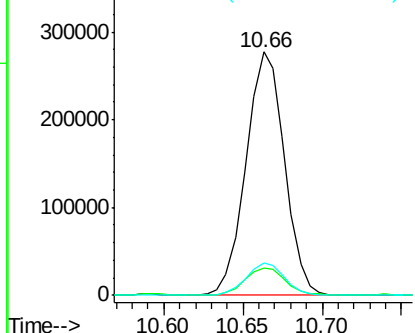
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.2	10.6	15.8

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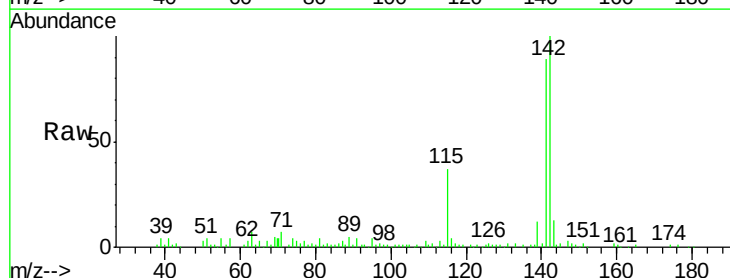


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

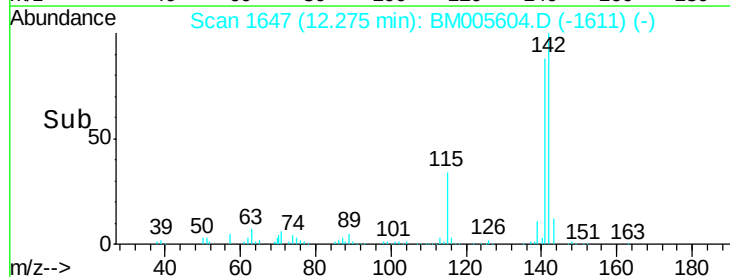
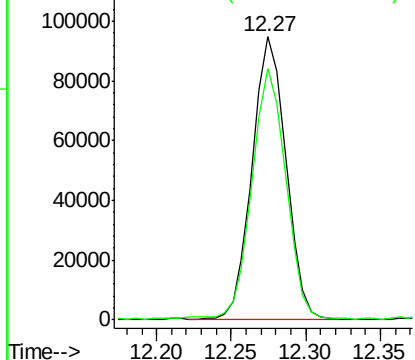


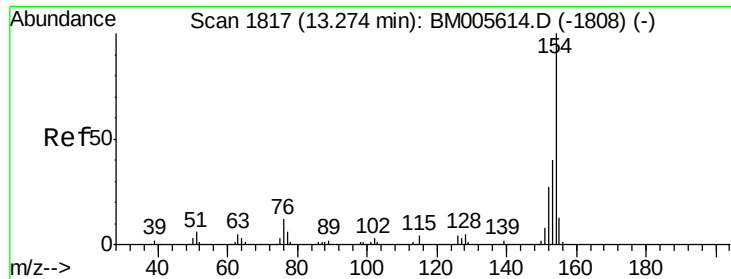
#34
2-Methylnaphthalene
Concen: 5.97 ng/ul
RT: 12.27 min Scan# 1647
Delta R.T. 0.01 min
Lab File: BM005604.D
Acq: 23 May 2016 01:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.6	106.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





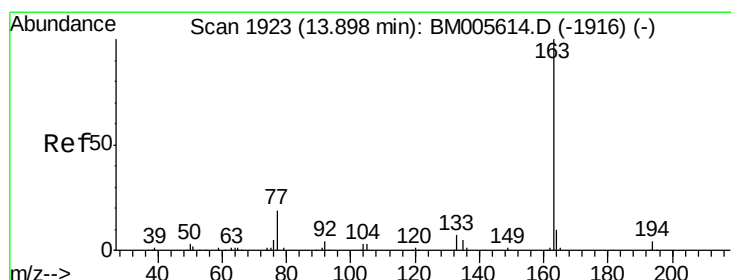
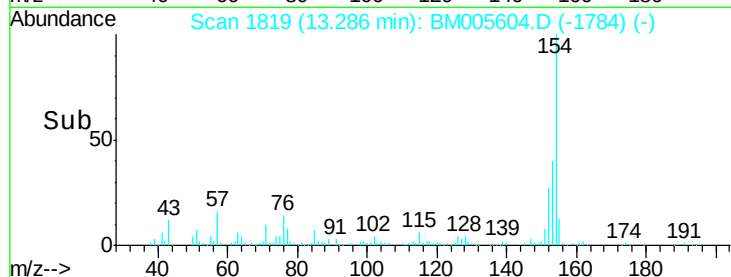
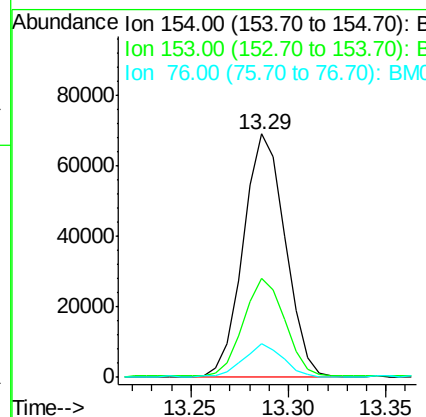
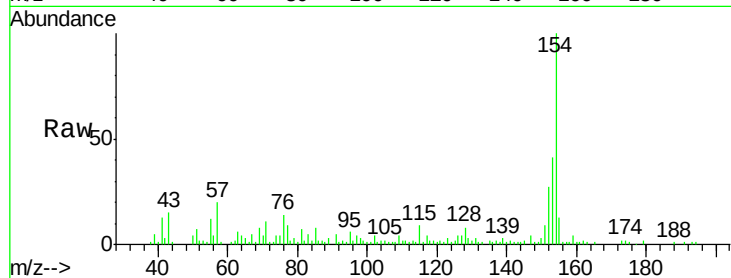
#40
 1,1'-Biphenyl
 Concen: 3.19 ng/ul
 RT: 13.29 min Scan# 1819
 Delta R.T. 0.01 min
 Lab File: BM005604.D
 Acq: 23 May 2016 01:42

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2

Tgt Ion:	154	Resp:	103597
Ion Ratio	Lower	Upper	
154	100		
153	40.9	31.7	47.5
76	14.0	10.1	15.1

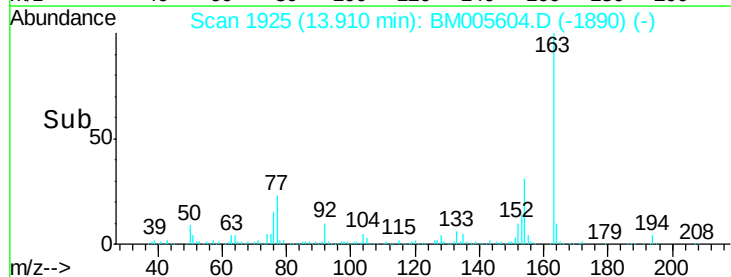
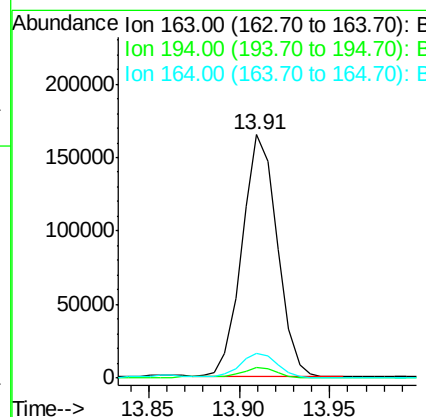
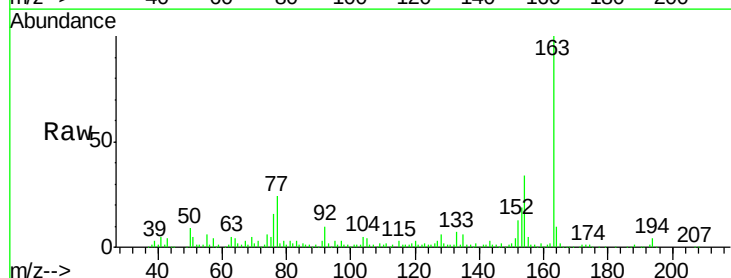
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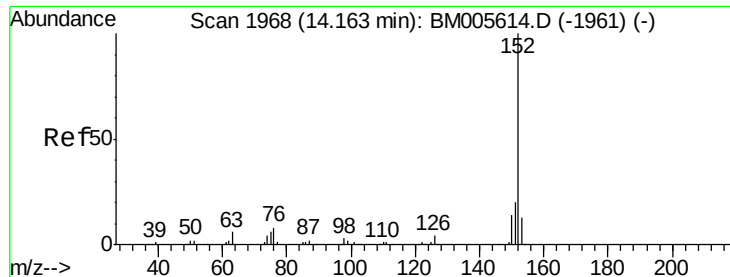
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#44
 Dimethylphthalate
 Concen: 7.13 ng/ul
 RT: 13.91 min Scan# 1925
 Delta R.T. 0.01 min
 Lab File: BM005604.D
 Acq: 23 May 2016 01:42

Tgt Ion:	163	Resp:	222273
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.0
164	10.2	8.0	12.0





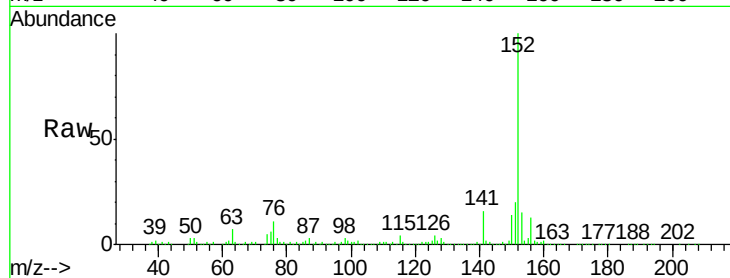
#47
Acenaphthylene
Concen: 22.20 ng/ul
RT: 14.18 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BM005604.D
Acq: 23 May 2016 01:42

Instrument :
BNA_M
ClientSampleId :
JHGL2

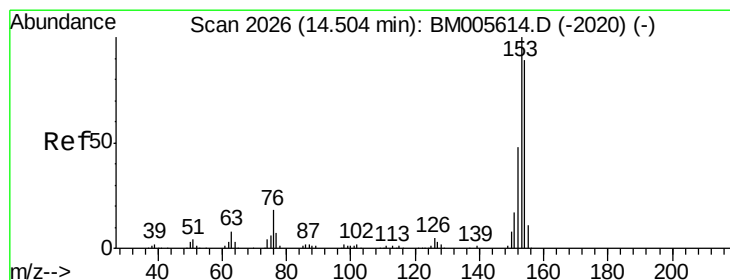
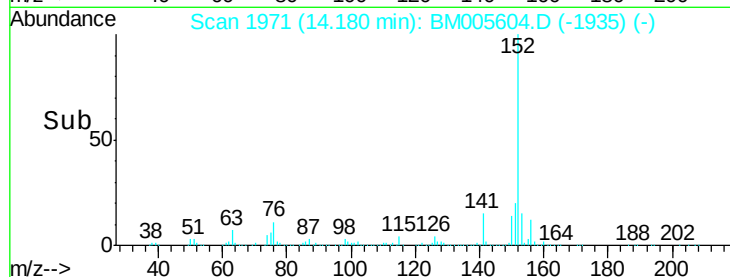
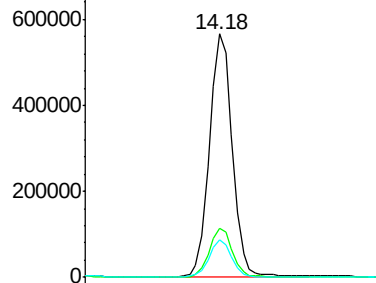
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	889662		
151	20.2		15.7	23.5
153	15.2		10.5	15.7

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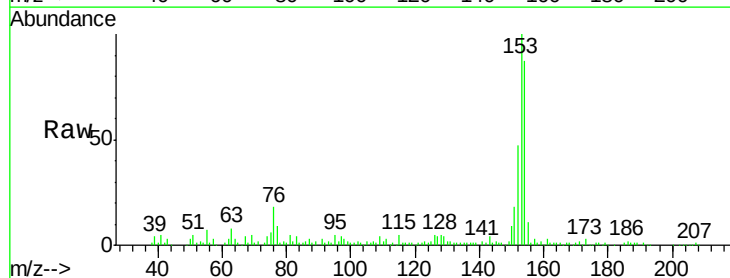


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

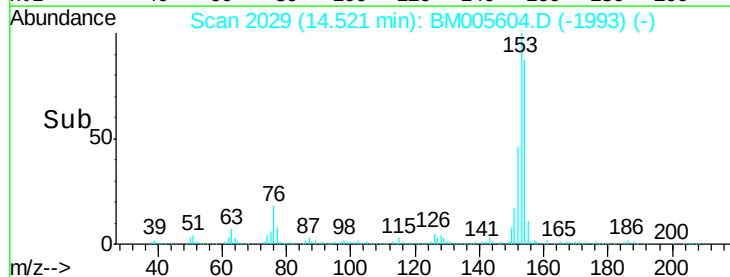
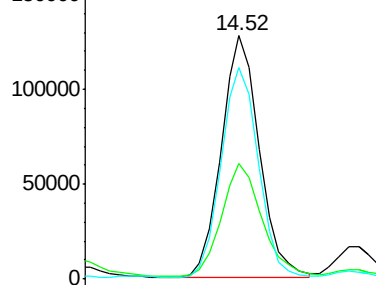


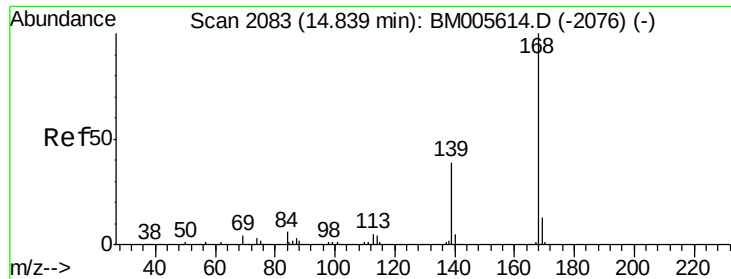
#49
Acenaphthene
Concen: 7.56 ng/ul
RT: 14.52 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BM005604.D
Acq: 23 May 2016 01:42

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	199771		
152	47.4		37.8	56.6
154	86.7		71.1	106.7



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





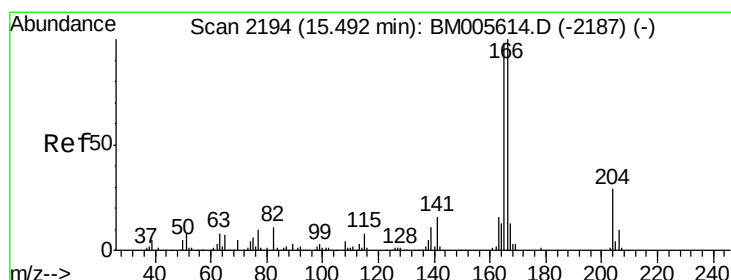
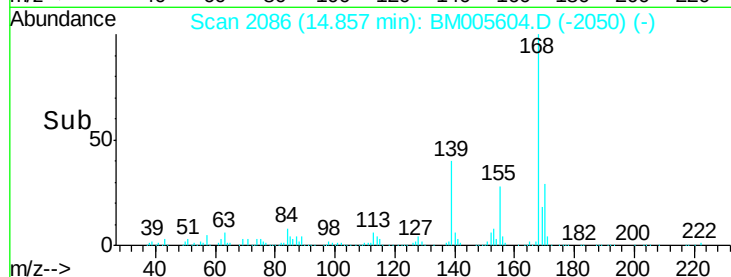
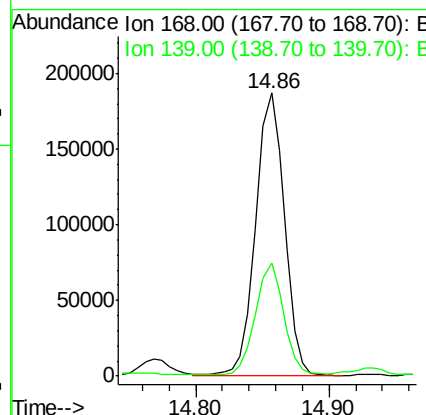
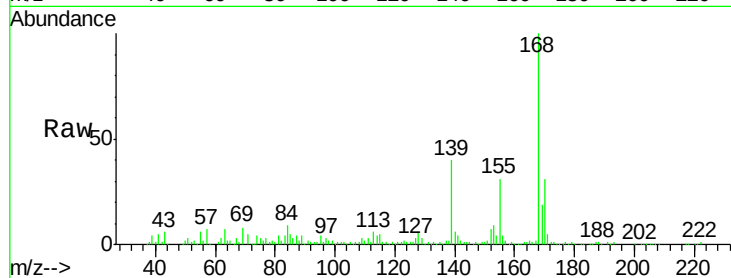
#53
Dibenzenofuran
Concen: 7.34 ng/ul
RT: 14.86 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BM005604.D
Acq: 23 May 2016 01:42

Instrument :
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.1	30.6	46.0

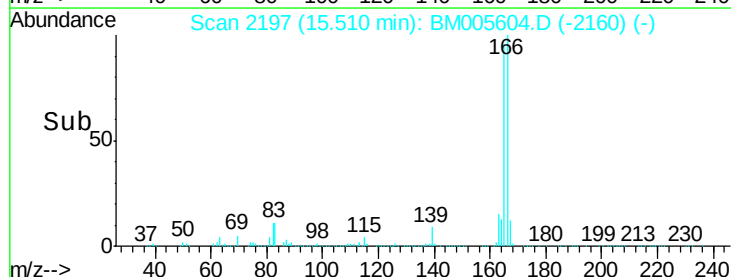
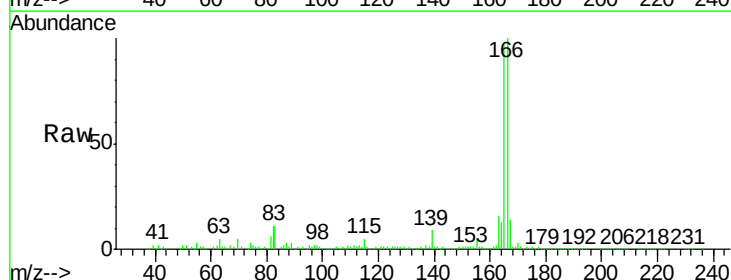
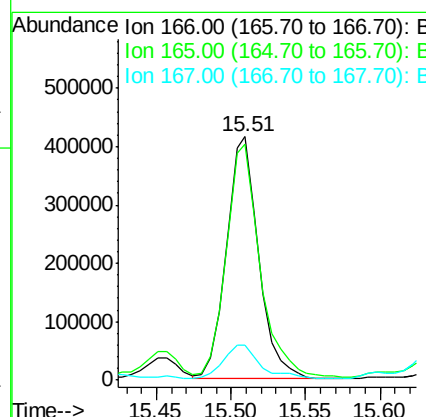
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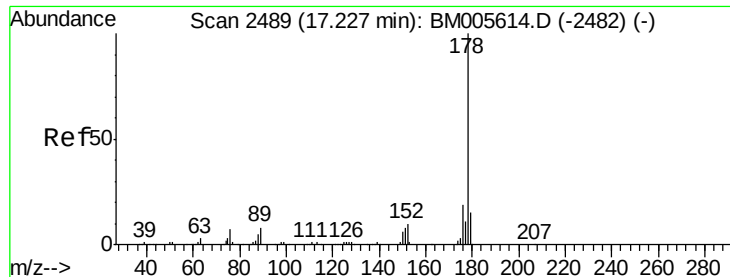
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#58
Fluorene
Concen: 20.84 ng/ul
RT: 15.51 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BM005604.D
Acq: 23 May 2016 01:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.0	117.0
167	14.3	10.5	15.7





#69

Phenanthrene

Concen: 107.74 ng/ul

RT: 17.25 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BM005604.D

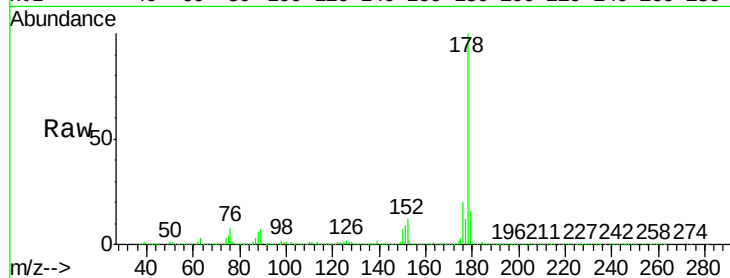
Acq: 23 May 2016 01:42

Instrument :

BNA_M

ClientSampleId :

JHGL2



Tgt Ion:178 Resp: 5186988

Ion Ratio Lower Upper

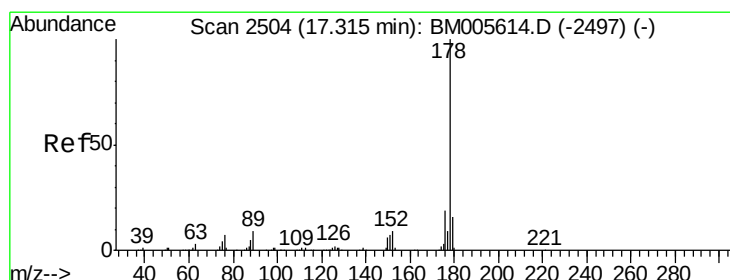
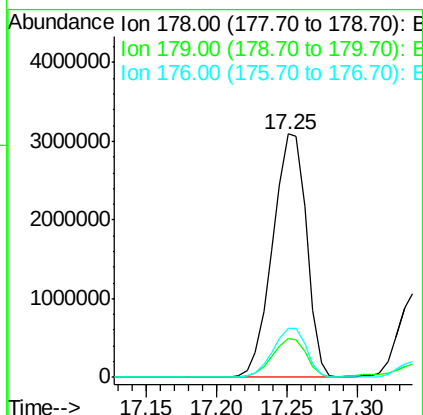
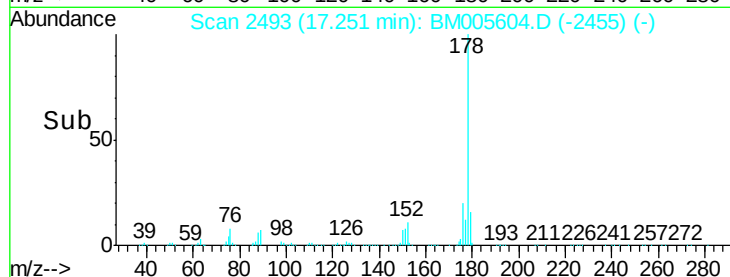
178 100

179 16.0 12.2 18.2

176 20.2 15.8 23.6

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#71

Anthracene

Concen: 29.86 ng/ul

RT: 17.34 min Scan# 2508

Delta R.T. 0.02 min

Lab File: BM005604.D

Acq: 23 May 2016 01:42

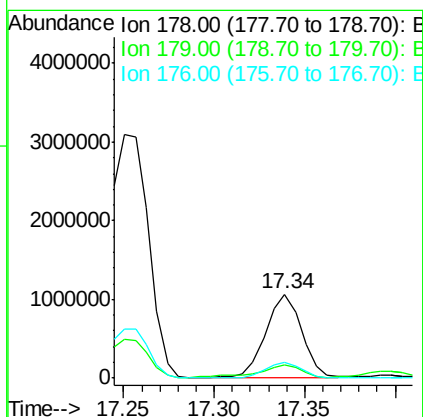
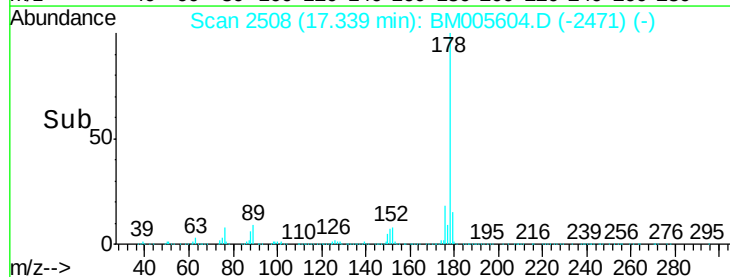
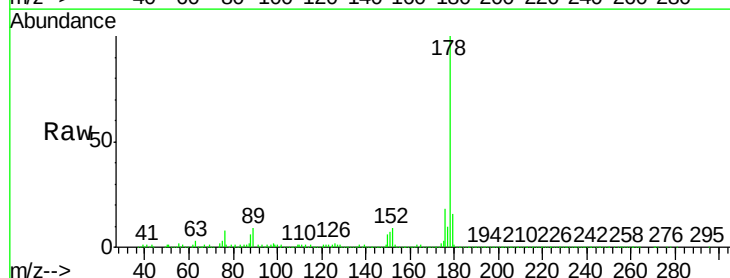
Tgt Ion:178 Resp: 1465275

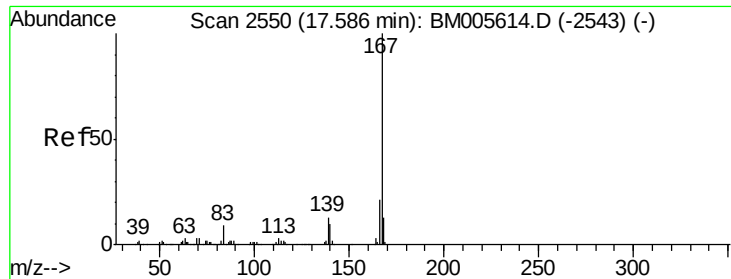
Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

176 18.4 15.0 22.4





#72

Carbazole

Concen: 3.74 ng/ul

RT: 17.60 min Scan# 2553

Delta R.T. 0.01 min

Lab File: BM005604.D

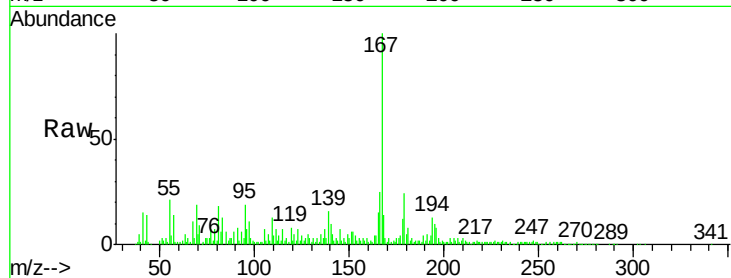
Acq: 23 May 2016 01:42

Instrument :

BNA_M

ClientSampleId :

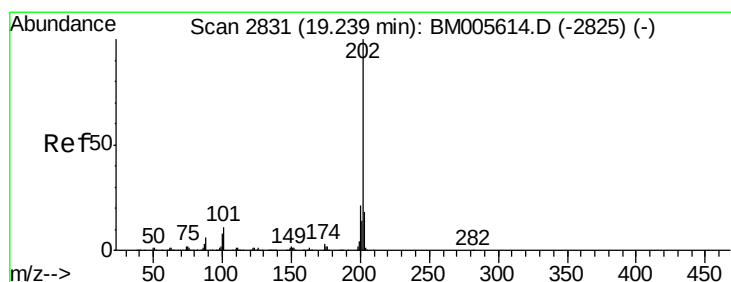
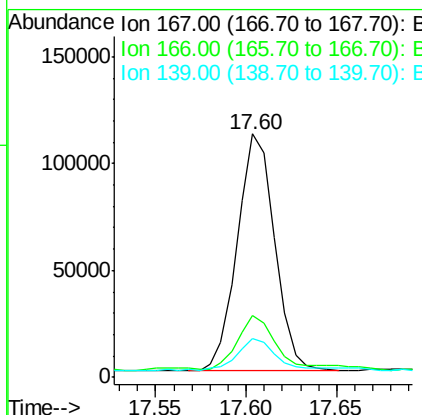
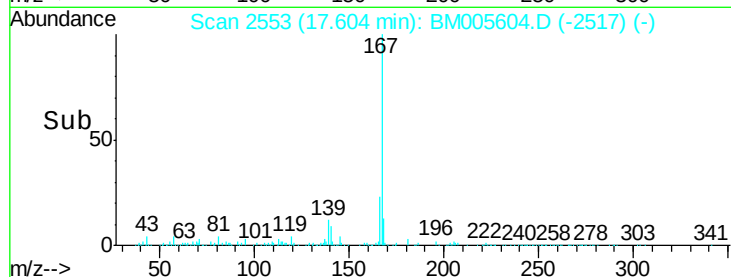
JHGL2



Tgt Ion:	167	Resp:	159142
Ion Ratio	Lower	Upper	
167	100		
166	25.5	16.9	25.3#
139	15.8	10.6	16.0

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#74

Fluoranthene

Concen: 119.34 ng/ul

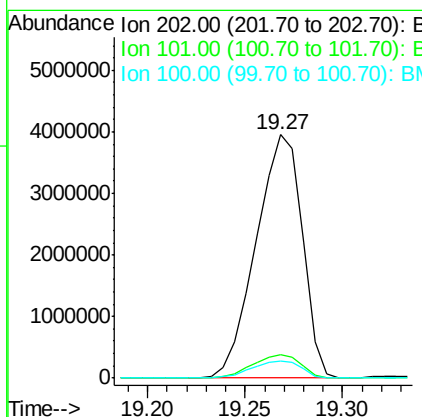
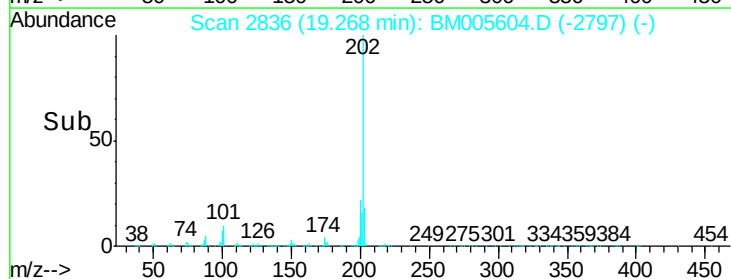
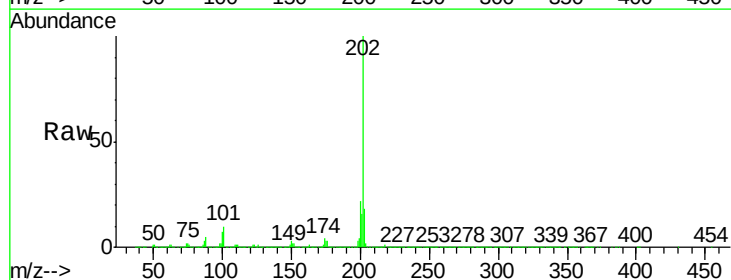
RT: 19.27 min Scan# 2836

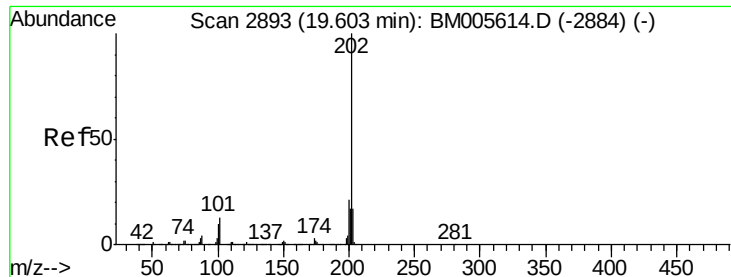
Delta R.T. 0.03 min

Lab File: BM005604.D

Acq: 23 May 2016 01:42

Tgt Ion:	202	Resp:	6467001
Ion Ratio	Lower	Upper	
202	100		
101	9.8	7.9	11.9
100	7.1	5.6	8.4





#77

Pyrene

Concen: 157.84 ng/ul

RT: 19.63 min Scan# 2898

Delta R.T. 0.03 min

Lab File: BM005604.D

Acq: 23 May 2016 01:42

Instrument :

BNA_M

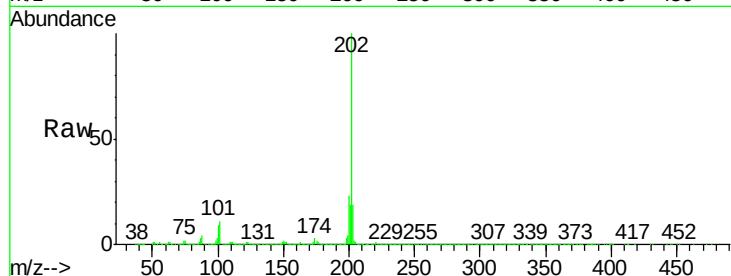
ClientSampled :

JHGL2

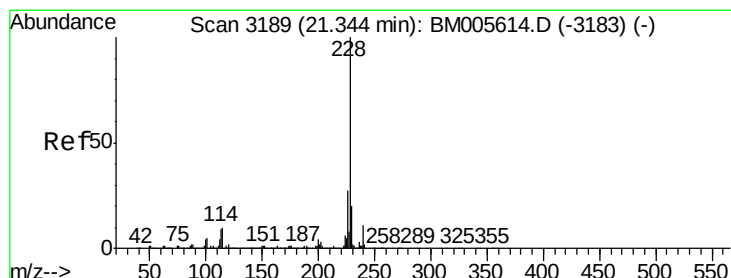
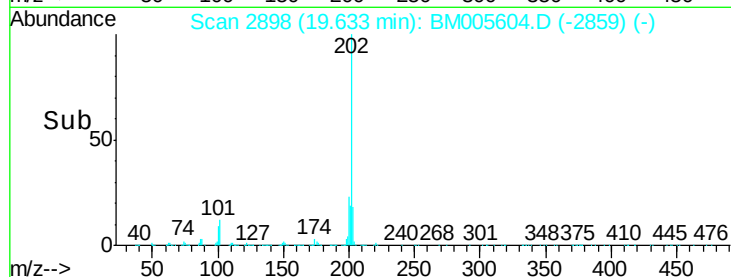
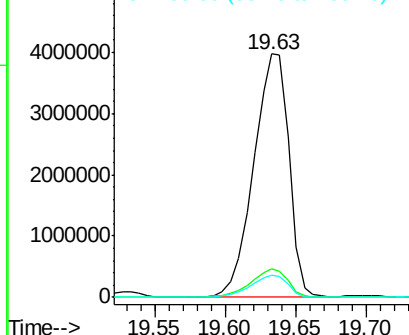
Tgt Ion:	202	Resp:	6950666
Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.6	14.4
100	9.1	7.8	11.6

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



#80

Benzo(a)anthracene

Concen: 51.02 ng/ul

RT: 21.37 min Scan# 3193

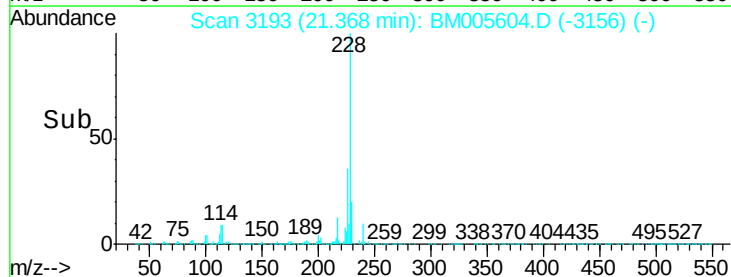
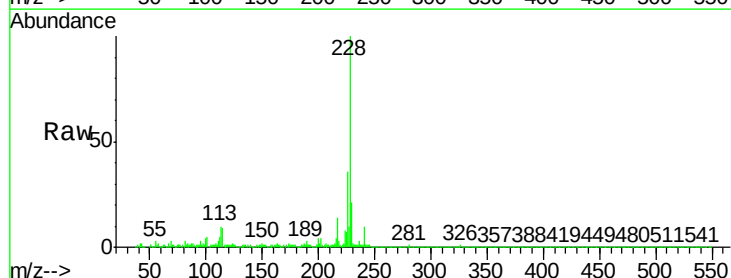
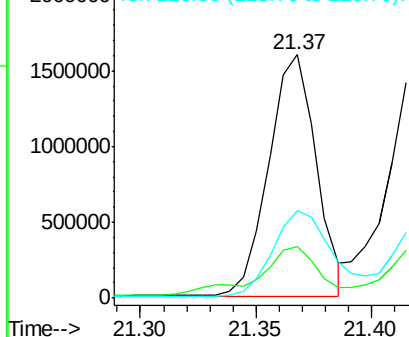
Delta R.T. 0.02 min

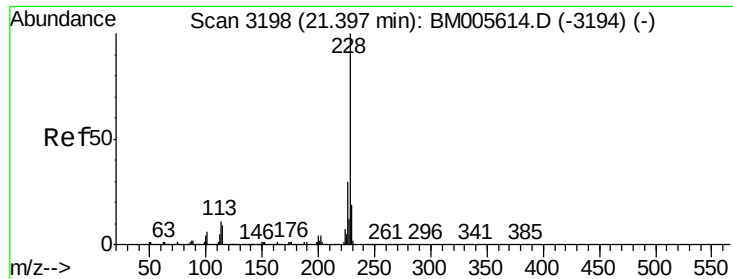
Lab File: BM005604.D

Acq: 23 May 2016 01:42

Tgt Ion:	228	Resp:	2297318
Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.4	23.2
226	36.1	21.0	31.4#

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: 56.33 ng/ul

RT: 21.42 min Scan# 3202

Delta R.T. 0.02 min

Lab File: BM005604.D

Acq: 23 May 2016 01:42

Instrument :

BNA_M

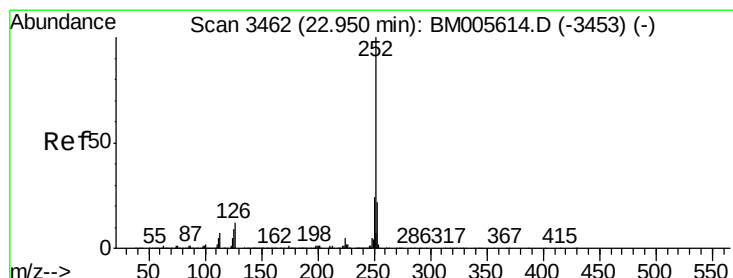
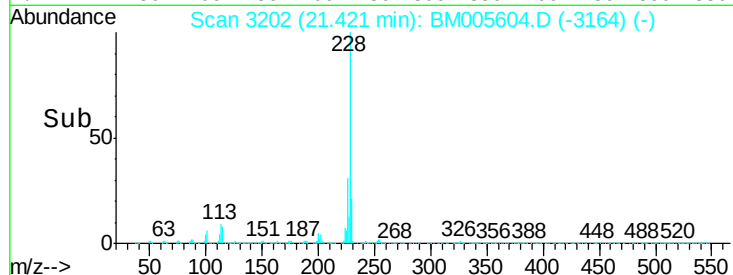
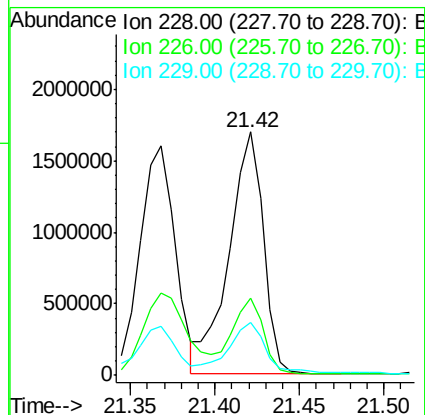
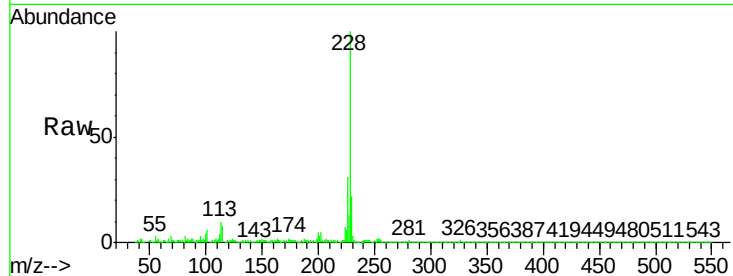
ClientSampleId :

JHGL2

Tgt Ion:	228	Resp:	2413184
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.7	35.5
229	22.0	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 48.22 ng/ul

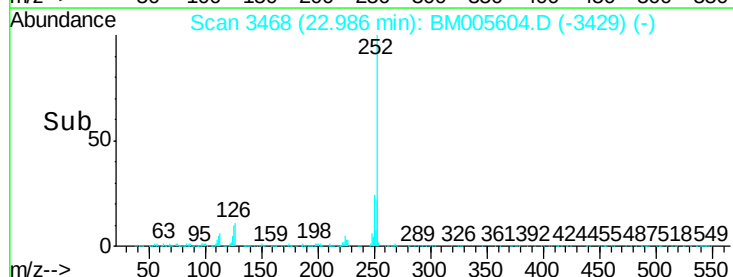
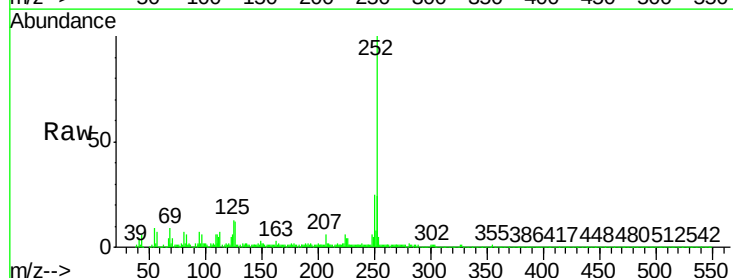
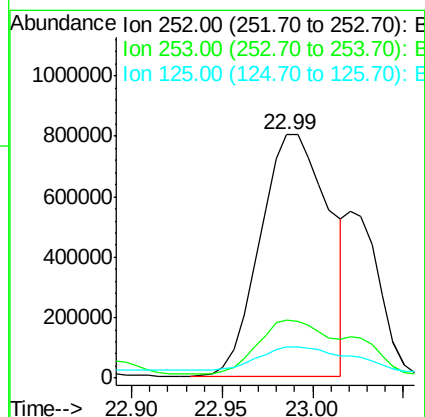
RT: 22.99 min Scan# 3468

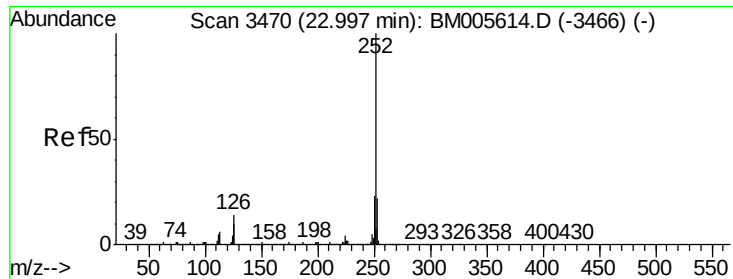
Delta R.T. 0.03 min

Lab File: BM005604.D

Acq: 23 May 2016 01:42

Tgt Ion:	252	Resp:	2111512
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.3	25.9
125	12.6	7.0	10.4#





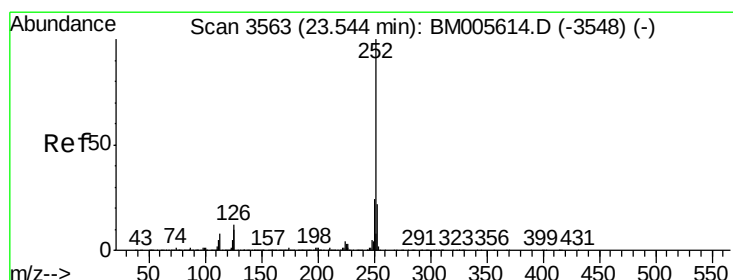
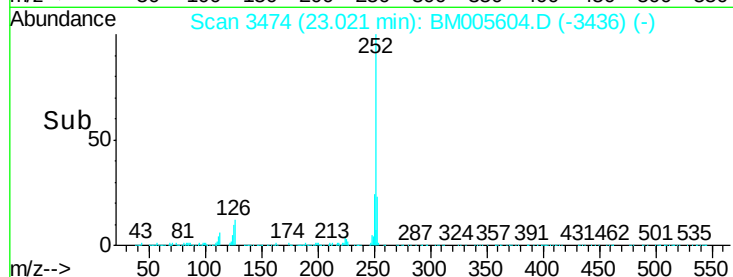
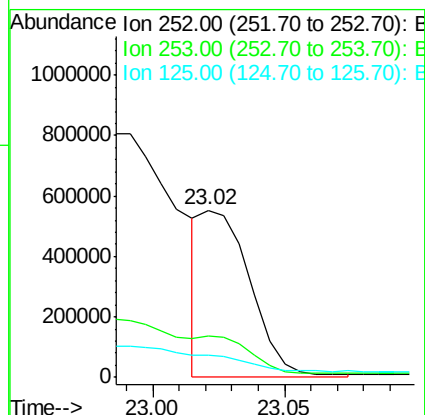
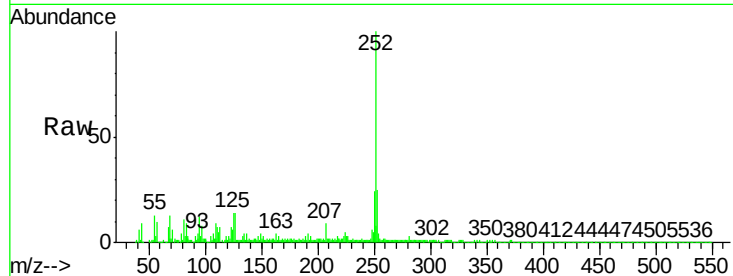
#86
Benzo(k)fluoranthene
Concen: 17.11 ng/ul m
RT: 23.02 min Scan# 3474
Delta R.T. 0.02 min
Lab File: BM005604.D
Acq: 23 May 2016 01:42

Instrument :
BNA_M
ClientSampleId :
JHGL2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	13.5	7.0	10.6

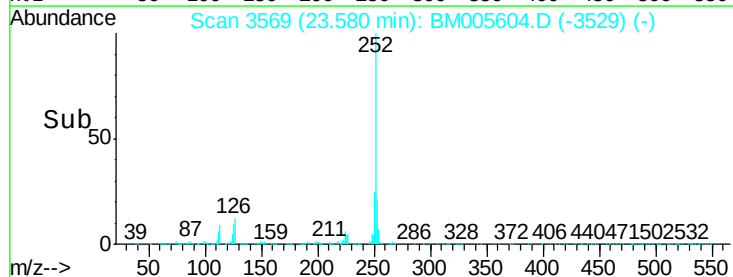
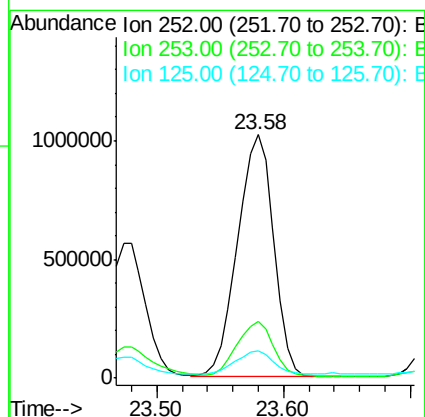
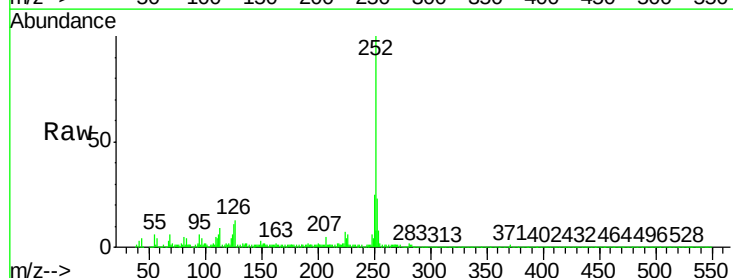
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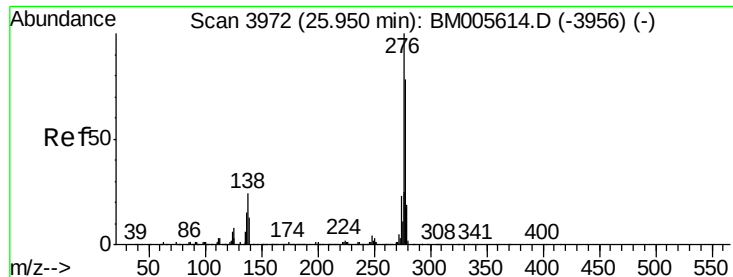
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#88
Benzo(a)pyrene
Concen: 47.43 ng/ul
RT: 23.58 min Scan# 3569
Delta R.T. 0.04 min
Lab File: BM005604.D
Acq: 23 May 2016 01:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	11.3	7.6	11.4





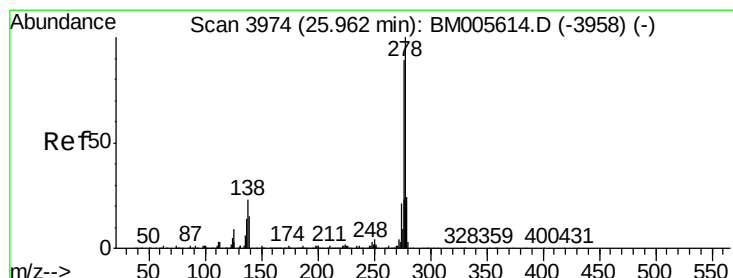
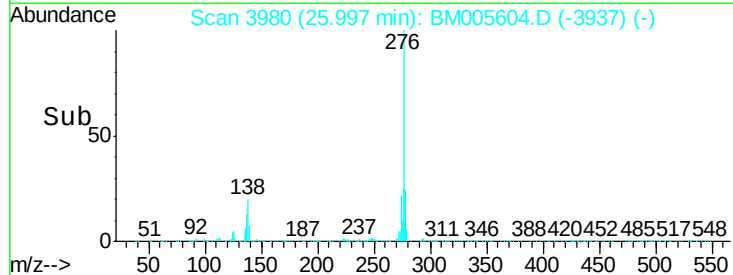
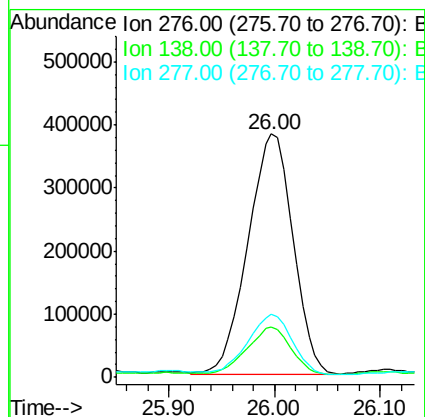
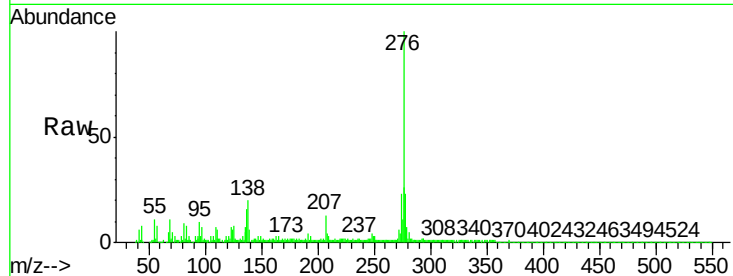
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 22.26 ng/ul
 RT: 26.00 min Scan# 3980
 Delta R.T. 0.05 min
 Lab File: BM005604.D
 Acq: 23 May 2016 01:42

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.9	25.3
277	26.1	20.2	30.4

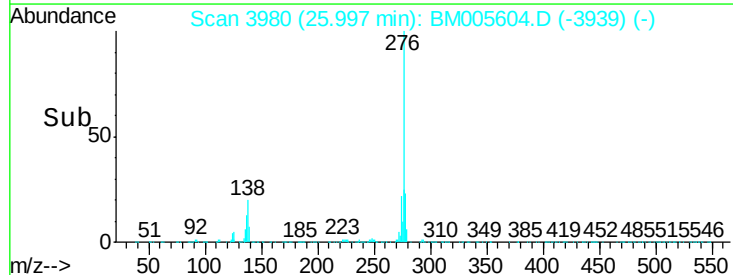
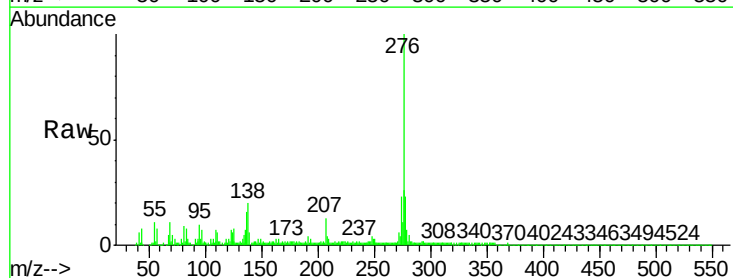
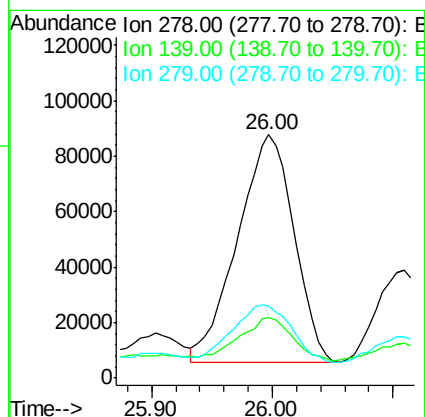
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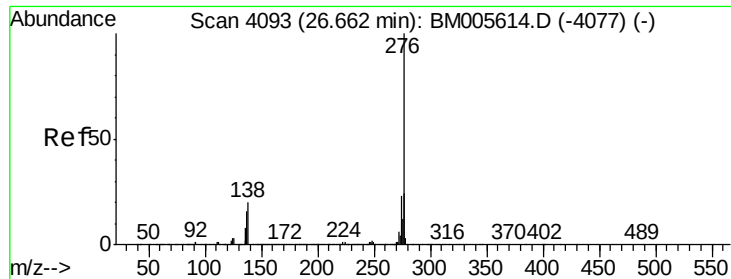
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#90
 Dibenzo(a,h)anthracene
 Concen: 6.33 ng/ul
 RT: 26.00 min Scan# 3980
 Delta R.T. 0.04 min
 Lab File: BM005604.D
 Acq: 23 May 2016 01:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.1	11.8	17.6#
279	29.4	19.4	29.2#





#91

Benzo(g,h,i)perylene

Concen: 26.27 ng/ul

RT: 26.72 min Scan# 4103

Delta R.T. 0.06 min

Lab File: BM005604.D

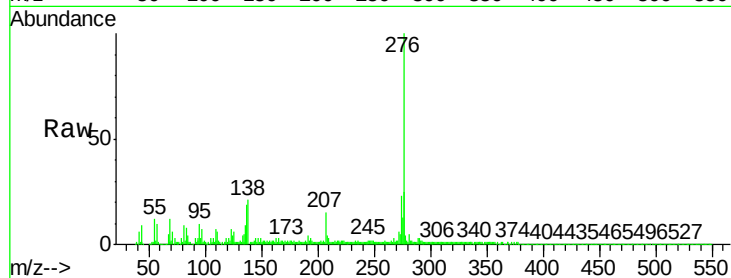
Acq: 23 May 2016 01:42

Instrument :

BNA_M

ClientSampleId :

JHGL2



Tgt Ion: 276 Resp: 1114599

Ion Ratio Lower Upper

276 100

138 20.7 15.0 22.6

277 25.1 18.6 28.0

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