

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005639.D
 Acq On : 24 May 2016 10:46
 Operator : UM/SJ
 Sample : H3086-18DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 JHGL2DL

Manual Integrations
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Quant Time: May 24 14:34:32 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	134564	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	594264	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.45	164	330665	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	708982	20.00	ng/ul	0.01
75) Chrysene-d12	21.38	240	652768	20.00	ng/ul	0.02
83) Perylene-d12	23.67	264	664352	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	1790	0.58	ng/uL	0.00
5) Phenol-d5	7.00	99	46169	4.19	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.14	67	27675	4.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	38577	4.19	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	38906	4.30	ng/ul	0.02
19) Nitrobenzene-d5	8.97	128	19300	4.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	17820	3.56	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	39170	4.16	ng/ul	0.02
29) 4-Chloroaniline-d4	10.75	131	47442	5.03	ng/ul	0.01
43) Dimethylphthalate-d6	13.86	166	121170	4.49	ng/ul	0.01
46) Acenaphthylene-d8	14.14	160	158857	4.71	ng/ul	0.01
51) 4-Nitrophenol-d4	14.69	143	12807	2.51	ng/ul	0.04
57) Fluorene-d10	15.44	176	111541	4.75	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.59	200	362	0.09	ng/ul	0.03
70) Anthracene-d10	17.30	188	171177	5.07	ng/ul	0.02
76) Pyrene-d10	19.59	212	169380	5.73	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.53	264	150104	4.84	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.66	128	73503	2.46	ng/ul	98
34) 2-Methylnaphthalene	12.27	142	22912	1.05	ng/ul	98
44) Dimethylphthalate	13.90	163	33779	1.27	ng/ul	99
47) Acenaphthylene	14.17	152	143318	4.18	ng/ul	97
49) Acenaphthene	14.52	153	31611	1.40	ng/ul	96
53) Dibenzofuran	14.85	168	41165	1.28	ng/ul	98
58) Fluorene	15.50	166	94792	3.67	ng/ul	98
69) Phenanthrene	17.24	178	929353	23.45	ng/ul	98
71) Anthracene	17.33	178	222235	5.50	ng/ul	100
74) Fluoranthene	19.26	202	1130455	25.35	ng/ul	98
77) Pyrene	19.62	202	1209765	32.24	ng/ul	100
80) Benzo(a)anthracene	21.36	228	354675	9.24	ng/ul	93
82) Chrysene	21.41	228	360958	9.89	ng/ul	96
85) Benzo(b)fluoranthene	22.99	252	350325	8.94	ng/ul#	90
86) Benzo(k)fluoranthene	23.02	252	96428m	2.60	ng/ul	
88) Benzo(a)pyrene	23.57	252	341132	8.97	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	26.00	276	186483	4.13	ng/ul	96
90) Dibenzo(a,h)anthracene	26.00	278	44363	1.18	ng/ul#	58
91) Benzo(g,h,i)perylene	26.71	276	184562	4.86	ng/ul	95

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

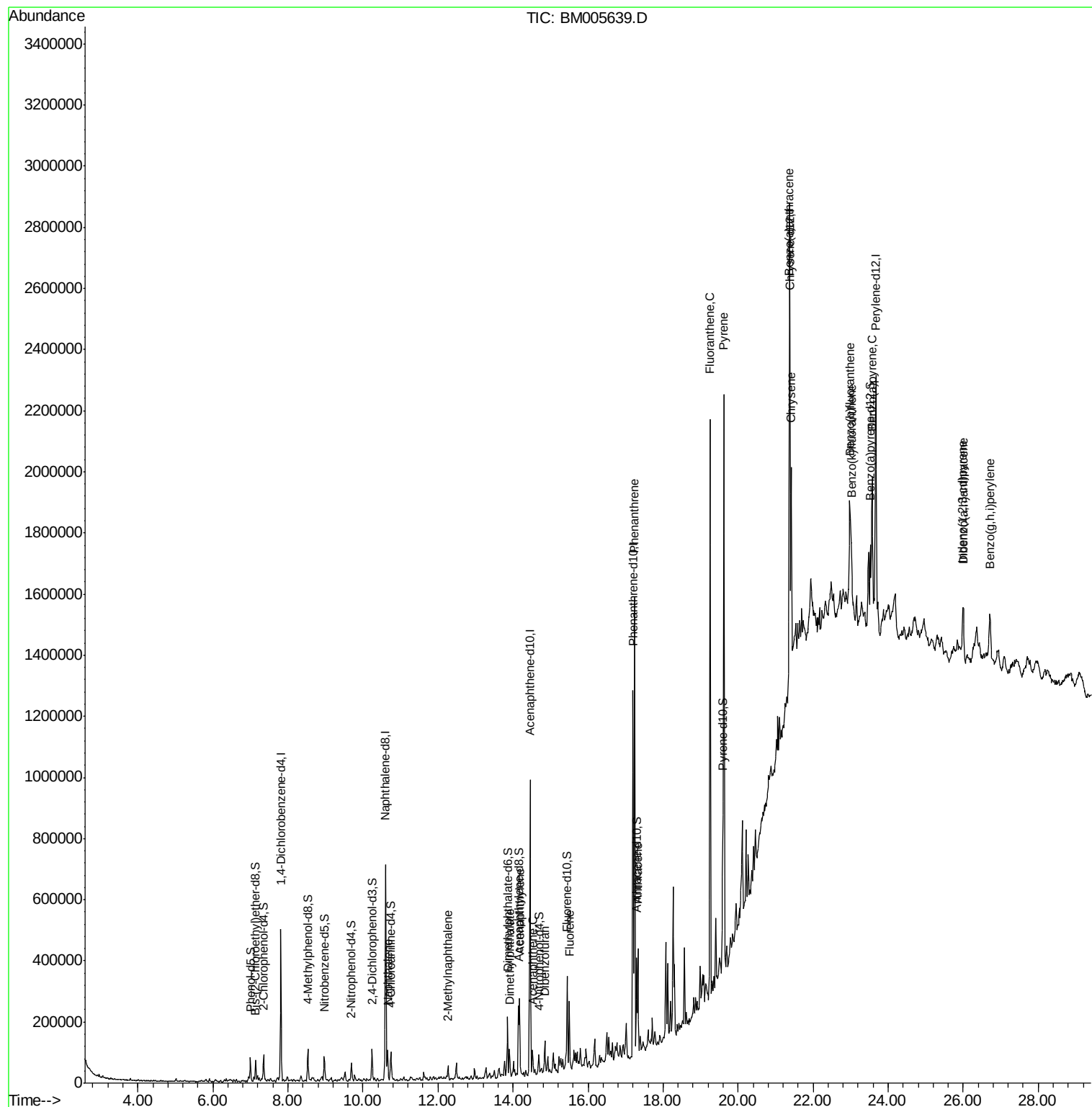
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005639.D
Acq On : 24 May 2016 10:46
Operator : UM/SJ
Sample : H3086-18DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

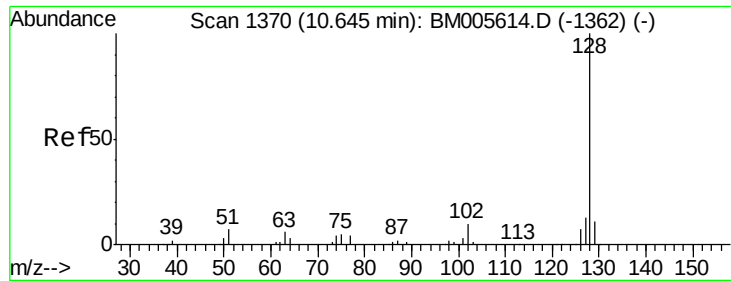
Instrument :
BNA_M
ClientSampleId :
JHGL2DL

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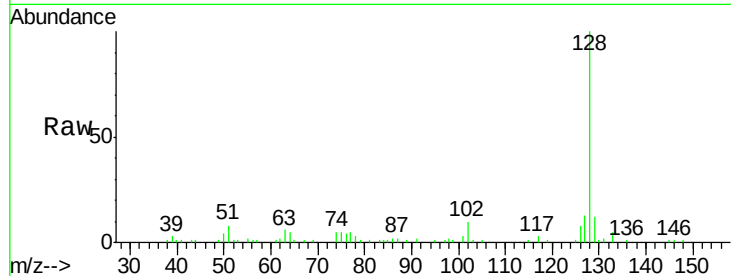
Quant Time: May 24 14:34:32 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration





#28
Naphthalene
Concen: 2.46 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BM005639.D
Acq: 24 May 2016 10:46

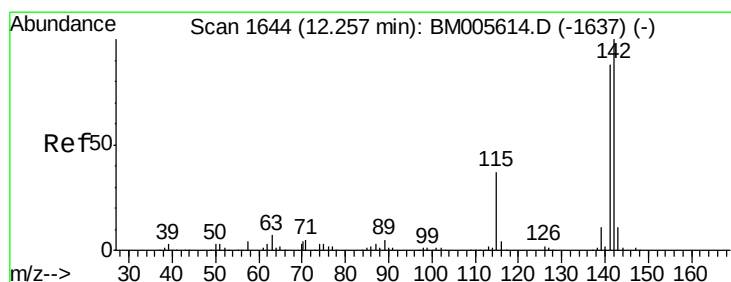
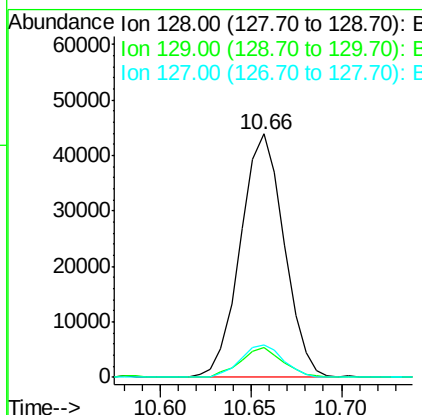
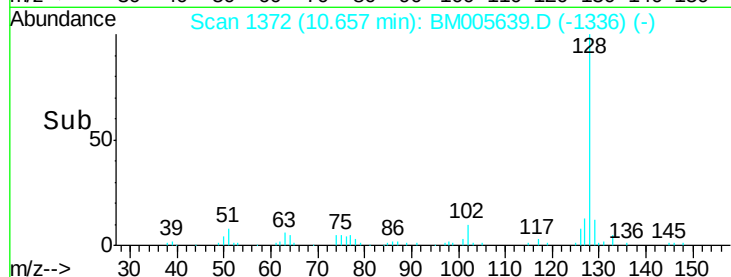
Instrument :
BNA_M
ClientSampleId :
JHGL2DL



Tgt Ion	Ratio	Resp	Lower	Upper
128	100	73503		
129	12.1		8.6	13.0
127	13.2		10.6	15.8

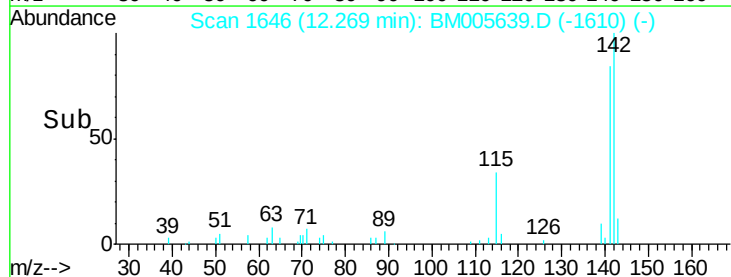
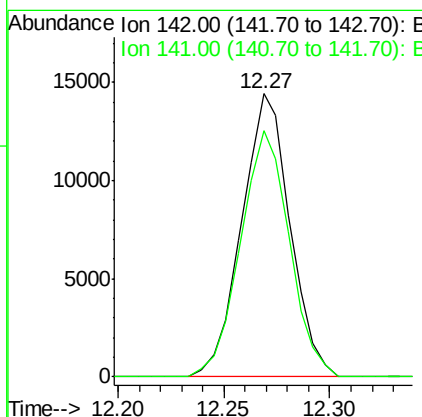
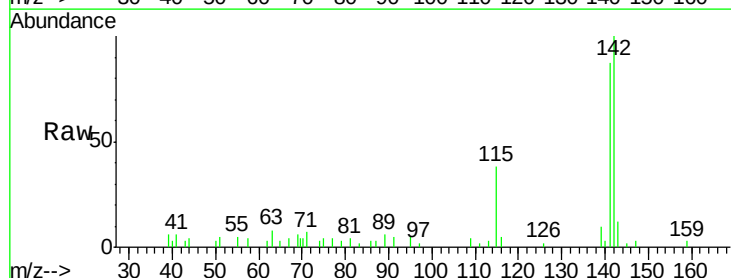
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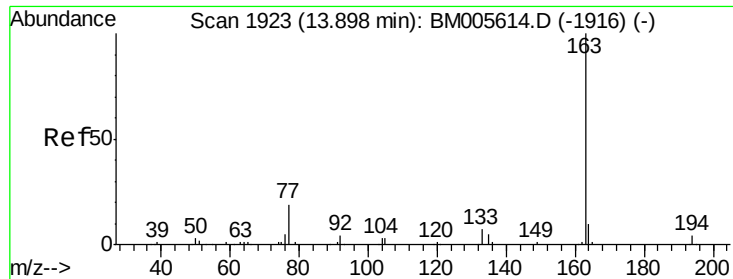
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#34
2-Methylnaphthalene
Concen: 1.05 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. 0.01 min
Lab File: BM005639.D
Acq: 24 May 2016 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	22912		
141	86.8		70.6	106.0





#44

Dimethylphthalate

Concen: 1.27 ng/ul

RT: 13.90 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BM005639.D

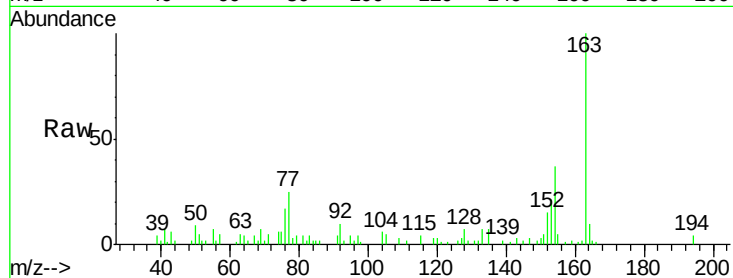
Acq: 24 May 2016 10:46

Instrument :

BNA_M

ClientSampleId :

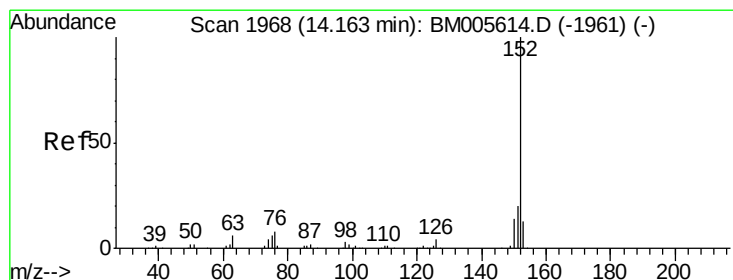
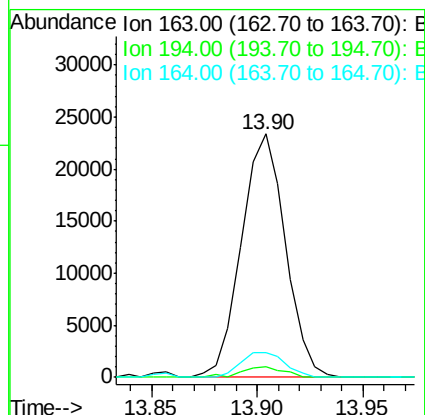
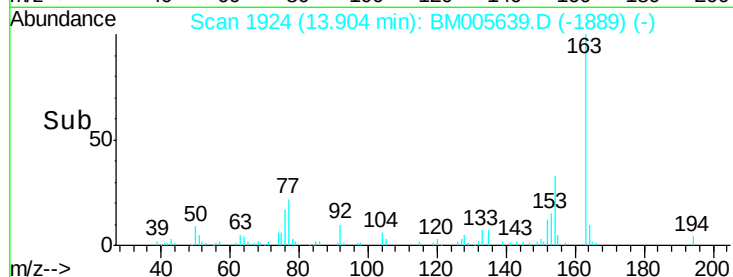
JHGL2DL



Tgt Ion:	163	Resp:	33779
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.4	5.0
164	10.4	8.0	12.0

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#47

Acenaphthylene

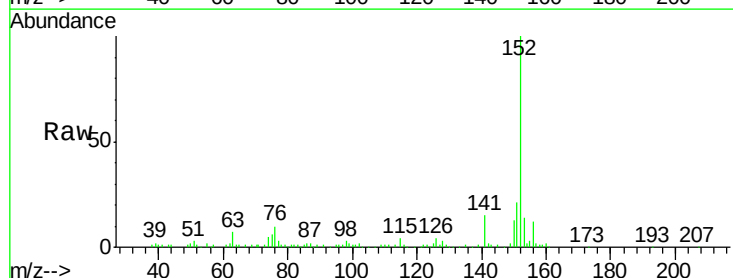
Concen: 4.18 ng/ul

RT: 14.17 min Scan# 1970

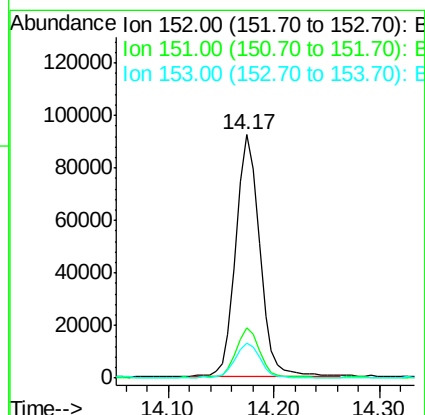
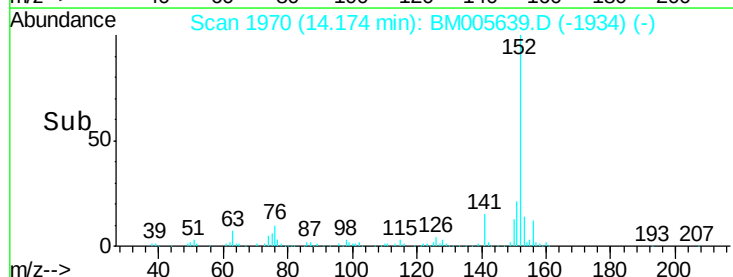
Delta R.T. 0.01 min

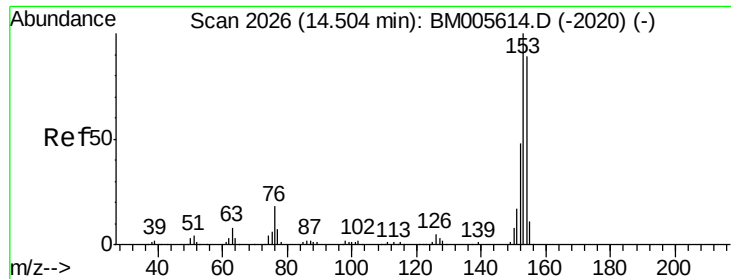
Lab File: BM005639.D

Acq: 24 May 2016 10:46



Tgt Ion:	152	Resp:	143318
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.7	23.5
153	14.4	10.5	15.7





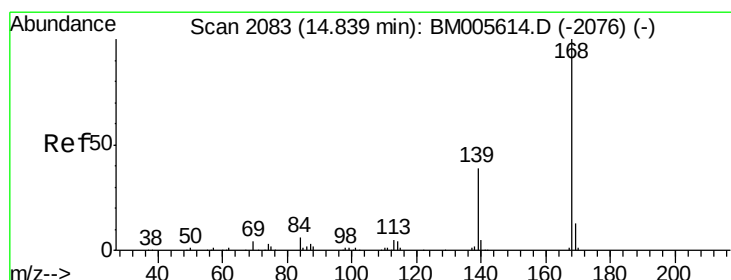
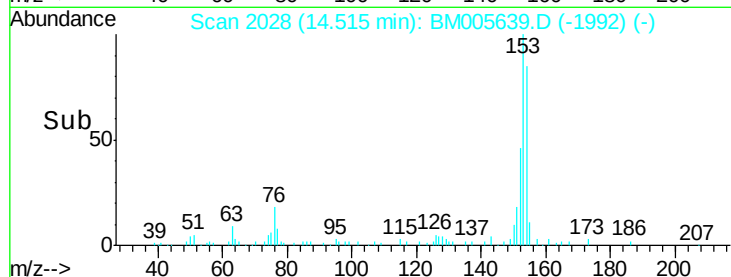
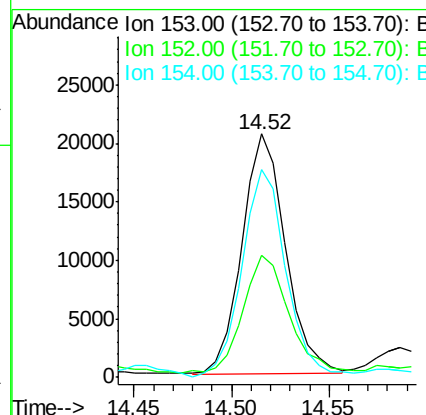
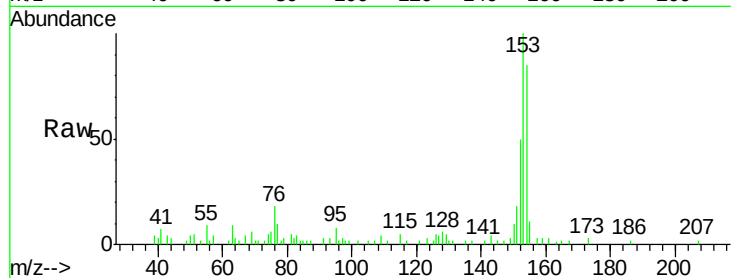
#49
Acenaphthene
Concen: 1.40 ng/ul
RT: 14.52 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BM005639.D
Acq: 24 May 2016 10:46

Instrument :
BNA_M
ClientSampleId :
JHGL2DL

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.9	37.8	56.6
154	85.4	71.1	106.7

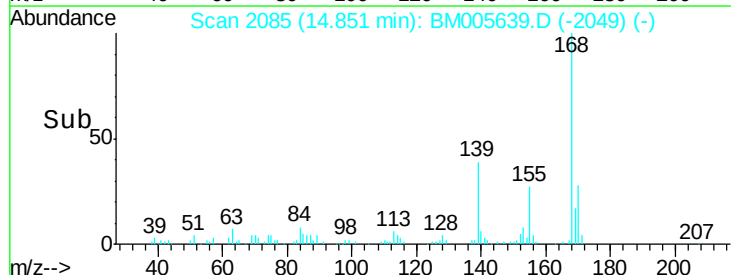
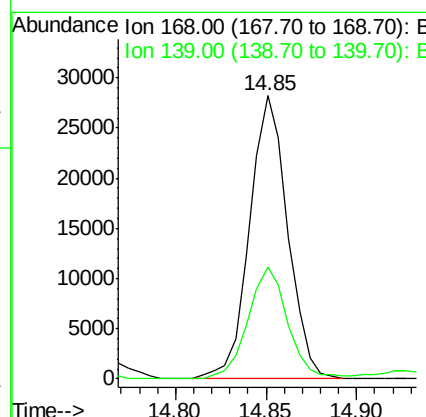
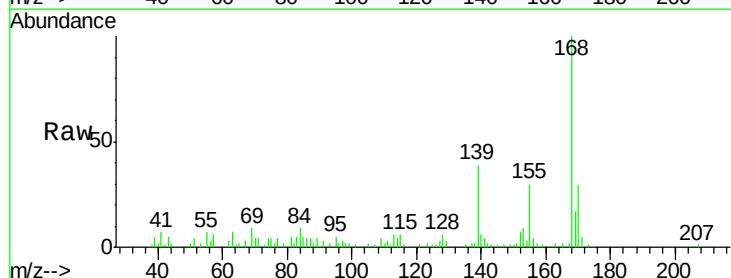
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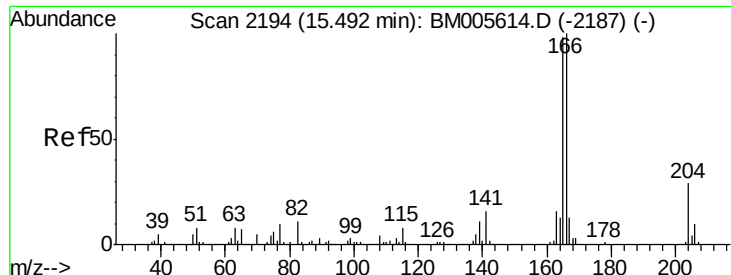
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#53
Dibenzofuran
Concen: 1.28 ng/ul
RT: 14.85 min Scan# 2085
Delta R.T. 0.01 min
Lab File: BM005639.D
Acq: 24 May 2016 10:46

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.6	46.0





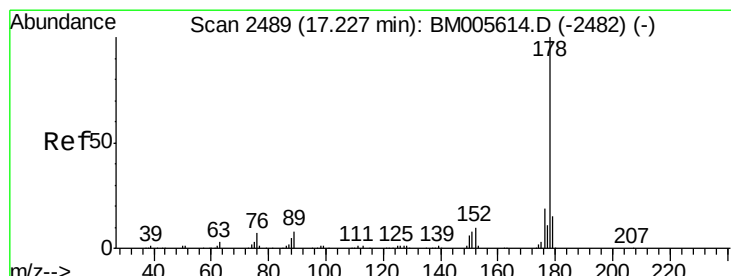
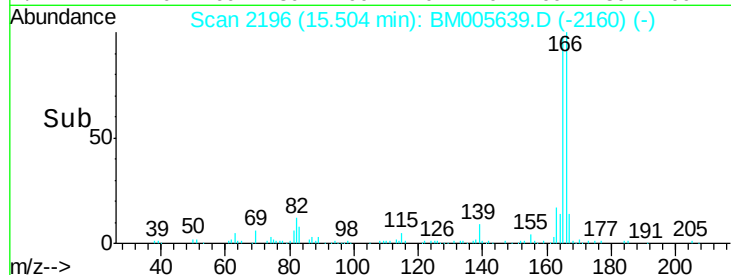
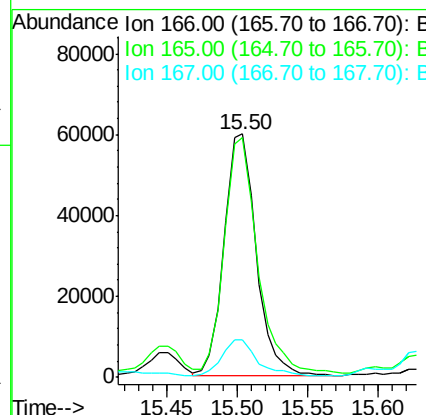
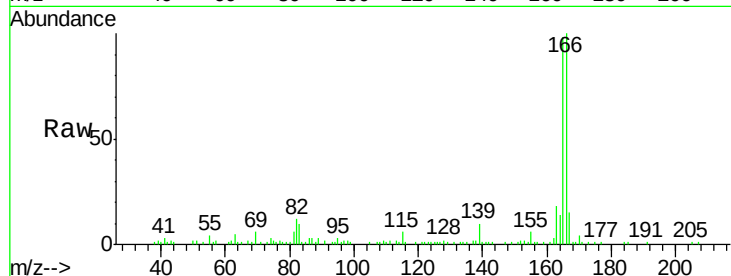
#58
 Fluorene
 Concen: 3.67 ng/ul
 RT: 15.50 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BM005639.D
 Acq: 24 May 2016 10:46

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	94792		
165	98.4	78.0	117.0	
167	15.5	10.5	15.7	

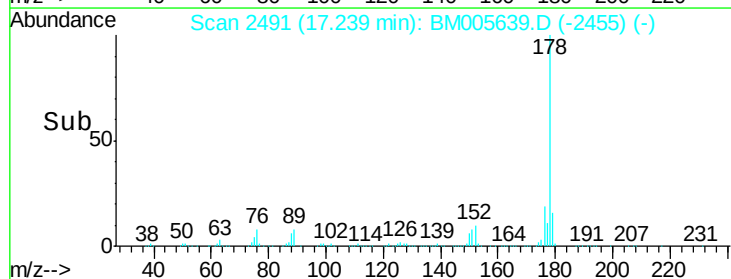
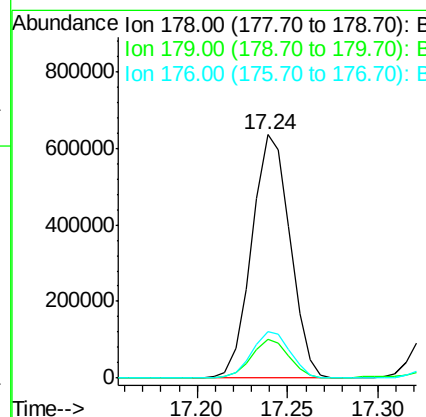
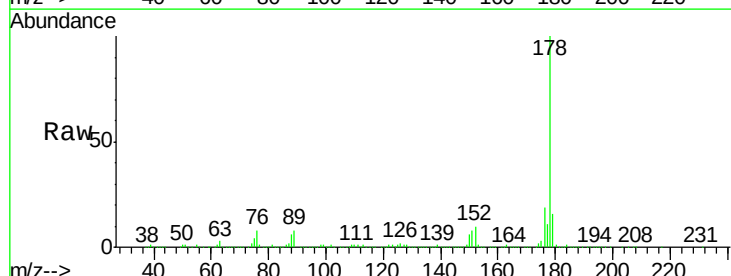
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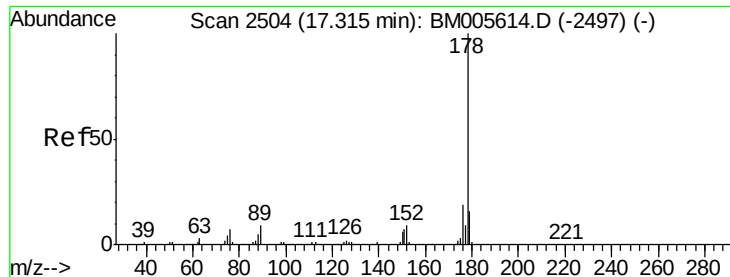
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#69
 Phenanthrene
 Concen: 23.45 ng/ul
 RT: 17.24 min Scan# 2491
 Delta R.T. 0.01 min
 Lab File: BM005639.D
 Acq: 24 May 2016 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	929353		
179	15.7	12.2	18.2	
176	18.9	15.8	23.6	





#71

Anthracene

Concen: 5.50 ng/ul

RT: 17.33 min Scan# 2507

Delta R.T. 0.02 min

Lab File: BM005639.D

Acq: 24 May 2016 10:46

Instrument :

BNA_M

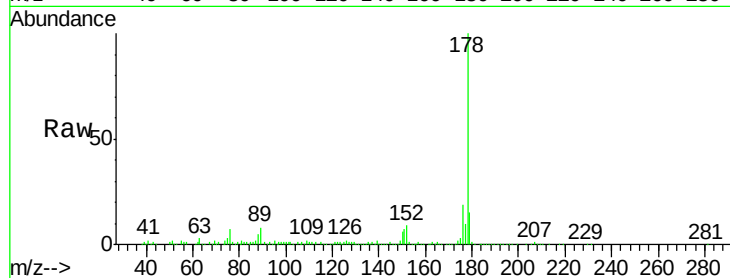
ClientSampleId :

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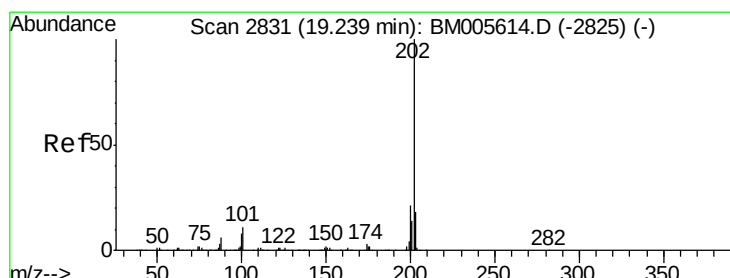
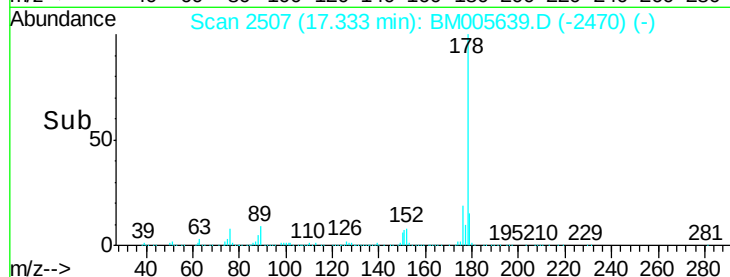
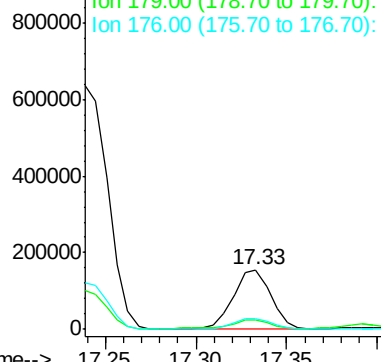
Tgt Ion:	178	Resp:	222235
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.6	18.8
176	18.7	15.0	22.4

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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



#74

Fluoranthene

Concen: 25.35 ng/ul

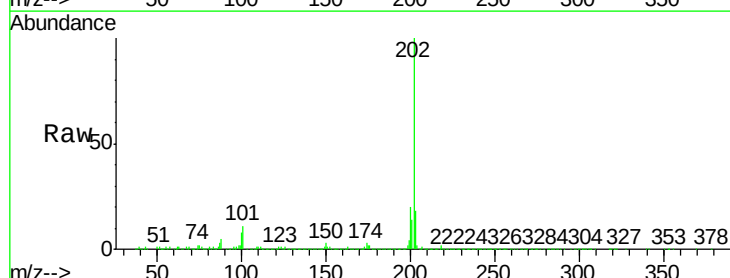
RT: 19.26 min Scan# 2834

Delta R.T. 0.02 min

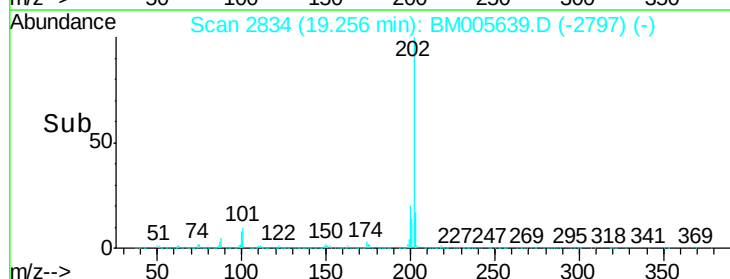
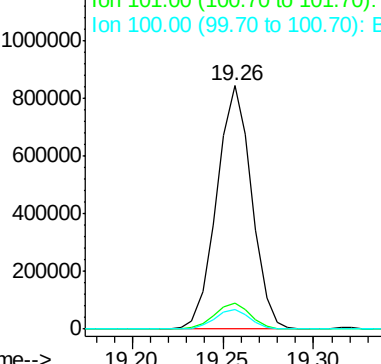
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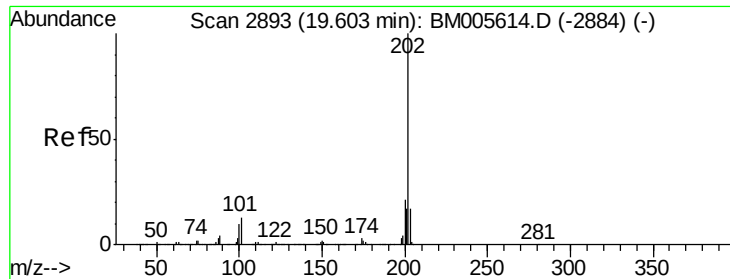
Acq: 24 May 2016 10:46

Tgt Ion:	202	Resp:	1130455
Ion Ratio	Lower	Upper	
202	100		
101	10.6	7.9	11.9
100	7.8	5.6	8.4



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





#77

Pyrene

Concen: 32.24 ng/ul

RT: 19.62 min Scan# 2896

Delta R.T. 0.02 min

Lab File: BM005639.D

Acq: 24 May 2016 10:46

Instrument :

BNA_M

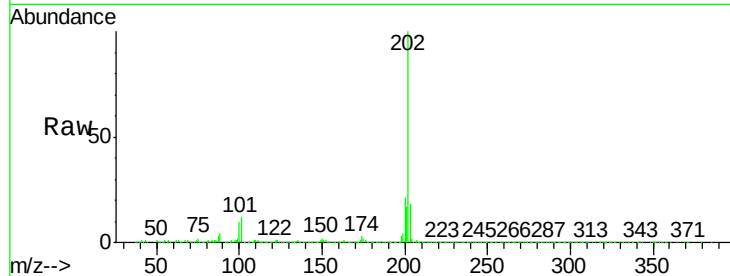
ClientSampleId :

JHGL2DL

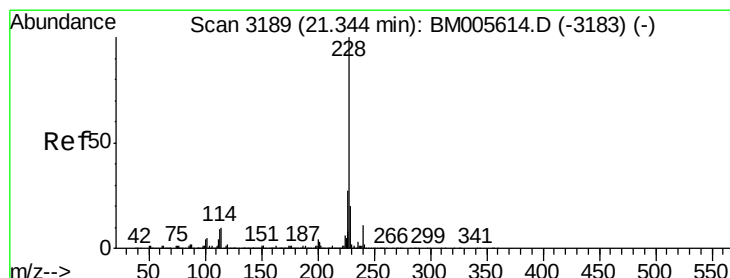
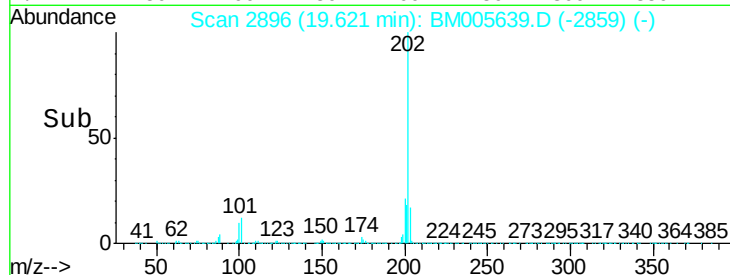
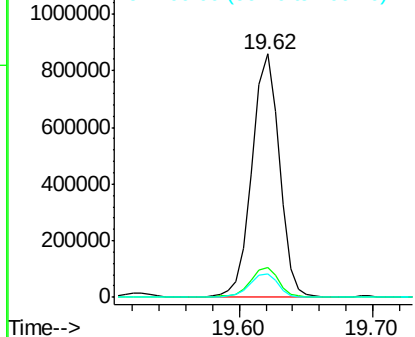
Tgt Ion:	202	Resp:	1209765
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.6	14.4
100	9.6	7.8	11.6

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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: 9.24 ng/ul

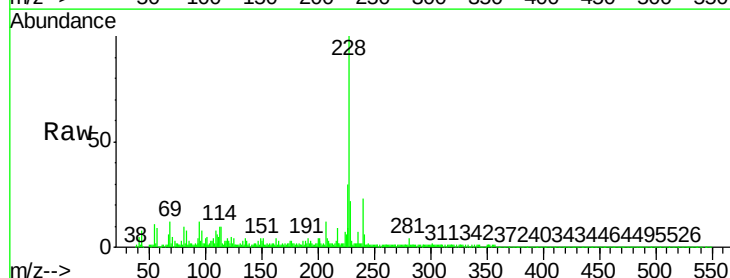
RT: 21.36 min Scan# 3192

Delta R.T. 0.02 min

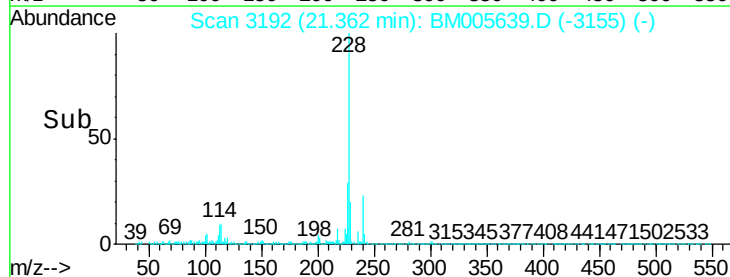
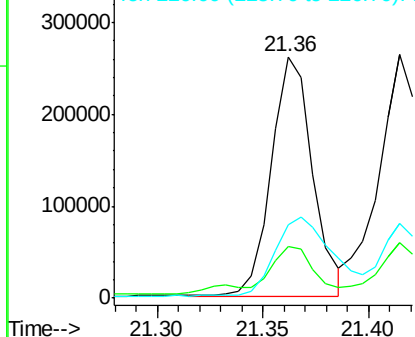
Lab File: BM005639.D

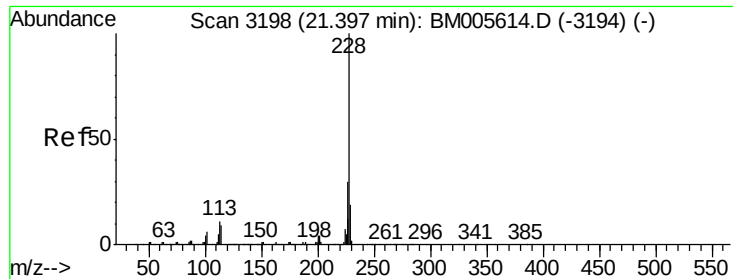
Acq: 24 May 2016 10:46

Tgt Ion:	228	Resp:	354675
Ion Ratio	Lower	Upper	
228	100		
229	21.5	15.4	23.2
226	30.3	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: 9.89 ng/ul

RT: 21.41 min Scan# 3201

Delta R.T. 0.02 min

Lab File: BM005639.D

Acq: 24 May 2016 10:46

Instrument :

BNA_M

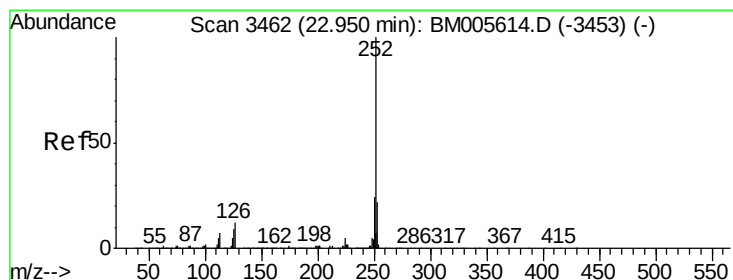
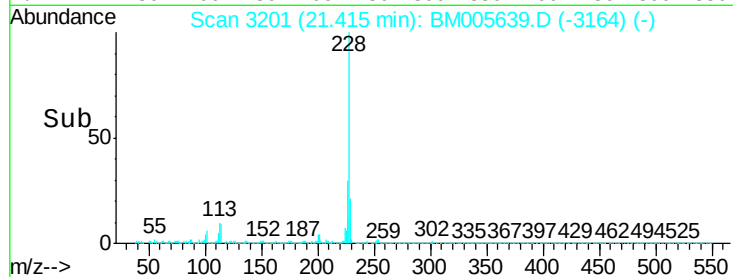
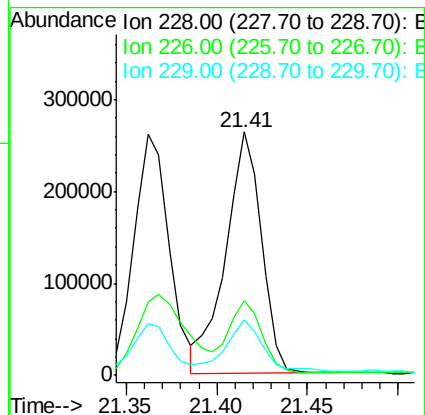
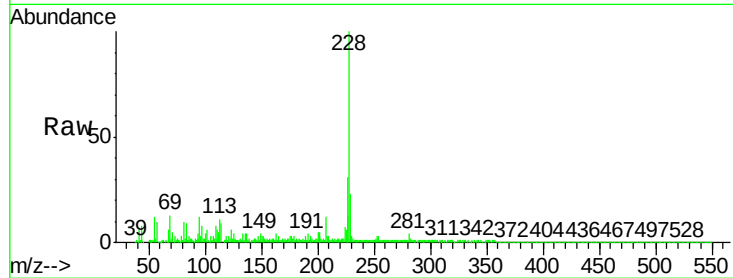
ClientSampleId :

JHGL2DL

Tgt Ion:	228	Resp:	360958
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.7	35.5
229	22.8	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 8.94 ng/ul

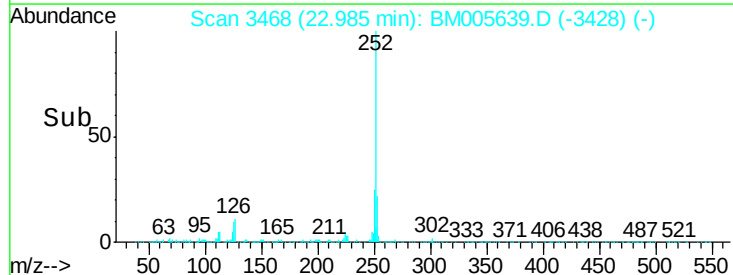
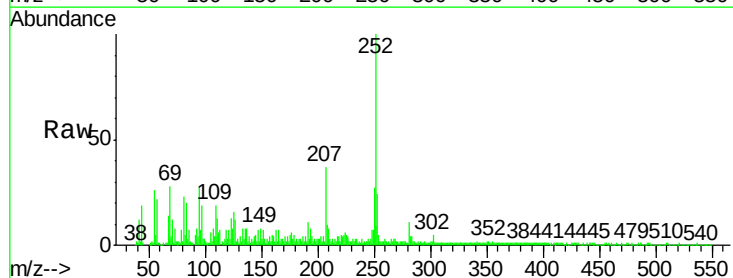
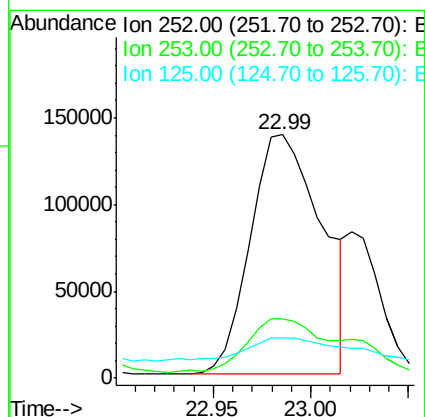
RT: 22.99 min Scan# 3468

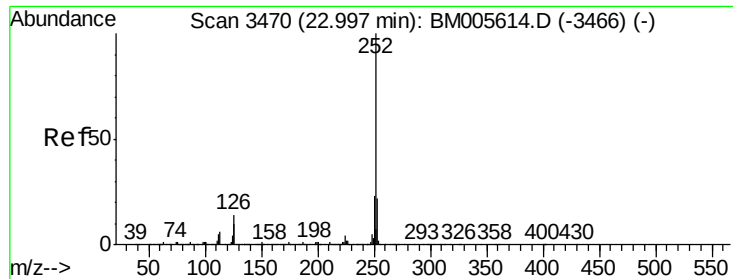
Delta R.T. 0.04 min

Lab File: BM005639.D

Acq: 24 May 2016 10:46

Tgt Ion:	252	Resp:	350325
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.3	25.9
125	16.4	7.0	10.4#





#86

Benzo(k)fluoranthene

Concen: 2.60 ng/ul m

RT: 23.02 min Scan# 3474

Delta R.T. 0.02 min

Lab File: BM005639.D

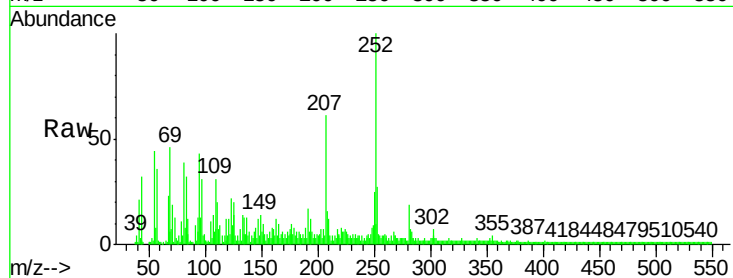
Acq: 24 May 2016 10:46

Instrument :

BNA_M

ClientSampleId :

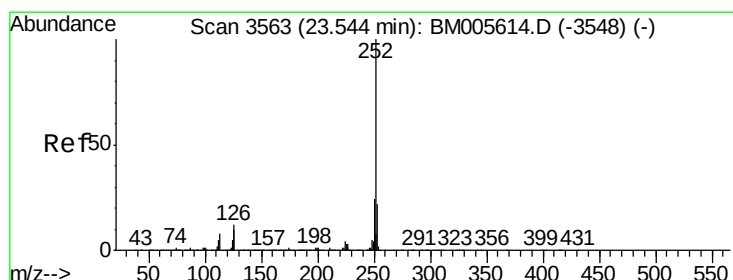
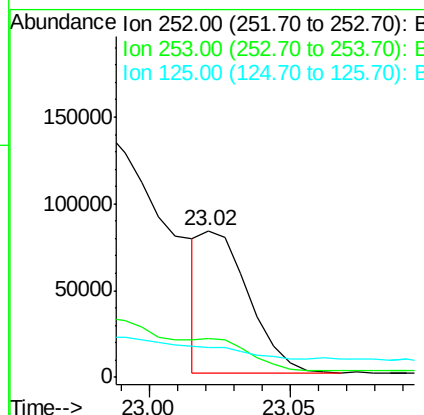
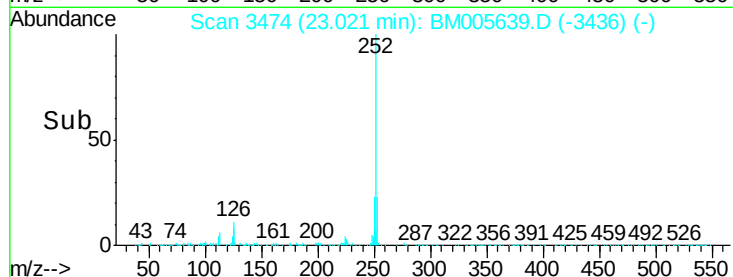
JHGL2DL



Tgt Ion:	252	Resp:	96428
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.5	26.3#
125	20.1	7.0	10.6#

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#88

Benzo(a)pyrene

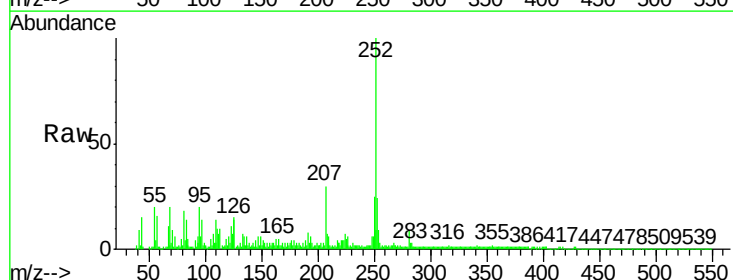
Concen: 8.97 ng/ul

RT: 23.57 min Scan# 3568

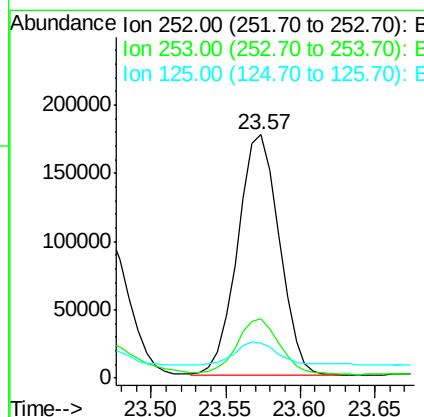
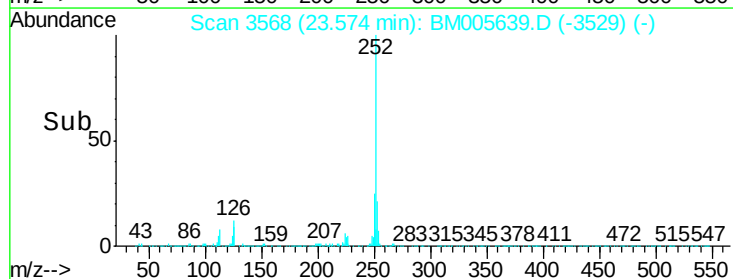
Delta R.T. 0.03 min

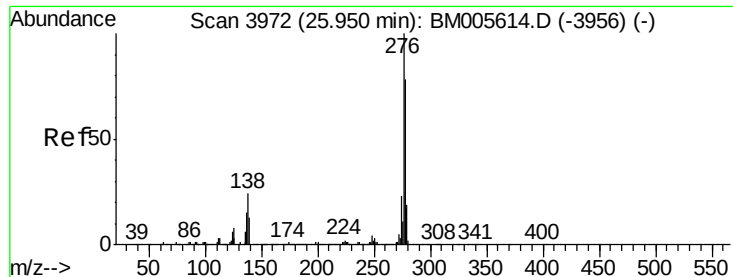
Lab File: BM005639.D

Acq: 24 May 2016 10:46



Tgt Ion:	252	Resp:	341132
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.6	26.4
125	14.6	7.6	11.4#





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.13 ng/ul

RT: 26.00 min Scan# 3980

Delta R.T. 0.05 min

Lab File: BM005639.D

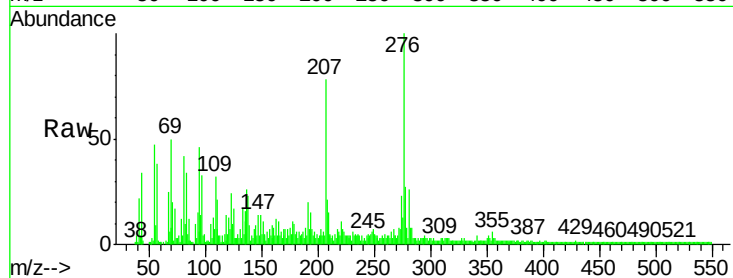
Acq: 24 May 2016 10:46

Instrument :

BNA_M

ClientSampleId :

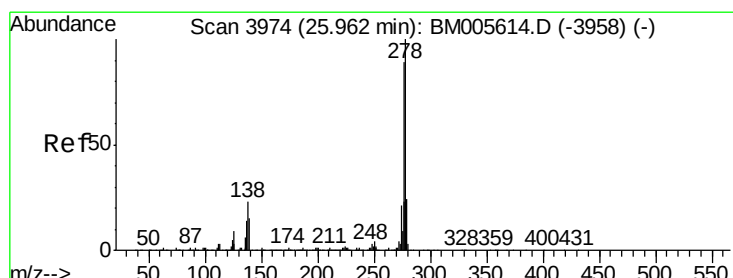
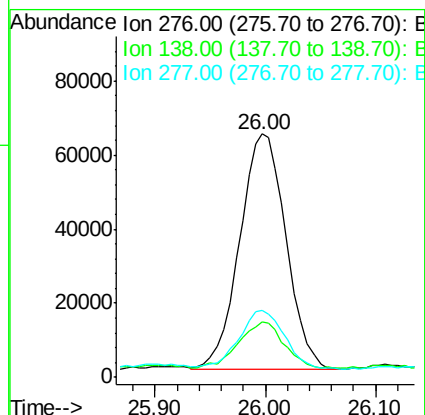
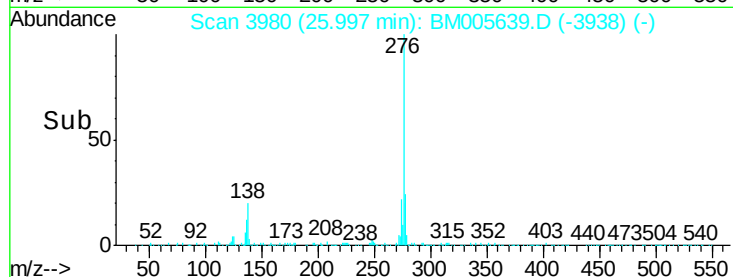
JHGL2DL



Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	16.9	25.3
277	27.5	20.2	30.4

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#90

Dibenzo(a,h)anthracene

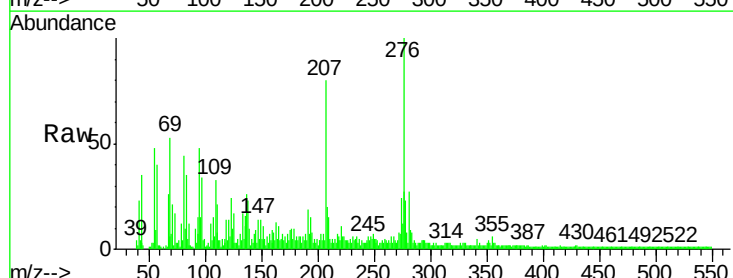
Concen: 1.18 ng/ul

RT: 26.00 min Scan# 3981

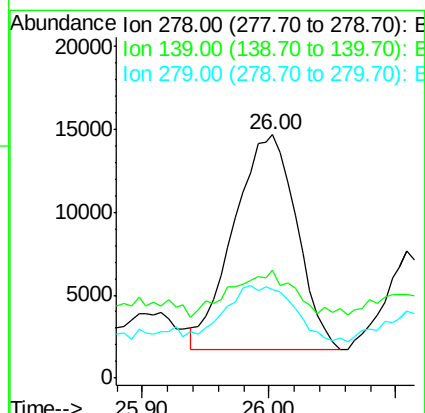
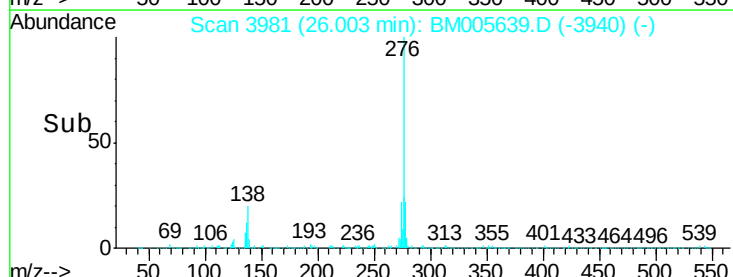
Delta R.T. 0.04 min

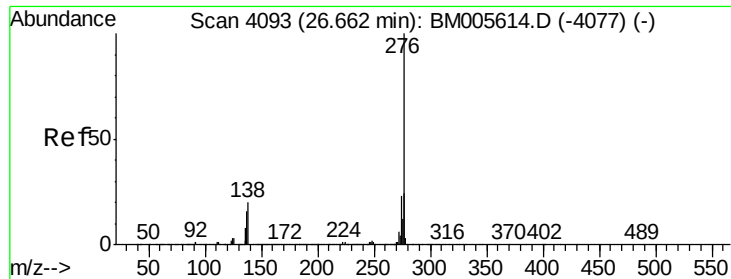
Lab File: BM005639.D

Acq: 24 May 2016 10:46



Tgt Ion	Ratio	Lower	Upper
278	100		
139	44.2	11.8	17.6#
279	36.5	19.4	29.2#





#91
 Benzo(g,h,i)perylene
 Concen: 4.86 ng/ul
 RT: 26.71 min Scan# 4102
 Delta R.T. 0.05 min
 Lab File: BM005639.D
 Acq: 24 May 2016 10:46

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2DL

Tgt	Ion	276	Resp:	184562
Ion	Ratio	100	Lower	Upper
276	100			
138	22.2	15.0	22.6	
277	24.8	18.6	28.0	

Manual Integrations
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