

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005629.D
 Acq On : 24 May 2016 03:41
 Operator : UM/SJ
 Sample : H3086-18RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2RE

Manual Integrations
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Quant Time: May 24 13:33:15 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	7.80	152	232153	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	967755	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	469452	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	896560	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	786110	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	861677	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	14161	2.67	ng/uL	0.00
5) Phenol-d5	6.98	99	355902	18.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	211313	19.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	288481	18.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	296455	19.01	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	144540	19.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	155531	19.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	285506	18.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	334634	21.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	766771	20.01	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	995602	20.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	108482	14.97	ng/ul	0.00
57) Fluorene-d10	15.43	176	649233	19.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	19415	3.76	ng/ul	0.01
70) Anthracene-d10	17.29	188	922679	21.60	ng/ul	0.00
76) Pyrene-d10	19.58	212	900554	25.30	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	851914	21.17	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.65	128	526814	10.84	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	155843	4.38	ng/ul	99
40) 1,1'-Biphenyl	13.27	154	104417	2.65	ng/ul	98
44) Dimethylphthalate	13.90	163	216907	5.73	ng/ul	100
47) Acenaphthylene	14.16	152	777466	15.97	ng/ul	97
49) Acenaphthene	14.50	153	185867	5.79	ng/ul	98
53) Dibenzofuran	14.84	168	252375	5.51	ng/ul	96
58) Fluorene	15.49	166	559932	15.27	ng/ul	99
69) Phenanthrene	17.23	178	4333879	86.49	ng/ul	99
71) Anthracene	17.32	178	1193880	23.38	ng/ul	100
72) Carbazole	17.59	167	125091	2.82	ng/ul#	91
74) Fluoranthene	19.25	202	5010763	88.84	ng/ul	99
77) Pyrene	19.62	202	5340526	118.18	ng/ul	99
80) Benzo(a)anthracene	21.35	228	1864760m	40.36	ng/ul	
82) Chrysene	21.40	228	1970016	44.81	ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	1897985	37.34	ng/ul#	95
86) Benzo(k)fluoranthene	23.00	252	619013m	12.87	ng/ul	
88) Benzo(a)pyrene	23.55	252	1864688	37.82	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.96	276	1075144	18.36	ng/ul	98
90) Dibenzo(a,h)anthracene	25.96	278	253817	5.20	ng/ul#	86
91) Benzo(g,h,i)perylene	26.67	276	1069547	21.72	ng/ul	96

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
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JHGL2RE

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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)

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

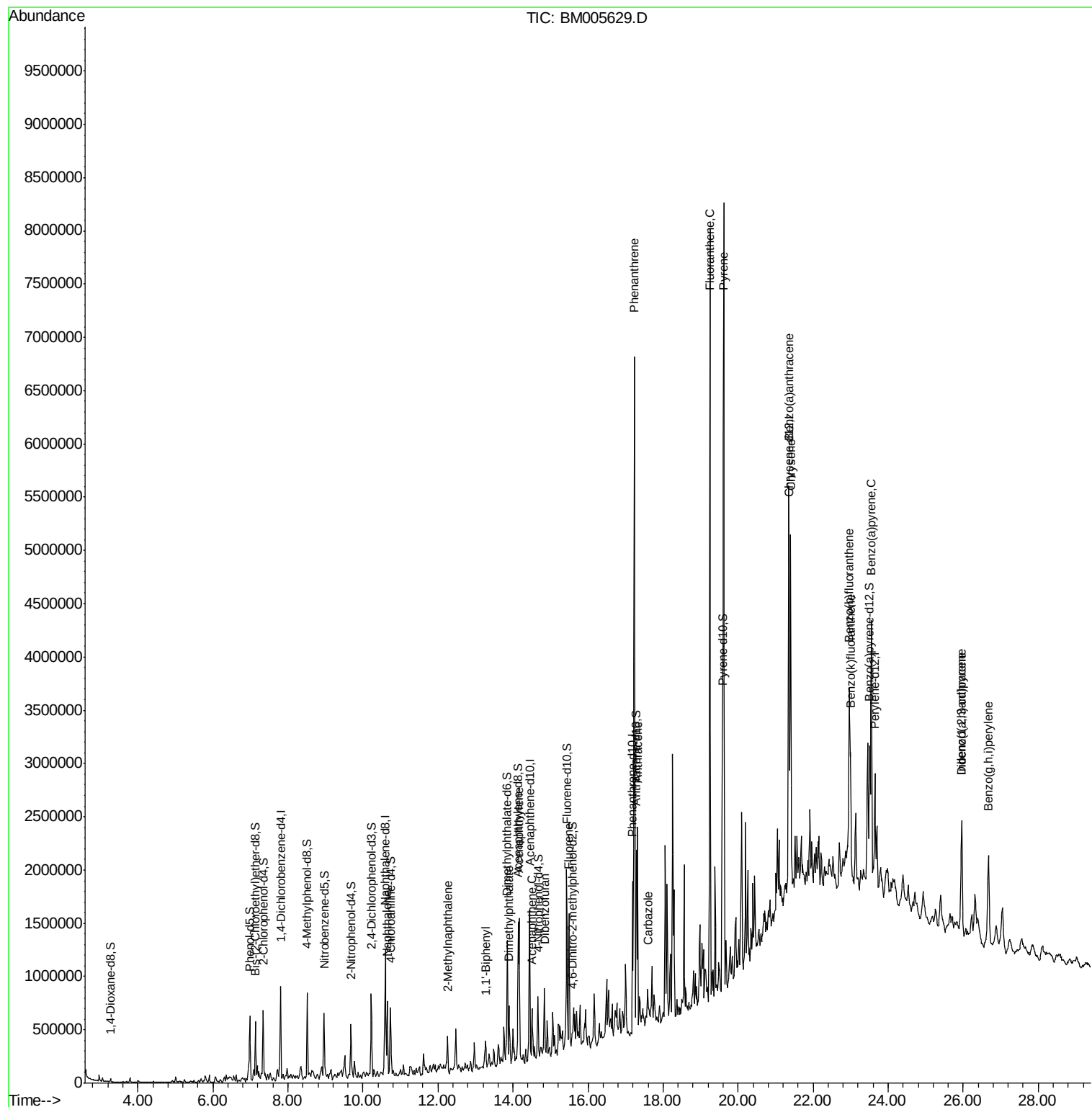
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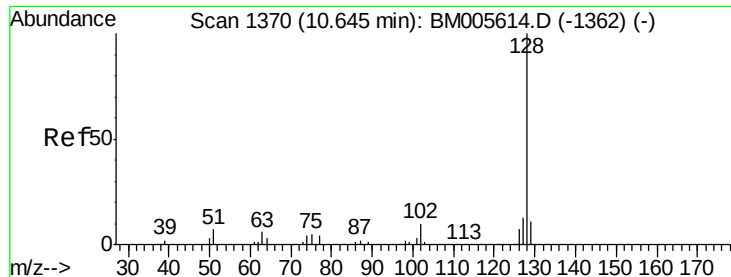
Instrument :
BNA_M
ClientSampled :
JHGL2RE

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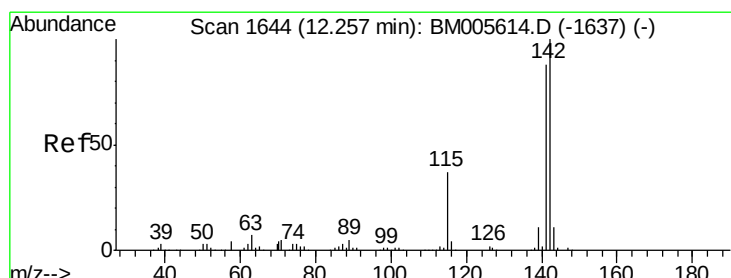
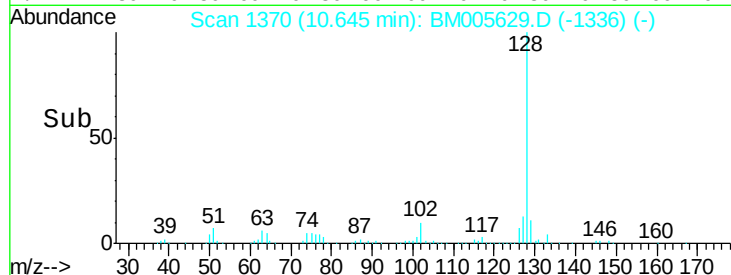
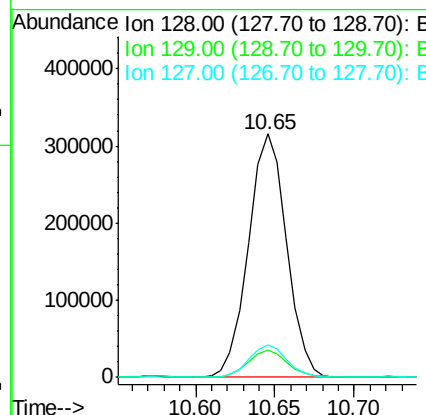
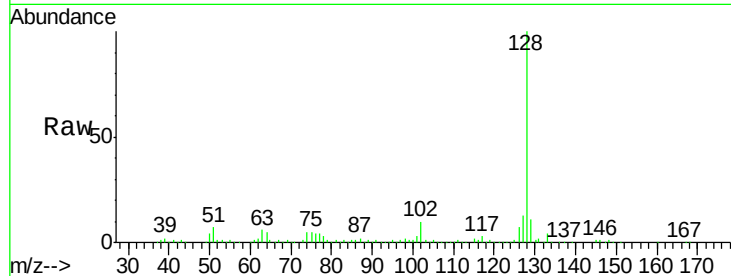
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Naphthalene
Concen: 10.84 ng/ul
RT: 10.65 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Instrument :
BNA_M
ClientSampleId :
JHGL2RE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	526814		
129	11.3	8.6	13.0	
127	13.1	10.6	15.8	

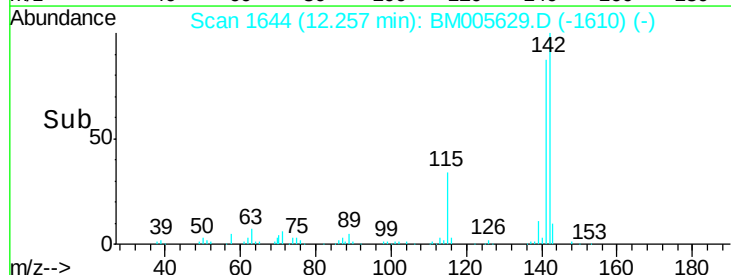
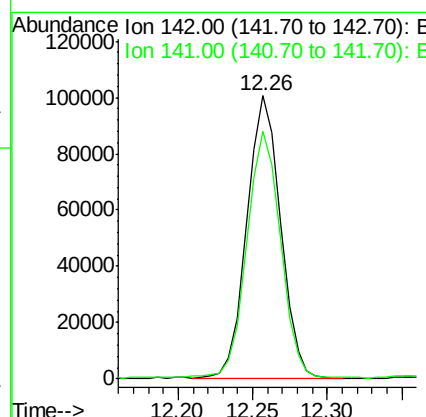
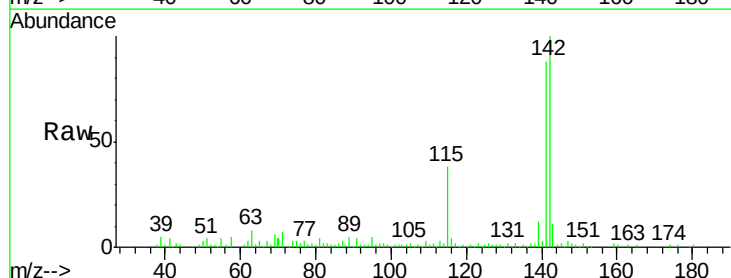
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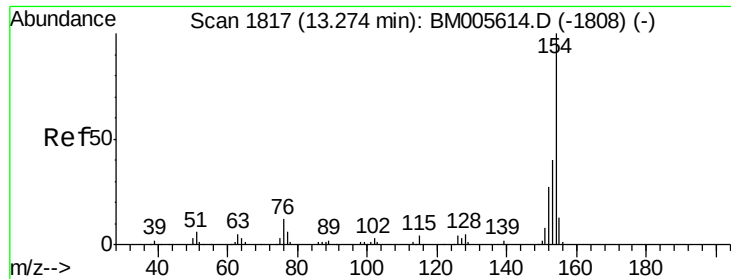
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#34
2-Methylnaphthalene
Concen: 4.38 ng/ul
RT: 12.26 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	155843		
141	87.6	70.6	106.0	





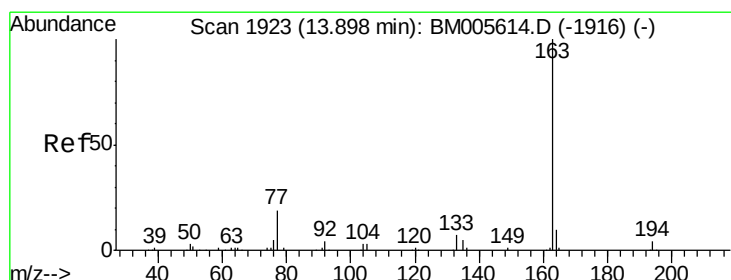
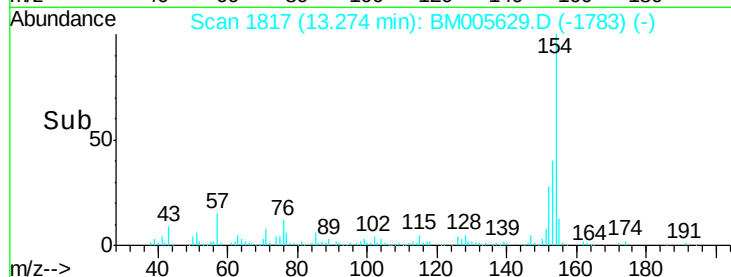
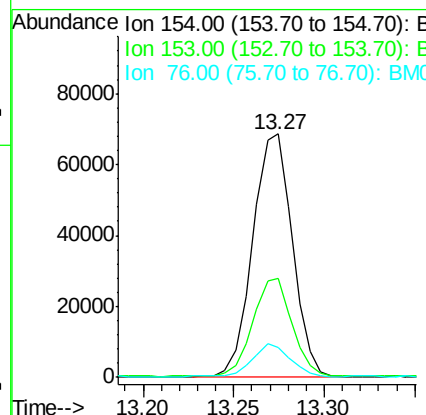
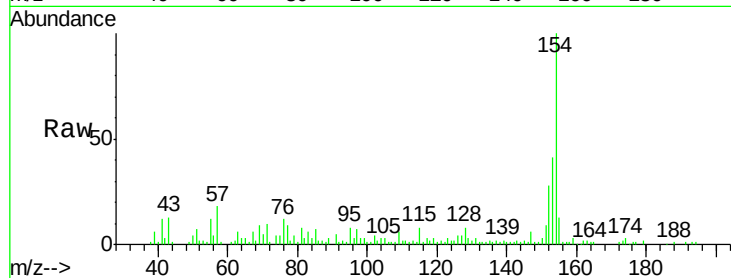
#40
 1,1'-Biphenyl
 Concen: 2.65 ng/ul
 RT: 13.27 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BM005629.D
 Acq: 24 May 2016 03:41

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2RE

Tgt Ion:	154	Resp:	104417
Ion Ratio	Lower	Upper	
154	100		
153	40.8	31.7	47.5
76	12.4	10.1	15.1

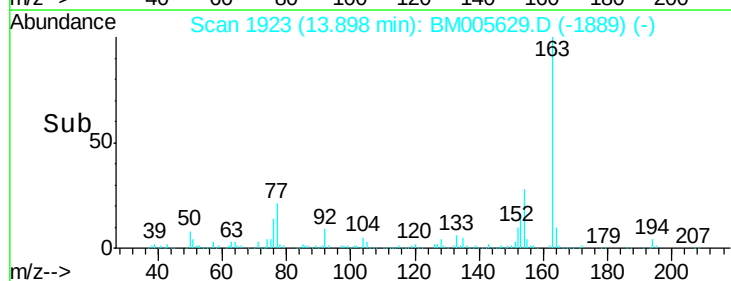
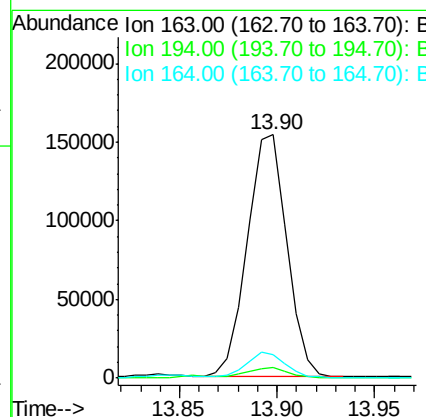
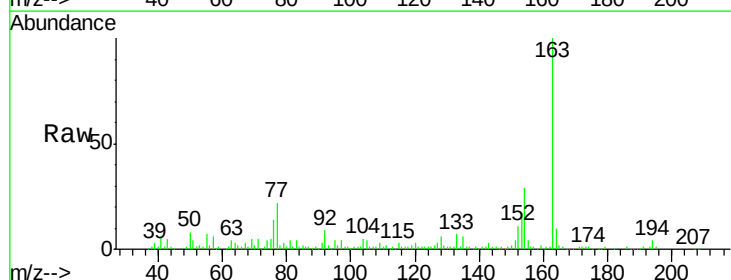
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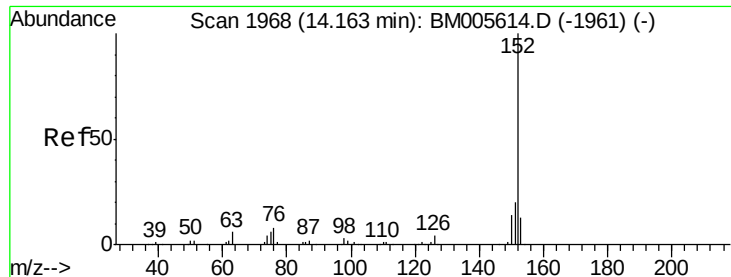
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#44
 Dimethylphthalate
 Concen: 5.73 ng/ul
 RT: 13.90 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: BM005629.D
 Acq: 24 May 2016 03:41

Tgt Ion:	163	Resp:	216907
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.4	5.0
164	9.9	8.0	12.0





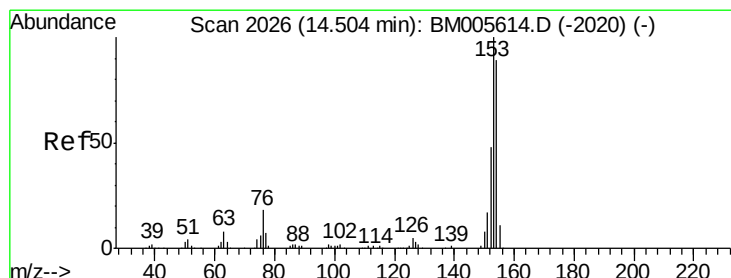
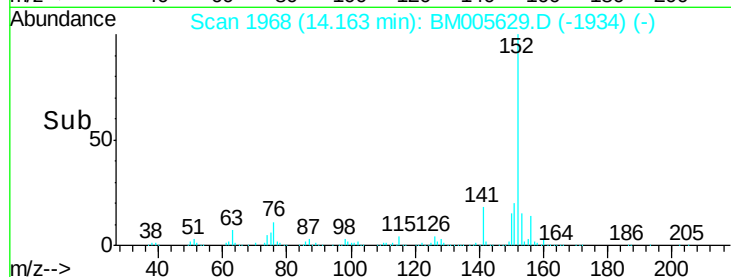
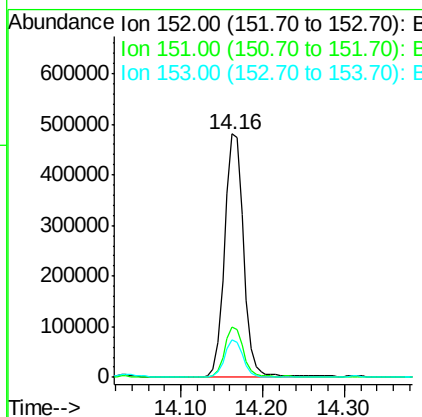
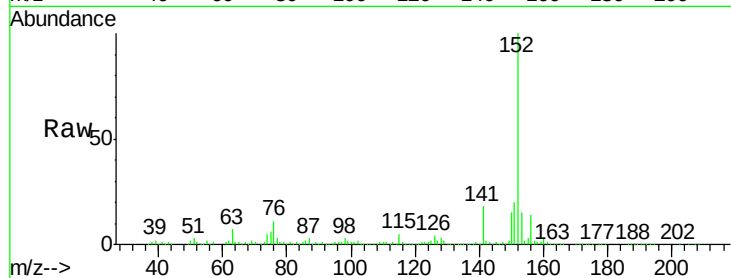
#47
Acenaphthylene
Concen: 15.97 ng/ul
RT: 14.16 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Instrument :
BNA_M
ClientSampleId :
JHGL2RE

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	777466		
151	20.4		15.7	23.5
153	15.4		10.5	15.7

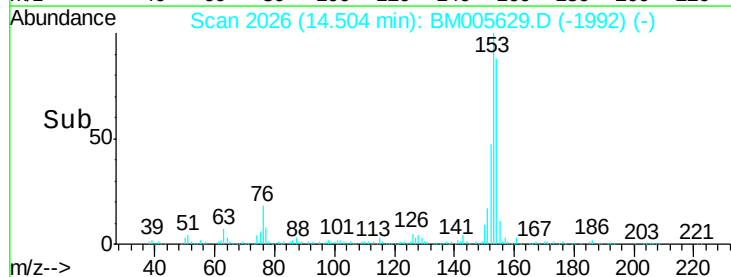
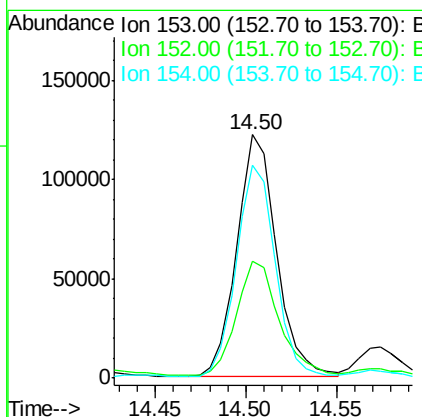
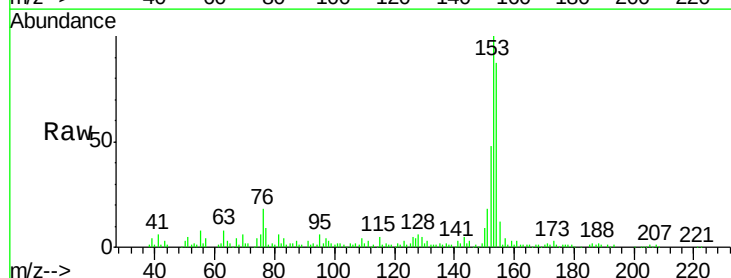
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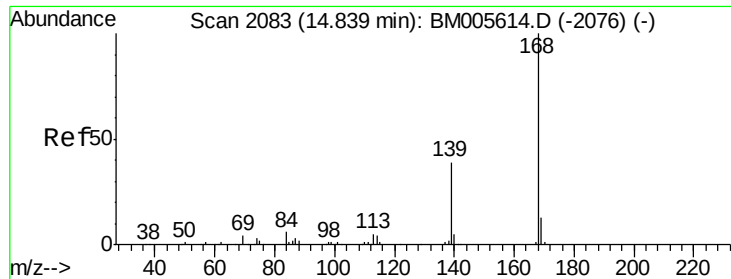
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#49
Acenaphthene
Concen: 5.79 ng/ul
RT: 14.50 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	185867		
152	47.9		37.8	56.6
154	87.2		71.1	106.7





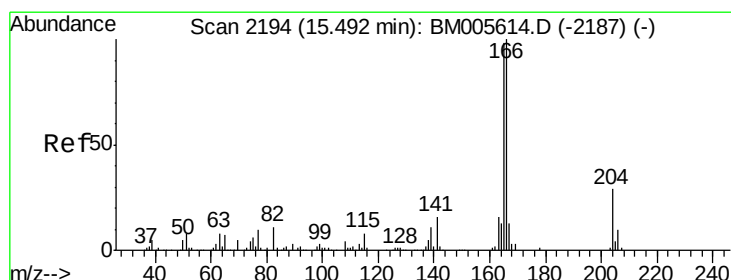
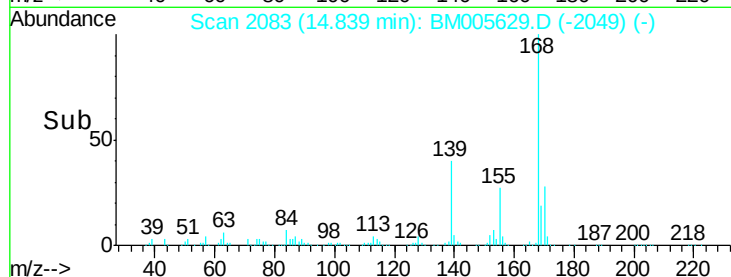
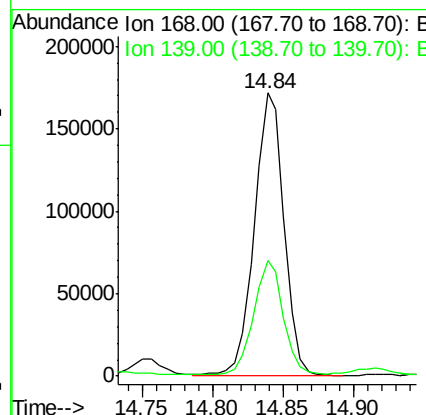
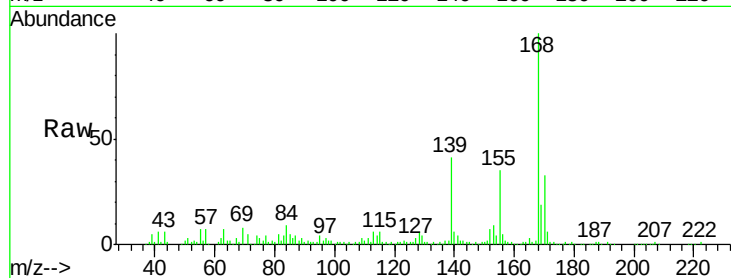
#53
Dibenzenofuran
Concen: 5.51 ng/ul
RT: 14.84 min Scan# 2083
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Instrument :
BNA_M
ClientSampleId :
JHGL2RE

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.7	30.6	46.0

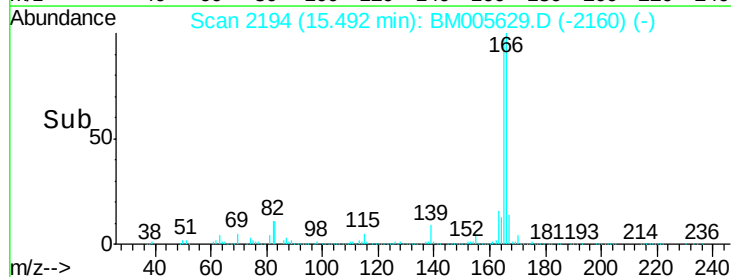
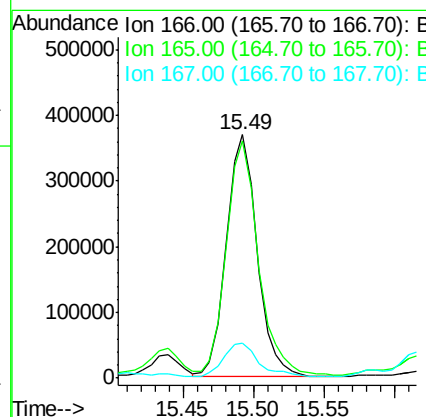
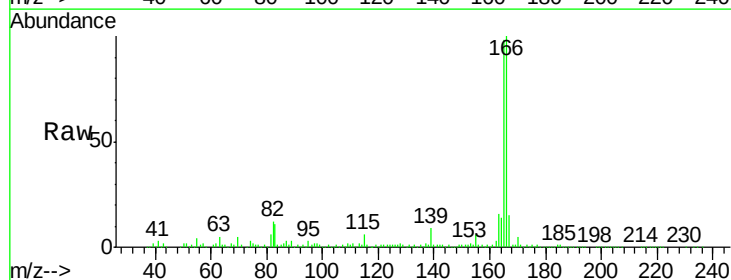
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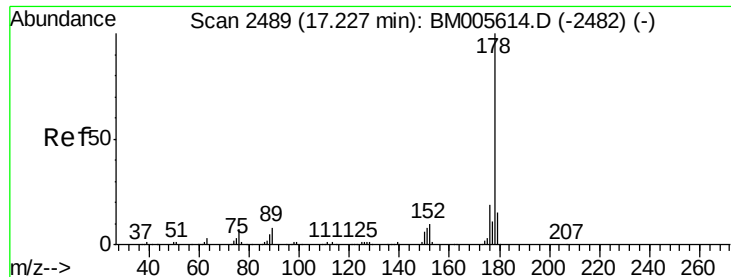
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#58
Fluorene
Concen: 15.27 ng/ul
RT: 15.49 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.0	117.0
167	14.5	10.5	15.7





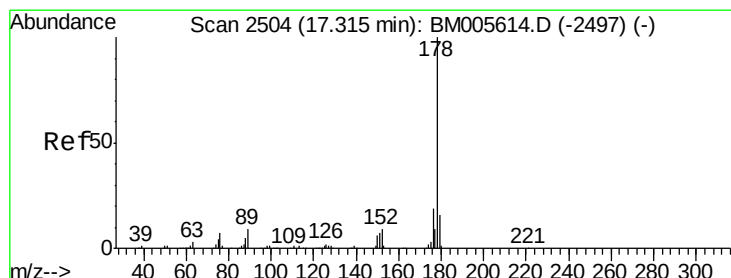
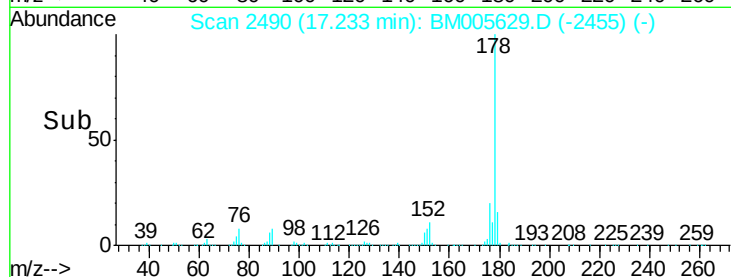
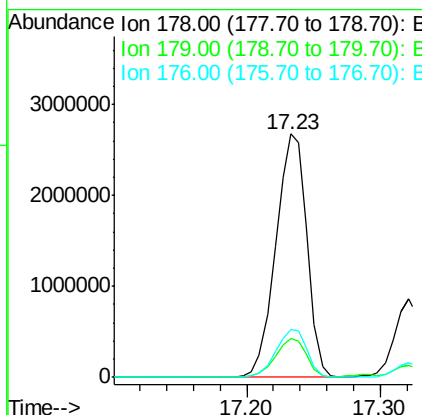
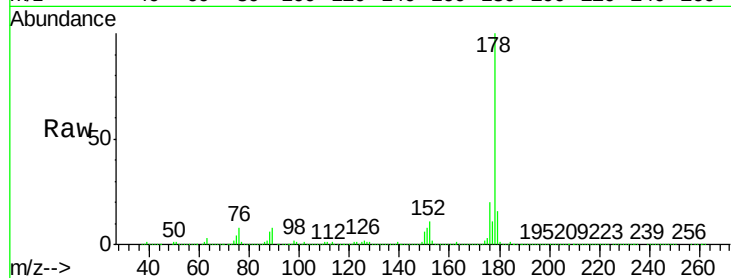
#69
Phenanthrene
Concen: 86.49 ng/ul
RT: 17.23 min Scan# 2490
Delta R.T. 0.01 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Instrument :
BNA_M
ClientSampleId :
JHGL2RE

Tgt Ion:178 Resp: 4333879
Ion Ratio Lower Upper
178 100
179 15.9 12.2 18.2
176 19.7 15.8 23.6

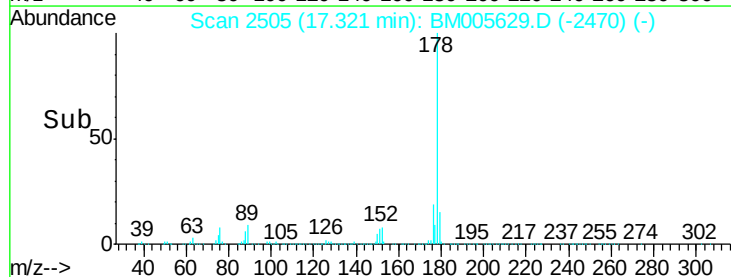
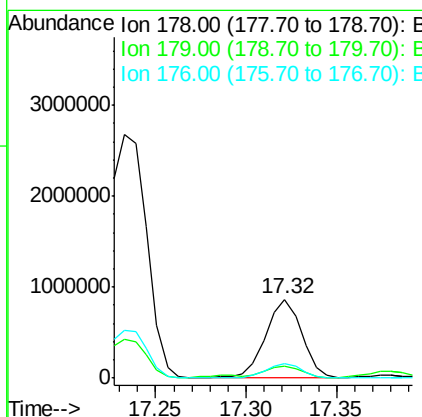
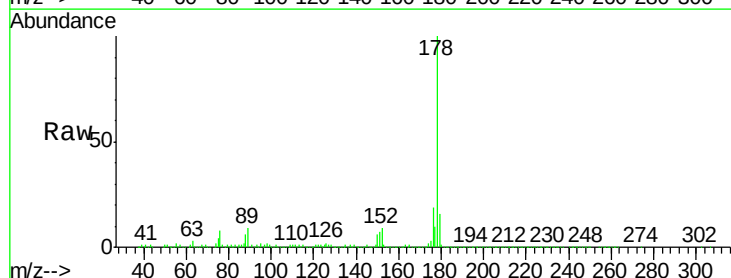
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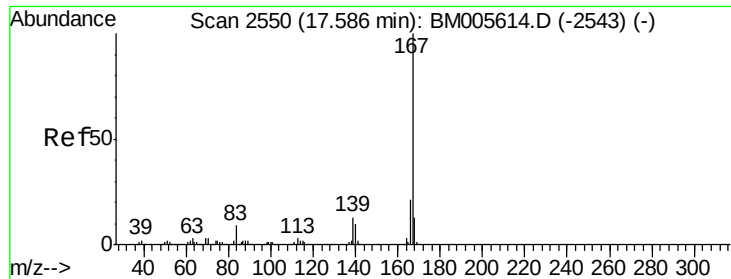
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#71
Anthracene
Concen: 23.38 ng/ul
RT: 17.32 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Tgt Ion:178 Resp: 1193880
Ion Ratio Lower Upper
178 100
179 15.7 12.6 18.8
176 18.7 15.0 22.4





#72

Carbazole

Concen: 2.82 ng/ul

RT: 17.59 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BM005629.D

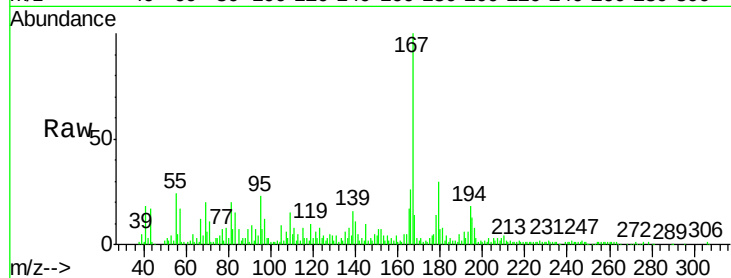
Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

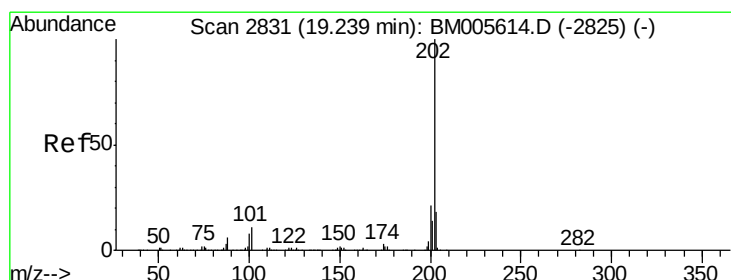
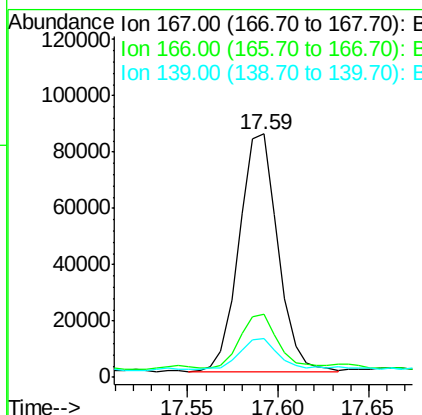
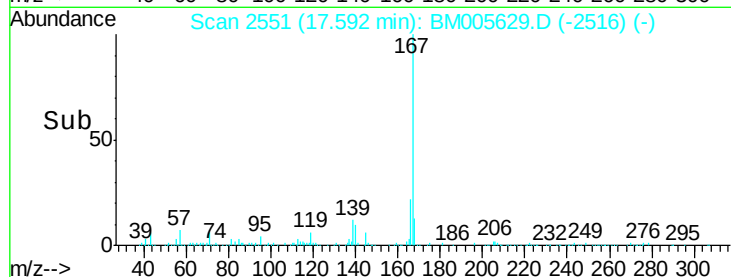
JHGL2RE



Tgt Ion	Ratio	Resp	Lower	Upper
167	100			
166	25.7	16.9	25.3#	
139	16.0	10.6	16.0#	

Manual Integrations
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#74

Fluoranthene

Concen: 88.84 ng/ul

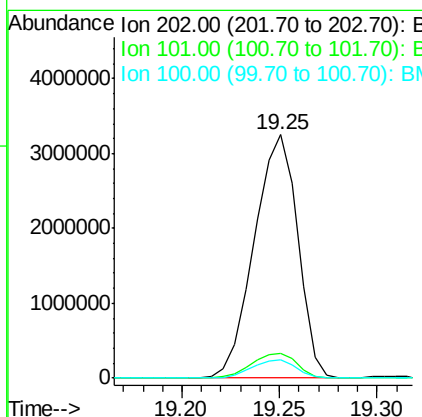
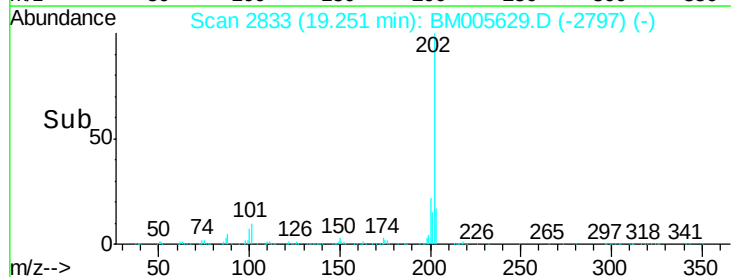
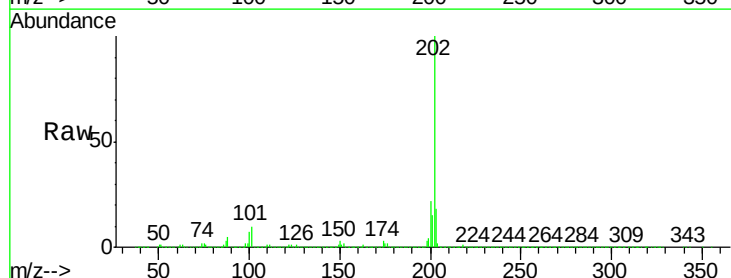
RT: 19.25 min Scan# 2833

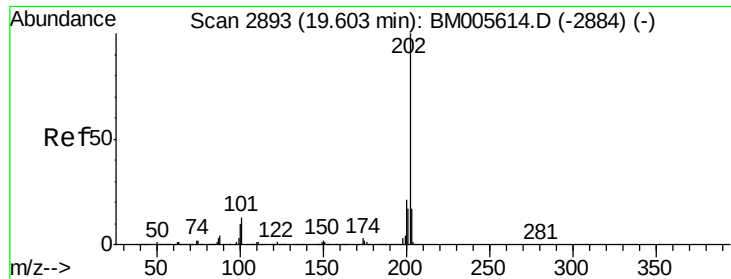
Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.1	7.9	11.9	
100	7.3	5.6	8.4	





#77

Pyrene

Concen: 118.18 ng/ul

RT: 19.62 min Scan# 2895

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Instrument :

BNA_M

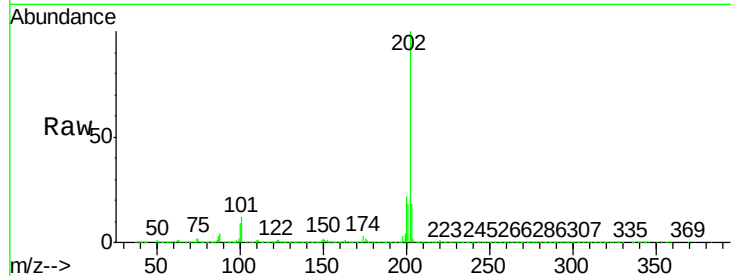
ClientSampleId :

JHGL2RE

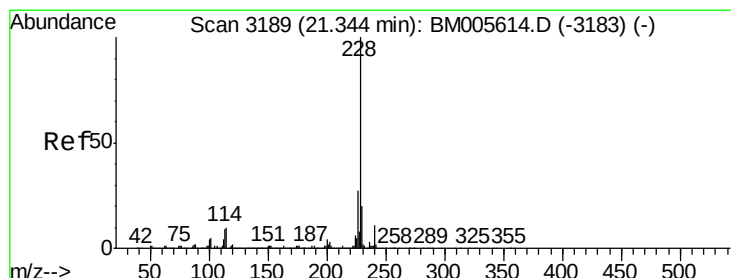
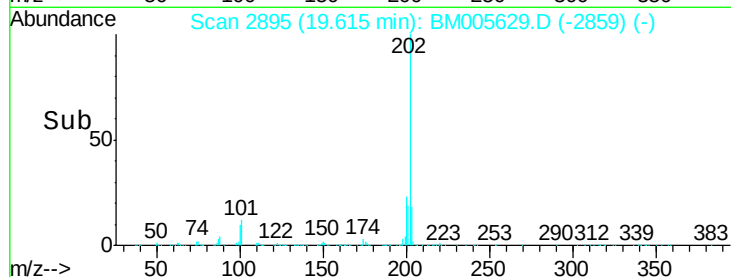
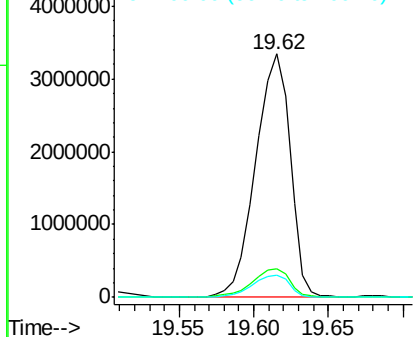
Tgt Ion:	202	Resp:	5340526
Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.6	14.4
100	9.2	7.8	11.6

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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: 40.36 ng/ul m

RT: 21.35 min Scan# 3190

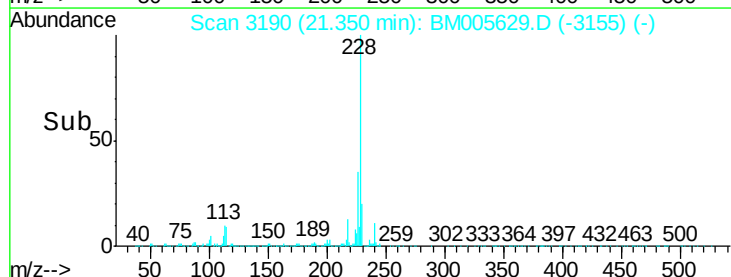
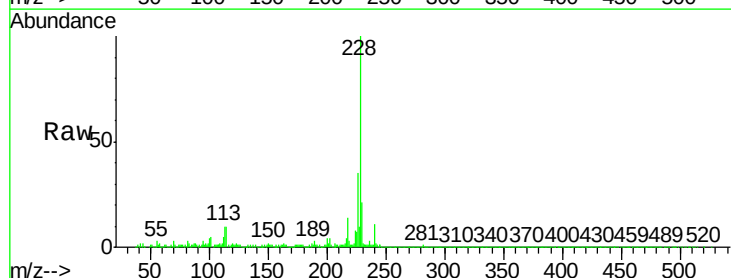
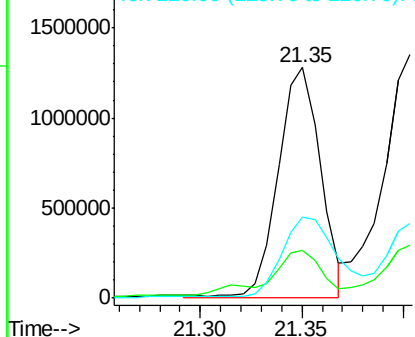
Delta R.T. 0.01 min

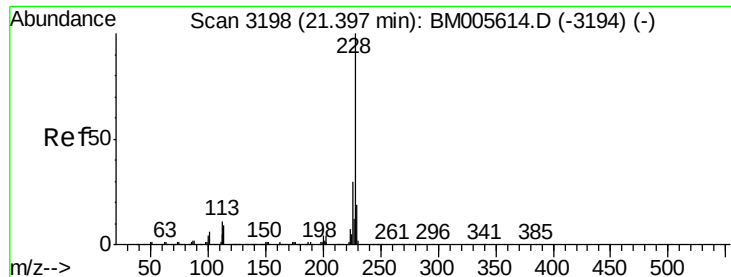
Lab File: BM005629.D

Acq: 24 May 2016 03:41

Tgt Ion:	228	Resp:	1864760
Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.4	23.2
226	35.2	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





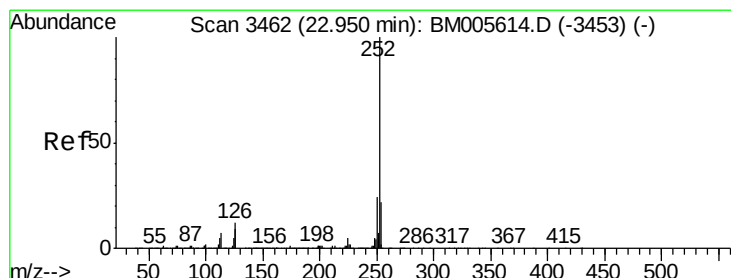
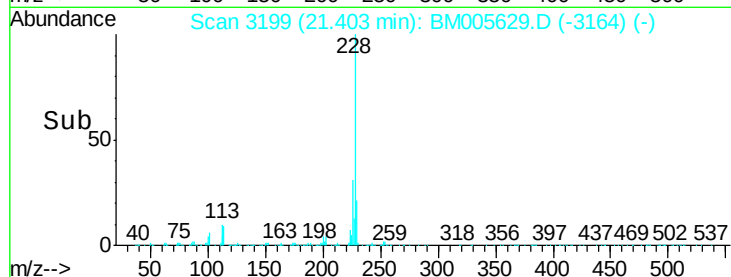
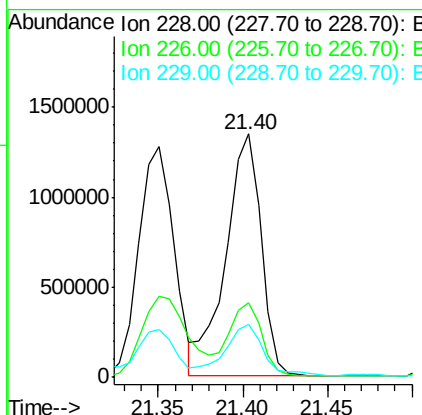
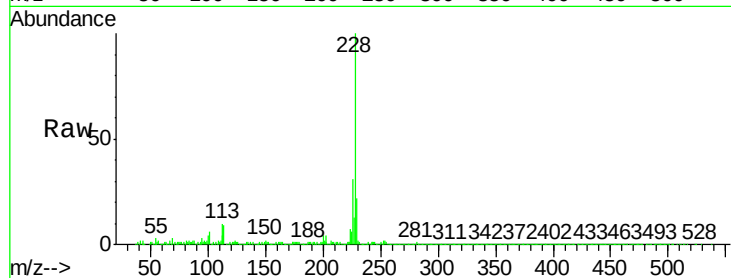
#82
Chrysene
Concen: 44.81 ng/ul
RT: 21.40 min Scan# 3199
Delta R.T. 0.01 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Instrument :
BNA_M
ClientSampleId :
JHGL2RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.7	35.5
229	21.6	15.5	23.3

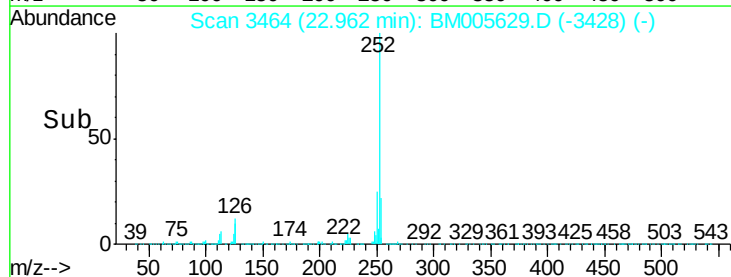
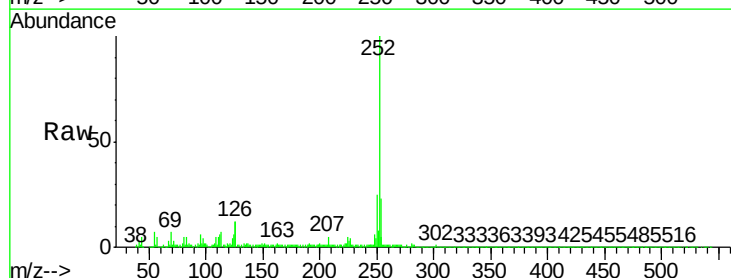
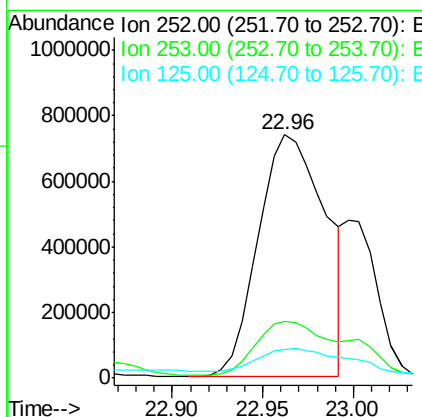
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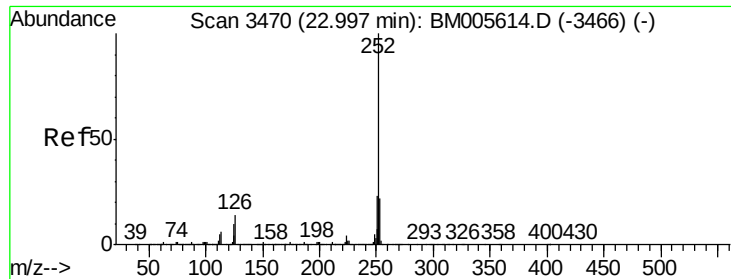
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#85
Benzo(b)fluoranthene
Concen: 37.34 ng/ul
RT: 22.96 min Scan# 3464
Delta R.T. 0.01 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

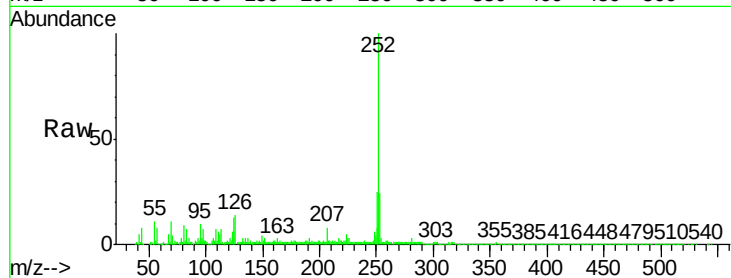
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	11.8	7.0	10.4





#86
Benzo(k)fluoranthene
Concen: 12.87 ng/ul m
RT: 23.00 min Scan# 3470
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

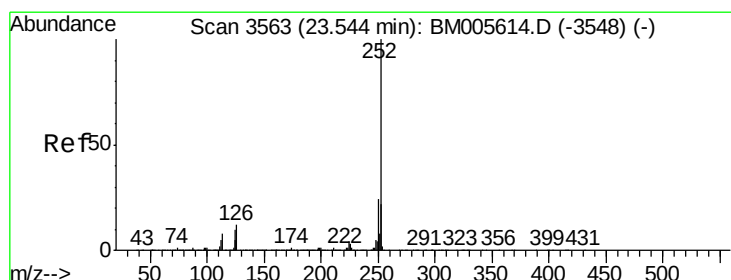
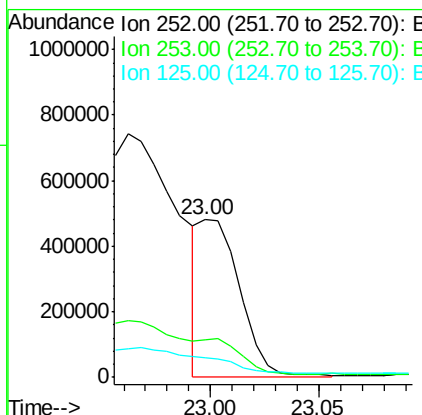
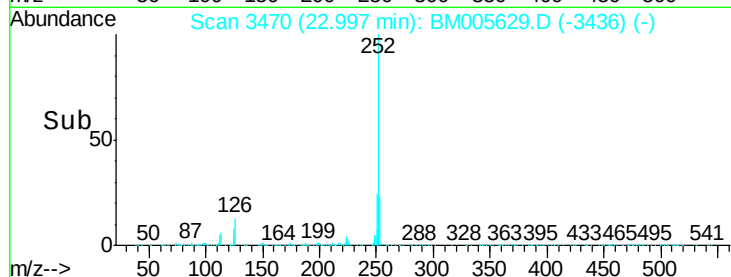
Instrument :
BNA_M
ClientSampleId :
JHGL2RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	12.7	7.0	10.6

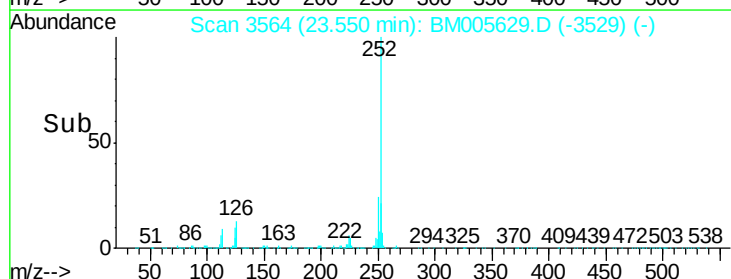
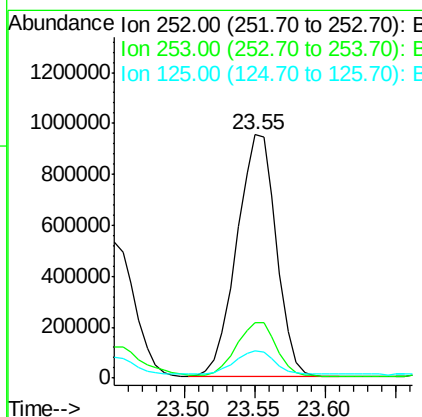
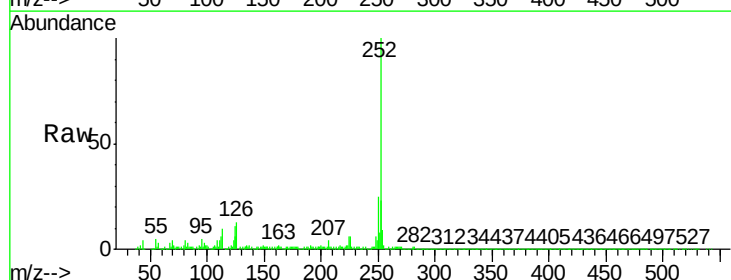
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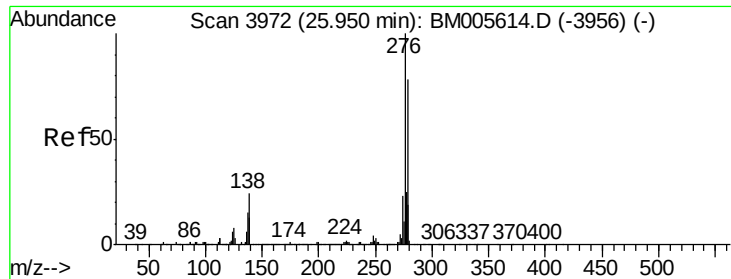
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#88
Benzo(a)pyrene
Concen: 37.82 ng/ul
RT: 23.55 min Scan# 3564
Delta R.T. 0.01 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	11.3	7.6	11.4





#89

Indeno(1,2,3-cd)pyrene

Concen: 18.36 ng/ul

RT: 25.96 min Scan# 3974

Delta R.T. 0.01 min

Lab File: BM005629.D

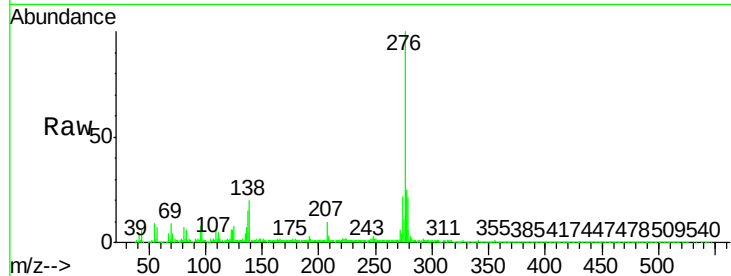
Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

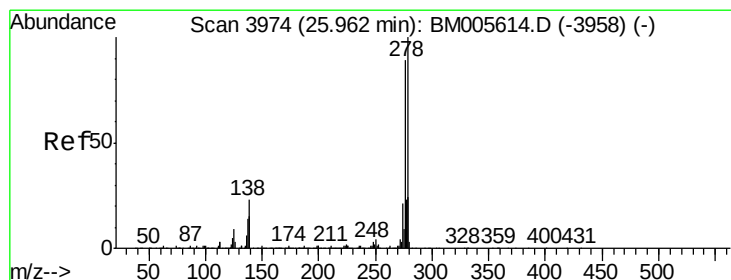
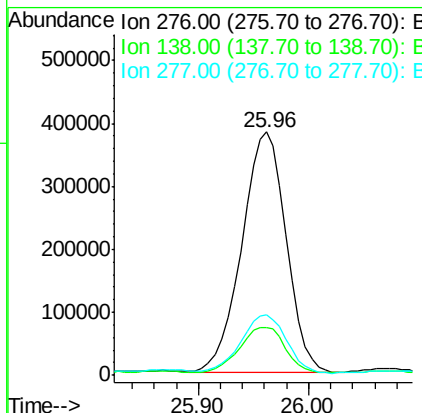
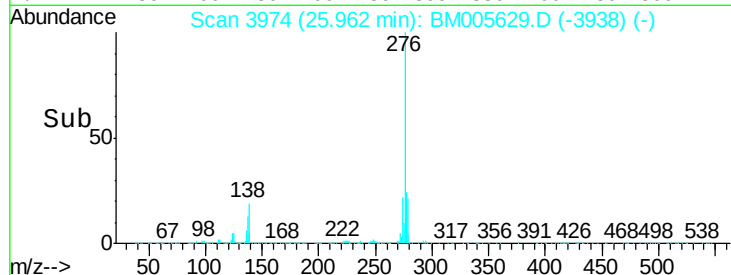
JHGL2RE



Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.9	25.3
277	24.9	20.2	30.4

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#90

Dibenzo(a,h)anthracene

Concen: 5.20 ng/ul

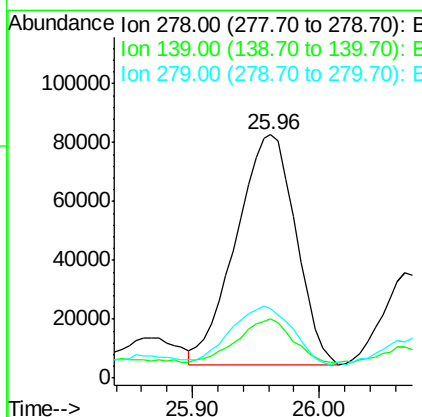
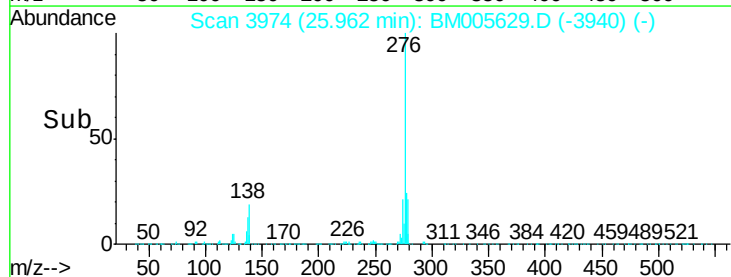
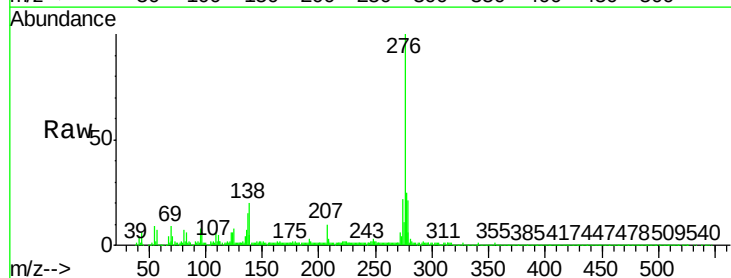
RT: 25.96 min Scan# 3974

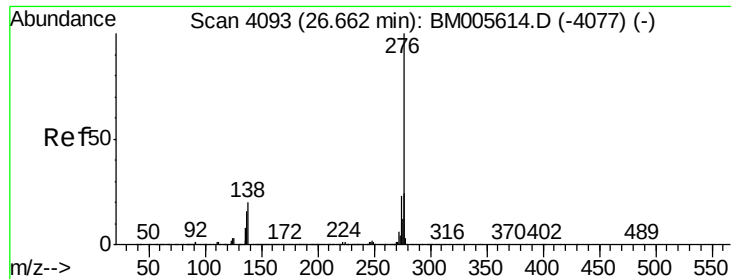
Delta R.T. 0.00 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.3	11.8	17.6#
279	28.4	19.4	29.2





#91

Benzo(g,h,i)perylene

Concen: 21.72 ng/ul

RT: 26.67 min Scan# 4095

Delta R.T. 0.01 min

Lab File: BM005629.D

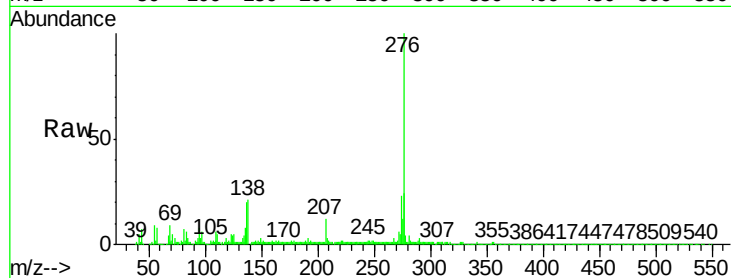
Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

JHGL2RE



Tgt Ion: 276 Resp: 1069547

Ion Ratio Lower Upper

276 100

138 21.1 15.0 22.6

277 24.4 18.6 28.0

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