

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005632.D
 Acq On : 24 May 2016 05:30
 Operator : UM/SJ
 Sample : H3086-02RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 JHGF3RE

Manual Integrations
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Quant Time: May 24 08:01:18 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	213619	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	871071	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	405656	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	703656	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	726540	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	741747	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	14073	2.89	ng/uL	0.00
5) Phenol-d5	6.99	99	361608	20.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	224705	22.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	309634	21.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	279099	19.45	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	149821	22.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	160835	21.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	277537	20.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	109599	7.93	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	710759	21.46	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	926763	22.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	99228	15.84	ng/ul	0.01
57) Fluorene-d10	15.44	176	572331	19.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	22062	5.45	ng/ul	0.01
70) Anthracene-d10	17.29	188	775096	23.12	ng/ul	0.01
76) Pyrene-d10	19.59	212	828613	25.18	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.52	264	748295	21.60	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.65	128	112886	2.58	ng/ul	98
34) 2-Methylnaphthalene	12.26	142	91686	2.86	ng/ul	100
44) Dimethylphthalate	13.90	163	117501	3.59	ng/ul#	95
47) Acenaphthylene	14.17	152	269334	6.40	ng/ul	95
49) Acenaphthene	14.51	153	27767	1.00	ng/ul#	89
53) Dibenzofuran	14.84	168	46755	1.18	ng/ul#	82
58) Fluorene	15.49	166	81451	2.57	ng/ul#	83
69) Phenanthrene	17.24	178	1100560	27.99	ng/ul	97
71) Anthracene	17.33	178	332659m	8.30	ng/ul	
72) Carbazole	17.60	167	65678	1.89	ng/ul#	60
74) Fluoranthene	19.25	202	1249438	28.23	ng/ul	98
77) Pyrene	19.62	202	1495856	35.81	ng/ul	100
80) Benzo(a)anthracene	21.36	228	478349	11.20	ng/ul#	84
81) Bis(2-ethylhexyl)phthalate	21.27	149	36813	1.48	ng/ul#	91
82) Chrysene	21.40	228	637583	15.69	ng/ul#	94
85) Benzo(b)fluoranthene	22.97	252	713638	16.31	ng/ul#	86
86) Benzo(k)fluoranthene	23.01	252	237203m	5.73	ng/ul	
88) Benzo(a)pyrene	23.57	252	610328	14.38	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	26.00	276	535847	10.63	ng/ul	98
90) Dibenzo(a,h)anthracene	26.00	278	107027	2.55	ng/ul#	62
91) Benzo(g,h,i)perylene	26.72	276	589022	13.90	ng/ul	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

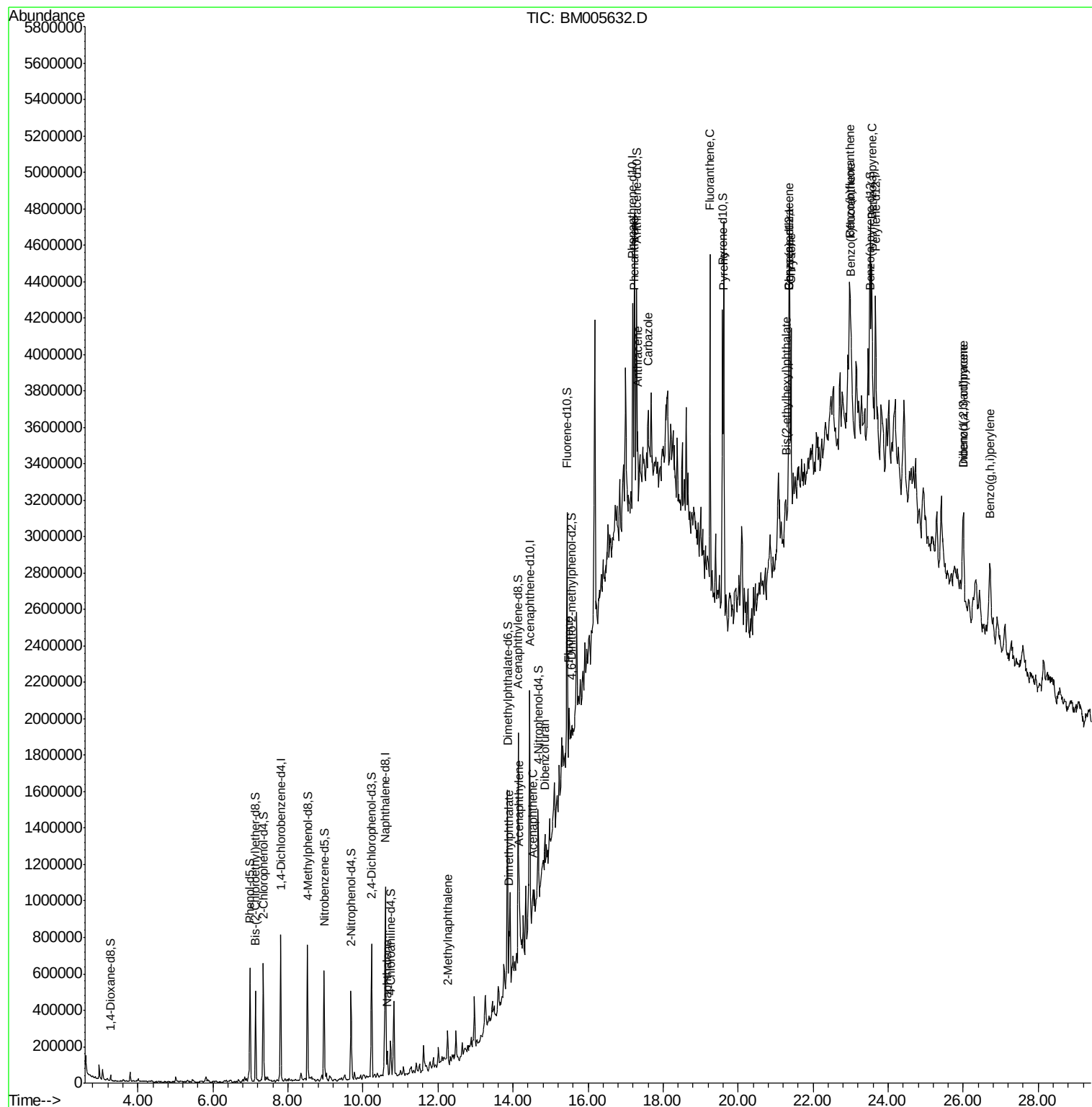
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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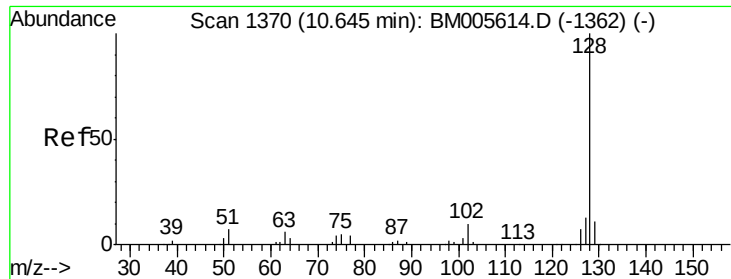
Instrument :
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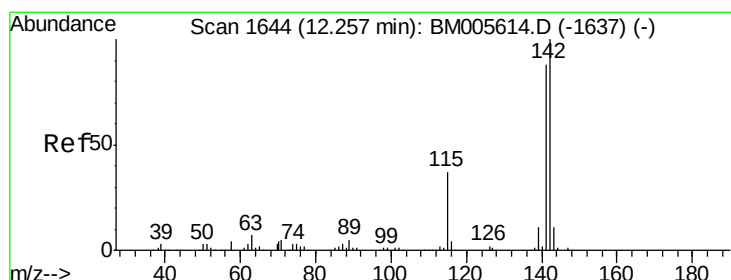
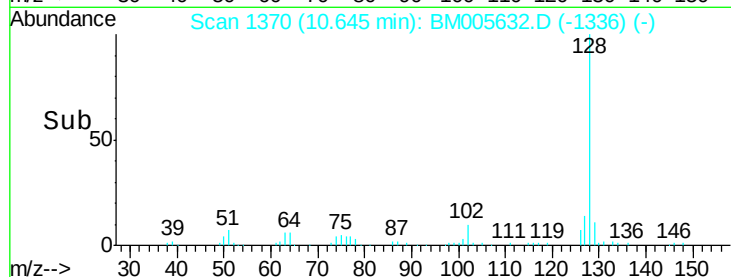
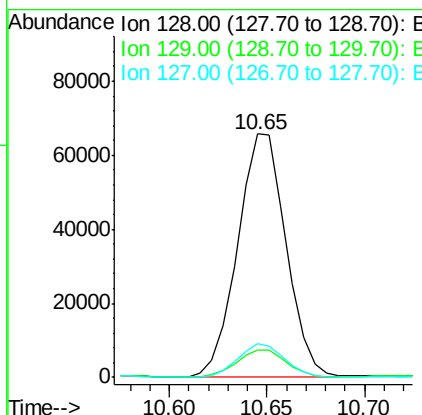
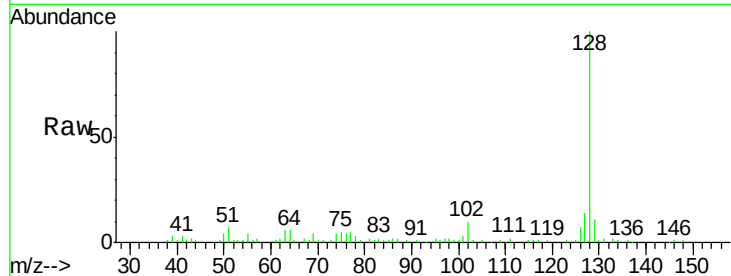
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Naphthalene
Concen: 2.58 ng/ul
RT: 10.65 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	112886		
129	11.4		8.6	13.0
127	13.8		10.6	15.8

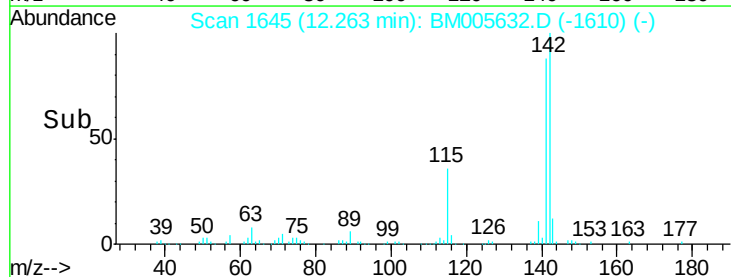
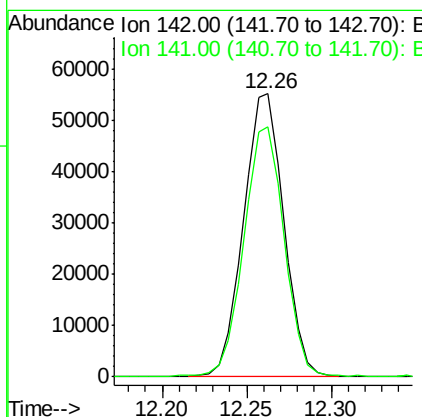
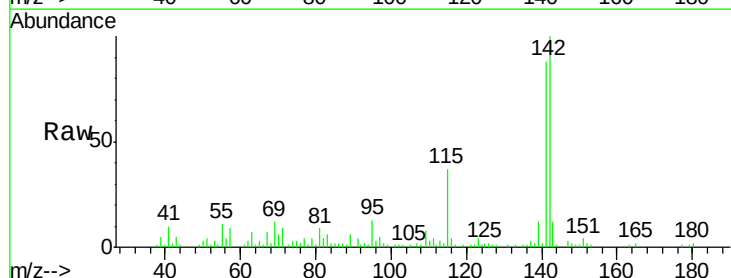
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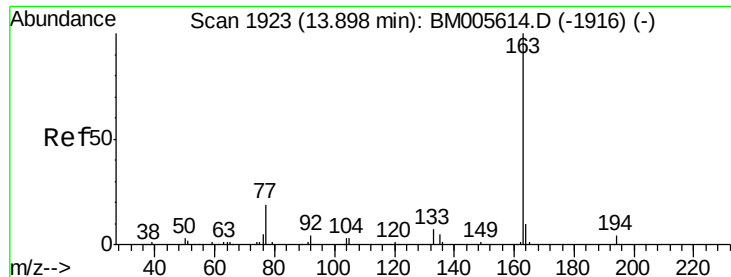
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#34
2-Methylnaphthalene
Concen: 2.86 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	91686		
141	88.4		70.6	106.0





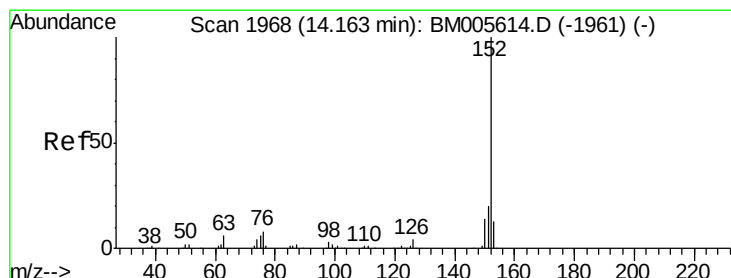
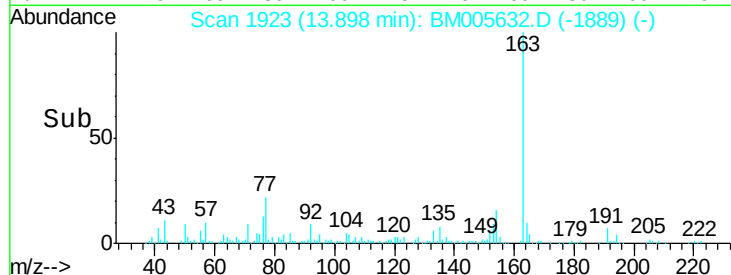
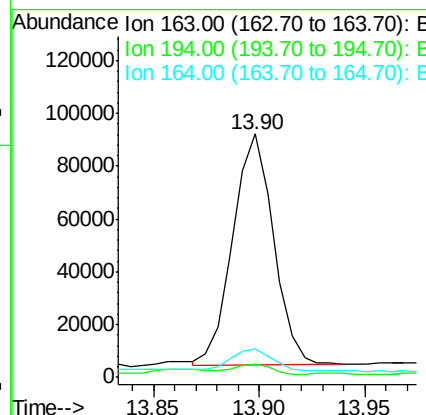
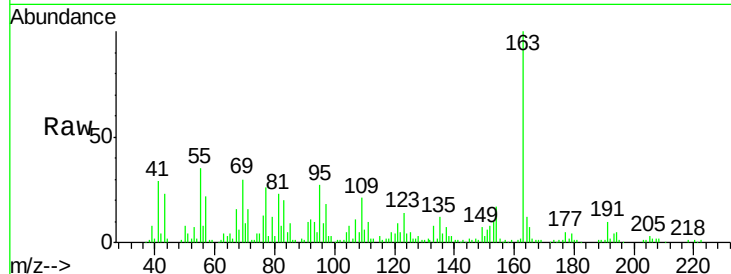
#44
Dimethylphthalate
Concen: 3.59 ng/ul
RT: 13.90 min Scan# 1923
Delta R.T. -0.00 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	117501		
194	5.2	3.4	5.0#	
164	11.9	8.0	12.0	

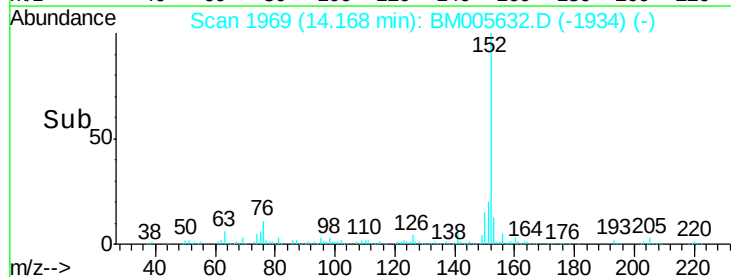
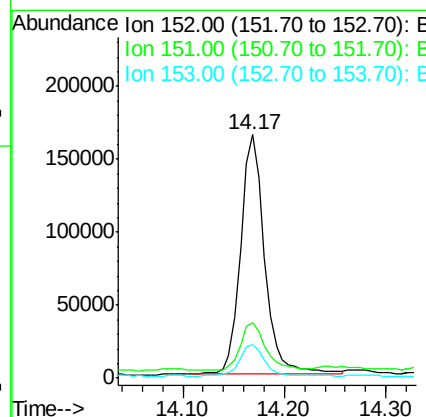
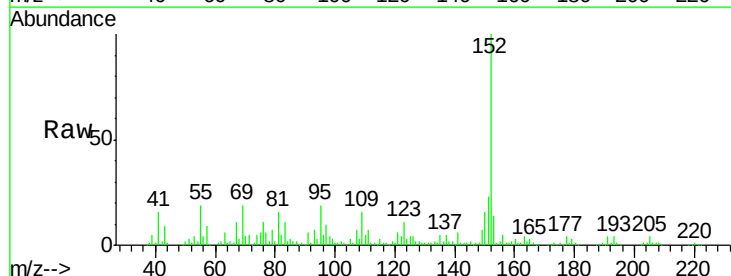
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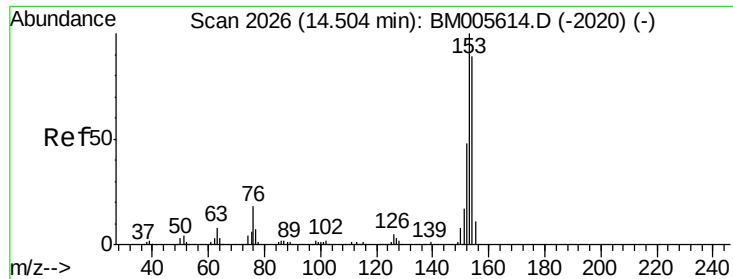
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#47
Acenaphthylene
Concen: 6.40 ng/ul
RT: 14.17 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	269334		
151	22.8	15.7	23.5	
153	14.0	10.5	15.7	





#49

Acenaphthene

Concen: 1.00 ng/ul

RT: 14.51 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM005632.D

Acq: 24 May 2016 05:30

Instrument :

BNA_M

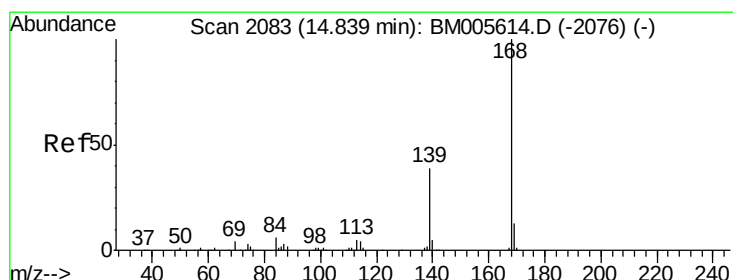
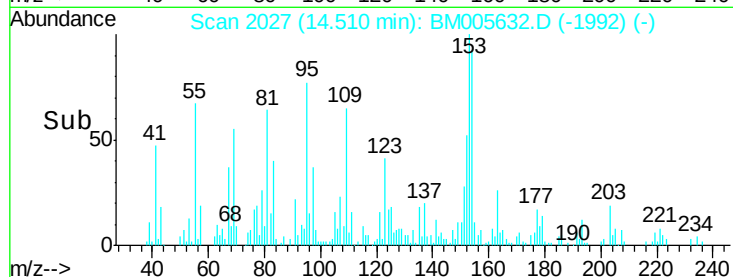
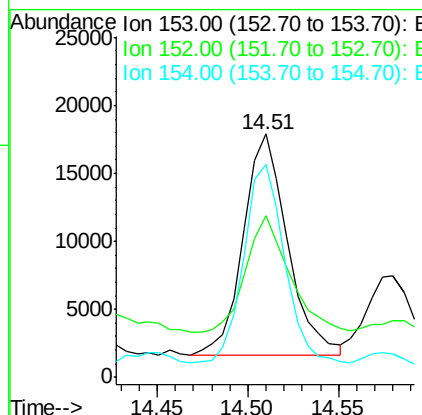
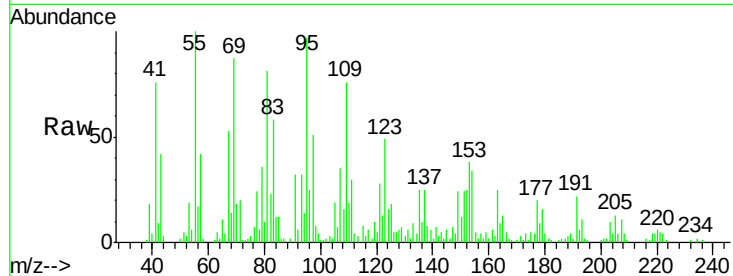
ClientSampleId :

JHGF3RE

Tgt Ion:153 Resp: 27767
 Ion Ratio Lower Upper
 153 100
 152 66.4 37.8 56.6#
 154 87.4 71.1 106.7

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#53

Dibenzofuran

Concen: 1.18 ng/ul

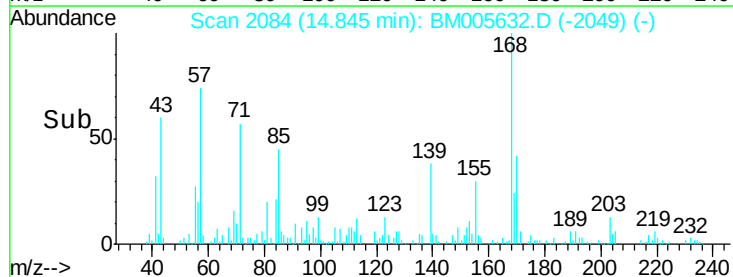
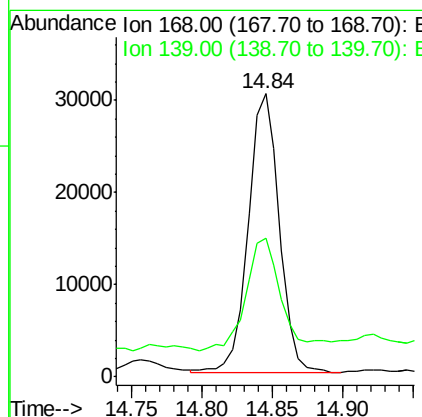
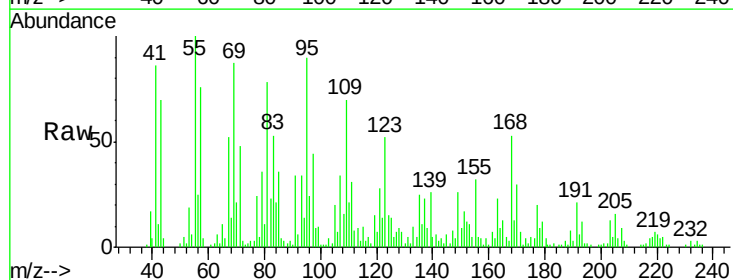
RT: 14.84 min Scan# 2084

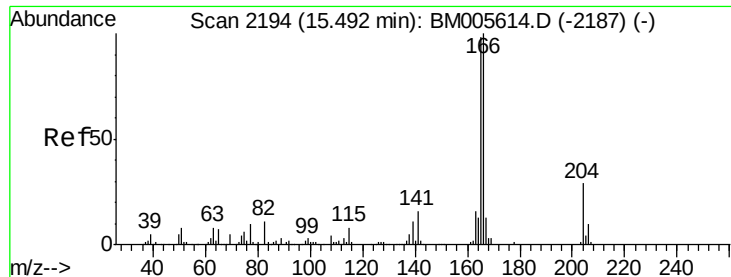
Delta R.T. 0.01 min

Lab File: BM005632.D

Acq: 24 May 2016 05:30

Tgt Ion:168 Resp: 46755
 Ion Ratio Lower Upper
 168 100
 139 48.9 30.6 46.0#





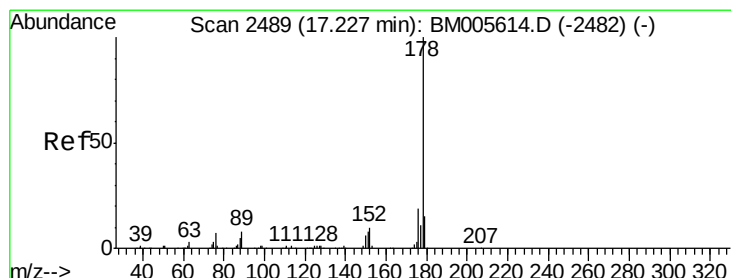
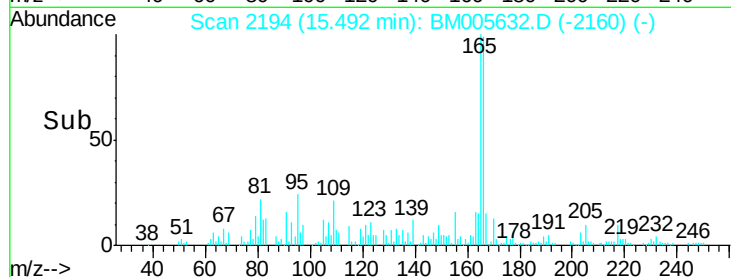
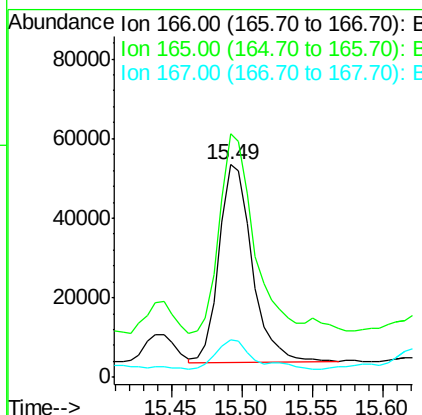
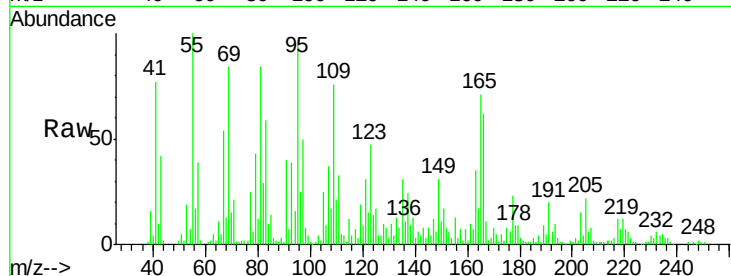
#58
 Fluorene
 Concen: 2.57 ng/ul
 RT: 15.49 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BM005632.D
 Acq: 24 May 2016 05:30

Instrument :
 BNA_M
 ClientSampleId :
 JHGF3RE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.5	78.0	117.0
167	17.6	10.5	15.7

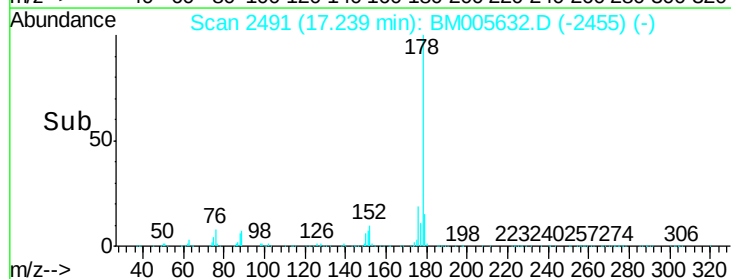
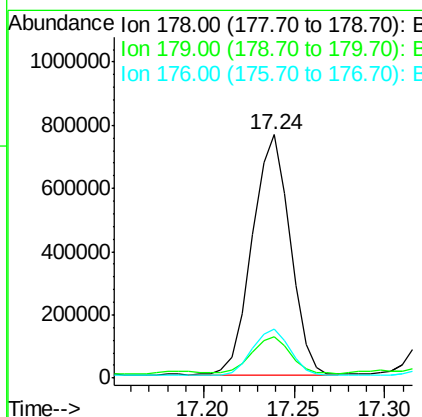
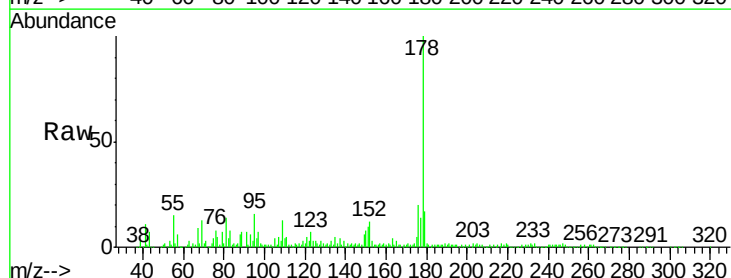
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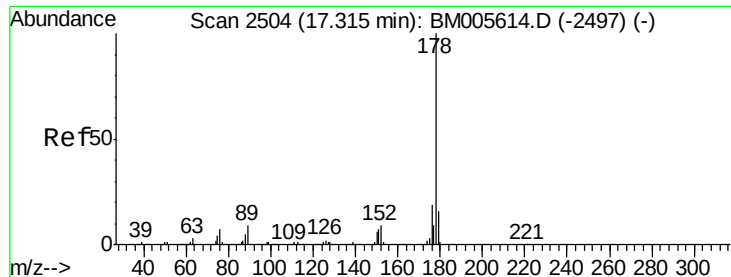
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#69
 Phenanthrene
 Concen: 27.99 ng/ul
 RT: 17.24 min Scan# 2491
 Delta R.T. 0.01 min
 Lab File: BM005632.D
 Acq: 24 May 2016 05:30

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.2	18.2
176	20.2	15.8	23.6





#71

Anthracene

Concen: 8.30 ng/ul m

RT: 17.33 min Scan# 2506

Delta R.T. 0.01 min

Lab File: BM005632.D

Acq: 24 May 2016 05:30

Instrument :

BNA_M

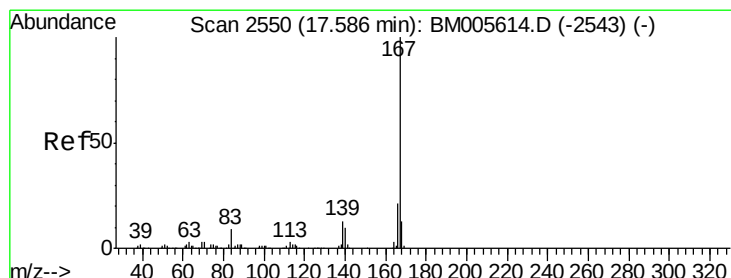
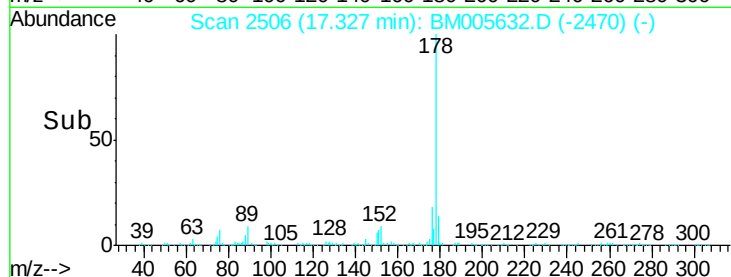
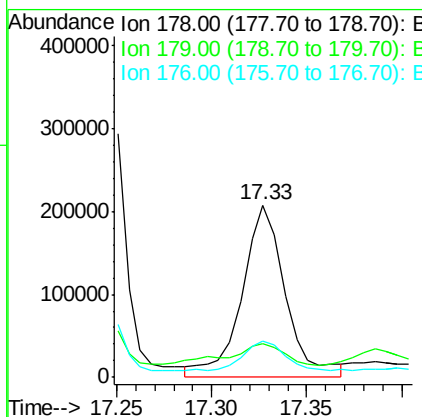
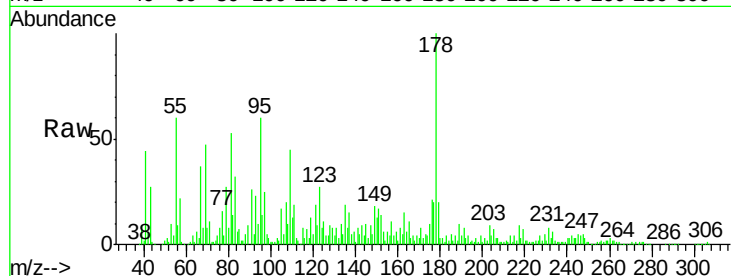
ClientSampleId :

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Tgt Ion:	178	Resp:	332659
Ion Ratio	Lower	Upper	
178	100		
179	19.9	12.6	18.8#
176	21.2	15.0	22.4

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#72

Carbazole

Concen: 1.89 ng/ul

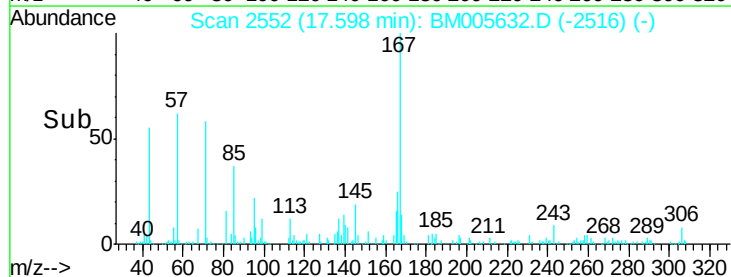
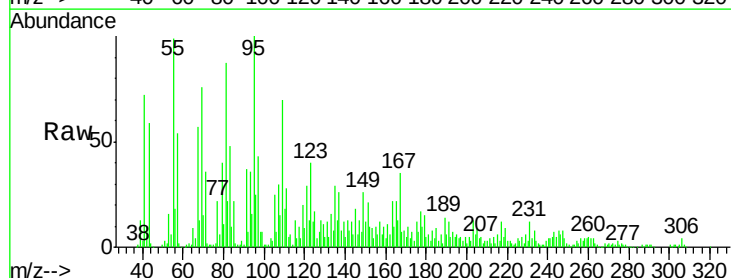
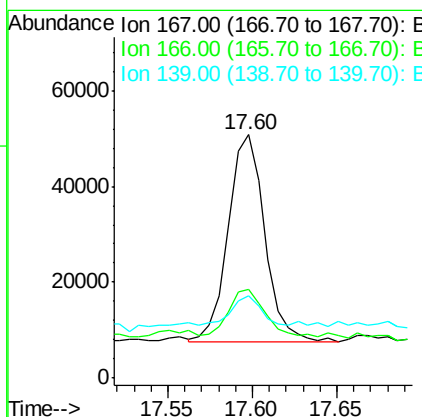
RT: 17.60 min Scan# 2552

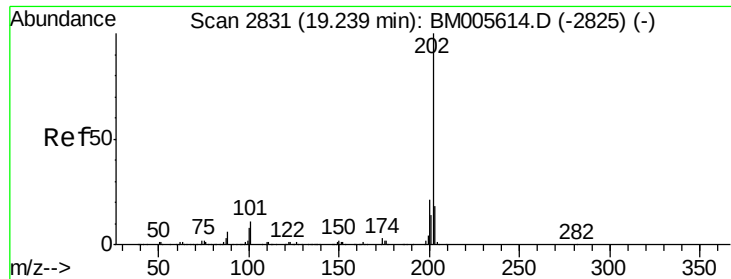
Delta R.T. 0.01 min

Lab File: BM005632.D

Acq: 24 May 2016 05:30

Tgt Ion:	167	Resp:	65678
Ion Ratio	Lower	Upper	
167	100		
166	36.6	16.9	25.3#
139	33.6	10.6	16.0#





#74

Fluoranthene

Concen: 28.23 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM005632.D

Acq: 24 May 2016 05:30

Instrument :

BNA_M

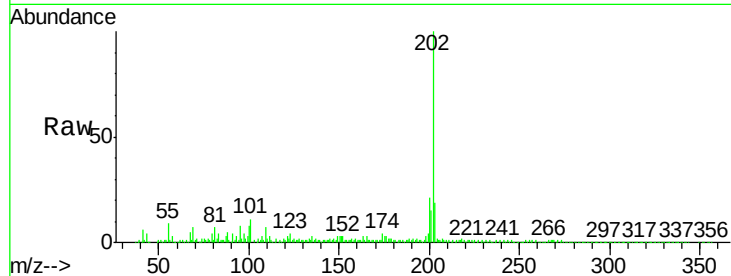
ClientSampleId :

JHGF3RE

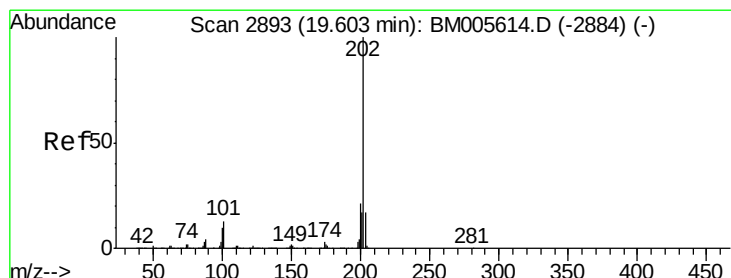
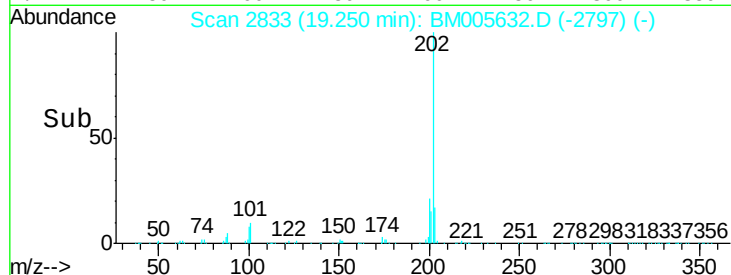
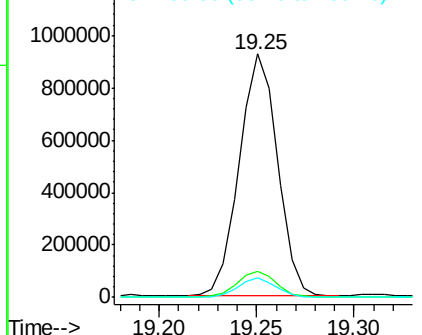
Tgt Ion:	202	Resp:	1249438
Ion Ratio	Lower	Upper	
202	100		
101	10.6	7.9	11.9
100	7.9	5.6	8.4

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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



#77

Pyrene

Concen: 35.81 ng/ul

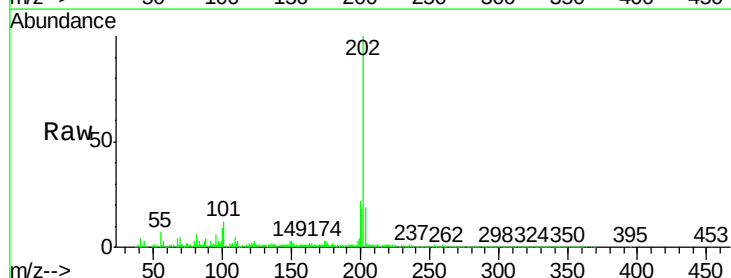
RT: 19.62 min Scan# 2895

Delta R.T. 0.01 min

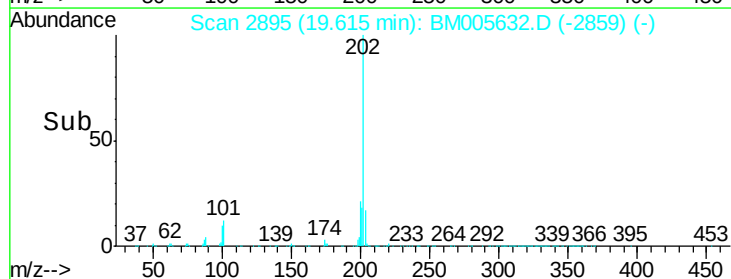
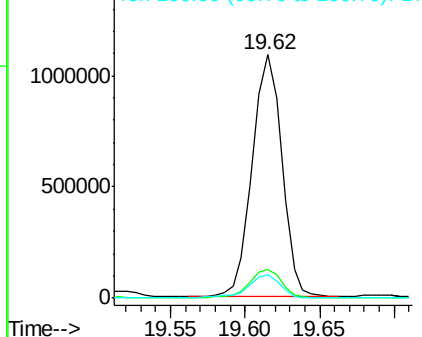
Lab File: BM005632.D

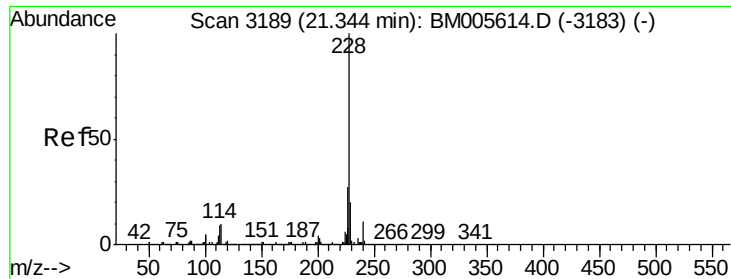
Acq: 24 May 2016 05:30

Tgt Ion:	202	Resp:	1495856
Ion Ratio	Lower	Upper	
202	100		
101	11.9	9.6	14.4
100	9.5	7.8	11.6



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





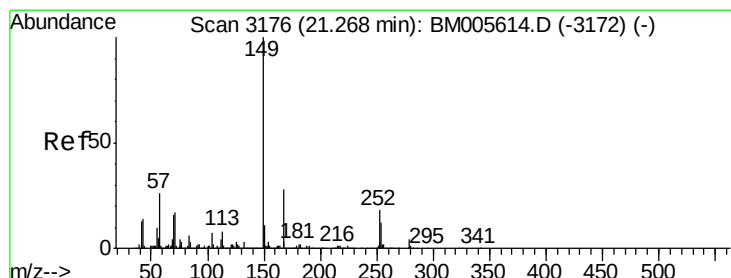
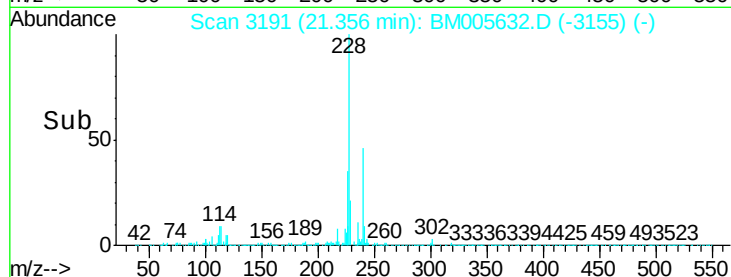
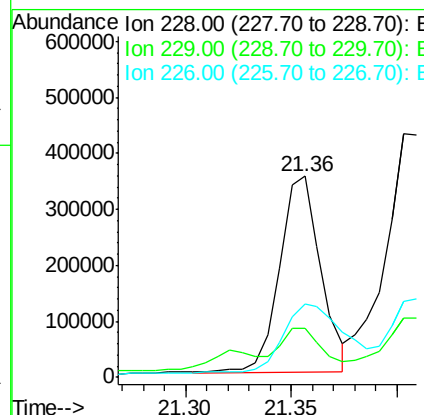
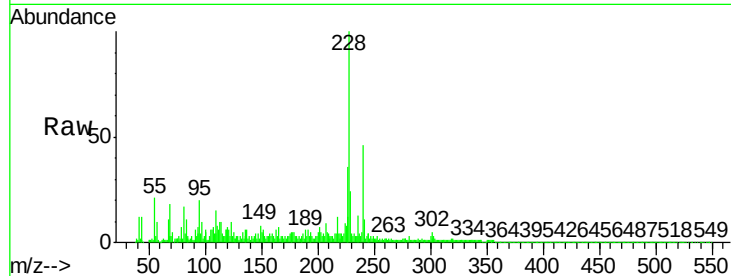
#80
Benzo(a)anthracene
Concen: 11.20 ng/ul
RT: 21.36 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	24.1	15.4	23.2#
226	36.2	21.0	31.4#

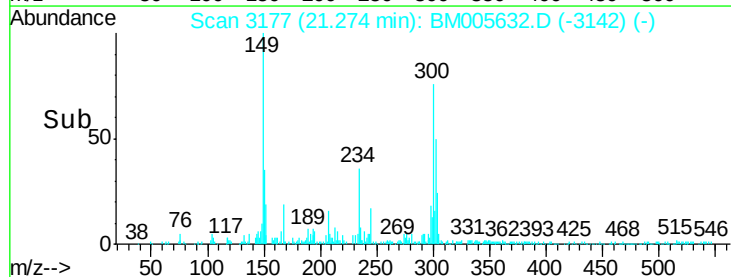
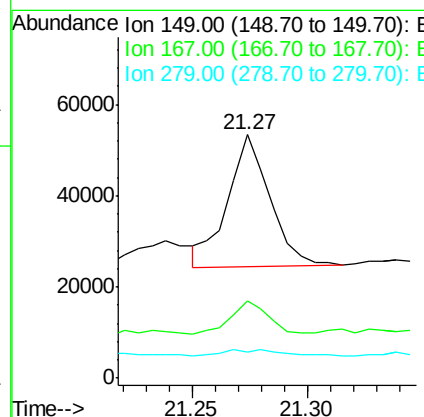
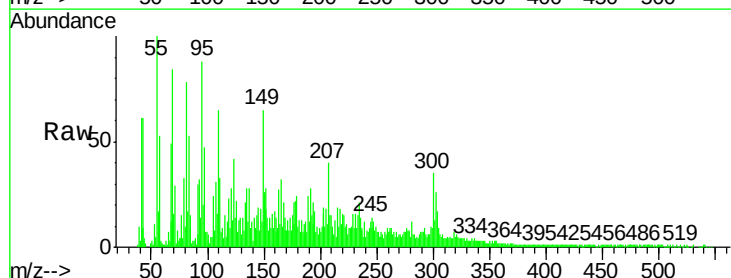
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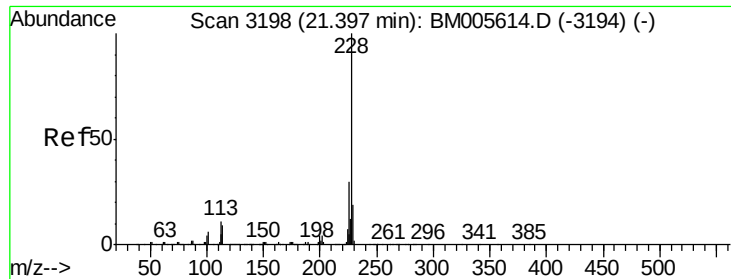
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#81
Bis(2-ethylhexyl)phthalate
Concen: 1.48 ng/ul
RT: 21.27 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	31.5	22.0	33.0
279	10.8	3.8	5.8#





#82

Chrysene

Concen: 15.69 ng/ul

RT: 21.40 min Scan# 3199

Delta R.T. 0.01 min

Lab File: BM005632.D

Acq: 24 May 2016 05:30

Instrument :

BNA_M

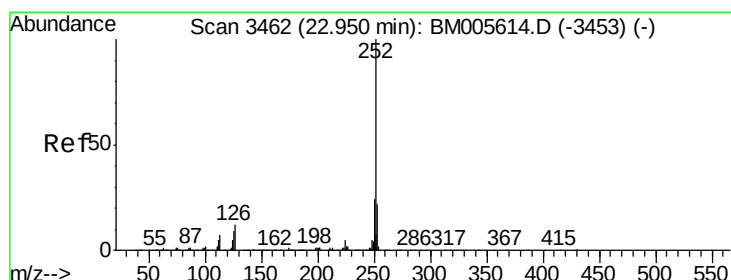
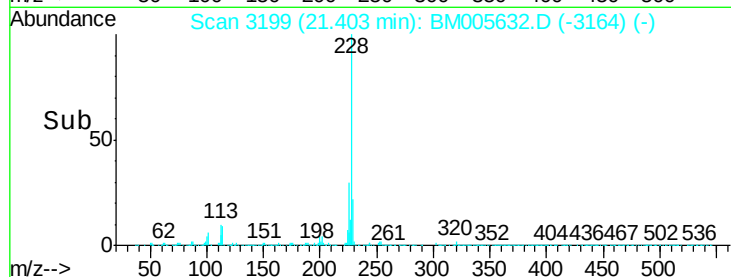
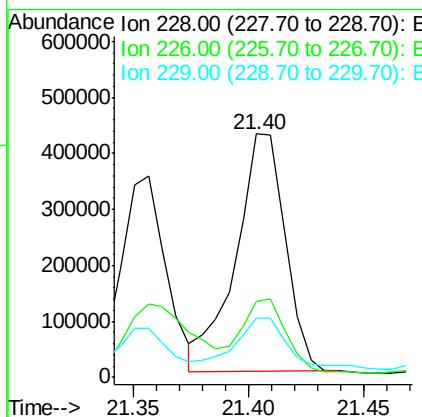
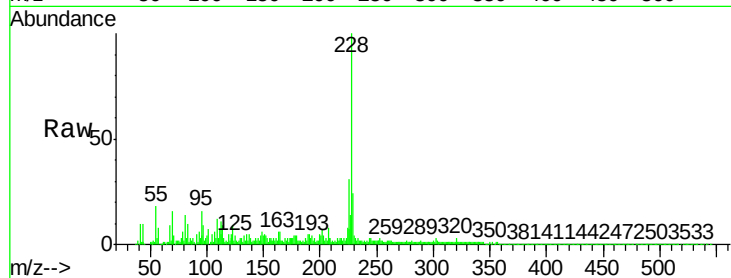
ClientSampleId :

JHGF3RE

Tgt Ion:	228	Resp:	637583
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.7	35.5
229	24.1	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 16.31 ng/ul

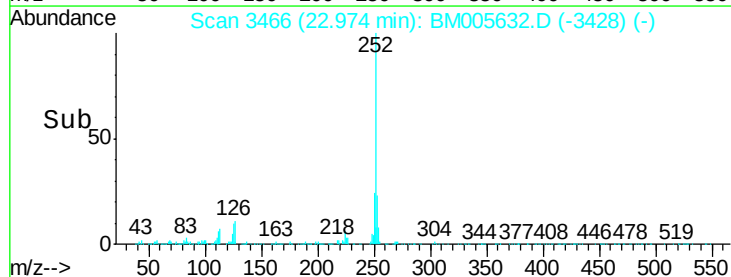
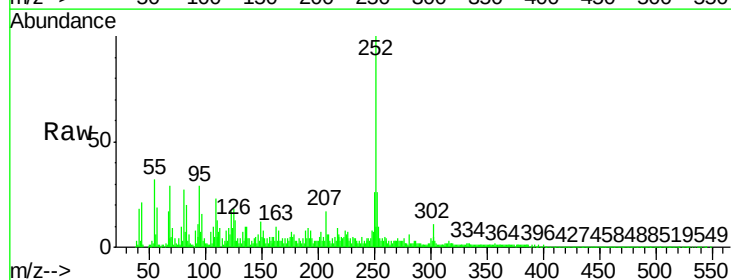
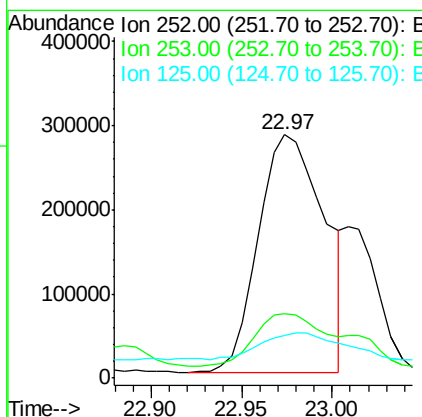
RT: 22.97 min Scan# 3466

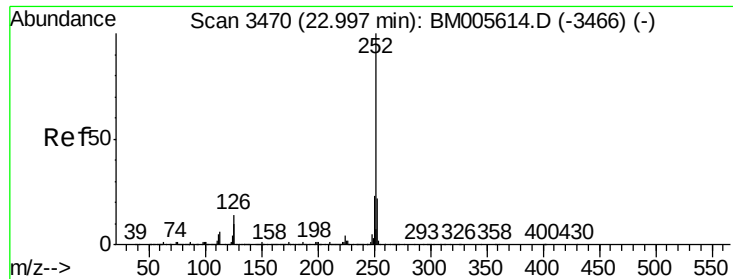
Delta R.T. 0.02 min

Lab File: BM005632.D

Acq: 24 May 2016 05:30

Tgt Ion:	252	Resp:	713638
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.3	25.9
125	17.7	7.0	10.4





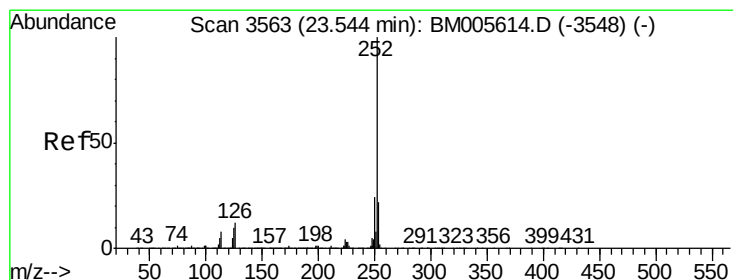
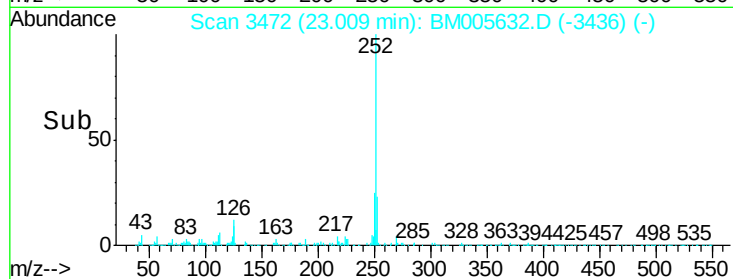
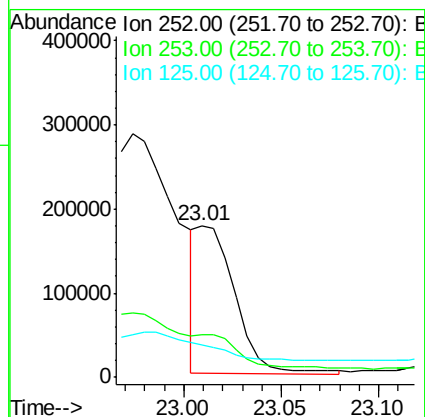
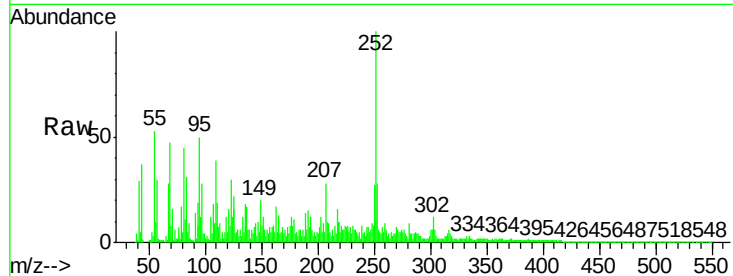
#86
Benzo(k)fluoranthene
Concen: 5.73 ng/ul m
RT: 23.01 min Scan# 3472
Delta R.T. 0.01 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Instrument :
BNA_M
ClientSampleId :
JHGF3RE

Tgt Ion:	252	Resp:	237203
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.5	26.3#
125	21.6	7.0	10.6#

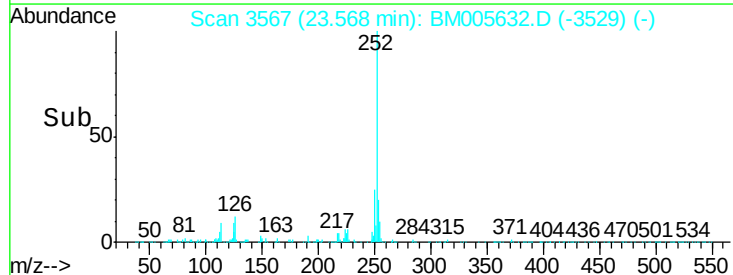
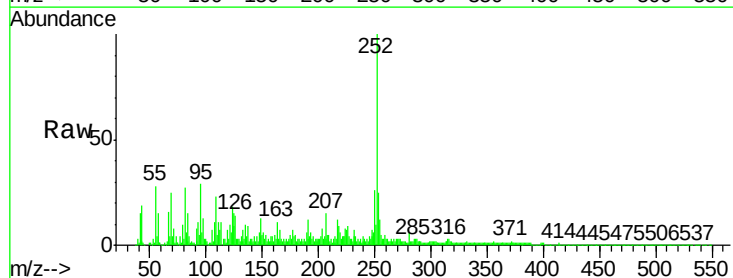
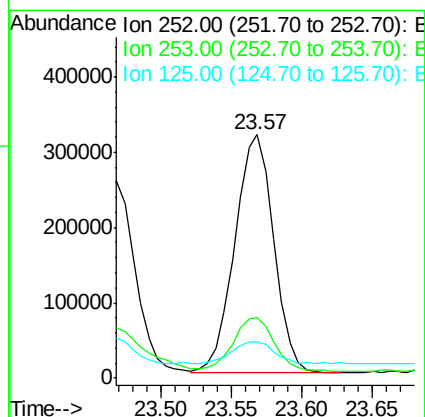
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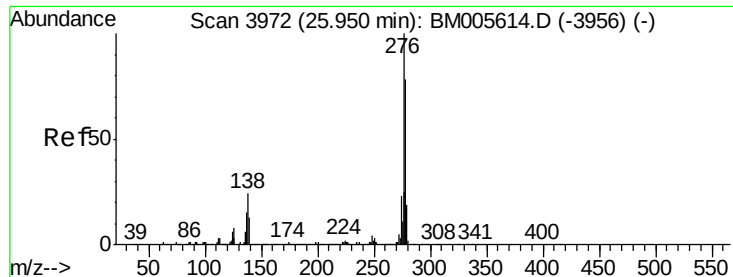
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#88
Benzo(a)pyrene
Concen: 14.38 ng/ul
RT: 23.57 min Scan# 3567
Delta R.T. 0.02 min
Lab File: BM005632.D
Acq: 24 May 2016 05:30

Tgt Ion:	252	Resp:	610328
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.6	26.4
125	14.8	7.6	11.4#





#89

Indeno(1,2,3-cd)pyrene

Concen: 10.63 ng/ul

RT: 26.00 min Scan# 3980

Delta R.T. 0.05 min

Lab File: BM005632.D

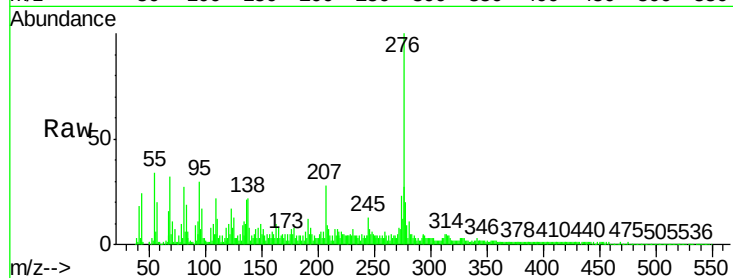
Acq: 24 May 2016 05:30

Instrument :

BNA_M

ClientSampleId :

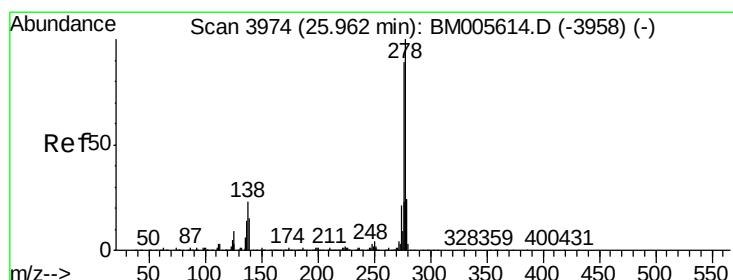
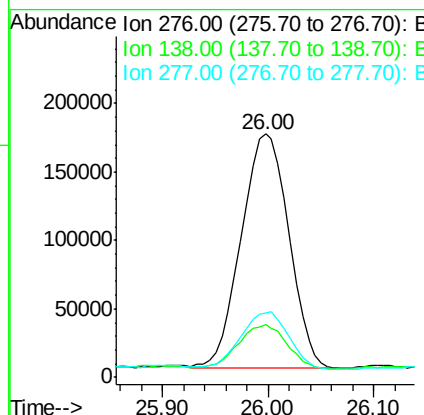
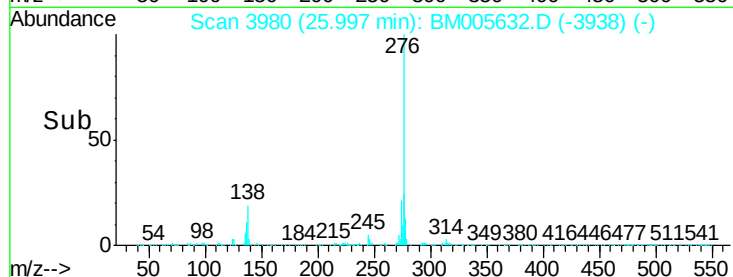
JHGF3RE



Tgt Ion:	276	Resp:	535847
Ion Ratio	Lower	Upper	
276	100		
138	21.7	16.9	25.3
277	26.6	20.2	30.4

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#90

Dibenzo(a,h)anthracene

Concen: 2.55 ng/ul

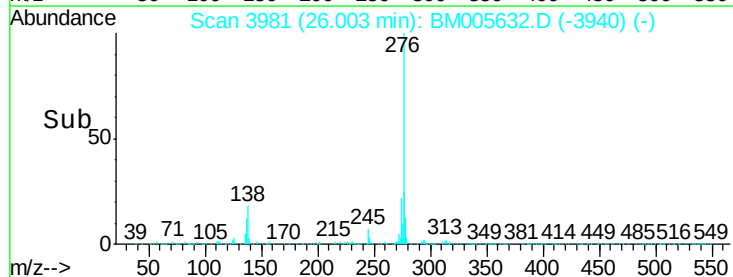
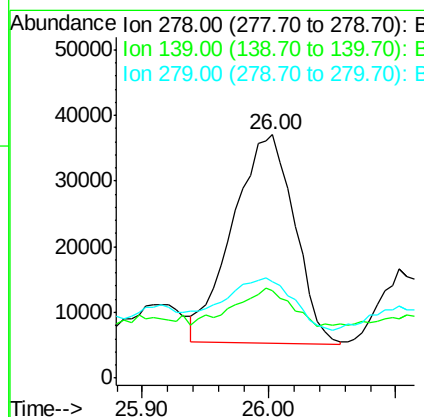
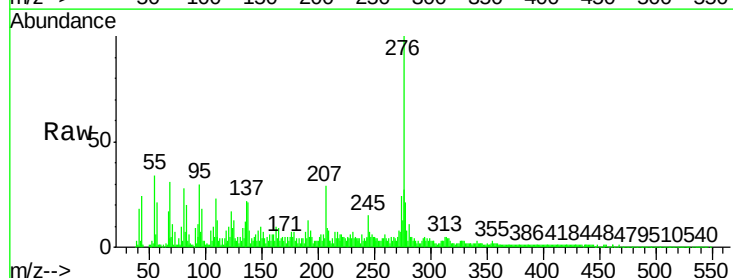
RT: 26.00 min Scan# 3981

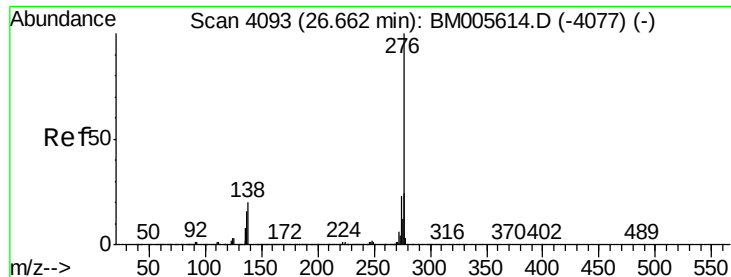
Delta R.T. 0.04 min

Lab File: BM005632.D

Acq: 24 May 2016 05:30

Tgt Ion:	278	Resp:	107027
Ion Ratio	Lower	Upper	
278	100		
139	35.7	11.8	17.6#
279	39.5	19.4	29.2#





#91
 Benzo(g,h,i)perylene
 Concen: 13.90 ng/ul
 RT: 26.72 min Scan# 4103
 Delta R.T. 0.06 min
 Lab File: BM005632.D
 Acq: 24 May 2016 05:30

Instrument :
 BNA_M
 ClientSampleId :
 JHGF3RE

Tgt Ion:	276	Resp:	589022
Ion Ratio	Lower	Upper	
276	100		
138	21.8	15.0	22.6
277	25.4	18.6	28.0

Manual Integrations
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