

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005600.D
 Acq On : 22 May 2016 23:17
 Operator : UM/SJ
 Sample : H3124-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGF1

Manual Integrations
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Quant Time: May 23 07:40:22 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	137766	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	638351	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	365922	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	740928	20.00	ng/ul	0.01
75) Chrysene-d12	21.37	240	703174	20.00	ng/ul	0.01
83) Perylene-d12	23.67	264	665603	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	9757	3.10	ng/uL	0.00
5) Phenol-d5	6.99	99	285455	25.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	156167	23.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	231234	24.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	238745	25.80	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	113915	23.34	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	126042	23.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	237576	23.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	108766	10.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	702898	23.53	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	923773	24.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	113640	20.11	ng/ul	0.00
57) Fluorene-d10	15.44	176	604989	23.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	41627	9.77	ng/ul	0.00
70) Anthracene-d10	17.30	188	904501	25.63	ng/ul	0.01
76) Pyrene-d10	19.59	212	980463	30.79	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.53	264	763759	24.57	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.66	128	81888	2.55	ng/ul	100
34) 2-Methylnaphthalene	12.27	142	60644	2.58	ng/ul	98
44) Dimethylphthalate	13.90	163	89092	3.02	ng/ul#	95
47) Acenaphthylene	14.17	152	476490	12.56	ng/ul	98
49) Acenaphthene	14.52	153	59507	2.38	ng/ul	95
53) Dibenzofuran	14.84	168	37354	1.05	ng/ul#	73
58) Fluorene	15.50	166	186191	6.51	ng/ul	97
69) Phenanthrene	17.24	178	2822686	68.17	ng/ul	99
71) Anthracene	17.33	178	803390	19.04	ng/ul	97
72) Carbazole	17.60	167	40249	1.10	ng/ul#	51
74) Fluoranthene	19.26	202	4329952	92.90	ng/ul	99
77) Pyrene	19.63	202	5251487	129.91	ng/ul	97
80) Benzo(a)anthracene	21.36	228	1906850m	46.14	ng/ul	
82) Chrysene	21.42	228	1865886	47.45	ng/ul	96
85) Benzo(b)fluoranthene	22.98	252	1799670	45.84	ng/ul#	91
86) Benzo(k)fluoranthene	23.01	252	605735m	16.30	ng/ul	
88) Benzo(a)pyrene	23.57	252	1741967	45.74	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.00	276	1254919	27.74	ng/ul	99
90) Dibenzo(a,h)anthracene	26.00	278	256800	6.82	ng/ul#	79
91) Benzo(g,h,i)perylene	26.73	276	1329134	34.95	ng/ul	96

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

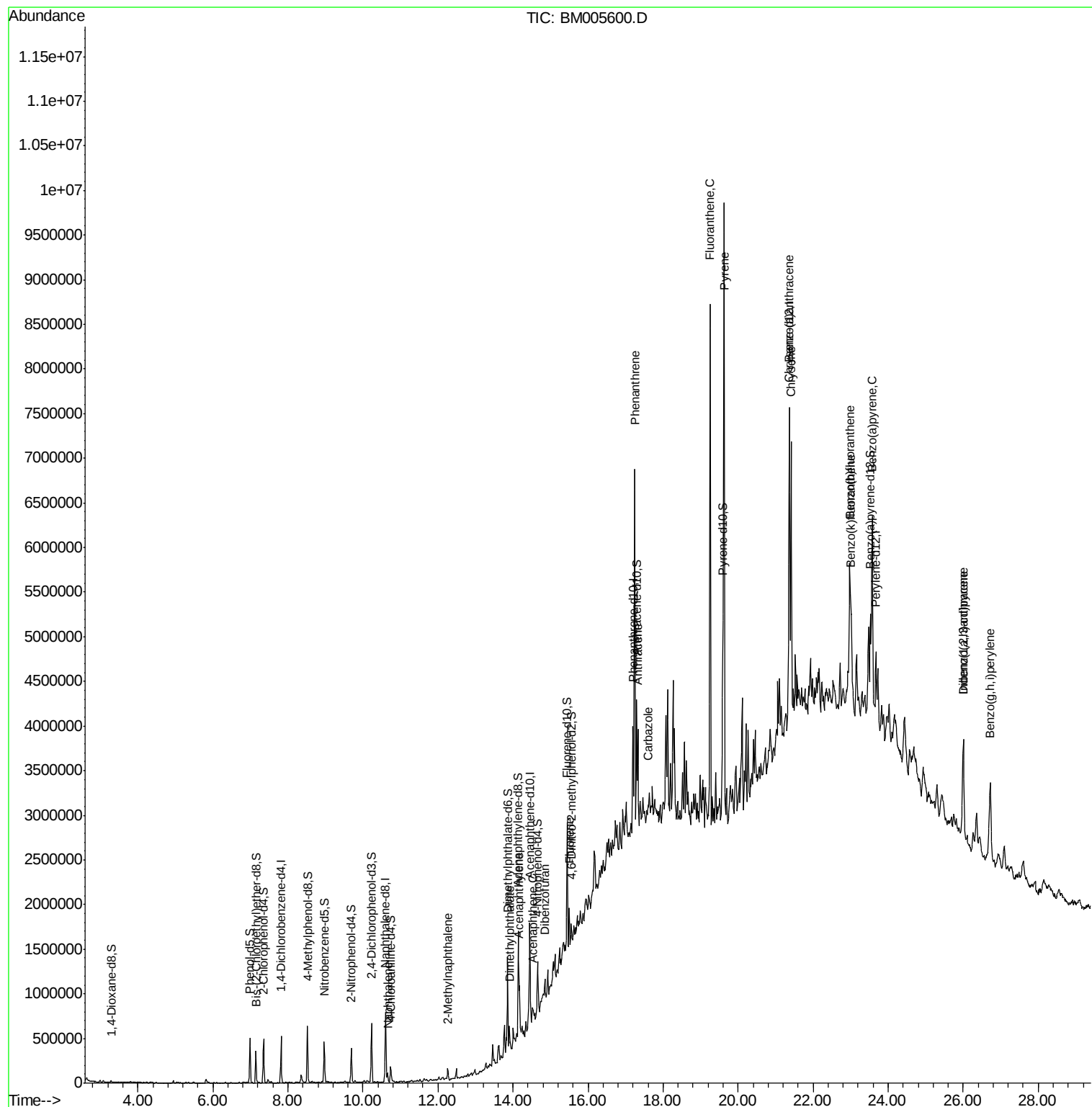
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

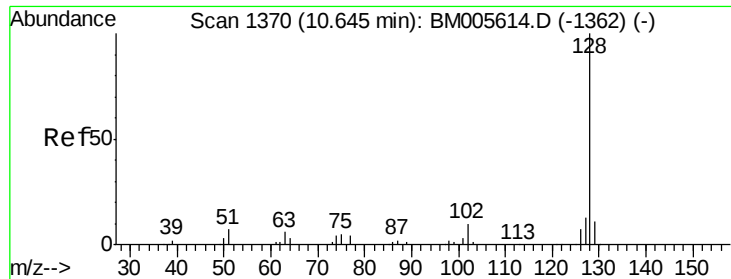
Instrument :
BNA_M
ClientSampled :
JHGF1

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Quant Time: May 23 07:40:22 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
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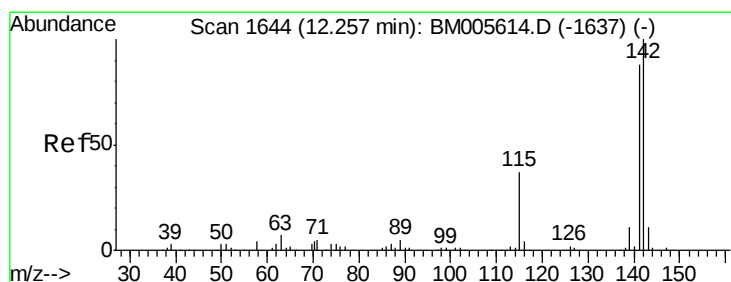
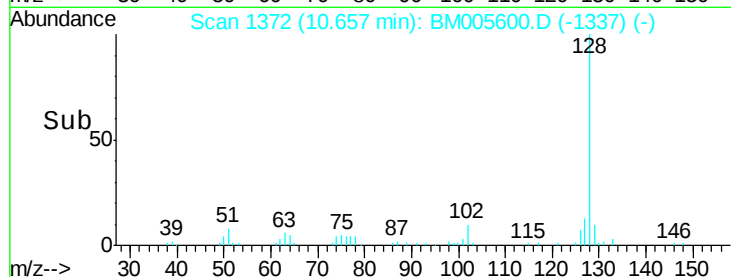
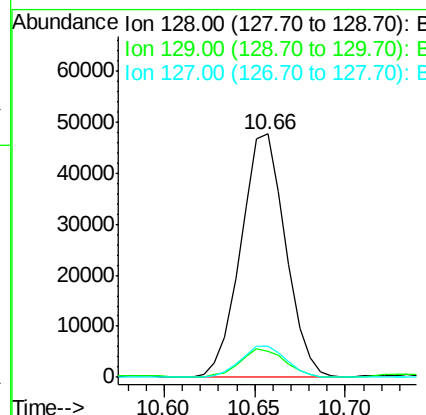
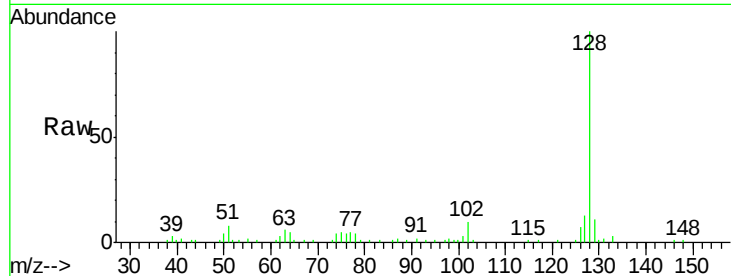
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Naphthalene
Concen: 2.55 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Instrument :
BNA_M
ClientSampleId :
JHGF1

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.6	15.8

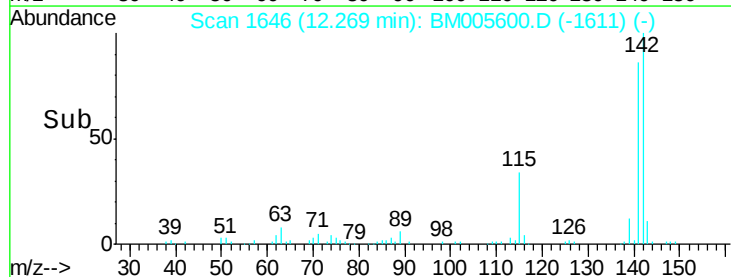
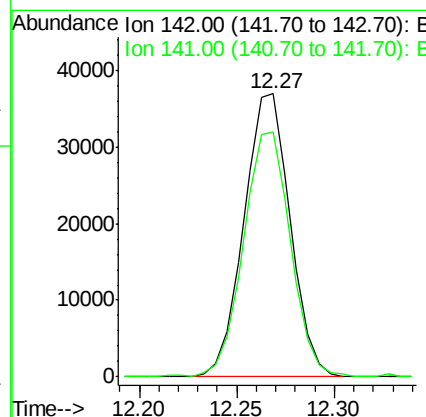
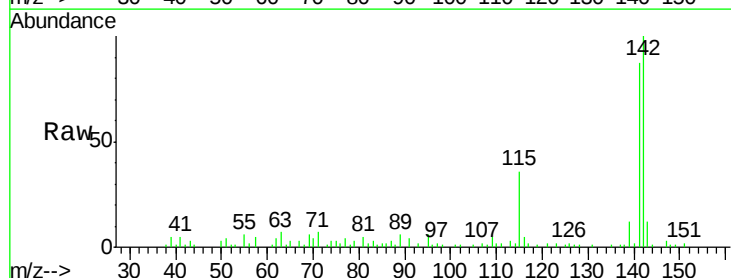
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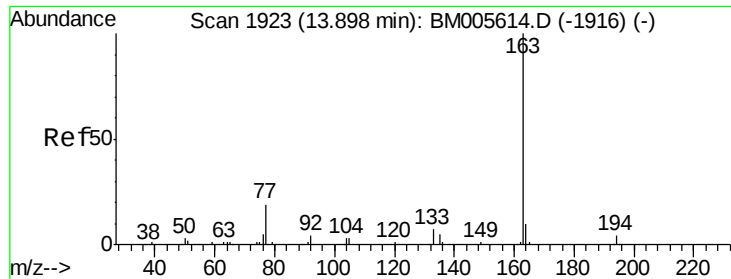
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#34
2-Methylnaphthalene
Concen: 2.58 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. 0.01 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.6	106.0





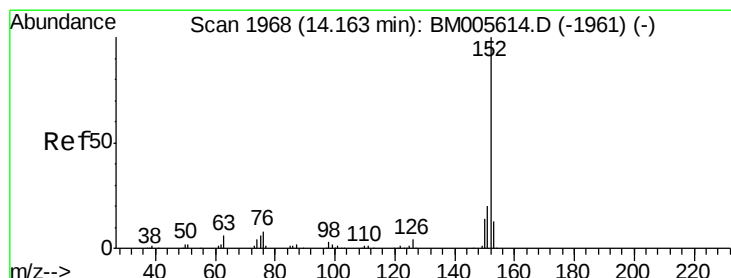
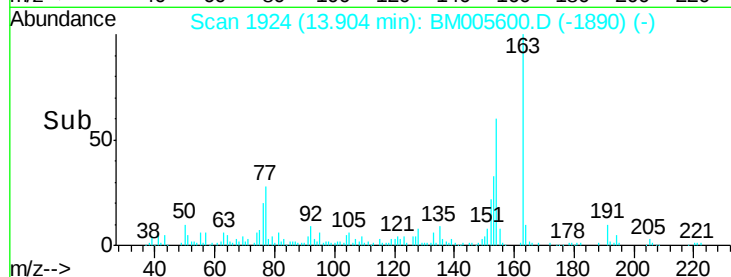
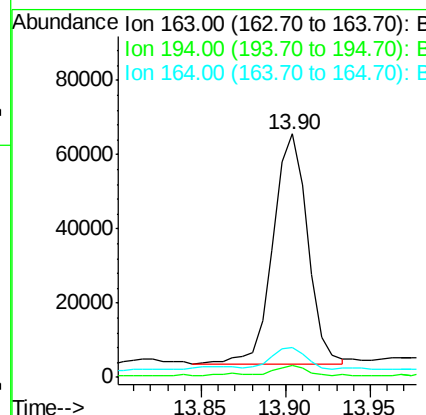
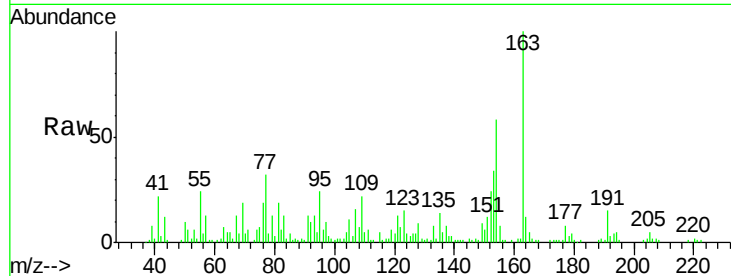
#44
Dimethylphthalate
Concen: 3.02 ng/ul
RT: 13.90 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Instrument :
BNA_M
ClientSampleId :
JHGF1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	89092		
194	5.0	3.4	5.0	
164	12.1	8.0	12.0	

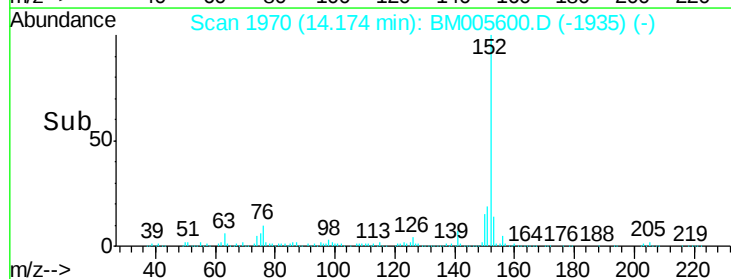
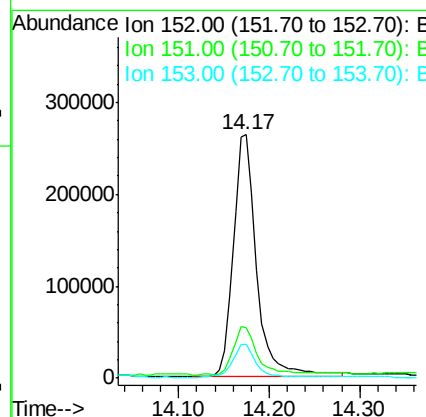
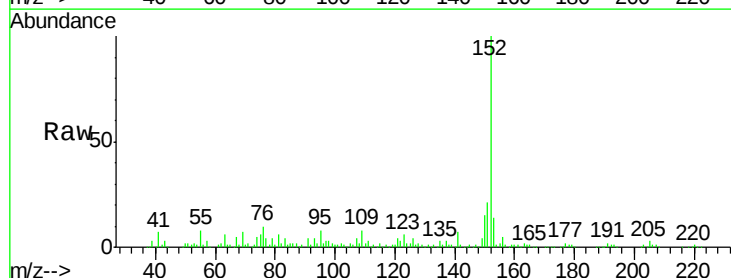
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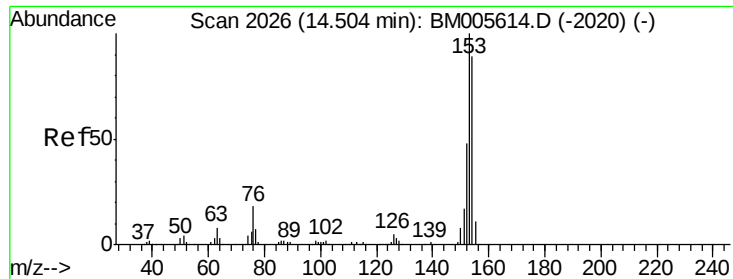
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#47
Acenaphthylene
Concen: 12.56 ng/ul
RT: 14.17 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	476490		
151	20.5	15.7	23.5	
153	14.0	10.5	15.7	





#49

Acenaphthene

Concen: 2.38 ng/ul

RT: 14.52 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BM005600.D

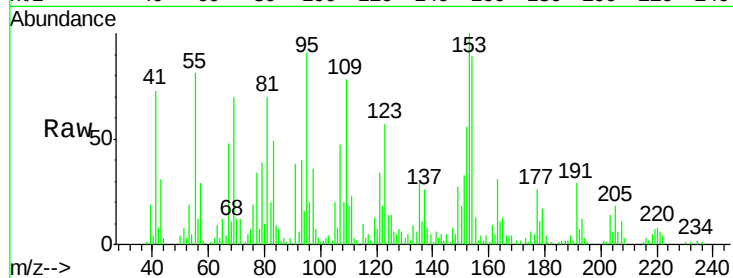
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Instrument :

BNA_M

ClientSampled :

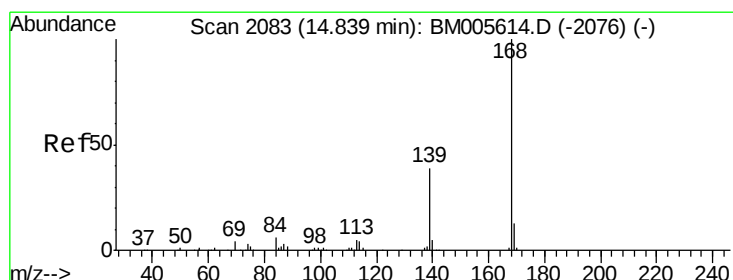
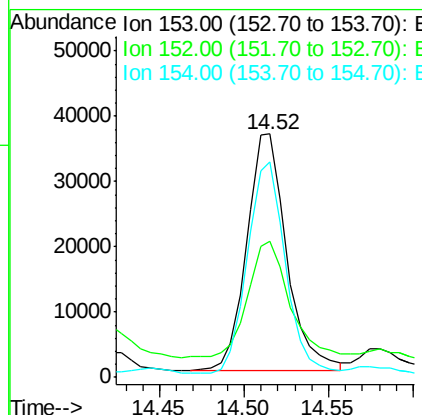
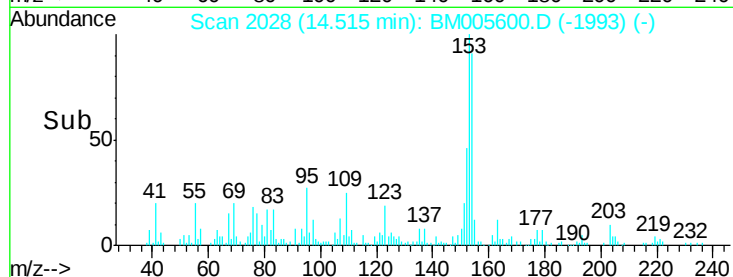
JHGF1



Tgt Ion:	153	Resp:	59507
Ion Ratio	Lower	Upper	
153	100		
152	55.6	37.8	56.6
154	88.7	71.1	106.7

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#53

Dibenzofuran

Concen: 1.05 ng/ul

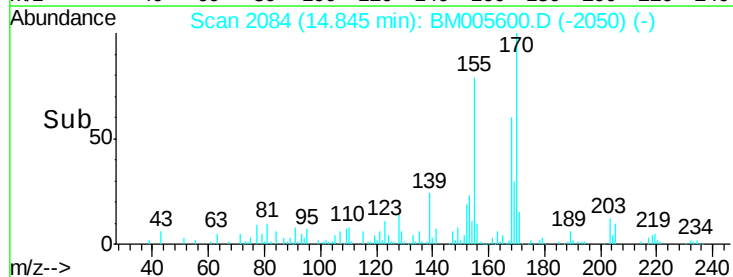
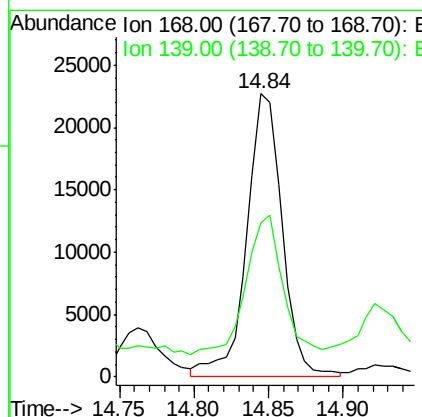
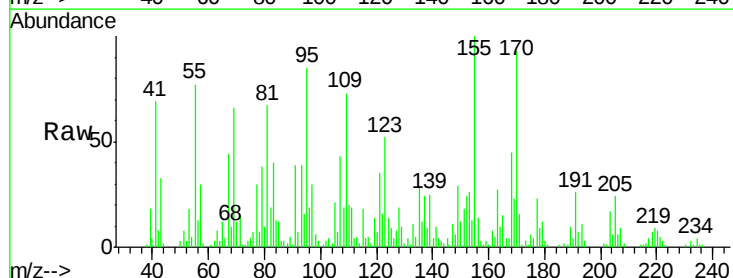
RT: 14.84 min Scan# 2084

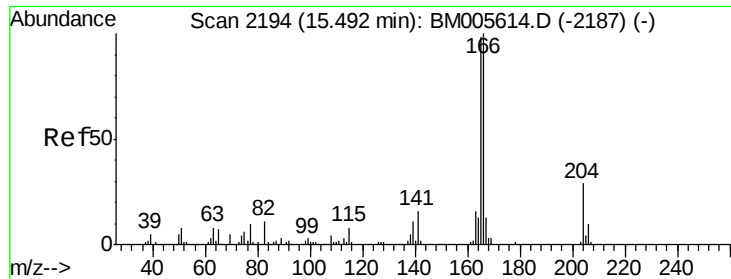
Delta R.T. -0.00 min

Lab File: BM005600.D

Acq: 22 May 2016 23:17

Tgt Ion:	168	Resp:	37354
Ion Ratio	Lower	Upper	
168	100		
139	54.5	30.6	46.0#





#58

Fluorene

Concen: 6.51 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. 0.01 min

Lab File: BM005600.D

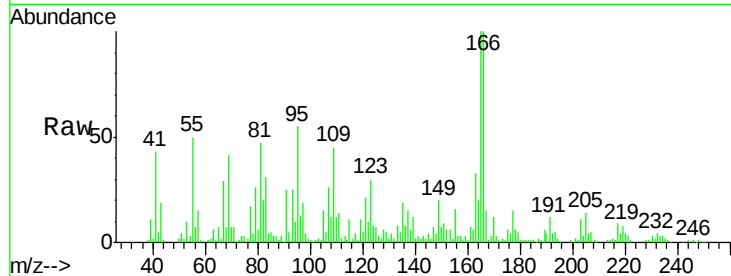
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Instrument :

BNA_M

ClientSampleId :

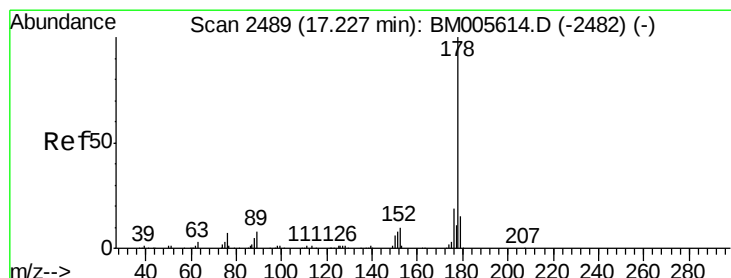
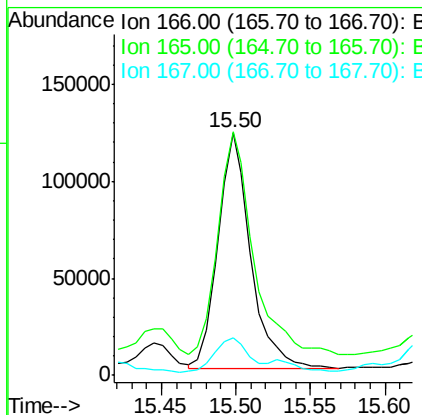
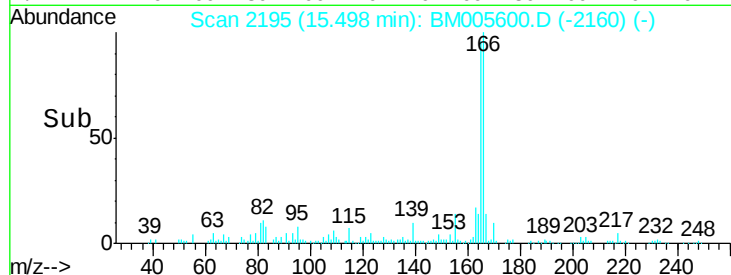
JHGF1



Tgt Ion:	166	Resp:	186191
Ion Ratio		Lower	Upper
166	100		
165	100.4	78.0	117.0
167	15.4	10.5	15.7

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#69

Phenanthrene

Concen: 68.17 ng/ul

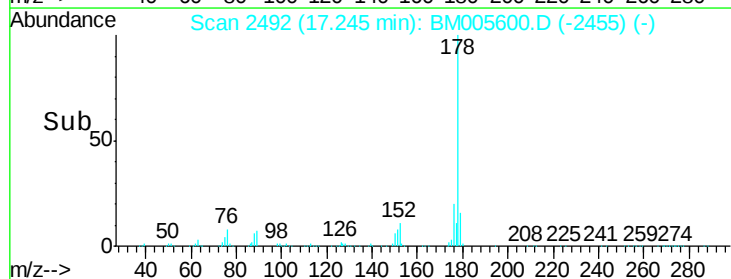
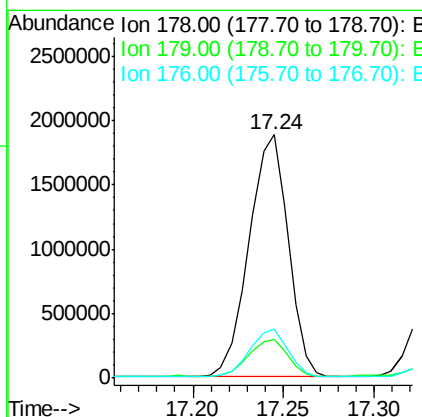
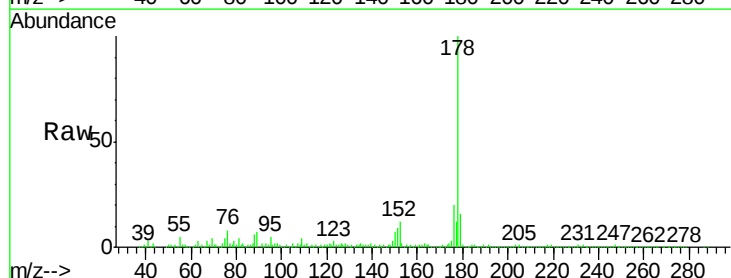
RT: 17.24 min Scan# 2492

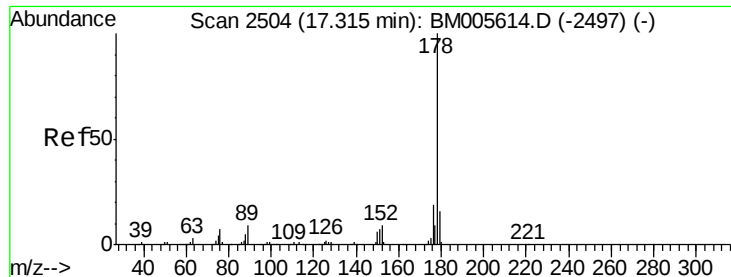
Delta R.T. 0.02 min

Lab File: BM005600.D

Acq: 22 May 2016 23:17

Tgt Ion:	178	Resp:	2822686
Ion Ratio		Lower	Upper
178	100		
179	16.1	12.2	18.2
176	19.9	15.8	23.6





#71

Anthracene

Concen: 19.04 ng/ul

RT: 17.33 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BM005600.D

Acq: 22 May 2016 23:17

Instrument :

BNA_M

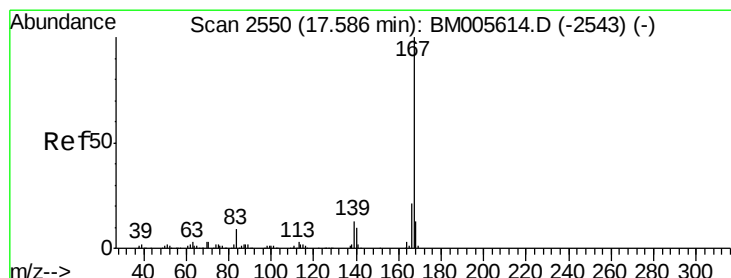
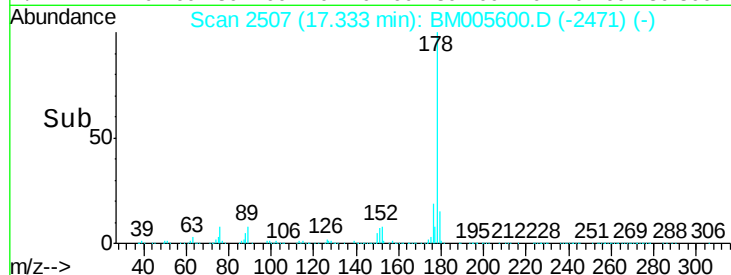
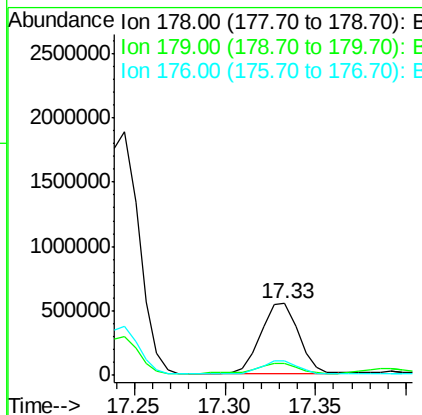
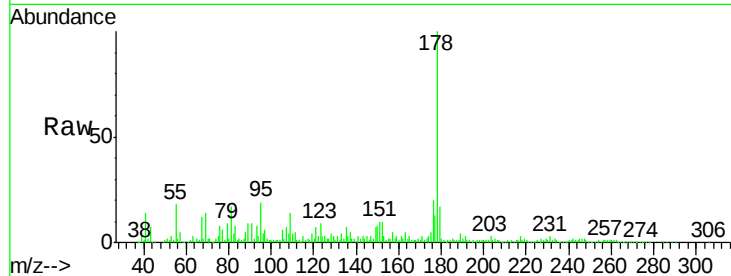
ClientSampled :

JHGF1

Tgt Ion:	178	Resp:	803390
Ion Ratio	Lower	Upper	
178	100		
179	16.9	12.6	18.8
176	20.2	15.0	22.4

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#72

Carbazole

Concen: 1.10 ng/ul

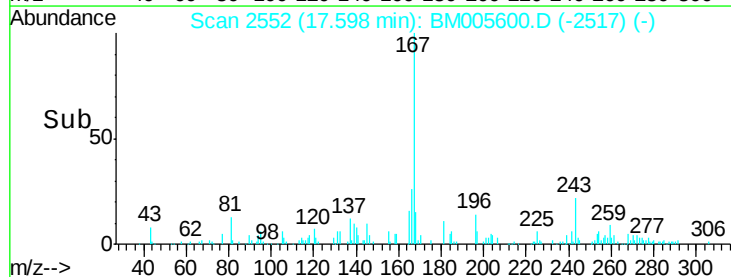
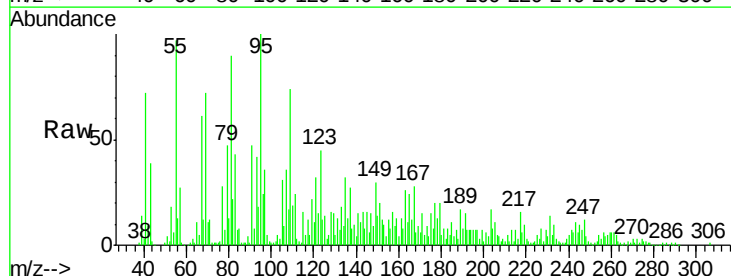
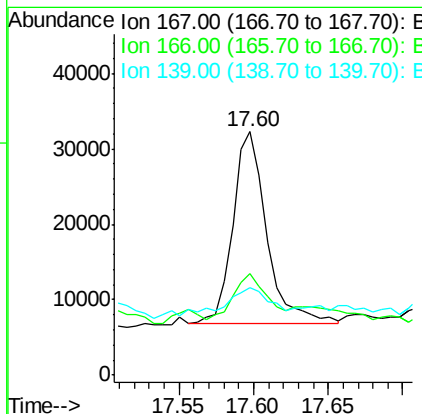
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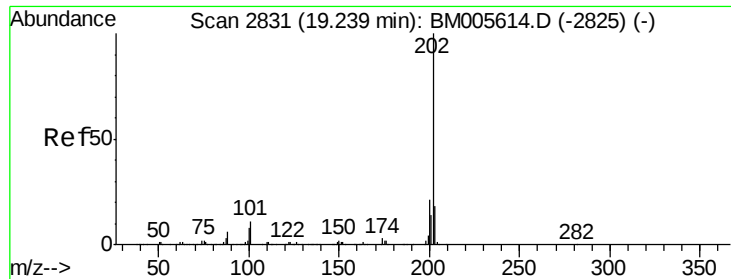
Delta R.T. 0.01 min

Lab File: BM005600.D

Acq: 22 May 2016 23:17

Tgt Ion:	167	Resp:	40249
Ion Ratio	Lower	Upper	
167	100		
166	41.6	16.9	25.3#
139	36.0	10.6	16.0#





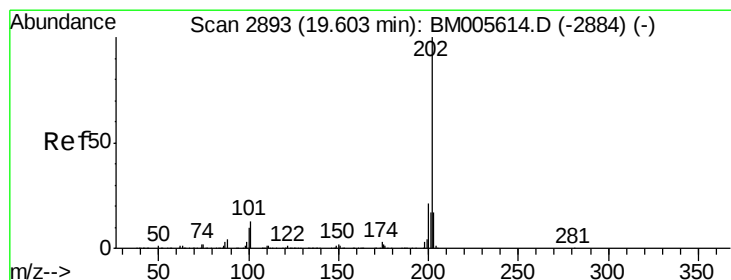
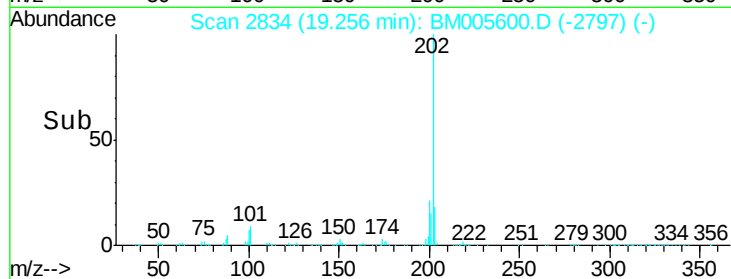
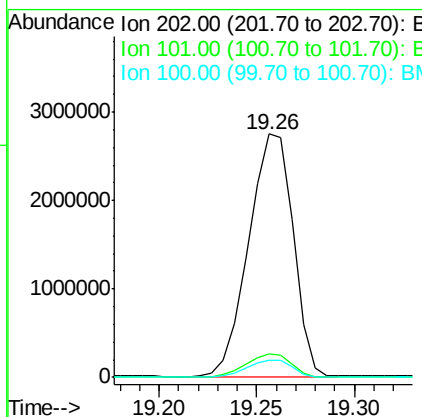
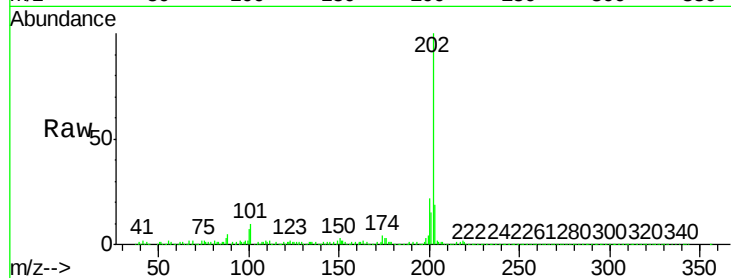
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Fluoranthene
 Concen: 92.90 ng/ul
 RT: 19.26 min Scan# 2834
 Delta R.T. 0.02 min
 Lab File: BM005600.D
 Acq: 22 May 2016 23:17

Instrument :
 BNA_M
 ClientSampleId :
 JHGF1

Tgt Ion:	202	Resp:	4329952
Ion Ratio	Lower	Upper	
202	100		
101	9.7	7.9	11.9
100	7.2	5.6	8.4

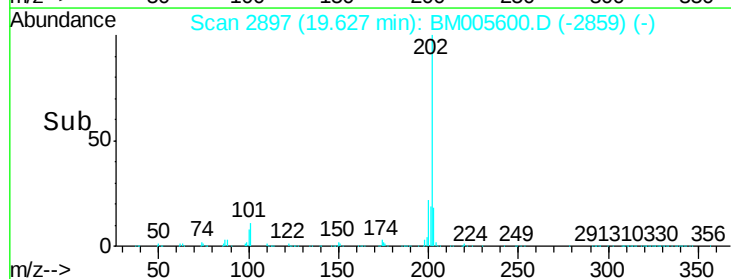
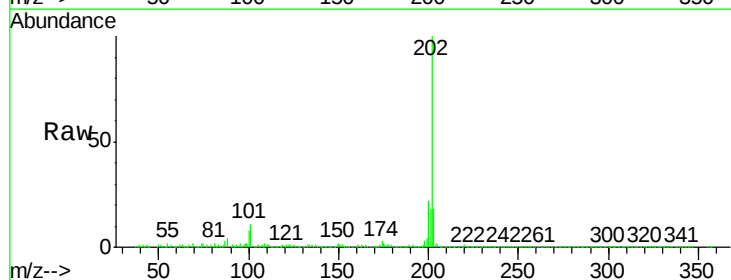
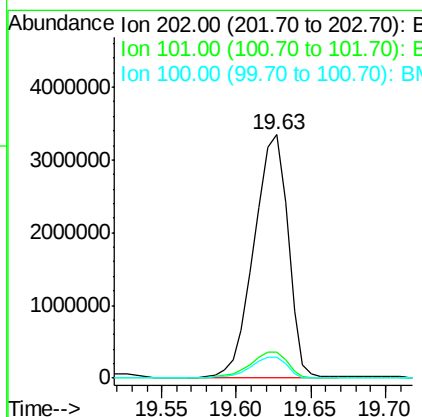
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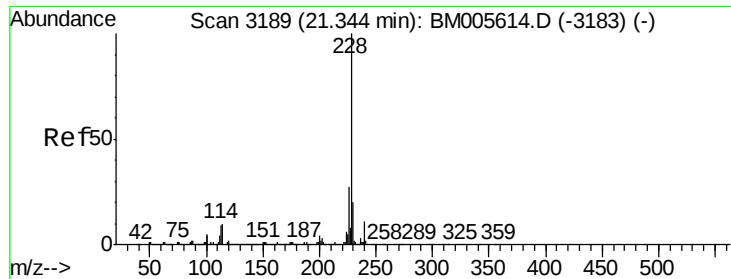
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#77
Pyrene
 Concen: 129.91 ng/ul
 RT: 19.63 min Scan# 2897
 Delta R.T. 0.02 min
 Lab File: BM005600.D
 Acq: 22 May 2016 23:17

Tgt Ion:	202	Resp:	5251487
Ion Ratio	Lower	Upper	
202	100		
101	10.7	9.6	14.4
100	8.4	7.8	11.6





#80

Benzo(a)anthracene

Concen: 46.14 ng/ul m

RT: 21.36 min Scan# 3192

Delta R.T. 0.01 min

Lab File: BM005600.D

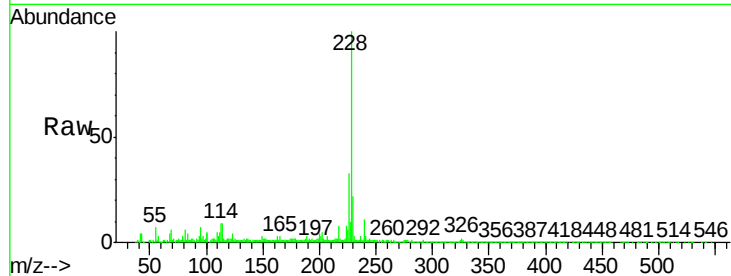
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Instrument :

BNA_M

ClientSampleId :

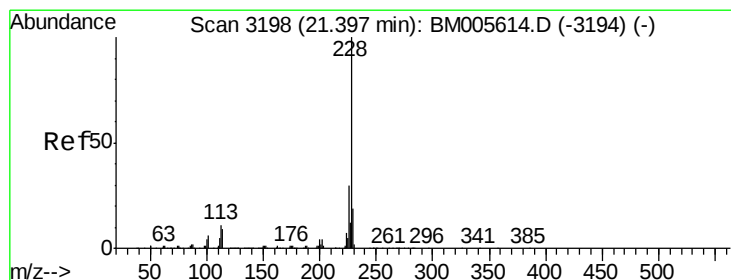
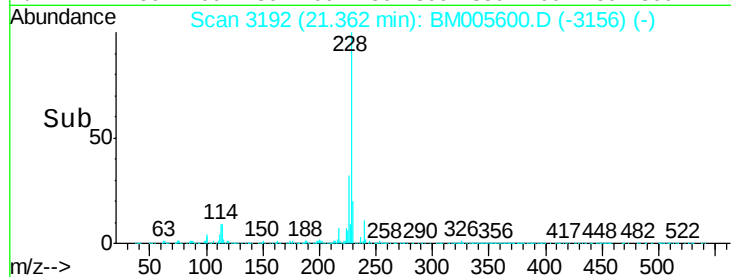
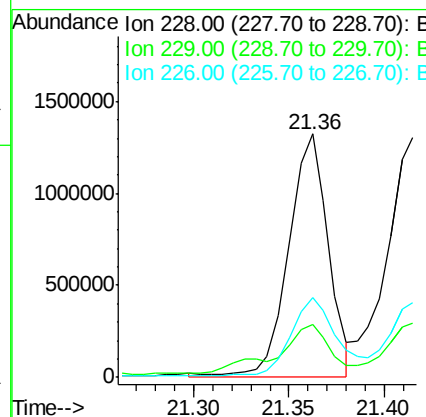
JHGF1



Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.4	23.2
226	32.8	21.0	31.4#

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#82

Chrysene

Concen: 47.45 ng/ul

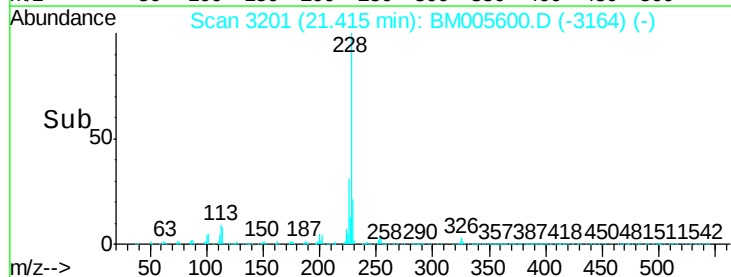
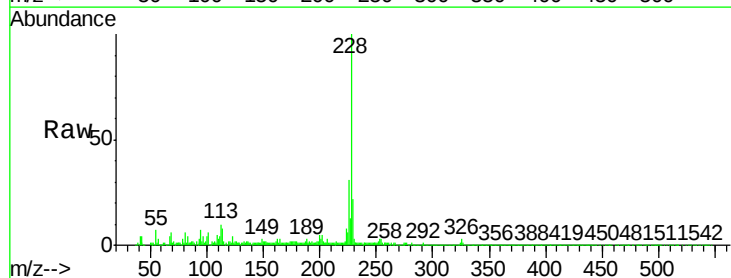
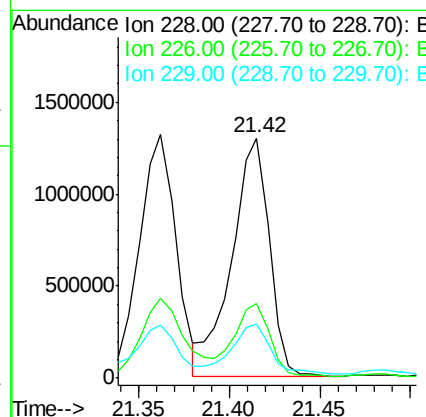
RT: 21.42 min Scan# 3201

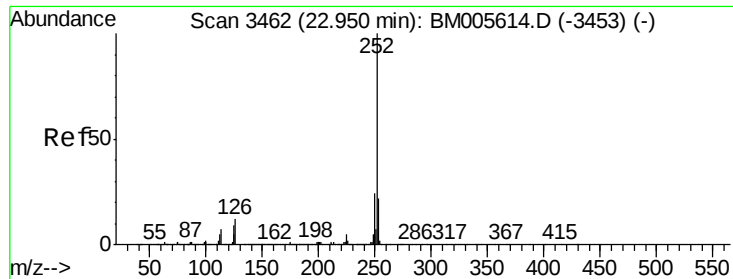
Delta R.T. 0.02 min

Lab File: BM005600.D

Acq: 22 May 2016 23:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.7	35.5
229	22.4	15.5	23.3





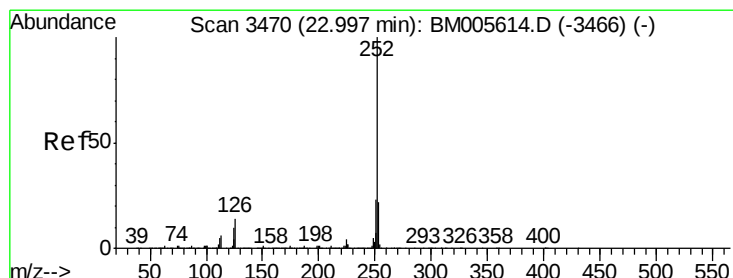
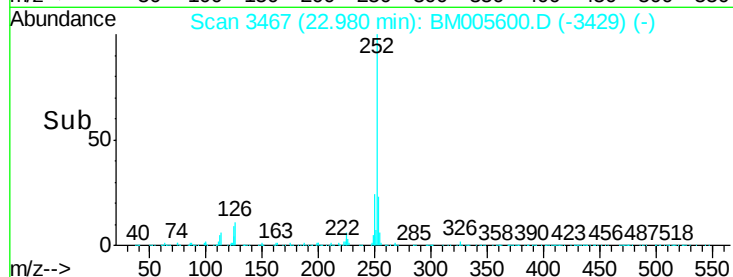
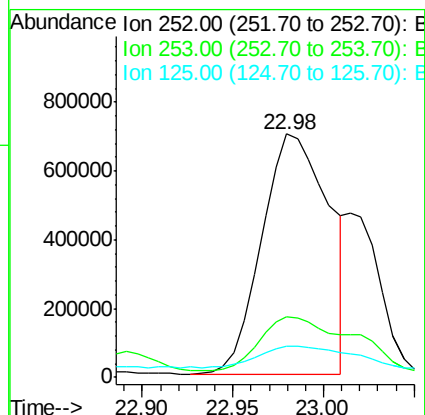
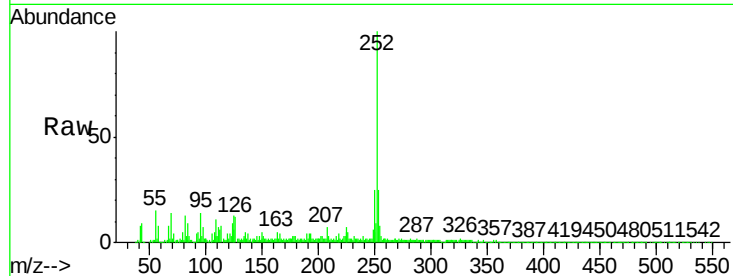
#85
Benzo(b)fluoranthene
Concen: 45.84 ng/ul
RT: 22.98 min Scan# 3467
Delta R.T. 0.02 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Instrument :
BNA_M
ClientSampleId :
JHGF1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.3	25.9
125	12.9	7.0	10.4

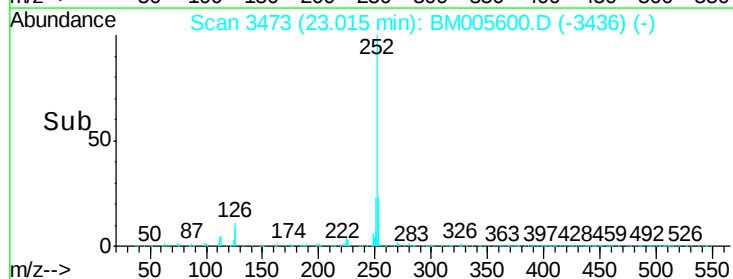
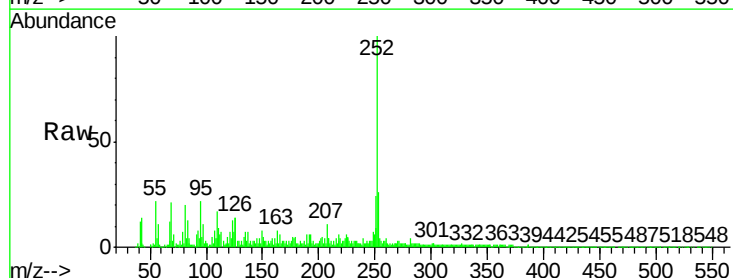
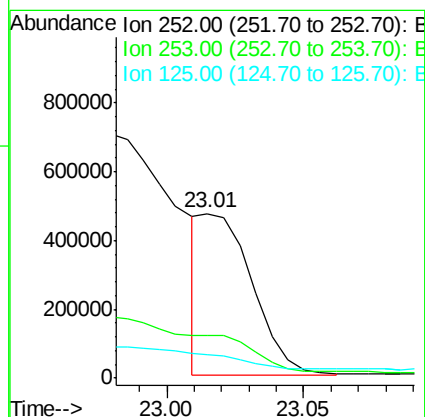
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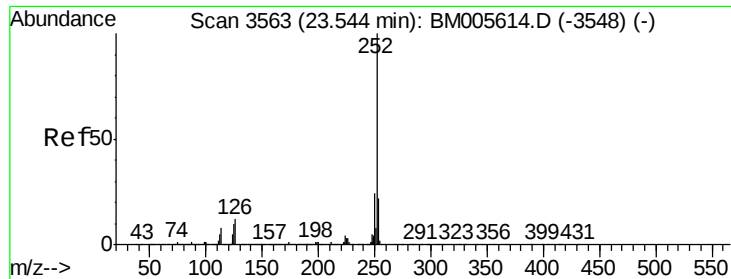
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#86
Benzo(k)fluoranthene
Concen: 16.30 ng/ul m
RT: 23.01 min Scan# 3473
Delta R.T. 0.02 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	14.4	7.0	10.6





#88

Benzo(a)pyrene

Concen: 45.74 ng/ul

RT: 23.57 min Scan# 3568

Delta R.T. 0.03 min

Lab File: BM005600.D

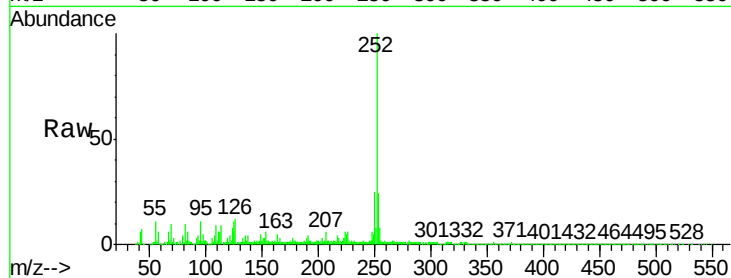
Acq: 22 May 2016 23:17

Instrument :

BNA_M

ClientSampled :

JHGF1



Tgt Ion:252 Resp: 1741967

Ion Ratio Lower Upper

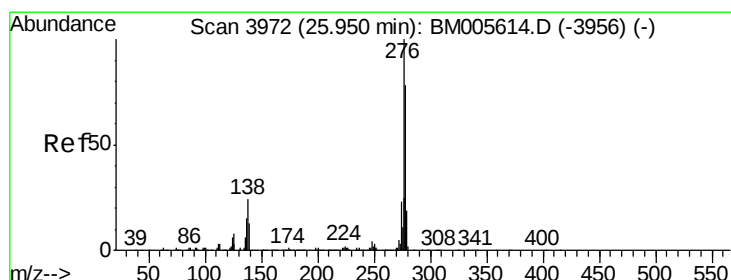
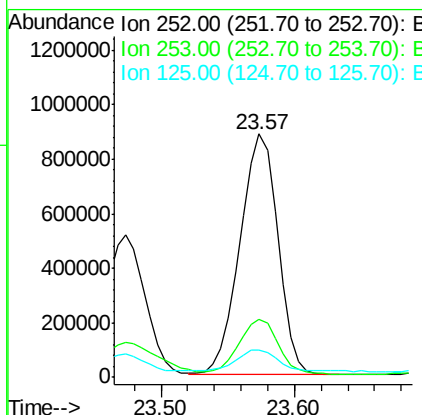
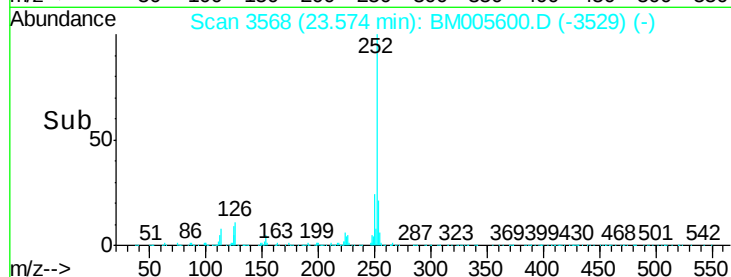
252 100

253 23.7 17.6 26.4

125 11.4 7.6 11.4#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 27.74 ng/ul

RT: 26.00 min Scan# 3981

Delta R.T. 0.06 min

Lab File: BM005600.D

Acq: 22 May 2016 23:17

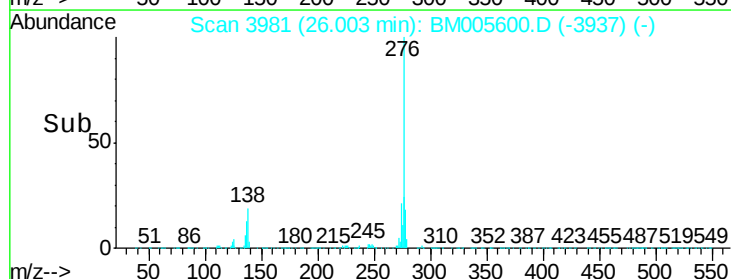
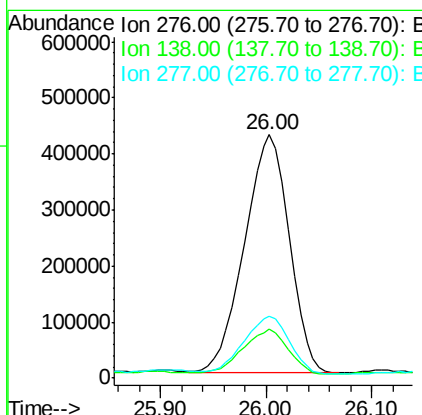
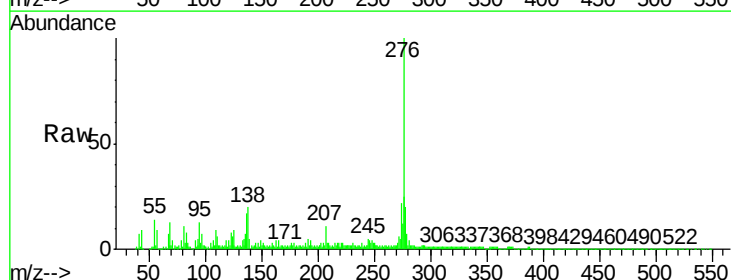
Tgt Ion:276 Resp: 1254919

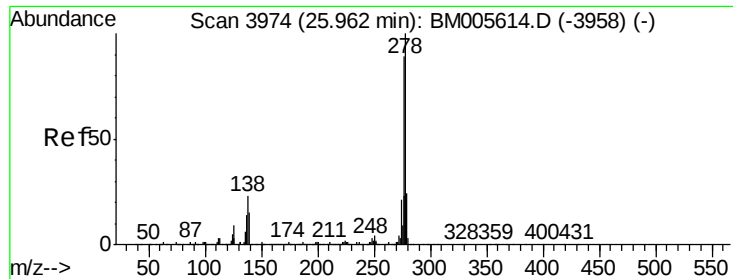
Ion Ratio Lower Upper

276 100

138 19.9 16.9 25.3

277 25.2 20.2 30.4





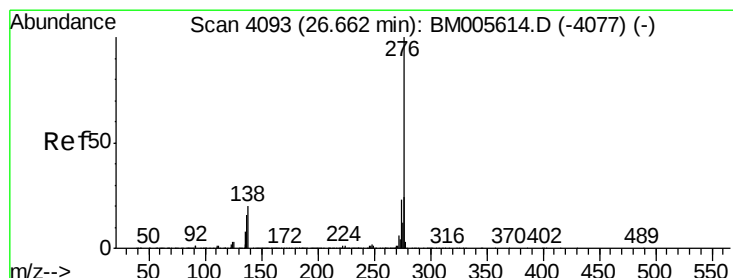
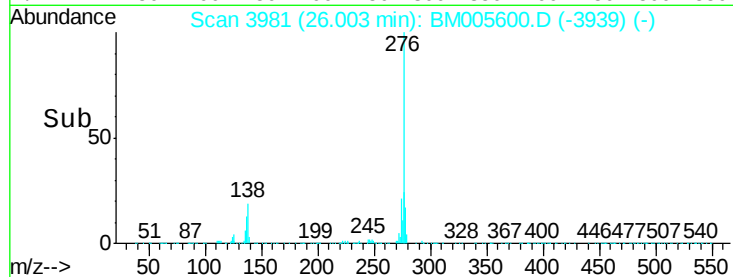
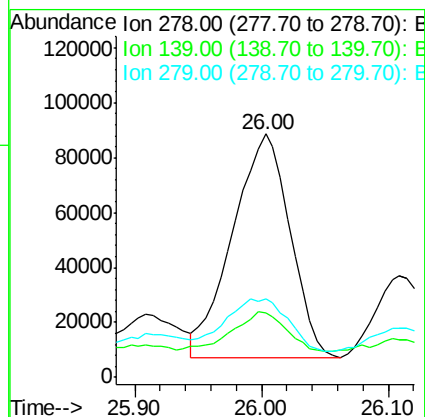
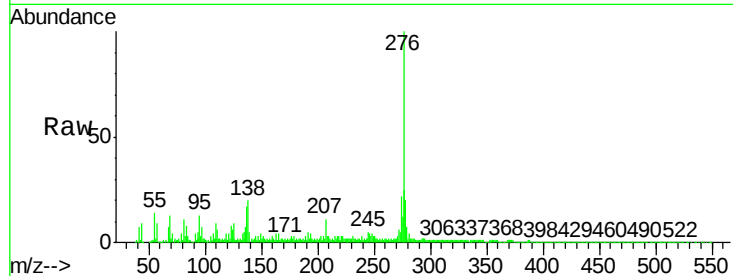
#90
Dibenzo(a,h)anthracene
Concen: 6.82 ng/ul
RT: 26.00 min Scan# 3981
Delta R.T. 0.05 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Instrument :
BNA_M
ClientSampleId :
JHGF1

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	256800		
139	26.5	11.8	17.6#	
279	32.2	19.4	29.2#	

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#91
Benzo(g,h,i)perylene
Concen: 34.95 ng/ul
RT: 26.73 min Scan# 4104
Delta R.T. 0.07 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	1329134		
138	20.8	15.0	22.6	
277	24.9	18.6	28.0	

