

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

Quant Time: May 23 05:35:52 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
30) 4-Chloroaniline	10.66	127	10920	1.05	ng/ul#	12
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	21.42	228	1865886	45.14	ng/ul	92
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	22.98	252	1799670	48.43	ng/ul#	92
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

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Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 05:32:02 2016
Response via : Initial Calibration

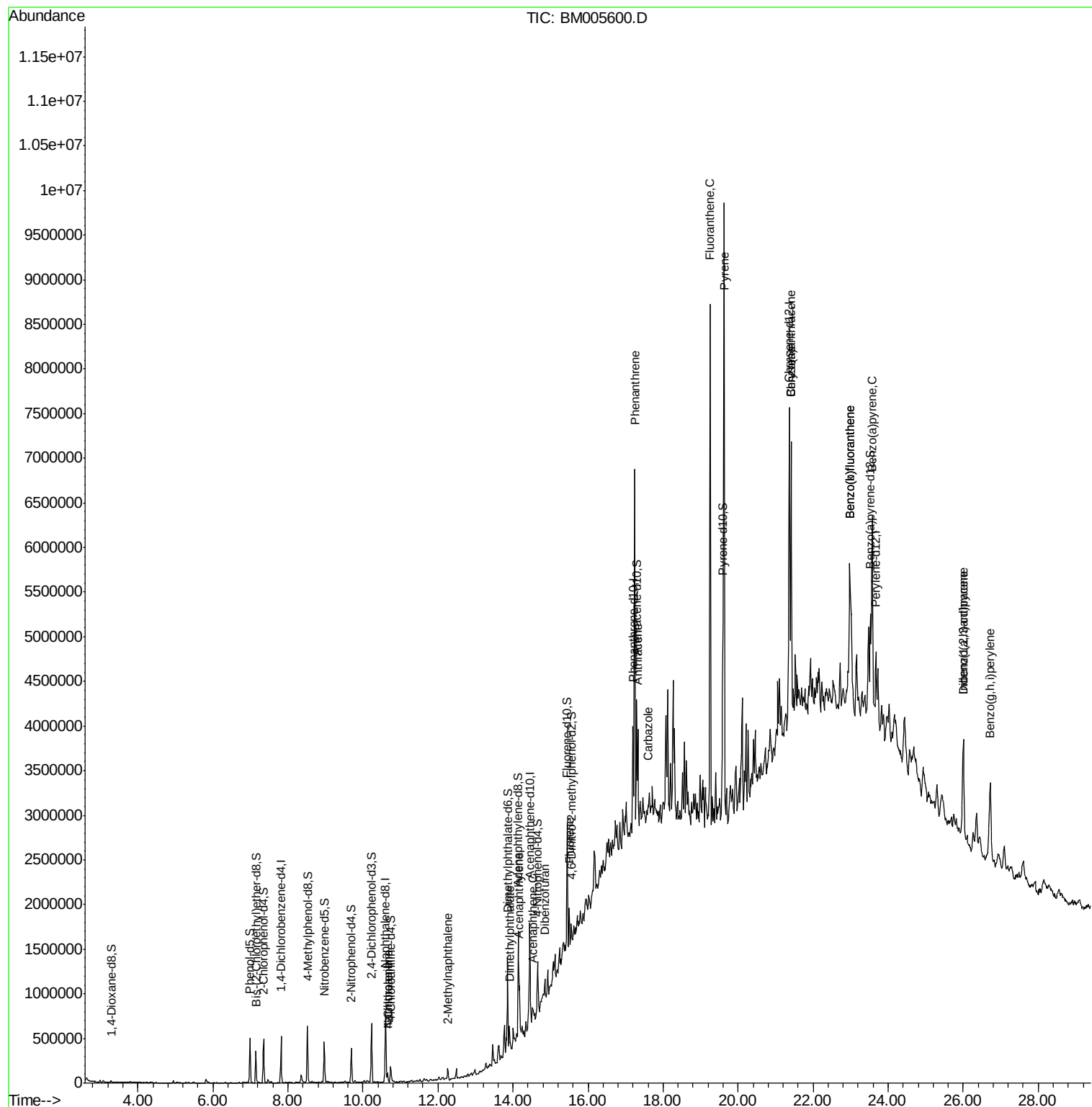
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

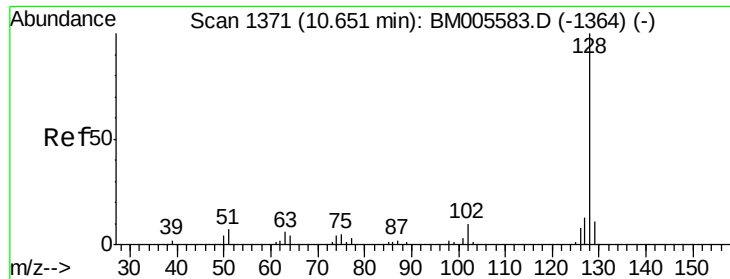
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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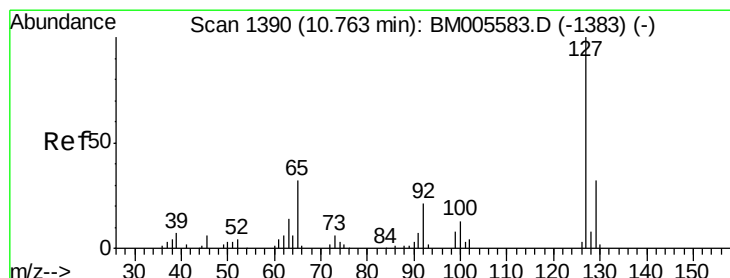
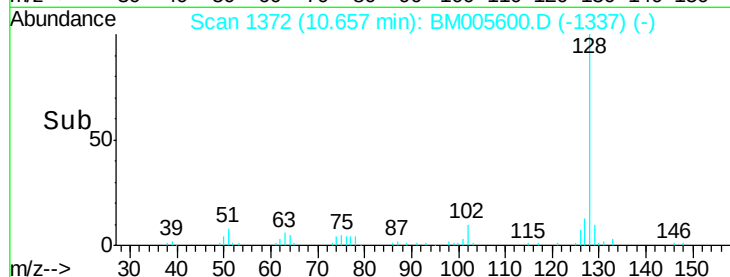
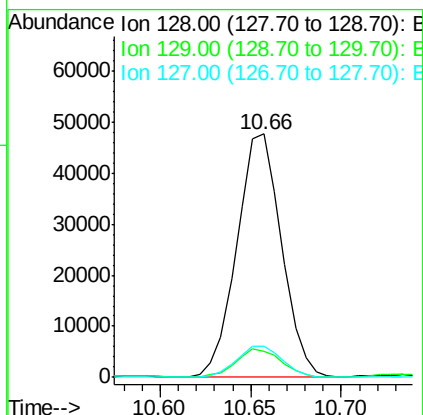
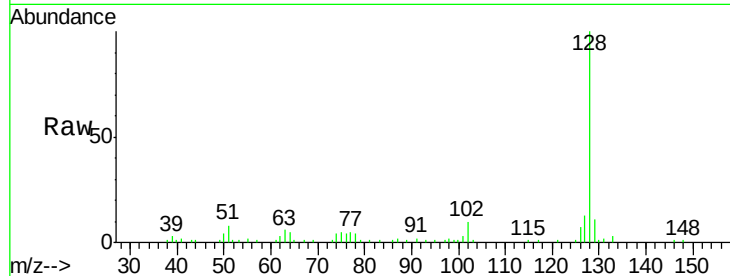




#28
Naphthalene
Concen: 2.55 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

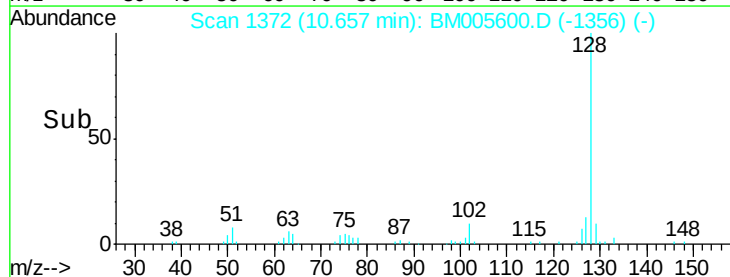
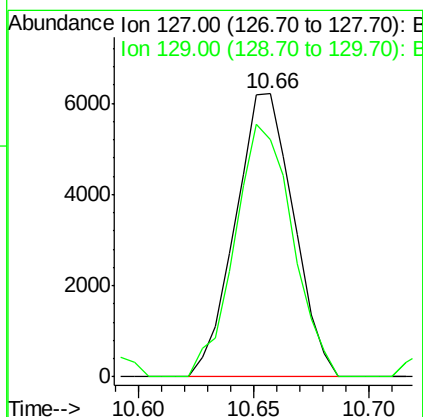
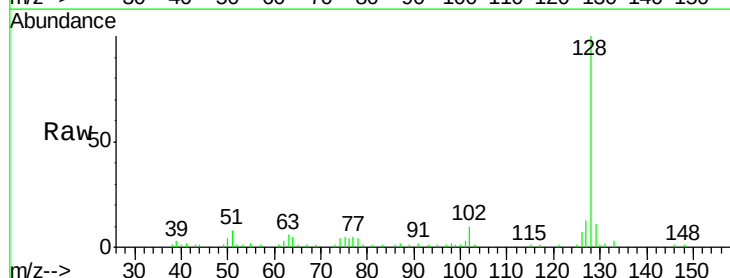
Instrument :
BNA_M
ClientSampleId :
JHGF1

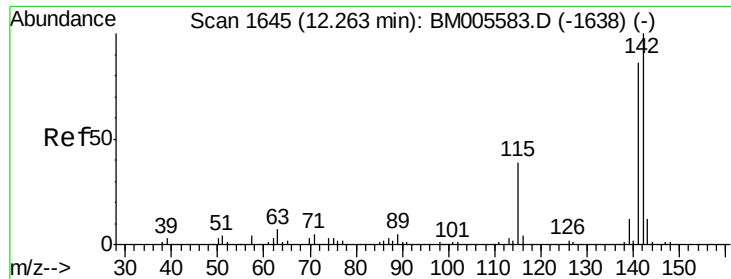
Tgt Ion:128 Resp: 81888
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.0 10.6 15.8



#30
4-Chloroaniline
Concen: 1.05 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. -0.11 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

Tgt Ion:127 Resp: 10920
Ion Ratio Lower Upper
127 100
129 83.9 26.9 40.3#

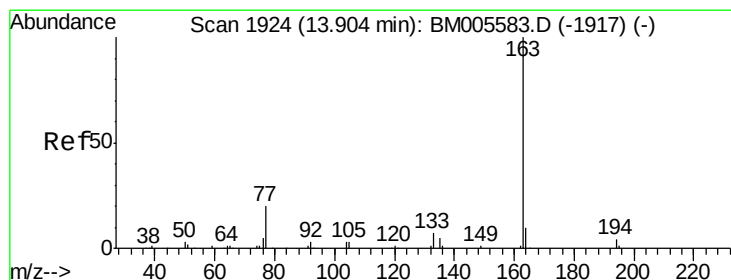
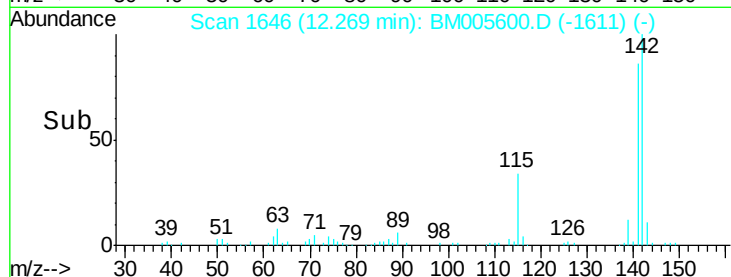
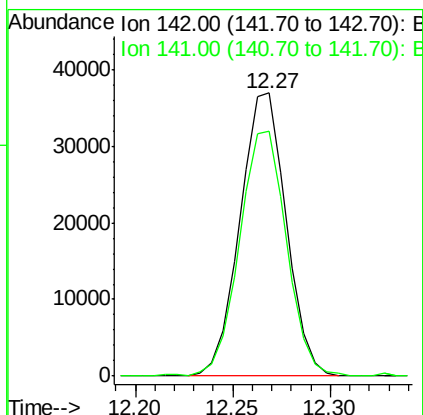
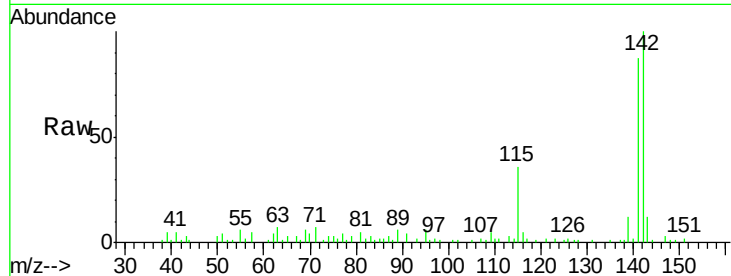




#34
2-Methylnaphthalene
Concen: 2.58 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. 0.01 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

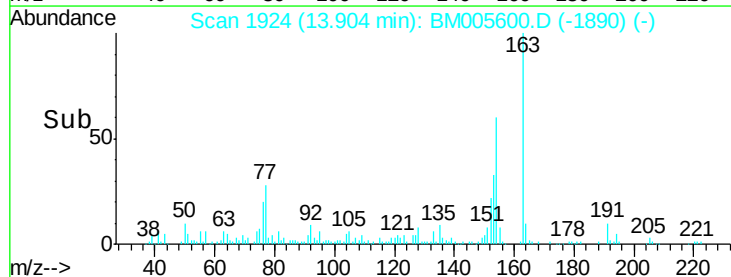
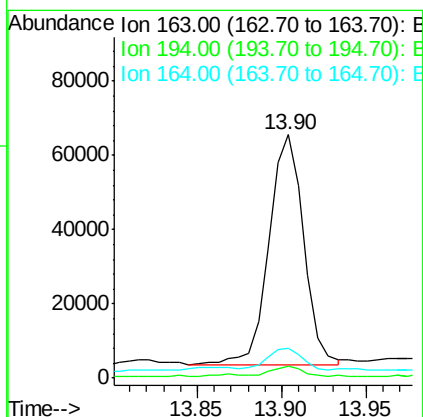
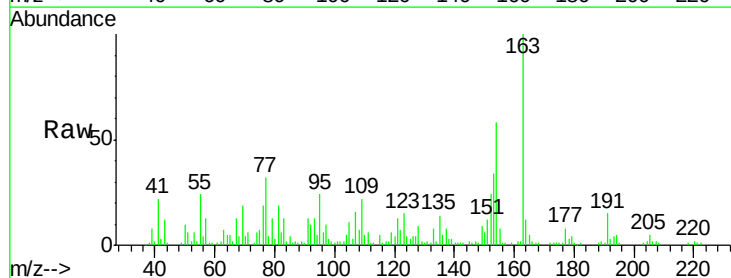
Instrument :
BNA_M
ClientSampleId :
JHGF1

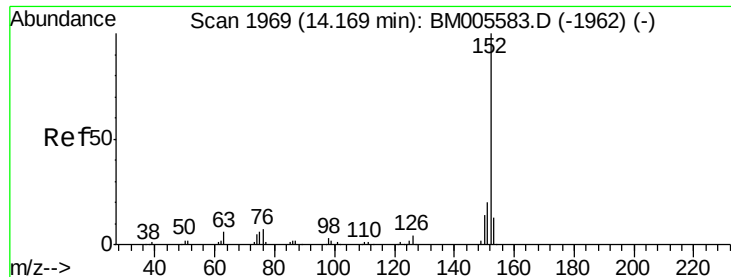
Tgt Ion:142 Resp: 60644
Ion Ratio Lower Upper
142 100
141 86.7 70.6 106.0



#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

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

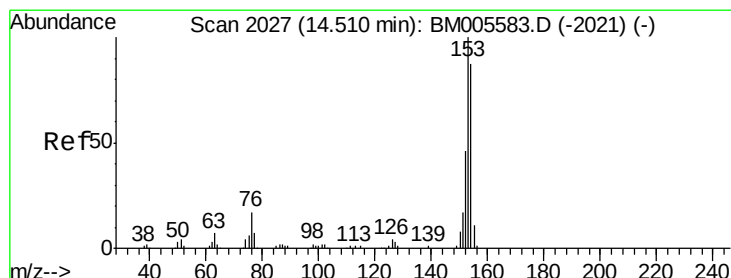
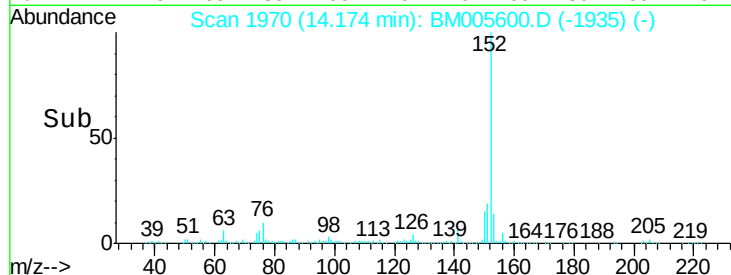
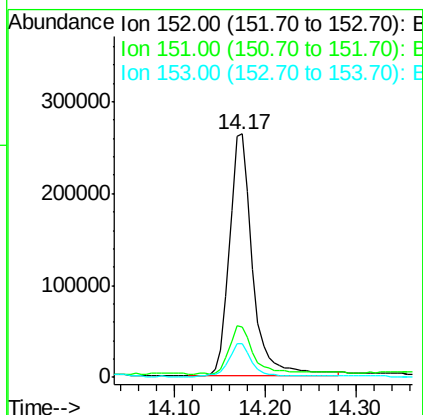
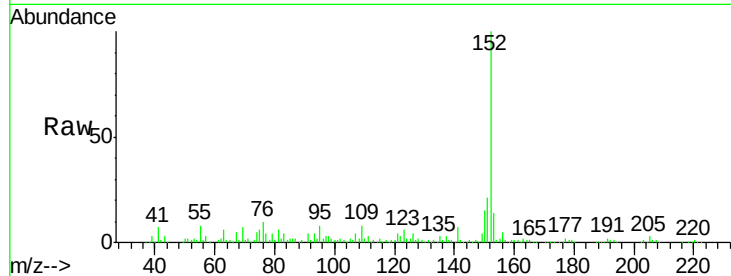




#47
Acenaphthylene
Concen: 12.56 ng/ul
RT: 14.17 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

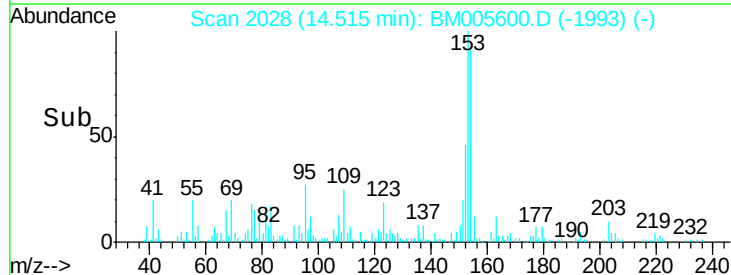
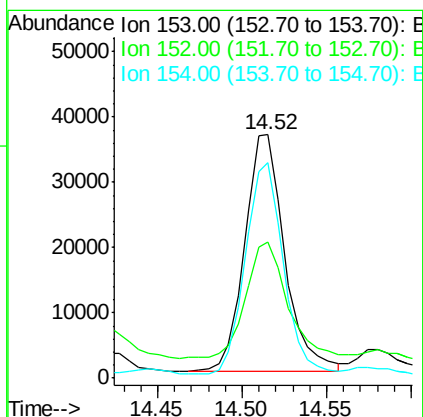
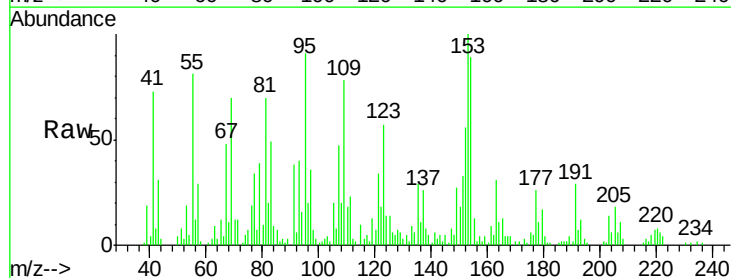
Instrument :
BNA_M
ClientSampleId :
JHGF1

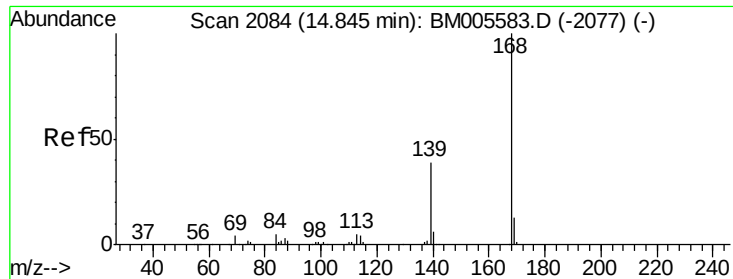
Tgt Ion:152 Resp: 476490
Ion Ratio Lower Upper
152 100
151 20.5 15.7 23.5
153 14.0 10.5 15.7



#49
Acenaphthene
Concen: 2.38 ng/ul
RT: 14.52 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BM005600.D
Acq: 22 May 2016 23:17

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





#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

Instrument :

BNA_M

ClientSampleId :

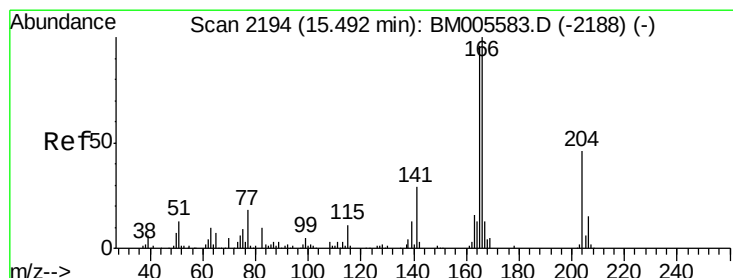
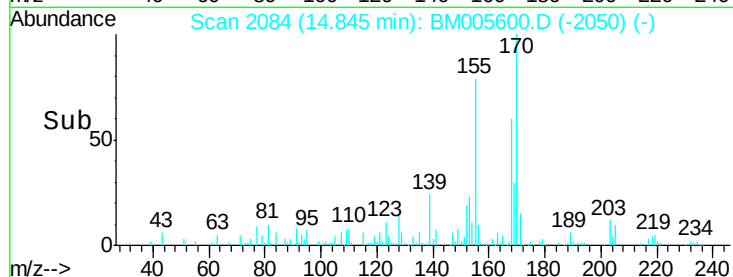
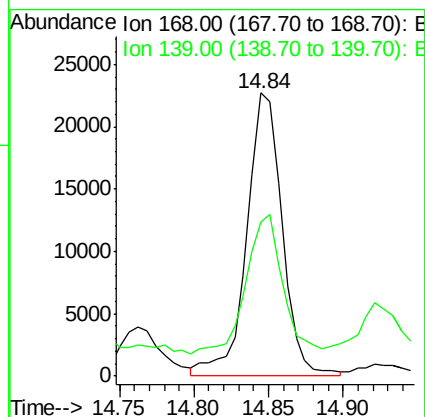
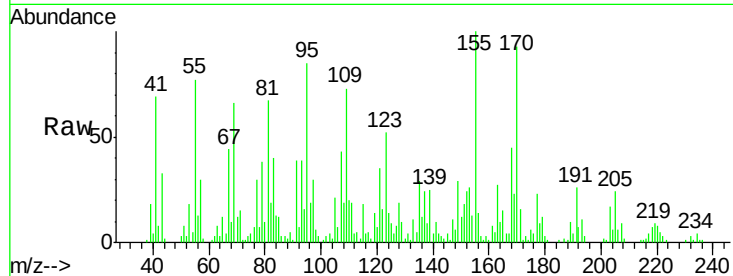
JHGF1

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

Acq: 22 May 2016 23:17

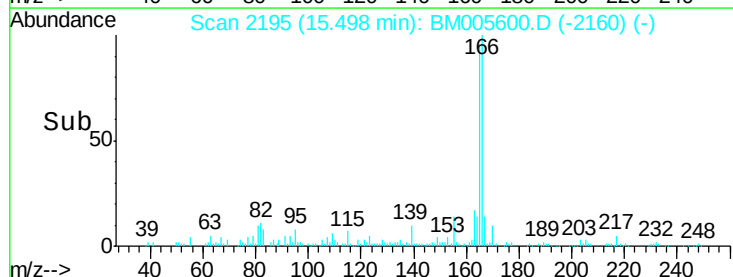
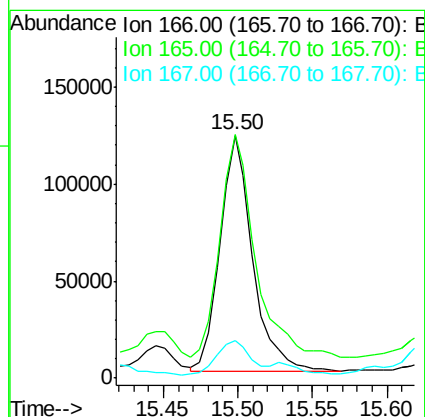
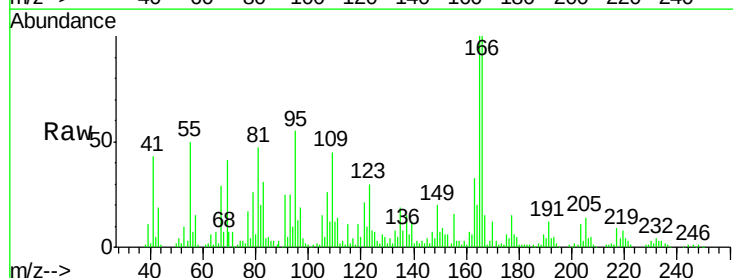
Tgt Ion:166 Resp: 186191

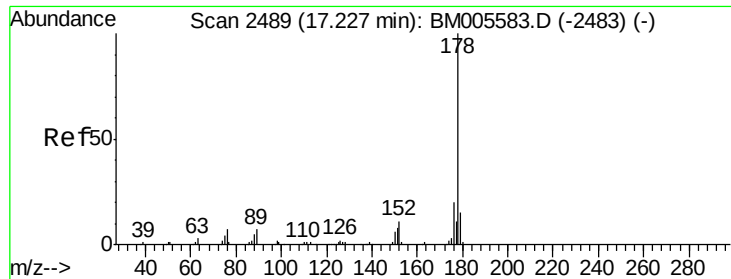
Ion Ratio Lower Upper

166 100

165 100.4 78.0 117.0

167 15.4 10.5 15.7





#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

Instrument :

BNA_M

ClientSampleId :

JHGF1

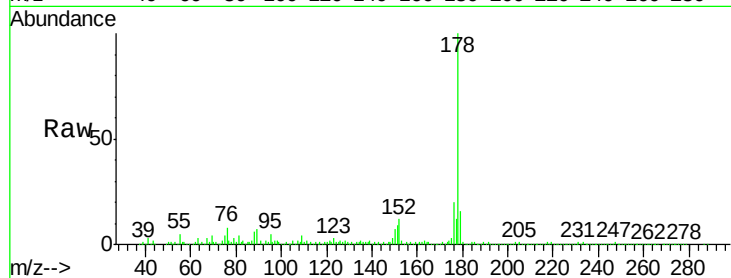
Tgt Ion:178 Resp: 2822686

Ion Ratio Lower Upper

178 100

179 16.1 12.2 18.2

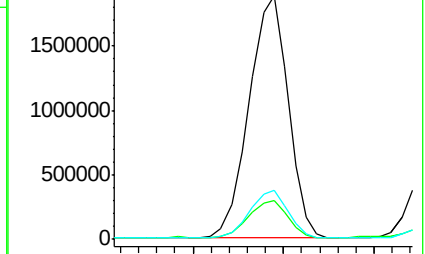
176 19.9 15.8 23.6



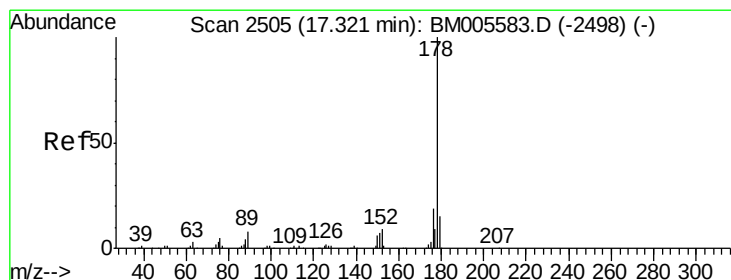
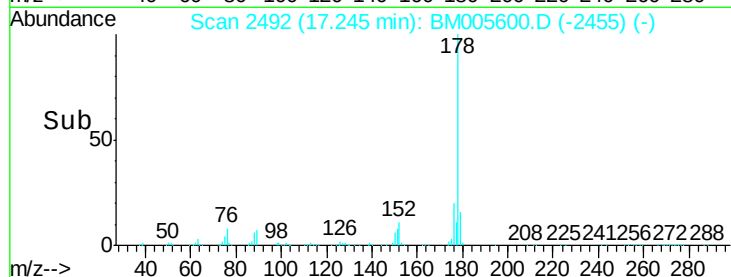
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#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

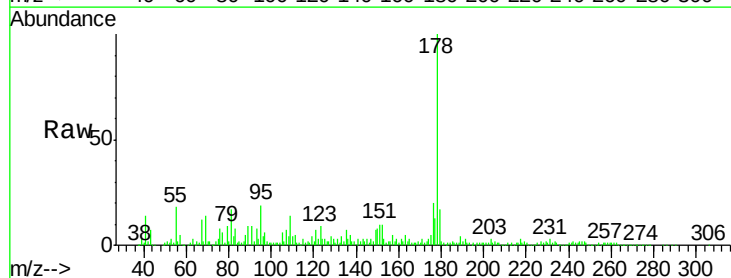
Tgt Ion:178 Resp: 803390

Ion Ratio Lower Upper

178 100

179 16.9 12.6 18.8

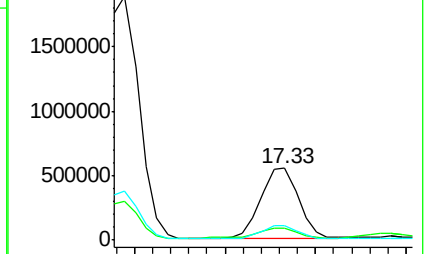
176 20.2 15.0 22.4



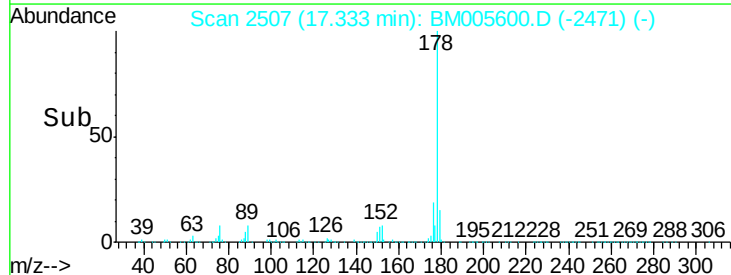
Abundance Ion 178.00 (177.70 to 178.70): E

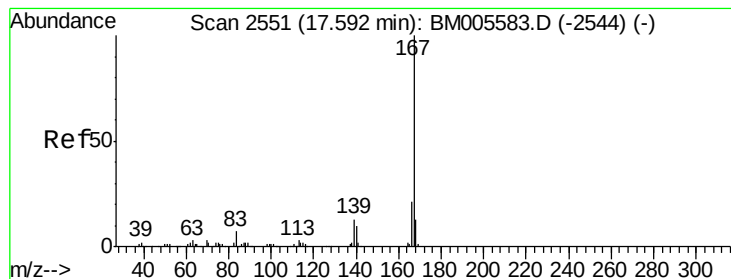
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Carbazole

Concen: 1.10 ng/ul

RT: 17.60 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BM005600.D

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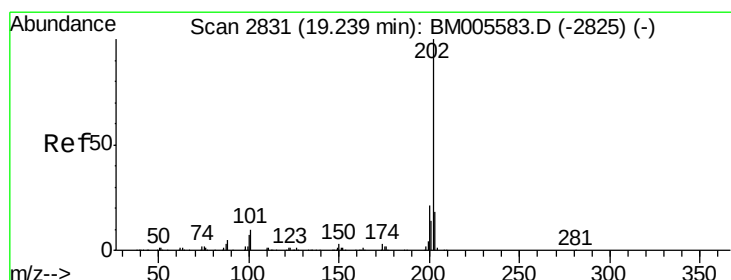
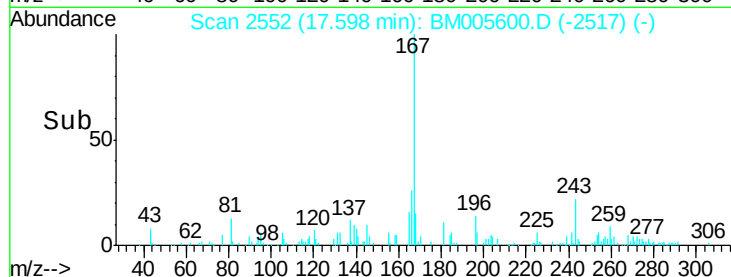
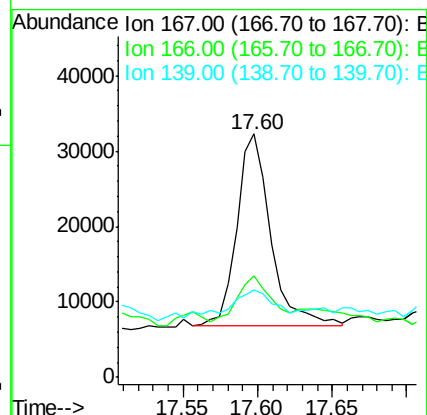
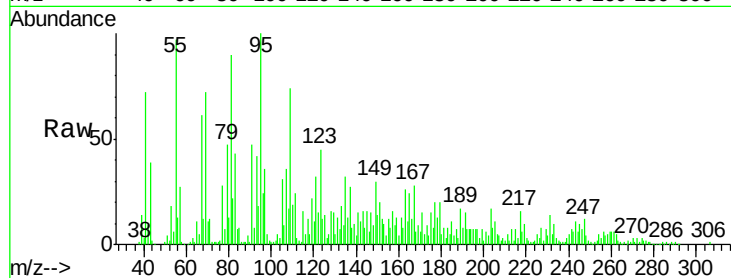
Tgt Ion:167 Resp: 40249

Ion Ratio Lower Upper

167 100

166 41.6 16.9 25.3#

139 36.0 10.6 16.0#



#74

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

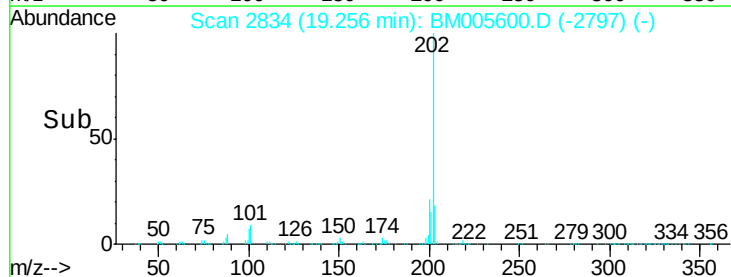
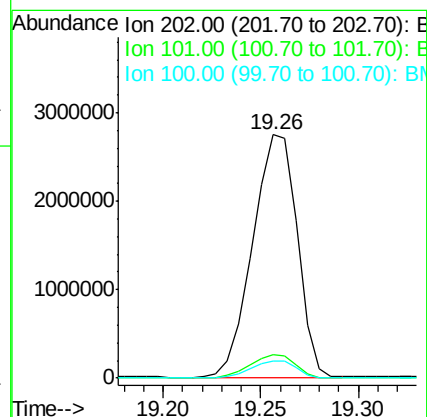
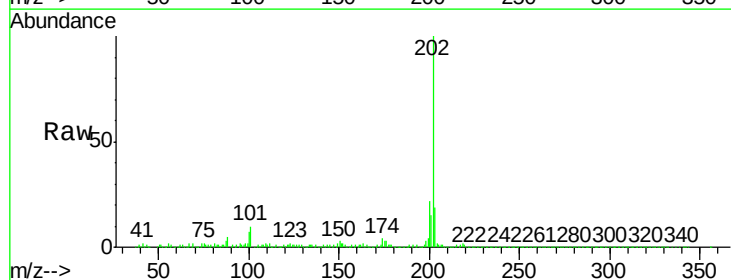
Tgt Ion:202 Resp: 4329952

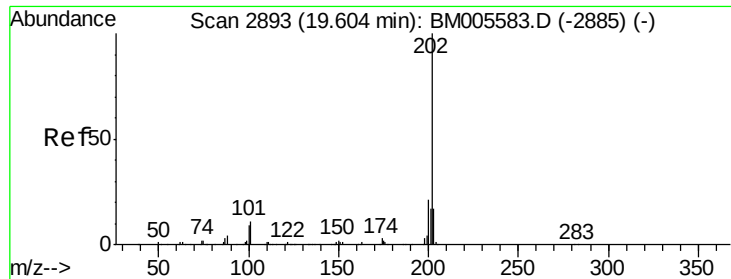
Ion Ratio Lower Upper

202 100

101 9.7 7.9 11.9

100 7.2 5.6 8.4

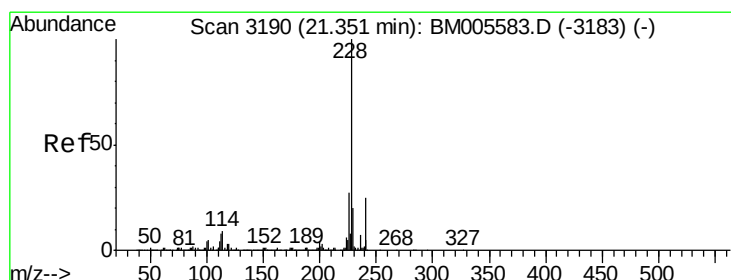
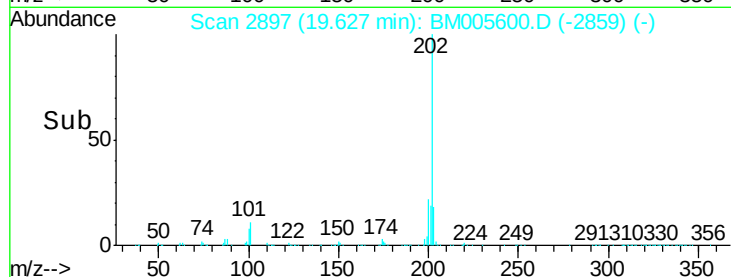
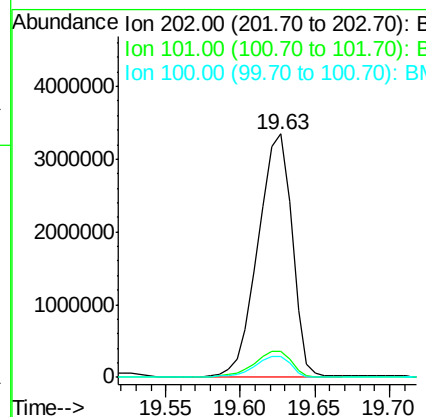
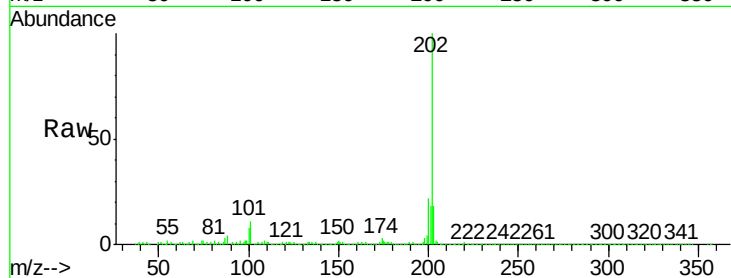




#77
 Pyrene
 Concen: 129.91 ng/ul
 RT: 19.63 min Scan# 2897
 Delta R.T. 0.02 min
 Lab File: BM005600.D
 Acq: 22 May 2016 23:17

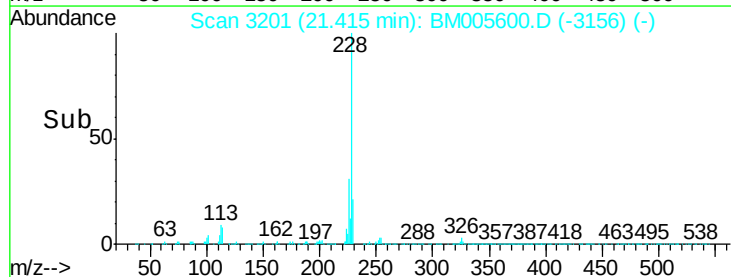
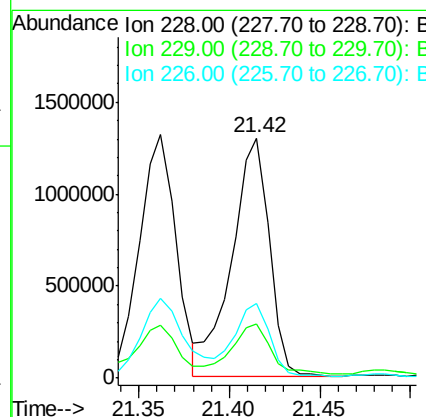
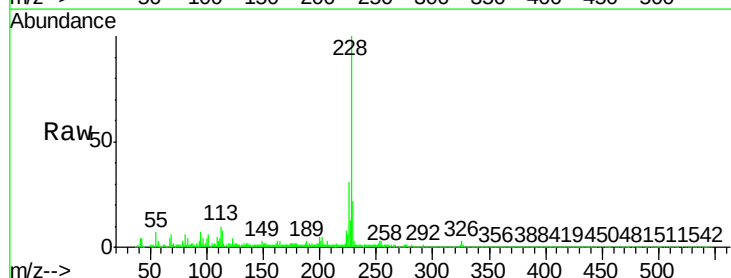
Instrument :
 BNA_M
 ClientSampleId :
 JHGF1

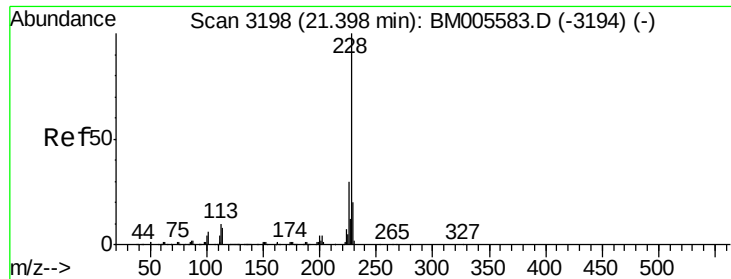
Tgt Ion:202 Resp: 5251487
 Ion Ratio Lower Upper
 202 100
 101 10.7 9.6 14.4
 100 8.4 7.8 11.6



#80
 Benzo(a)anthracene
 Concen: 45.14 ng/ul
 RT: 21.42 min Scan# 3201
 Delta R.T. 0.06 min
 Lab File: BM005600.D
 Acq: 22 May 2016 23:17

Tgt Ion:228 Resp: 1865886
 Ion Ratio Lower Upper
 228 100
 229 22.4 15.4 23.2
 226 31.1 21.0 31.4





#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

Instrument :

BNA_M

ClientSampleId :

JHGF1

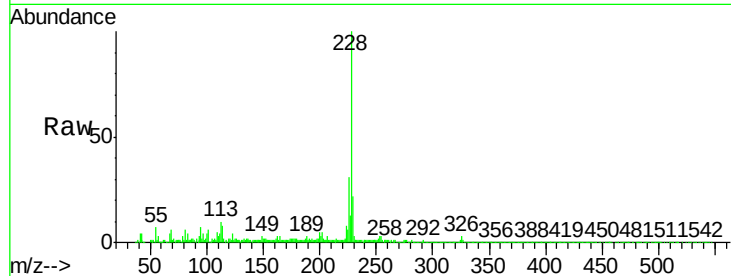
Tgt Ion:228 Resp: 1865886

Ion Ratio Lower Upper

228 100

226 31.1 23.7 35.5

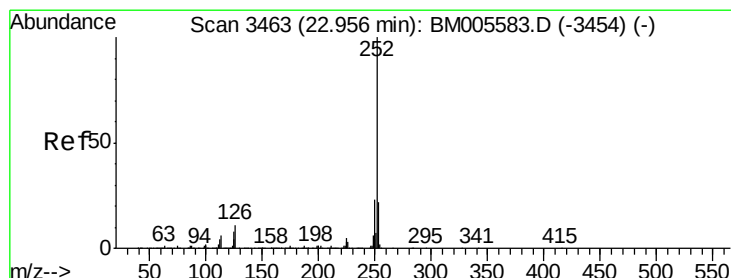
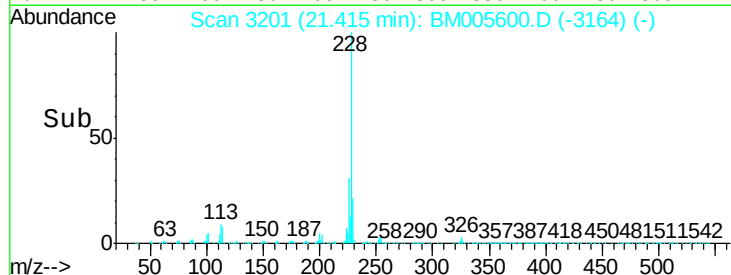
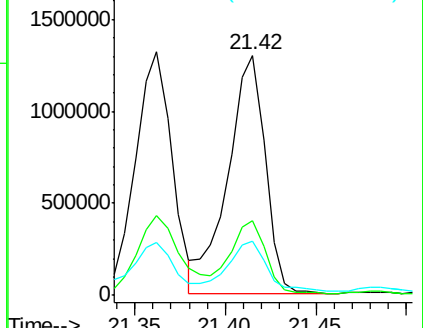
229 22.4 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#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

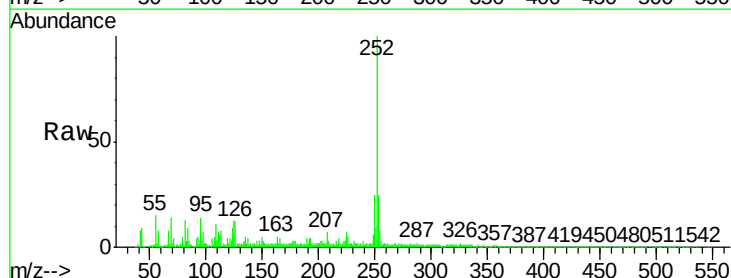
Tgt Ion:252 Resp: 1799670

Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

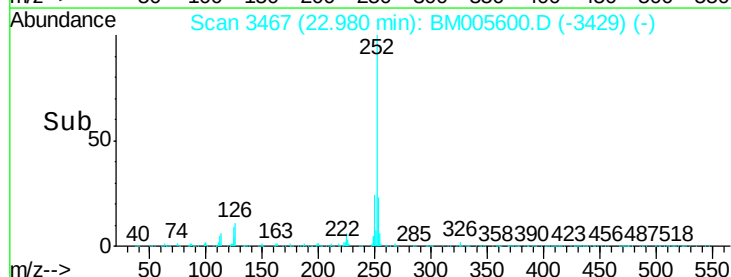
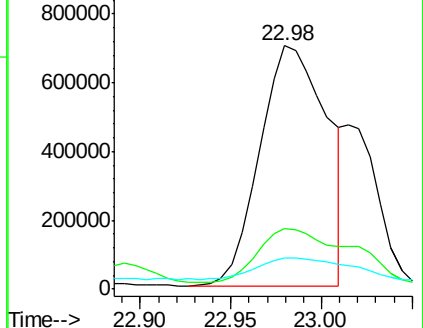
125 12.9 7.0 10.4#

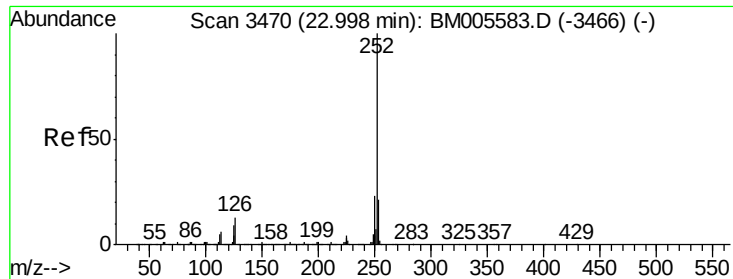


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 48.43 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

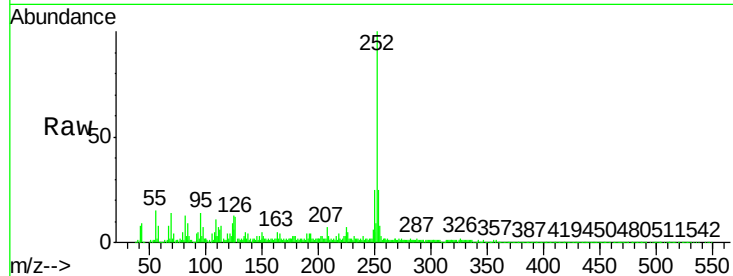
Tgt Ion:252 Resp: 1799670

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

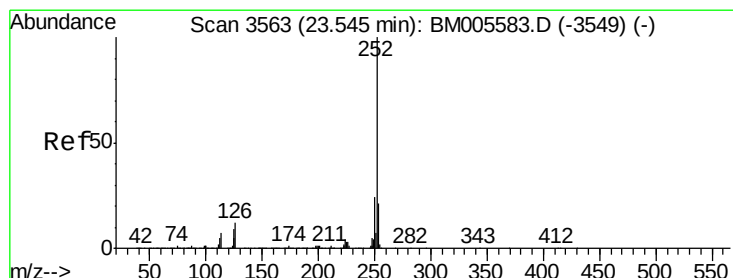
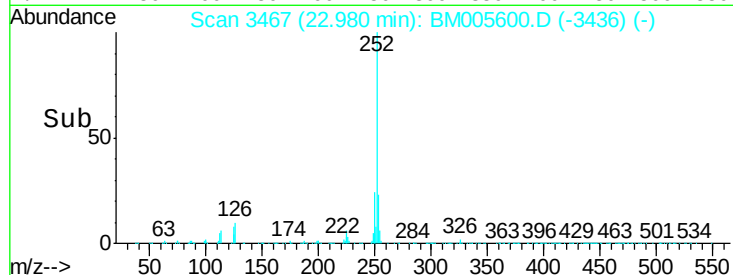
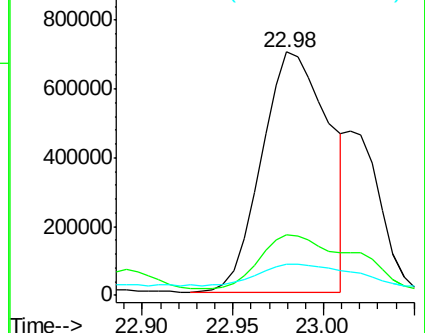
125 12.9 7.0 10.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#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

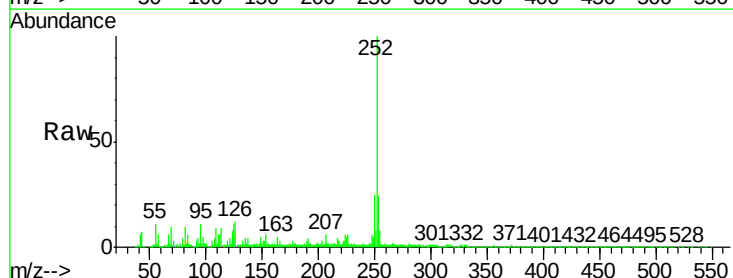
Tgt Ion:252 Resp: 1741967

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

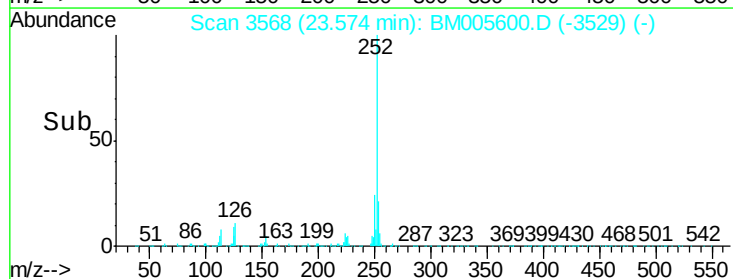
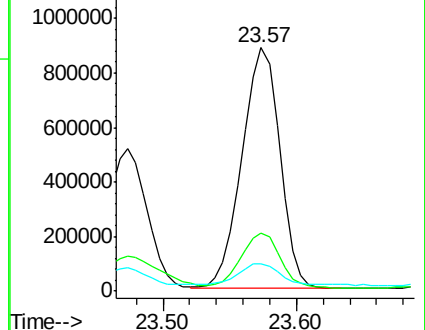
125 11.4 7.6 11.4#

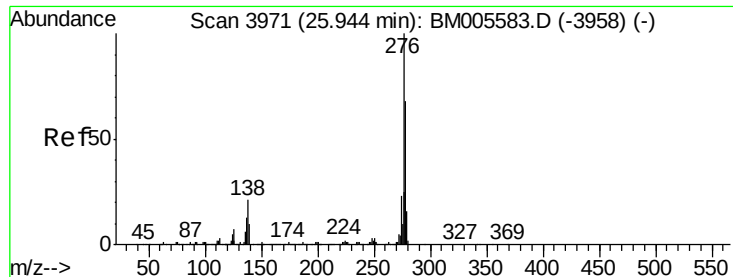


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

Instrument :

BNA_M

ClientSampleId :

JHGF1

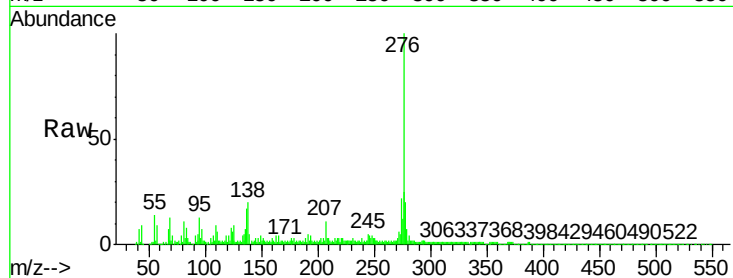
Tgt Ion:276 Resp: 1254919

Ion Ratio Lower Upper

276 100

138 19.9 16.9 25.3

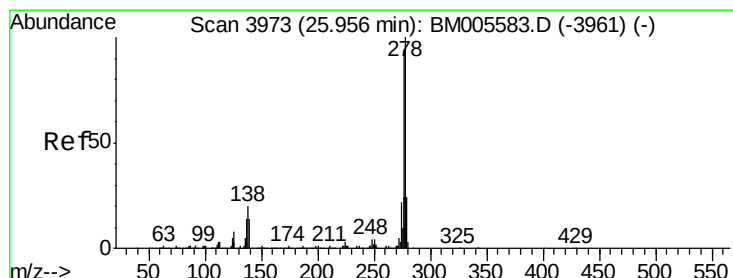
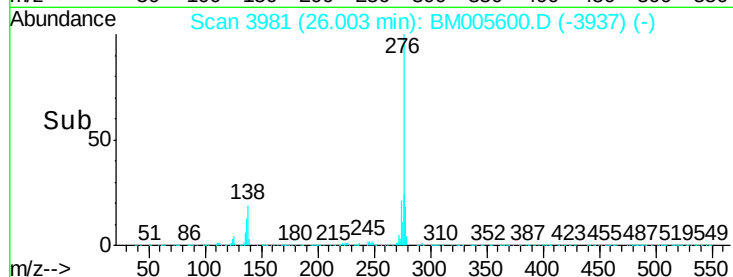
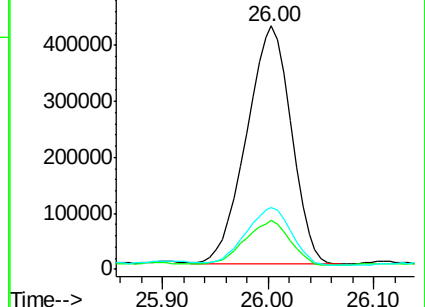
277 25.2 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#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

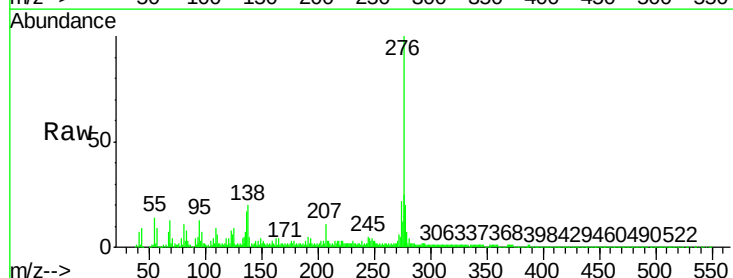
Tgt Ion:278 Resp: 256800

Ion Ratio Lower Upper

278 100

139 26.5 11.8 17.6#

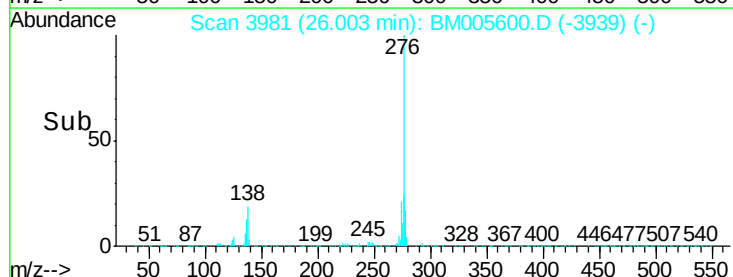
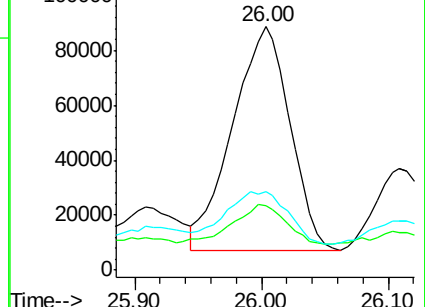
279 32.2 19.4 29.2#

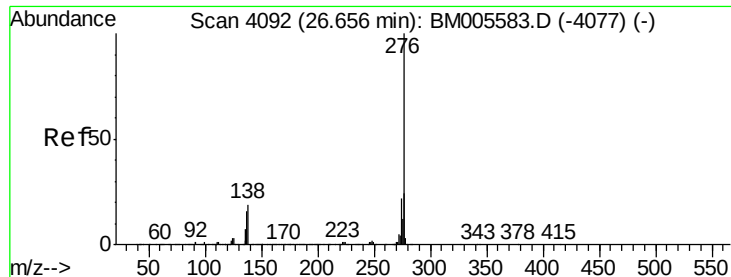


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#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

Instrument :

BNA_M

ClientSampleId :

JHGF1

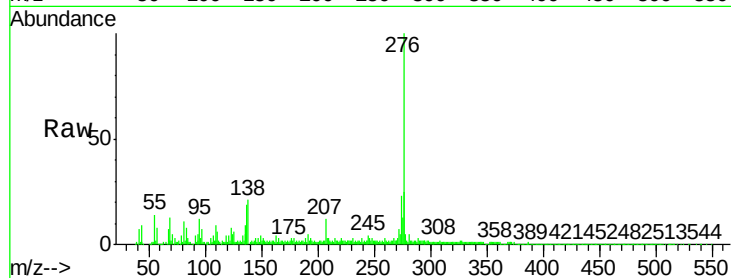
Tgt Ion:276 Resp: 1329134

Ion Ratio Lower Upper

276 100

138 20.8 15.0 22.6

277 24.9 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

