

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005627.D
 Acq On : 24 May 2016 02:28
 Operator : UM/SJ
 Sample : H3087-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL0RE

Quant Time: May 24 06:58:48 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	229337	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	1007764	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	502032	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	867165	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	817019	20.00	ng/ul	0.00
83) Perylene-d12	23.64	264	811608	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	19510	3.73	ng/uL	0.00
5) Phenol-d5	6.97	99	468786	24.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	264947	24.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	386687	24.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	350338	22.74	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	189712	24.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	210722	24.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	371183	23.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	244098	15.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	1023089	24.97	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1300631	25.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	125818	16.23	ng/ul	0.00
57) Fluorene-d10	15.43	176	827583	23.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	60553	12.14	ng/ul	0.00
70) Anthracene-d10	17.28	188	1081929	26.19	ng/ul	0.00
76) Pyrene-d10	19.57	212	1070562	28.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	970528	25.61	ng/ul	0.00

Target Compounds

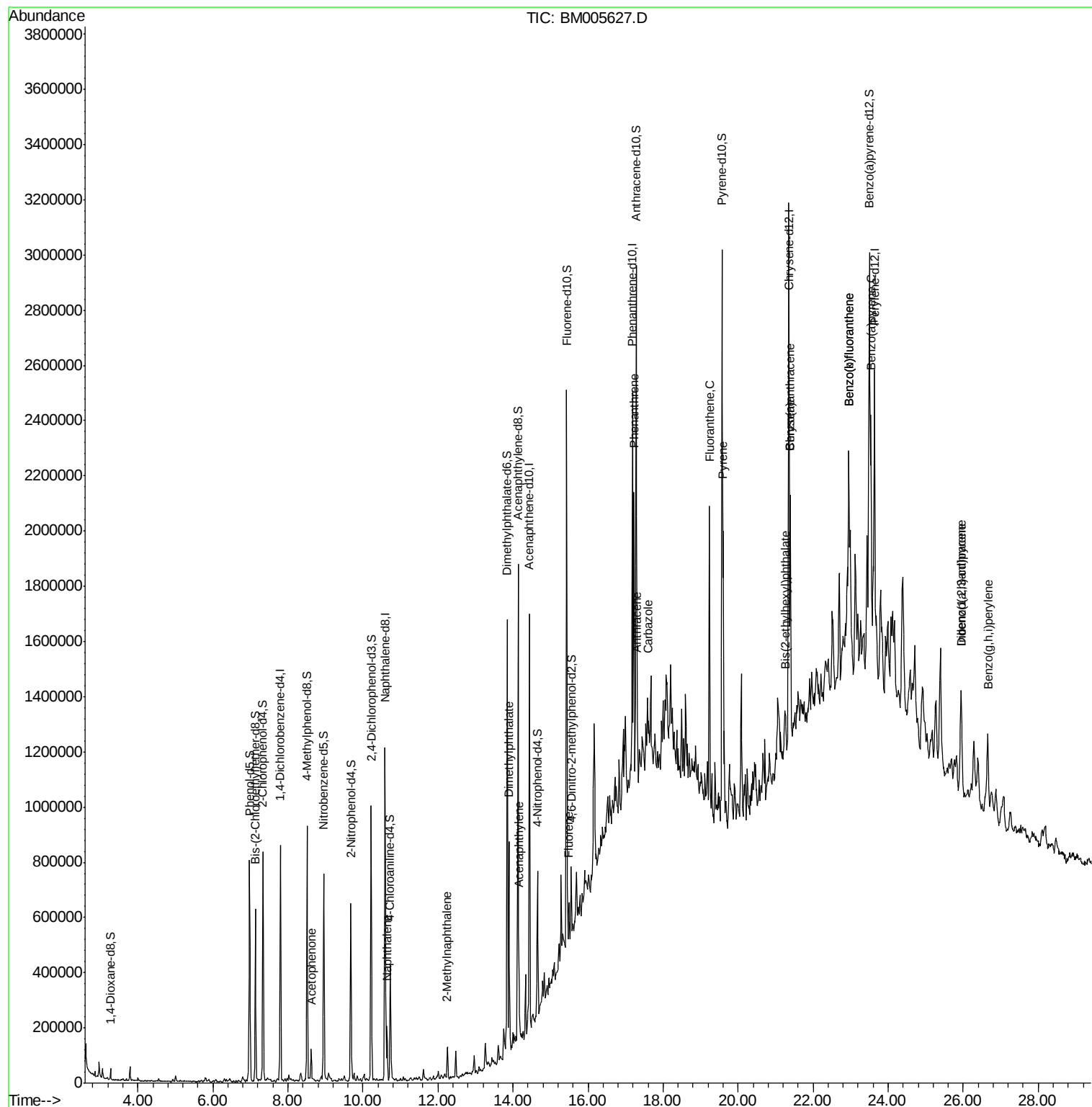
						Qvalue
14) Acetophenone	8.62	105	57397	2.47	ng/ul	99
28) Naphthalene	10.64	128	163658	3.23	ng/ul	99
34) 2-Methylnaphthalene	12.25	142	52844	1.43	ng/ul	98
44) Dimethylphthalate	13.89	163	425454	10.51	ng/ul	99
47) Acenaphthylene	14.16	152	172283	3.31	ng/ul	98
58) Fluorene	15.49	166	69478	1.77	ng/ul	96
69) Phenanthrene	17.23	178	676076	13.95	ng/ul	99
71) Anthracene	17.32	178	191050	3.87	ng/ul	95
72) Carbazole	17.59	167	48905	1.14	ng/ul#	81
74) Fluoranthene	19.24	202	689960	12.65	ng/ul	98
77) Pyrene	19.60	202	687836	14.64	ng/ul	100
80) Benzo(a)anthracene	21.39	228	506320	10.54	ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.27	149	33555	1.20	ng/ul#	95
82) Chrysene	21.39	228	506320	11.08	ng/ul	97
85) Benzo(b)fluoranthene	22.95	252	690232	14.42	ng/ul#	92
86) Benzo(k)fluoranthene	22.95	252	690232	15.23	ng/ul#	93
88) Benzo(a)pyrene	23.54	252	420402	9.05	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	25.94	276	336455	6.10	ng/ul	99
90) Dibenzo(a,h)anthracene	25.95	278	83211	1.81	ng/ul#	80
91) Benzo(g,h,i)perylene	26.66	276	335665	7.24	ng/ul	95

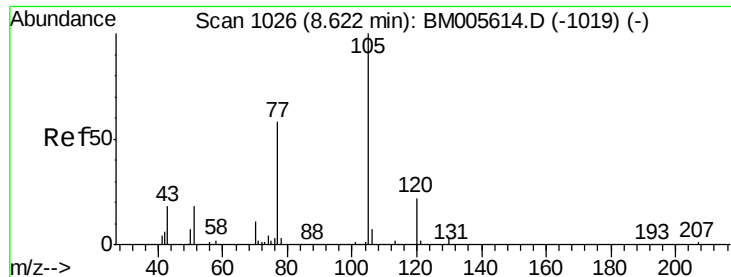
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 2.47 ng/ul

RT: 8.62 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

Instrument :

BNA_M

ClientSampleId :

JHGL0RE

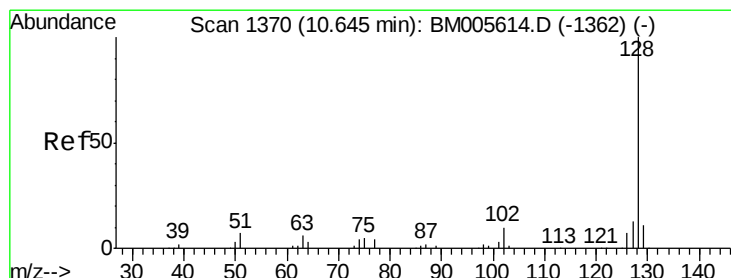
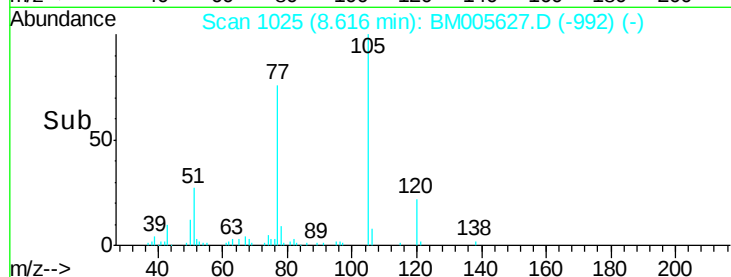
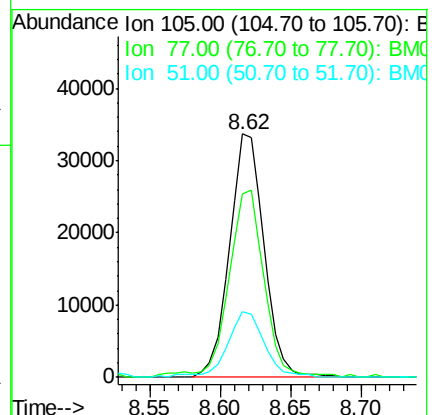
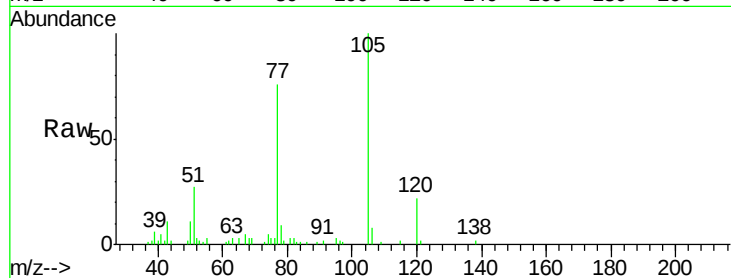
Tgt Ion:105 Resp: 57397

Ion Ratio Lower Upper

105 100

77 75.6 60.8 91.2

51 27.2 22.2 33.2



#28

Naphthalene

Concen: 3.23 ng/ul

RT: 10.64 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

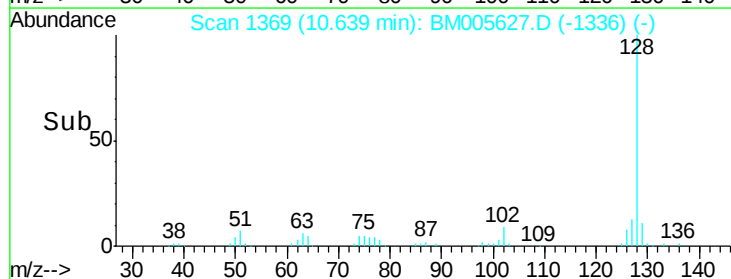
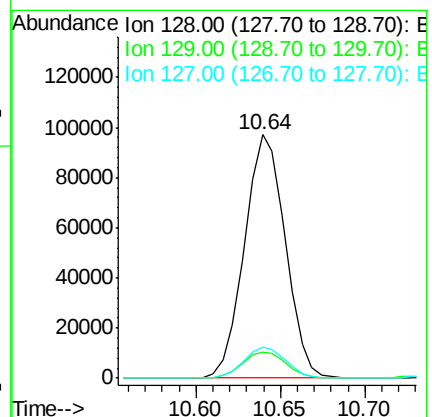
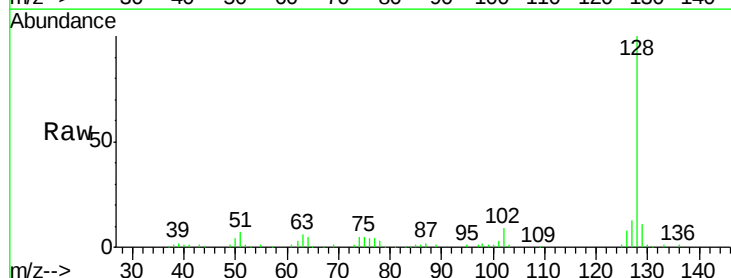
Tgt Ion:128 Resp: 163658

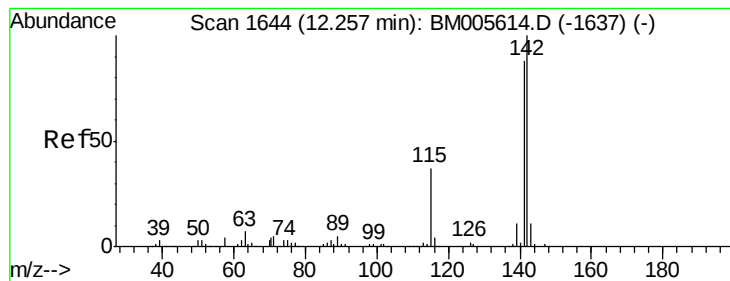
Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.7 10.6 15.8





#34

2-Methylnaphthalene

Concen: 1.43 ng/ul

RT: 12.25 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

Instrument :

BNA_M

ClientSampleId :

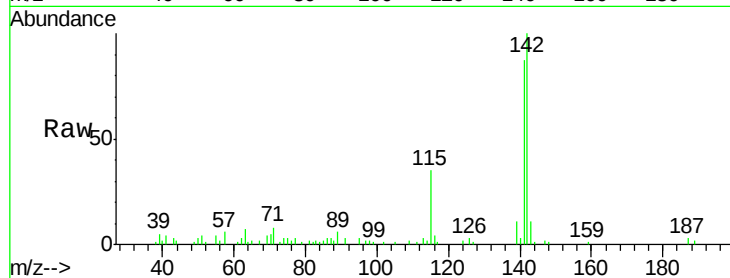
JHGL0RE

Tgt Ion:142 Resp: 52844

Ion Ratio Lower Upper

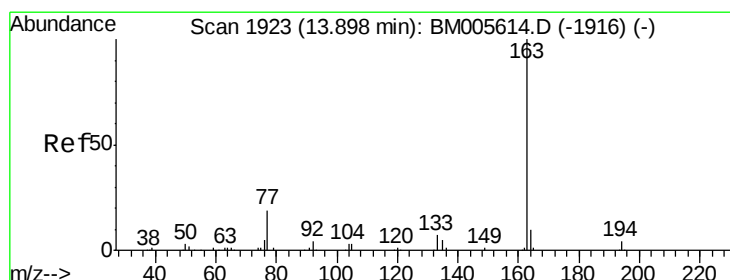
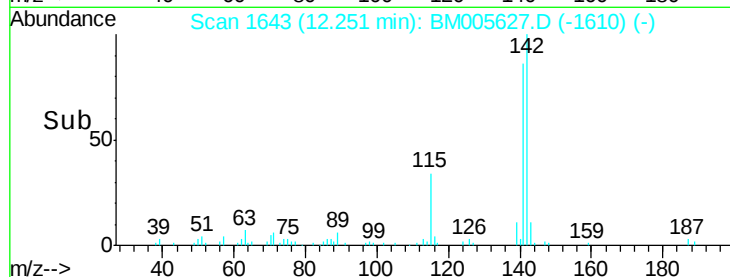
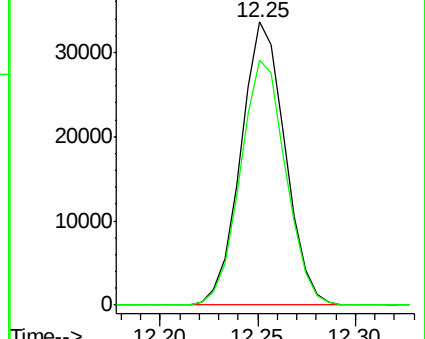
142 100

141 86.6 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 10.51 ng/ul

RT: 13.89 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

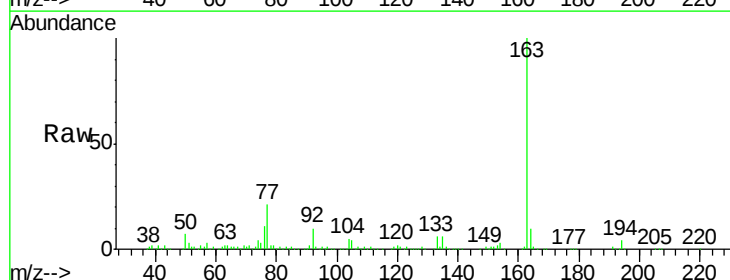
Tgt Ion:163 Resp: 425454

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

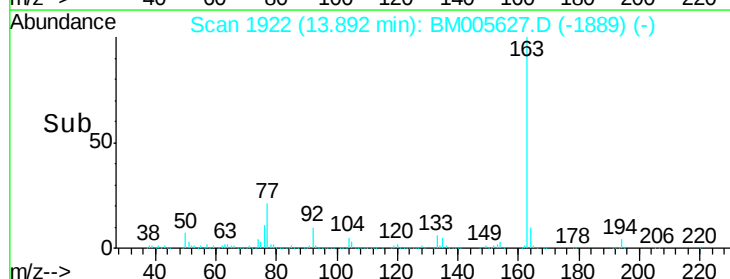
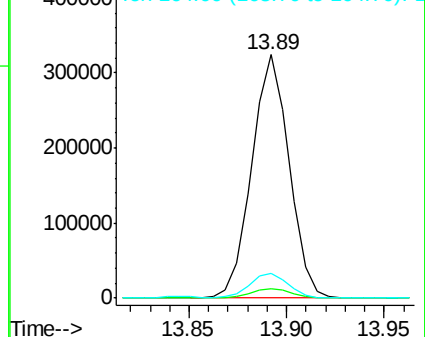
164 10.2 8.0 12.0

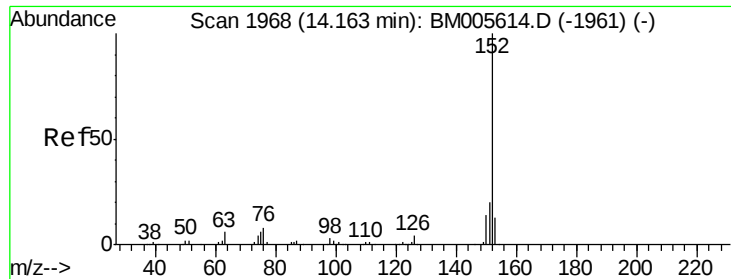


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

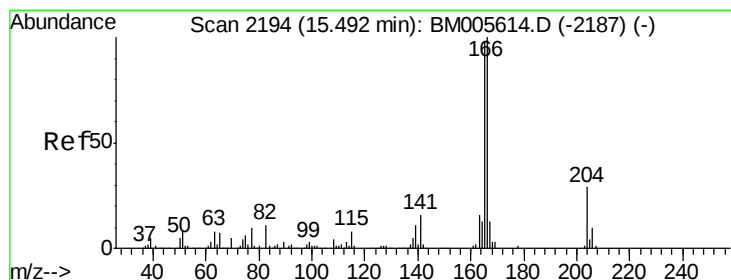
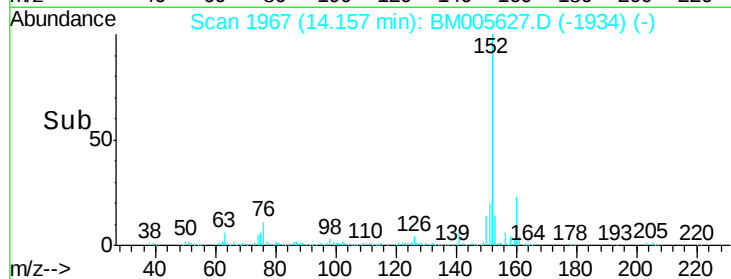
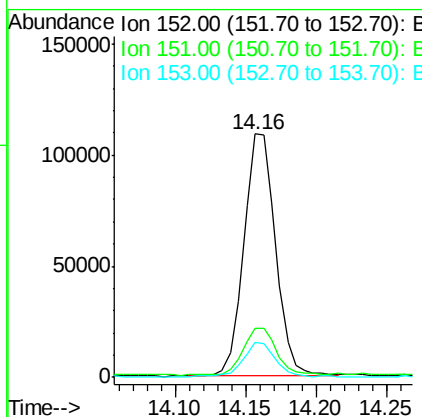
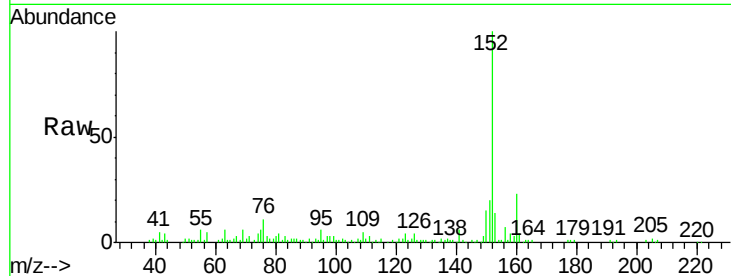




#47
Acenaphthylene
Concen: 3.31 ng/ul
RT: 14.16 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BM005627.D
Acq: 24 May 2016 02:28

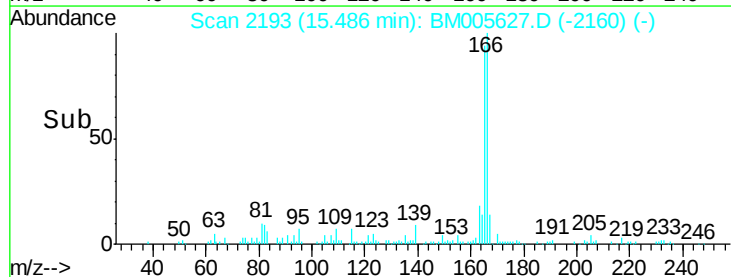
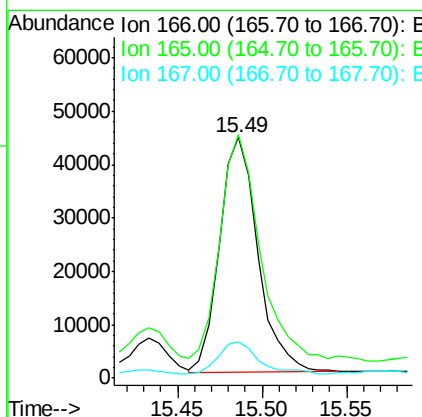
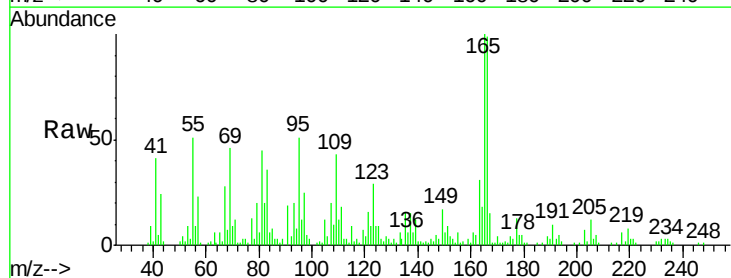
Instrument :
BNA_M
ClientSampleId :
JHGL0RE

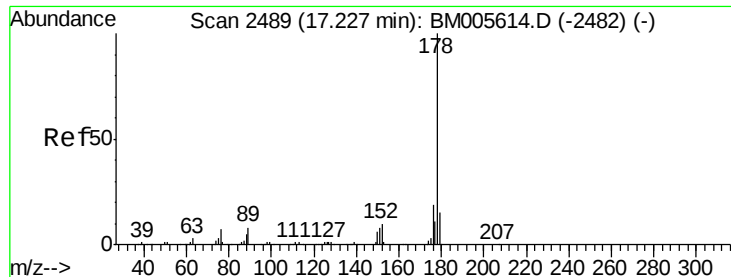
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	14.4	10.5	15.7



#58
Fluorene
Concen: 1.77 ng/ul
RT: 15.49 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BM005627.D
Acq: 24 May 2016 02:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	78.0	117.0
167	14.8	10.5	15.7





#69

Phenanthrene

Concen: 13.95 ng/ul

RT: 17.23 min Scan# 2489

Delta R.T. -0.00 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

Instrument :

BNA_M

ClientSampleId :

JHGL0RE

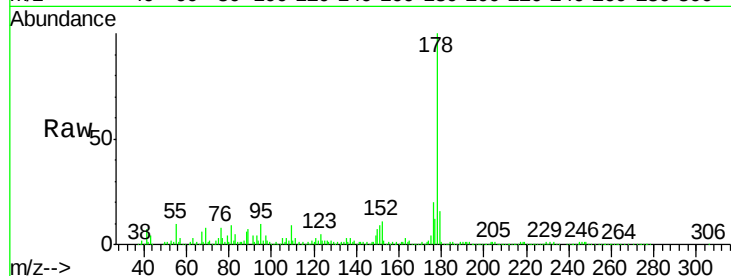
Tgt Ion:178 Resp: 676076

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

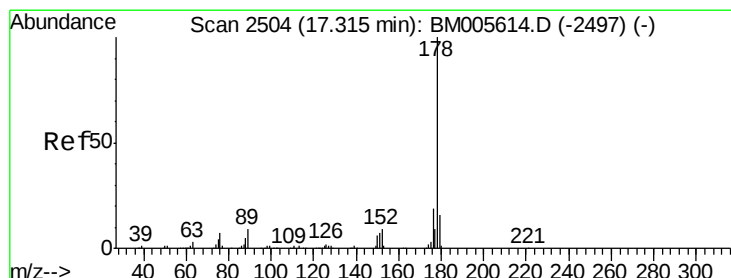
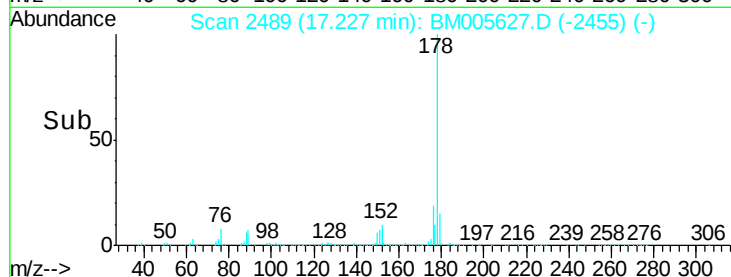
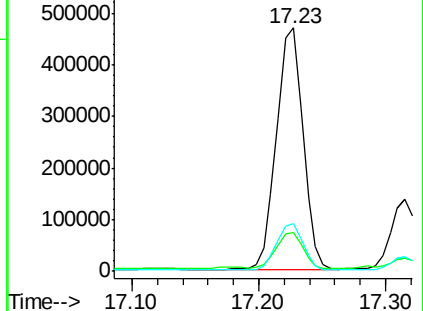
176 19.6 15.8 23.6



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



#71

Anthracene

Concen: 3.87 ng/ul

RT: 17.32 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

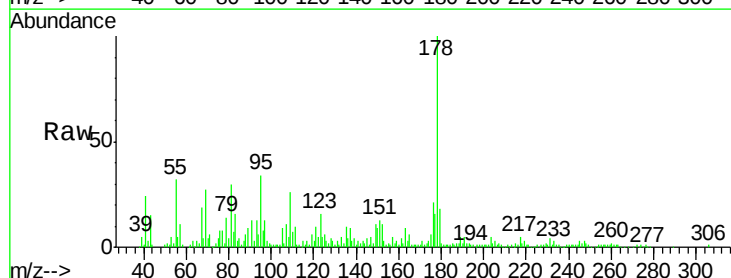
Tgt Ion:178 Resp: 191050

Ion Ratio Lower Upper

178 100

179 18.3 12.6 18.8

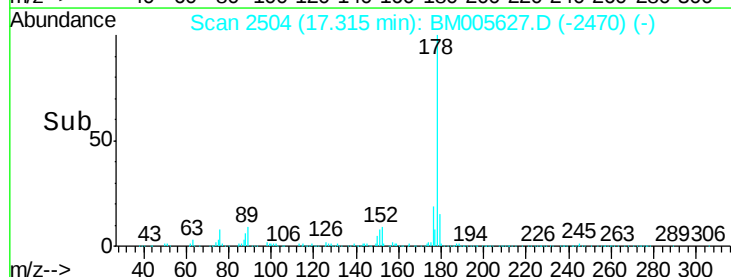
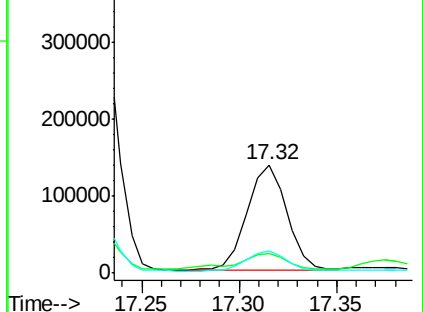
176 20.5 15.0 22.4

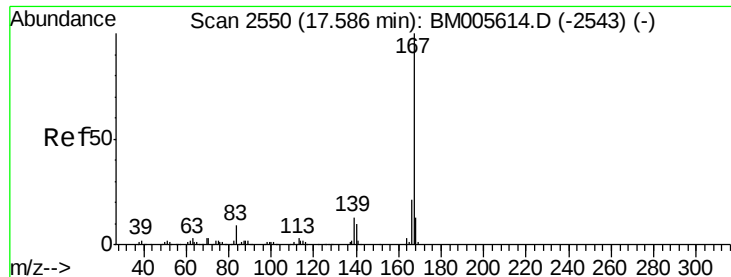


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.14 ng/ul

RT: 17.59 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

Instrument :

BNA_M

ClientSampleId :

JHGL0RE

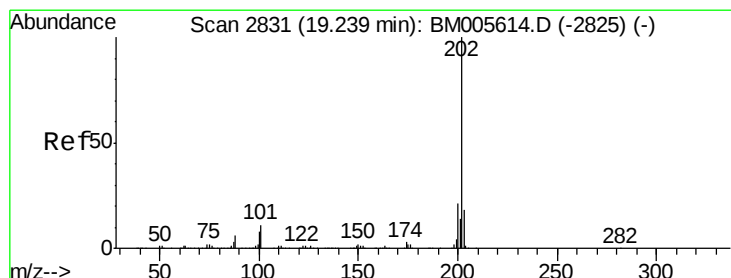
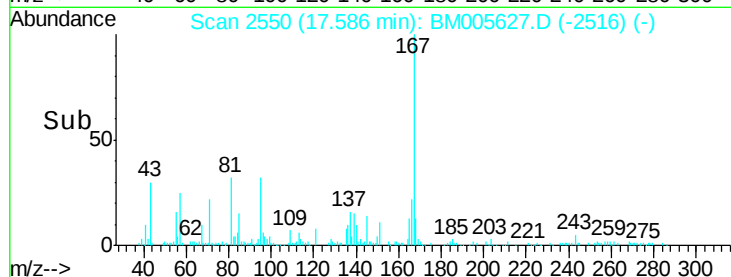
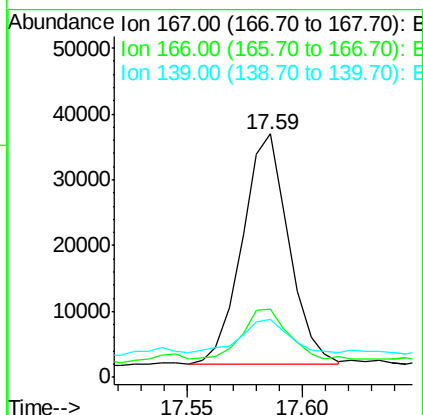
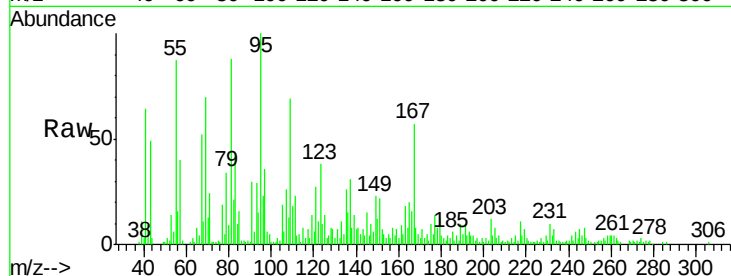
Tgt Ion:167 Resp: 48905

Ion Ratio Lower Upper

167 100

166 28.2 16.9 25.3#

139 23.8 10.6 16.0#



#74

Fluoranthene

Concen: 12.65 ng/ul

RT: 19.24 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

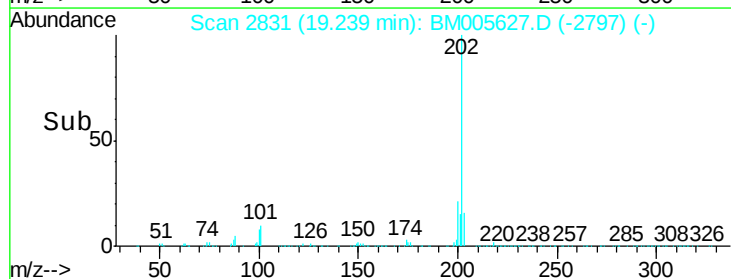
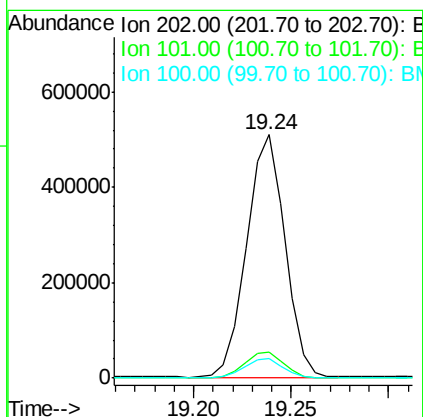
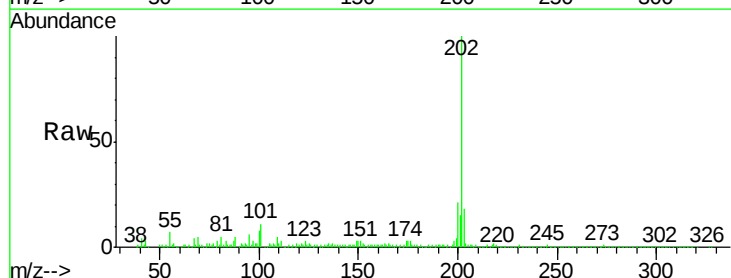
Tgt Ion:202 Resp: 689960

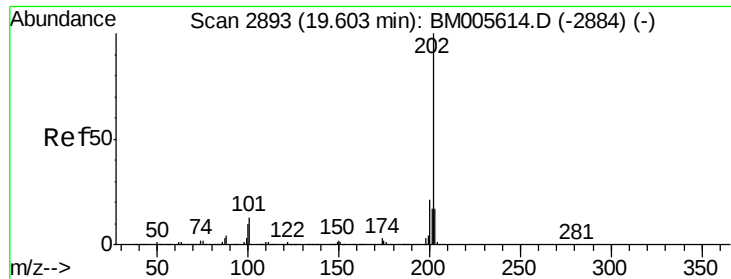
Ion Ratio Lower Upper

202 100

101 10.7 7.9 11.9

100 8.1 5.6 8.4

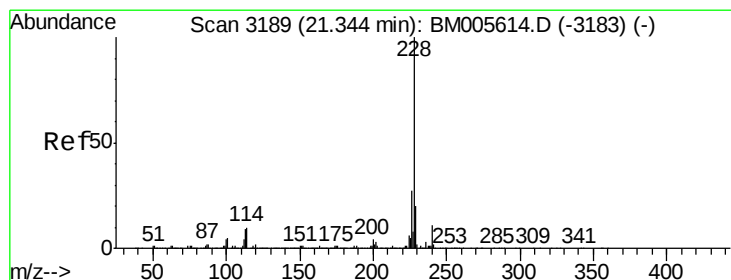
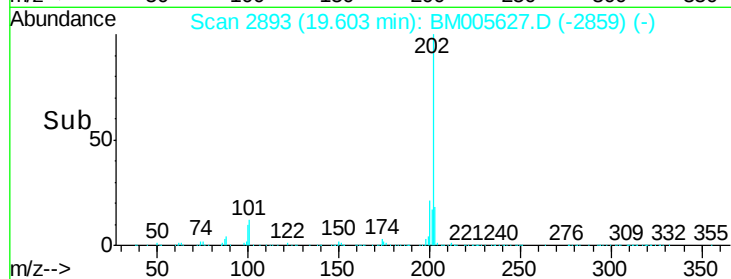
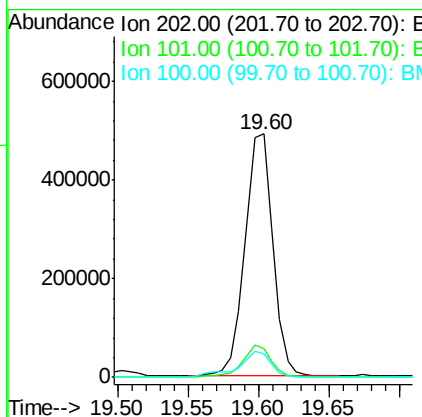
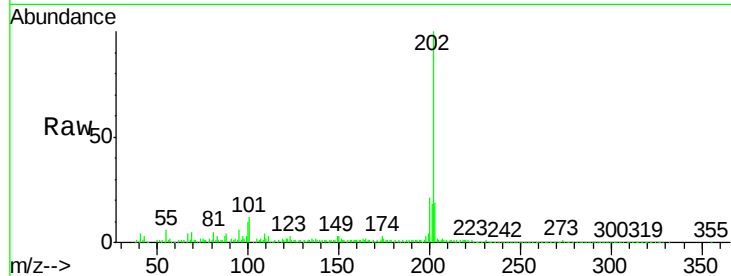




#77
 Pyrene
 Concen: 14.64 ng/ul
 RT: 19.60 min Scan# 2893
 Delta R.T. -0.00 min
 Lab File: BM005627.D
 Acq: 24 May 2016 02:28

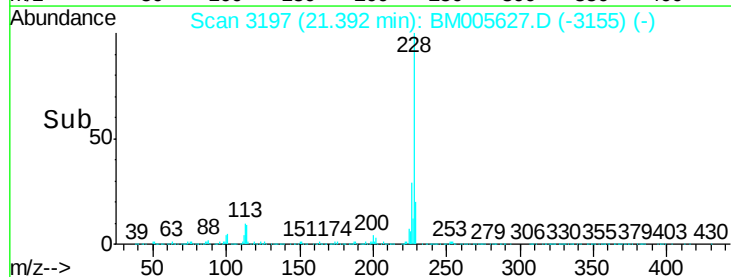
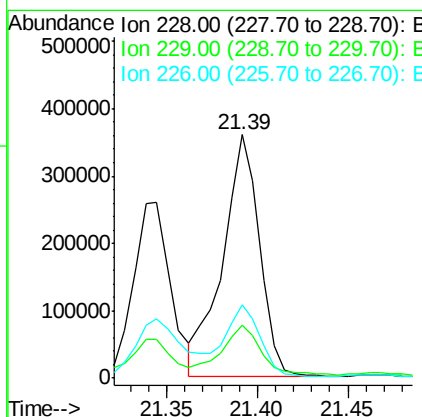
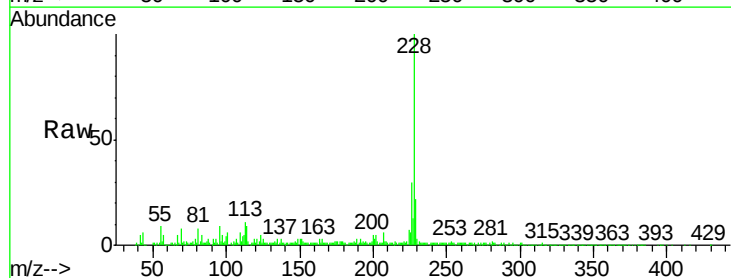
Instrument :
 BNA_M
 ClientSampleId :
 JHGL0RE

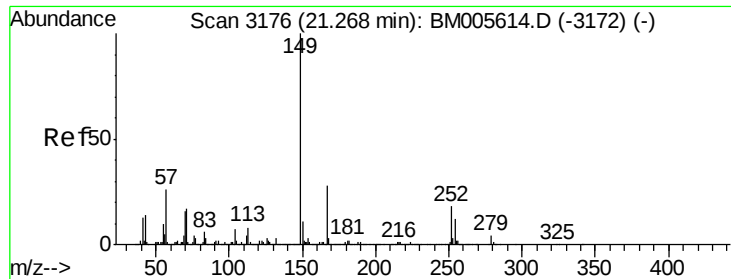
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.6	14.4
100	9.6	7.8	11.6



#80
 Benzo(a)anthracene
 Concen: 10.54 ng/ul
 RT: 21.39 min Scan# 3197
 Delta R.T. 0.05 min
 Lab File: BM005627.D
 Acq: 24 May 2016 02:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.4	23.2
226	30.0	21.0	31.4





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.20 ng/ul

RT: 21.27 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

Instrument :

BNA_M

ClientSampleId :

JHGL0RE

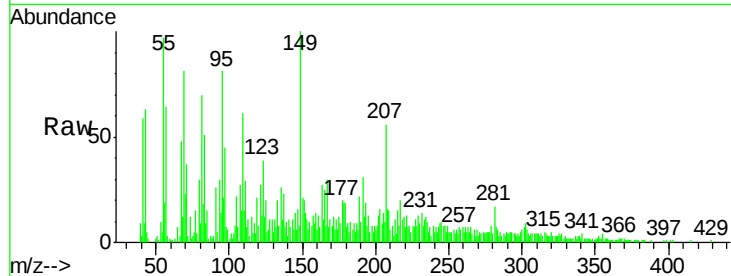
Tgt Ion:149 Resp: 33555

Ion Ratio Lower Upper

149 100

167 29.6 22.0 33.0

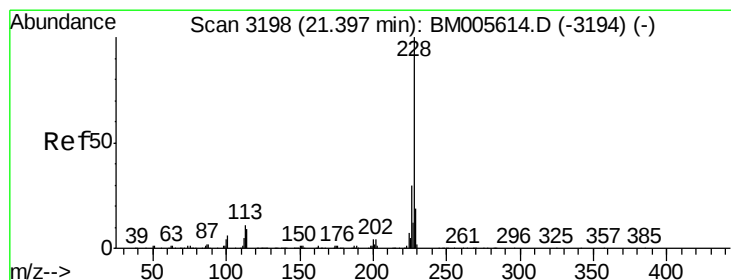
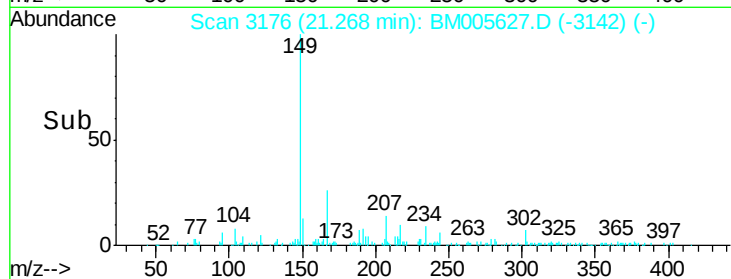
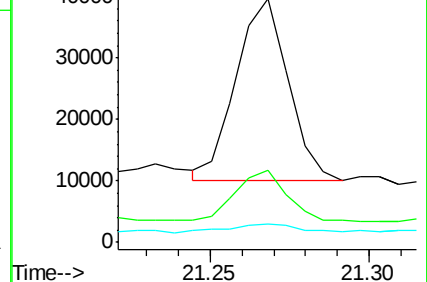
279 7.6 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 11.08 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

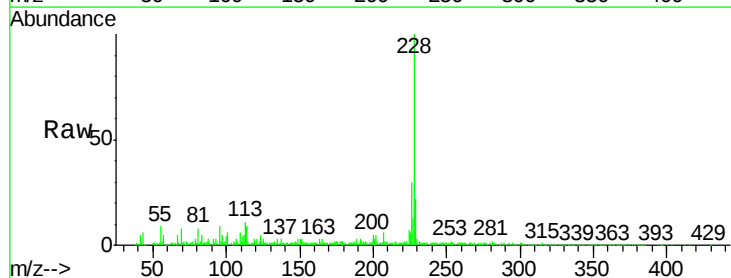
Tgt Ion:228 Resp: 506320

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

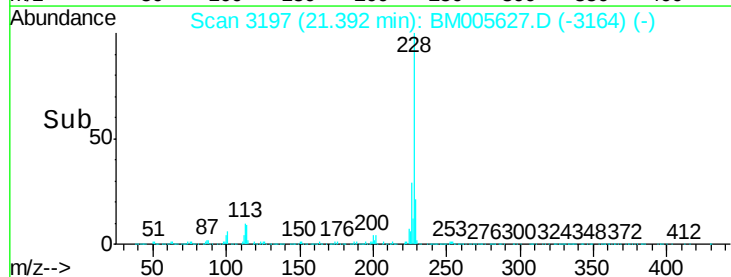
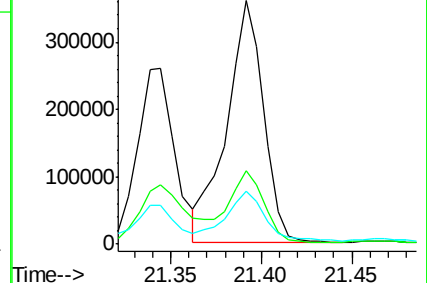
229 22.0 15.5 23.3

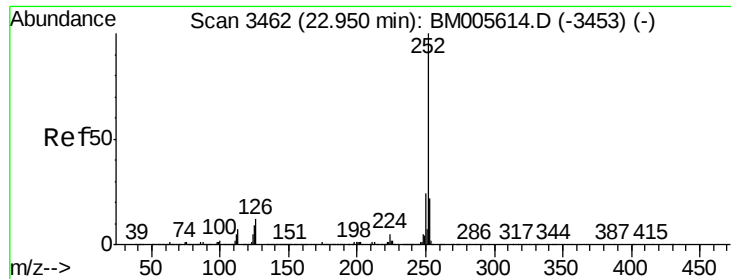


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 14.42 ng/ul

RT: 22.95 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

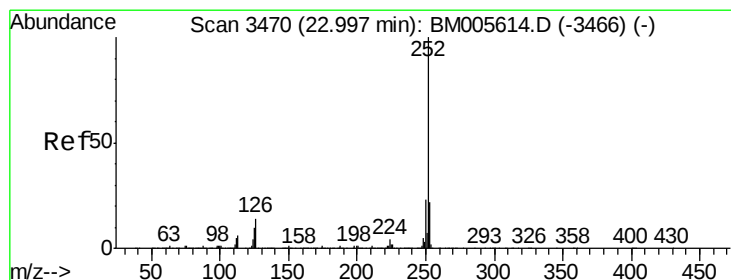
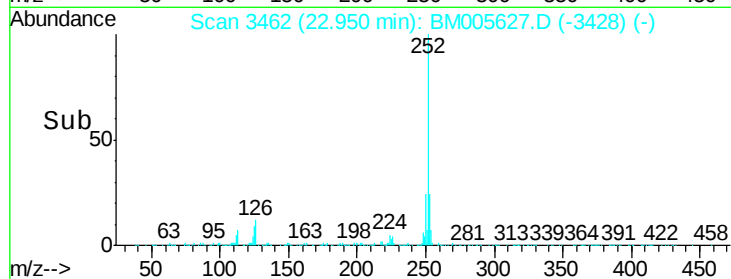
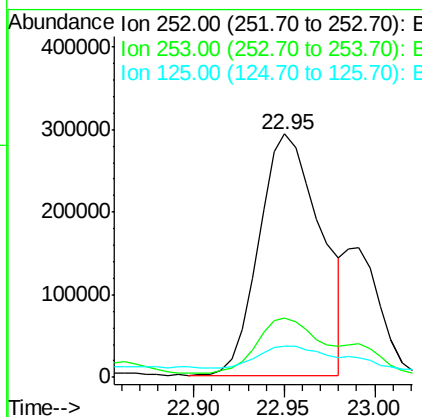
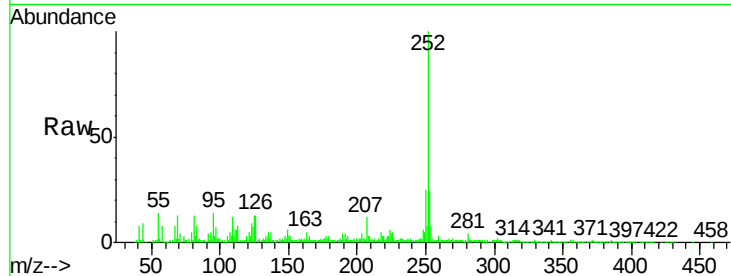
Instrument :

BNA_M

ClientSampleId :

JHGL0RE

Tgt Ion:	252	Resp:	690232
Ion Ratio		Lower	Upper
252	100		
253	24.5	17.3	25.9
125	12.9	7.0	10.4#



#86

Benzo(k)fluoranthene

Concen: 15.23 ng/ul

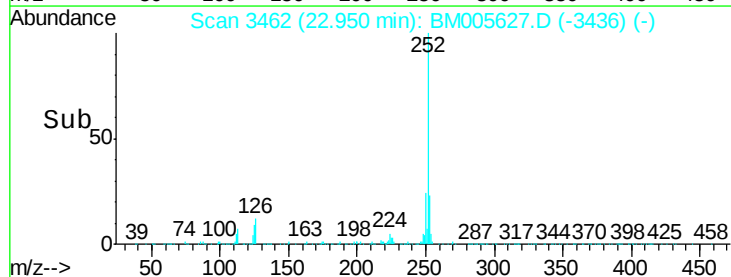
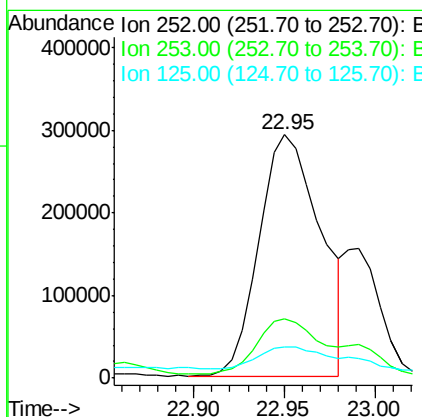
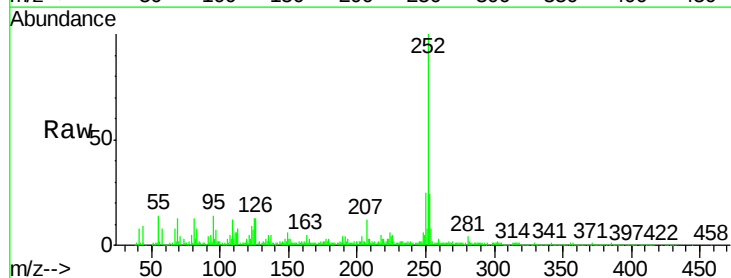
RT: 22.95 min Scan# 3462

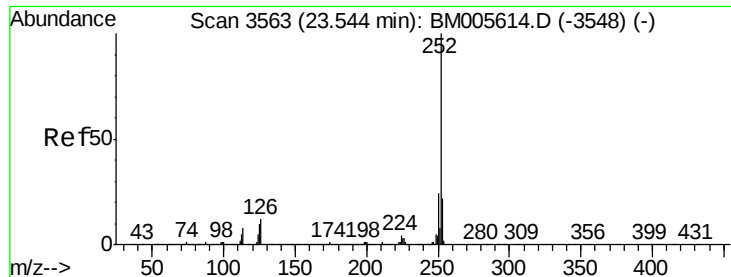
Delta R.T. -0.05 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

Tgt Ion:	252	Resp:	690232
Ion Ratio		Lower	Upper
252	100		
253	24.5	17.5	26.3
125	12.9	7.0	10.6#





#88

Benzo(a)pyrene

Concen: 9.05 ng/ul

RT: 23.54 min Scan# 3562

Delta R.T. -0.01 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

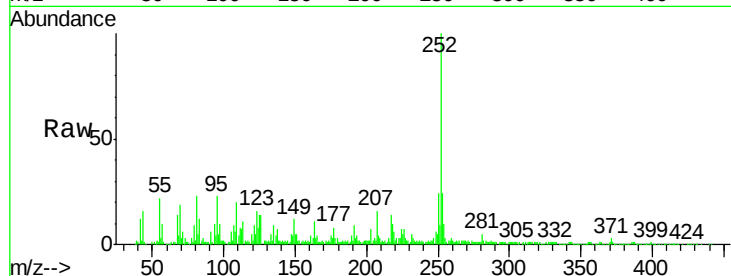
Instrument :

BNA_M

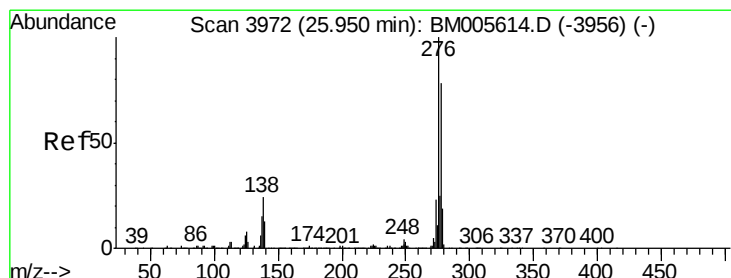
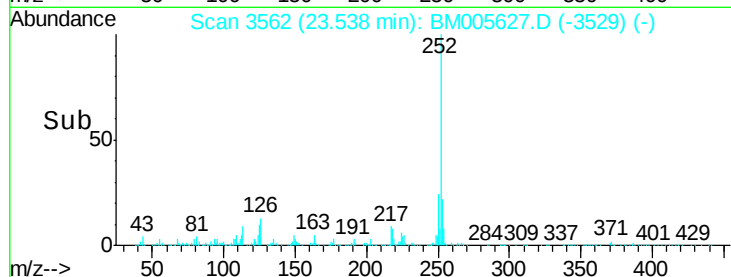
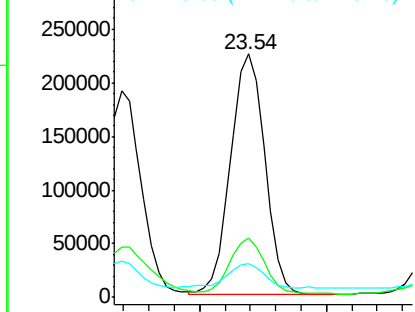
ClientSampleId :

JHGL0RE

Tgt Ion:	252	Resp:	420402
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	14.0	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: 6.10 ng/ul

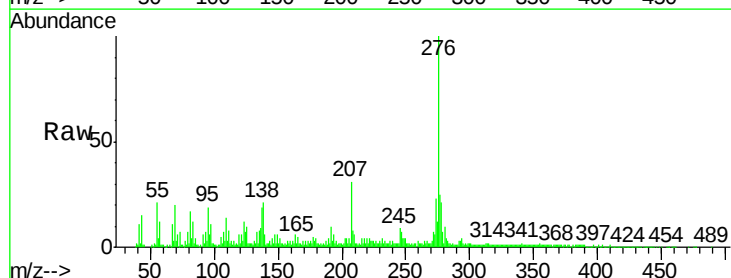
RT: 25.94 min Scan# 3971

Delta R.T. -0.01 min

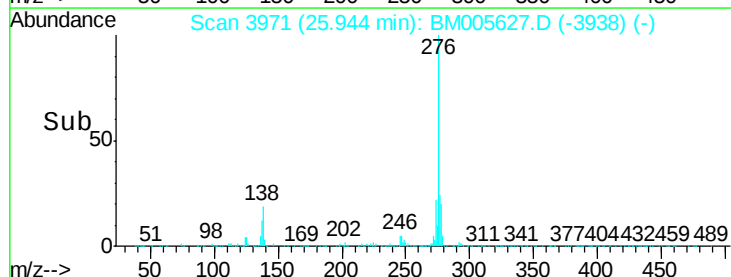
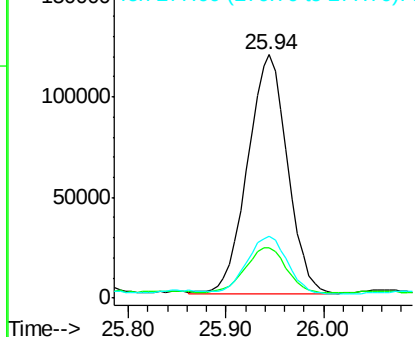
Lab File: BM005627.D

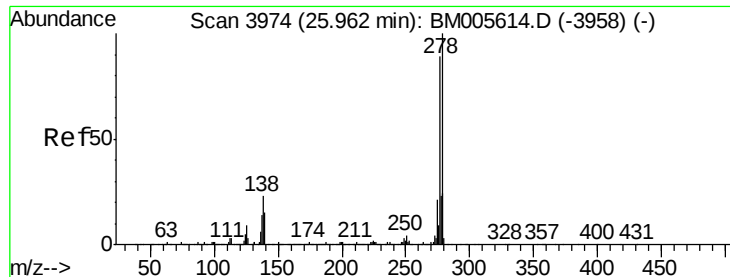
Acq: 24 May 2016 02:28

Tgt Ion:	276	Resp:	336455
Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.9	25.3
277	25.4	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: 1.81 ng/ul

RT: 25.95 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

Instrument :

BNA_M

ClientSampleId :

JHGL0RE

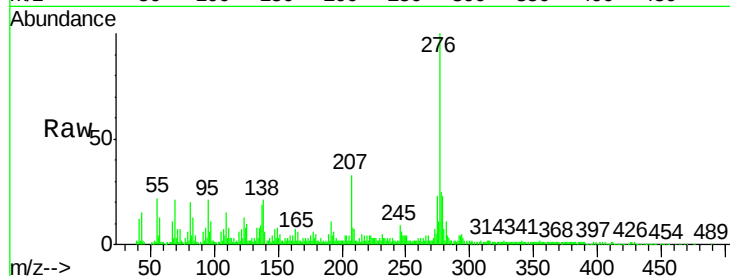
Tgt Ion:278 Resp: 83211

Ion Ratio Lower Upper

278 100

139 26.1 11.8 17.6#

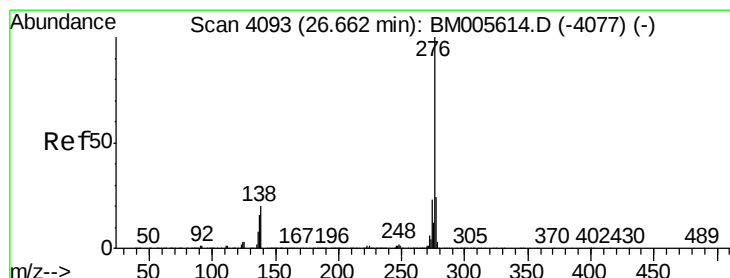
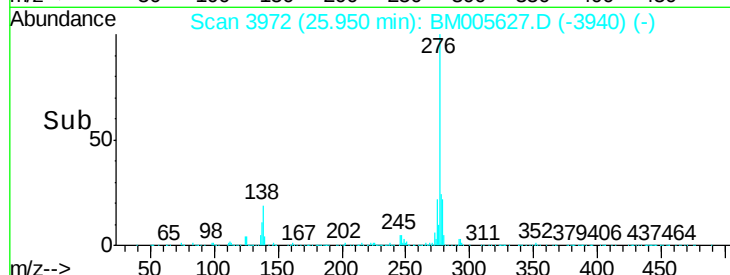
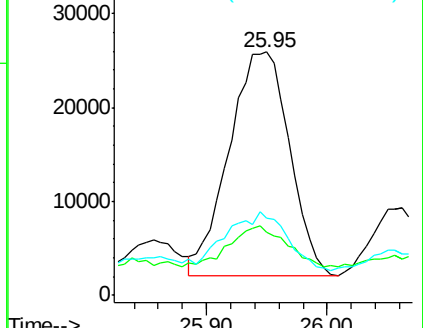
279 31.7 19.4 29.2#



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: 7.24 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM005627.D

Acq: 24 May 2016 02:28

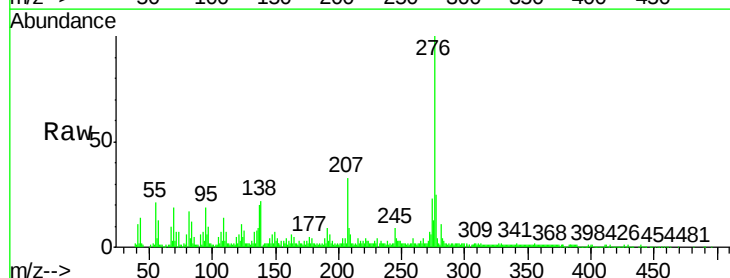
Tgt Ion:276 Resp: 335665

Ion Ratio Lower Upper

276 100

138 21.6 15.0 22.6

277 25.0 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

