

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005599.D
 Acq On : 22 May 2016 22:40
 Operator : UM/SJ
 Sample : H3087-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL0

Quant Time: May 23 05:35:35 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	97788	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	695625	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	393602	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	831206	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	882603	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	769382	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	8060	3.61	ng/uL	0.00
5) Phenol-d5	6.98	99	227616	28.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	121763	26.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	182072	27.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	261628	39.83	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	128979	24.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	158907	27.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	302808	27.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	214144	19.39	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	900754	28.03	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1168646	29.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	142571	23.46	ng/ul	0.00
57) Fluorene-d10	15.44	176	792078	28.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	91003	19.03	ng/ul	0.00
70) Anthracene-d10	17.29	188	1182281	29.86	ng/ul	0.00
76) Pyrene-d10	19.58	212	1311831	32.82	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1062705	29.58	ng/ul	0.01

Target Compounds

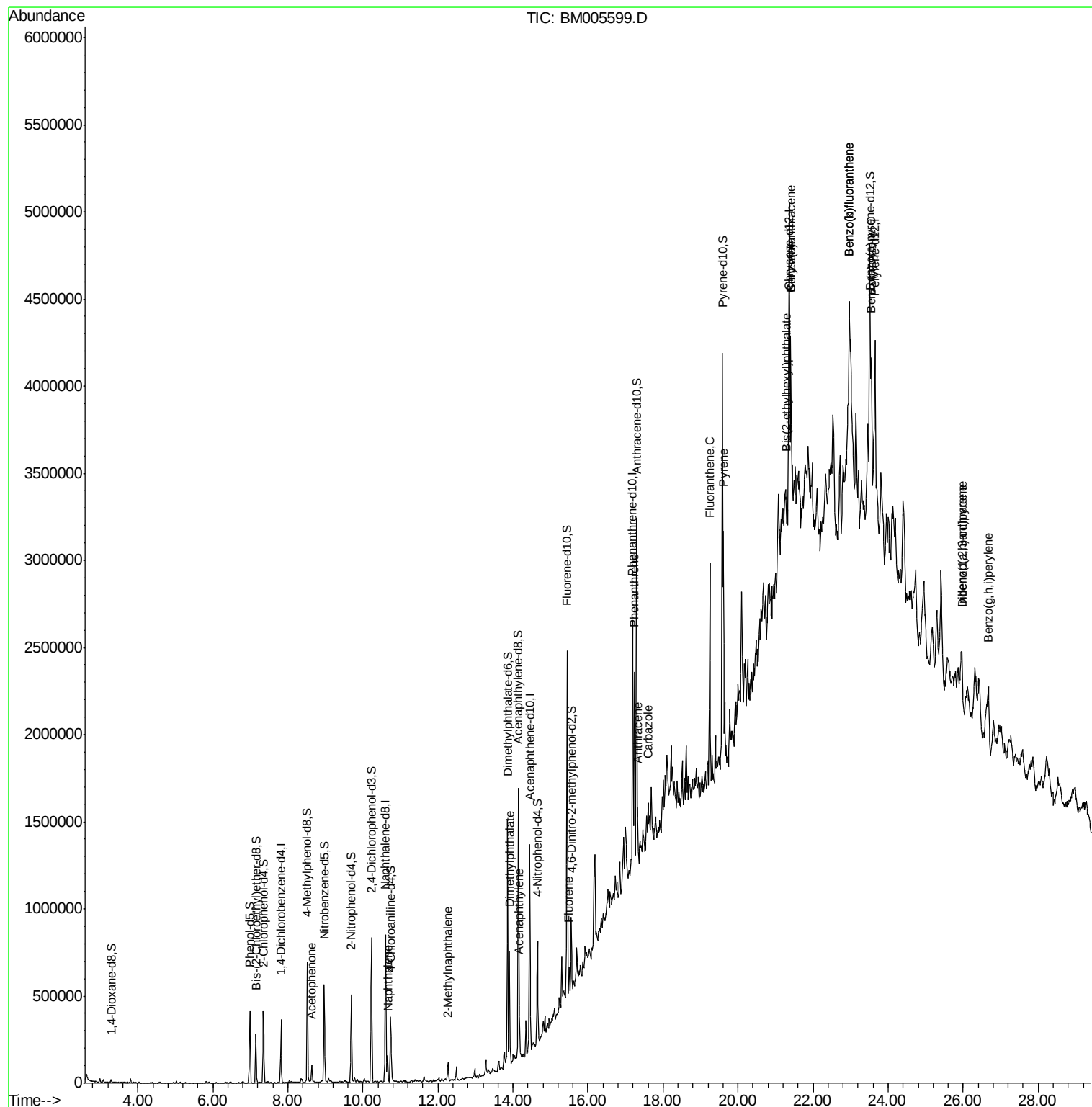
						Qvalue
14) Acetophenone	8.63	105	50378	5.09	ng/ul	99
28) Naphthalene	10.66	128	126786	3.63	ng/ul	99
34) 2-Methylnaphthalene	12.27	142	44230	1.73	ng/ul	97
44) Dimethylphthalate	13.90	163	374187	11.79	ng/ul	99
47) Acenaphthylene	14.17	152	180109	4.41	ng/ul	97
58) Fluorene	15.49	166	64999	2.11	ng/ul	94
69) Phenanthrene	17.23	178	731349	15.74	ng/ul	99
71) Anthracene	17.32	178	204749	4.32	ng/ul	96
72) Carbazole	17.59	167	56947	1.39	ng/ul#	81
74) Fluoranthene	19.24	202	838703	16.04	ng/ul	98
77) Pyrene	19.61	202	839953	16.55	ng/ul	99
80) Benzo(a)anthracene	21.40	228	602090	11.61	ng/ul	92
81) Bis(2-ethylhexyl)phthalate	21.28	149	58489	1.94	ng/ul#	93
82) Chrysene	21.40	228	602090	12.20	ng/ul	96
85) Benzo(b)fluoranthene	22.96	252	740693	16.32	ng/ul#	80
86) Benzo(k)fluoranthene	22.96	252	740693	17.24	ng/ul#	81
88) Benzo(a)pyrene	23.55	252	455765	10.35	ng/ul#	87
89) Indeno(1,2,3-cd)pyrene	25.96	276	340646	6.51	ng/ul	99
90) Dibenzo(a,h)anthracene	25.97	278	84633	1.94	ng/ul#	57
91) Benzo(g,h,i)perylene	26.67	276	339463	7.72	ng/ul	93

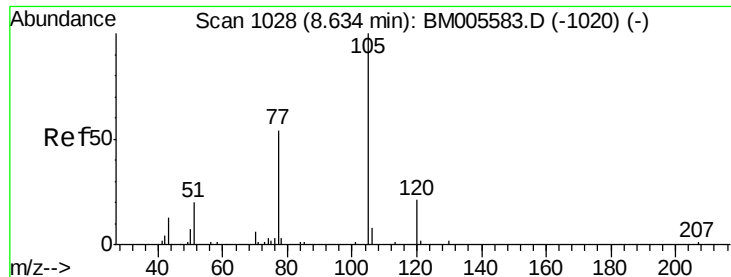
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005599.D
Acq On : 22 May 2016 22:40
Operator : UM/SJ
Sample : H3087-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGL0

Quant Time: May 23 05:35:35 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





#14

Acetophenone

Concen: 5.09 ng/ul

RT: 8.63 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampleId :

JHGL0

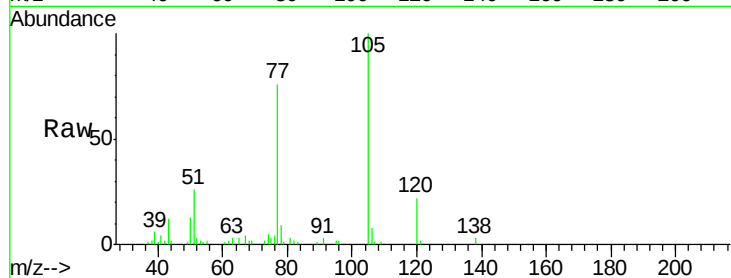
Tgt Ion:105 Resp: 50378

Ion Ratio Lower Upper

105 100

77 76.2 60.8 91.2

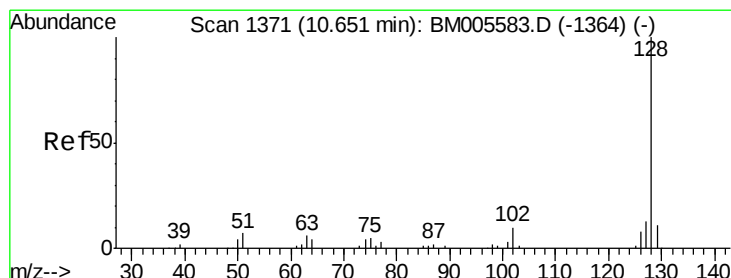
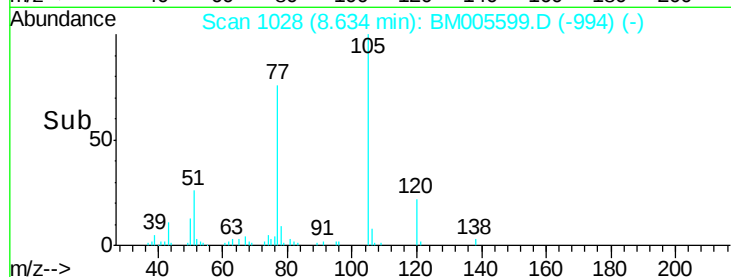
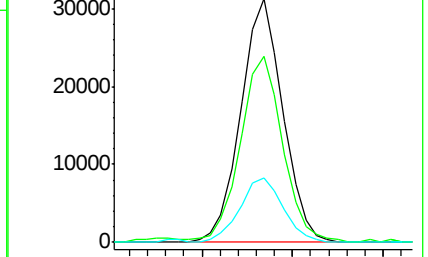
51 26.4 22.2 33.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM005583.D (-1020) (-)

Ion 51.00 (50.70 to 51.70): BM005583.D (-1020) (-)



#28

Naphthalene

Concen: 3.63 ng/ul

RT: 10.66 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

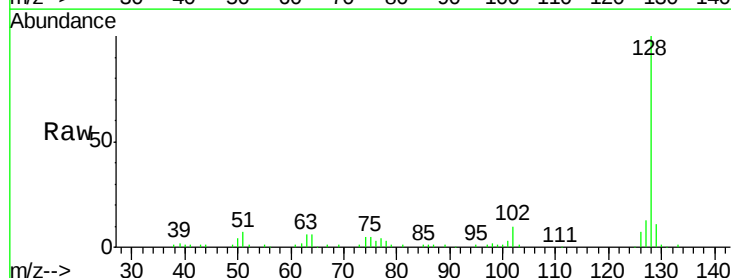
Tgt Ion:128 Resp: 126786

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

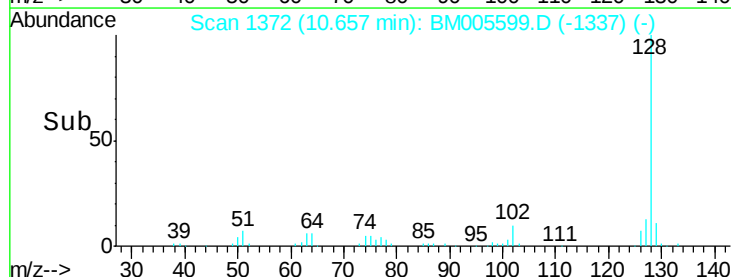
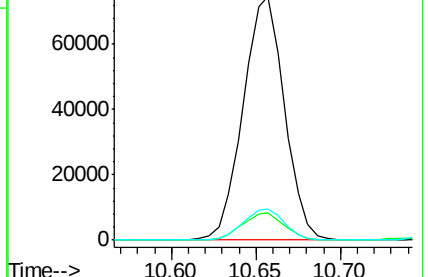
127 12.6 10.6 15.8

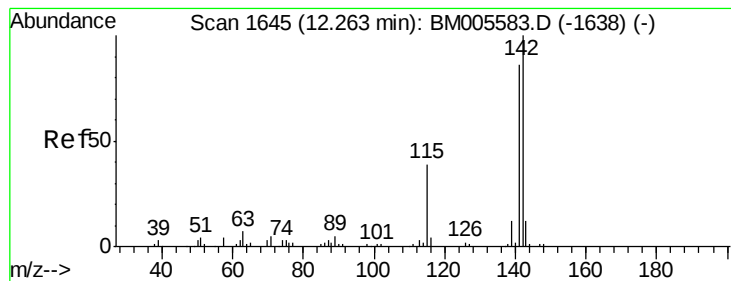


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 1.73 ng/ul

RT: 12.27 min Scan# 1646

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampleId :

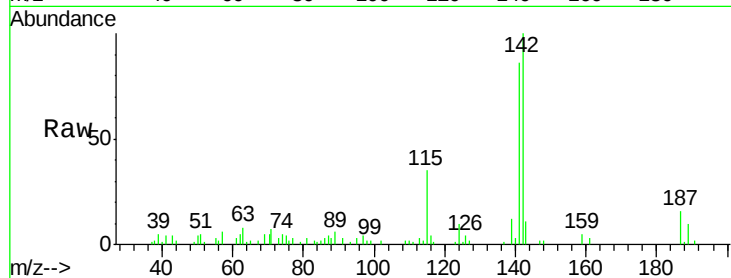
JHGL0

Tgt Ion:142 Resp: 44230

Ion Ratio Lower Upper

142 100

141 85.7 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.27

25000

20000

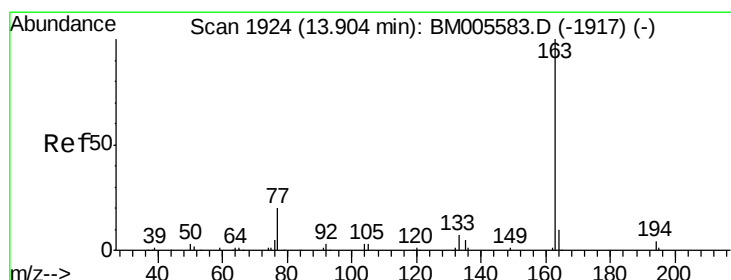
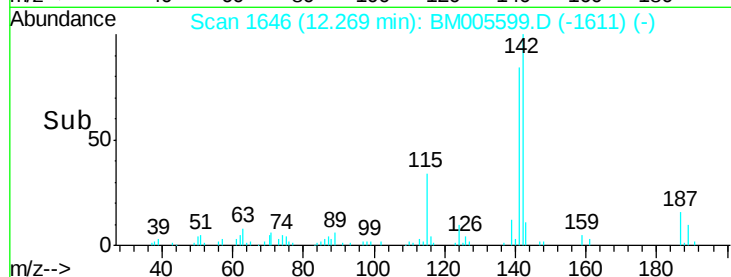
15000

10000

5000

0

Time--> 12.20 12.25 12.30



#44

Dimethylphthalate

Concen: 11.79 ng/ul

RT: 13.90 min Scan# 1924

Delta R.T. 0.00 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

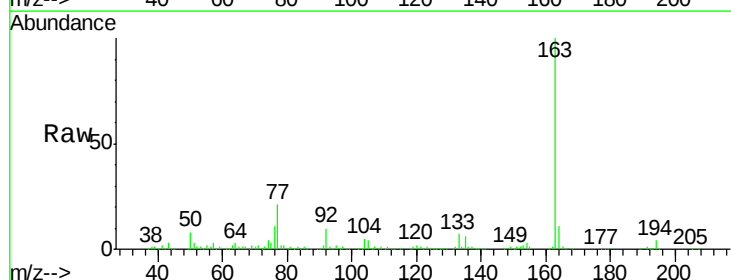
Tgt Ion:163 Resp: 374187

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

164 10.6 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

13.90

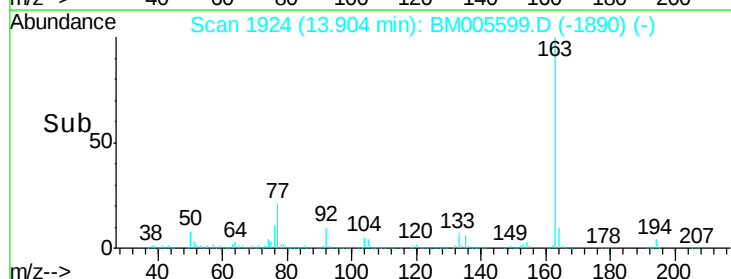
300000

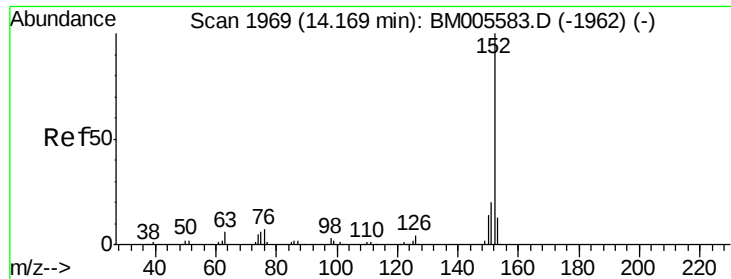
200000

100000

0

Time--> 13.85 13.90 13.95





#47

Acenaphthylene

Concen: 4.41 ng/ul

RT: 14.17 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampleId :

JHGL0

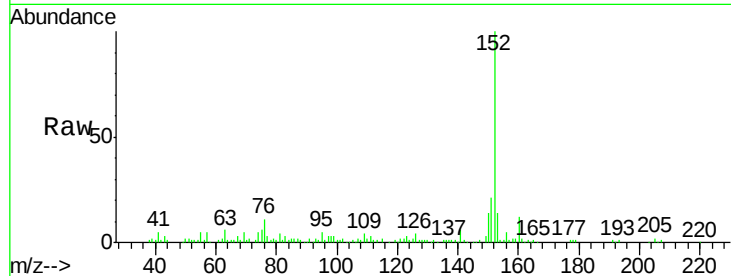
Tgt Ion:152 Resp: 180109

Ion Ratio Lower Upper

152 100

151 21.4 15.7 23.5

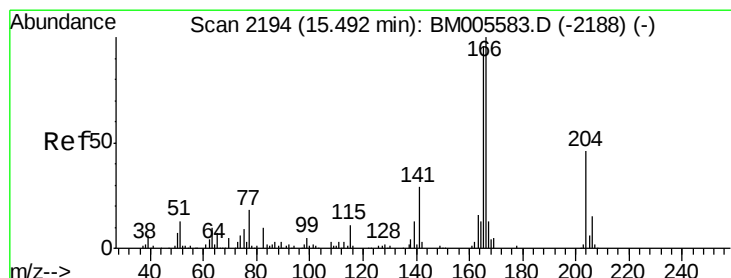
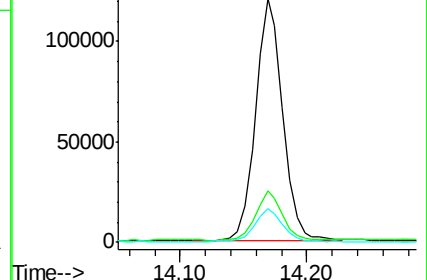
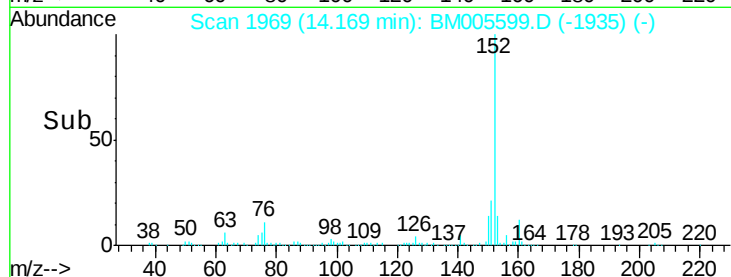
153 13.9 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#58

Fluorene

Concen: 2.11 ng/ul

RT: 15.49 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

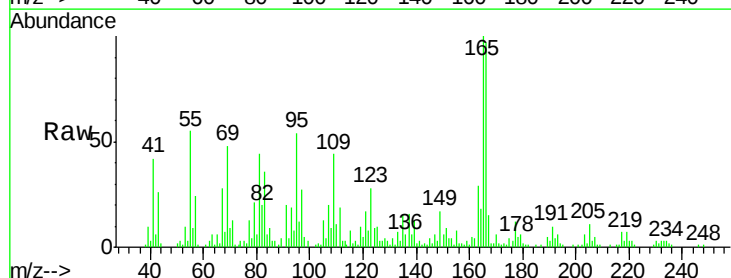
Tgt Ion:166 Resp: 64999

Ion Ratio Lower Upper

166 100

165 103.5 78.0 117.0

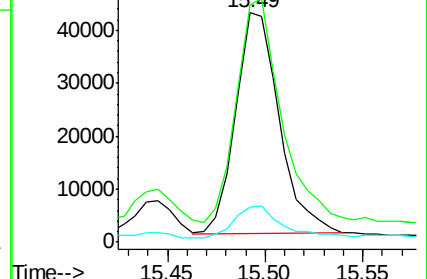
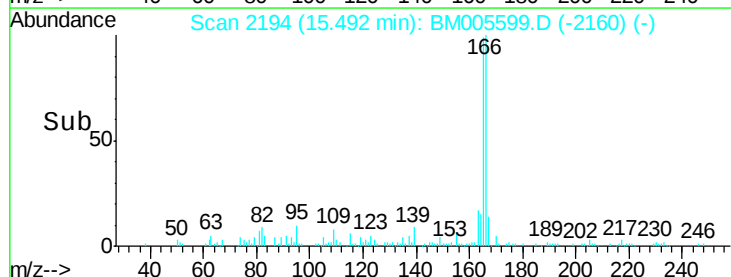
167 15.4 10.5 15.7

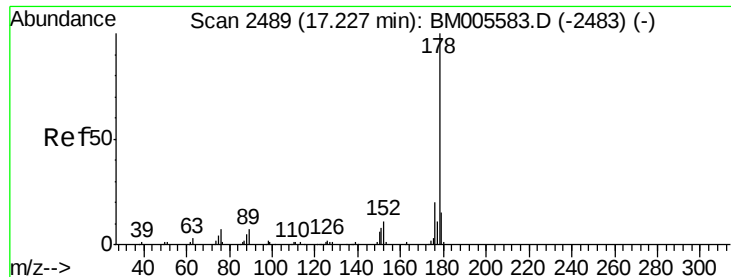


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.74 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampleId :

JHGL0

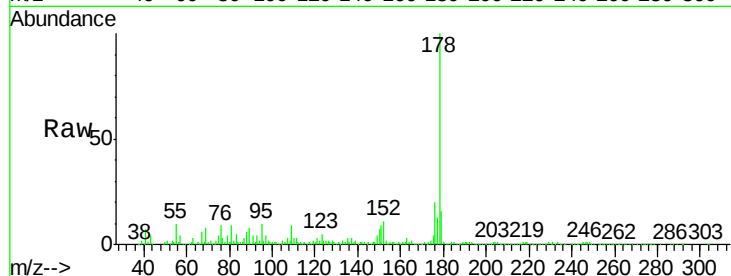
Tgt Ion:178 Resp: 731349

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

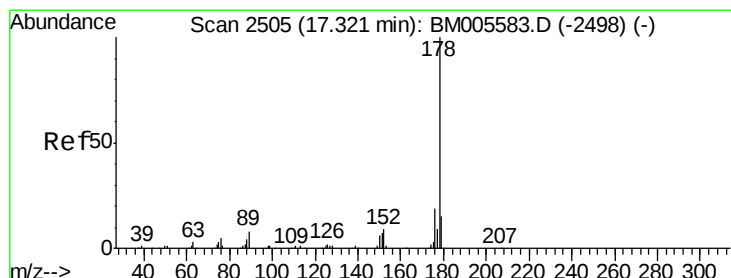
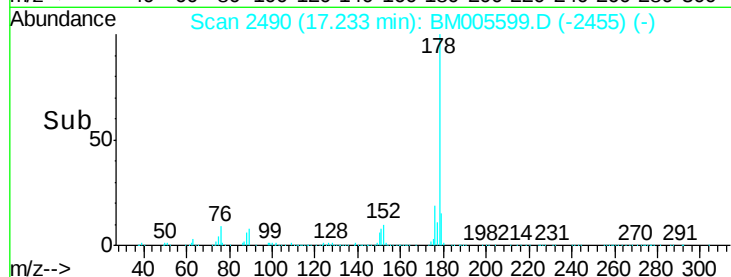
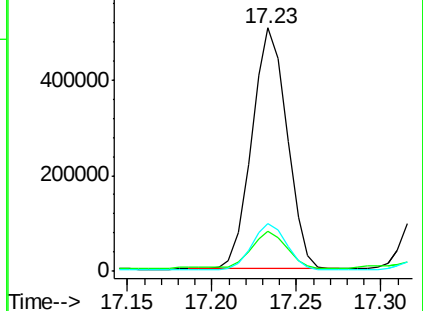
176 19.6 15.8 23.6



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: 4.32 ng/ul

RT: 17.32 min Scan# 2505

Delta R.T. 0.00 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

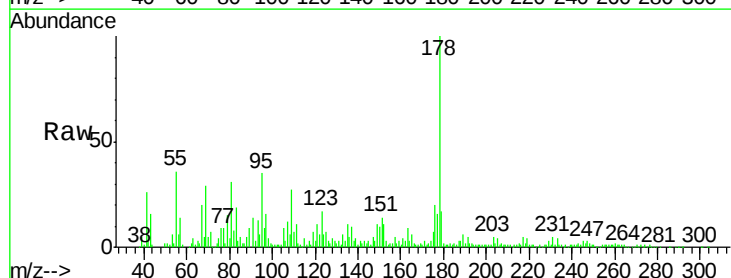
Tgt Ion:178 Resp: 204749

Ion Ratio Lower Upper

178 100

179 17.5 12.6 18.8

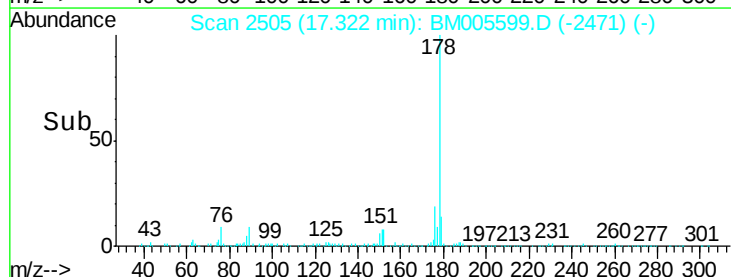
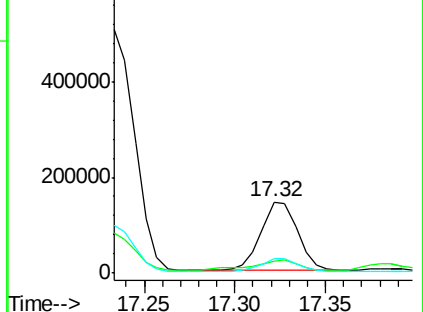
176 20.3 15.0 22.4

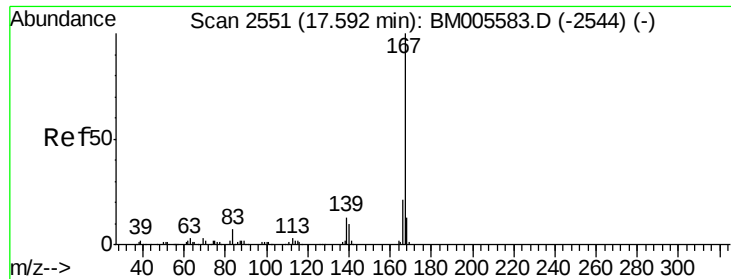


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.39 ng/ul

RT: 17.59 min Scan# 2551

Delta R.T. 0.00 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampleId :

JHGL0

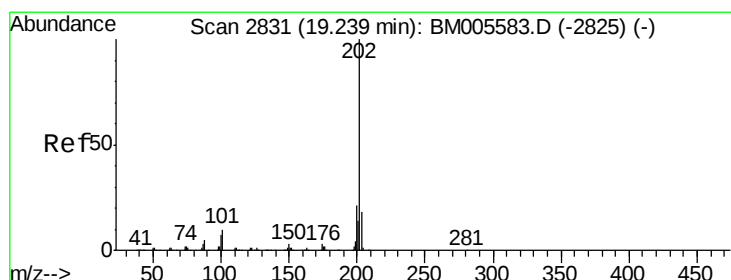
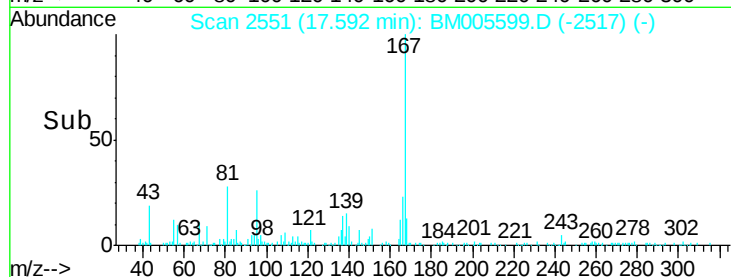
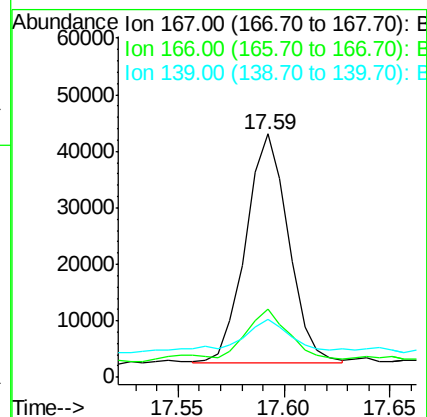
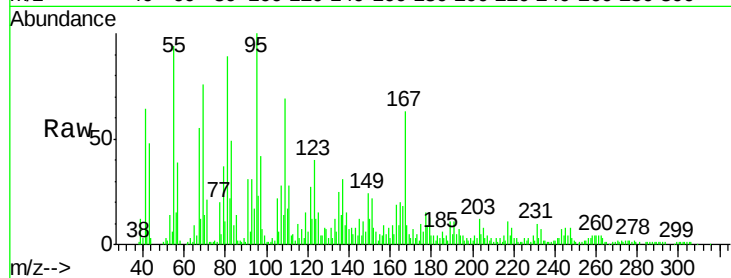
Tgt Ion:167 Resp: 56947

Ion Ratio Lower Upper

167 100

166 28.2 16.9 25.3#

139 23.7 10.6 16.0#



#74

Fluoranthene

Concen: 16.04 ng/ul

RT: 19.24 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

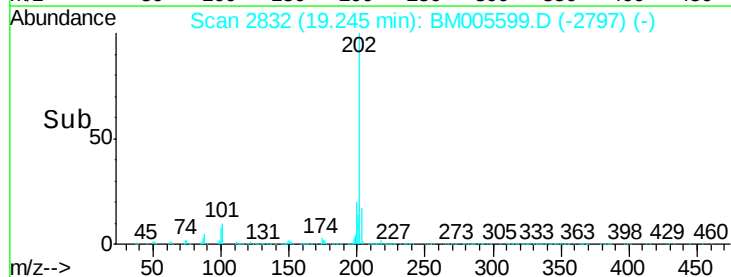
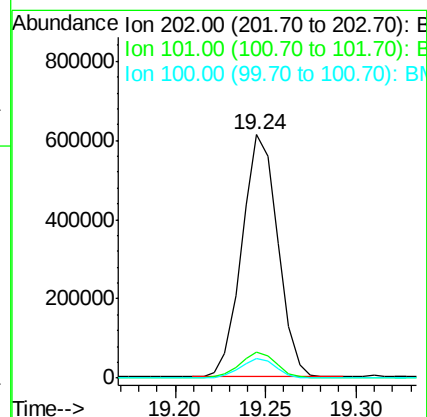
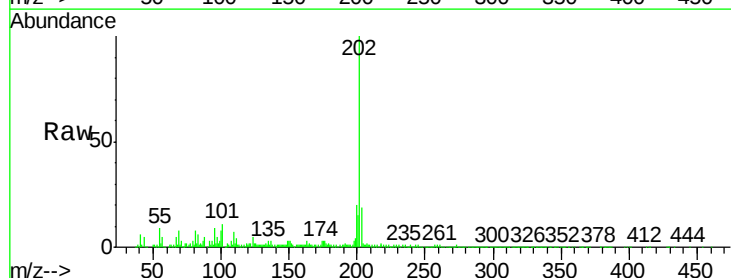
Tgt Ion:202 Resp: 838703

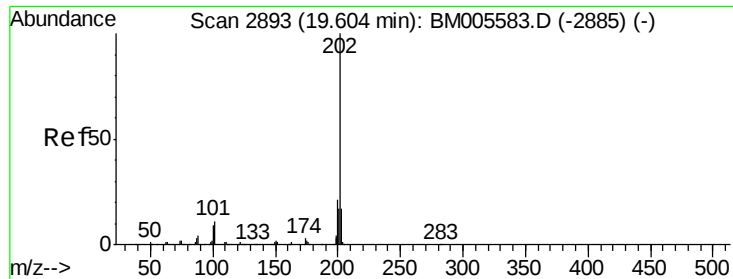
Ion Ratio Lower Upper

202 100

101 10.6 7.9 11.9

100 8.0 5.6 8.4





#77

Pyrene

Concen: 16.55 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampleId :

JHGL0

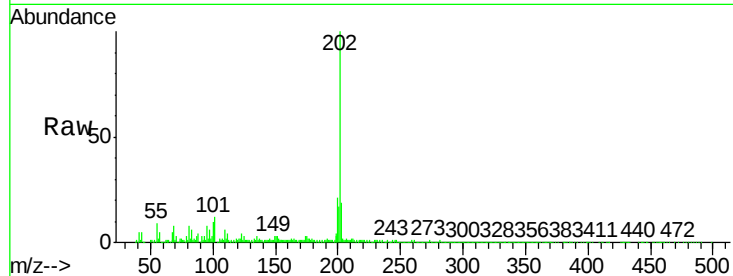
Tgt Ion:202 Resp: 839953

Ion Ratio Lower Upper

202 100

101 12.2 9.6 14.4

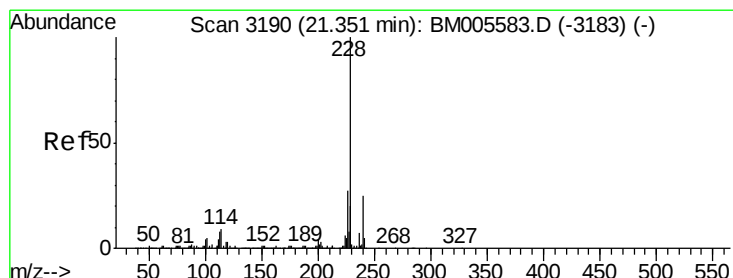
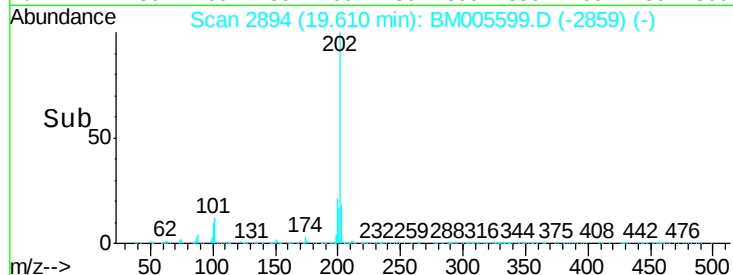
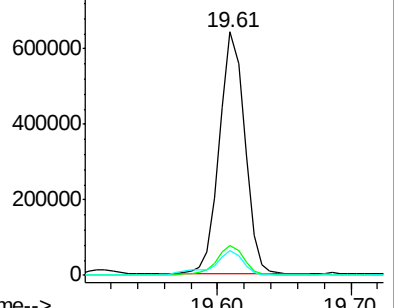
100 10.0 7.8 11.6



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: 11.61 ng/ul

RT: 21.40 min Scan# 3199

Delta R.T. 0.05 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

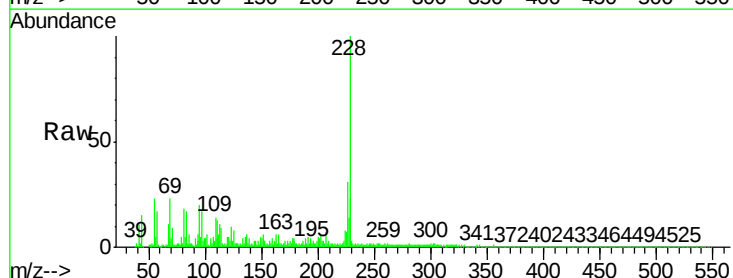
Tgt Ion:228 Resp: 602090

Ion Ratio Lower Upper

228 100

229 23.1 15.4 23.2

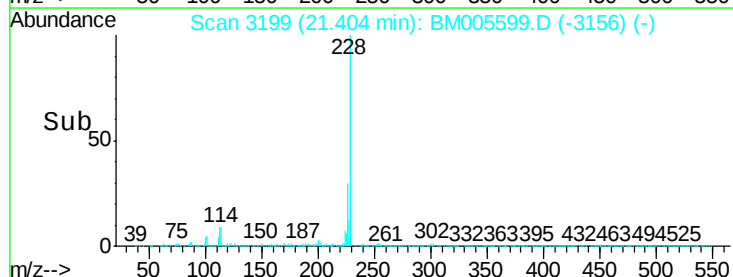
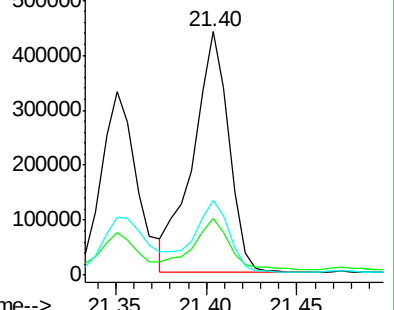
226 30.5 21.0 31.4

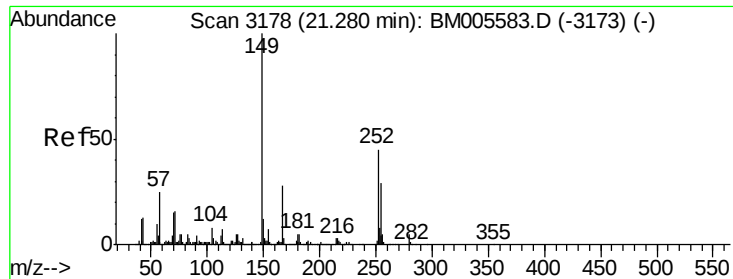


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

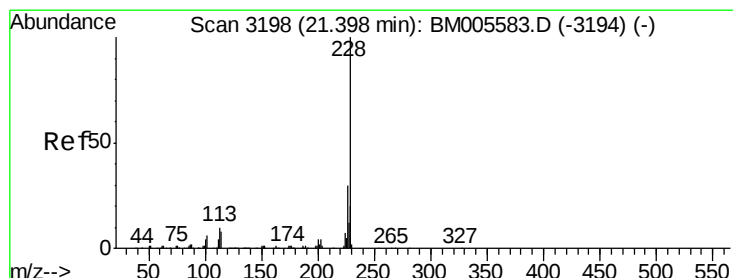
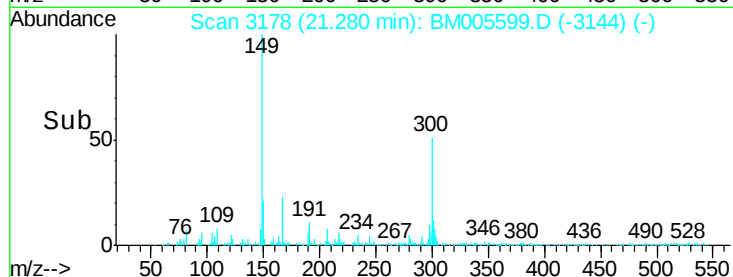
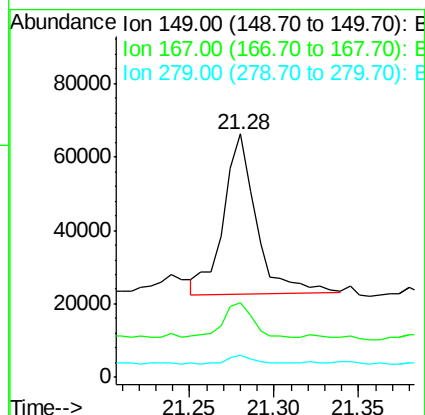
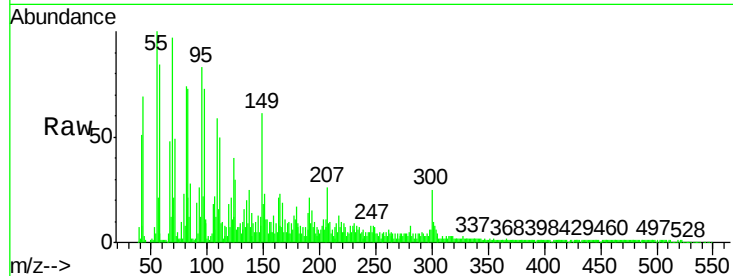




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.94 ng/ul
 RT: 21.28 min Scan# 3178
 Delta R.T. 0.00 min
 Lab File: BM005599.D
 Acq: 22 May 2016 22:40

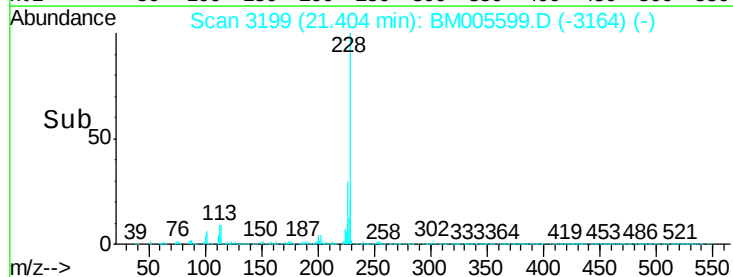
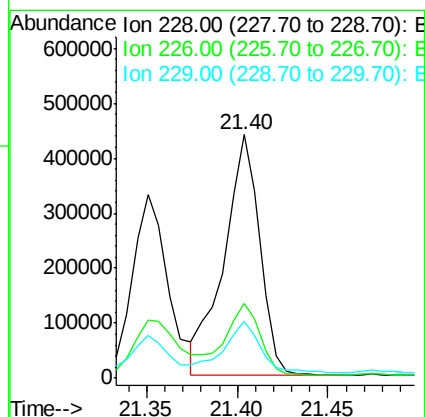
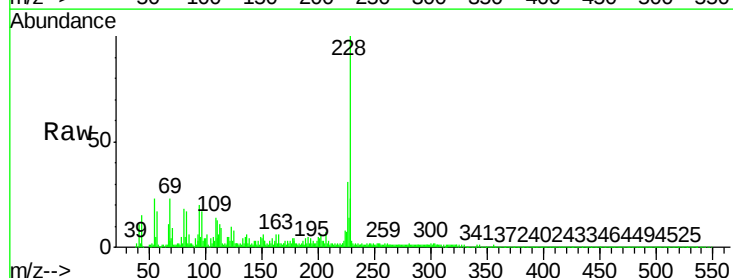
Instrument :
 BNA_M
 ClientSampleId :
 JHGL0

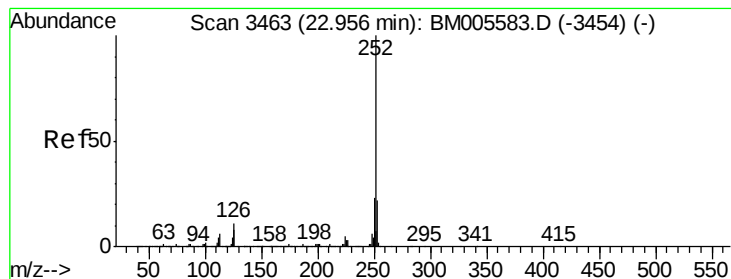
Tgt Ion:149 Resp: 58489
 Ion Ratio Lower Upper
 149 100
 167 30.7 22.0 33.0
 279 8.9 3.8 5.8#



#82
 Chrysene
 Concen: 12.20 ng/ul
 RT: 21.40 min Scan# 3199
 Delta R.T. 0.01 min
 Lab File: BM005599.D
 Acq: 22 May 2016 22:40

Tgt Ion:228 Resp: 602090
 Ion Ratio Lower Upper
 228 100
 226 30.5 23.7 35.5
 229 23.1 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 16.32 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampleId :

JHGL0

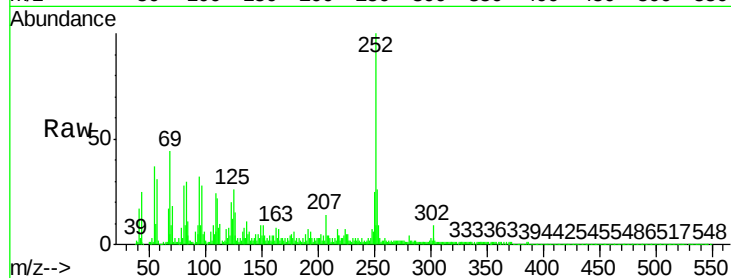
Tgt Ion:252 Resp: 740693

Ion Ratio Lower Upper

252 100

253 25.5 17.3 25.9

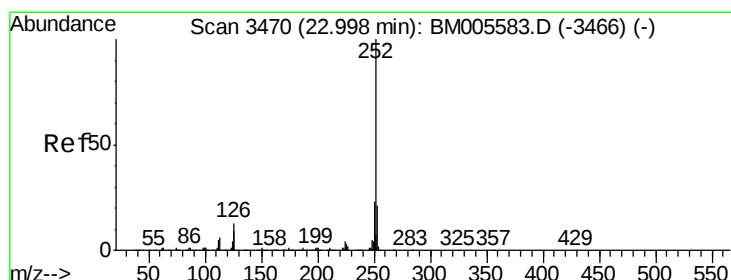
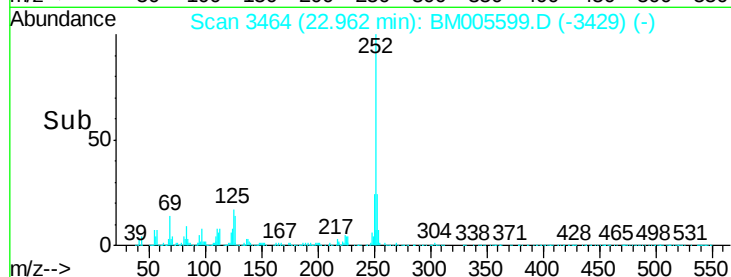
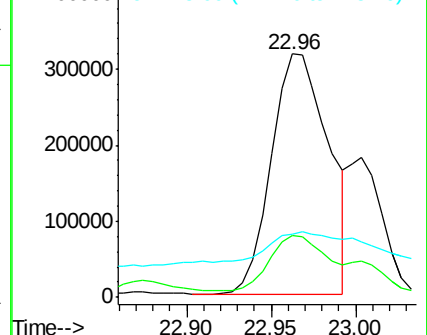
125 26.1 7.0 10.4#



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: 17.24 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. -0.04 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

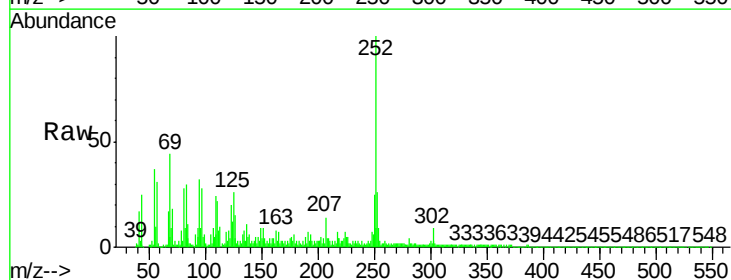
Tgt Ion:252 Resp: 740693

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

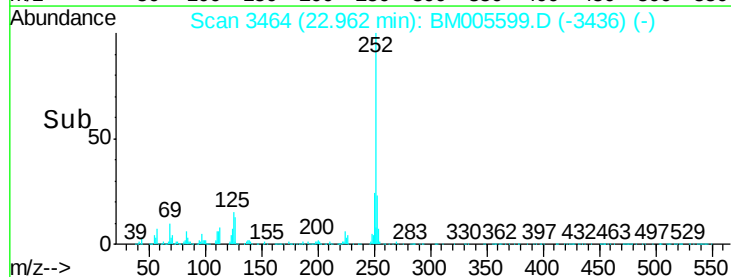
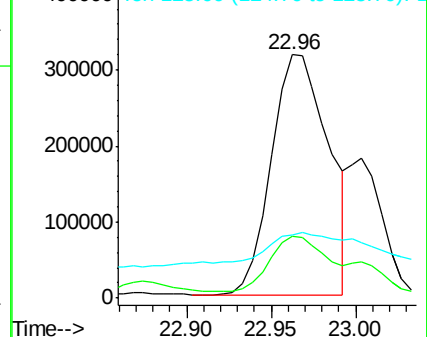
125 26.1 7.0 10.6#

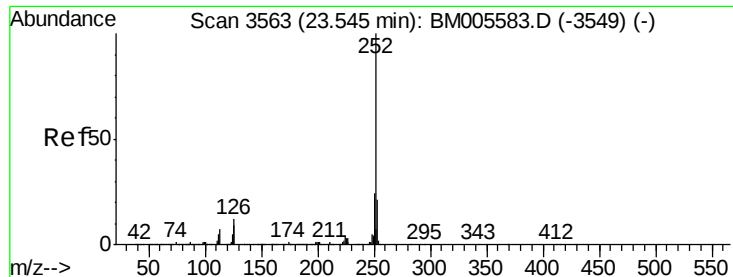


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 10.35 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

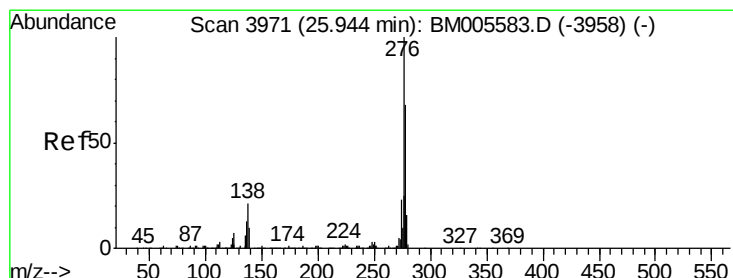
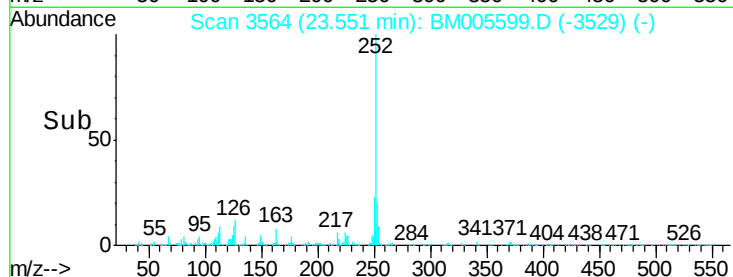
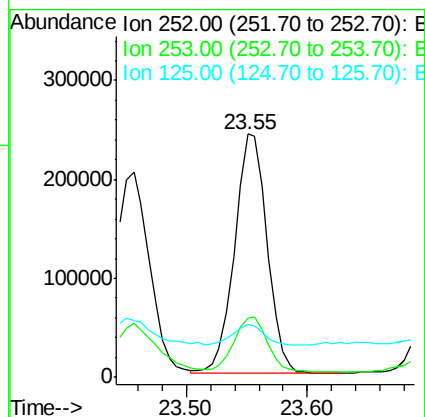
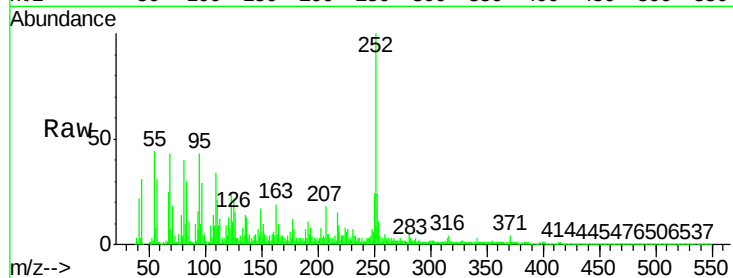
Instrument :

BNA_M

ClientSampleId :

JHGL0

Tgt Ion:	252	Resp:	455765
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	21.6	7.6	11.4#



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.51 ng/ul

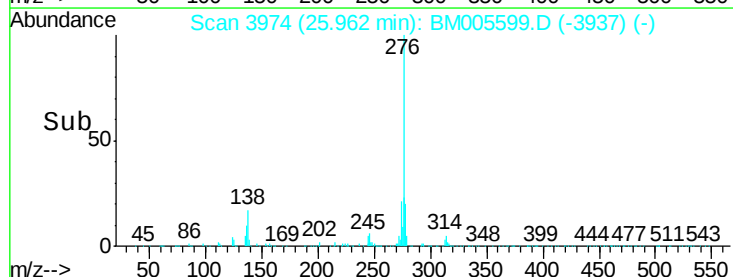
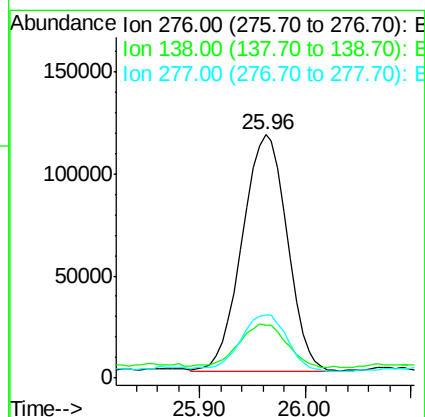
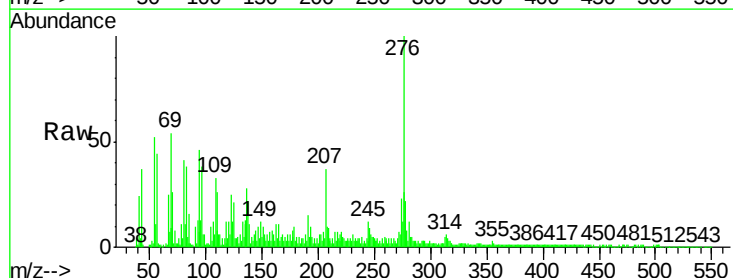
RT: 25.96 min Scan# 3974

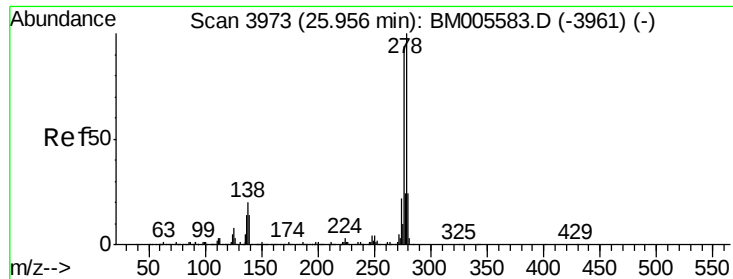
Delta R.T. 0.02 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Tgt Ion:	276	Resp:	340646
Ion	Ratio	Lower	Upper
276	100		
138	21.6	16.9	25.3
277	25.7	20.2	30.4





#90

Dibenzo(a,h)anthracene

Concen: 1.94 ng/ul

RT: 25.97 min Scan# 3975

Delta R.T. 0.01 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

Instrument :

BNA_M

ClientSampleId :

JHGL0

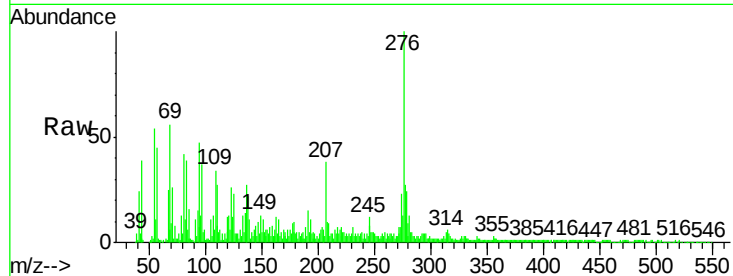
Tgt Ion:278 Resp: 84633

Ion Ratio Lower Upper

278 100

139 46.4 11.8 17.6#

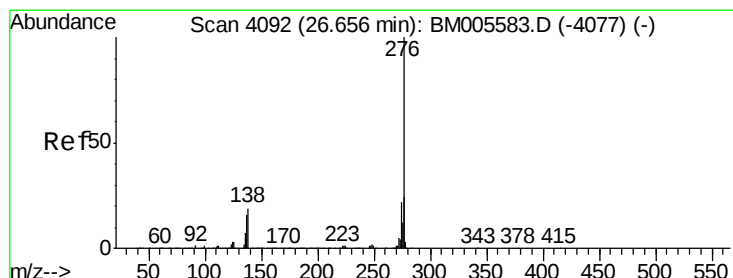
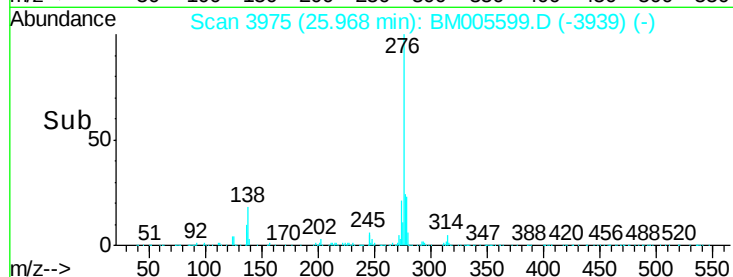
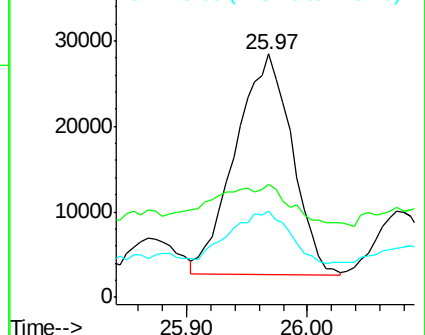
279 35.2 19.4 29.2#



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: 7.72 ng/ul

RT: 26.67 min Scan# 4095

Delta R.T. 0.02 min

Lab File: BM005599.D

Acq: 22 May 2016 22:40

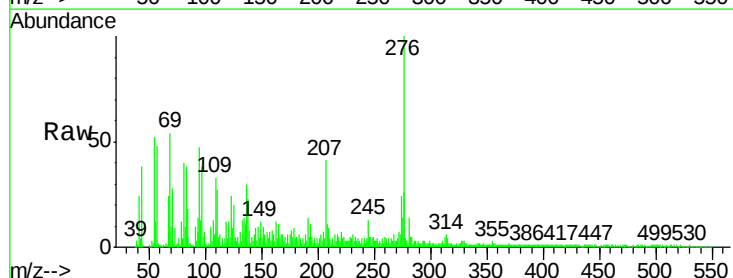
Tgt Ion:276 Resp: 339463

Ion Ratio Lower Upper

276 100

138 22.5 15.0 22.6

277 25.9 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

