

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005610.D
 Acq On : 23 May 2016 05:21
 Operator : UM/SJ
 Sample : H3087-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK5

Quant Time: May 23 08:22:24 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	7.83	152	96125	20.00	ng/ul	0.02
18) Naphthalene-d8	10.62	136	423647	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.47	164	242429	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.22	188	548845	20.00	ng/ul	0.03
75) Chrysene-d12	21.39	240	464455	20.00	ng/ul	0.03
83) Perylene-d12	23.69	264	428494	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	6616	3.01	ng/uL	0.00
5) Phenol-d5	7.02	99	162321	20.60	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.16	67	90670	19.86	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	132000	20.08	ng/ul	0.02
13) 4-Methylphenol-d8	8.55	113	132235	20.48	ng/ul	0.04
19) Nitrobenzene-d5	8.99	128	66988	20.68	ng/ul	0.02
22) 2-Nitrophenol-d4	9.71	143	70104	19.66	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.26	165	135699	20.21	ng/ul	0.03
29) 4-Chloroaniline-d4	10.76	131	128647	19.13	ng/ul	0.02
43) Dimethylphthalate-d6	13.87	166	419443	21.20	ng/ul	0.02
46) Acenaphthylene-d8	14.16	160	525663	21.25	ng/ul	0.02
51) 4-Nitrophenol-d4	14.70	143	59310	15.85	ng/ul	0.05
57) Fluorene-d10	15.46	176	373321	21.68	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.60	200	11134	3.53	ng/ul	0.04
70) Anthracene-d10	17.32	188	588690	22.52	ng/ul	0.03
76) Pyrene-d10	19.61	212	593138	28.20	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.54	264	447704	22.38	ng/ul	0.05

Target Compounds

						Qvalue
6) Phenol	7.05	94	8780	1.08	ng/ul	97
14) Acetophenone	8.65	105	39935	4.11	ng/ul	96
28) Naphthalene	10.67	128	25561	1.20	ng/ul	99
44) Dimethylphthalate	13.92	163	83636	4.28	ng/ul	100
47) Acenaphthylene	14.19	152	198300	7.89	ng/ul	98
49) Acenaphthene	14.53	153	40618	2.45	ng/ul	94
53) Dibenzofuran	14.87	168	29361	1.24	ng/ul	96
58) Fluorene	15.52	166	143059	7.55	ng/ul	98
69) Phenanthrene	17.26	178	1542756	50.30	ng/ul	99
71) Anthracene	17.35	178	425241	13.60	ng/ul	100
72) Carbazole	17.62	167	34051	1.25	ng/ul#	91
74) Fluoranthene	19.27	202	1782325	51.62	ng/ul	96
77) Pyrene	19.64	202	2026252	75.89	ng/ul#	94
80) Benzo(a)anthracene	21.38	228	636784	23.33	ng/ul#	88
81) Bis(2-ethylhexyl)phthalate	21.29	149	16949	1.07	ng/ul#	75
82) Chrysene	21.43	228	639909	24.64	ng/ul	95
85) Benzo(b)fluoranthene	23.00	252	550892	21.80	ng/ul#	91
86) Benzo(k)fluoranthene	23.00	252	550892	23.03	ng/ul#	92
88) Benzo(a)pyrene	23.59	252	533427	21.76	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.03	276	286726	9.85	ng/ul	96
90) Dibenzo(a,h)anthracene	26.03	278	70045	2.89	ng/ul#	70
91) Benzo(g,h,i)perylene	26.74	276	251876	10.29	ng/ul	95

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

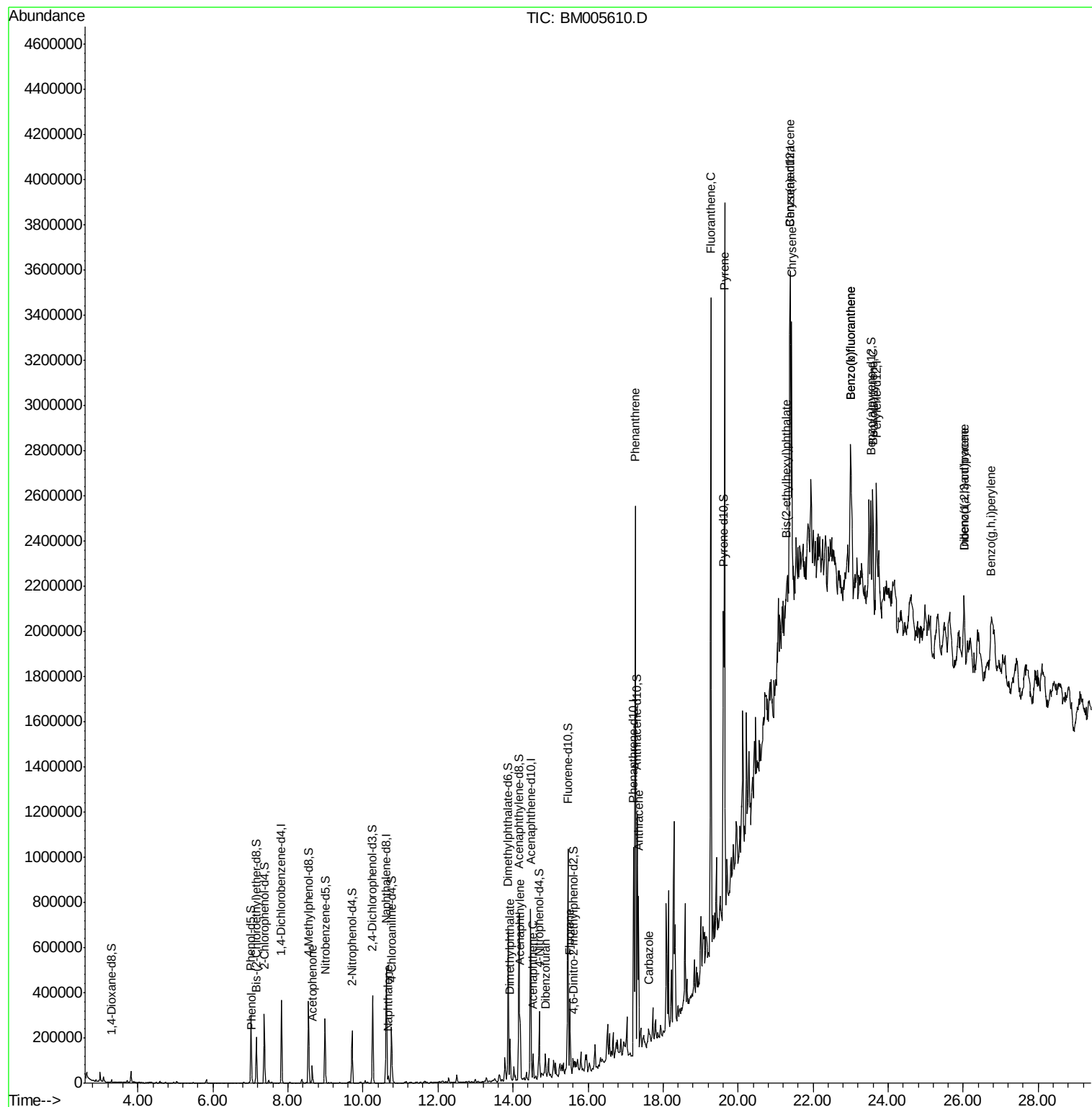
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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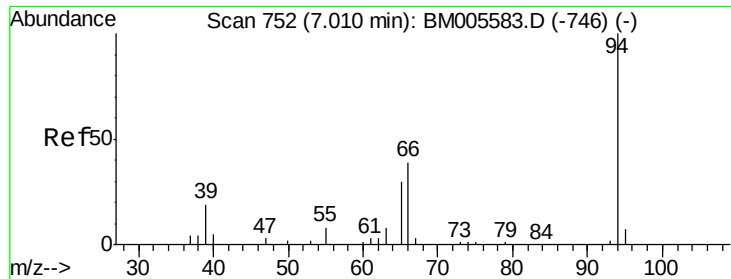
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.08 ng/ul

RT: 7.05 min Scan# 758

Delta R.T. 0.04 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Instrument :

BNA_M

ClientSampleId :

JHGK5

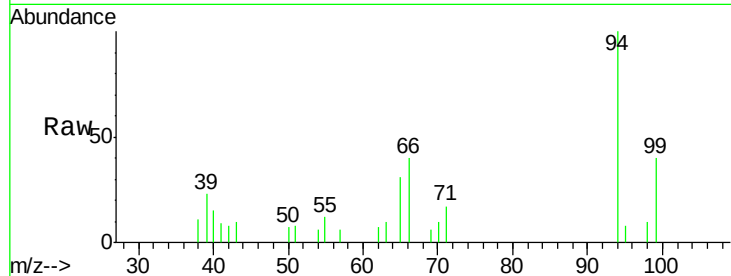
Tgt Ion: 94 Resp: 8780

Ion Ratio Lower Upper

94 100

65 31.3 24.2 36.2

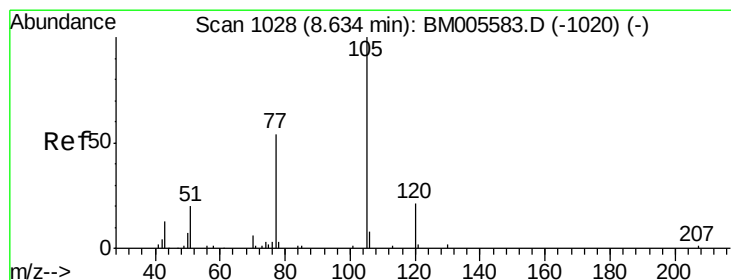
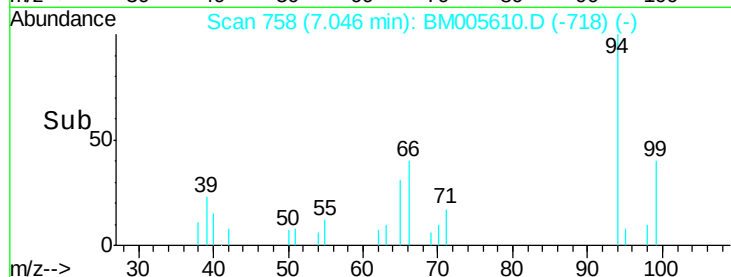
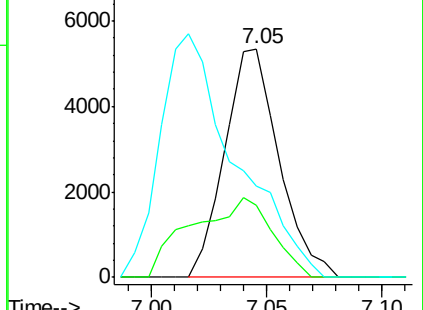
66 39.7 33.9 50.9



Abundance Ion 94.00 (93.70 to 94.70): BM005583.D (-746) (-)

Ion 65.00 (64.70 to 65.70): BM005583.D (-746) (-)

Ion 66.00 (65.70 to 66.70): BM005583.D (-746) (-)



#14

Acetophenone

Concen: 4.11 ng/ul

RT: 8.65 min Scan# 1031

Delta R.T. 0.02 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

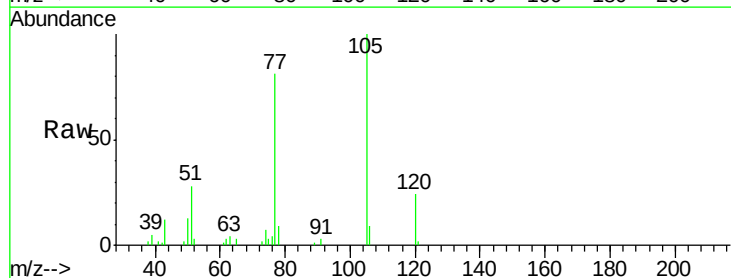
Tgt Ion: 105 Resp: 39935

Ion Ratio Lower Upper

105 100

77 80.8 60.8 91.2

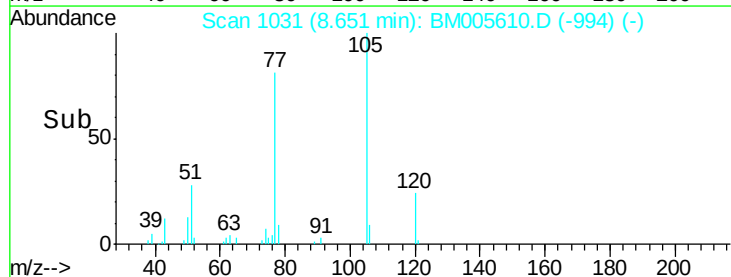
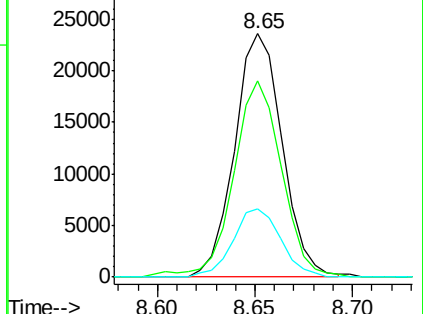
51 28.1 22.2 33.2

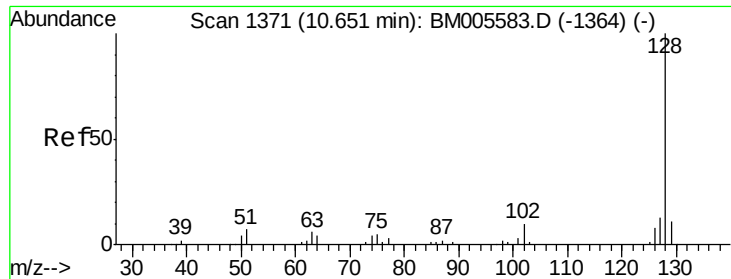


Abundance Ion 105.00 (104.70 to 105.70): BM005583.D (-1020) (-)

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

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

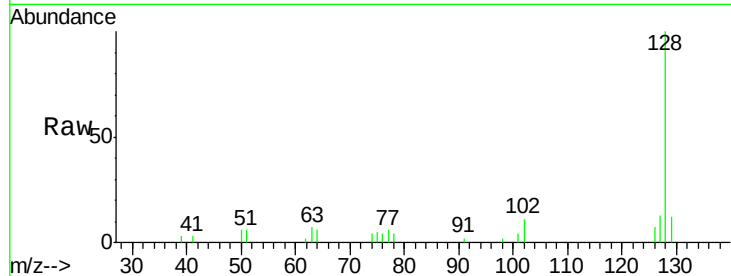




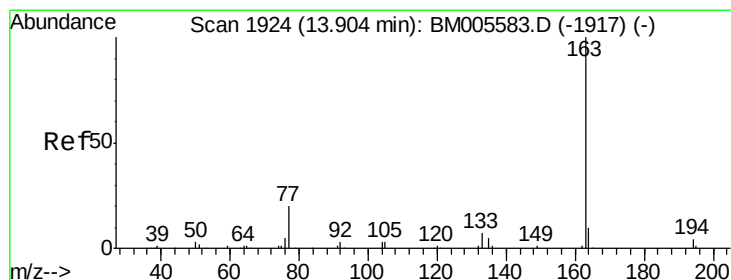
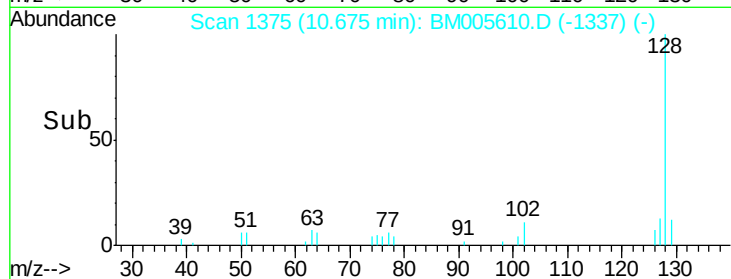
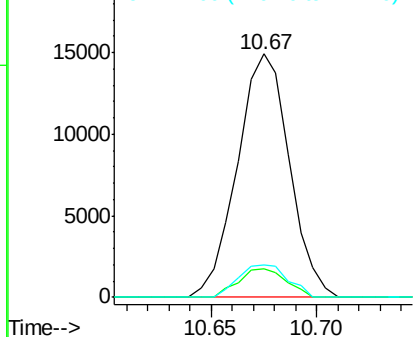
#28
Naphthalene
Concen: 1.20 ng/ul
RT: 10.67 min Scan# 1375
Delta R.T. 0.02 min
Lab File: BM005610.D
Acq: 23 May 2016 05:21

Instrument :
BNA_M
ClientSampleId :
JHGK5

Tgt Ion:128 Resp: 25561
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 13.2 10.6 15.8

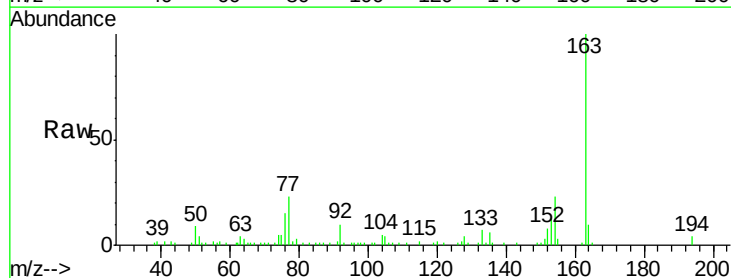


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

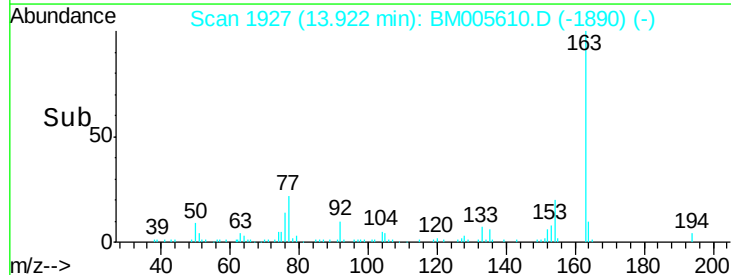
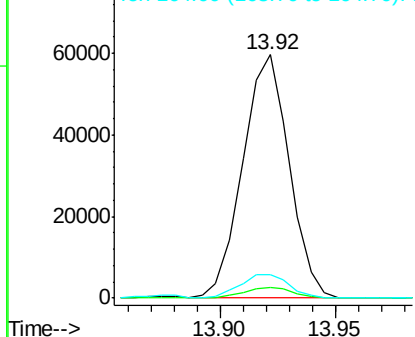


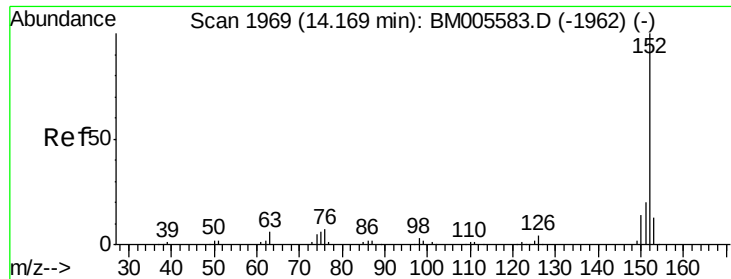
#44
Dimethylphthalate
Concen: 4.28 ng/ul
RT: 13.92 min Scan# 1927
Delta R.T. 0.02 min
Lab File: BM005610.D
Acq: 23 May 2016 05:21

Tgt Ion:163 Resp: 83636
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.8 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: 7.89 ng/ul

RT: 14.19 min Scan# 1973

Delta R.T. 0.02 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Instrument :

BNA_M

ClientSampleId :

JHGK5

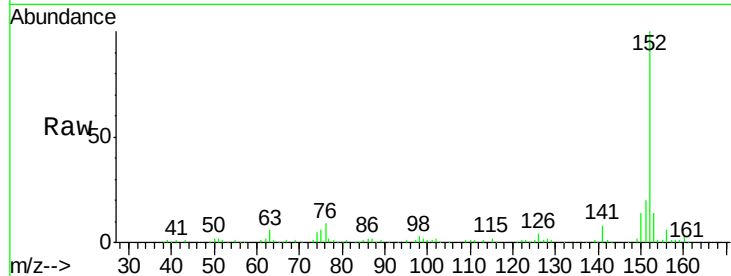
Tgt Ion:152 Resp: 198300

Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

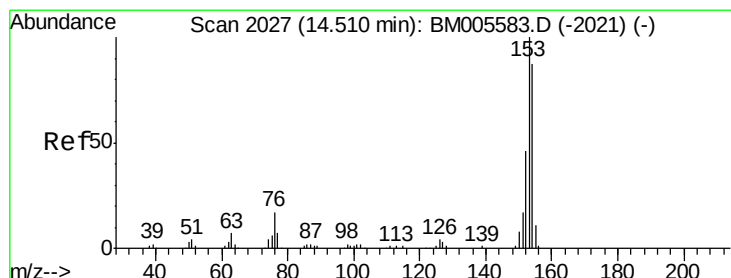
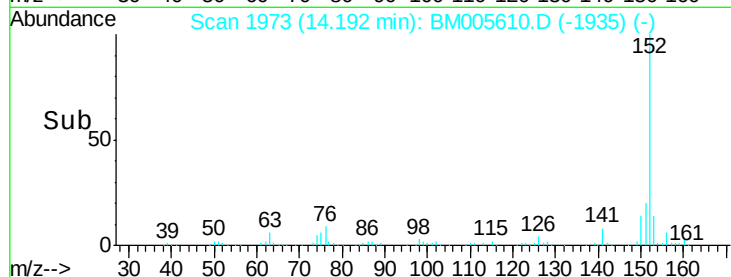
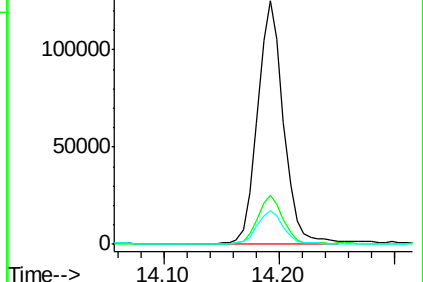
153 13.9 10.5 15.7



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



#49

Acenaphthene

Concen: 2.45 ng/ul

RT: 14.53 min Scan# 2031

Delta R.T. 0.02 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

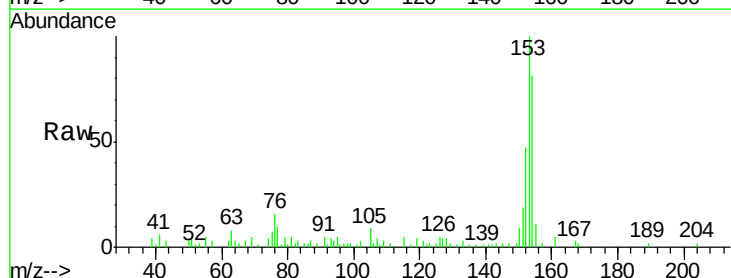
Tgt Ion:153 Resp: 40618

Ion Ratio Lower Upper

153 100

152 46.8 37.8 56.6

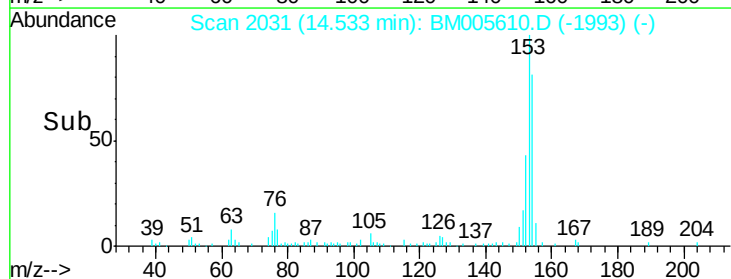
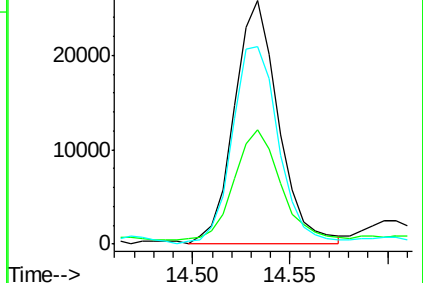
154 81.3 71.1 106.7

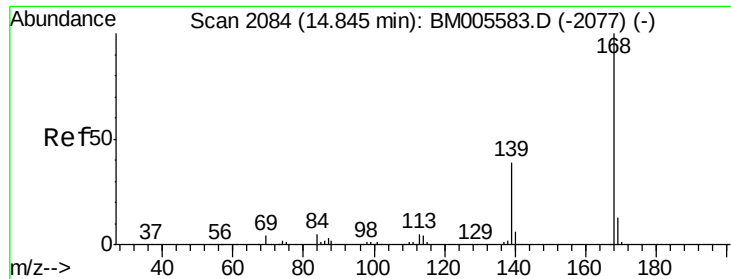


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.24 ng/ul

RT: 14.87 min Scan# 2088

Delta R.T. 0.02 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Instrument :

BNA_M

ClientSampleId :

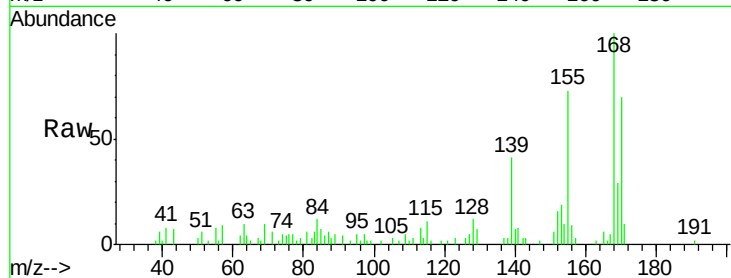
JHGK5

Tgt Ion:168 Resp: 29361

Ion Ratio Lower Upper

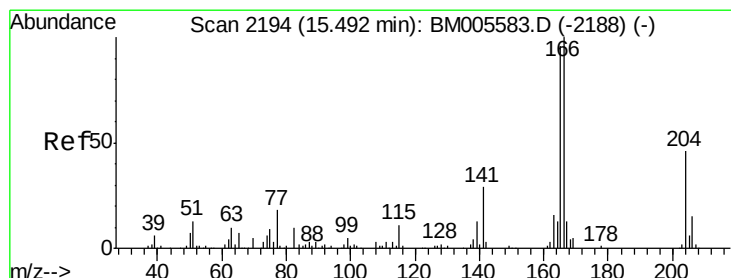
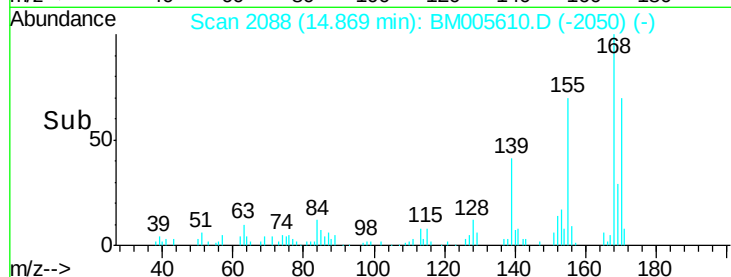
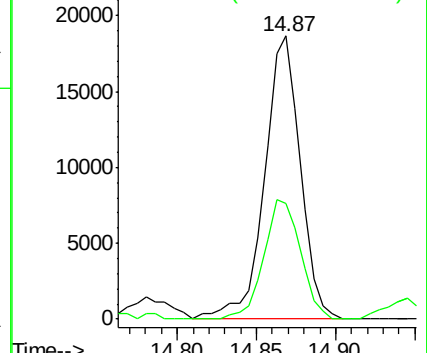
168 100

139 40.8 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 7.55 ng/ul

RT: 15.52 min Scan# 2198

Delta R.T. 0.02 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

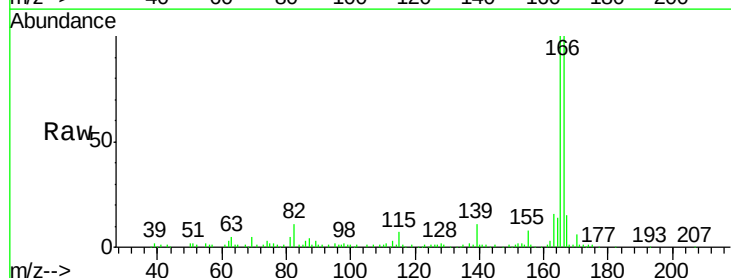
Tgt Ion:166 Resp: 143059

Ion Ratio Lower Upper

166 100

165 99.6 78.0 117.0

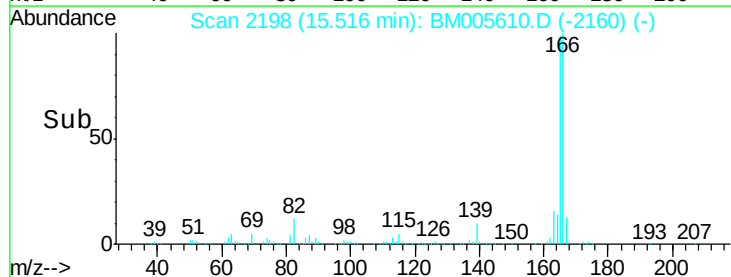
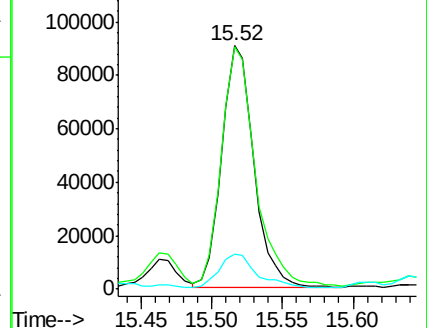
167 14.6 10.5 15.7

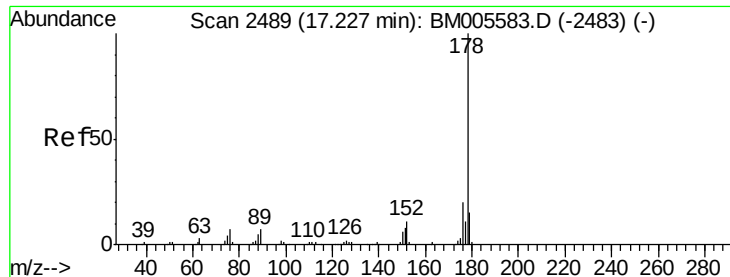


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 50.30 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. 0.04 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

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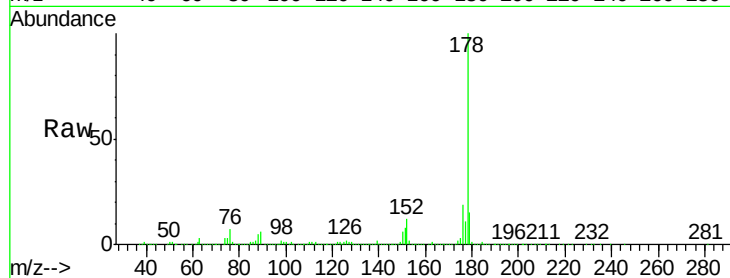
Tgt Ion:178 Resp: 1542756

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

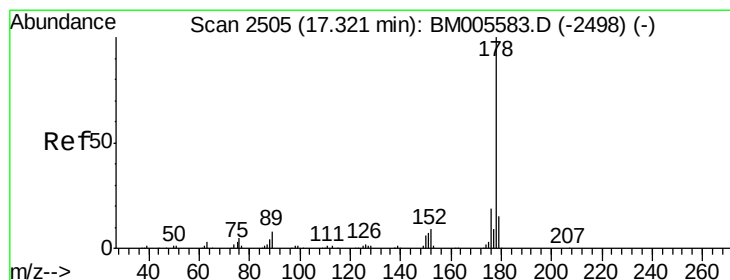
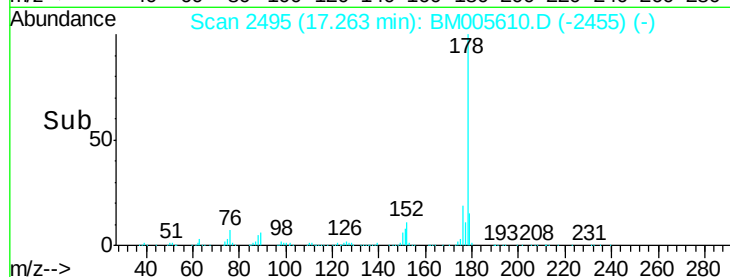
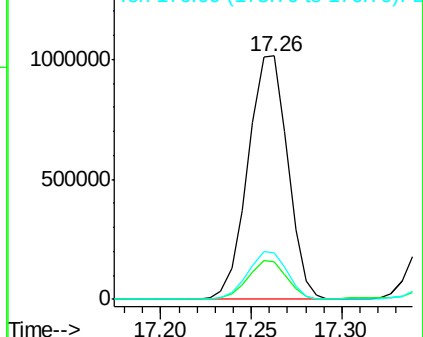
176 19.3 15.8 23.6



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: 13.60 ng/ul

RT: 17.35 min Scan# 2510

Delta R.T. 0.03 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

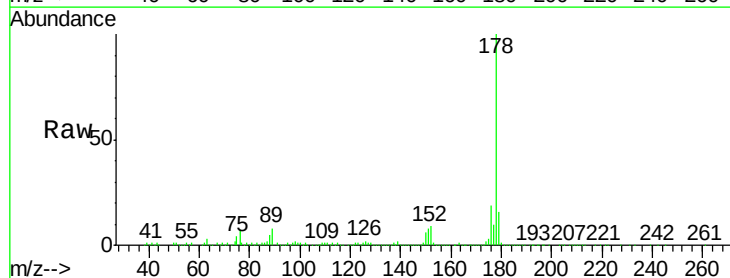
Tgt Ion:178 Resp: 425241

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

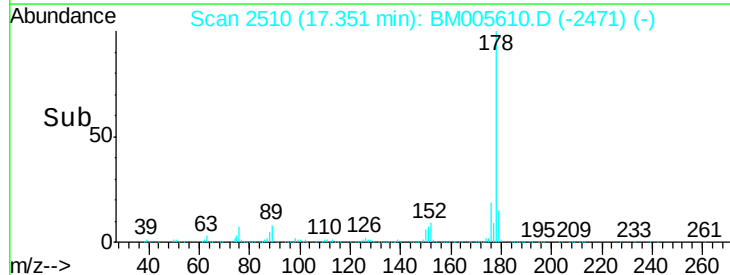
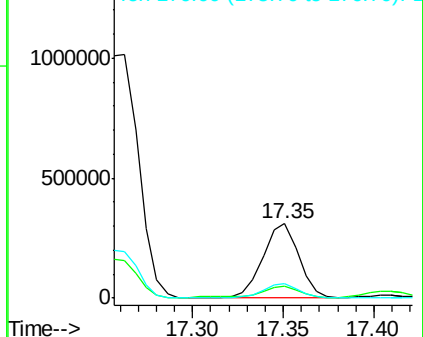
176 18.8 15.0 22.4

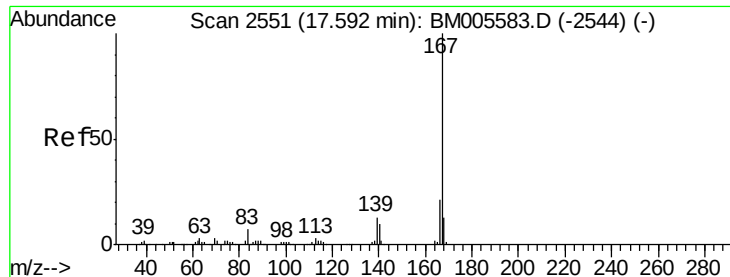


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.25 ng/ul

RT: 17.62 min Scan# 2555

Delta R.T. 0.02 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Instrument :

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ClientSampleId :

JHGK5

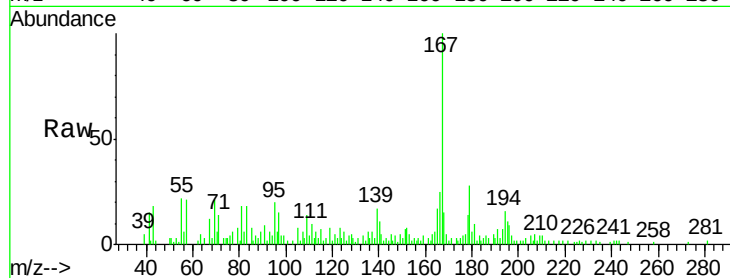
Tgt Ion:167 Resp: 34051

Ion Ratio Lower Upper

167 100

166 24.8 16.9 25.3

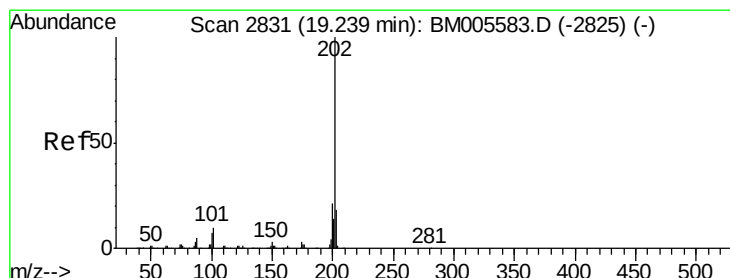
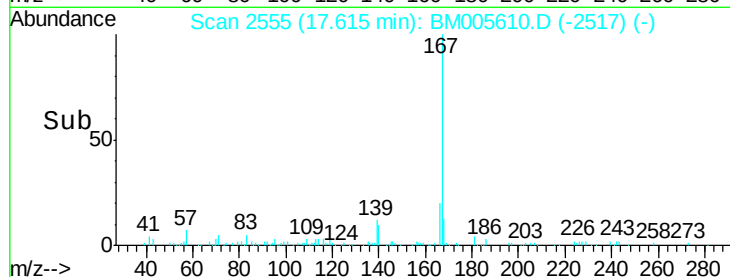
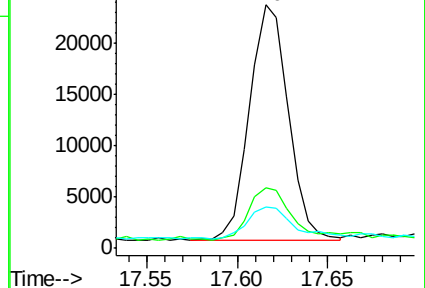
139 17.2 10.6 16.0#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 51.62 ng/ul

RT: 19.27 min Scan# 2837

Delta R.T. 0.04 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

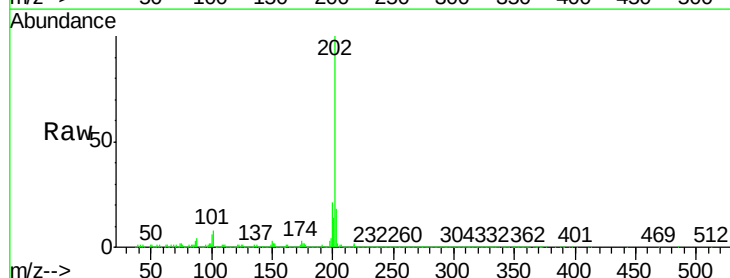
Tgt Ion:202 Resp: 1782325

Ion Ratio Lower Upper

202 100

101 8.3 7.9 11.9

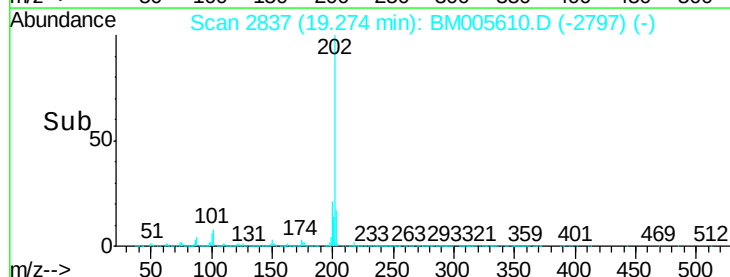
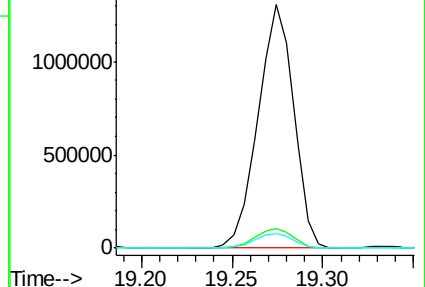
100 6.0 5.6 8.4

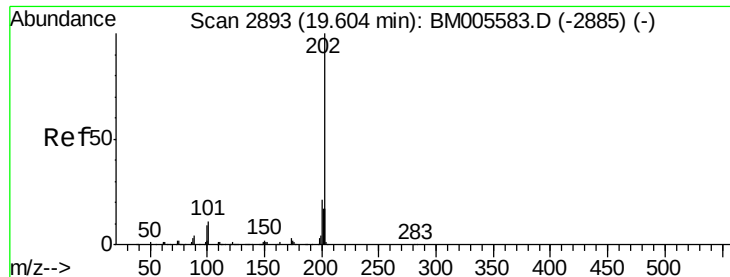


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 75.89 ng/ul

RT: 19.64 min Scan# 2899

Delta R.T. 0.04 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Instrument :

BNA_M

ClientSampleId :

JHGK5

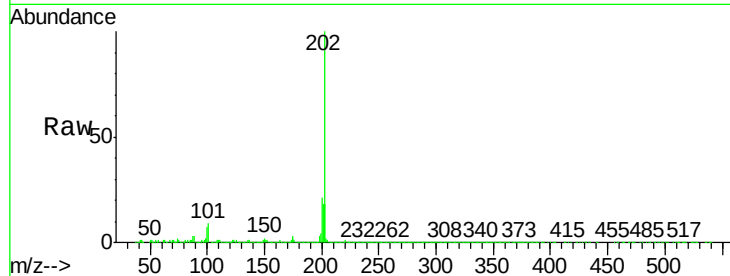
Tgt Ion:202 Resp: 2026252

Ion Ratio Lower Upper

202 100

101 9.4 9.6 14.4#

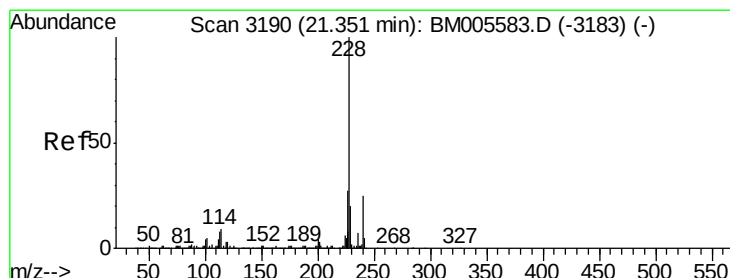
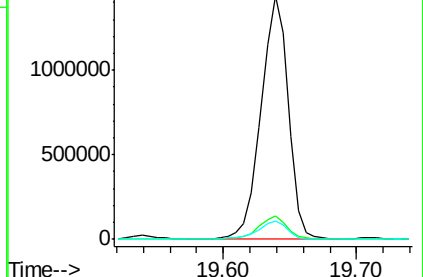
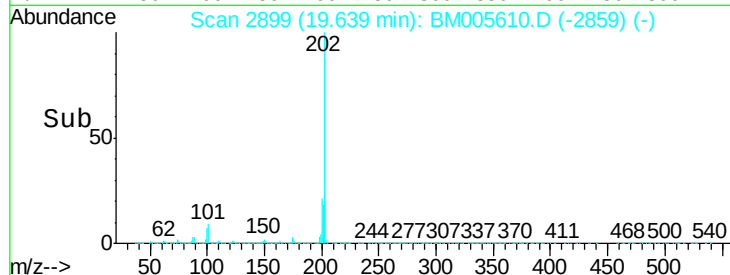
100 7.5 7.8 11.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 23.33 ng/ul

RT: 21.38 min Scan# 3195

Delta R.T. 0.03 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

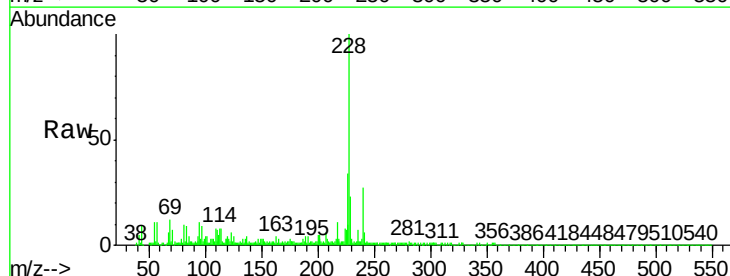
Tgt Ion:228 Resp: 636784

Ion Ratio Lower Upper

228 100

229 22.5 15.4 23.2

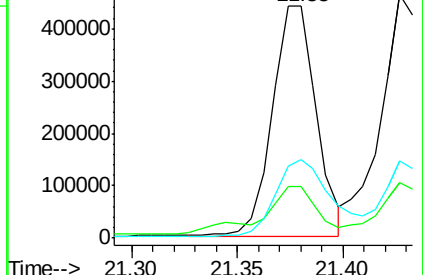
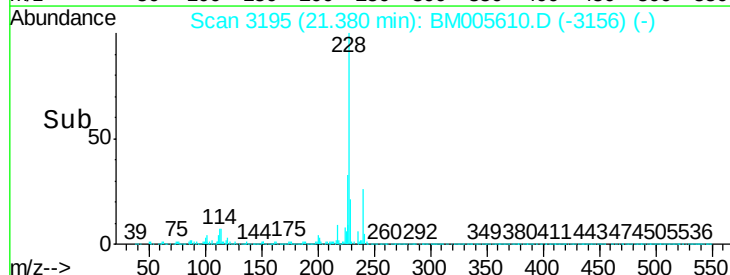
226 34.1 21.0 31.4#

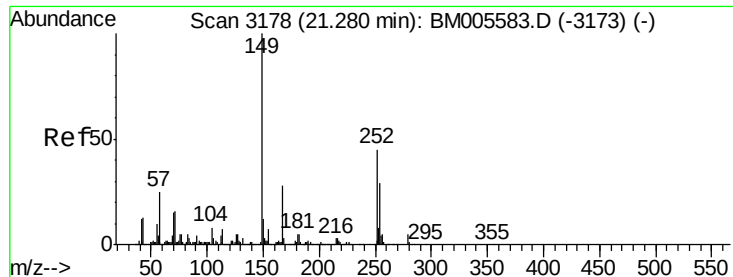


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.07 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Instrument :

BNA_M

ClientSampleId :

JHGK5

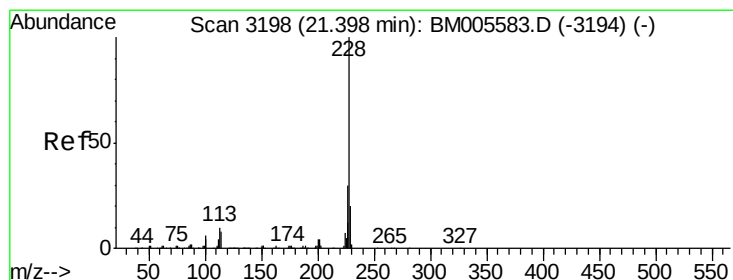
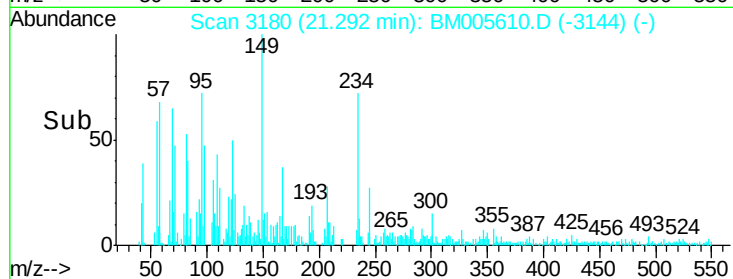
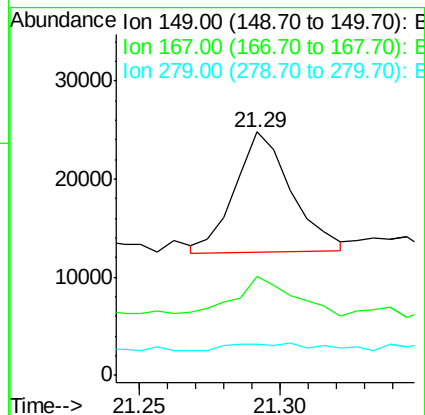
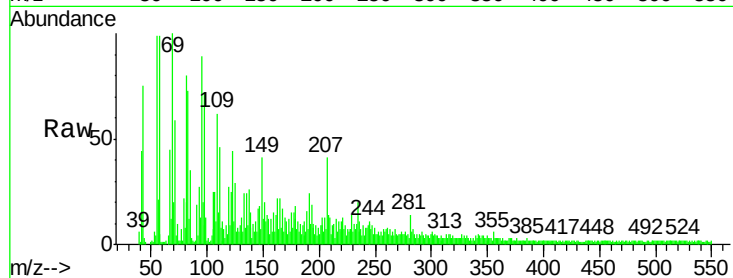
Tgt Ion:149 Resp: 16949

Ion Ratio Lower Upper

149 100

167 40.6 22.0 33.0#

279 12.5 3.8 5.8#



#82

Chrysene

Concen: 24.64 ng/ul

RT: 21.43 min Scan# 3203

Delta R.T. 0.03 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

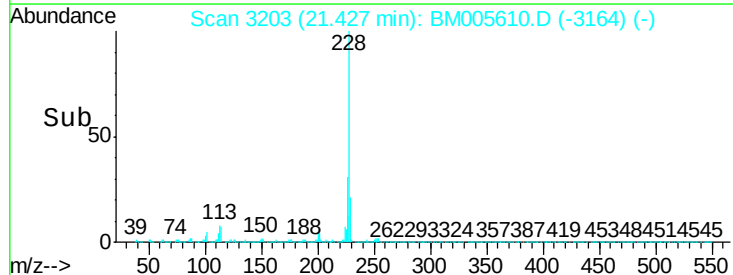
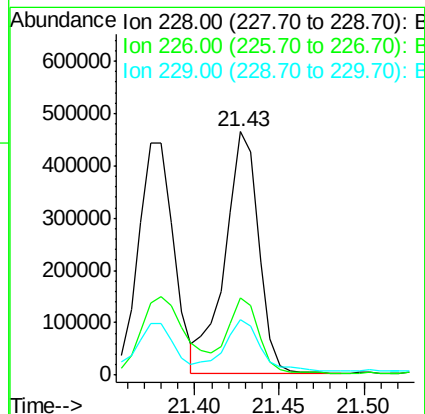
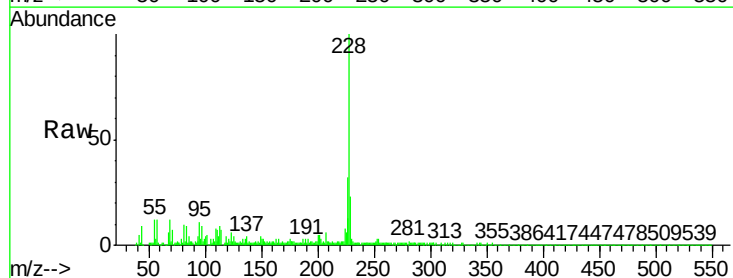
Tgt Ion:228 Resp: 639909

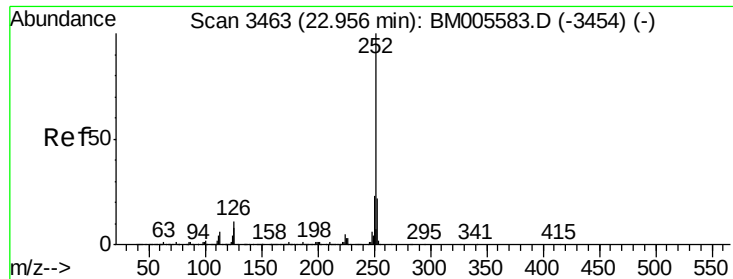
Ion Ratio Lower Upper

228 100

226 31.7 23.7 35.5

229 22.5 15.5 23.3

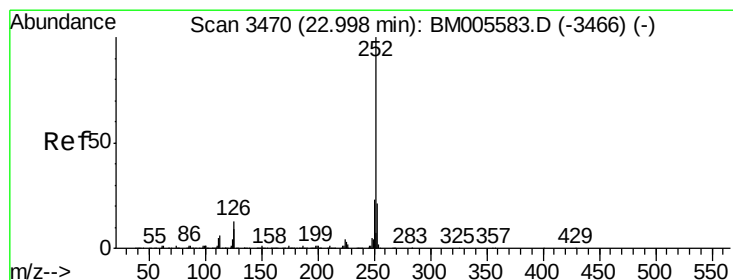
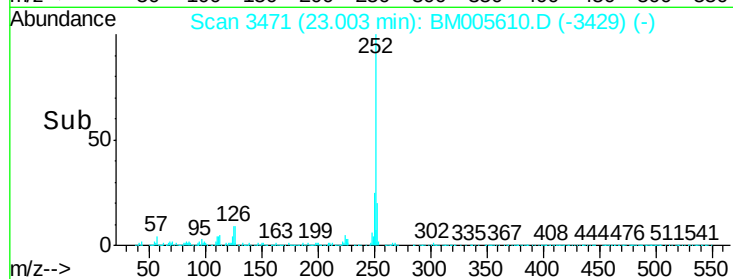
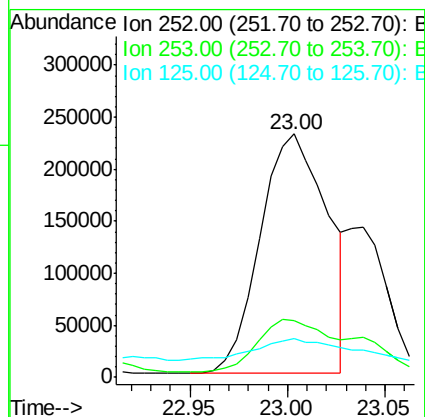
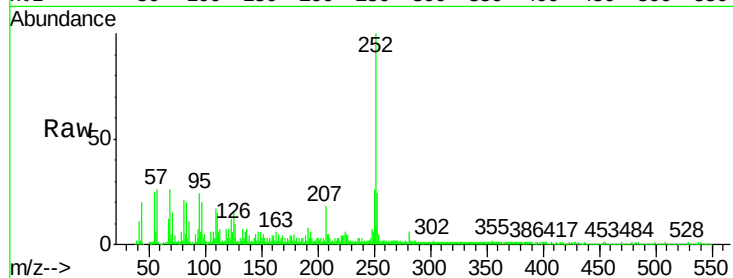




#85
Benzo(b)fluoranthene
Concen: 21.80 ng/ul
RT: 23.00 min Scan# 3471
Delta R.T. 0.05 min
Lab File: BM005610.D
Acq: 23 May 2016 05:21

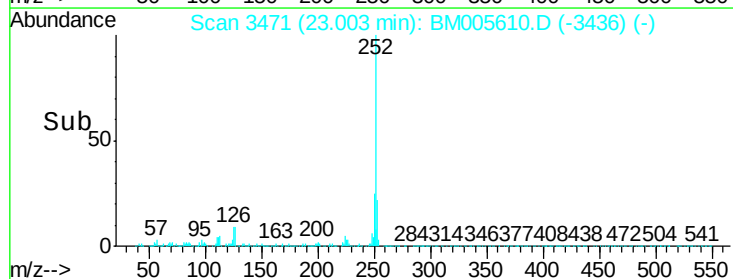
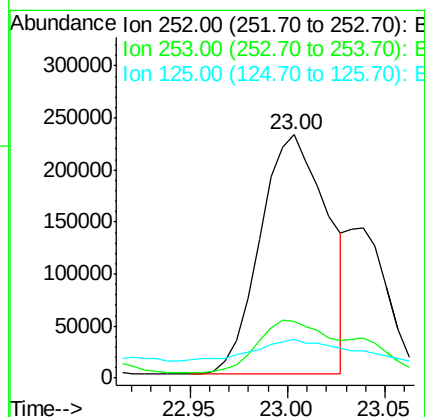
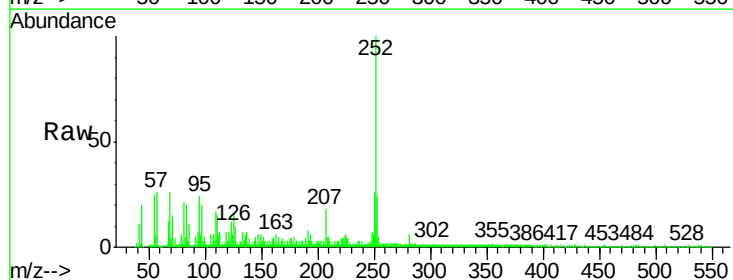
Instrument :
BNA_M
ClientSampleId :
JHGK5

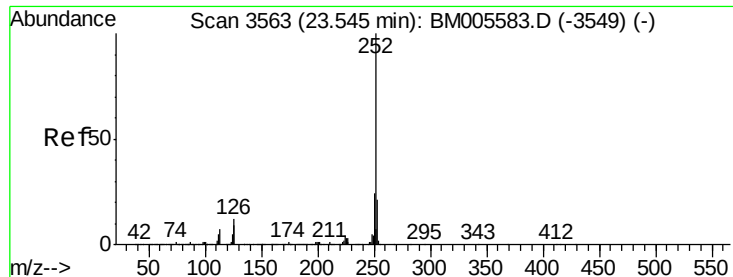
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	15.9	7.0	10.4



#86
Benzo(k)fluoranthene
Concen: 23.03 ng/ul
RT: 23.00 min Scan# 3471
Delta R.T. 0.01 min
Lab File: BM005610.D
Acq: 23 May 2016 05:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	15.9	7.0	10.6





#88

Benzo(a)pyrene

Concen: 21.76 ng/ul

RT: 23.59 min Scan# 3571

Delta R.T. 0.05 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Instrument :

BNA_M

ClientSampleId :

JHGK5

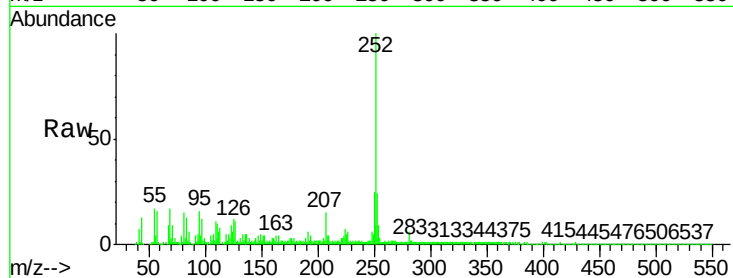
Tgt Ion:252 Resp: 533427

Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

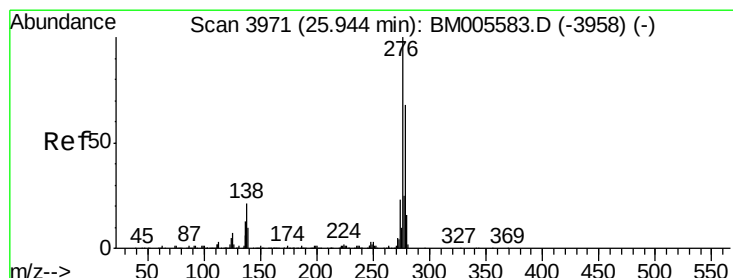
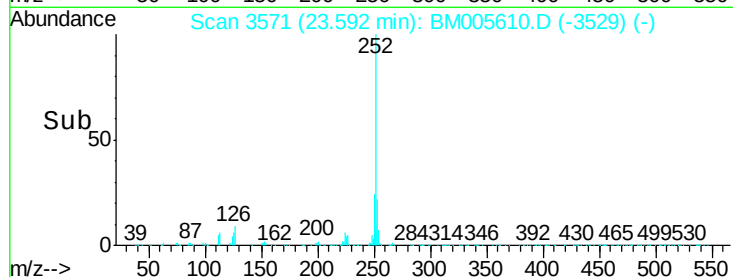
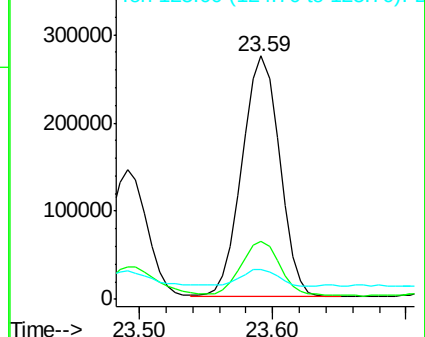
125 12.4 7.6 11.4#



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: 9.85 ng/ul

RT: 26.03 min Scan# 3985

Delta R.T. 0.08 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

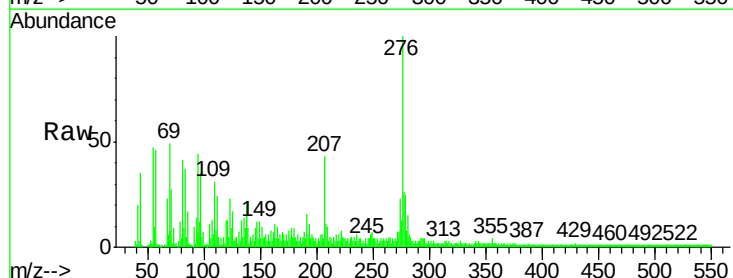
Tgt Ion:276 Resp: 286726

Ion Ratio Lower Upper

276 100

138 17.7 16.9 25.3

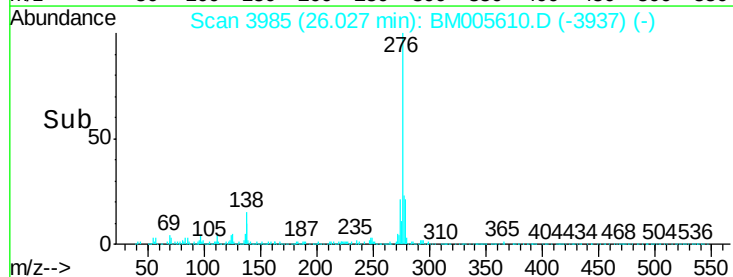
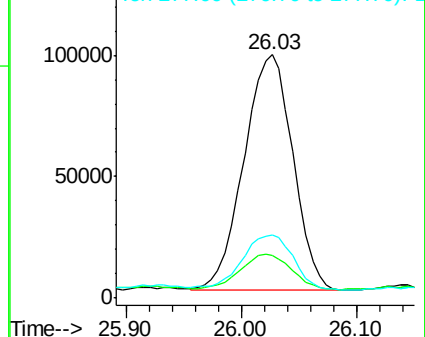
277 25.8 20.2 30.4

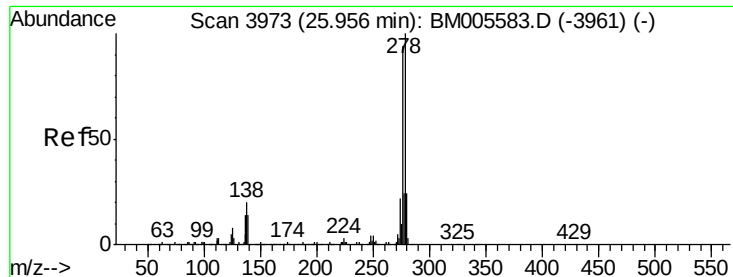


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.89 ng/ul

RT: 26.03 min Scan# 3985

Delta R.T. 0.07 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Instrument :

BNA_M

ClientSampleId :

JHGK5

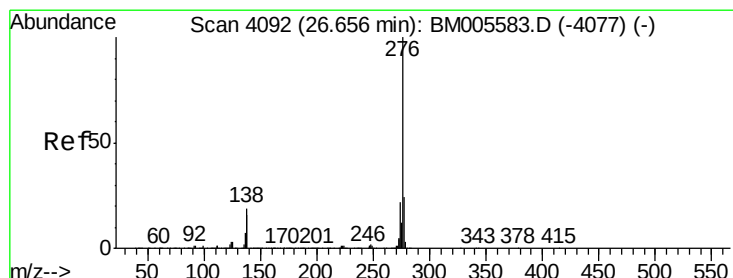
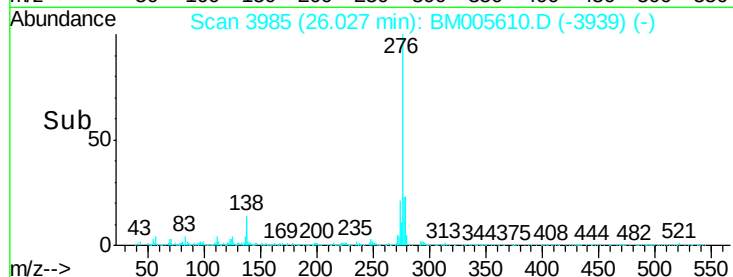
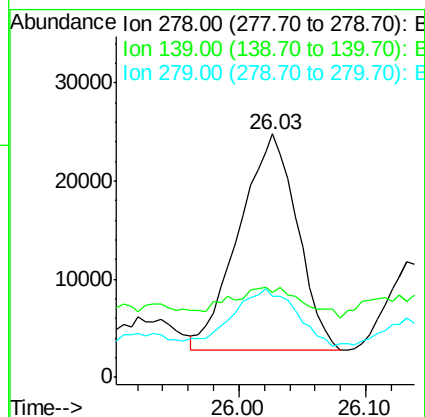
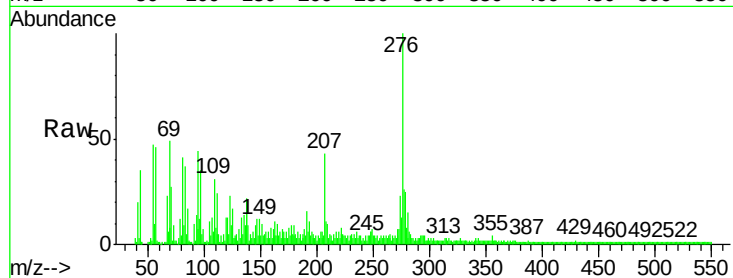
Tgt Ion:278 Resp: 70045

Ion Ratio Lower Upper

278 100

139 34.9 11.8 17.6#

279 33.5 19.4 29.2#



#91

Benzo(g,h,i)perylene

Concen: 10.29 ng/ul

RT: 26.74 min Scan# 4107

Delta R.T. 0.09 min

Lab File: BM005610.D

Acq: 23 May 2016 05:21

Tgt Ion:276 Resp: 251876

Ion Ratio Lower Upper

276 100

138 19.4 15.0 22.6

277 27.1 18.6 28.0

