

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005626.D
 Acq On : 24 May 2016 01:52
 Operator : UM/SJ
 Sample : H3124-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGG0RE

Quant Time: May 24 06:58:31 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	197408	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	874329	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	426918	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	781944	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	735537	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	740445	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	17745	3.94	ng/uL	0.00
5) Phenol-d5	6.97	99	406101	25.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	234403	25.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	336388	24.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	327130	24.67	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	166327	24.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	184089	25.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	318395	22.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	296513	21.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	845058	24.25	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1091015	25.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	121670	18.46	ng/ul	0.00
57) Fluorene-d10	15.43	176	698061	23.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	70832	15.75	ng/ul	0.00
70) Anthracene-d10	17.28	188	971977	26.09	ng/ul	0.00
76) Pyrene-d10	19.57	212	959808	28.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.49	264	886173	25.63	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.64	128	199885	4.55 ng/ul	100
34) 2-Methylnaphthalene	12.25	142	130921	4.07 ng/ul	98
40) 1,1'-Biphenyl	13.27	154	49874	1.39 ng/ul	94
44) Dimethylphthalate	13.89	163	177833	5.16 ng/ul	99
47) Acenaphthylene	14.16	152	164747	3.72 ng/ul	94
49) Acenaphthene	14.50	153	78359	2.68 ng/ul	97
53) Dibenzofuran	14.83	168	79895	1.92 ng/ul	93
58) Fluorene	15.49	166	210582	6.31 ng/ul	97
64) N-Nitrosodiphenylamine	15.70	169	51085	2.15 ng/ul#	54
69) Phenanthrene	17.23	178	1817718	41.59 ng/ul	99
71) Anthracene	17.32	178	465143	10.44 ng/ul	98
72) Carbazole	17.59	167	83828	2.17 ng/ul#	77
74) Fluoranthene	19.24	202	1937884	39.40 ng/ul	97
77) Pyrene	19.60	202	2166723	51.24 ng/ul	99
80) Benzo(a)anthracene	21.34	228	871151	20.15 ng/ul	93
82) Chrysene	21.39	228	906895	22.05 ng/ul	96
85) Benzo(b)fluoranthene	22.95	252	923332	21.14 ng/ul#	90
86) Benzo(k)fluoranthene	22.95	252	923332	22.33 ng/ul#	91
88) Benzo(a)pyrene	23.54	252	846364	19.98 ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.94	276	530172	10.54 ng/ul	98
90) Dibenzo(a,h)anthracene	25.94	278	120921	2.89 ng/ul#	83
91) Benzo(g,h,i)perylene	26.65	276	515359	12.18 ng/ul	96

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Response via : Initial Calibration

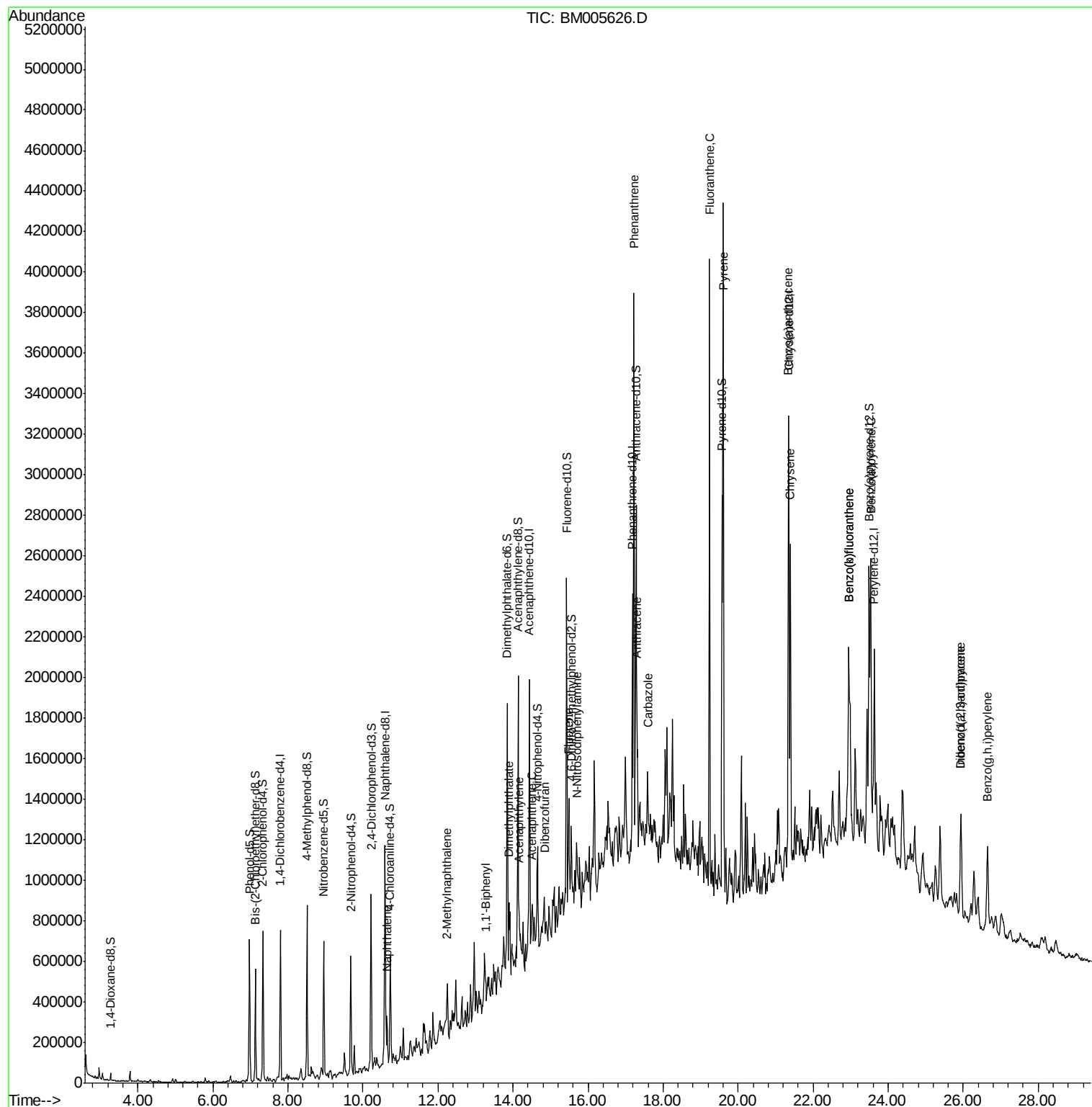
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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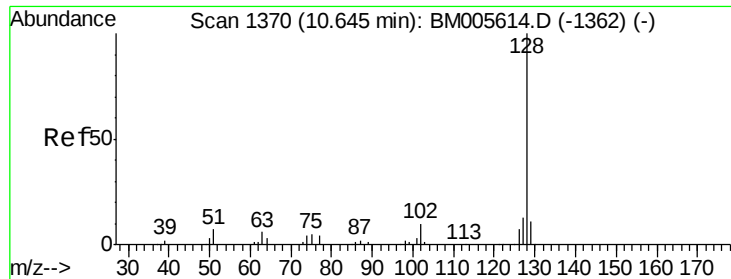
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 4.55 ng/ul

RT: 10.64 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

Instrument :

BNA_M

ClientSampleId :

JHGG0RE

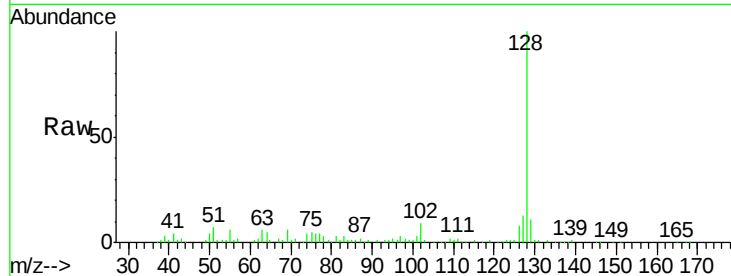
Tgt Ion:128 Resp: 199885

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

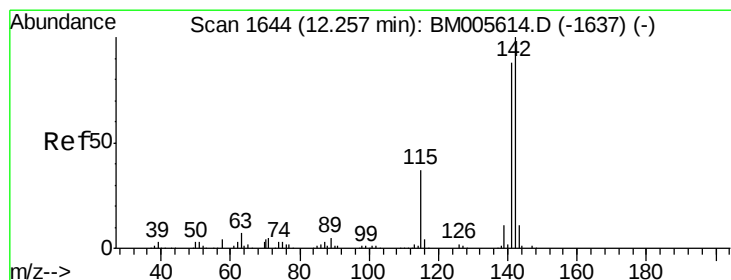
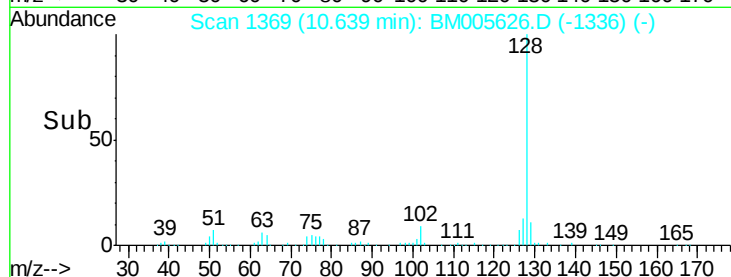
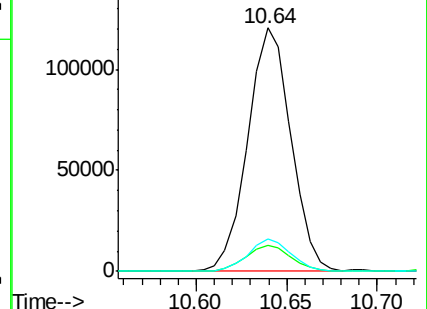
127 13.4 10.6 15.8



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: 4.07 ng/ul

RT: 12.25 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BM005626.D

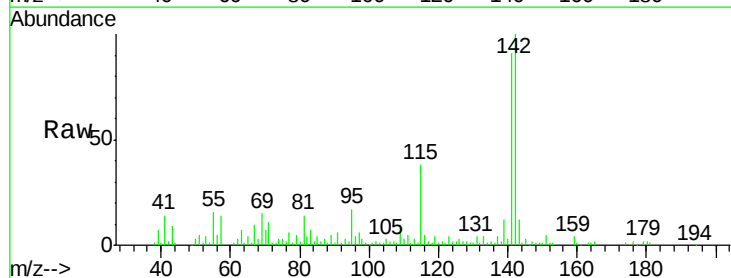
Acq: 24 May 2016 01:52

Tgt Ion:142 Resp: 130921

Ion Ratio Lower Upper

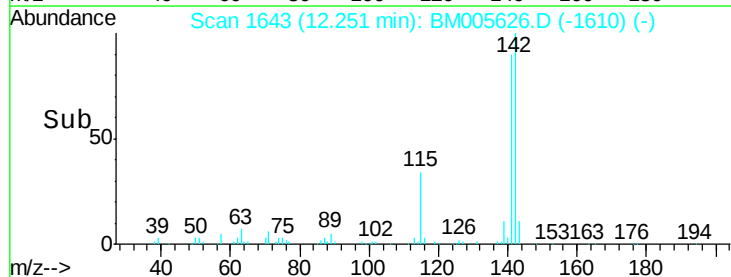
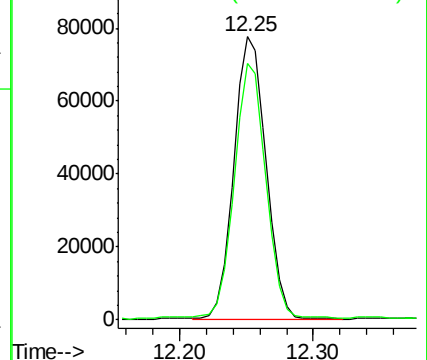
142 100

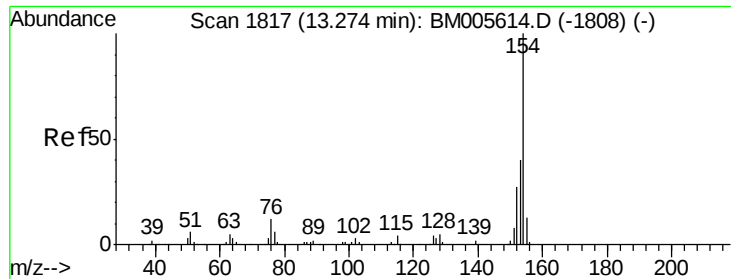
141 90.5 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

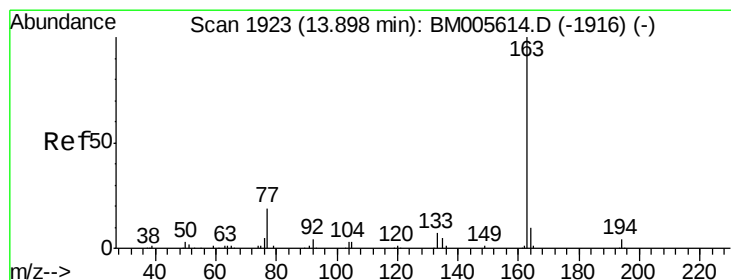
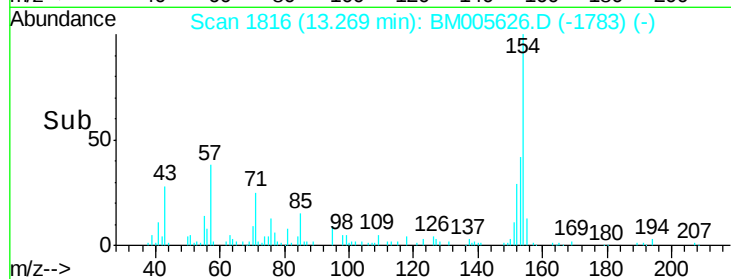
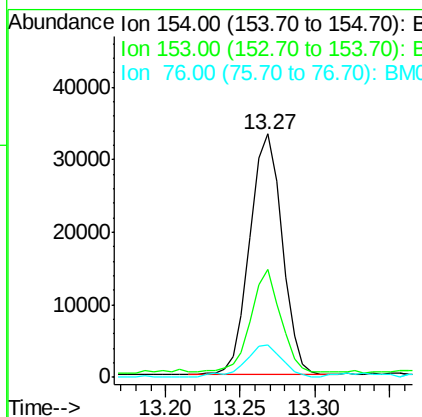
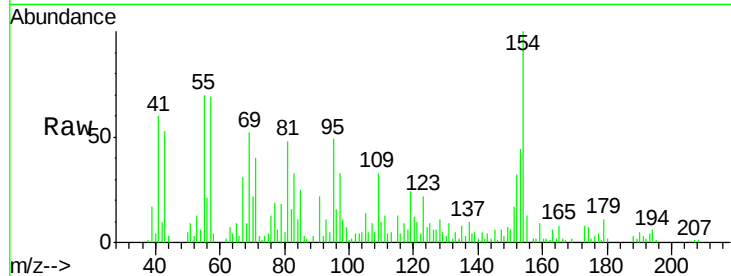




#40
 1,1'-Biphenyl
 Concen: 1.39 ng/ul
 RT: 13.27 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BM005626.D
 Acq: 24 May 2016 01:52

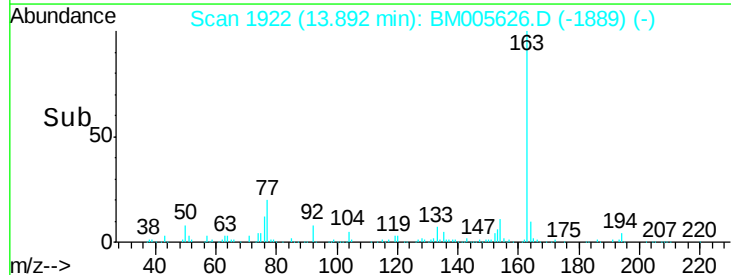
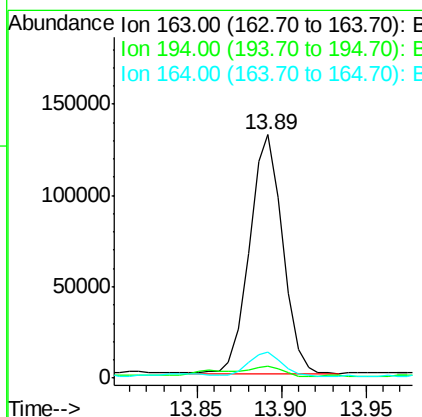
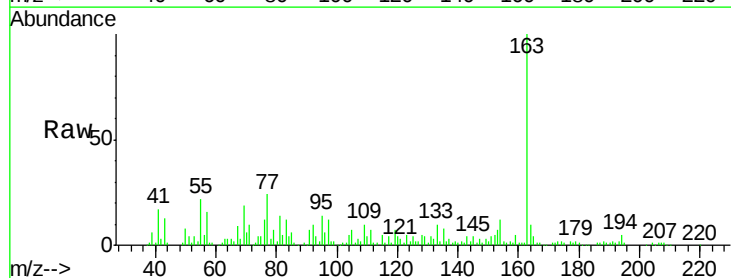
Instrument :
 BNA_M
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 JHGG0RE

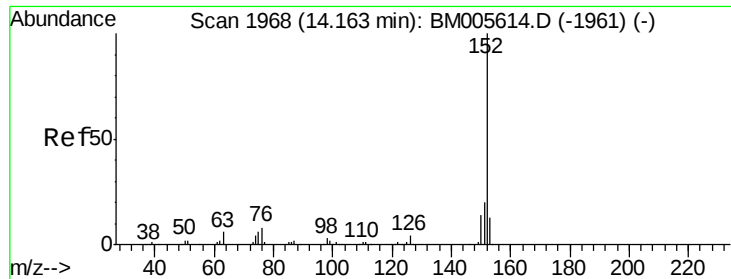
Tgt Ion:154 Resp: 49874
 Ion Ratio Lower Upper
 154 100
 153 44.2 31.7 47.5
 76 13.2 10.1 15.1



#44
 Dimethylphthalate
 Concen: 5.16 ng/ul
 RT: 13.89 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BM005626.D
 Acq: 24 May 2016 01:52

Tgt Ion:163 Resp: 177833
 Ion Ratio Lower Upper
 163 100
 194 4.9 3.4 5.0
 164 10.4 8.0 12.0

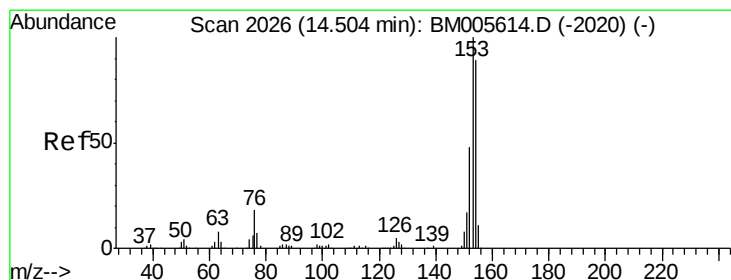
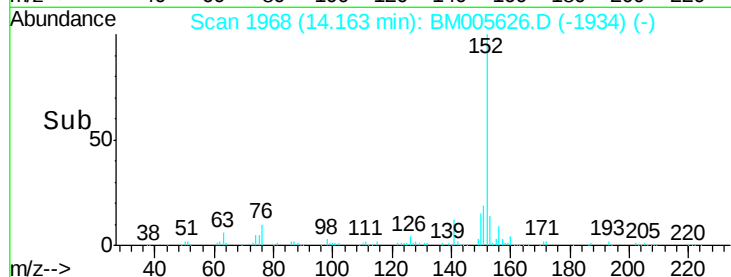
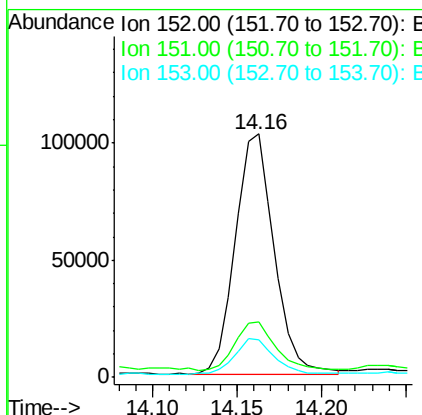
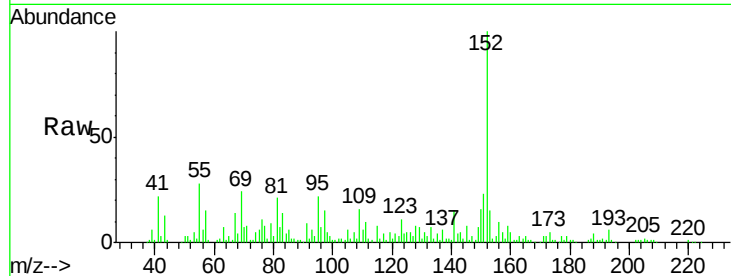




#47
Acenaphthylene
Concen: 3.72 ng/ul
RT: 14.16 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

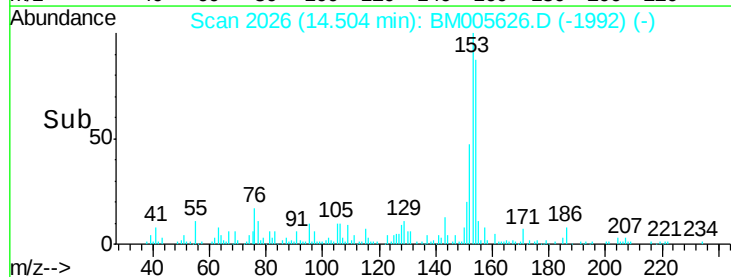
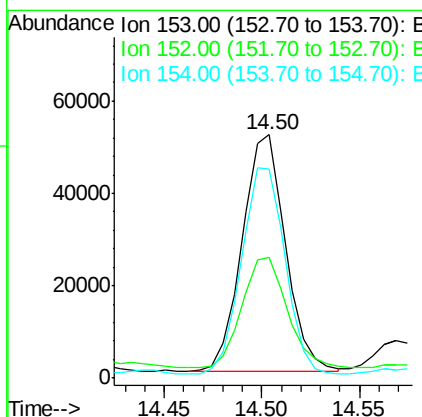
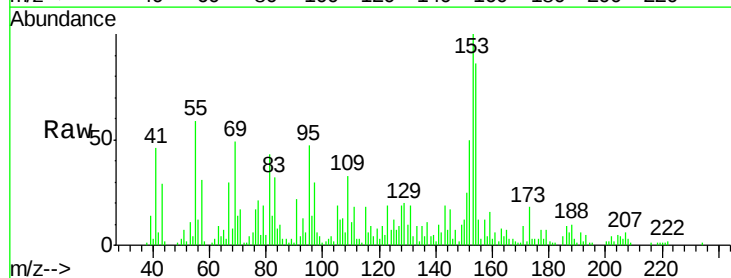
Instrument :
BNA_M
ClientSampleId :
JHGG0RE

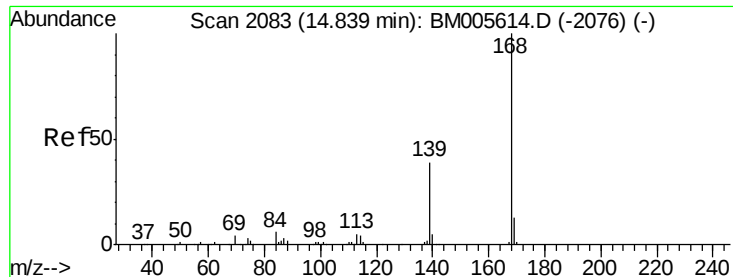
Tgt Ion:152 Resp: 164747
Ion Ratio Lower Upper
152 100
151 22.6 15.7 23.5
153 15.2 10.5 15.7



#49
Acenaphthene
Concen: 2.68 ng/ul
RT: 14.50 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Tgt Ion:153 Resp: 78359
Ion Ratio Lower Upper
153 100
152 49.5 37.8 56.6
154 85.8 71.1 106.7





#53

Dibenzenofuran

Concen: 1.92 ng/ul

RT: 14.83 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

Instrument :

BNA_M

ClientSampleId :

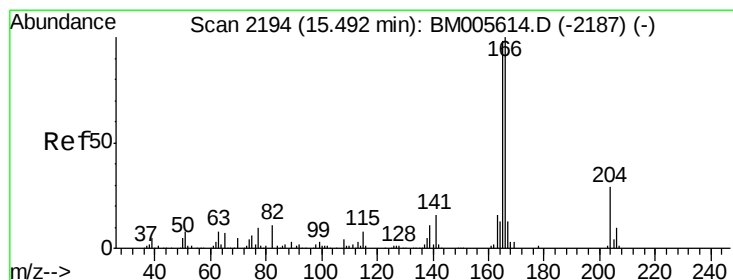
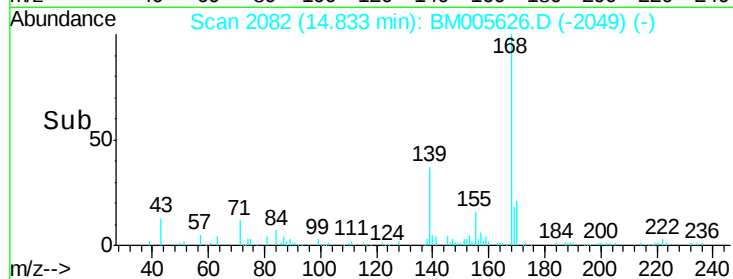
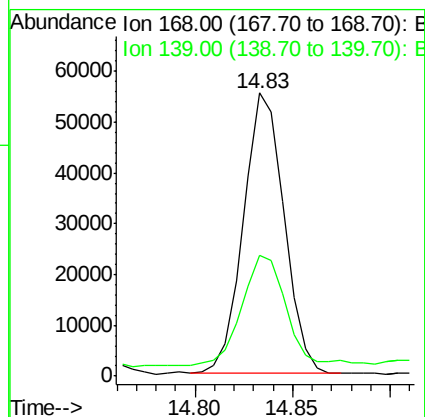
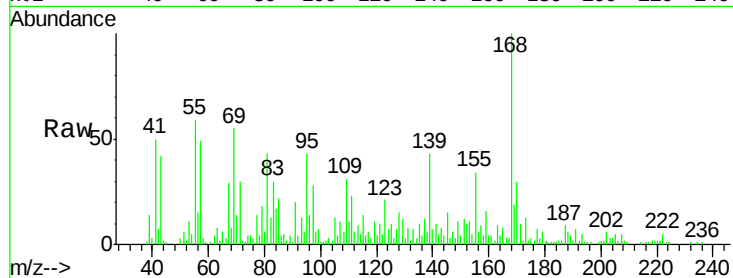
JHGG0RE

Tgt Ion:168 Resp: 79895

Ion Ratio Lower Upper

168 100

139 42.7 30.6 46.0



#58

Fluorene

Concen: 6.31 ng/ul

RT: 15.49 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

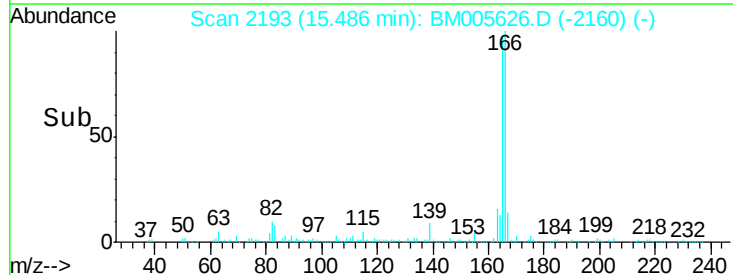
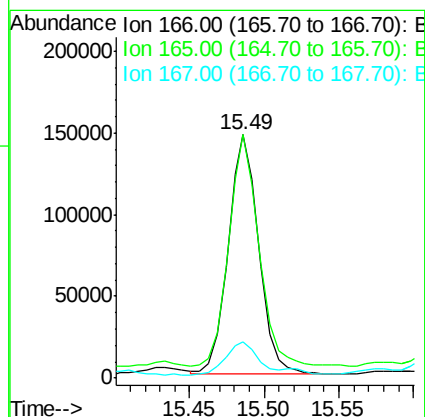
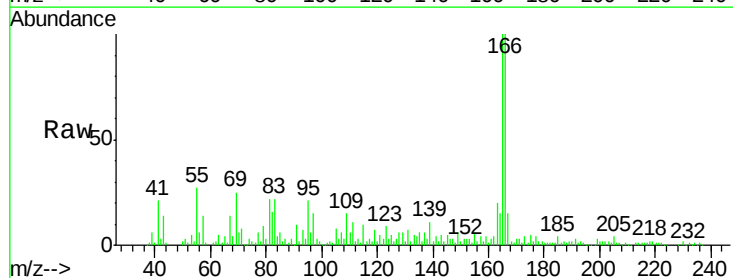
Tgt Ion:166 Resp: 210582

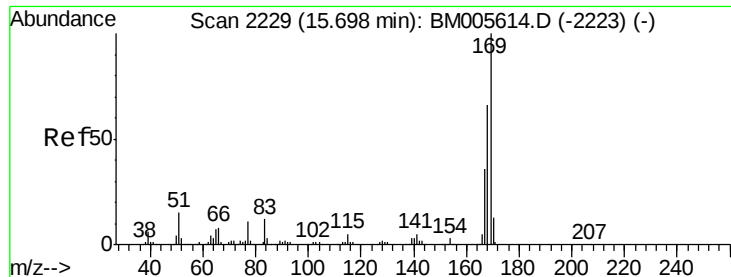
Ion Ratio Lower Upper

166 100

165 100.0 78.0 117.0

167 14.7 10.5 15.7





#64

N-Nitrosodiphenylamine

Concen: 2.15 ng/ul

RT: 15.70 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

Instrument :

BNA_M

ClientSampleId :

JHGG0RE

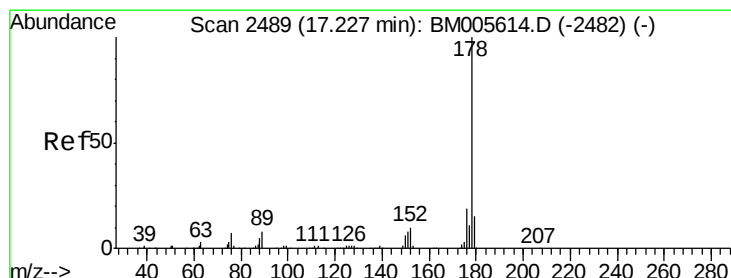
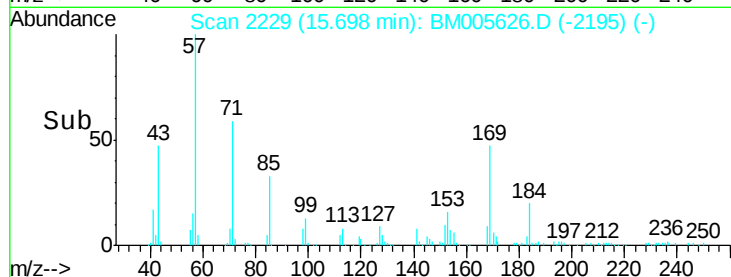
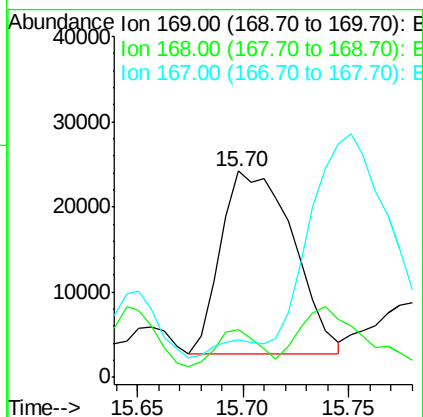
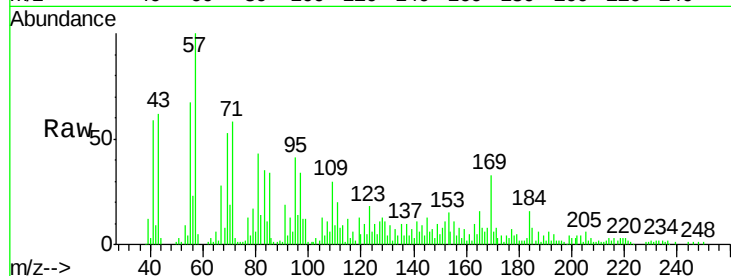
Tgt Ion:169 Resp: 51085

Ion Ratio Lower Upper

169 100

168 23.4 53.2 79.8#

167 18.1 28.9 43.3#



#69

Phenanthrene

Concen: 41.59 ng/ul

RT: 17.23 min Scan# 2489

Delta R.T. -0.00 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

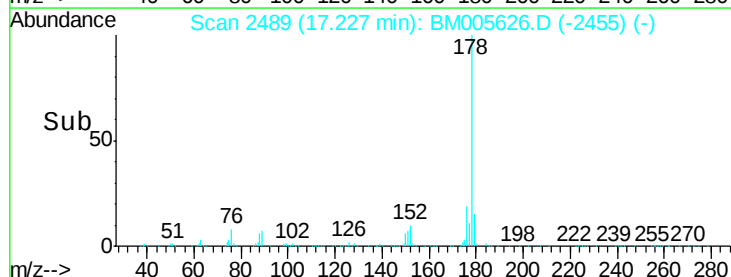
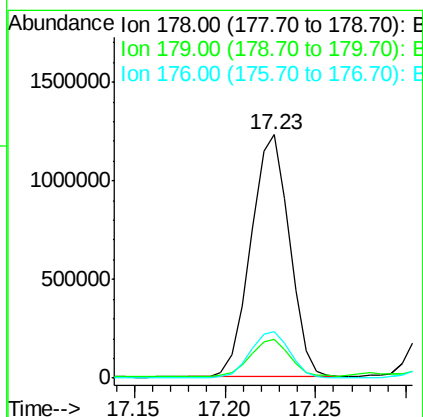
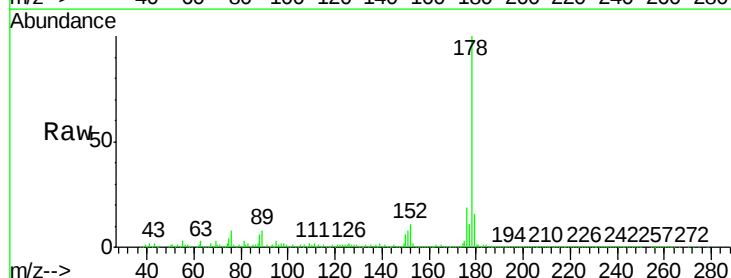
Tgt Ion:178 Resp: 1817718

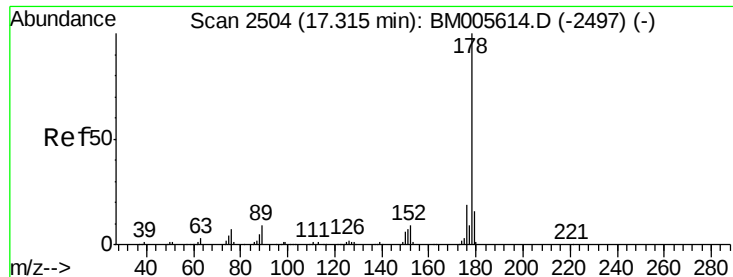
Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

176 19.2 15.8 23.6

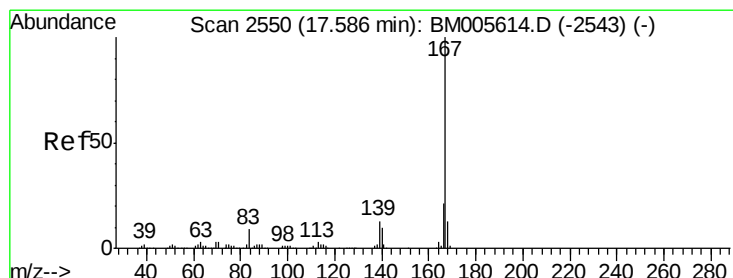
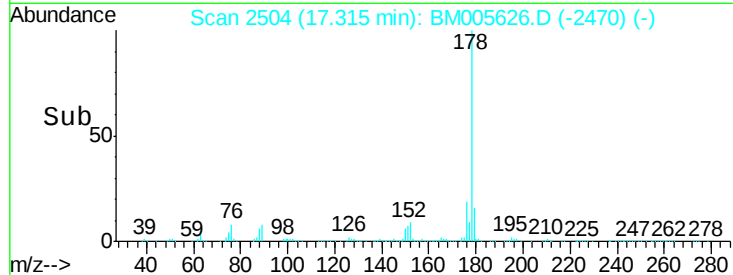
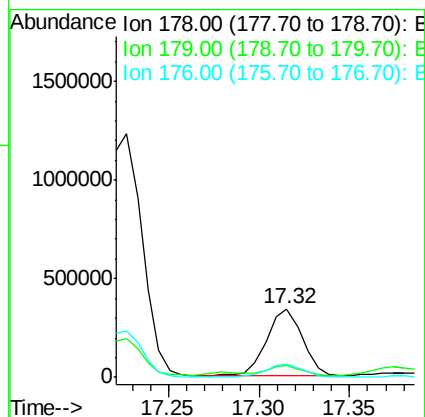
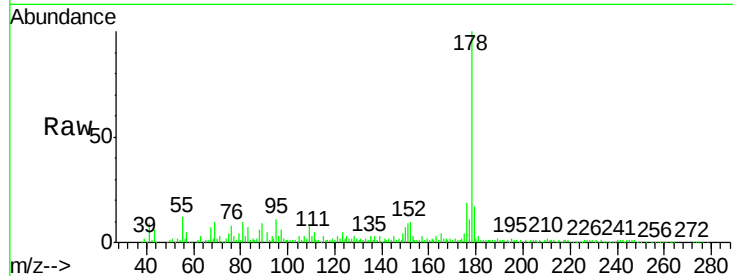




#71
 Anthracene
 Concen: 10.44 ng/ul
 RT: 17.32 min Scan# 2504
 Delta R.T. -0.00 min
 Lab File: BM005626.D
 Acq: 24 May 2016 01:52

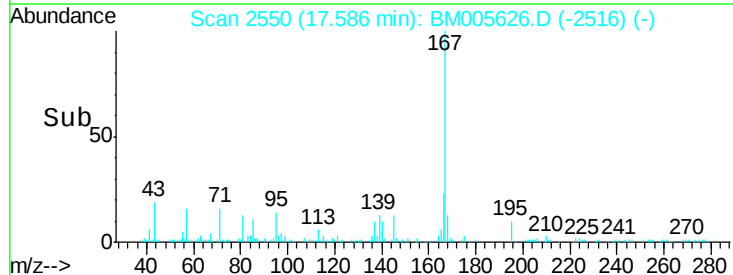
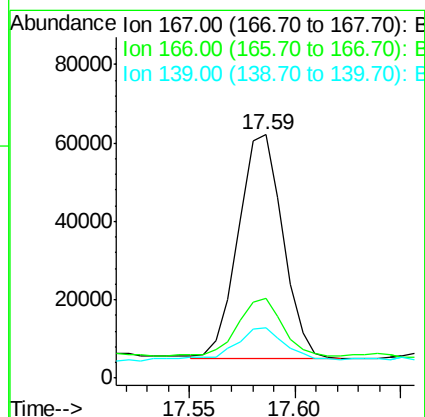
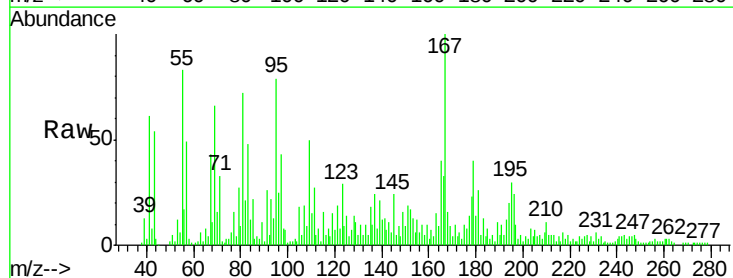
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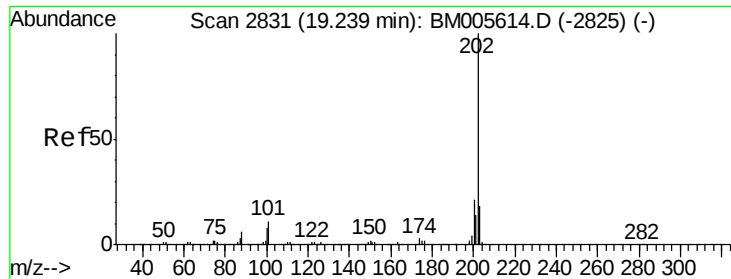
Tgt Ion:178 Resp: 465143
 Ion Ratio Lower Upper
 178 100
 179 17.1 12.6 18.8
 176 19.1 15.0 22.4



#72
 Carbazole
 Concen: 2.17 ng/ul
 RT: 17.59 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BM005626.D
 Acq: 24 May 2016 01:52

Tgt Ion:167 Resp: 83828
 Ion Ratio Lower Upper
 167 100
 166 32.9 16.9 25.3#
 139 20.7 10.6 16.0#





#74

Fluoranthene

Concen: 39.40 ng/ul

RT: 19.24 min Scan# 2831

Delta R.T. -0.00 min

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ClientSampleId :

JHGG0RE

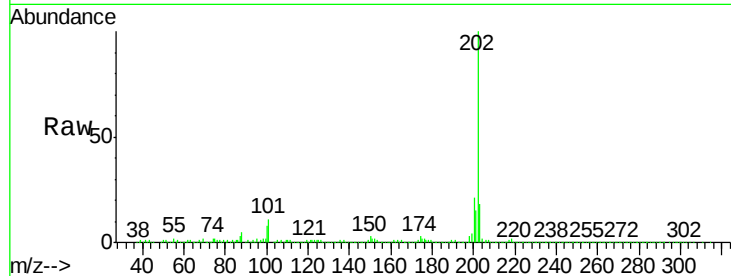
Tgt Ion:202 Resp: 1937884

Ion Ratio Lower Upper

202 100

101 10.8 7.9 11.9

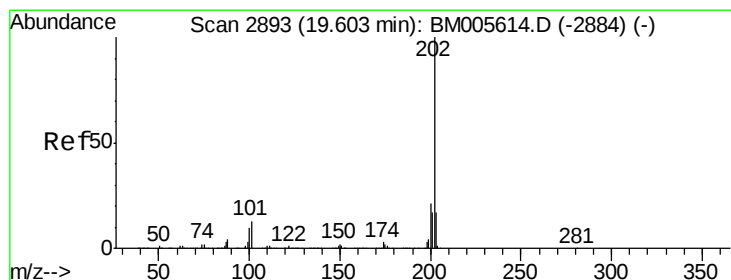
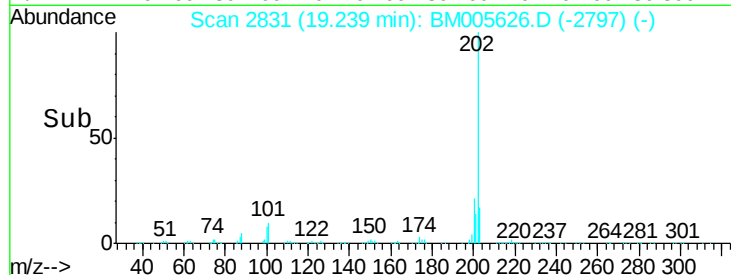
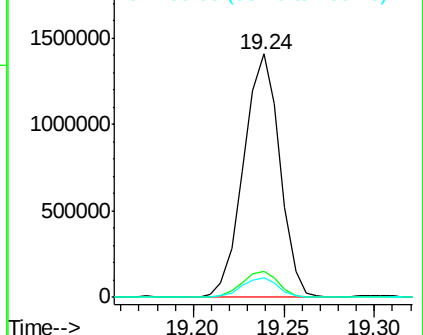
100 7.9 5.6 8.4



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: 51.24 ng/ul

RT: 19.60 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

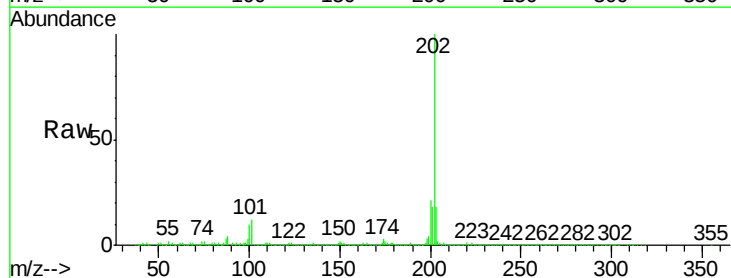
Tgt Ion:202 Resp: 2166723

Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

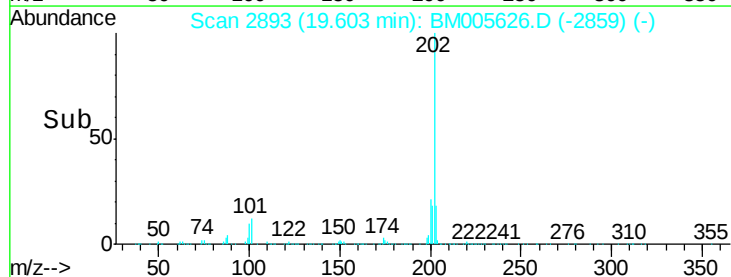
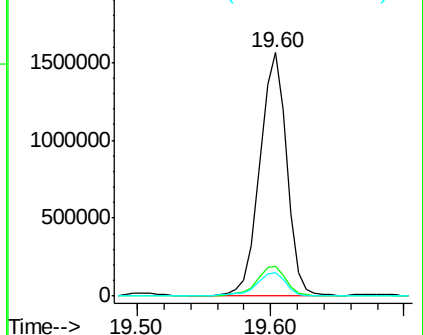
100 9.9 7.8 11.6

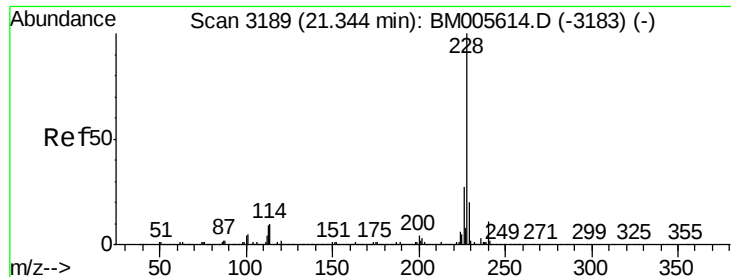


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 20.15 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

Instrument :

BNA_M

ClientSampleId :

JHGG0RE

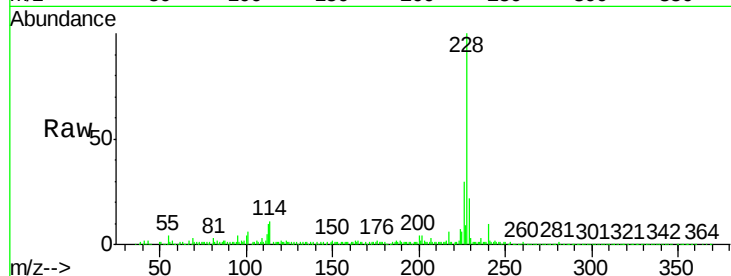
Tgt Ion:228 Resp: 871151

Ion Ratio Lower Upper

228 100

229 21.9 15.4 23.2

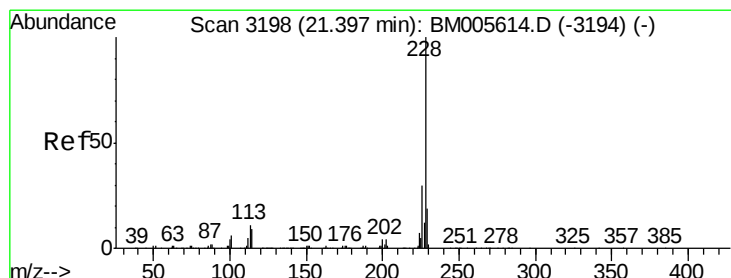
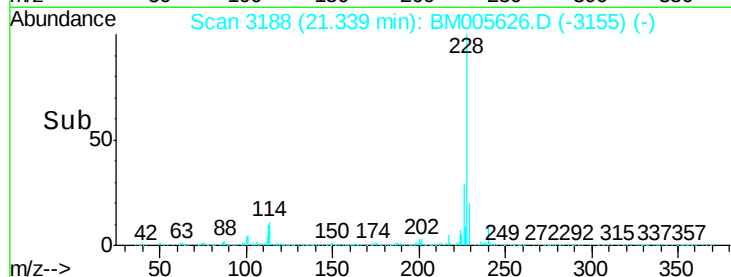
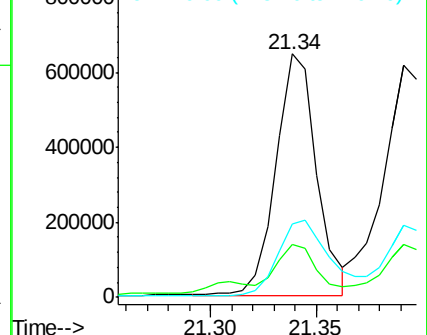
226 30.0 21.0 31.4



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



#82

Chrysene

Concen: 22.05 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

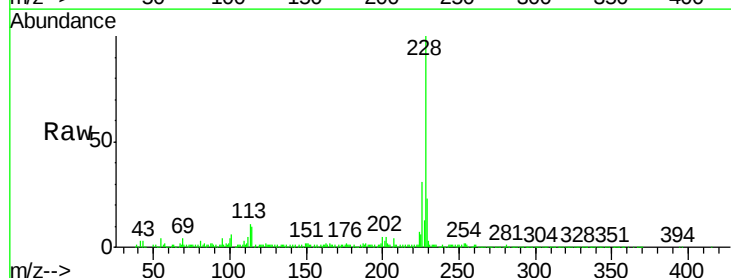
Tgt Ion:228 Resp: 906895

Ion Ratio Lower Upper

228 100

226 30.8 23.7 35.5

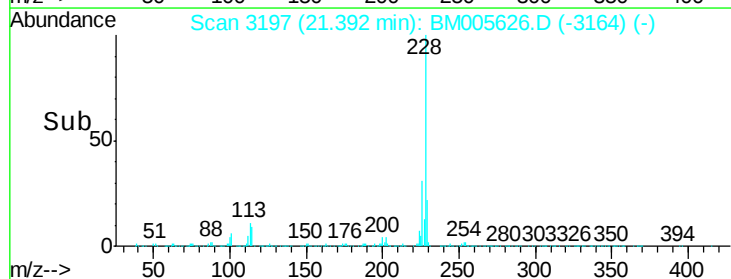
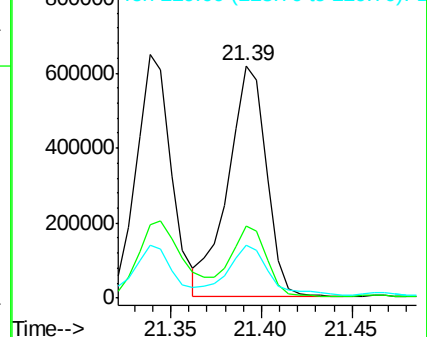
229 22.8 15.5 23.3

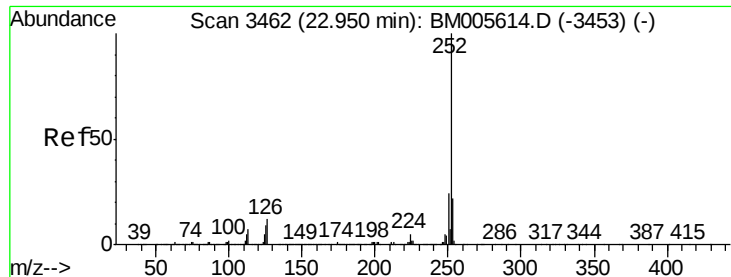


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

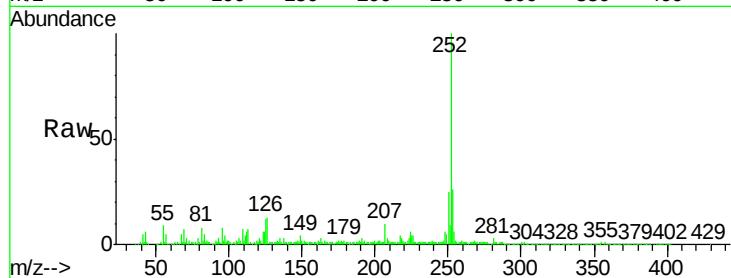




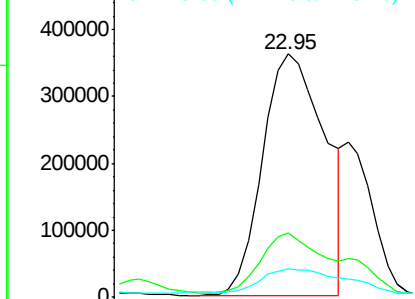
#85
Benzo(b)fluoranthene
Concen: 21.14 ng/ul
RT: 22.95 min Scan# 3462
Delta R.T. -0.00 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Instrument :
BNA_M
ClientSampleId :
JHGG0RE

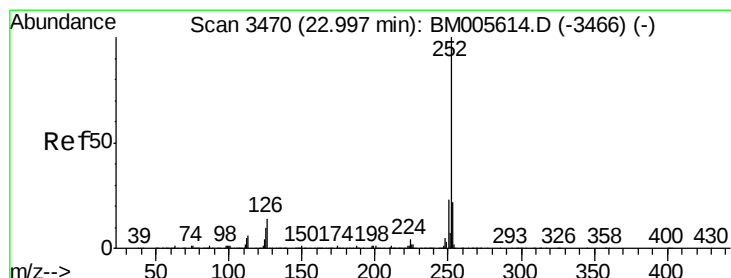
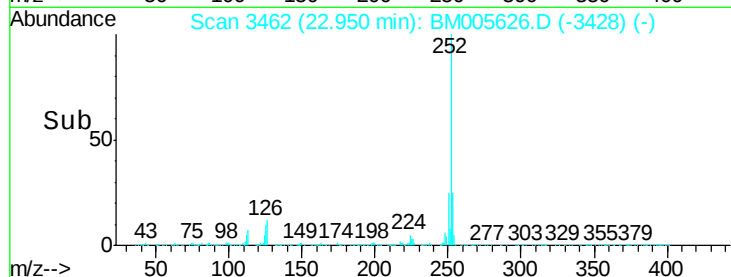
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.3	25.9#
125	11.9	7.0	10.4#



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

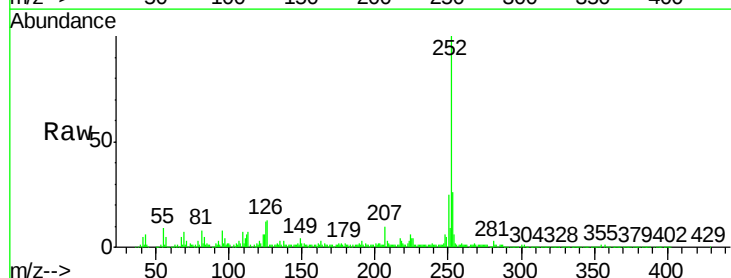


Time--> 22.85 22.90 22.95 23.00

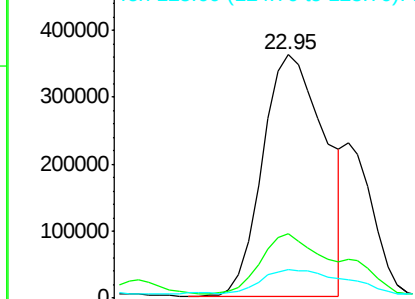


#86
Benzo(k)fluoranthene
Concen: 22.33 ng/ul
RT: 22.95 min Scan# 3462
Delta R.T. -0.05 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

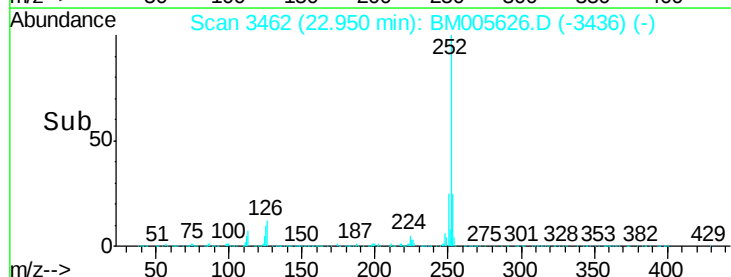
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.5	26.3#
125	11.9	7.0	10.6#

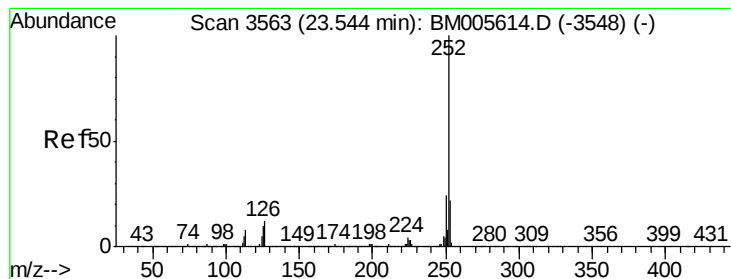


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 22.85 22.90 22.95 23.00





#88

Benzo(a)pyrene

Concen: 19.98 ng/ul

RT: 23.54 min Scan# 3562

Delta R.T. -0.01 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

Instrument :

BNA_M

ClientSampleId :

JHGG0RE

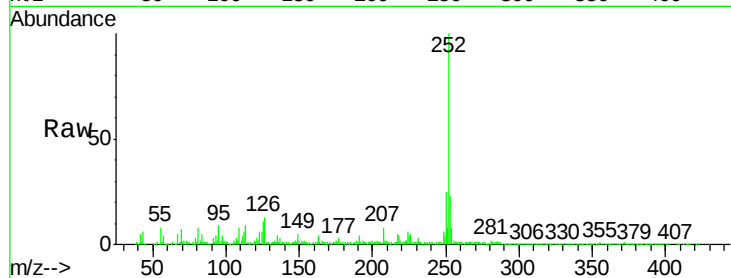
Tgt Ion:252 Resp: 846364

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

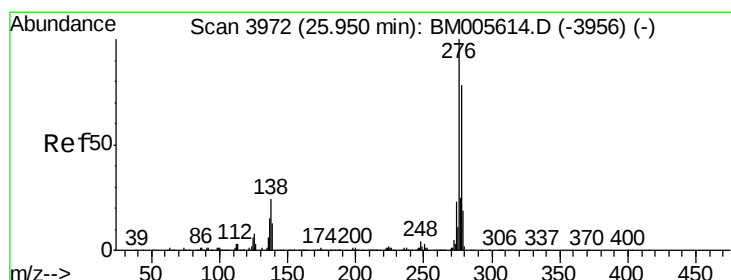
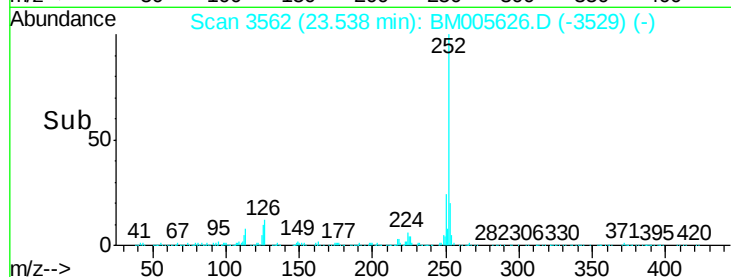
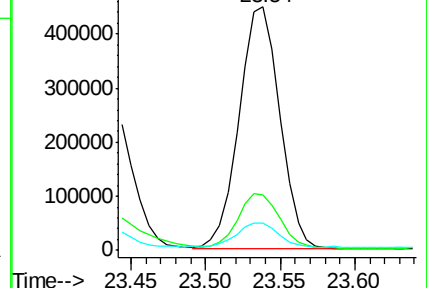
125 11.4 7.6 11.4#



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: 10.54 ng/ul

RT: 25.94 min Scan# 3970

Delta R.T. -0.01 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

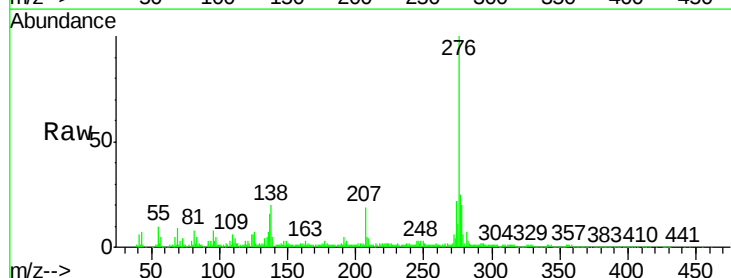
Tgt Ion:276 Resp: 530172

Ion Ratio Lower Upper

276 100

138 19.5 16.9 25.3

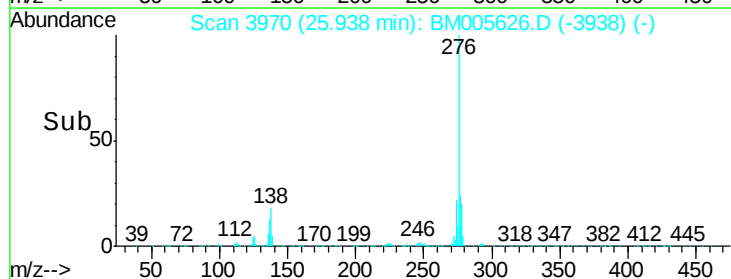
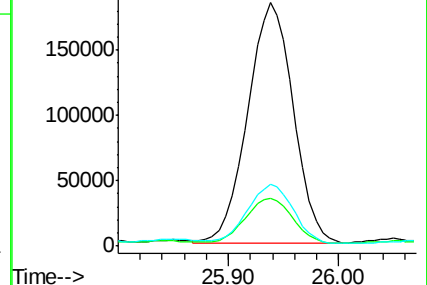
277 25.2 20.2 30.4

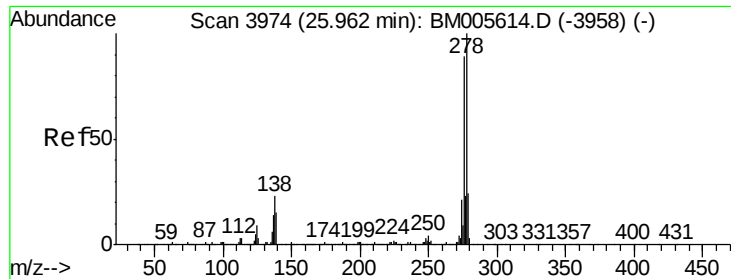


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

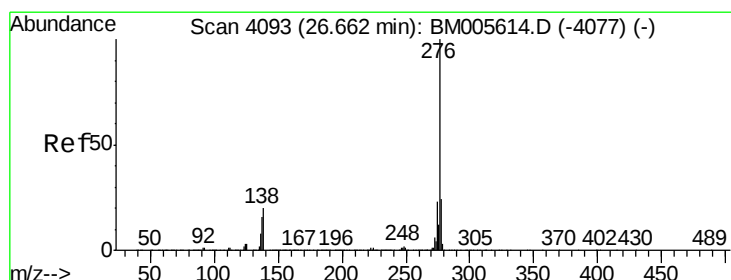
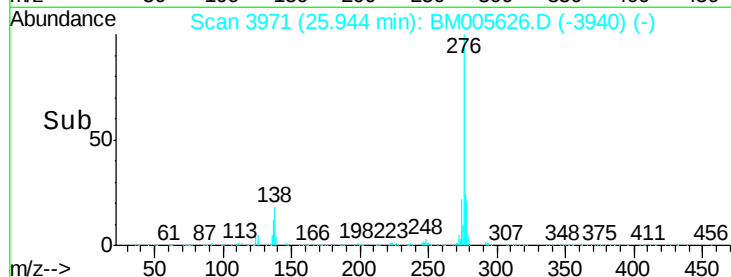
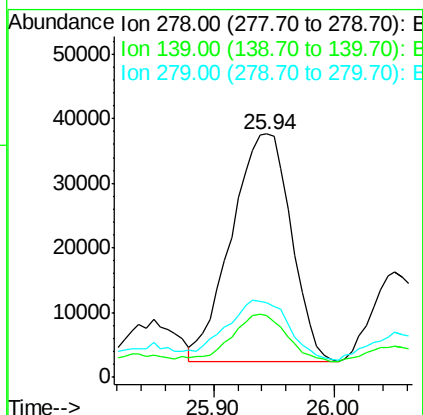
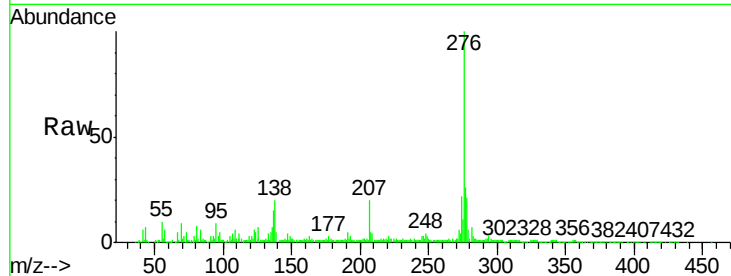




#90
Dibenzo(a,h)anthracene
Concen: 2.89 ng/ul
RT: 25.94 min Scan# 3971
Delta R.T. -0.02 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Instrument :
BNA_M
ClientSampleId :
JHGG0RE

Tgt Ion: 278 Resp: 120921
Ion Ratio Lower Upper
278 100
139 25.2 11.8 17.6#
279 30.5 19.4 29.2#



#91
Benzo(g,h,i)perylene
Concen: 12.18 ng/ul
RT: 26.65 min Scan# 4091
Delta R.T. -0.01 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Tgt Ion: 276 Resp: 515359
Ion Ratio Lower Upper
276 100
138 21.0 15.0 22.6
277 24.6 18.6 28.0

