

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

Instrument :
 BNA_M
 ClientSampleId :
 JHGG0RE

Manual Integrations
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Quant Time: May 24 13:27:33 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
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	22.99	252	285998m	6.92	ng/ul	
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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ALS Vial : 12 Sample Multiplier: 1

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

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

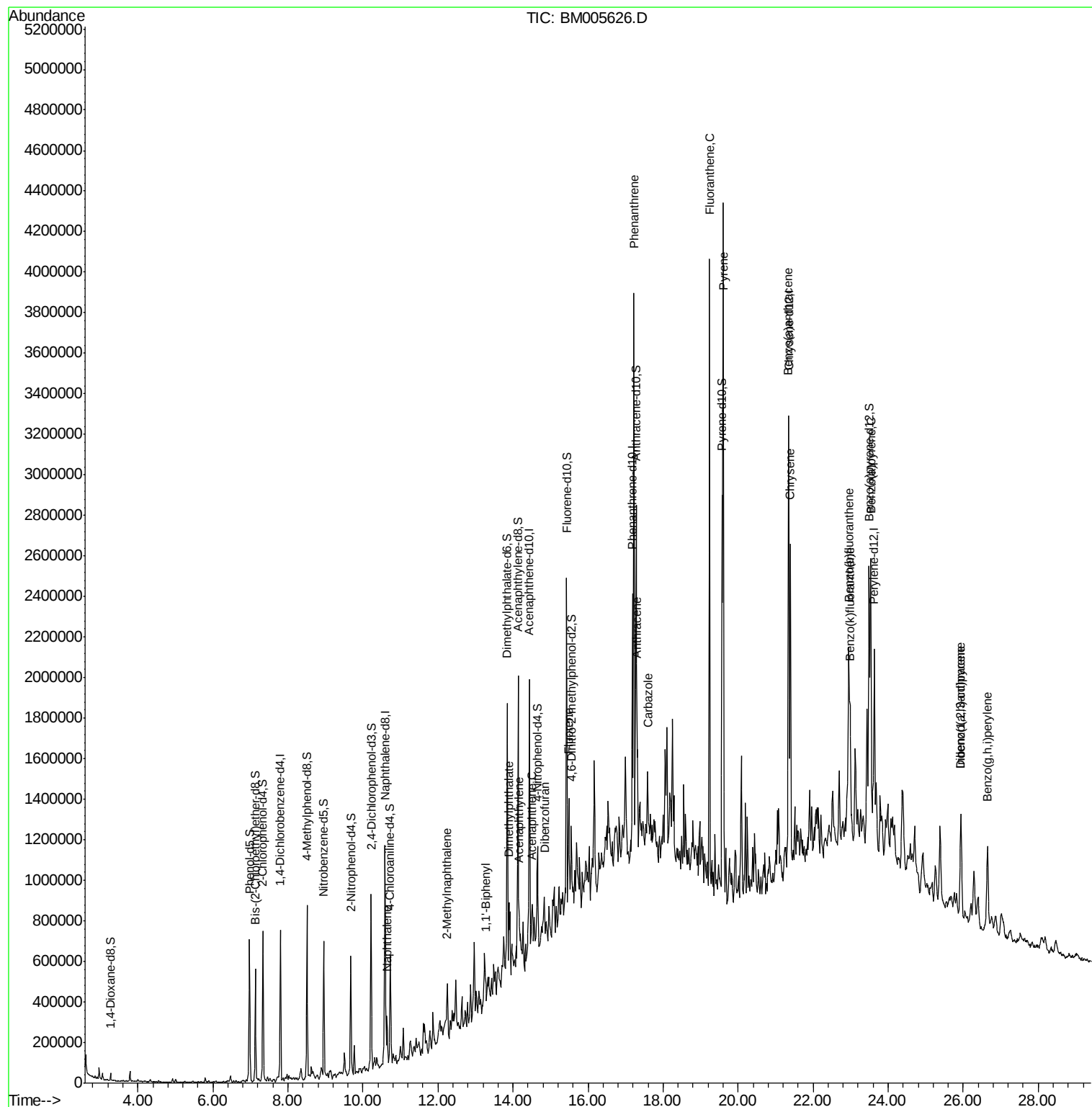
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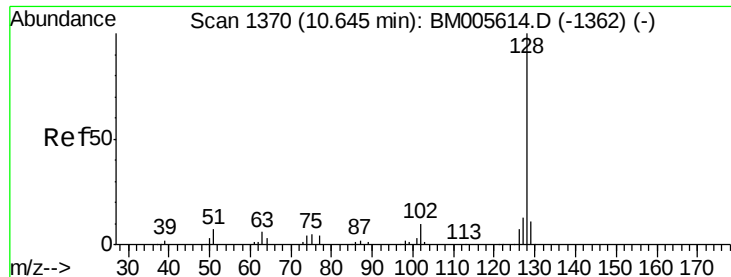
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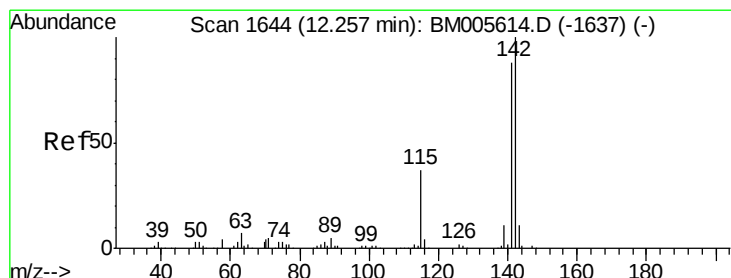
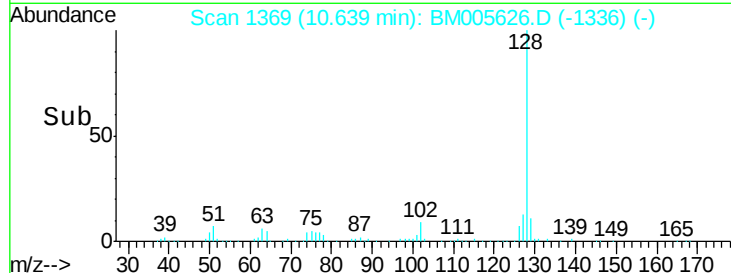
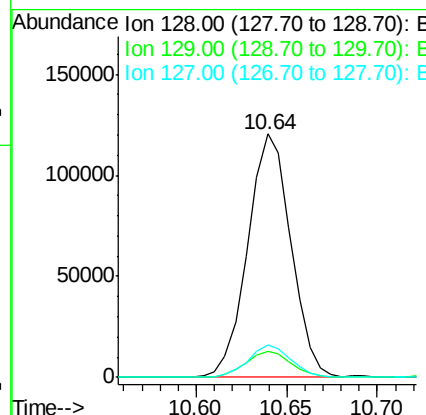
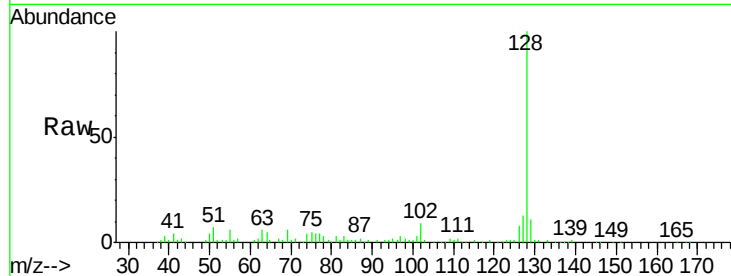
#28
Naphthalene
Concen: 4.55 ng/ul
RT: 10.64 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Instrument :
BNA_M
ClientSampleId :
JHGG0RE

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	199885		
129	10.9	8.6	13.0	
127	13.4	10.6	15.8	

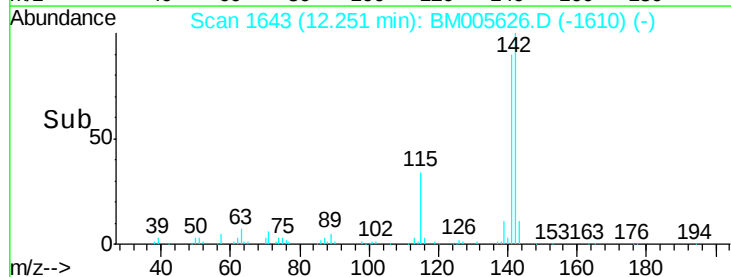
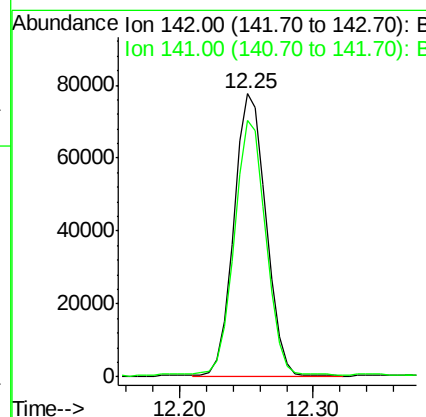
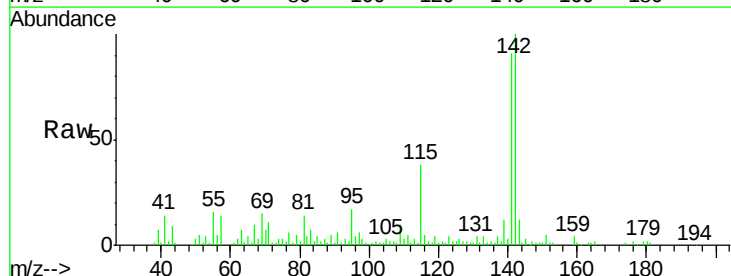
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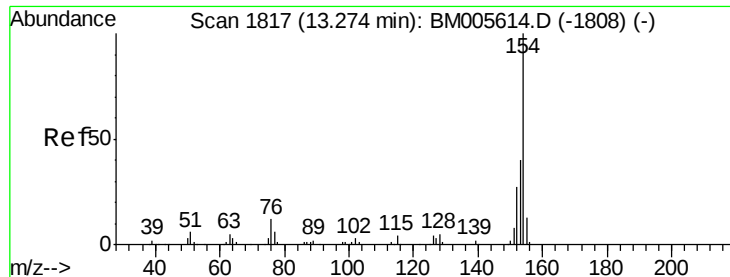
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#34
2-Methylnaphthalene
Concen: 4.07 ng/ul
RT: 12.25 min Scan# 1643
Delta R.T. -0.01 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	130921		
141	90.5	70.6	106.0	





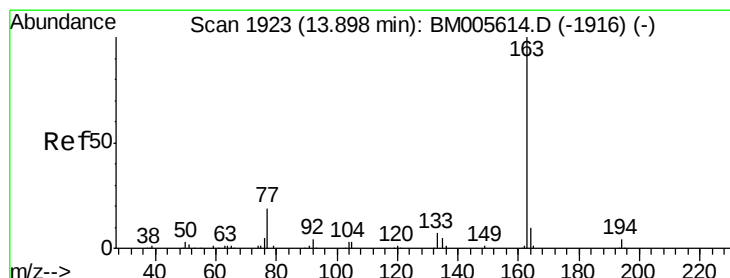
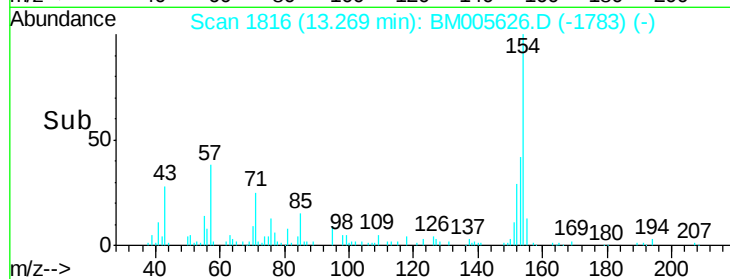
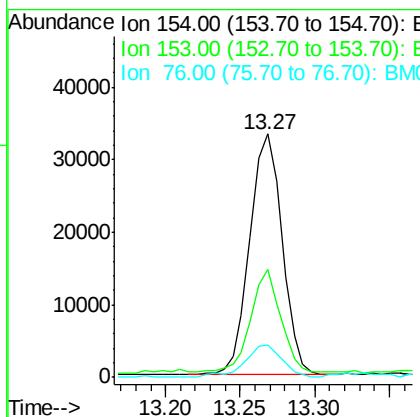
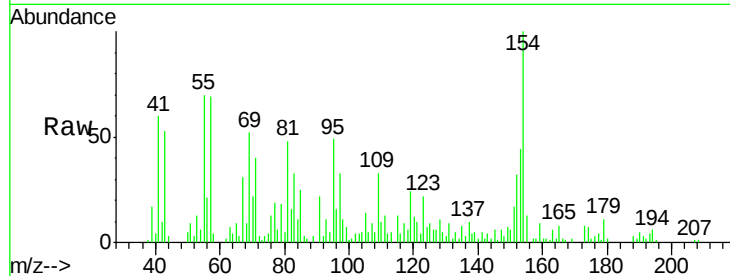
#40
 1,1'-Biphenyl
 Concen: 1.39 ng/ul
 RT: 13.27 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BM005626.D
 Acq: 24 May 2016 01:52

Instrument :
 BNA_M
 ClientSampleId :
 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

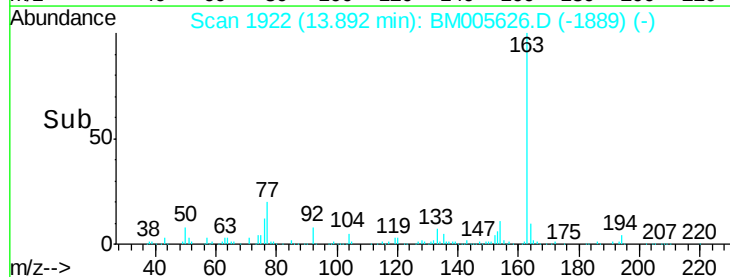
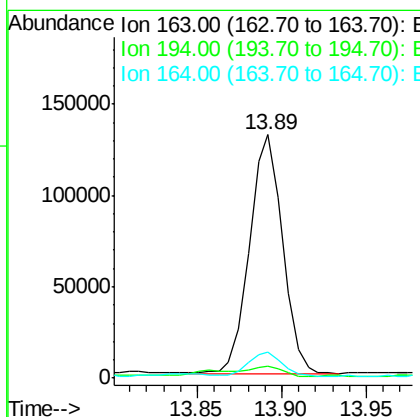
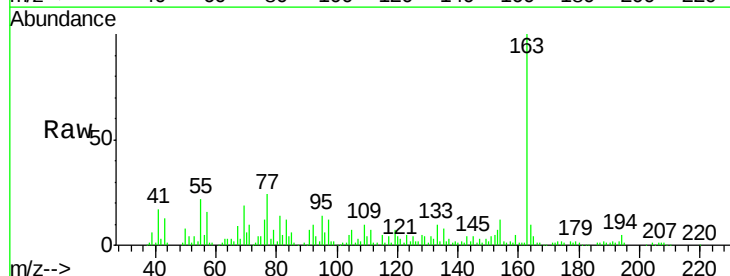
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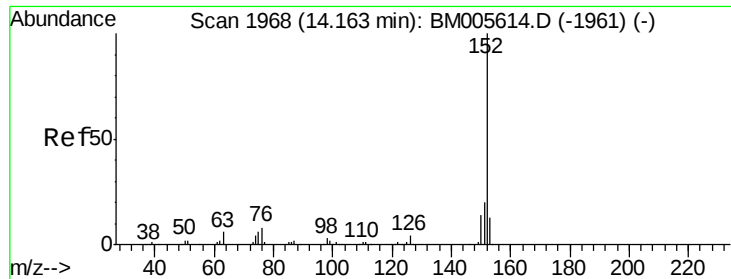
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#44
 Dimethylphthalate
 Concen: 5.16 ng/ul
 RT: 13.89 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BM005626.D
 Acq: 24 May 2016 01:52

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

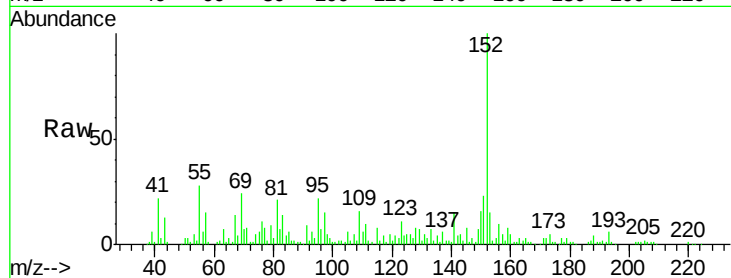
Acq: 24 May 2016 01:52

Instrument :

BNA_M

ClientSampleId :

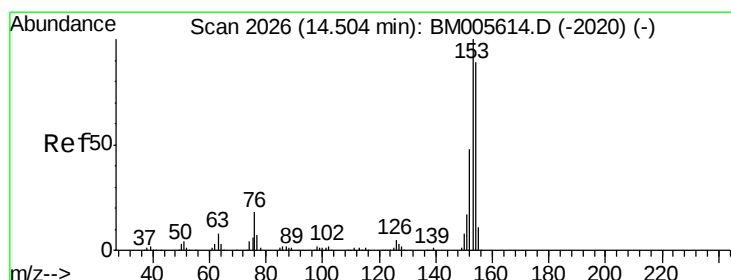
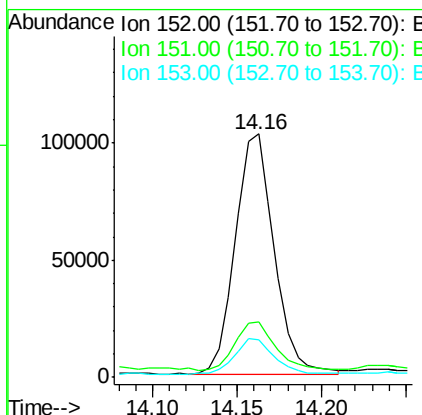
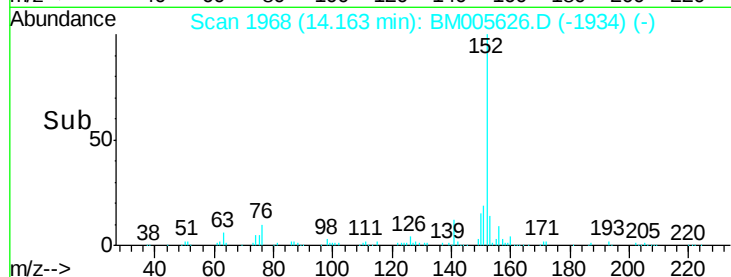
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.6	15.7	23.5
153	15.2	10.5	15.7

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#49

Acenaphthene

Concen: 2.68 ng/ul

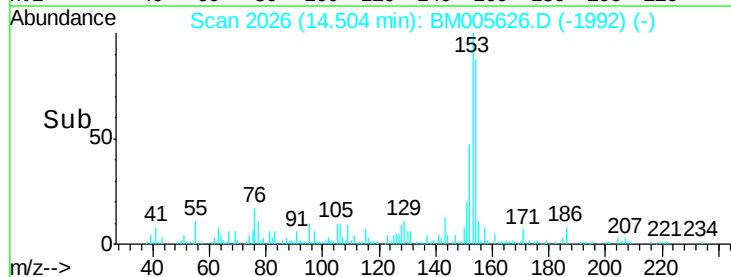
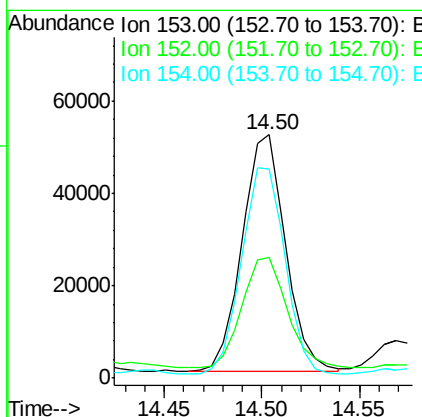
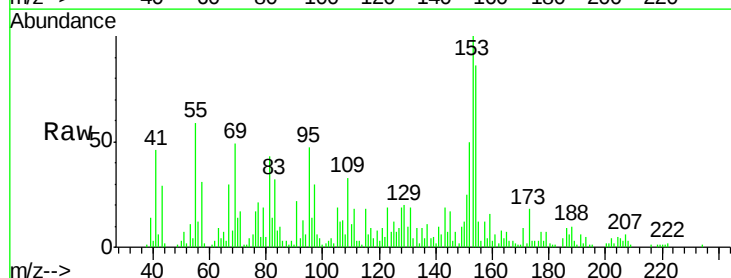
RT: 14.50 min Scan# 2026

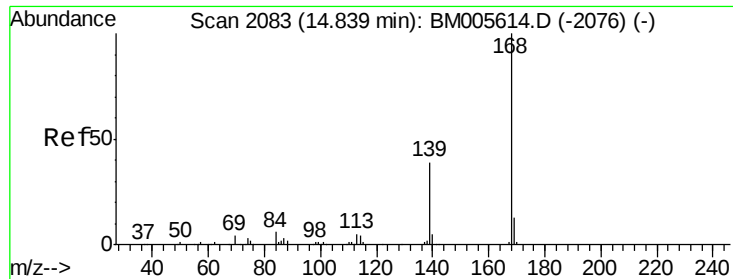
Delta R.T. -0.00 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

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





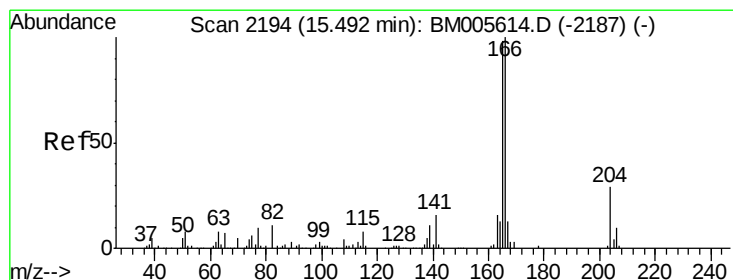
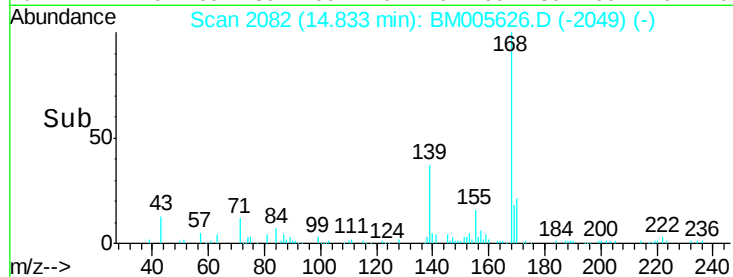
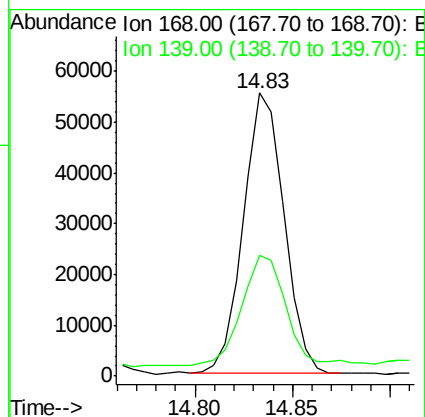
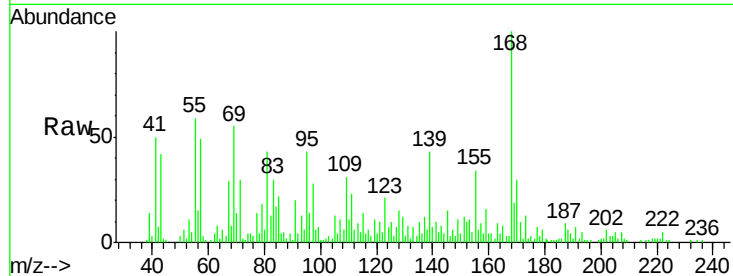
#53
Dibenzenofuran
Concen: 1.92 ng/ul
RT: 14.83 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Instrument :
BNA_M
ClientSampleId :
JHGG0RE

Tgt Ion:168 Resp: 79895
Ion Ratio Lower Upper
168 100
139 42.7 30.6 46.0

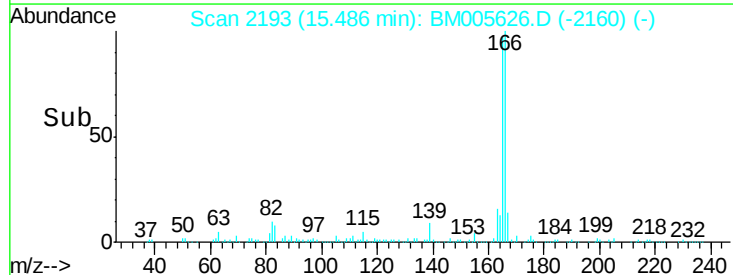
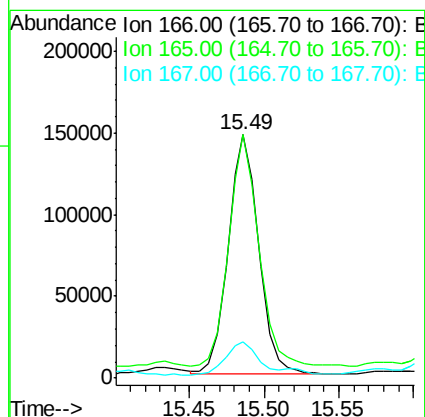
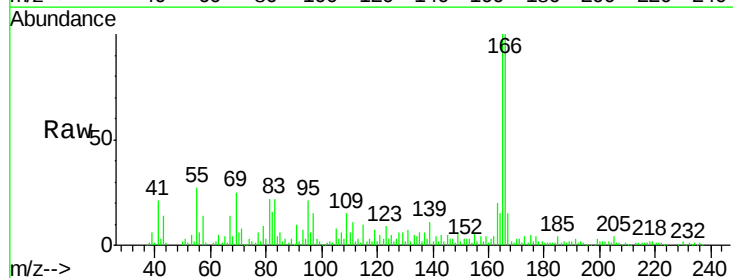
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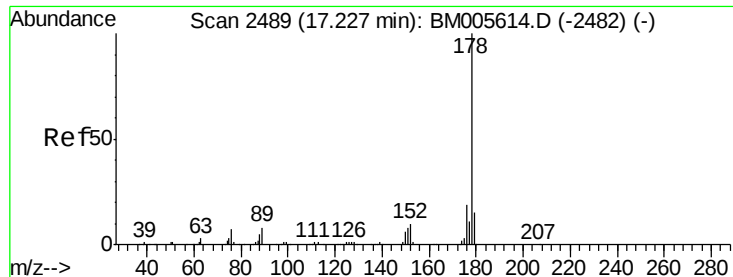
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#58
Fluorene
Concen: 6.31 ng/ul
RT: 15.49 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

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





#69

Phenanthrene

Concen: 41.59 ng/u1

RT: 17.23 min Scan# 2489

Delta R.T. -0.00 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:178 Resp: 1817718

Ion Ratio Lower Upper

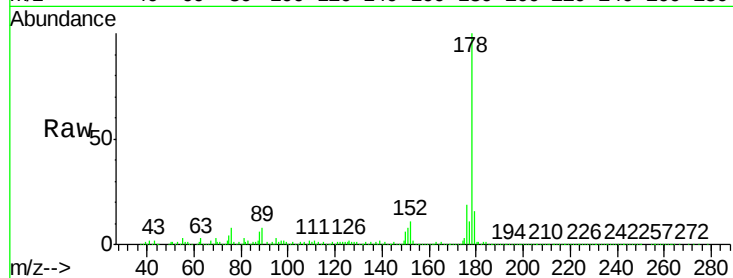
178 100

179 15.9 12.2 18.2

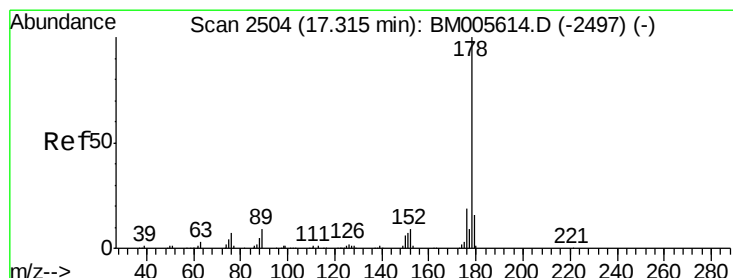
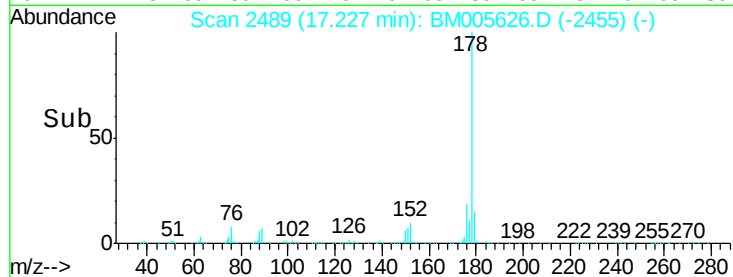
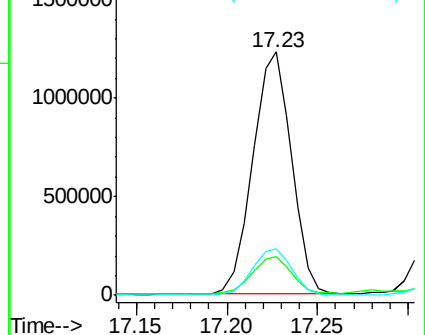
176 19.2 15.8 23.6

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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: 10.44 ng/u1

RT: 17.32 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

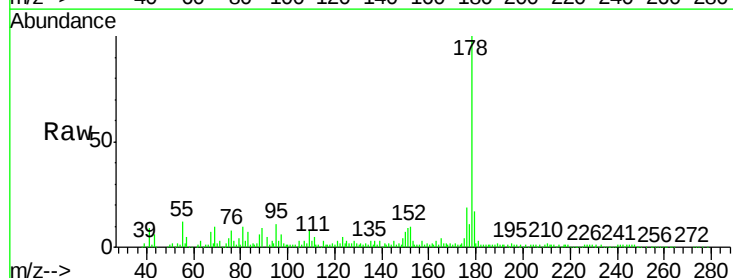
Tgt Ion:178 Resp: 465143

Ion Ratio Lower Upper

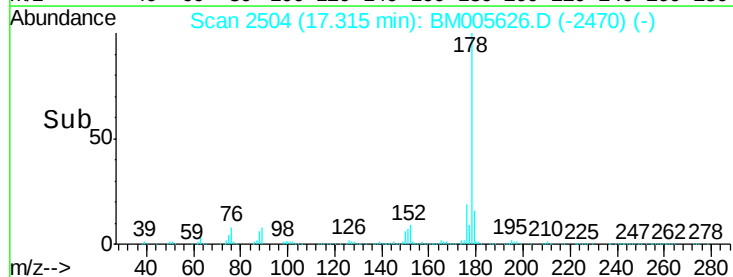
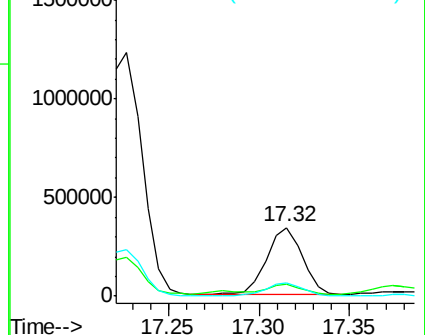
178 100

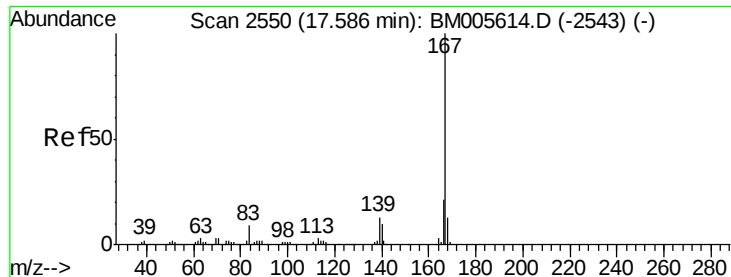
179 17.1 12.6 18.8

176 19.1 15.0 22.4



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: 2.17 ng/ul

RT: 17.59 min Scan# 2550

Delta R.T. -0.00 min

Lab File: BM005626.D

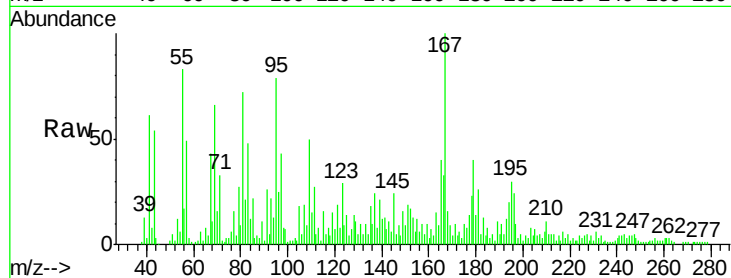
Acq: 24 May 2016 01:52

Instrument :

BNA_M

ClientSampleId :

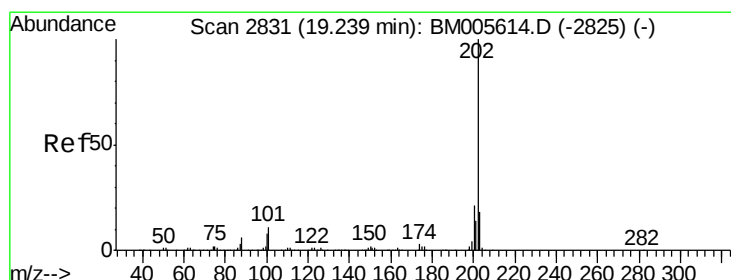
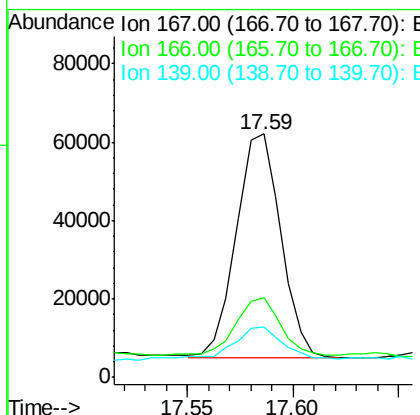
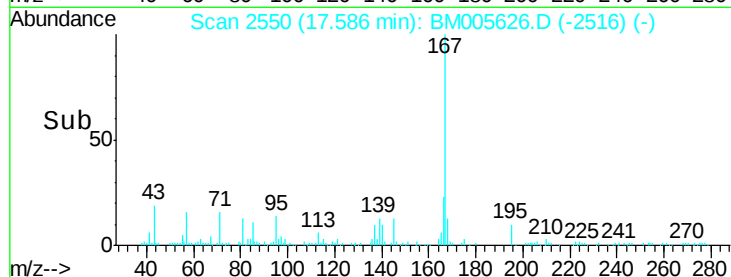
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Tgt Ion:	167	Resp:	83828
Ion Ratio	Lower	Upper	
167	100		
166	32.9	16.9	25.3#
139	20.7	10.6	16.0#

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#74

Fluoranthene

Concen: 39.40 ng/ul

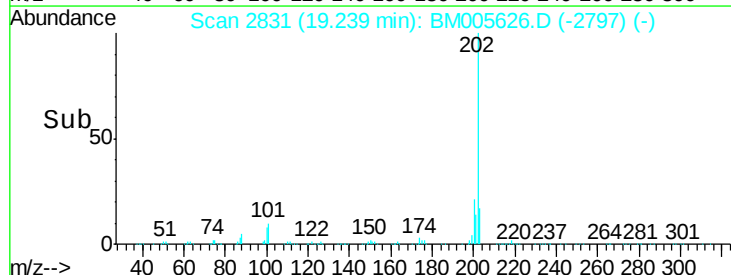
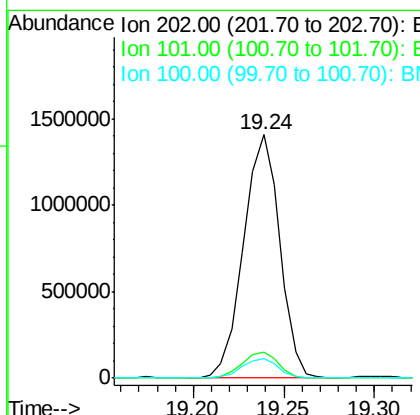
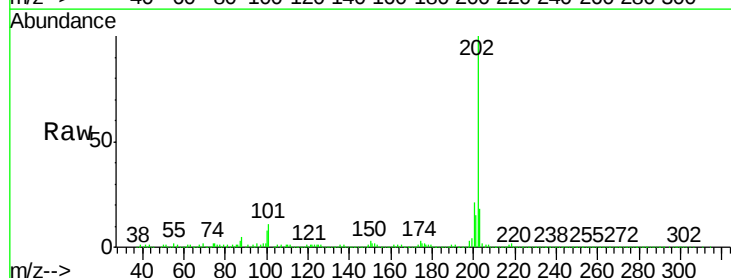
RT: 19.24 min Scan# 2831

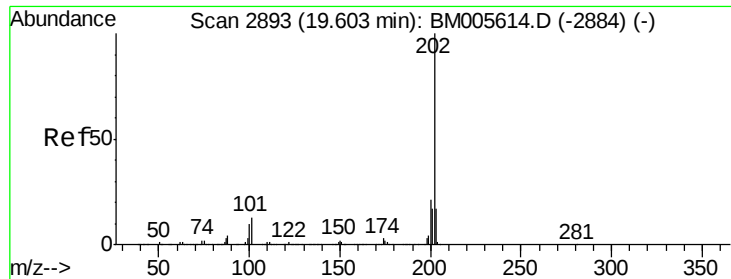
Delta R.T. -0.00 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

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





#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

Instrument :

BNA_M

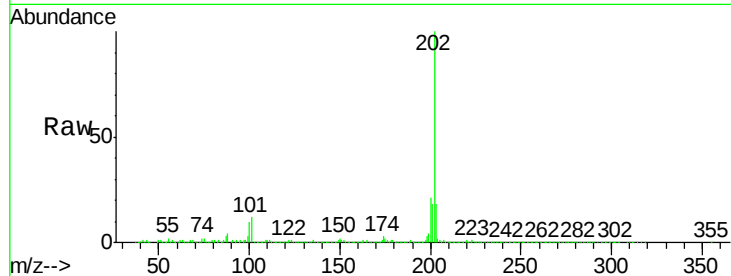
ClientSampleId :

JHGG0RE

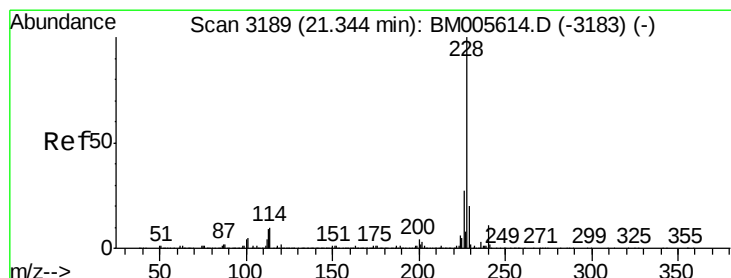
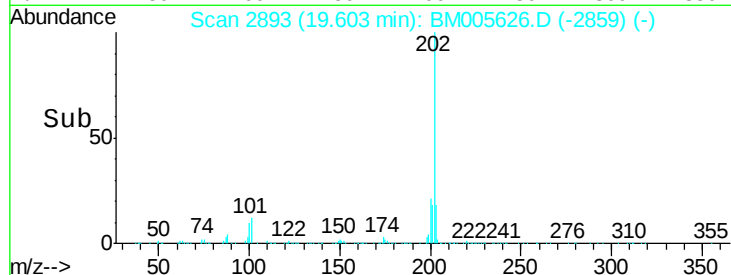
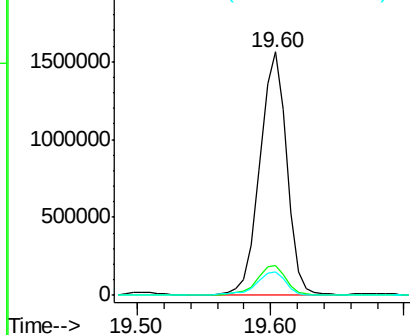
Tgt Ion:	202	Resp:	2166723
Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.6	14.4
100	9.9	7.8	11.6

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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

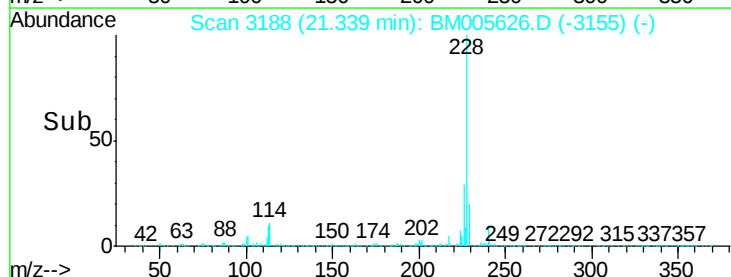
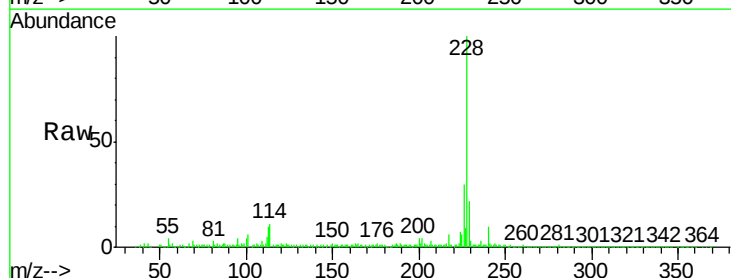
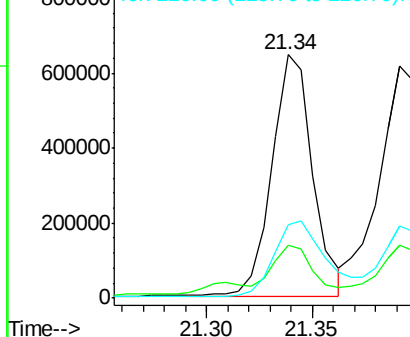
Delta R.T. -0.01 min

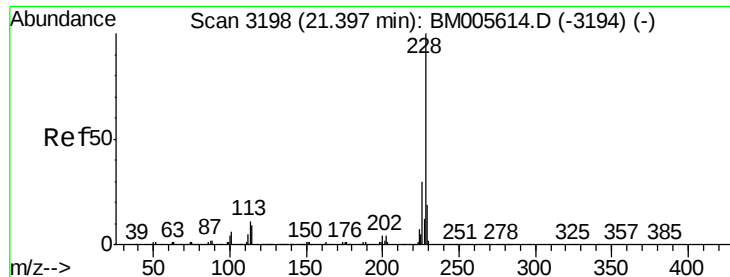
Lab File: BM005626.D

Acq: 24 May 2016 01:52

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

Instrument :

BNA_M

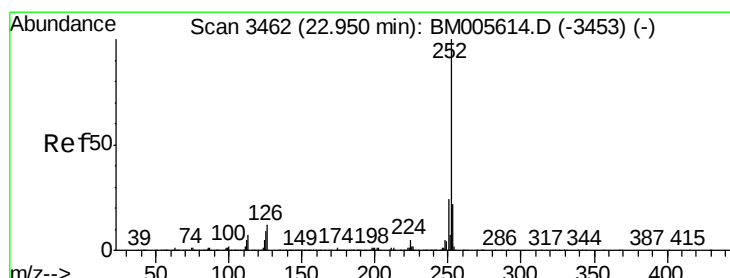
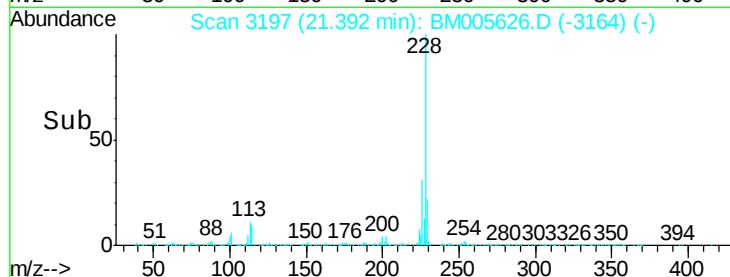
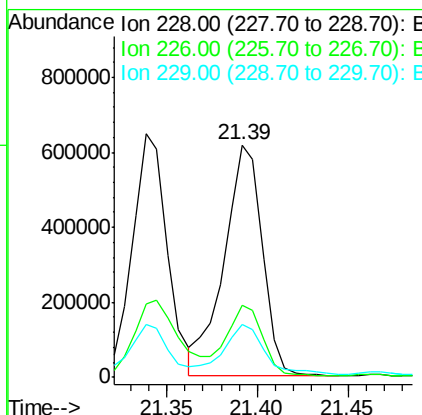
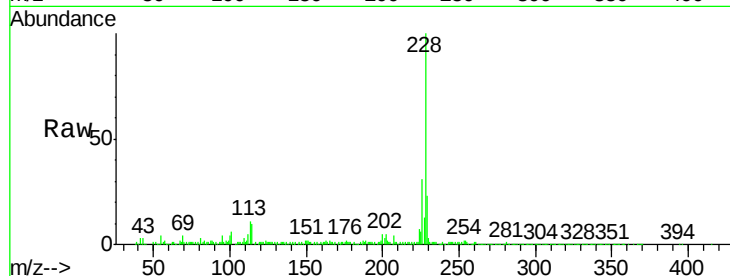
ClientSampleId :

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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

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#85

Benzo(b)fluoranthene

Concen: 21.14 ng/ul

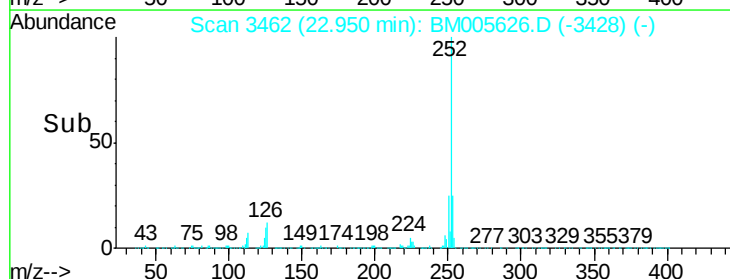
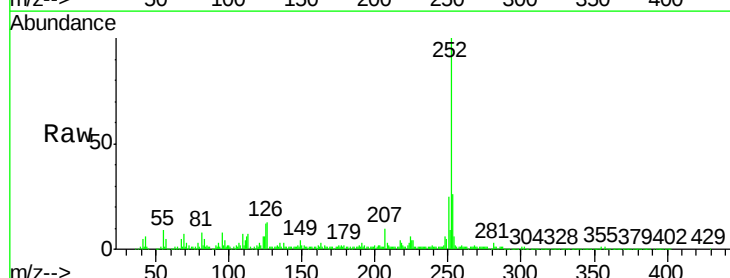
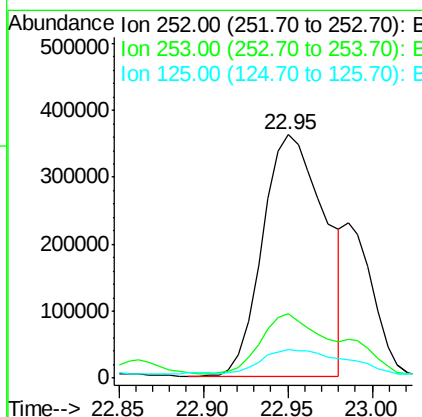
RT: 22.95 min Scan# 3462

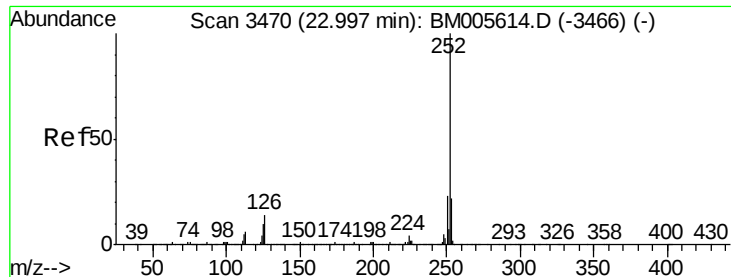
Delta R.T. -0.00 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

Tgt Ion:	252	Resp:	923332
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.3	25.9#
125	11.9	7.0	10.4#





#86

Benzo(k)fluoranthene

Concen: 6.92 ng/ul m

RT: 22.99 min Scan# 3468

Delta R.T. -0.01 min

Lab File: BM005626.D

Acq: 24 May 2016 01:52

Instrument :

BNA_M

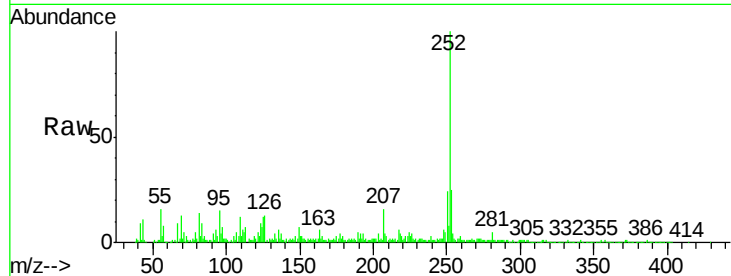
ClientSampleId :

JHGG0RE

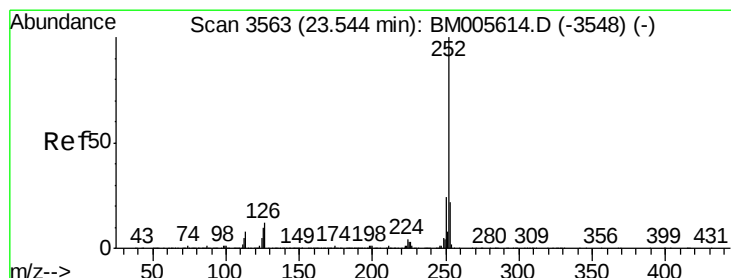
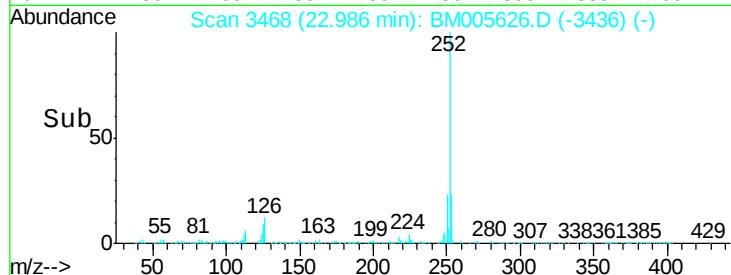
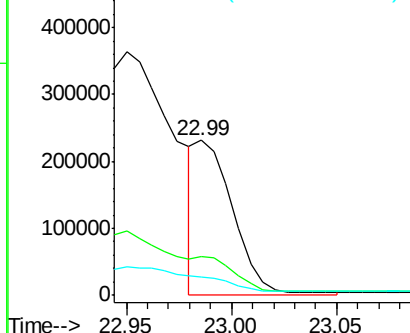
Tgt Ion:	252	Resp:	285998
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.5	26.3
125	12.2	7.0	10.6#

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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: 19.98 ng/ul

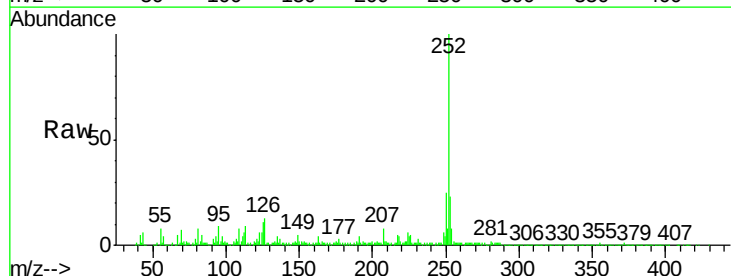
RT: 23.54 min Scan# 3562

Delta R.T. -0.01 min

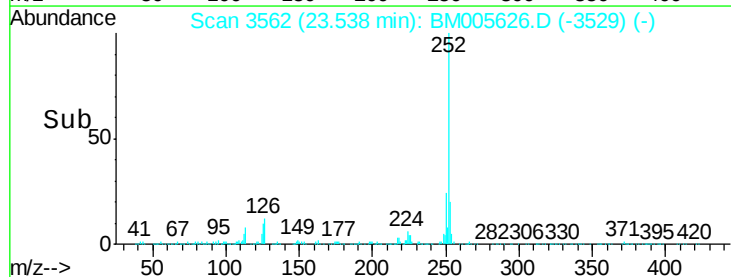
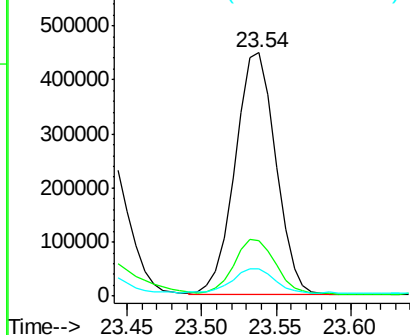
Lab File: BM005626.D

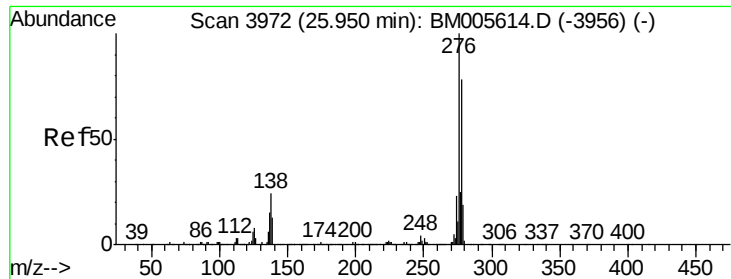
Acq: 24 May 2016 01:52

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





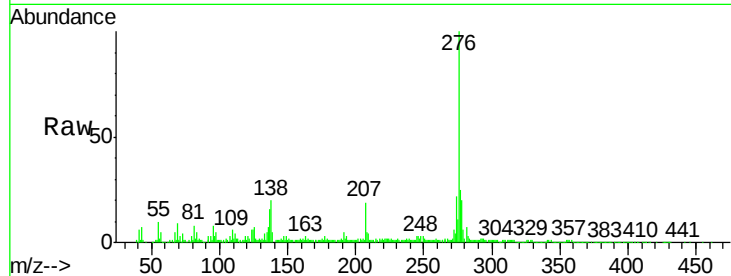
#89
Indeno(1,2,3-cd)pyrene
Concen: 10.54 ng/ul
RT: 25.94 min Scan# 3970
Delta R.T. -0.01 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Instrument :
BNA_M
ClientSampleId :
JHGG0RE

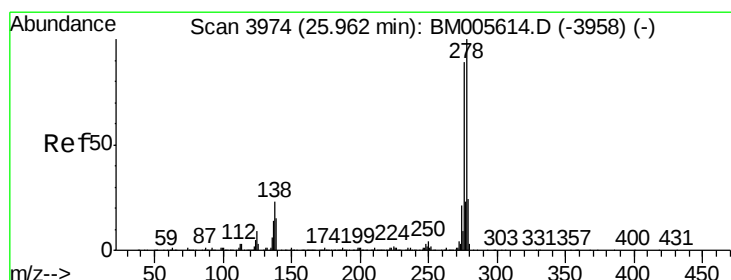
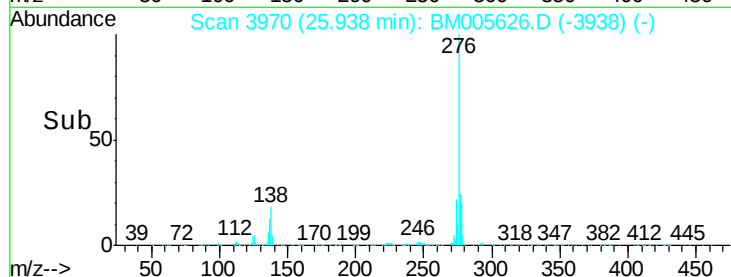
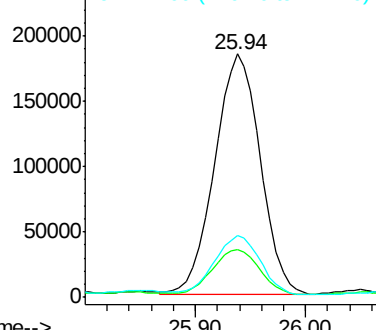
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	19.5	16.9	25.3
277	25.2	20.2	30.4

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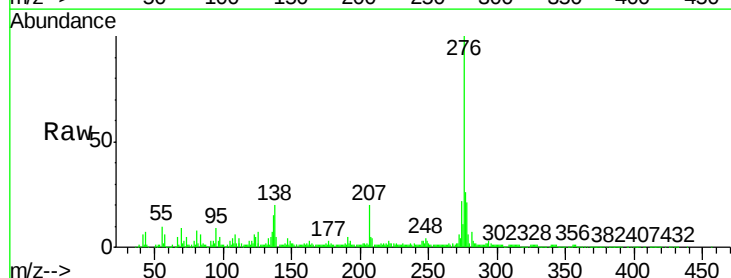


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

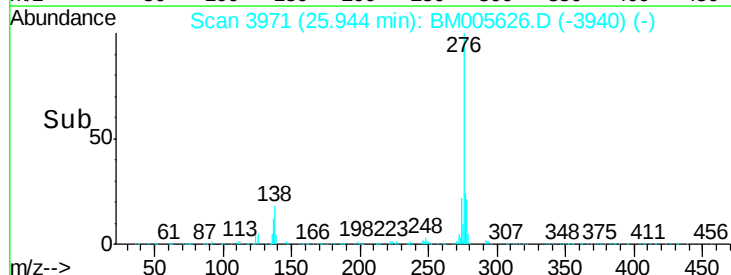
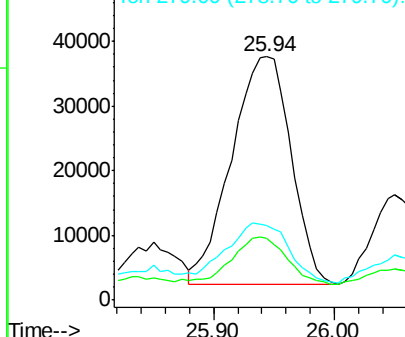


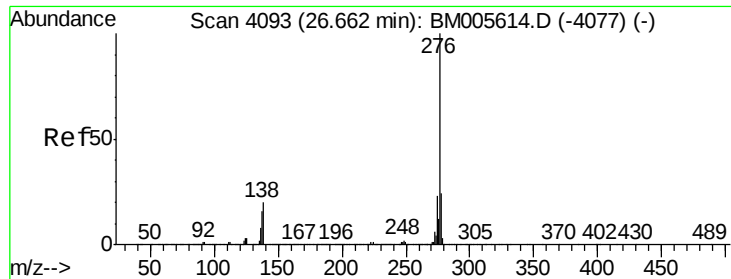
#90
Dibenzo(a,h)anthracene
Concen: 2.89 ng/ul
RT: 25.94 min Scan# 3971
Delta R.T. -0.02 min
Lab File: BM005626.D
Acq: 24 May 2016 01:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	25.2	11.8	17.6#
279	30.5	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





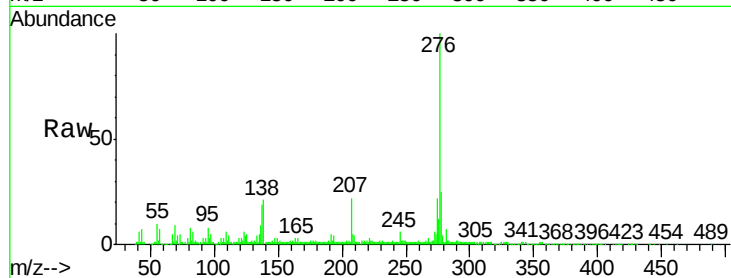
#91
 Benzo(g,h,i)perylene
 Concen: 12.18 ng/ul
 RT: 26.65 min Scan# 4091
 Delta R.T. -0.01 min
 Lab File: BM005626.D
 Acq: 24 May 2016 01:52

Instrument :
 BNA_M
 ClientSampleId :
 JHGG0RE

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

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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

