

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK9DL

Manual Integrations
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Quant Time: May 24 14:13:10 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	7.82	152	128938	20.00	ng/ul	0.01
18) Naphthalene-d8	10.62	136	527987	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.46	164	291743	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.21	188	586138	20.00	ng/ul	0.02
75) Chrysene-d12	21.39	240	456374	20.00	ng/ul	0.03
83) Perylene-d12	23.70	264	495900	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	2608	0.89	ng/uL	0.00
5) Phenol-d5	7.01	99	58995	5.58	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.15	67	47529	7.76	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	47572	5.40	ng/ul	0.02
13) 4-Methylphenol-d8	8.54	113	46157	5.33	ng/ul	0.02
19) Nitrobenzene-d5	8.98	128	22277	5.52	ng/ul	0.02
22) 2-Nitrophenol-d4	9.70	143	19077	4.29	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.25	165	49645	5.93	ng/ul	0.03
29) 4-Chloroaniline-d4	10.75	131	37539	4.48	ng/ul	0.02
43) Dimethylphthalate-d6	13.86	166	121225	5.09	ng/ul	0.02
46) Acenaphthylene-d8	14.16	160	170634	5.73	ng/ul	0.02
51) 4-Nitrophenol-d4	14.70	143	13541m	3.01	ng/ul	0.05
57) Fluorene-d10	15.45	176	116602	5.63	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.54	200	1715	0.51	ng/ul	-0.01
70) Anthracene-d10	17.30	188	169723m	6.08	ng/ul	0.02
76) Pyrene-d10	19.60	212	154017	7.45	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.55	264	126439m	5.46	ng/ul	0.05

Target Compounds

						Qvalue
24) 2,4-Dimethylphenol	9.82	107	10339	1.05	ng/ul#	70
28) Naphthalene	10.66	128	35996	1.36	ng/ul	98
44) Dimethylphthalate	13.91	163	56844	2.42	ng/ul#	93
47) Acenaphthylene	14.19	152	156377	5.17	ng/ul	97
58) Fluorene	15.51	166	44430	1.95	ng/ul#	98
69) Phenanthrene	17.25	178	553983	16.91	ng/ul	97
71) Anthracene	17.34	178	192418m	5.76	ng/ul	
74) Fluoranthene	19.27	202	1272190	34.50	ng/ul	99
77) Pyrene	19.63	202	1451197	55.31	ng/ul	99
80) Benzo(a)anthracene	21.37	228	513998	19.16	ng/ul#	90
82) Chrysene	21.43	228	508022	19.91	ng/ul#	92
85) Benzo(b)fluoranthene	23.00	252	554098	18.94	ng/ul#	68
86) Benzo(k)fluoranthene	23.04	252	173645m	6.27	ng/ul	
88) Benzo(a)pyrene	23.60	252	551965	19.45	ng/ul#	83
89) Indeno(1,2,3-cd)pyrene	26.04	276	345402	10.25	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.04	278	77722	2.77	ng/ul#	26
91) Benzo(g,h,i)perylene	26.76	276	323222	11.41	ng/ul#	87

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

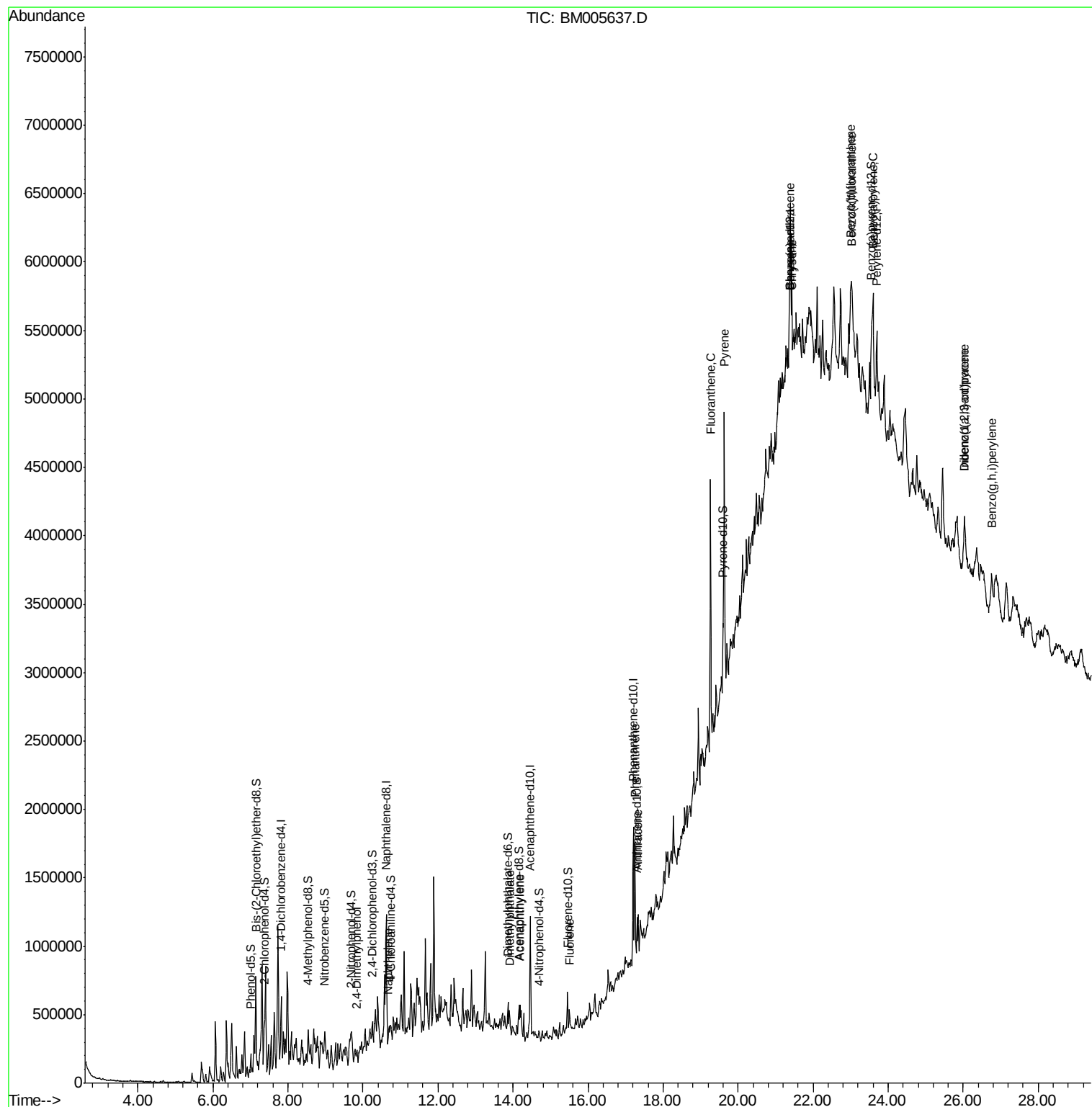
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005637.D
Acq On : 24 May 2016 08:32
Operator : UM/SJ
Sample : H3087-16DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

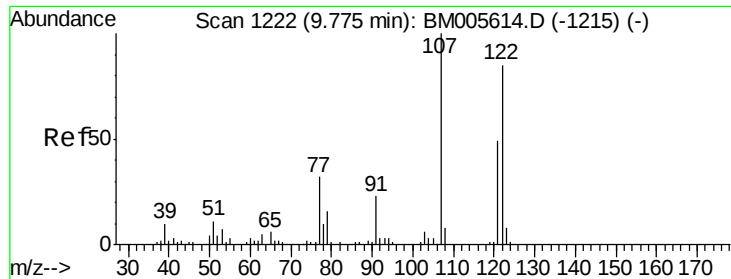
Instrument :
BNA_M
ClientSampleId :
JHGK9DL

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Quant Title : SVOA CALIBRATION
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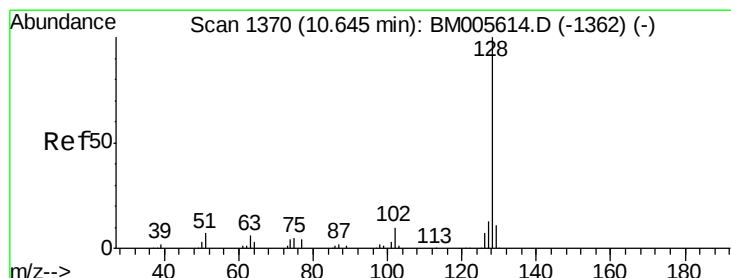
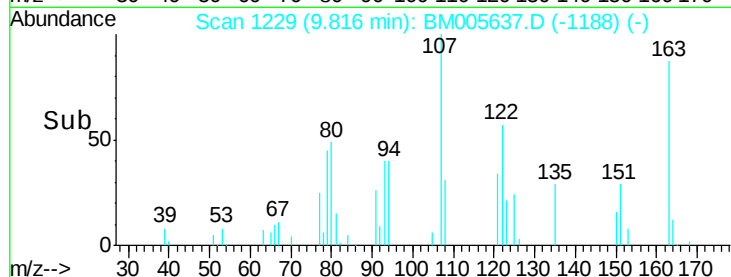
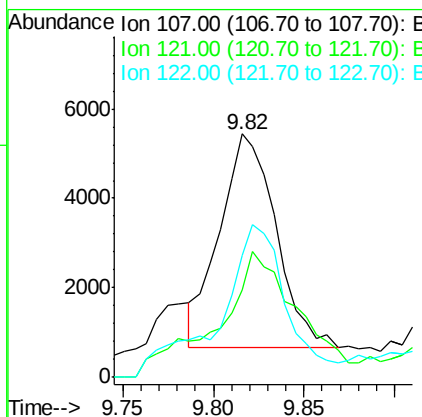
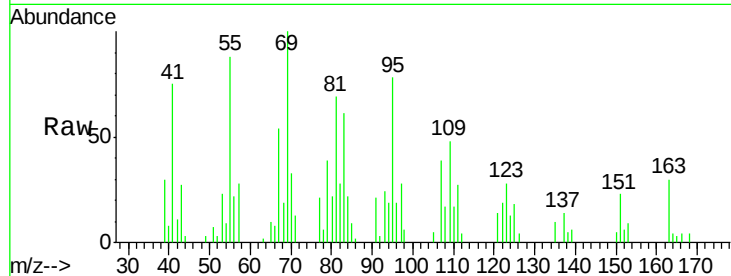
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2,4-Dimethylphenol
Concen: 1.05 ng/ul
RT: 9.82 min Scan# 1229
Delta R.T. 0.04 min
Lab File: BM005637.D
Acq: 24 May 2016 08:32

Instrument :
BNA_M
ClientSampled :
JHGK9DL

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	10339		
121	35.9	37.5	56.3#	
122	50.0	66.9	100.3#	

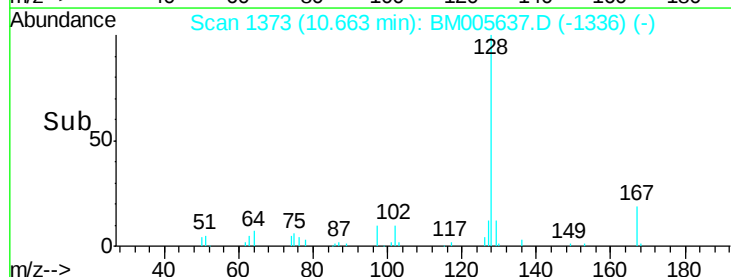
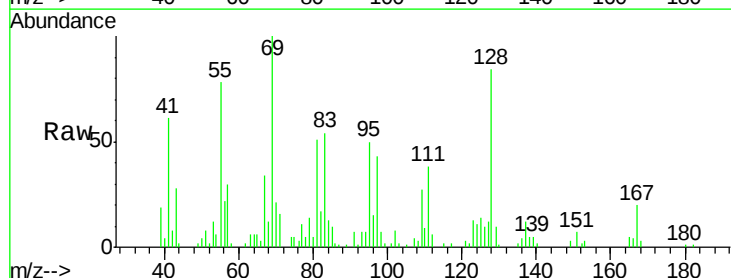
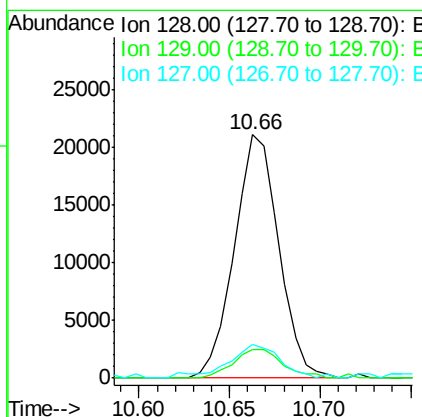
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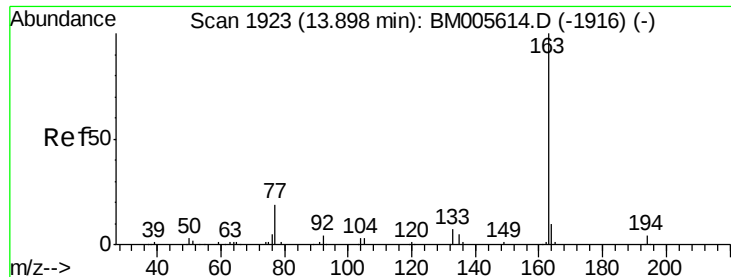
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#28
Naphthalene
Concen: 1.36 ng/ul
RT: 10.66 min Scan# 1373
Delta R.T. 0.02 min
Lab File: BM005637.D
Acq: 24 May 2016 08:32

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	35996		
129	11.7	8.6	13.0	
127	13.8	10.6	15.8	





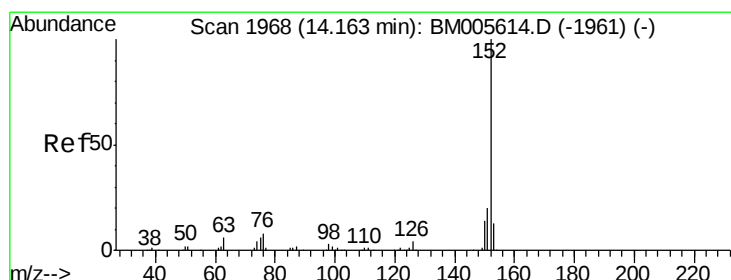
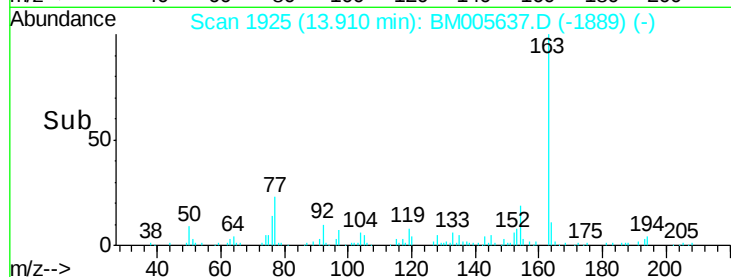
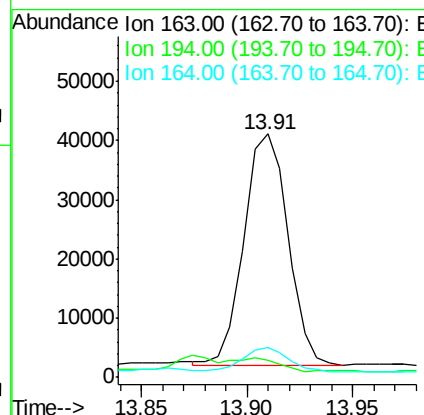
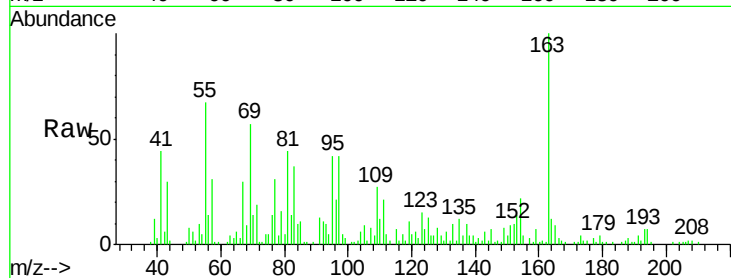
#44
Dimethylphthalate
Concen: 2.42 ng/ul
RT: 13.91 min Scan# 1925
Delta R.T. 0.01 min
Lab File: BM005637.D
Acq: 24 May 2016 08:32

Instrument :
BNA_M
ClientSampleId :
JHGK9DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	56844		
194	6.9	3.4	5.0#	
164	12.4	8.0	12.0#	

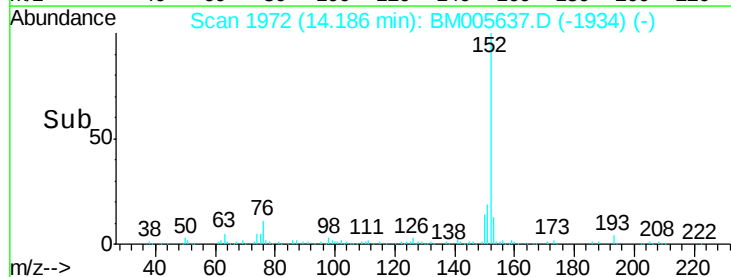
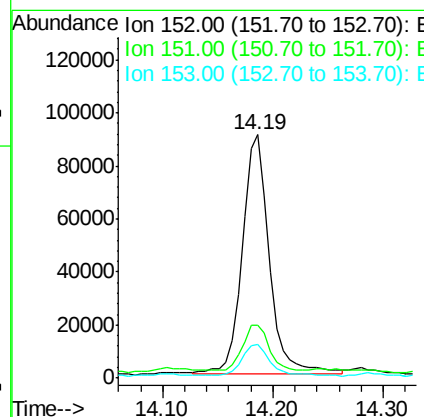
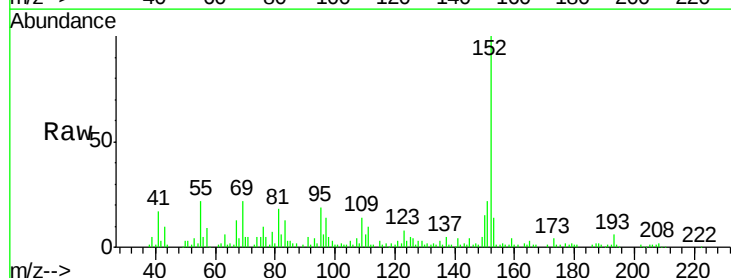
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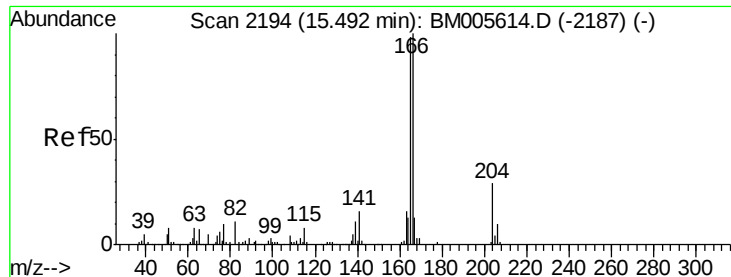
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#47
Acenaphthylene
Concen: 5.17 ng/ul
RT: 14.19 min Scan# 1972
Delta R.T. 0.02 min
Lab File: BM005637.D
Acq: 24 May 2016 08:32

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	156377		
151	21.5	15.7	23.5	
153	13.8	10.5	15.7	





#58

Fluorene

Concen: 1.95 ng/ul

RT: 15.51 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BM005637.D

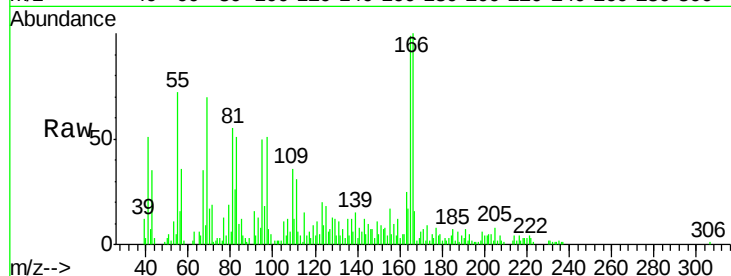
Acq: 24 May 2016 08:32

Instrument :

BNA_M

ClientSampleId :

JHGK9DL



Tgt Ion:166 Resp: 44430

Ion Ratio Lower Upper

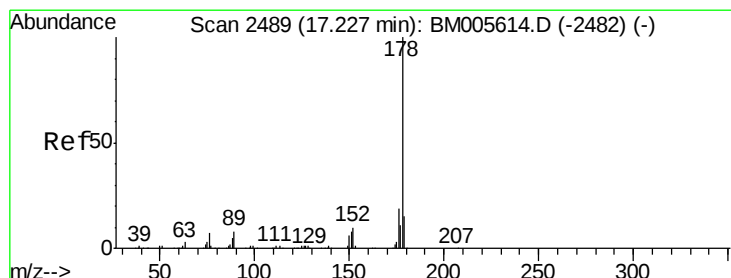
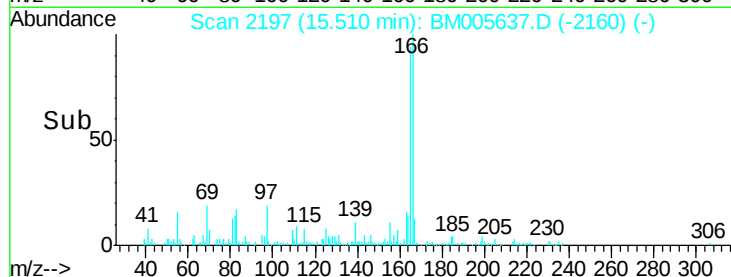
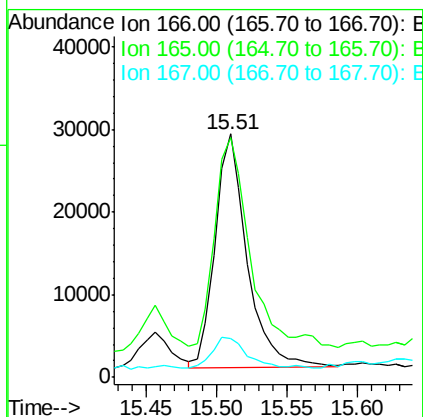
166 100

165 98.5 78.0 117.0

167 15.8 10.5 15.7#

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#69

Phenanthrene

Concen: 16.91 ng/ul

RT: 17.25 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BM005637.D

Acq: 24 May 2016 08:32

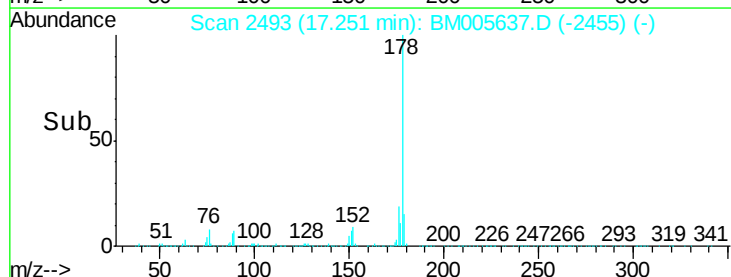
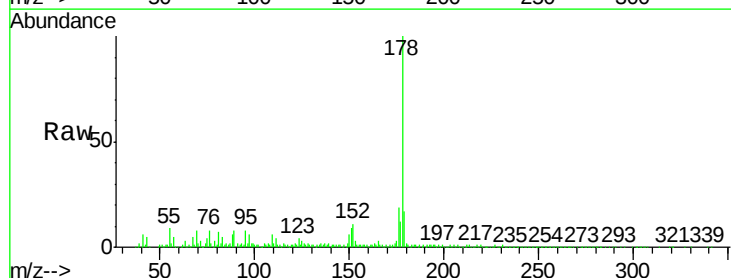
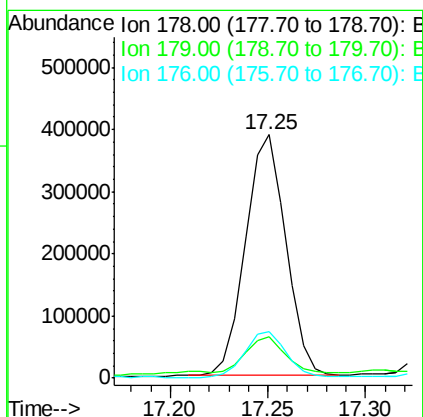
Tgt Ion:178 Resp: 553983

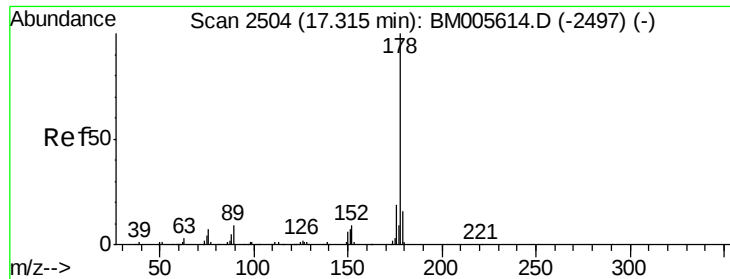
Ion Ratio Lower Upper

178 100

179 16.8 12.2 18.2

176 18.9 15.8 23.6





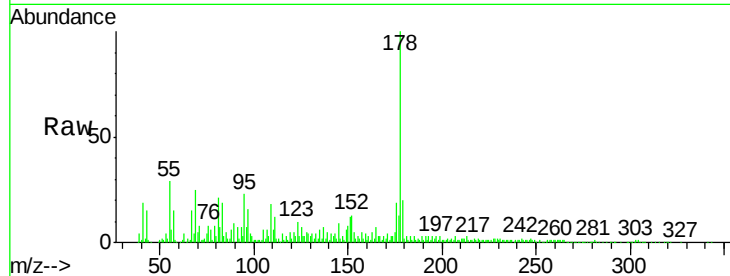
#71
 Anthracene
 Concen: 5.76 ng/ul m
 RT: 17.34 min Scan# 2508
 Delta R.T. 0.02 min
 Lab File: BM005637.D
 Acq: 24 May 2016 08:32

Instrument :
 BNA_M
 ClientSampleId :
 JHGK9DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	192418		
179	19.6	12.6	18.8#	
176	19.1	15.0	22.4	

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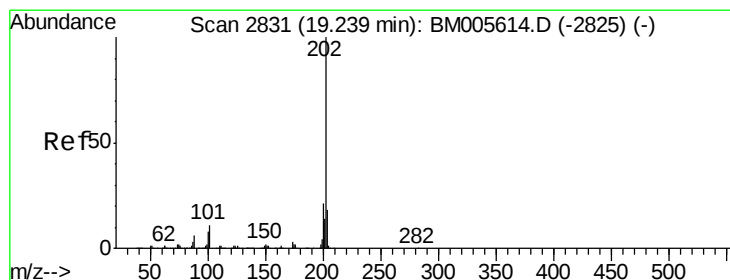
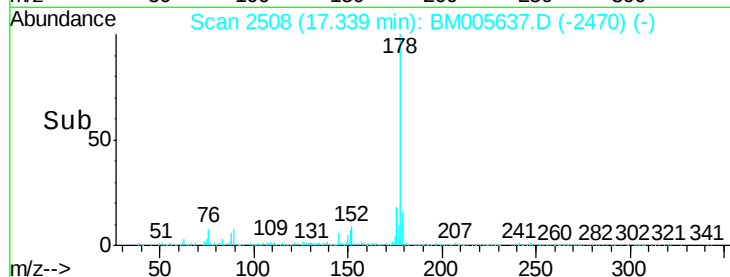
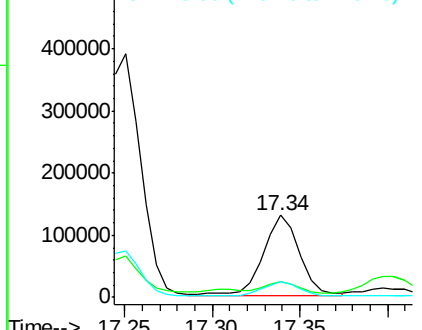


Abundance

Ion 178.00 (177.70 to 178.70): E

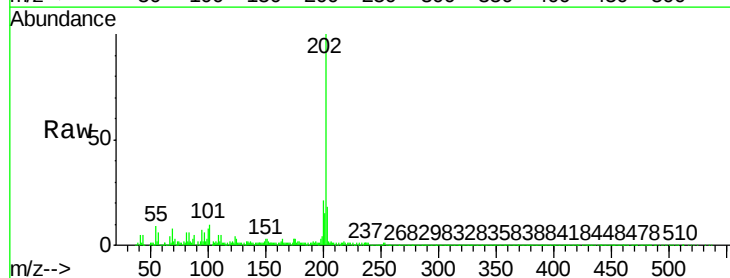
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74
 Fluoranthene
 Concen: 34.50 ng/ul
 RT: 19.27 min Scan# 2836
 Delta R.T. 0.03 min
 Lab File: BM005637.D
 Acq: 24 May 2016 08:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1272190		
101	10.3	7.9	11.9	
100	7.6	5.6	8.4	

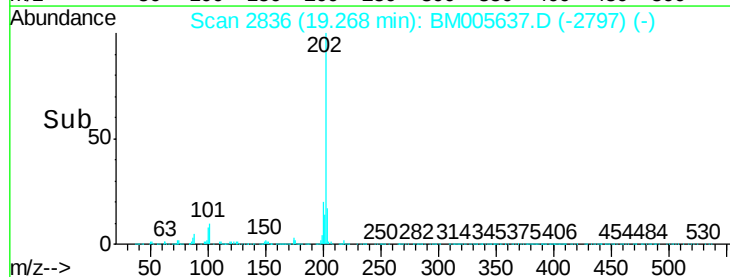
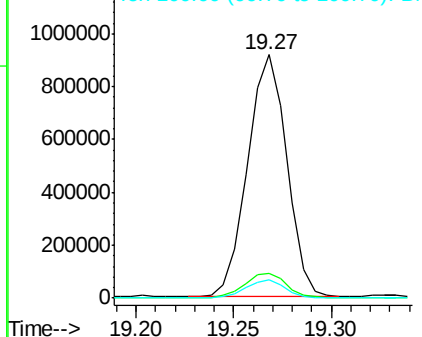


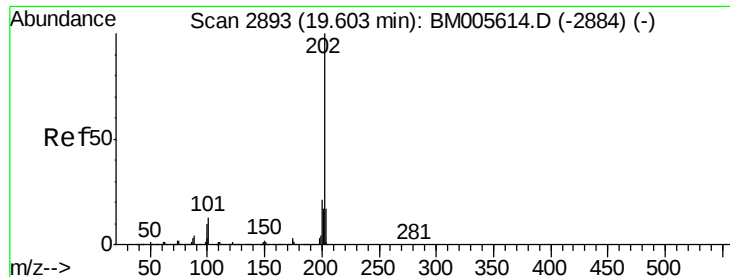
Abundance

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: 55.31 ng/ul

RT: 19.63 min Scan# 2898

Delta R.T. 0.03 min

Lab File: BM005637.D

Acq: 24 May 2016 08:32

Instrument :

BNA_M

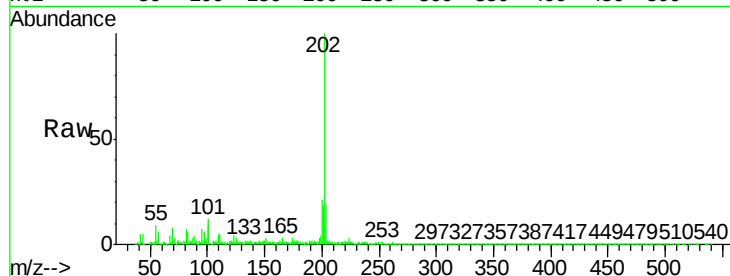
ClientSampleId :

JHKG9DL

Tgt Ion:	202	Resp:	1451197
Ion Ratio	Lower	Upper	
202	100		
101	11.9	9.6	14.4
100	9.1	7.8	11.6

Manual Integrations
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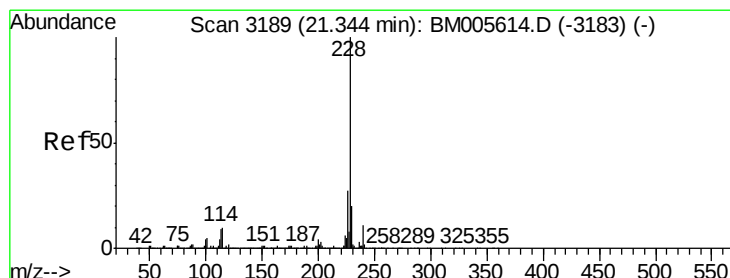
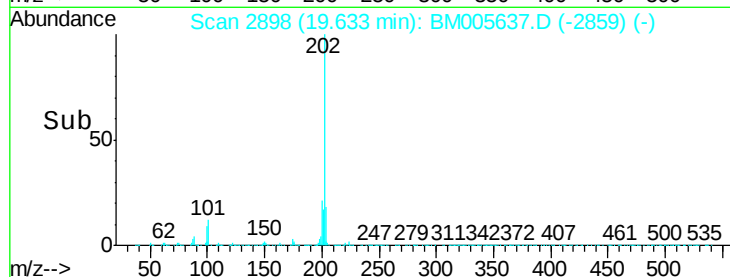
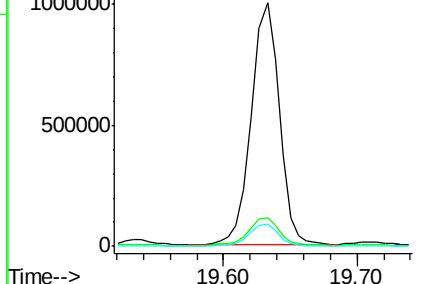
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 19.16 ng/ul

RT: 21.37 min Scan# 3194

Delta R.T. 0.03 min

Lab File: BM005637.D

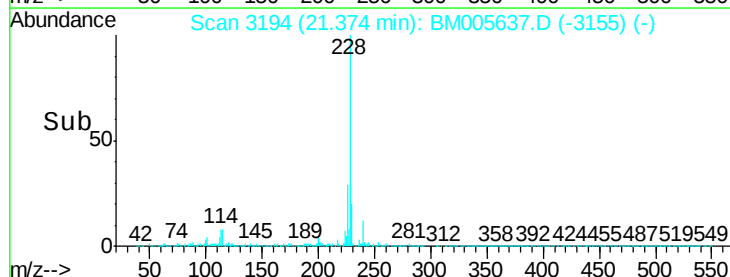
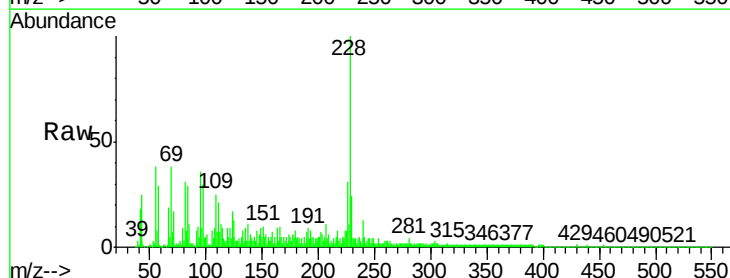
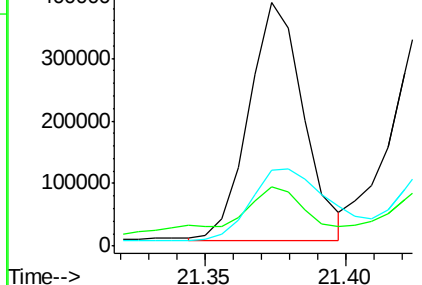
Acq: 24 May 2016 08:32

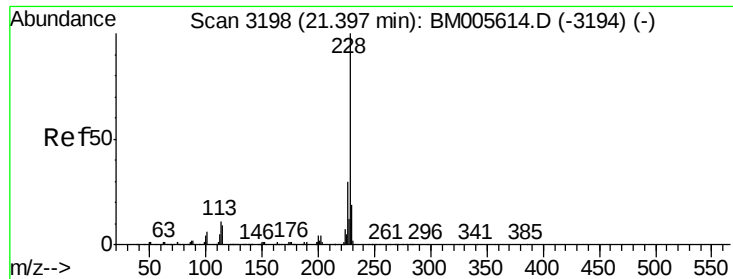
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Ion Ratio	Lower	Upper	
228	100		
229	24.3	15.4	23.2#
226	31.0	21.0	31.4

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





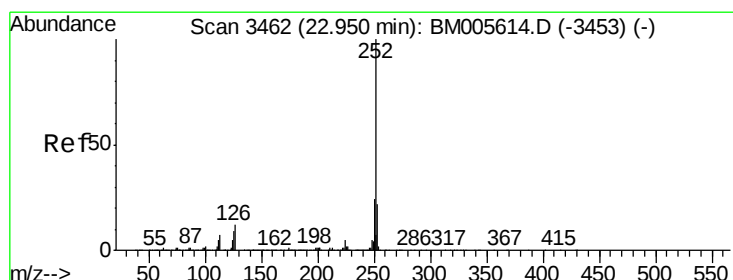
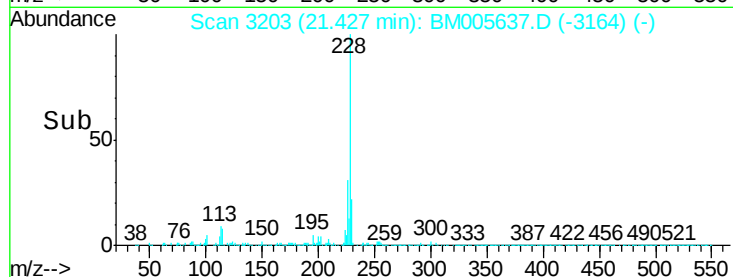
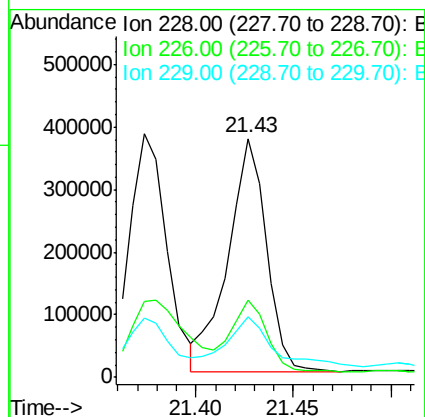
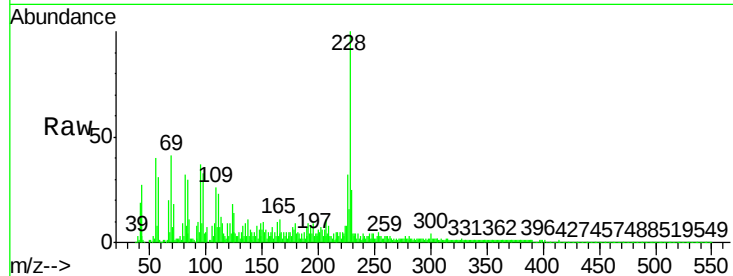
#82
Chrysene
Concen: 19.91 ng/ul
RT: 21.43 min Scan# 3203
Delta R.T. 0.03 min
Lab File: BM005637.D
Acq: 24 May 2016 08:32

Instrument :
BNA_M
ClientSampleID :
JHGK9DL

Tgt Ion:	228	Resp:	508022
Ion Ratio	Lower	Upper	
228	100		
226	32.3	23.7	35.5
229	25.3	15.5	23.3#

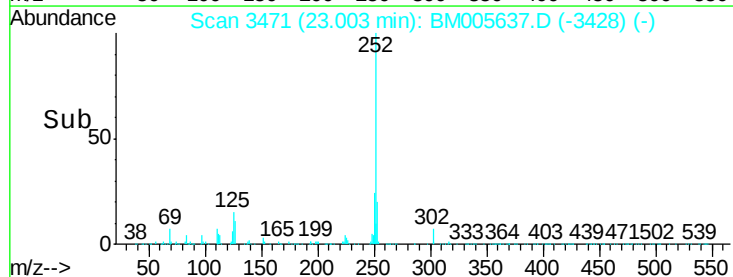
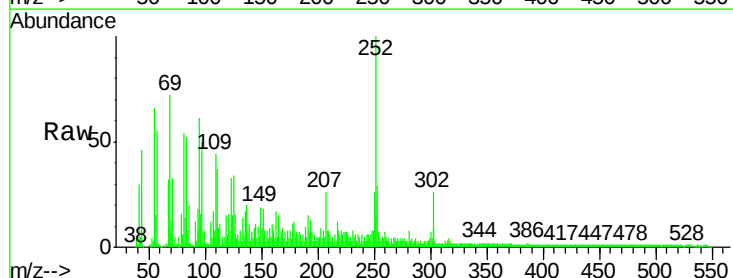
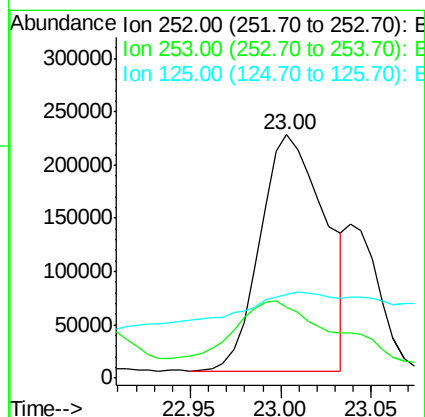
Manual Integrations
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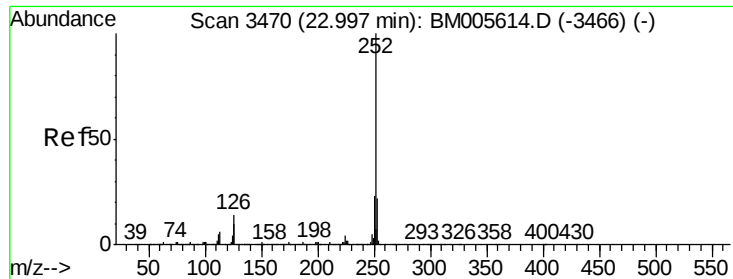
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#85
Benzo(b)fluoranthene
Concen: 18.94 ng/ul
RT: 23.00 min Scan# 3471
Delta R.T. 0.05 min
Lab File: BM005637.D
Acq: 24 May 2016 08:32

Tgt Ion:	252	Resp:	554098
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.3	25.9#
125	34.3	7.0	10.4#





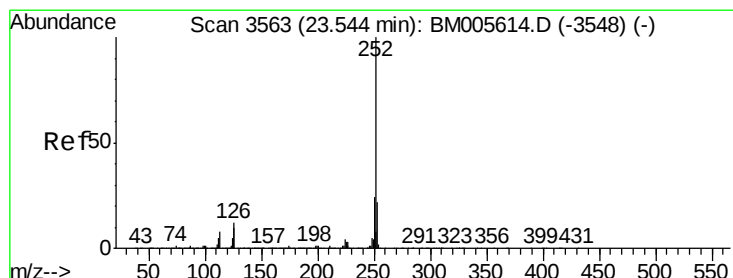
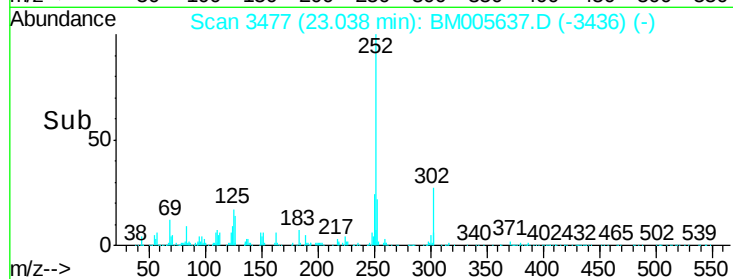
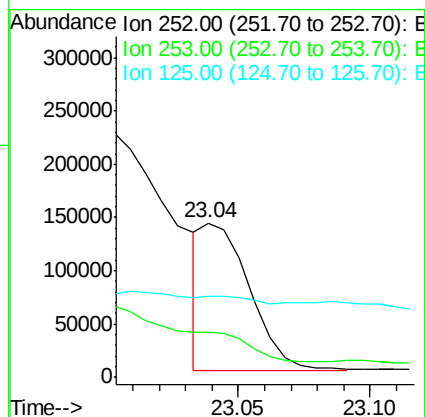
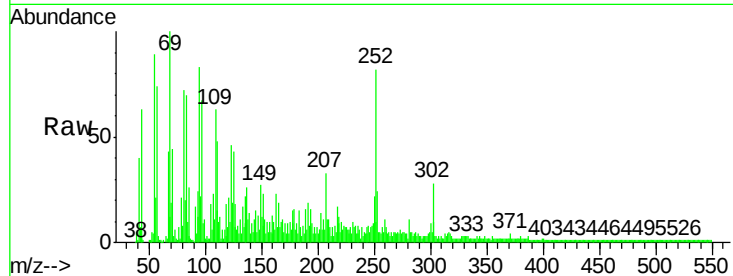
#86
Benzo(k)fluoranthene
Concen: 6.27 ng/ul m
RT: 23.04 min Scan# 3477
Delta R.T. 0.04 min
Lab File: BM005637.D
Acq: 24 May 2016 08:32

Instrument :
BNA_M
ClientSampleId :
JHKG9DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.5	26.3#
125	52.2	7.0	10.6#

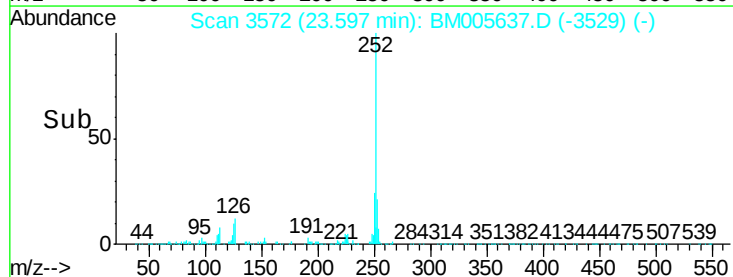
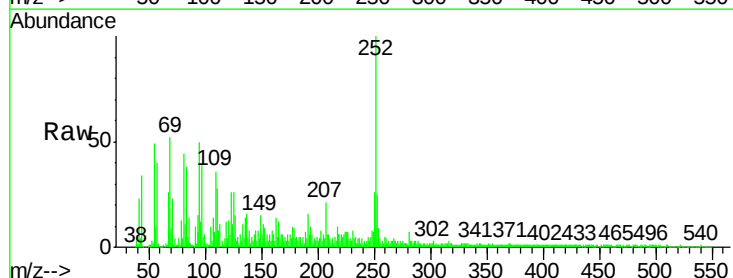
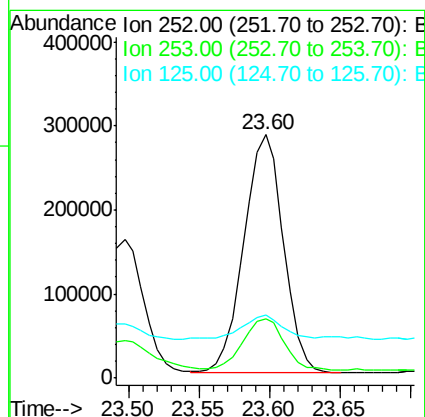
Manual Integrations
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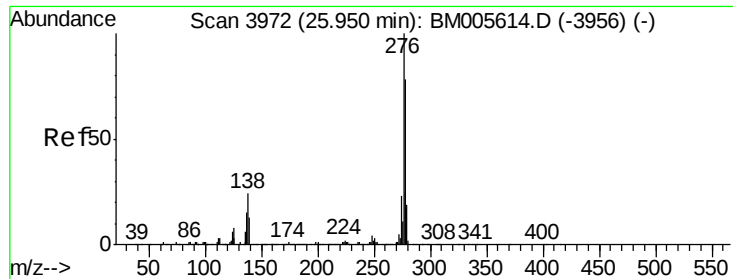
umangi
5/24/2016 7:42:15 PM



#88
Benzo(a)pyrene
Concen: 19.45 ng/ul
RT: 23.60 min Scan# 3572
Delta R.T. 0.05 min
Lab File: BM005637.D
Acq: 24 May 2016 08:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	25.7	7.6	11.4#





#89

Indeno(1,2,3-cd)pyrene

Concen: 10.25 ng/ul

RT: 26.04 min Scan# 3987

Delta R.T. 0.09 min

Lab File: BM005637.D

Acq: 24 May 2016 08:32

Instrument :

BNA_M

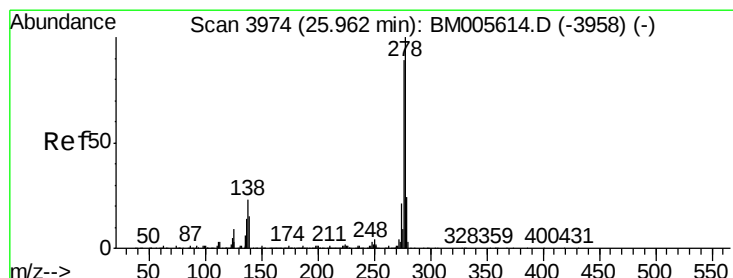
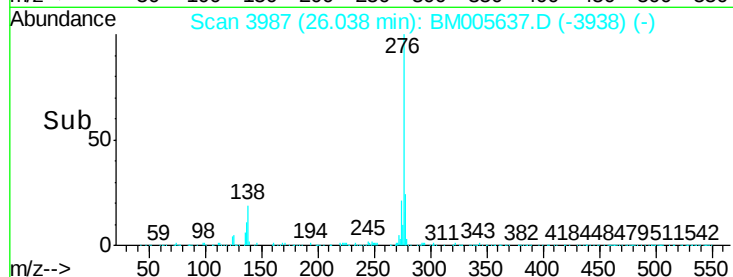
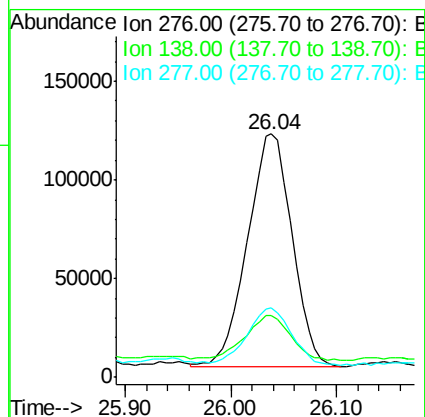
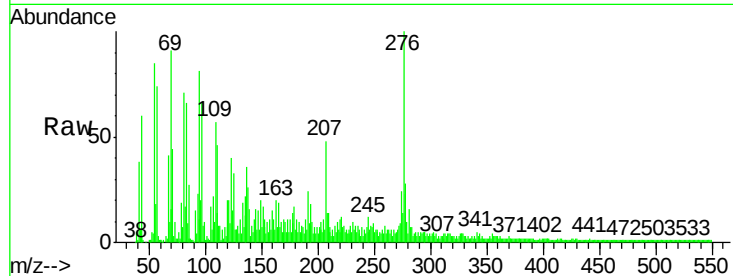
ClientSampleId :

JHKG9DL

Tgt Ion:	276	Resp:	345402
Ion Ratio		Lower	Upper
276	100		
138	25.6	16.9	25.3#
277	28.4	20.2	30.4

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umangi
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#90

Dibenzo(a,h)anthracene

Concen: 2.77 ng/ul

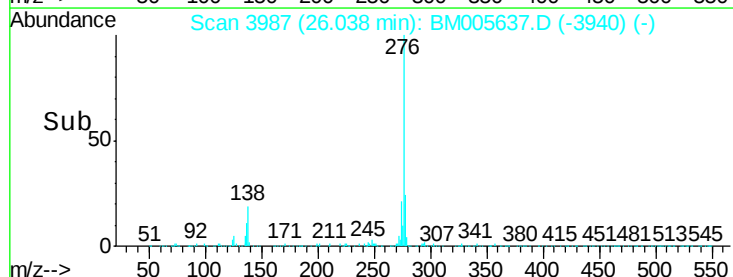
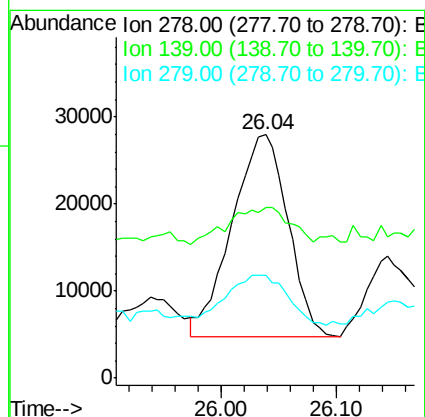
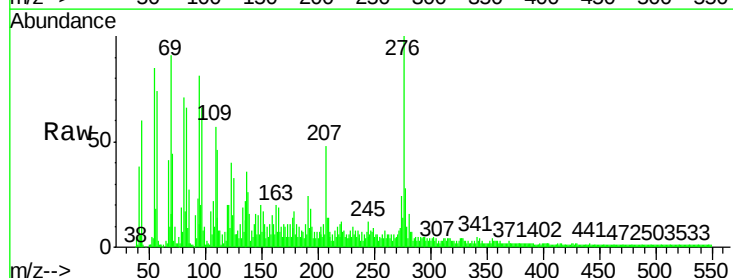
RT: 26.04 min Scan# 3987

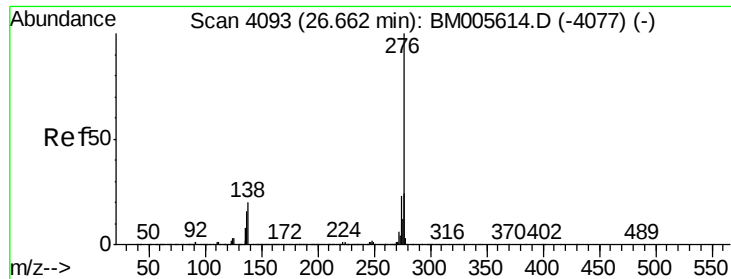
Delta R.T. 0.08 min

Lab File: BM005637.D

Acq: 24 May 2016 08:32

Tgt Ion:	278	Resp:	77722
Ion Ratio		Lower	Upper
278	100		
139	70.3	11.8	17.6#
279	42.5	19.4	29.2#





#91
 Benzo(g,h,i)perylene
 Concen: 11.41 ng/ul
 RT: 26.76 min Scan# 4109
 Delta R.T. 0.09 min
 Lab File: BM005637.D
 Acq: 24 May 2016 08:32

Instrument :
 BNA_M
 ClientSampleId :
 JHGK9DL

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	25.8	15.0	22.6#	
277	28.4	18.6	28.0#	

Manual Integrations
 APPROVED

umangi
 5/24/2016 7:42:15 PM

