

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
 Data File : BM006507.D
 Acq On : 17 Jul 2016 09:21
 Operator : UM/SJ
 Sample : H3959-06 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDJ23

Manual Integrations

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 7/18/2016 7:40:18 PM

Quant Time: Jul 18 08:27:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 18 07:39:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	128533	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	544953	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.27	164	319115	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	710299	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	739394	20.00	ng/ul	0.00
83) Perylene-d12	23.41	264	871904	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	484	0.16	ng/uL	0.00
5) Phenol-d5	6.79	99	22204	2.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	16525	2.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	18724	2.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	17976	2.15	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	8730	2.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	8408	1.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	17623	2.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	13166	1.43	ng/ul	0.01
43) Dimethylphthalate-d6	13.68	166	63337	2.43	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	78176	2.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	3945	0.87	ng/ul	0.01
57) Fluorene-d10	15.26	176	62748	2.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	2038	0.50	ng/ul	0.01
70) Anthracene-d10	17.12	188	92911	2.77	ng/ul	0.00
76) Pyrene-d10	19.42	212	100976	3.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.27	264	109952	2.76	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.47	128	18321543	662.38 ng/ul	97
34) 2-Methylnaphthalene	12.06	142	1205529	57.84 ng/ul	100
40) 1,1'-Biphenyl	13.09	154	432953	16.45 ng/ul	98
44) Dimethylphthalate	13.72	163	76110	2.87 ng/ul	98
47) Acenaphthylene	13.99	152	207550	6.17 ng/ul#	97
49) Acenaphthene	14.33	153	2090490	96.62 ng/ul	99
53) Dibenzofuran	14.67	168	1694468	53.80 ng/ul	96
58) Fluorene	15.32	166	1646226	65.34 ng/ul	99
69) Phenanthrene	17.07	178	6123131	156.77 ng/ul	98
71) Anthracene	17.15	178	2643322	65.80 ng/ul	99
72) Carbazole	17.42	167	520682	15.33 ng/ul	99
74) Fluoranthene	19.09	202	5568369m	122.68 ng/ul	
77) Pyrene	19.45	202	4658022	105.51 ng/ul	94
80) Benzo(a)anthracene	21.20	228	2412733	53.46 ng/ul	96
82) Chrysene	21.26	228	2239637	52.71 ng/ul	97
85) Benzo(b)fluoranthene	22.76	252	2665283	51.15 ng/ul	99
86) Benzo(k)fluoranthene	22.80	252	1034813m	21.11 ng/ul	
88) Benzo(a)pyrene	23.32	252	2073811	41.55 ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.61	276	1326272	22.84 ng/ul	96
90) Dibenzo(a,h)anthracene	25.61	278	372272m	7.71 ng/ul	
91) Benzo(g,h,i)perylene	26.29	276	1134780	22.11 ng/ul	98

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

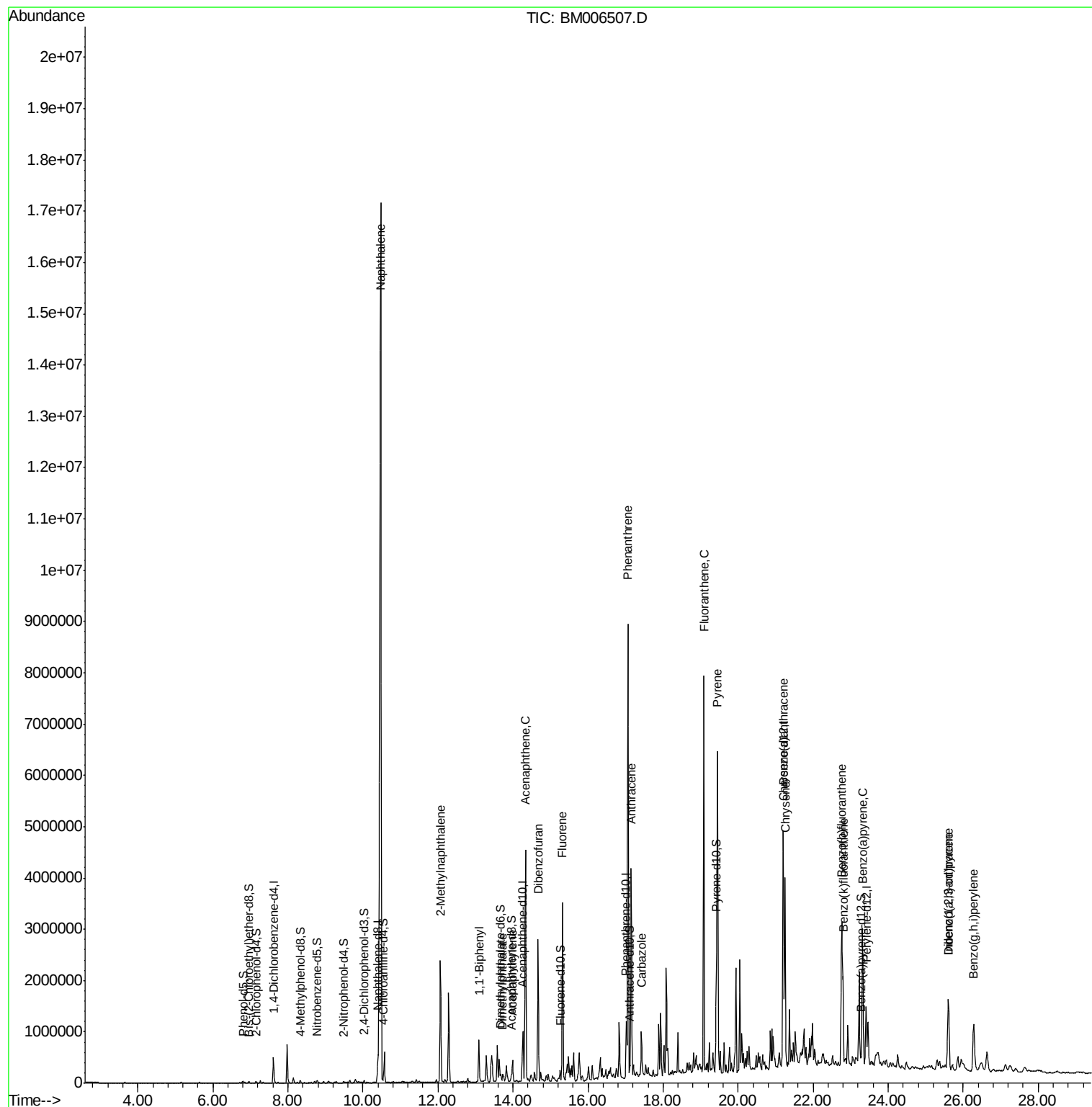
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
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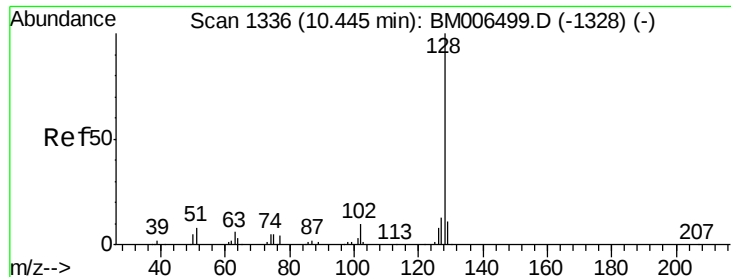
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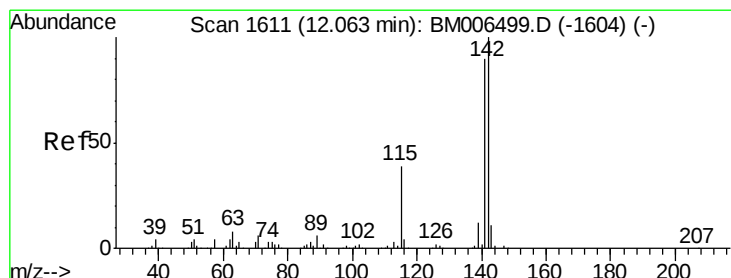
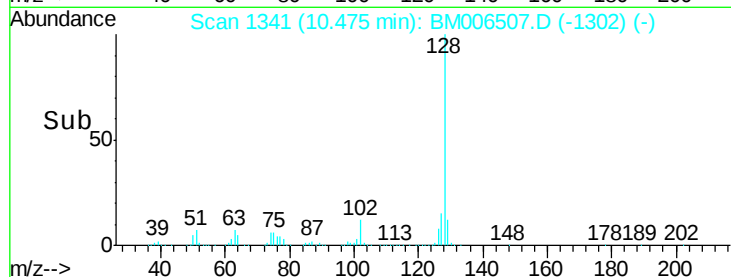
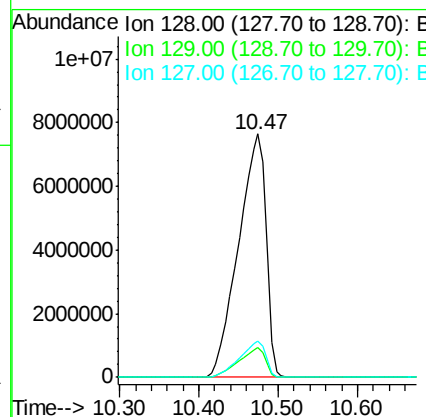
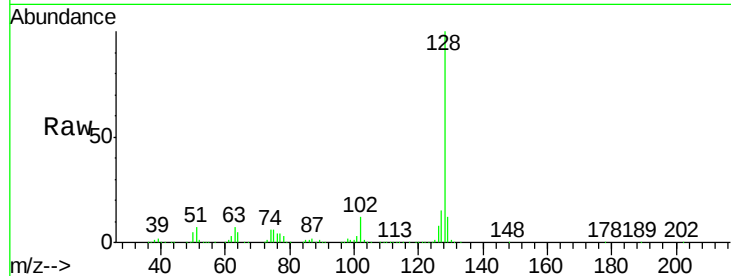
#28
Naphthalene
Concen: 662.38 ng/ul
RT: 10.47 min Scan# 1341
Delta R.T. 0.03 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
BNA_M
ClientSampleId :
BDJ23

Tgt Ion:128 Resp:18321543
Ion Ratio Lower Upper
128 100
129 12.1 8.6 13.0
127 14.8 10.9 16.3

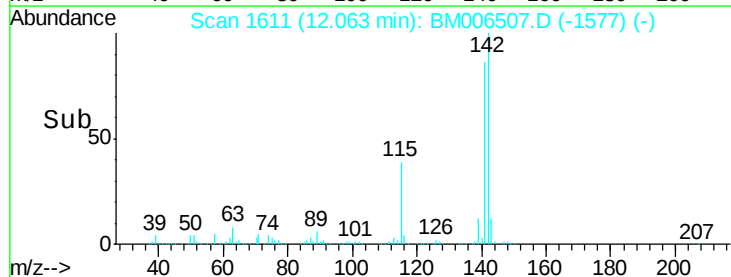
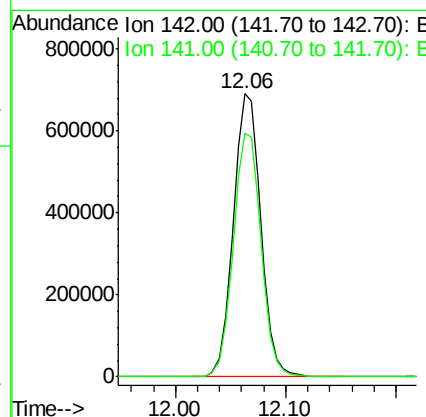
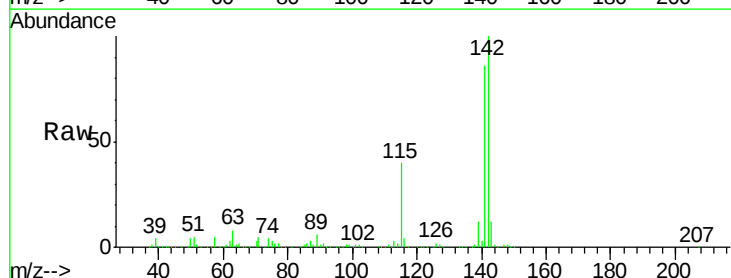
Manual Integrations

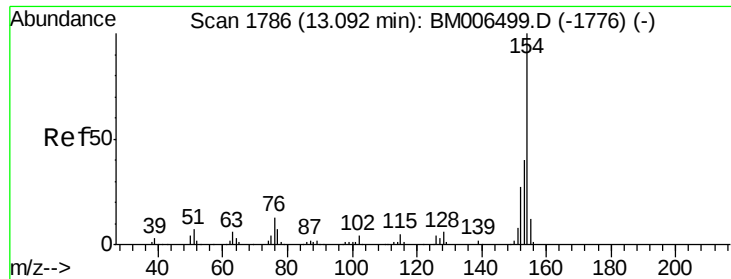
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#34
2-Methylnaphthalene
Concen: 57.84 ng/ul
RT: 12.06 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:142 Resp: 1205529
Ion Ratio Lower Upper
142 100
141 86.2 69.0 103.4





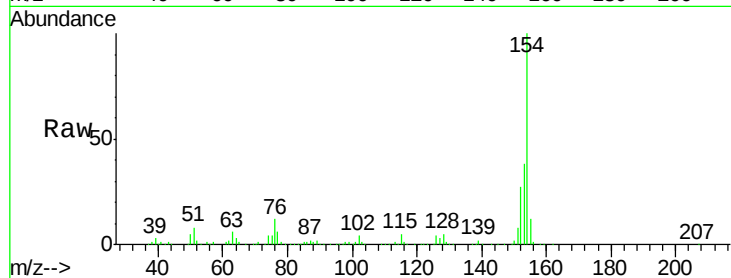
#40
 1,1'-Biphenyl
 Concen: 16.45 ng/ul
 RT: 13.09 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BM006507.D
 Acq: 17 Jul 2016 09:21

Instrument :
 BNA_M
 ClientSampleId :
 BDJ23

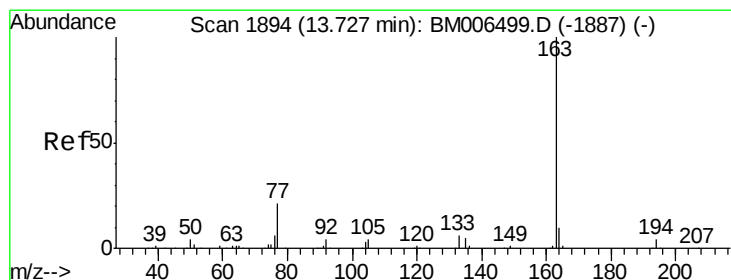
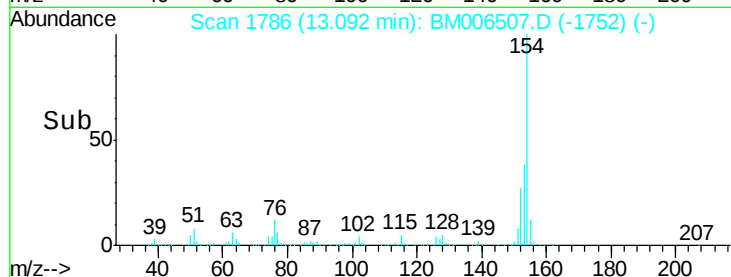
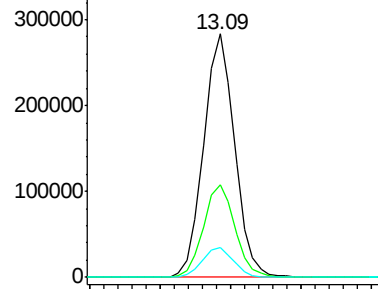
Tgt Ion:	154	Resp:	432953
Ion Ratio	Lower	Upper	
154	100		
153	37.9	31.4	47.2
76	12.2	10.4	15.6

Manual Integrations

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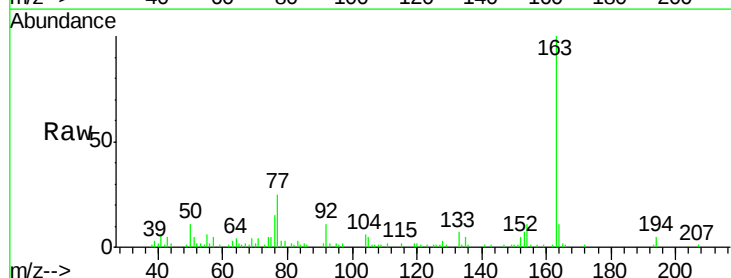


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

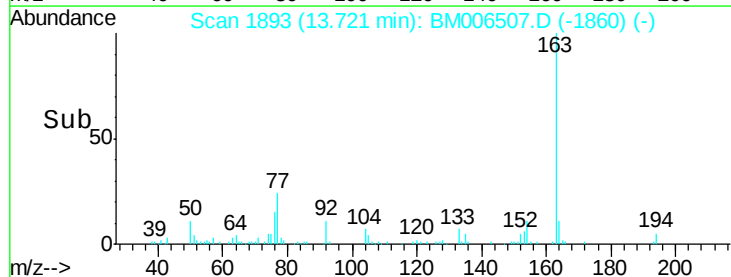
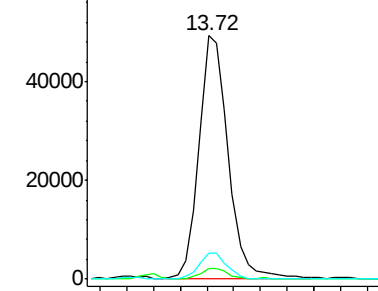


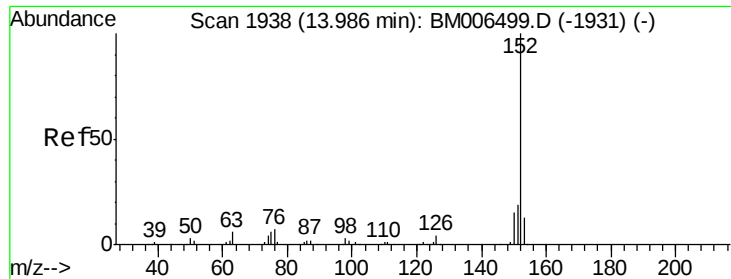
#44
 Dimethylphthalate
 Concen: 2.87 ng/ul
 RT: 13.72 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: BM006507.D
 Acq: 17 Jul 2016 09:21

Tgt Ion:	163	Resp:	76110
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.0
164	10.6	7.8	11.8



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





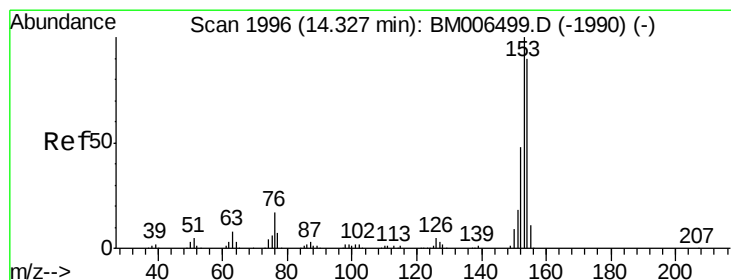
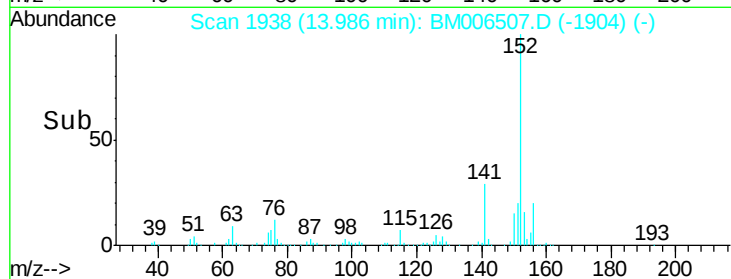
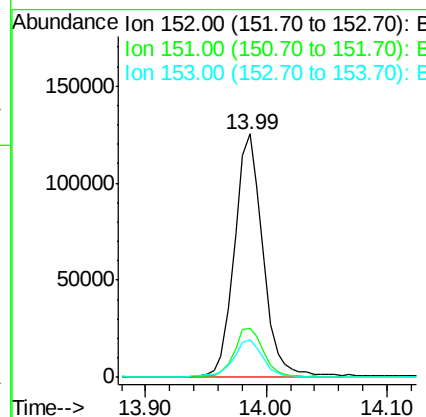
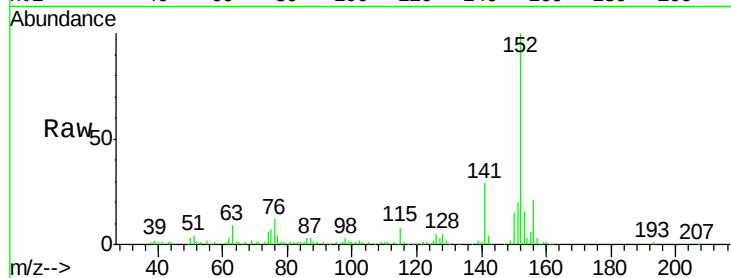
#47
Acenaphthylene
Concen: 6.17 ng/ul
RT: 13.99 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Instrument :
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BDJ23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.6	23.4
153	15.5	10.3	15.5#

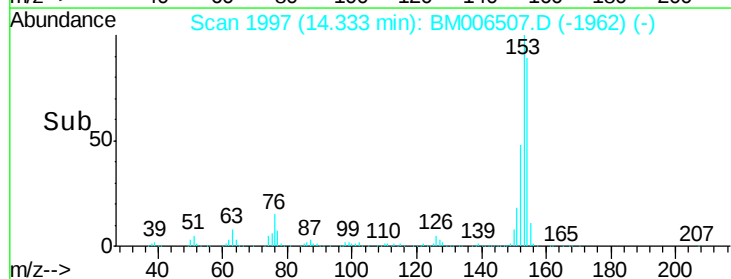
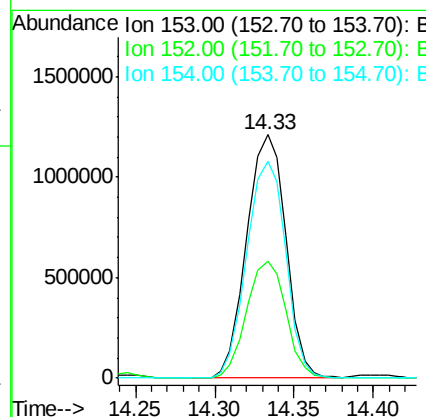
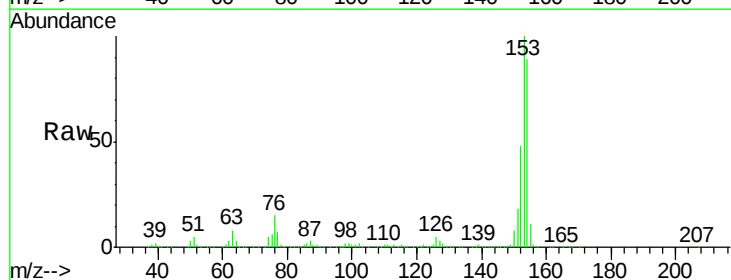
Manual Integrations

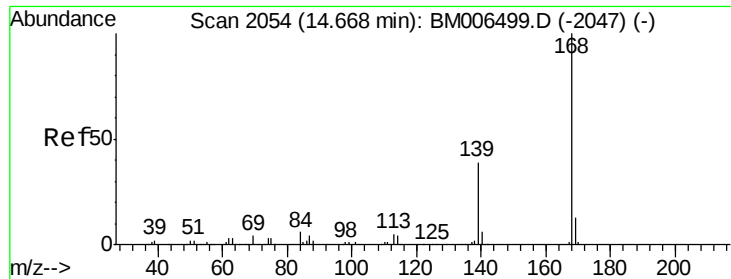
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#49
Acenaphthene
Concen: 96.62 ng/ul
RT: 14.33 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.0	37.7	56.5
154	88.8	70.0	105.0





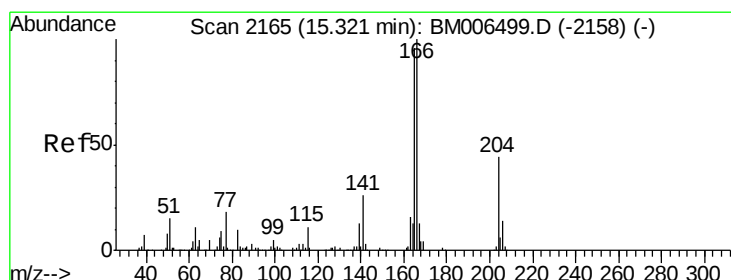
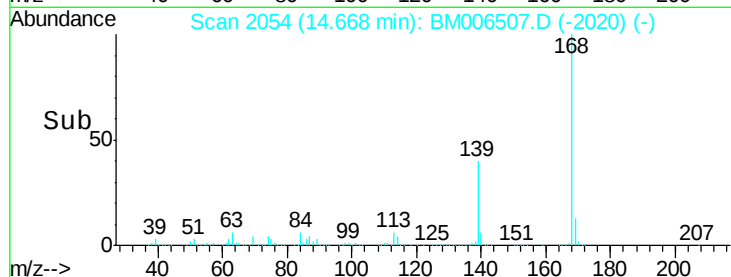
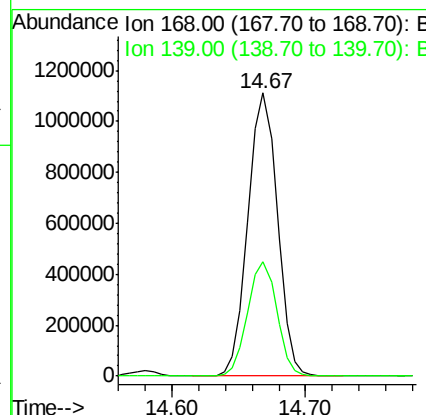
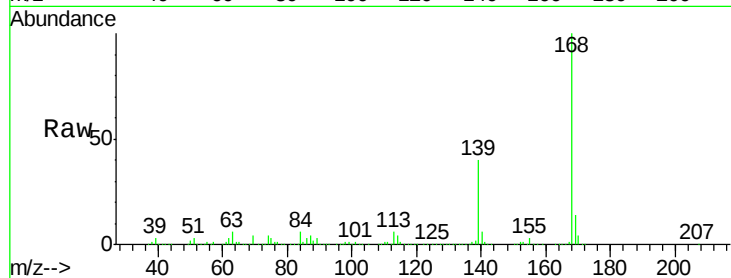
#53
Dibenzo(f,h)quinoxaline
Concen: 53.80 ng/ul
RT: 14.67 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

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Tgt Ion:168 Resp: 1694468
Ion Ratio Lower Upper
168 100
139 40.5 30.6 46.0

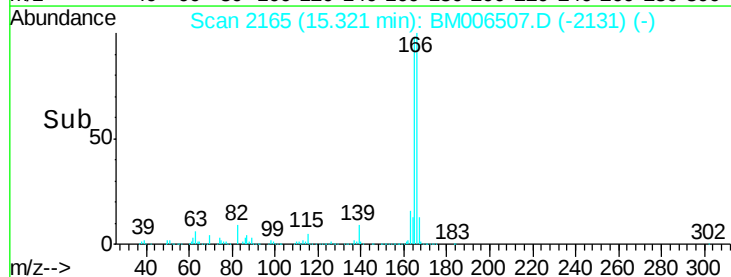
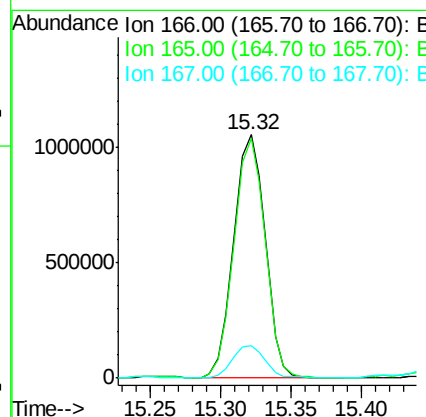
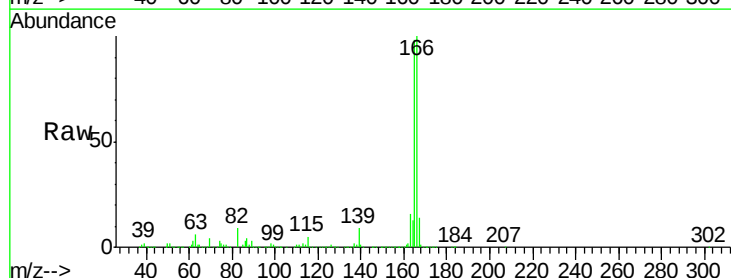
Manual Integrations

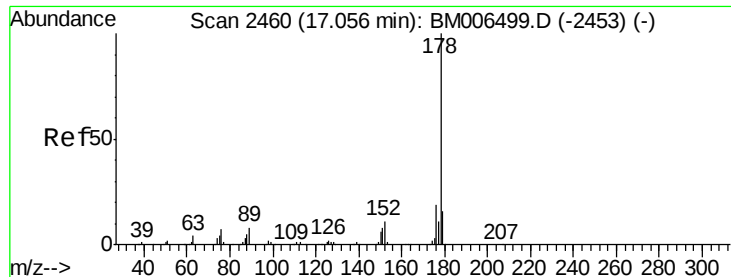
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#58
Fluorene
Concen: 65.34 ng/ul
RT: 15.32 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BM006507.D
Acq: 17 Jul 2016 09:21

Tgt Ion:166 Resp: 1646226
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.5 10.8 16.2





#69

Phenanthrene

Concen: 156.77 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006507.D

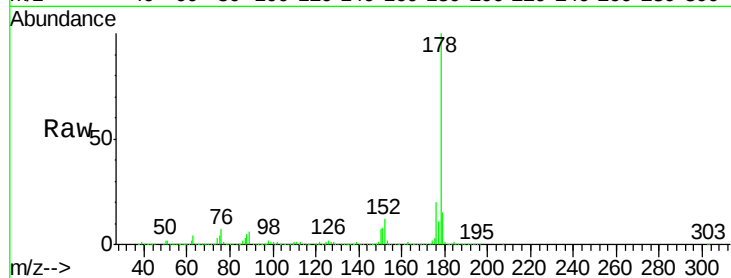
Acq: 17 Jul 2016 09:21

Instrument :

BNA_M

ClientSampleId :

BDJ23



Tgt Ion:178 Resp: 6123131

Ion Ratio Lower Upper

178 100

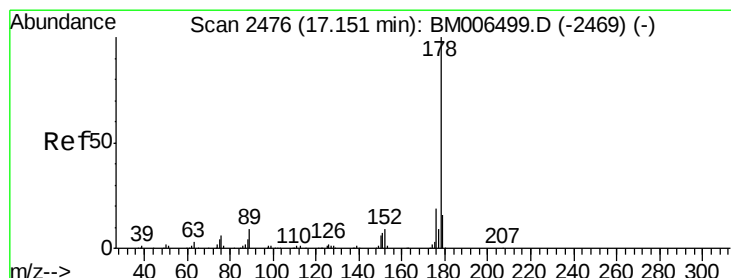
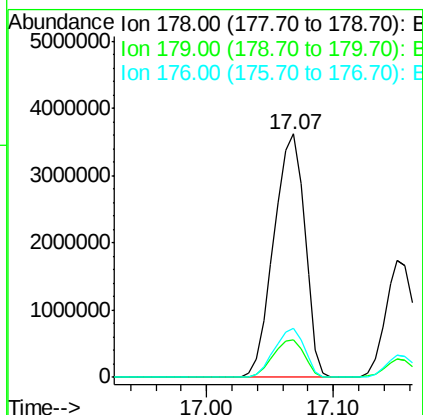
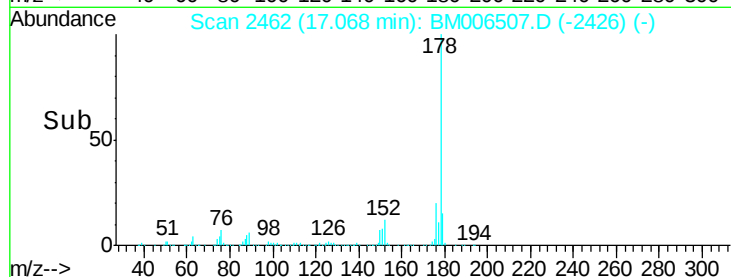
179 15.4 11.9 17.9

176 20.0 15.2 22.8

Manual Integrations

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#71

Anthracene

Concen: 65.80 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.00 min

Lab File: BM006507.D

Acq: 17 Jul 2016 09:21

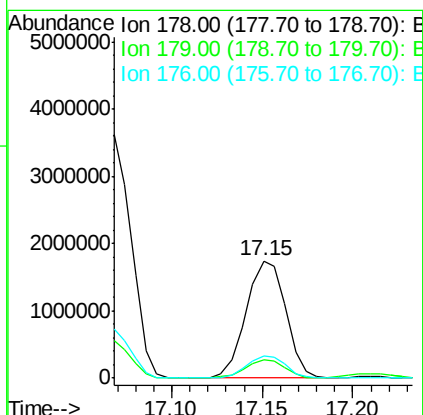
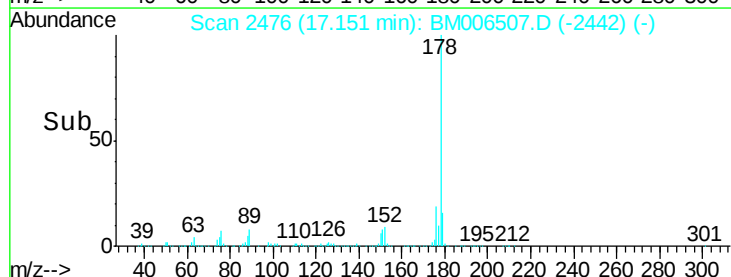
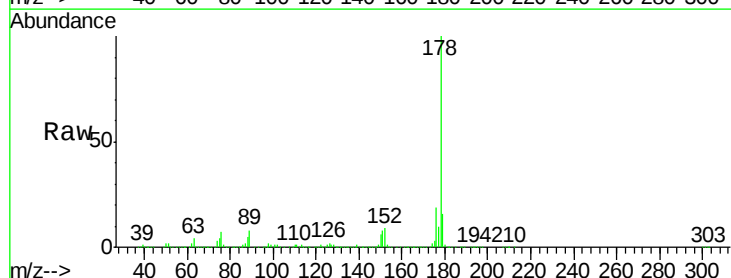
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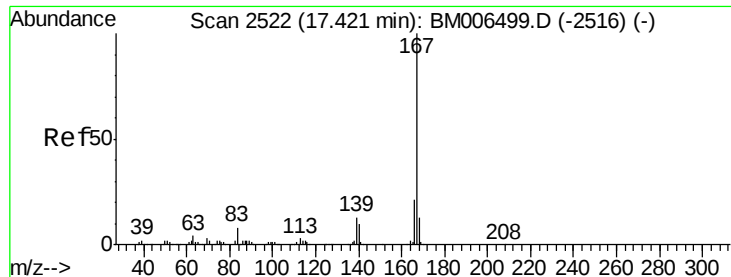
Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

176 19.2 15.0 22.6





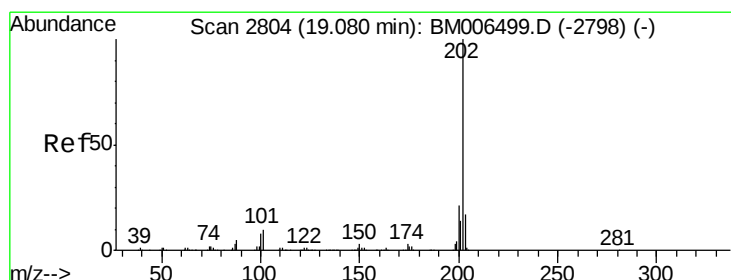
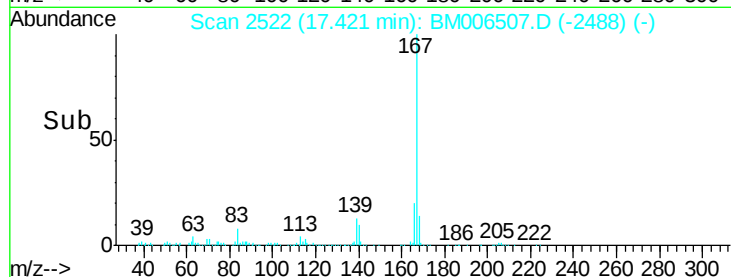
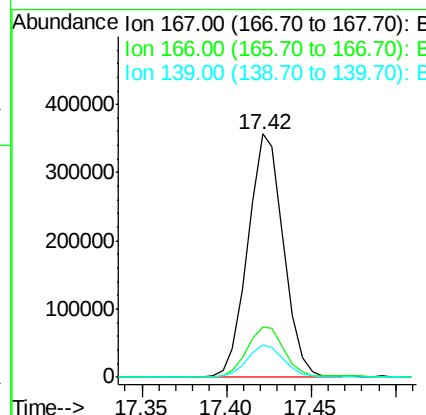
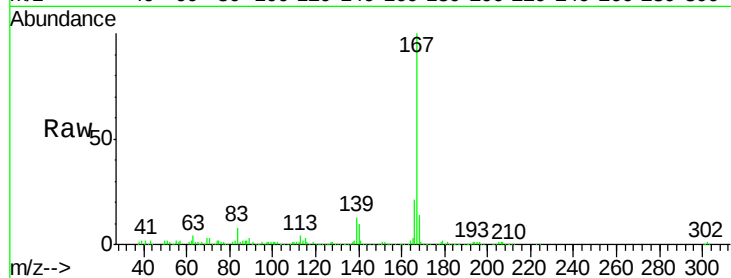
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 Carbazole
 Concen: 15.33 ng/ul
 RT: 17.42 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: BM006507.D
 Acq: 17 Jul 2016 09:21

Instrument :
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Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.0	25.6
139	13.2	10.2	15.4

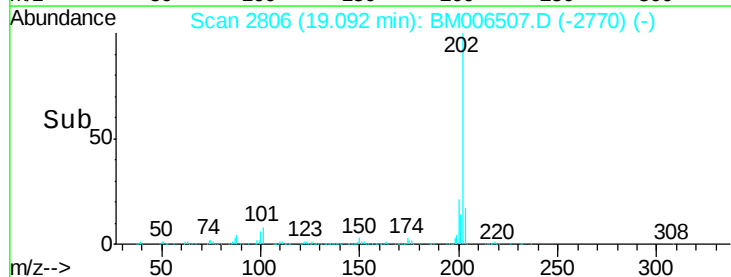
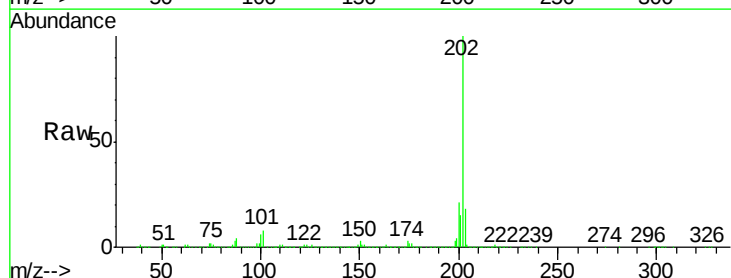
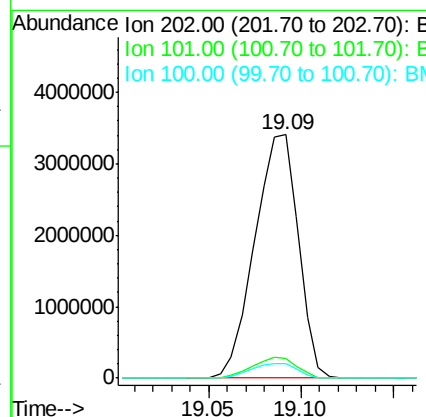
Manual Integrations

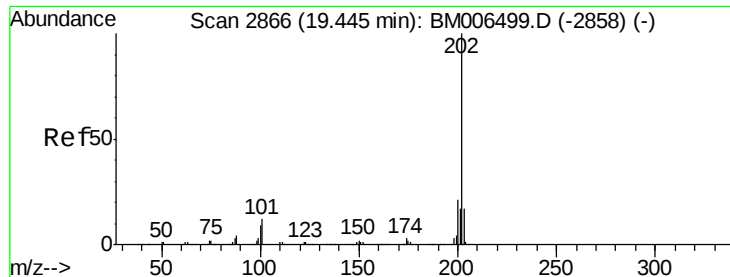
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#74
 Fluoranthene
 Concen: 122.68 ng/ul m
 RT: 19.09 min Scan# 2806
 Delta R.T. 0.01 min
 Lab File: BM006507.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	8.6	12.8#
100	6.2	6.4	9.6#





#77

Pyrene

Concen: 105.51 ng/ul

RT: 19.45 min Scan# 2867

Delta R.T. 0.01 min

Lab File: BM006507.D

Acq: 17 Jul 2016 09:21

Instrument :

BNA_M

ClientSampleId :

BDJ23

Tgt Ion:202 Resp: 4658022

Ion Ratio Lower Upper

202 100

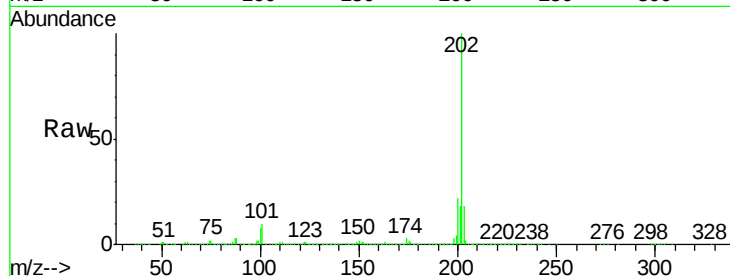
101 10.2 10.0 15.0

100 8.0 7.9 11.9

Manual Integrations

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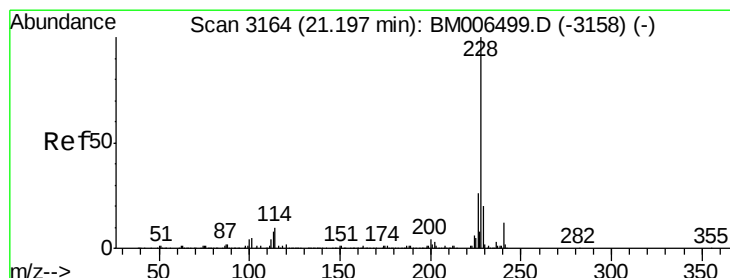
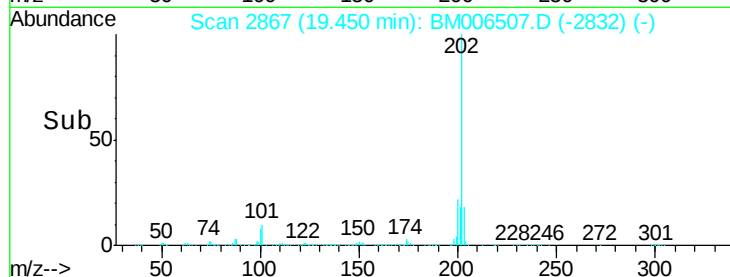
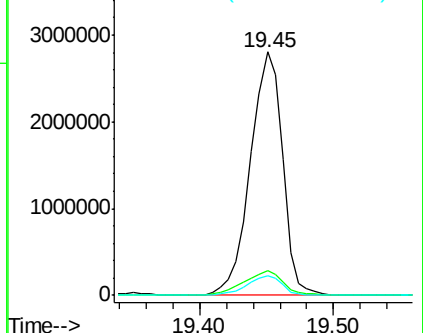
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 53.46 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BM006507.D

Acq: 17 Jul 2016 09:21

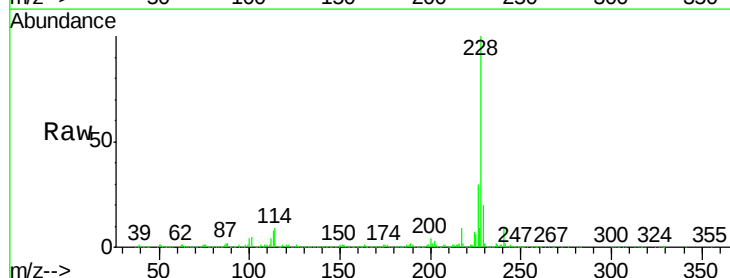
Tgt Ion:228 Resp: 2412733

Ion Ratio Lower Upper

228 100

229 19.9 15.6 23.4

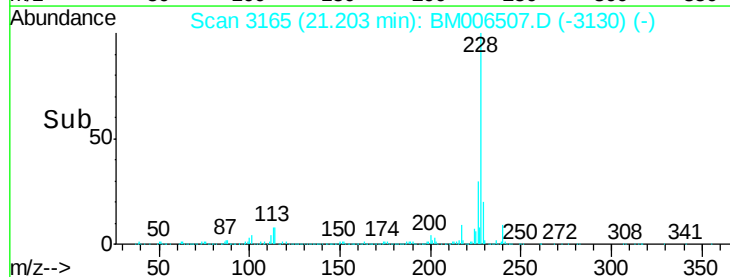
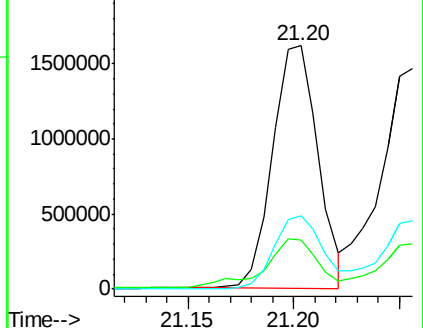
226 29.9 21.4 32.2

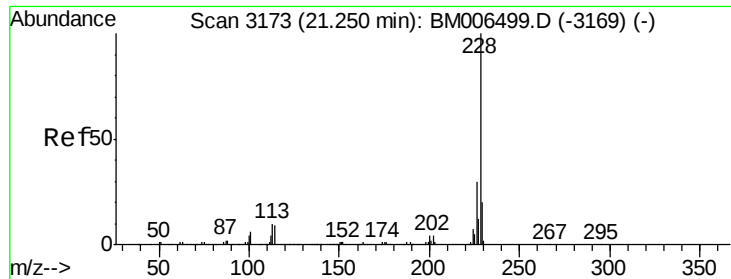


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 52.71 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BM006507.D

Acq: 17 Jul 2016 09:21

Instrument :

BNA_M

ClientSampleId :

BDJ23

Tgt Ion:228 Resp: 2239637

Ion Ratio Lower Upper

228 100

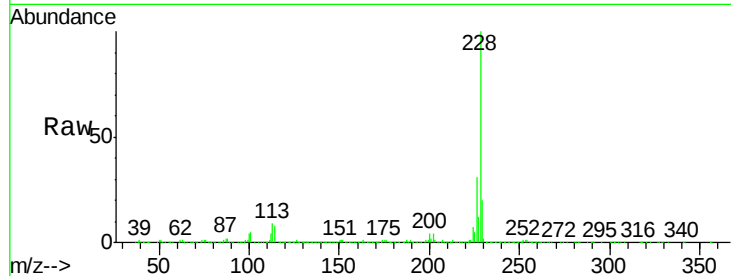
226 30.9 23.3 34.9

229 20.4 15.8 23.8

Manual Integrations

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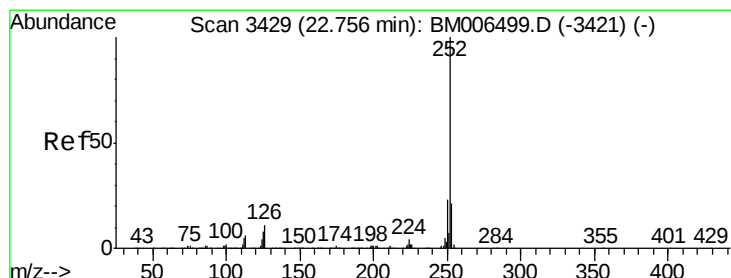
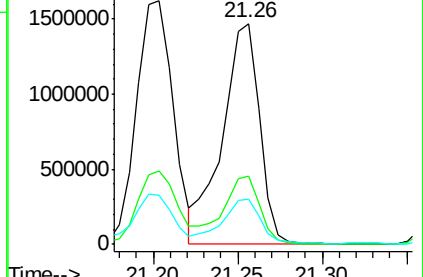
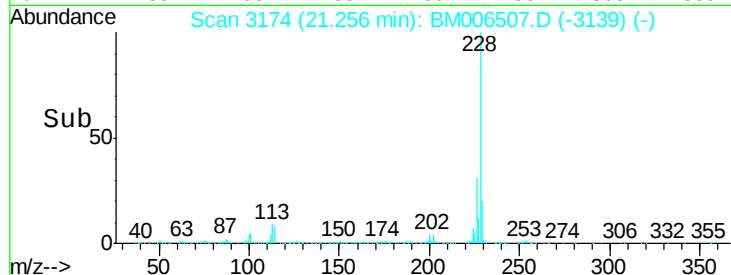
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 51.15 ng/ul

RT: 22.76 min Scan# 3430

Delta R.T. 0.01 min

Lab File: BM006507.D

Acq: 17 Jul 2016 09:21

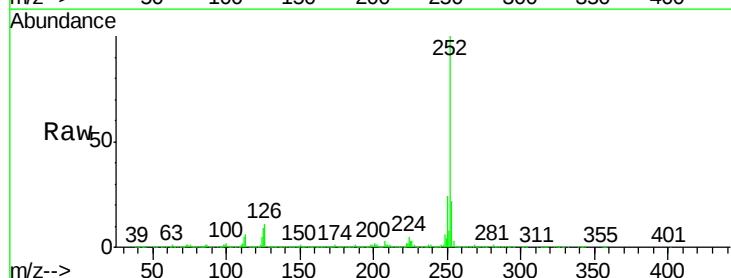
Tgt Ion:252 Resp: 2665283

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

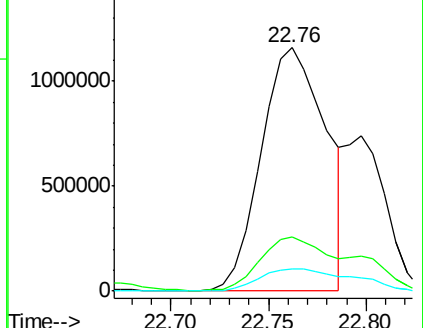
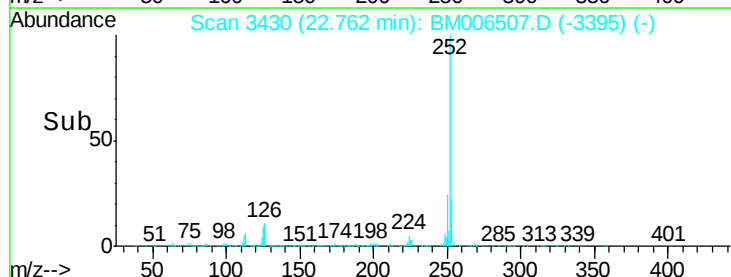
125 9.3 6.7 10.1

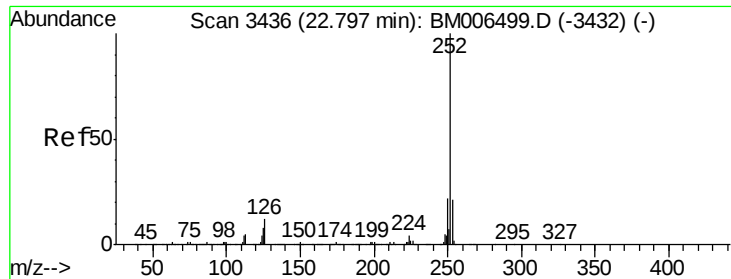


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 21.11 ng/ul m

RT: 22.80 min Scan# 3436

Delta R.T. 0.00 min

Lab File: BM006507.D

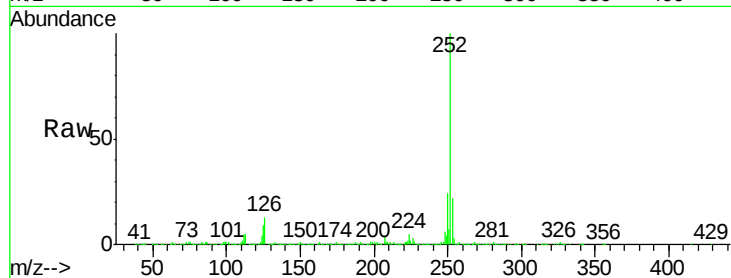
Acq: 17 Jul 2016 09:21

Instrument :

BNA_M

ClientSampleId :

BDJ23



Tgt Ion:252 Resp: 1034813

Ion Ratio Lower Upper

252 100

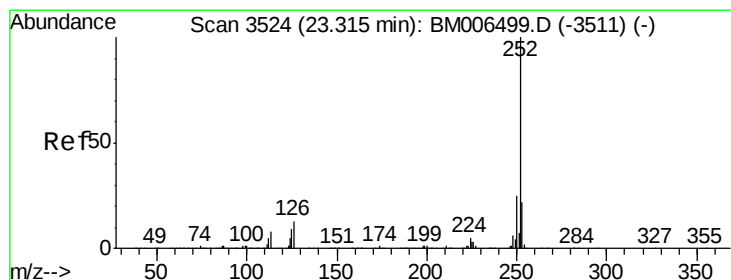
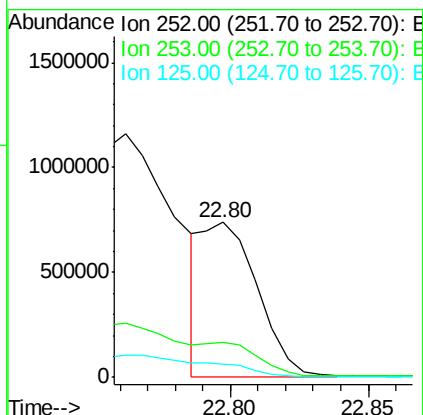
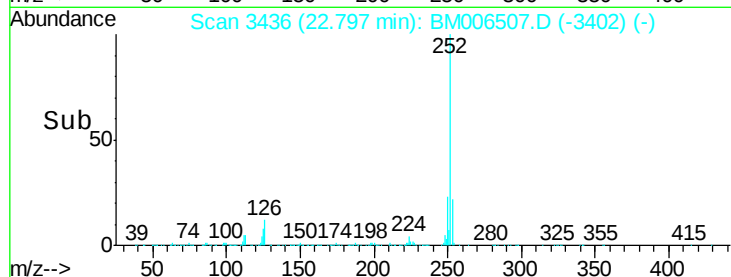
253 22.5 17.3 25.9

125 8.6 7.0 10.4

Manual Integrations

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#88

Benzo(a)pyrene

Concen: 41.55 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. 0.01 min

Lab File: BM006507.D

Acq: 17 Jul 2016 09:21

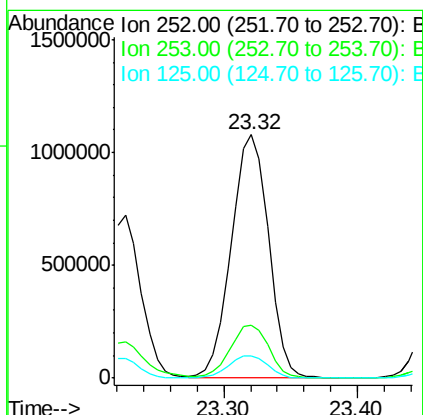
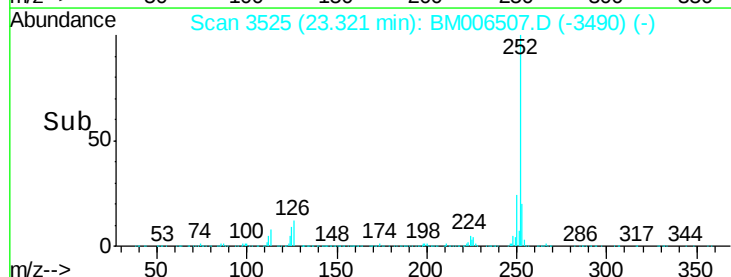
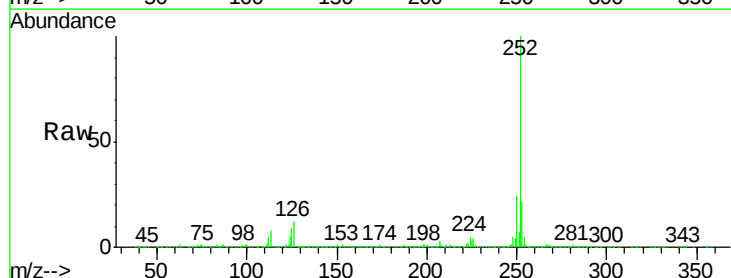
Tgt Ion:252 Resp: 2073811

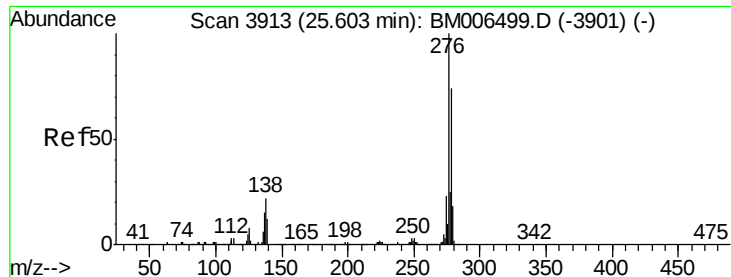
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.1 7.6 11.4





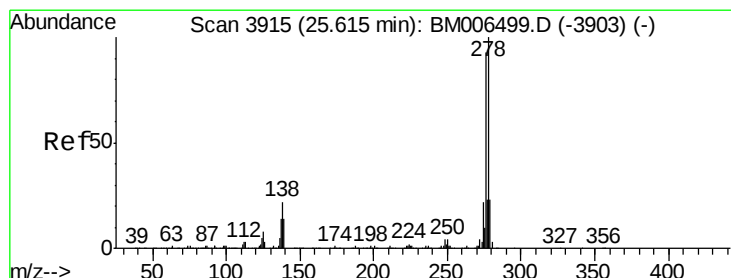
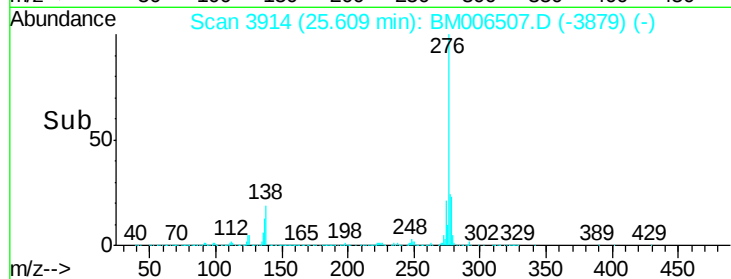
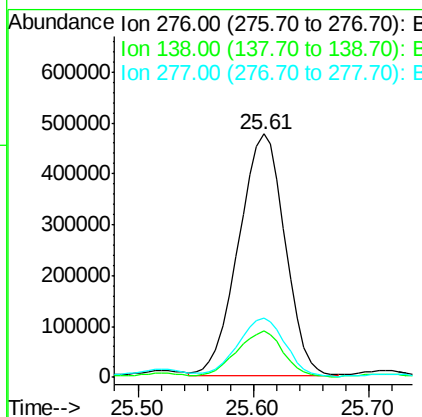
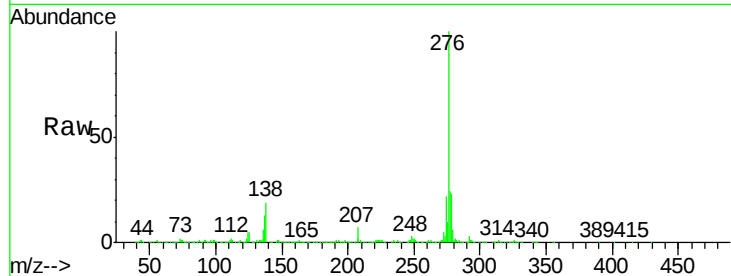
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 22.84 ng/ul
 RT: 25.61 min Scan# 3914
 Delta R.T. 0.01 min
 Lab File: BM006507.D
 Acq: 17 Jul 2016 09:21

Instrument :
 BNA_M
 ClientSampleId :
 BDJ23

Tgt Ion:276 Resp: 1326272
 Ion Ratio Lower Upper
 276 100
 138 19.0 17.8 26.6
 277 24.4 20.1 30.1

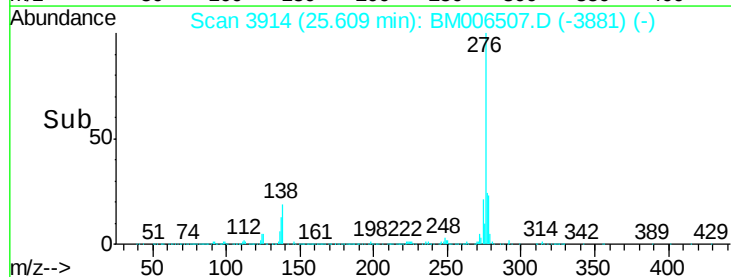
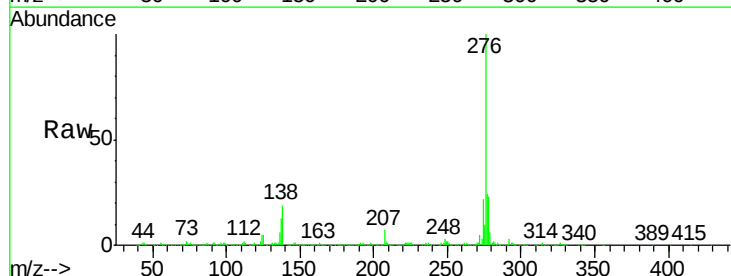
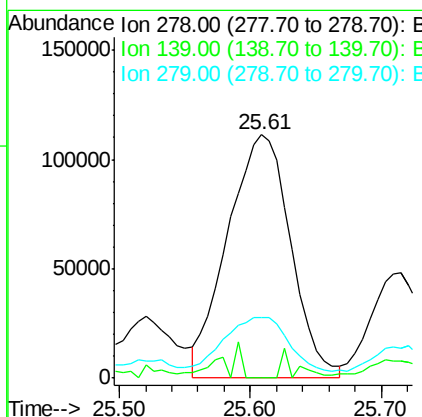
Manual Integrations

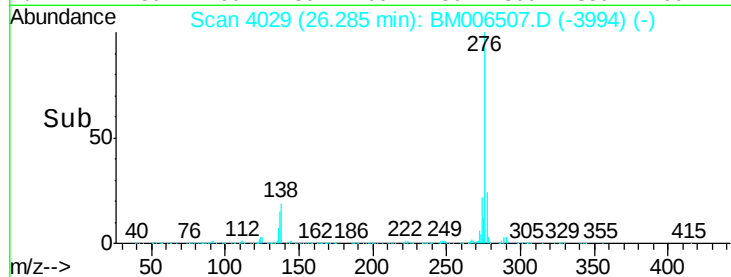
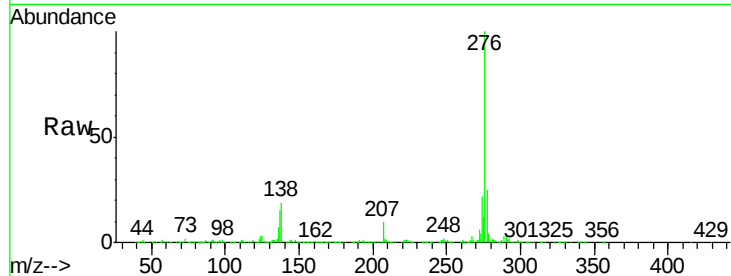
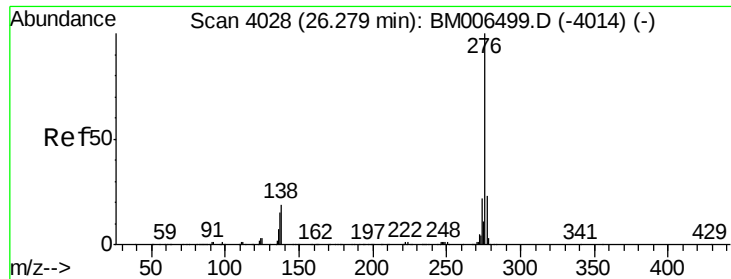
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#90
 Dibenzo(a,h)anthracene
 Concen: 7.71 ng/ul m
 RT: 25.61 min Scan# 3914
 Delta R.T. -0.01 min
 Lab File: BM006507.D
 Acq: 17 Jul 2016 09:21

Tgt Ion:278 Resp: 372272
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.7 17.5#
 279 24.9 19.2 28.8





#91
 Benzo(g,h,i)perylene
 Concen: 22.11 ng/ul
 RT: 26.29 min Scan# 4029
 Delta R.T. 0.01 min
 Lab File: BM006507.D
 Acq: 17 Jul 2016 09:21

Tgt Ion:	276	Resp:	1134780
Ion Ratio	Lower	Upper	
276	100		
138	19.2	15.0	22.4
277	24.7	19.0	28.4

Instrument :
 BNA_M
 ClientSampleId :
 BDJ23

Manual Integrations

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