

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
 Data File : BM008404.D
 Acq On : 17 Dec 2016 10:29
 Operator : UM/SJ
 Sample : H6067-24
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA939

Manual Integrations
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 12/20/2016 10:50:04 AM

Quant Time: Dec 19 18:17:30 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 02:31:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	109048	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	418667	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	265025	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	541899	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	694471	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	720641	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	10864	4.69	ng/uL	0.00
5) Phenol-d5	6.85	99	225154	26.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	134424	27.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	179355	28.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	176893	27.00	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	87903	29.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	93711	27.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	189571	30.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	170236	24.17	ng/ul	0.01
43) Dimethylphthalate-d6	13.72	166	578929	32.86	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	668849	32.13	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	70628m	27.21	ng/ul	0.02
57) Fluorene-d10	15.30	176	495686	32.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	86846	26.92	ng/ul	0.00
70) Anthracene-d10	17.16	188	844069	35.75	ng/ul	0.00
76) Pyrene-d10	19.46	212	1010608	37.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1071448	35.41	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.82	77	402508	71.89	ng/ul 96
10) 2-Chlorophenol	7.23	128	387519	60.28	ng/ul 97
14) Acetophenone	8.49	105	506241	47.26	ng/ul 98
16) 4-Methylphenol	8.43	108	240497	34.49	ng/ul 91
17) Hexachloroethane	8.71	117	136444	46.54	ng/ul 98
27) 2,4-Dichlorophenol	10.10	162	418064	67.52	ng/ul 97
28) Naphthalene	10.48	128	1152248	58.14	ng/ul 99
34) 2-Methylnaphthalene	12.10	142	829348	57.91	ng/ul 99
41) 2-Chloronaphthalene	13.17	162	899687	66.38	ng/ul 98
49) Acenaphthene	14.37	153	523499	35.95	ng/ul 98
58) Fluorene	15.36	166	673563	38.64	ng/ul 99
63) 4,6-Dinitro-2-methylphenol	15.47	198	267665	80.97	ng/ul# 94
67) Atrazine	16.53	200	375171	62.06	ng/ul 98
69) Phenanthrene	17.10	178	1339038	48.22	ng/ul 99
72) Carbazole	17.47	167	1891727	76.21	ng/ul 99
77) Pyrene	19.49	202	2208539	64.77	ng/ul 100
78) Butylbenzylphthalate	20.39	149	796235	65.11	ng/ul 97
81) Bis(2-ethylhexyl)phthalate	21.16	149	1114793	62.25	ng/ul 99
89) Indeno(1,2,3-cd)pyrene	25.73	276	3105115	68.23	ng/ul 99
90) Dibenzo(a,h)anthracene	25.73	278	2047978	53.59	ng/ul 100
91) Benzo(a,h,i)perylene	26.41	276	1944049	51.07	ng/ul 99

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Quant Time: Dec 19 18:17:30 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 02:31:56 2016
Response via : Initial Calibration

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

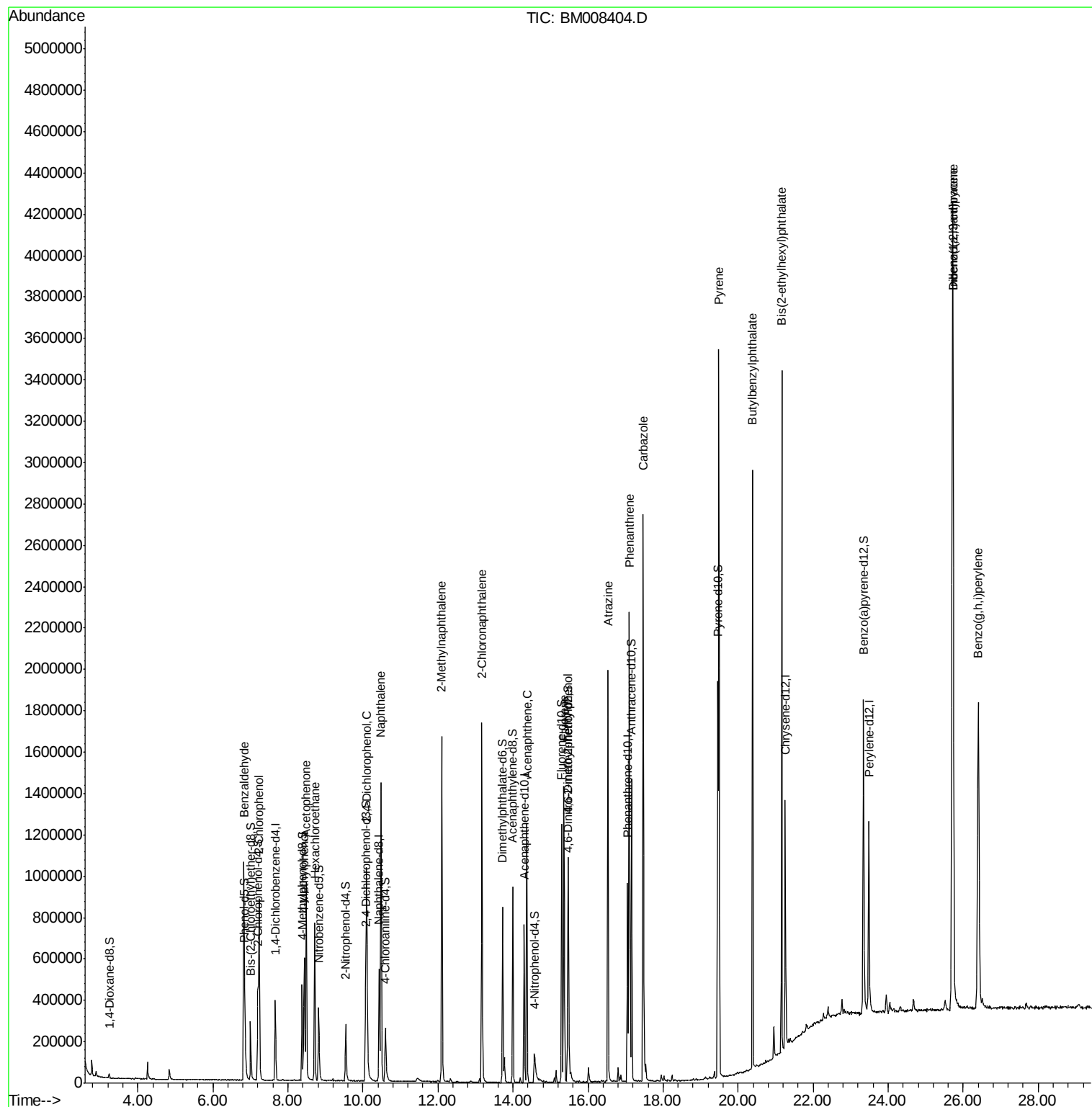
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121816\
Data File : BM008404.D
Acq On : 17 Dec 2016 10:29
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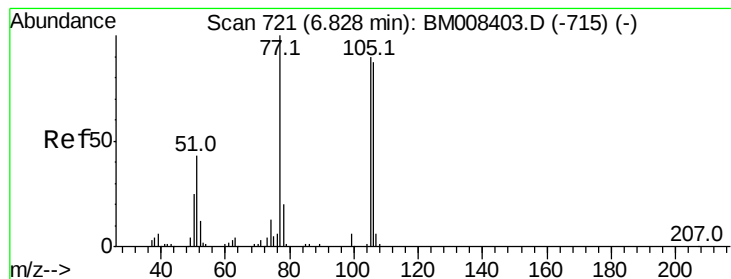
Instrument :
BNA_M
ClientSampleId :
DA939

Quant Time: Dec 19 18:17:30 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121816.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 02:31:56 2016
Response via : Initial Calibration

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#4

Benzaldehyde

Concen: 71.89 ng/ul

RT: 6.82 min Scan# 720

Delta R.T. -0.01 min

Lab File: BM008404.D

Acq: 17 Dec 2016 10:29

Instrument :

BNA_M

ClientSampled :

DA939

Tot Ion: 77 Resp: 402508

Ion Ratio Lower Upper

77 100

105 91.0 70.2 105.4

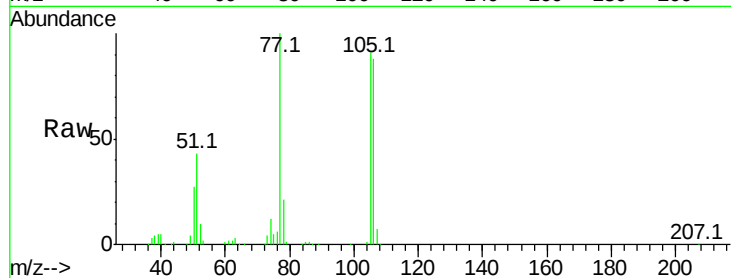
106 87.8 66.6 99.8

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): BM008403.D (-715) (-)

Ion 105.00 (104.70 to 105.70): BM008403.D (-715) (-)

Ion 106.00 (105.70 to 106.70): BM008403.D (-715) (-)

6.82

250000

200000

150000

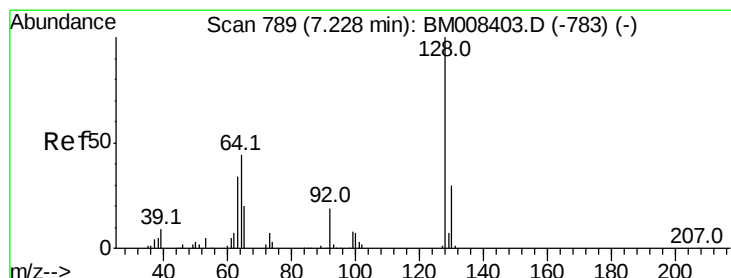
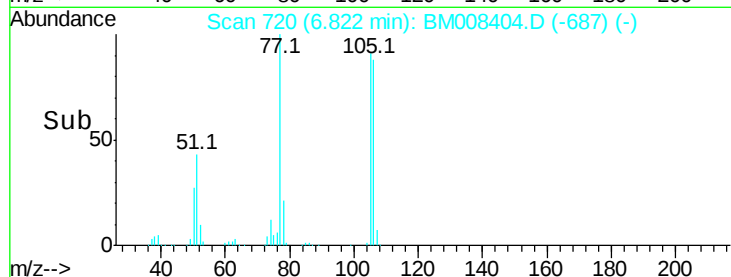
100000

50000

0

6.80 6.90

Time-->



#10

2-Chlorophenol

Concen: 60.28 ng/ul

RT: 7.23 min Scan# 790

Delta R.T. 0.01 min

Lab File: BM008404.D

Acq: 17 Dec 2016 10:29

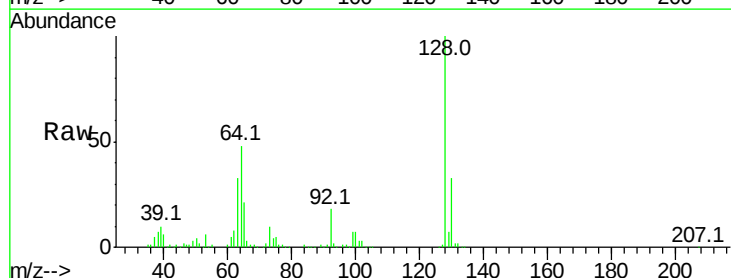
Tgt Ion: 128 Resp: 387519

Ion Ratio Lower Upper

128 100

64 47.6 40.0 60.0

130 32.8 25.6 38.4



Abundance Ion 128.00 (127.70 to 128.70): BM008403.D (-783) (-)

Ion 64.00 (63.70 to 64.70): BM008403.D (-783) (-)

Ion 130.00 (129.70 to 130.70): BM008403.D (-783) (-)

7.23

250000

200000

150000

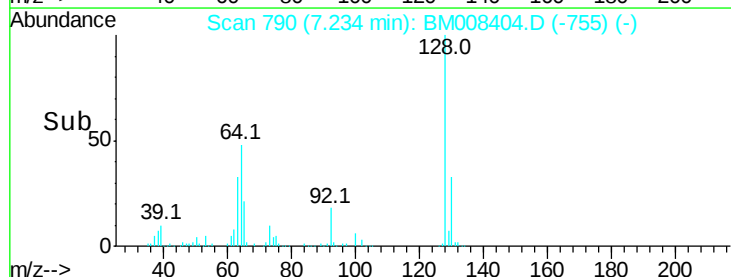
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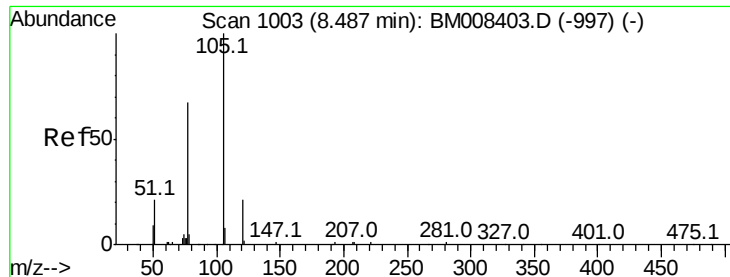
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7.20 7.30 7.40

Time-->





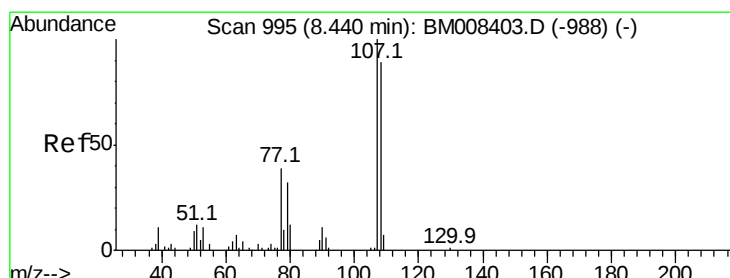
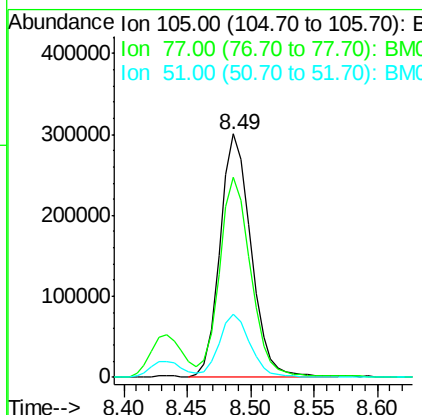
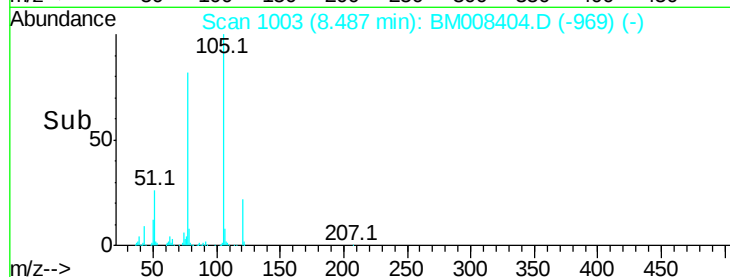
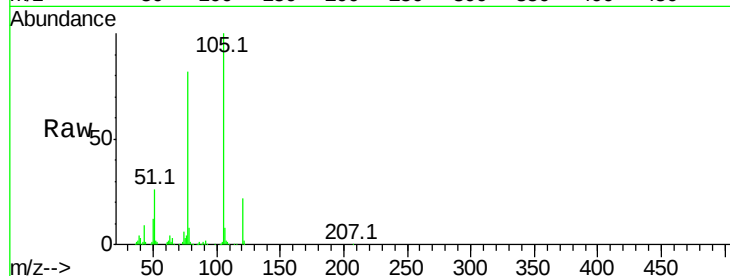
#14
Acetophenone
Concen: 47.26 ng/ul
RT: 8.49 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BM008404.D
Acq: 17 Dec 2016 10:29

Instrument :
BNA_M
ClientSampleId :
DA939

Tot Ion	Ratio	Resp Lower	Upper
105	100		
77	82.0	64.6	97.0
51	25.9	22.1	33.1

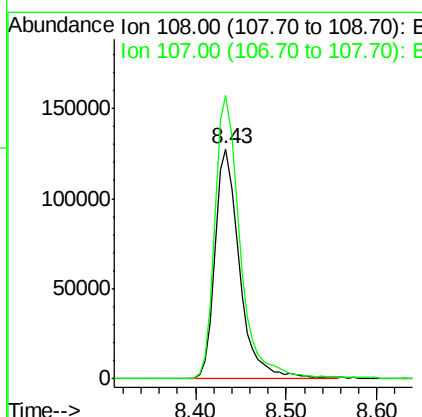
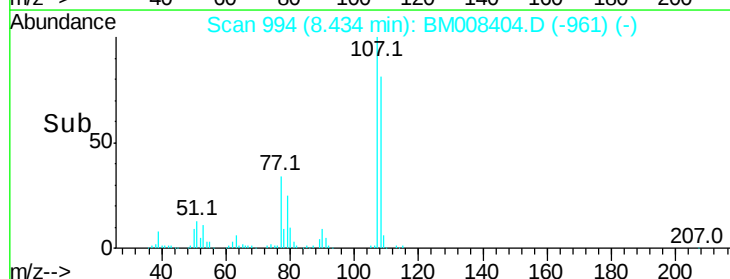
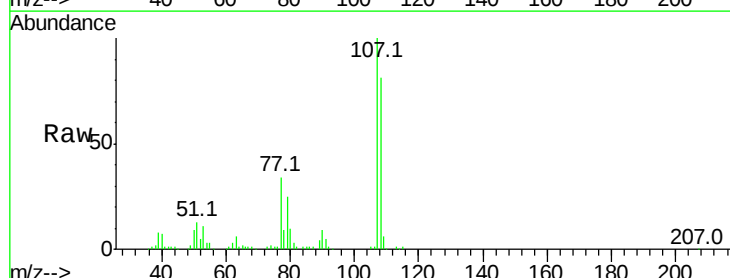
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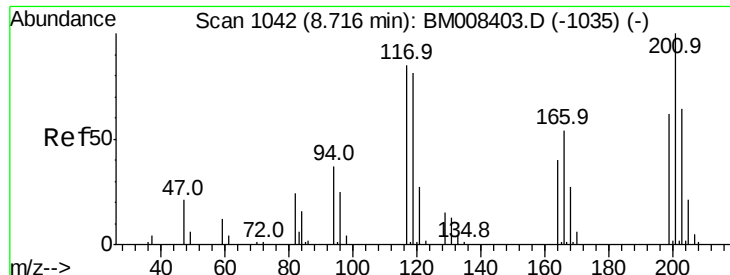
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#16
4-Methylphenol
Concen: 34.49 ng/ul
RT: 8.43 min Scan# 994
Delta R.T. -0.01 min
Lab File: BM008404.D
Acq: 17 Dec 2016 10:29

Tgt Ion	Ratio	Resp Lower	Upper
108	100		
107	123.0	90.6	135.8





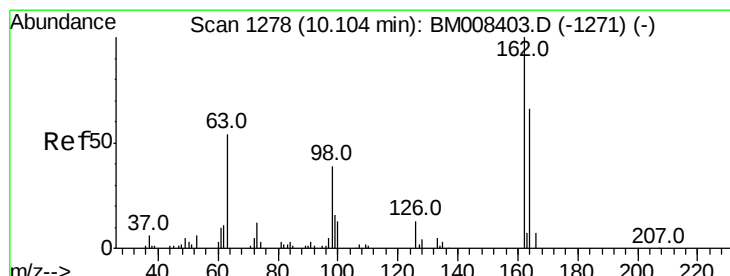
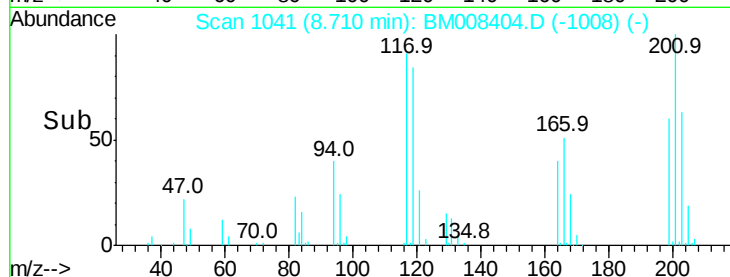
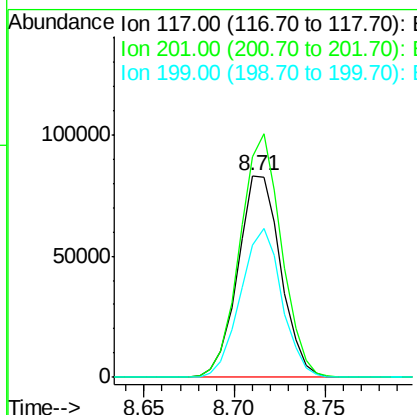
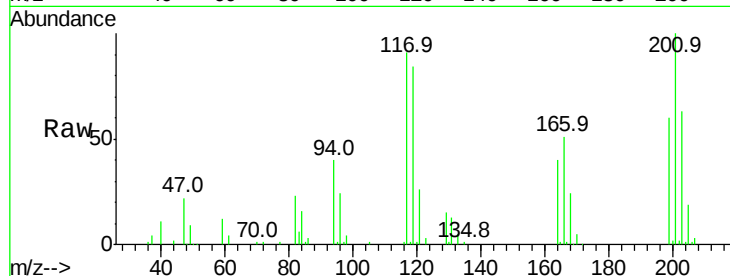
#17
 Hexachloroethane
 Concen: 46.54 ng/ul
 RT: 8.71 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Instrument :
 BNA_M
 ClientSampled :
 DA939

Tot Ion	Ratio	Resp	Lower	Upper
117	100	136444		
201	109.7	88.1	132.1	
199	65.9	54.9	82.3	

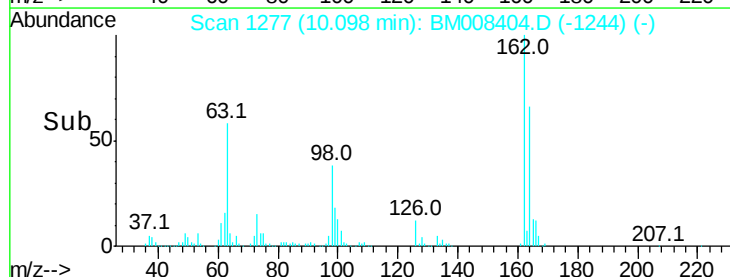
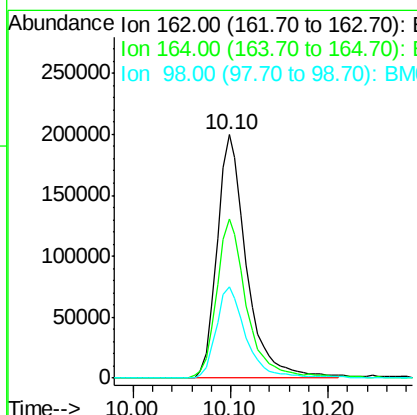
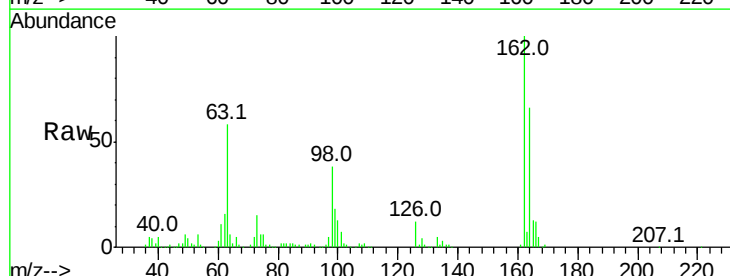
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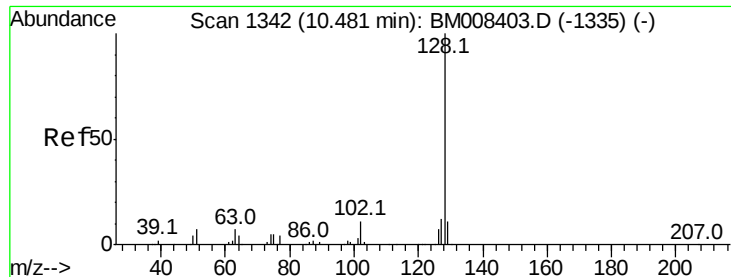
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#27
 2,4-Dichlorophenol
 Concen: 67.52 ng/ul
 RT: 10.10 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	418064		
164	65.6	50.4	75.6	
98	37.5	29.1	43.7	





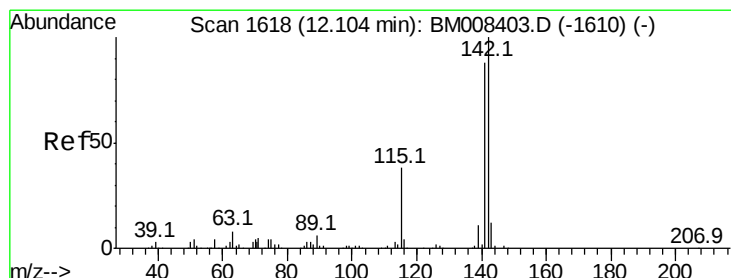
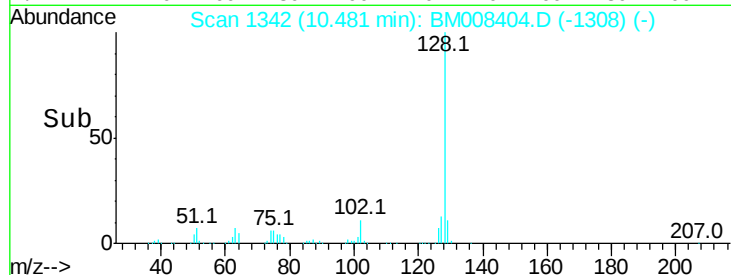
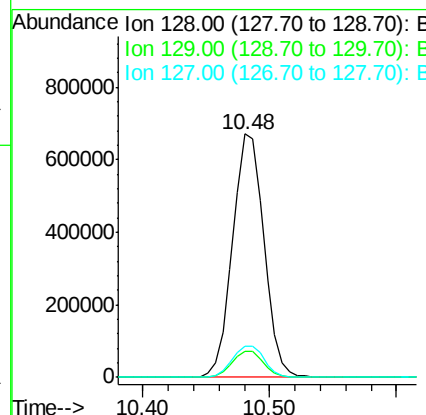
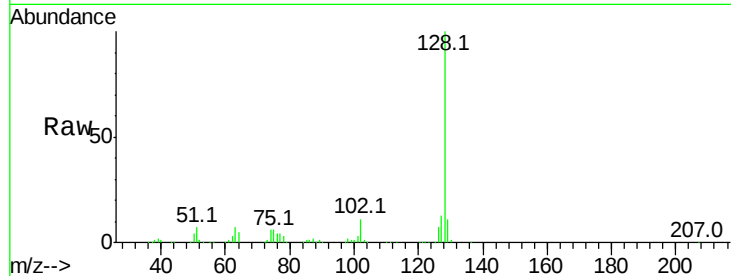
#28
Naphthalene
Concen: 58.14 ng/ul
RT: 10.48 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BM008404.D
Acq: 17 Dec 2016 10:29

Instrument :
BNA_M
ClientSampleId :
DA939

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	12.9	10.4	15.6

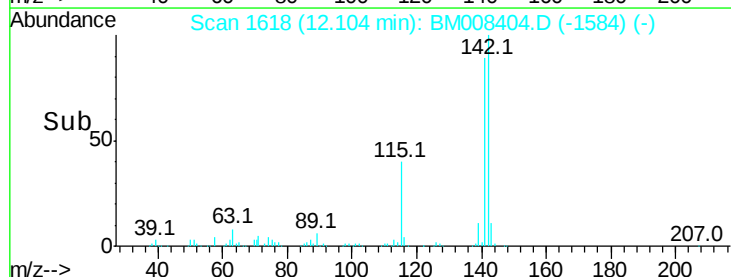
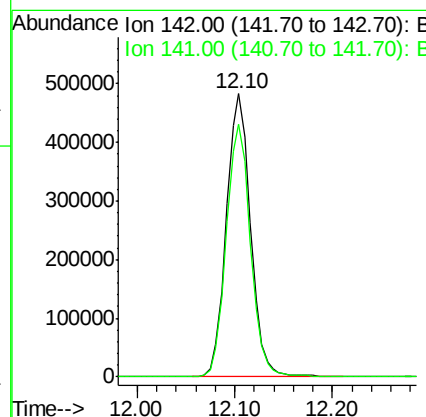
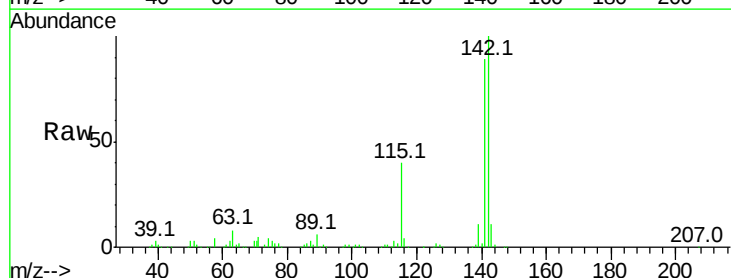
Manual Integrations
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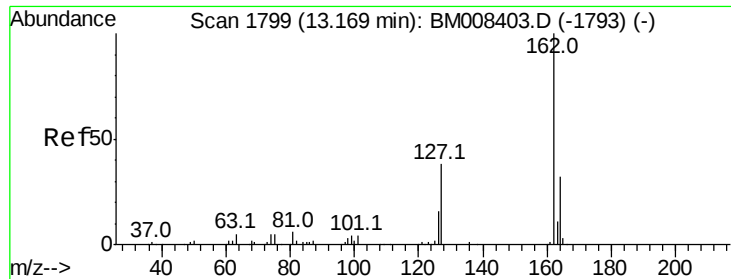
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#34
2-Methylnaphthalene
Concen: 57.91 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BM008404.D
Acq: 17 Dec 2016 10:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7





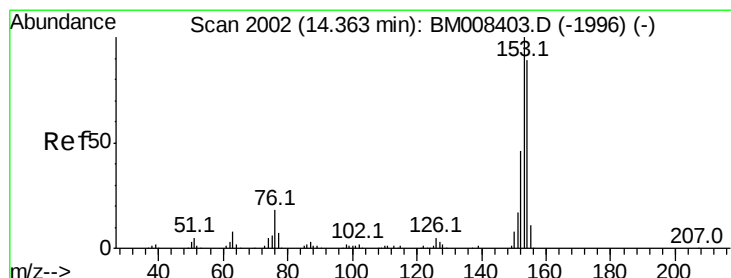
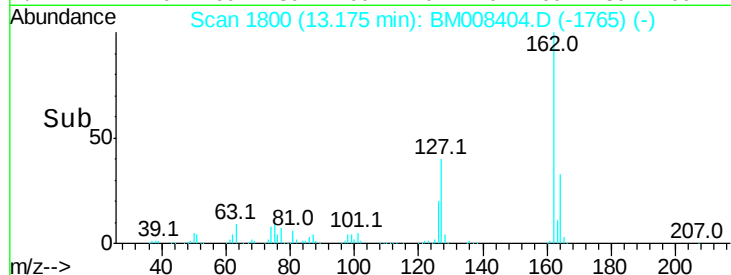
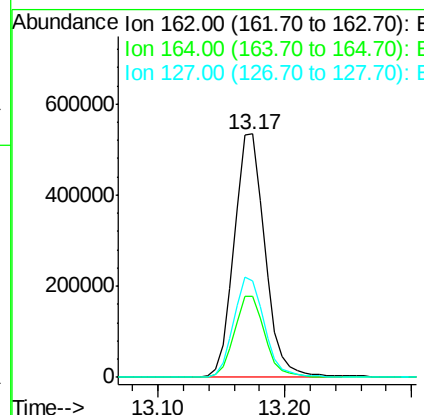
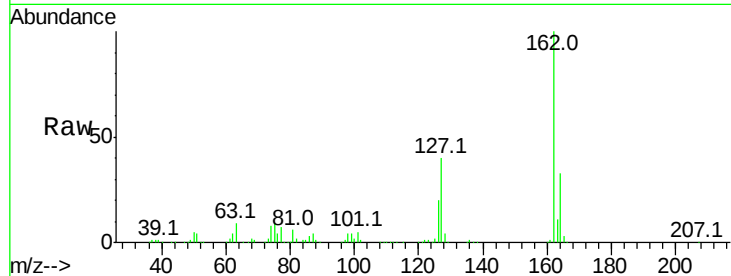
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 2-Chloronaphthalene
 Concen: 66.38 ng/ul
 RT: 13.17 min Scan# 1800
 Delta R.T. 0.01 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Instrument :
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 DA939

Tot Ion	Ratio	Resp	Lower	Upper
162	100	899687		
164	33.1	25.2	37.8	
127	39.8	31.6	47.4	

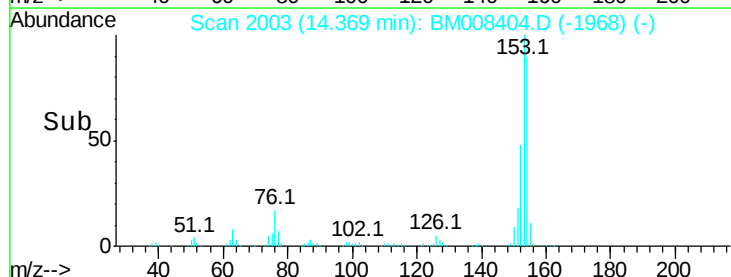
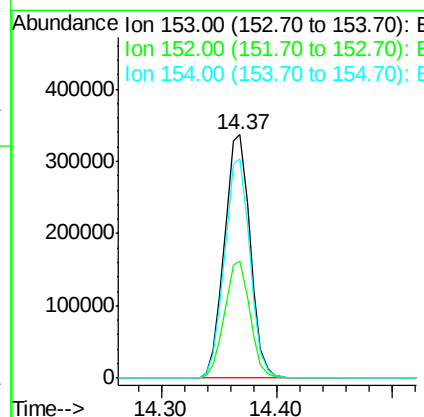
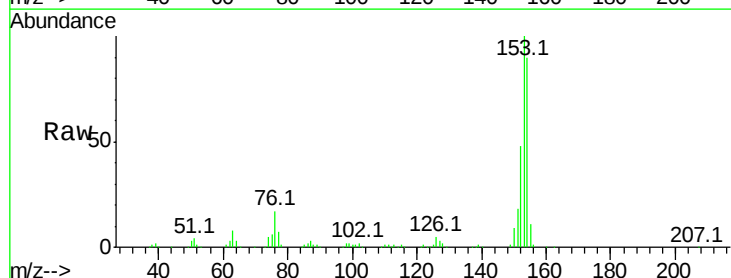
Manual Integrations
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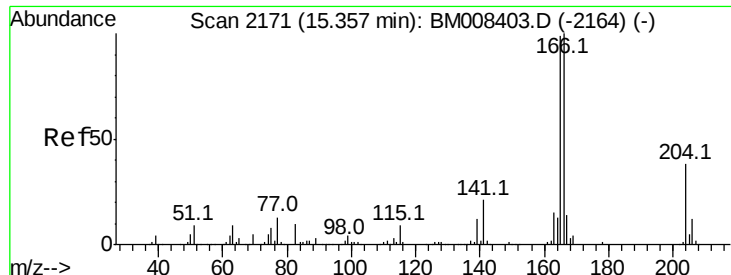
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#49
 Acenaphthene
 Concen: 35.95 ng/ul
 RT: 14.37 min Scan# 2003
 Delta R.T. 0.01 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	523499		
152	48.1	36.6	54.8	
154	90.3	71.4	107.2	





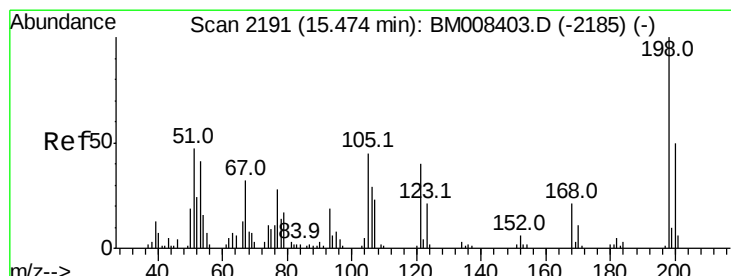
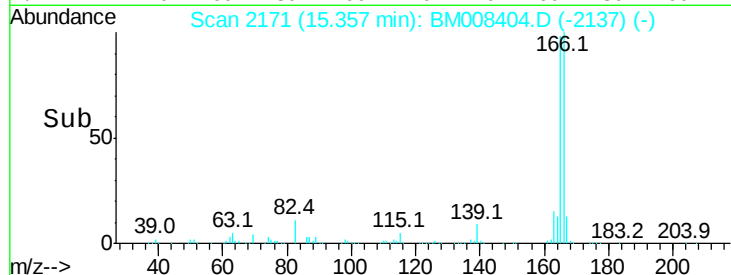
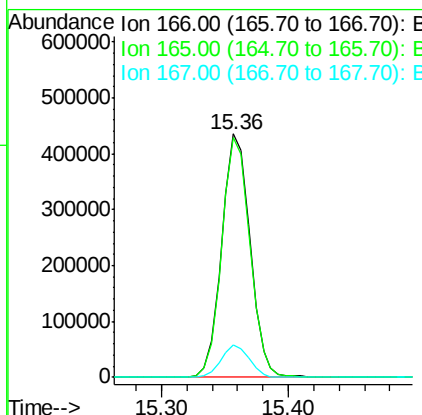
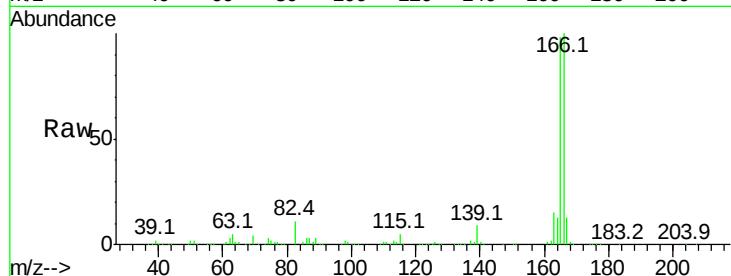
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Fluorene
 Concen: 38.64 ng/ul
 RT: 15.36 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Instrument :
 BNA_M
 ClientSampleID :
 DA939

Tot Ion	Ratio	Resp	Lower	Upper
166	100	673563		
165	98.3	79.3	118.9	
167	13.4	10.7	16.1	

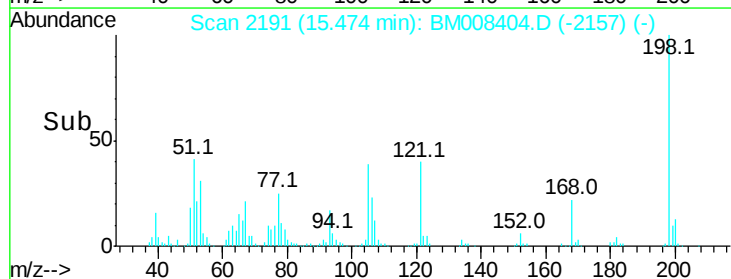
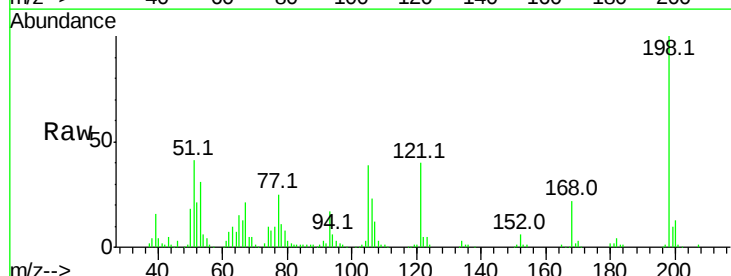
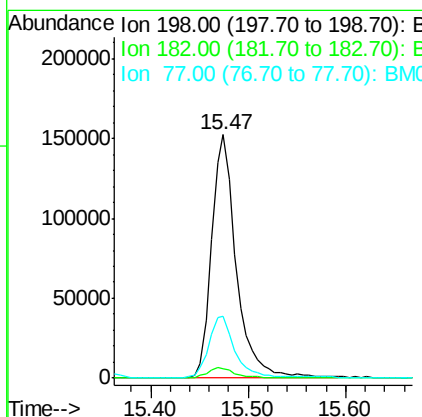
Manual Integrations
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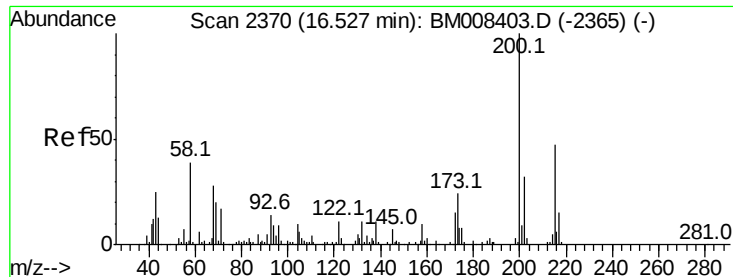
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#63
4,6-Dinitro-2-methylphenol
 Concen: 80.97 ng/ul
 RT: 15.47 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	267665		
182	3.8	4.2	6.2#	
77	25.3	23.0	34.4	





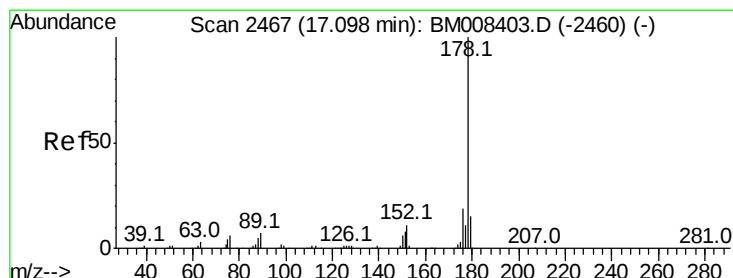
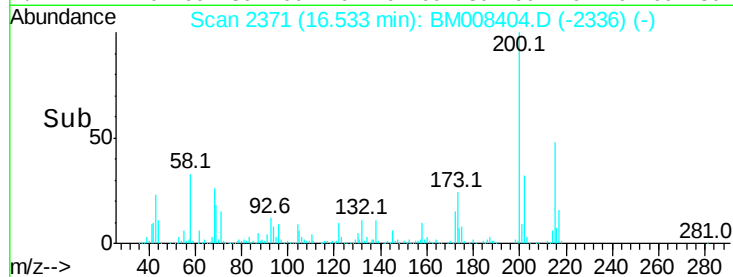
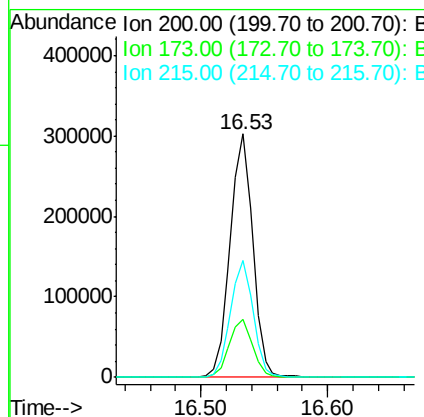
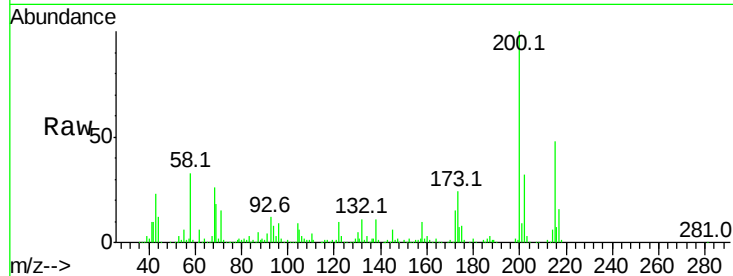
#67
Atrazine
Concen: 62.06 ng/ul
RT: 16.53 min Scan# 2371
Delta R.T. 0.01 min
Lab File: BM008404.D
Acq: 17 Dec 2016 10:29

Instrument :
BNA_M
ClientSampled :
DA939

Tot Ion	Ratio	Lower	Upper
200	100		
173	23.9	20.1	30.1
215	47.9	39.0	58.6

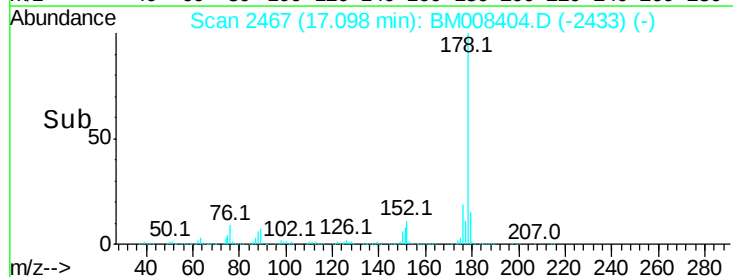
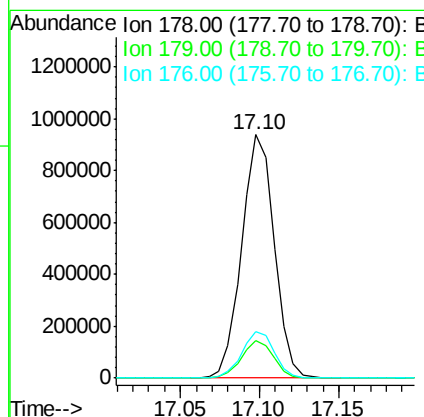
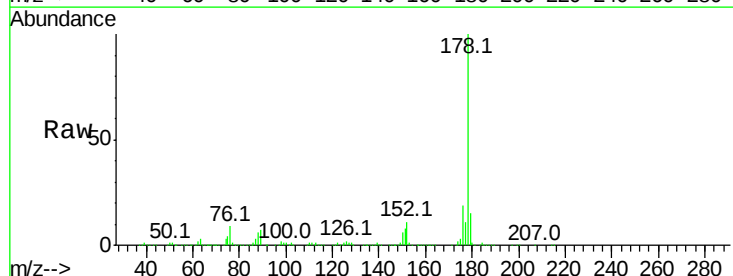
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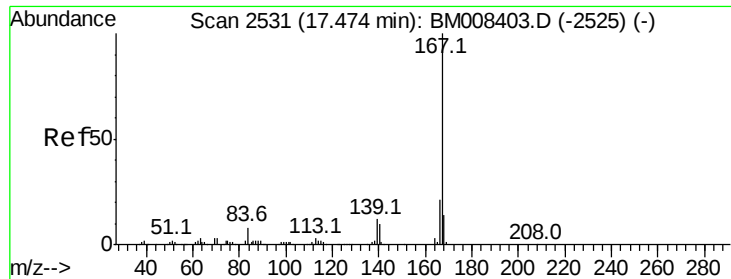
umangi
12/20/2016 10:50:04 AM



#69
Phenanthrene
Concen: 48.22 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. -0.00 min
Lab File: BM008404.D
Acq: 17 Dec 2016 10:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	19.0	14.6	21.8





#72

Carbazole

Concen: 76.21 ng/ul

RT: 17.47 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BM008404.D

Acq: 17 Dec 2016 10:29

Instrument :

BNA_M

ClientSampleId :

DA939

Tot Ion:167 Resp: 1891727

Ion Ratio Lower Upper

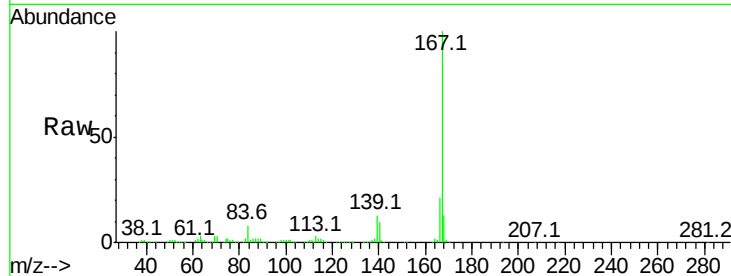
167 100

166 20.8 16.4 24.6

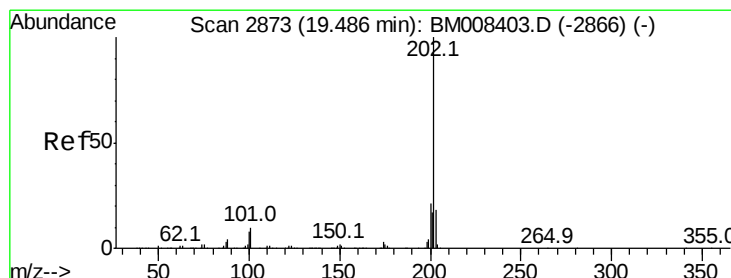
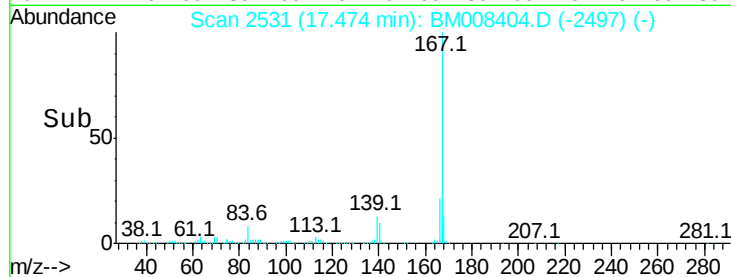
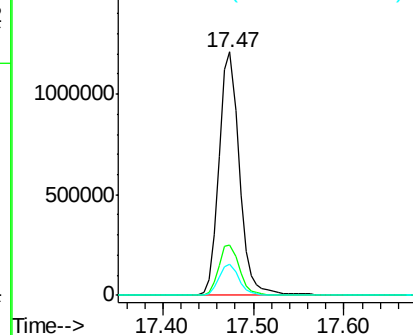
139 12.6 10.2 15.4

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#77

Pyrene

Concen: 64.77 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BM008404.D

Acq: 17 Dec 2016 10:29

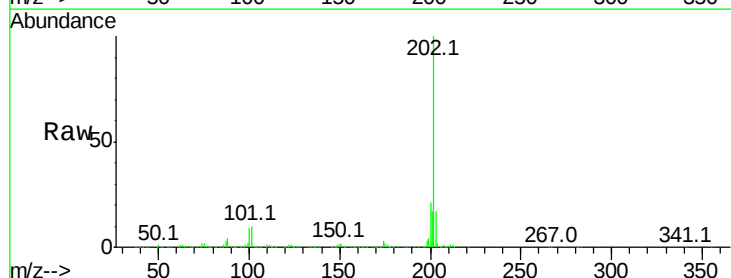
Tgt Ion:202 Resp: 2208539

Ion Ratio Lower Upper

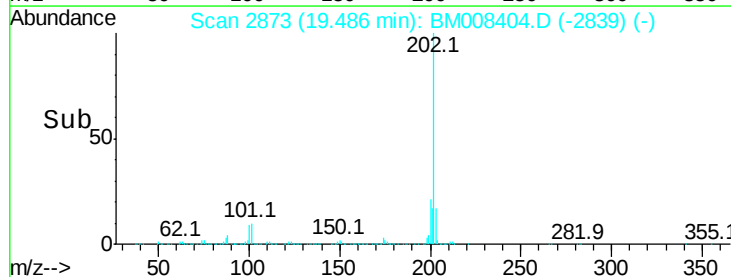
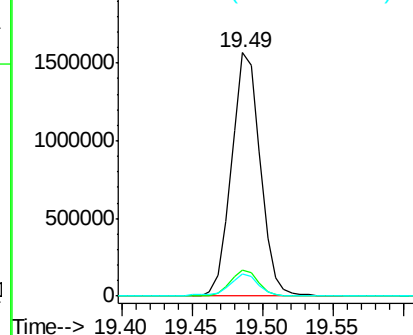
202 100

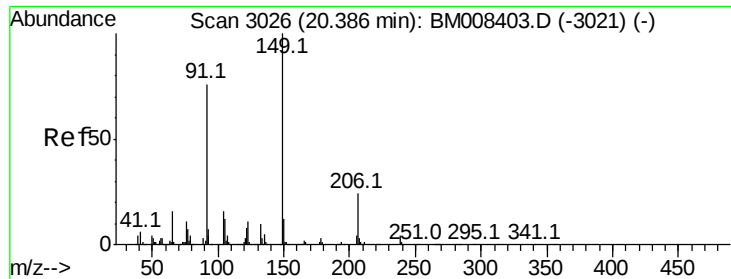
101 10.5 8.2 12.4

100 8.9 7.0 10.6



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





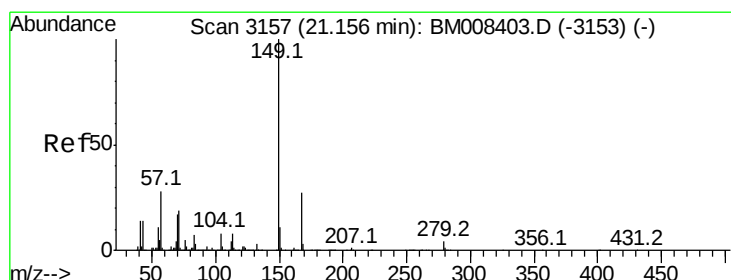
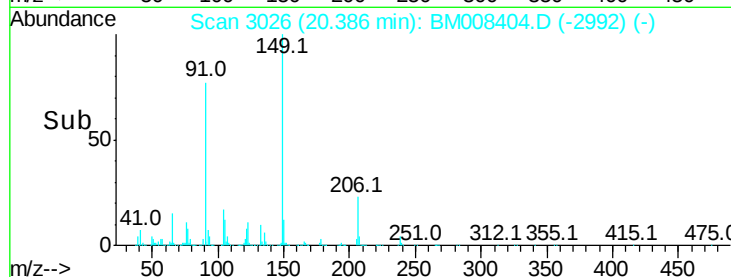
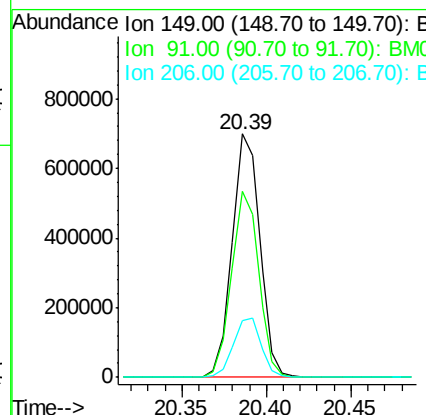
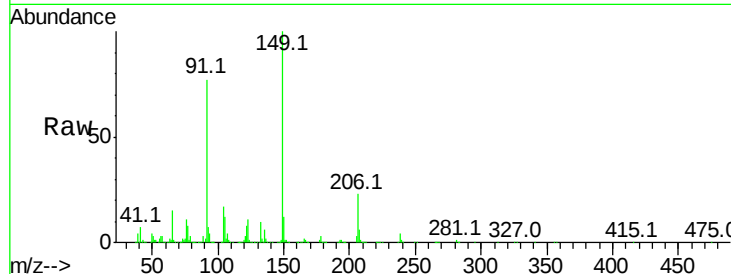
#78
 Butylbenzylphthalate
 Concen: 65.11 ng/ul
 RT: 20.39 min Scan# 3026
 Delta R.T. -0.00 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Instrument :
 BNA_M
 ClientSampleId :
 DA939

Tot Ion	Ratio	Resp	Lower	Upper
149	100	796235		
91	76.6	59.3	88.9	
206	23.5	20.0	30.0	

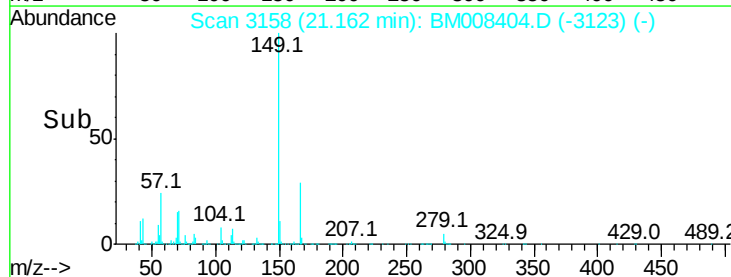
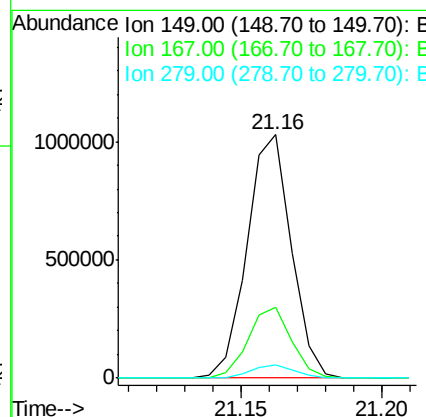
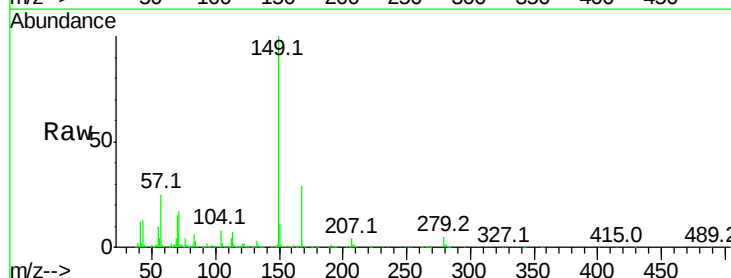
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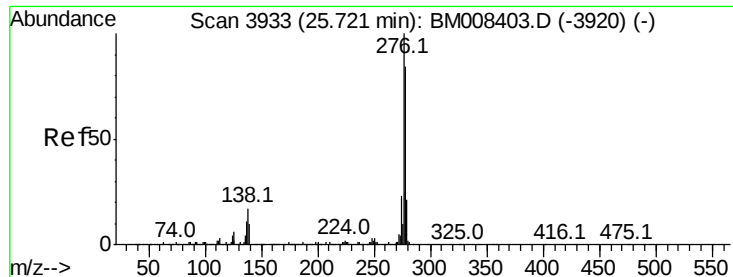
umangi
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#81
 Bis(2-ethylhexyl)phthalate
 Concen: 62.25 ng/ul
 RT: 21.16 min Scan# 3158
 Delta R.T. 0.01 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1114793		
167	29.0	22.6	34.0	
279	5.4	4.2	6.4	





#89

Indeno(1,2,3-cd)pyrene

Concen: 68.23 ng/ul

RT: 25.73 min Scan# 3934

Delta R.T. 0.01 min

Lab File: BM008404.D

Acq: 17 Dec 2016 10:29

Instrument :

BNA_M

ClientSampleId :

DA939

Tot Ion:276 Resp: 3105115

Ion Ratio Lower Upper

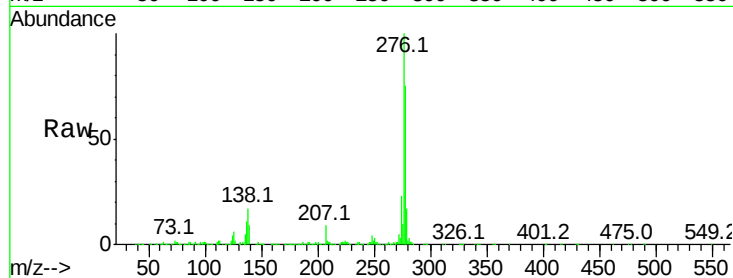
276 100

138 16.6 13.4 20.2

277 25.3 19.7 29.5

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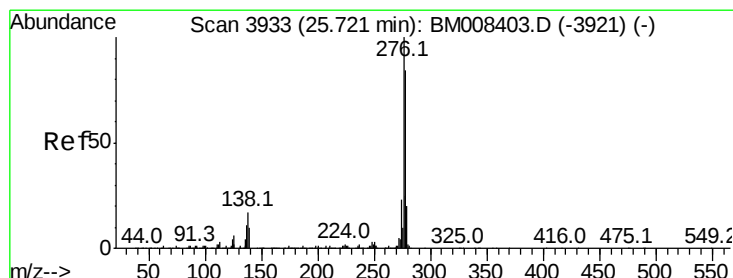
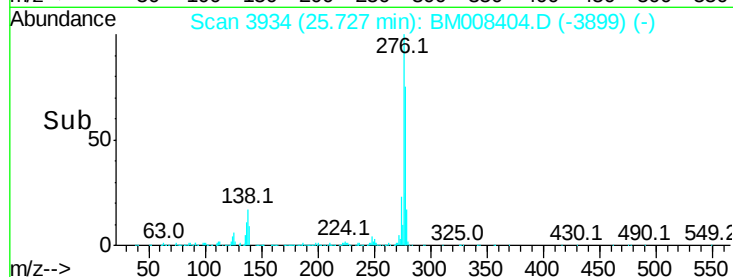
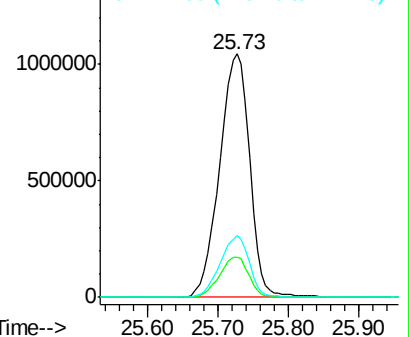
umangi
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 53.59 ng/ul

RT: 25.73 min Scan# 3934

Delta R.T. 0.01 min

Lab File: BM008404.D

Acq: 17 Dec 2016 10:29

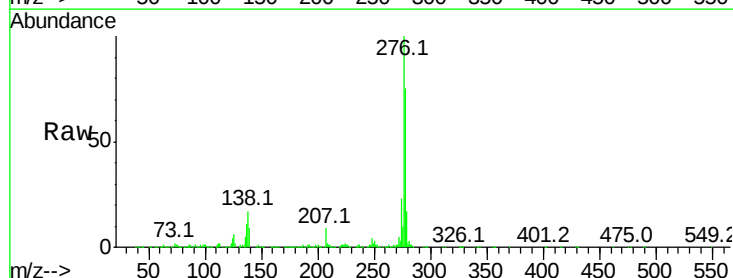
Tgt Ion:278 Resp: 2047978

Ion Ratio Lower Upper

278 100

139 11.6 9.4 14.0

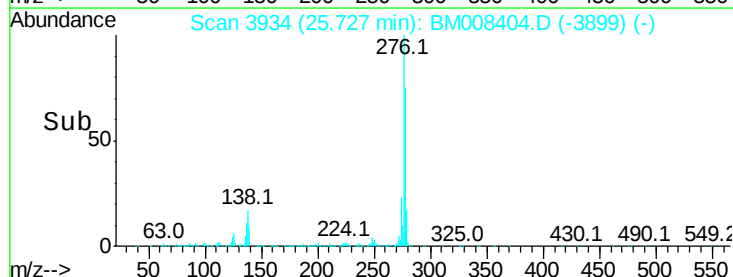
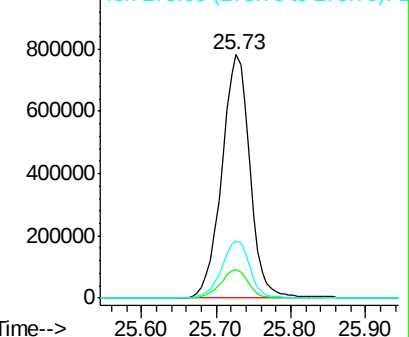
279 23.1 18.6 28.0

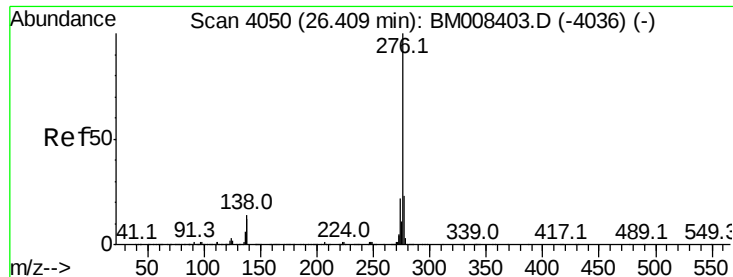


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 51.07 ng/ul
 RT: 26.41 min Scan# 4050
 Delta R.T. -0.00 min
 Lab File: BM008404.D
 Acq: 17 Dec 2016 10:29

Instrument :
 BNA_M
 ClientSampleId :
 DA939

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.0	18.0
277	24.2	19.4	29.0

Manual Integrations
 APPROVED

umangi
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