

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
 Data File : BM008835.D
 Acq On : 24 Jan 2017 11:32
 Operator : UM/SJ
 Sample : I1323-21DL 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DA9R6DL

Manual Integrations
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 1/24/2017 5:18:02 PM

Quant Time: Jan 24 13:18:38 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 24 04:28:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	68033	20.00	ng/ul	0.00
18) Naphthalene-d8	10.75	136	322218	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	307163	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	644729m	20.00	ng/ul	0.00
75) Chrysene-d12	21.49	240	709938	20.00	ng/ul	0.00
83) Perylene-d12	23.85	264	558893	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	1179	0.86	ng/uL	0.01
5) Phenol-d5	7.09	99	21494	3.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	87291	19.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.47	132	54519	14.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	39634	8.78	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	38426	18.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.82	143	45955	18.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	91753	17.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.88	131	1215	0.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.98	166	409102	20.33	ng/ul	0.00
46) Acenaphthylene-d8	14.27	160	492832	20.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	20624	6.13	ng/ul	0.01
57) Fluorene-d10	15.57	176	370979	19.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.42	188	624789	22.16	ng/ul	0.00
76) Pyrene-d10	19.70	212	694786	22.31	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	514177	21.72	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.12	94	56547	9.00	ng/ul#	37
21) Isophorone	9.67	82	35333	2.42	ng/ul#	90
28) Naphthalene	10.80	128	4471108	300.56	ng/ul	99
34) 2-Methylnaphthalene	12.40	142	351540	29.11	ng/ul	99
39) 2,4,5-Trichlorophenol	13.07	196	291904	47.72	ng/ul	98
40) 1,1'-Biphenyl	13.40	154	70207	3.70	ng/ul#	96
49) Acenaphthene	14.62	153	172432	10.68	ng/ul#	35
53) Dibenzofuran	14.97	168	499200	20.11	ng/ul#	85
55) 2,3,4,6-Tetrachlorophenol	15.20	232	15931	2.59	ng/ul#	66
58) Fluorene	15.62	166	378100	18.23	ng/ul	95
68) Pentachlorophenol	16.96	266	91063	18.27	ng/ul	95
69) Phenanthrene	17.36	178	509085	16.03	ng/ul	97
72) Carbazole	17.72	167	599811	21.06	ng/ul	98

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

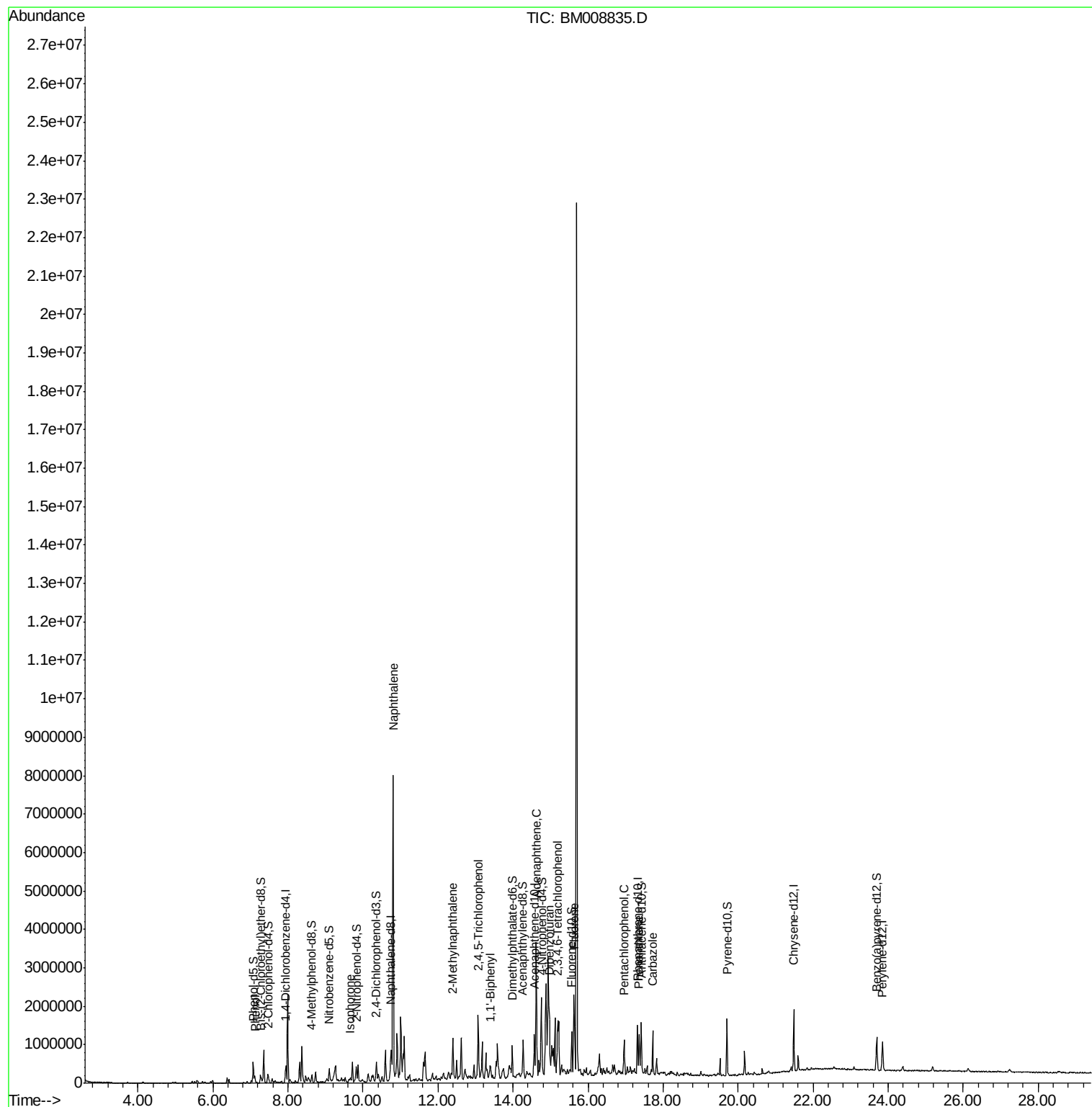
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
Data File : BM008835.D
Acq On : 24 Jan 2017 11:32
Operator : UM/SJ
Sample : I1323-21DL 2X
Misc :
ALS Vial : 35 Sample Multiplier: 1

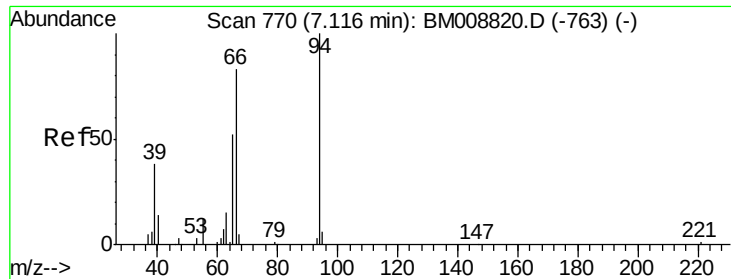
Instrument :
BNA_M
ClientSampleId :
DA9R6DL

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Quant Time: Jan 24 13:18:38 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 24 04:28:48 2017
Response via : Initial Calibration





#6

Phenol

Concen: 9.00 ng/ul

RT: 7.12 min Scan# 770

Delta R.T. 0.00 min

Lab File: BM008835.D

Acq: 24 Jan 2017 11:32

Instrument :

BNA_M

ClientSampleId :

DA9R6DL

Tgt Ion: 94 Resp: 56547

Ion Ratio Lower Upper

94 100

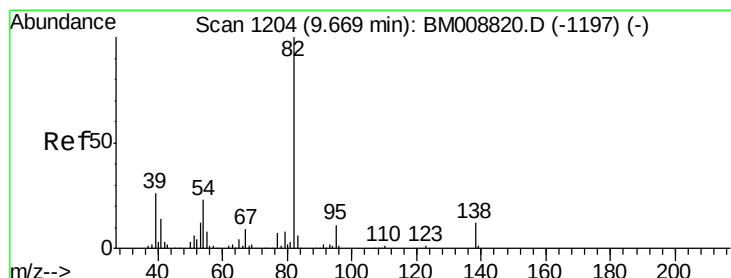
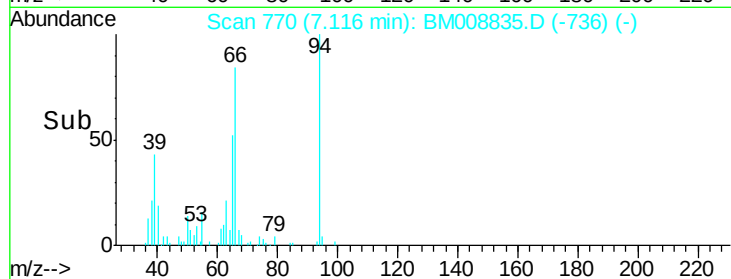
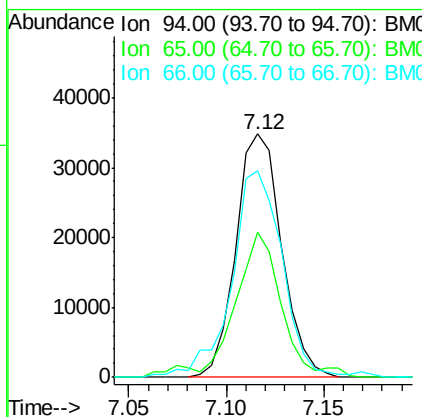
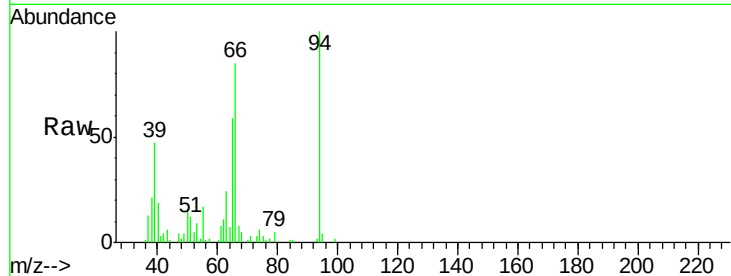
65 59.4 23.1 34.7#

66 84.8 33.7 50.5#

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#21

Isophorone

Concen: 2.42 ng/ul

RT: 9.67 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BM008835.D

Acq: 24 Jan 2017 11:32

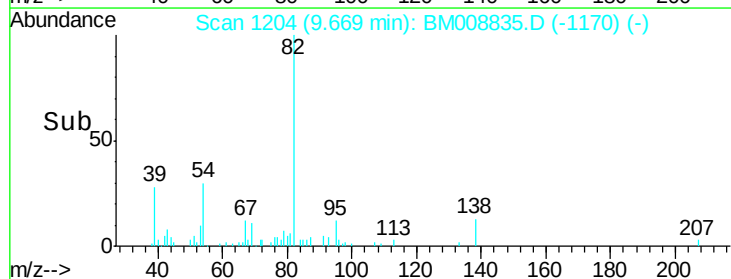
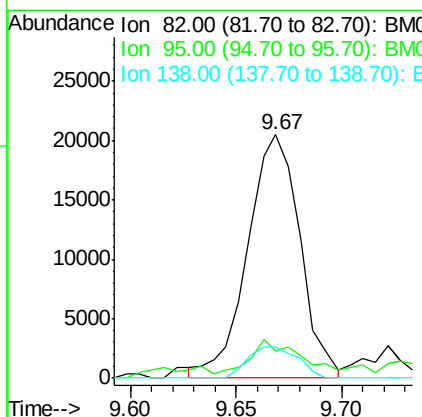
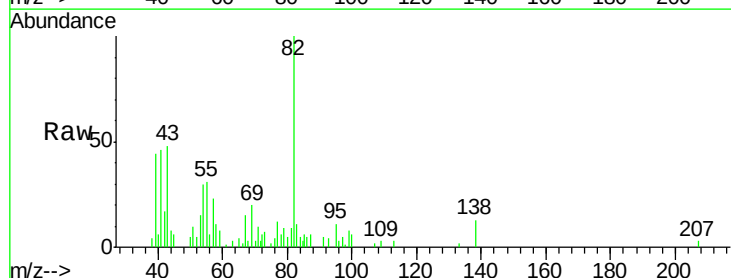
Tgt Ion: 82 Resp: 35333

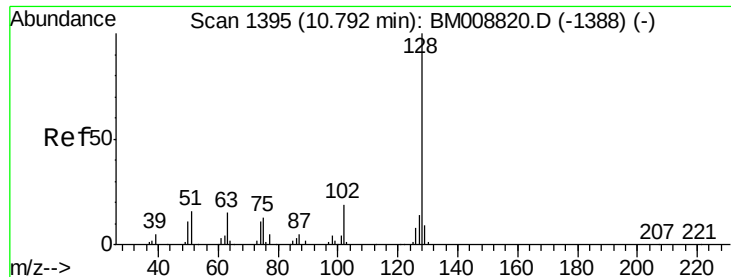
Ion Ratio Lower Upper

82 100

95 11.4 6.1 9.1#

138 12.8 13.4 20.2#





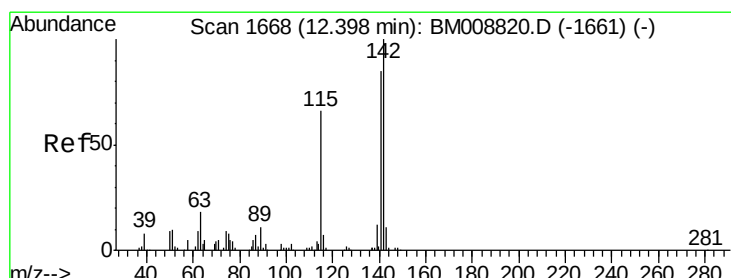
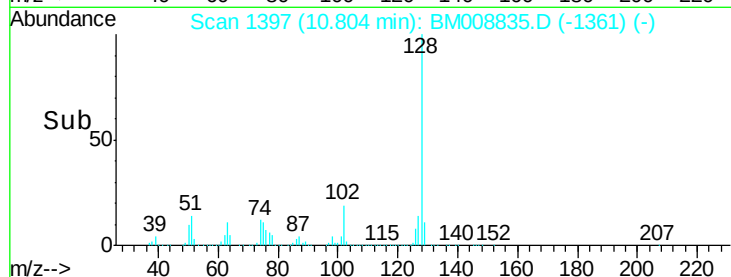
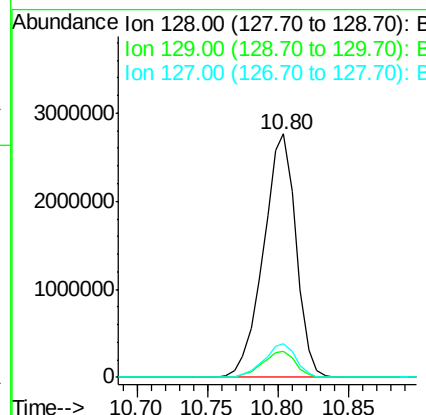
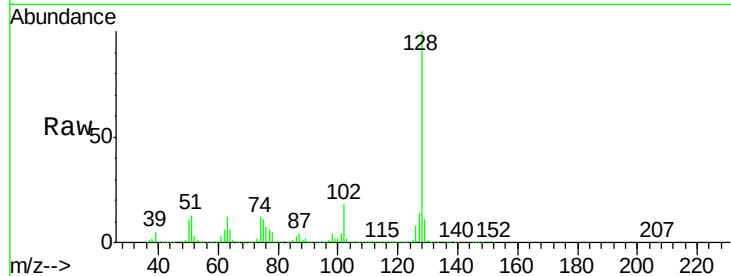
#28
Naphthalene
Concen: 300.56 ng/ul
RT: 10.80 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BM008835.D
Acq: 24 Jan 2017 11:32

Instrument :
BNA_M
ClientSampleId :
DA9R6DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.3	12.5
127	13.7	10.6	16.0

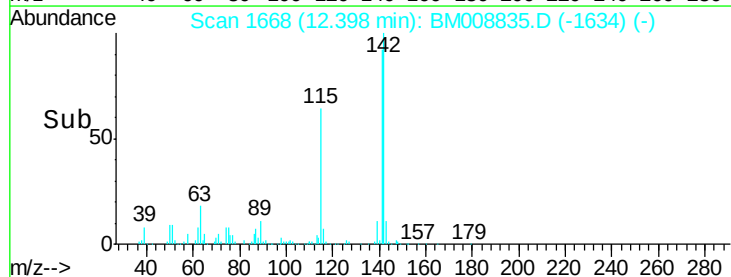
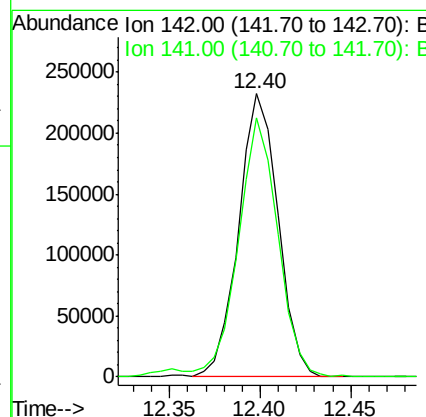
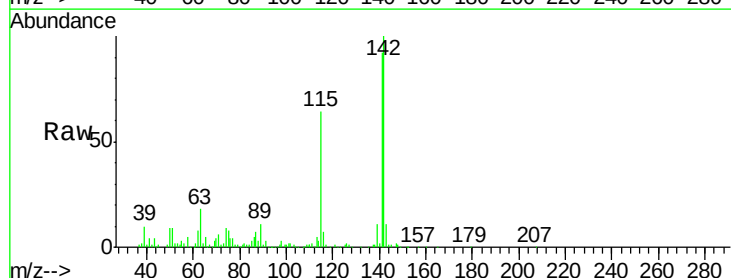
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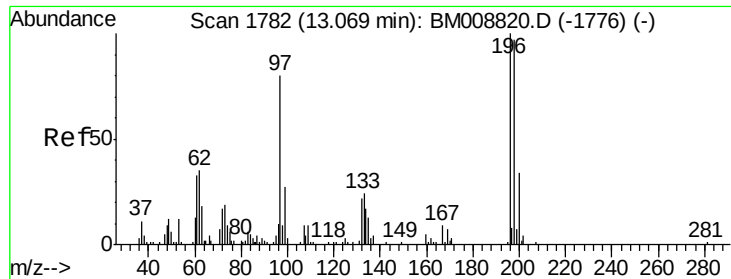
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#34
2-Methylnaphthalene
Concen: 29.11 ng/ul
RT: 12.40 min Scan# 1668
Delta R.T. 0.00 min
Lab File: BM008835.D
Acq: 24 Jan 2017 11:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.0	109.4





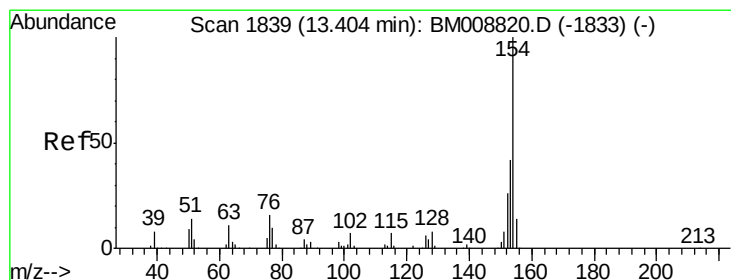
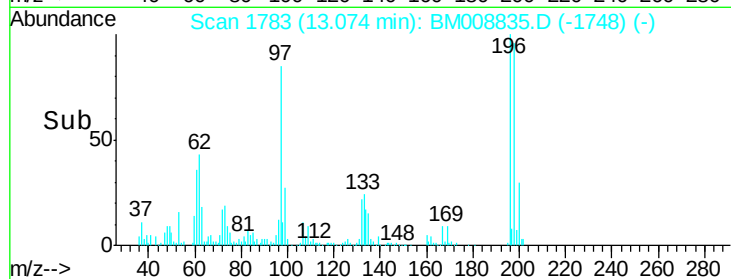
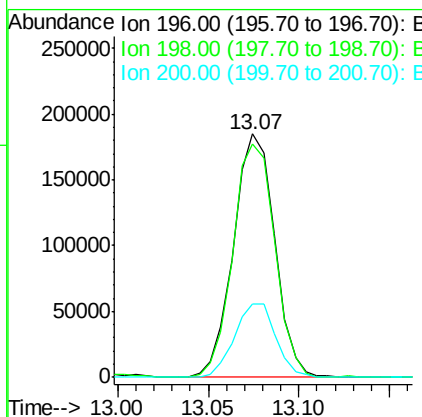
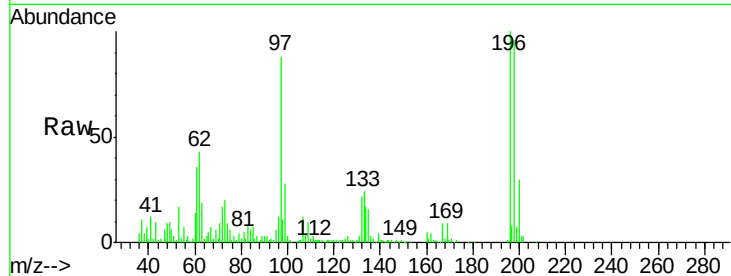
#39
 2,4,5-Trichlorophenol
 Concen: 47.72 ng/ul
 RT: 13.07 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BM008835.D
 Acq: 24 Jan 2017 11:32

Instrument :
 BNA_M
 ClientSampleId :
 DA9R6DL

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	291904		
198	95.6	77.8	116.6	
200	30.2	23.6	35.4	

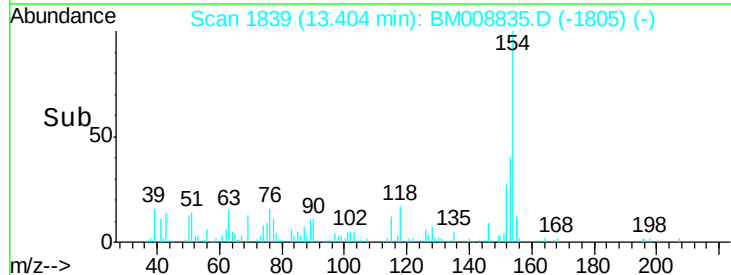
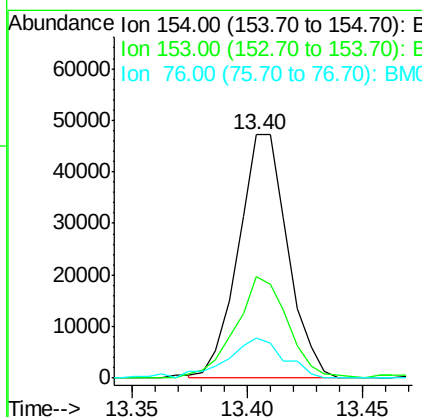
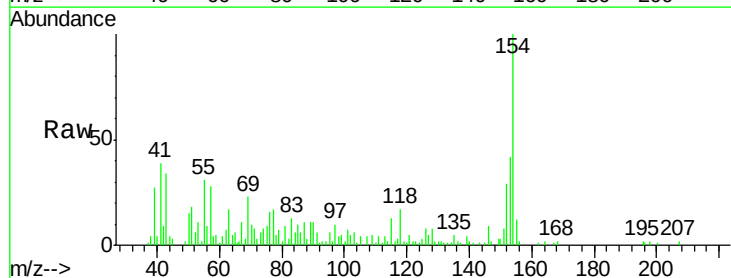
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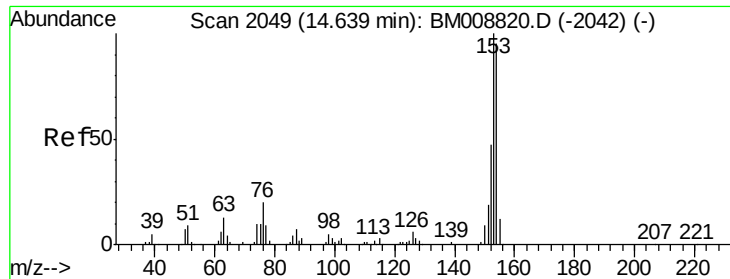
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#40
 1,1'-Biphenyl
 Concen: 3.70 ng/ul
 RT: 13.40 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BM008835.D
 Acq: 24 Jan 2017 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	70207		
153	41.7	32.2	48.4	
76	16.2	9.8	14.6	





#49

Acenaphthene

Concen: 10.68 ng/ul

RT: 14.62 min Scan# 2046

Delta R.T. -0.02 min

Lab File: BM008835.D

Acq: 24 Jan 2017 11:32

Instrument :

BNA_M

ClientSampleId :

DA9R6DL

Tgt Ion:153 Resp: 172432
Ion Ratio Lower Upper

153 100

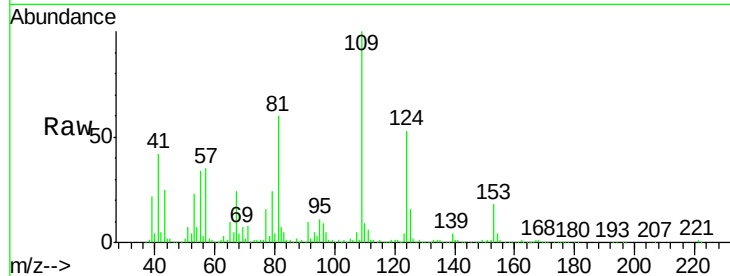
152 7.2 36.4 54.6#

154 22.6 68.7 103.1#

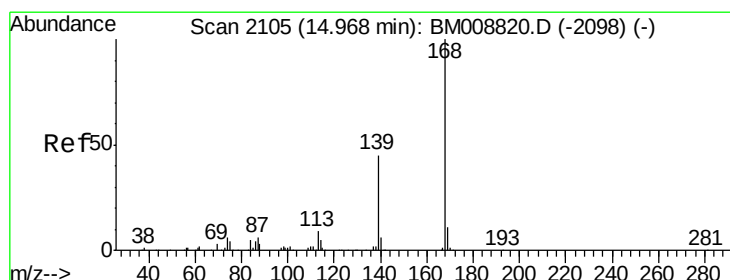
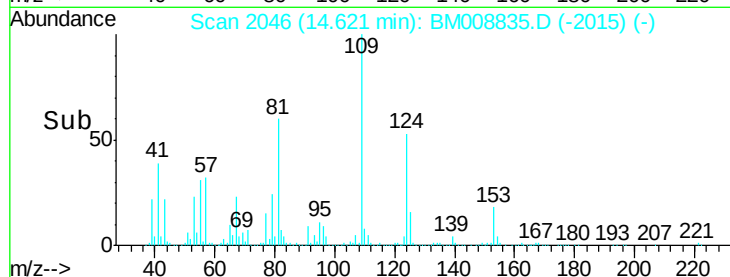
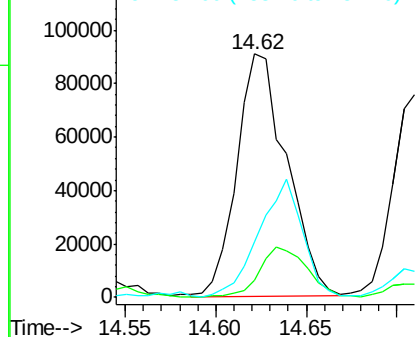
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 20.11 ng/ul

RT: 14.97 min Scan# 2106

Delta R.T. 0.01 min

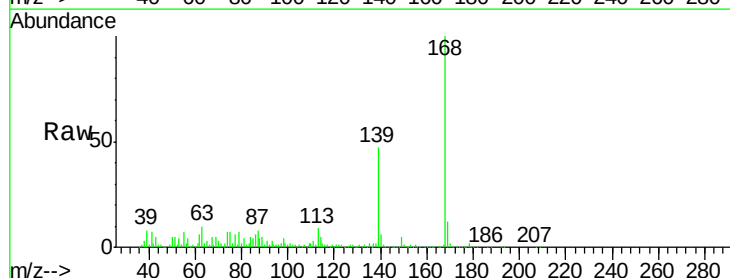
Lab File: BM008835.D

Acq: 24 Jan 2017 11:32

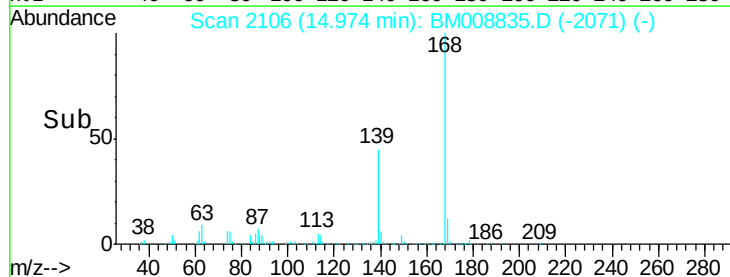
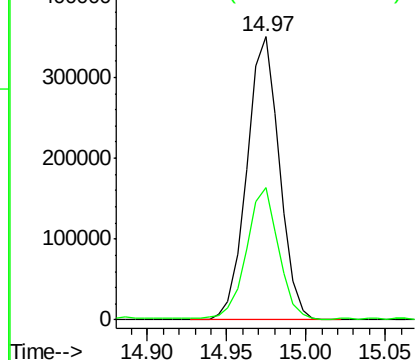
Tgt Ion:168 Resp: 499200
Ion Ratio Lower Upper

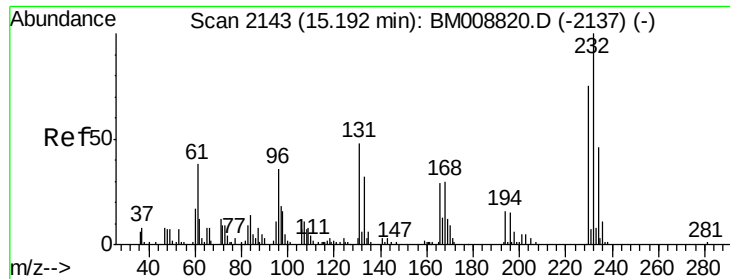
168 100

139 46.8 30.3 45.5#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#55

2,3,4,6-Tetrachlorophenol

Concen: 2.59 ng/ul

RT: 15.20 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BM008835.D

Acq: 24 Jan 2017 11:32

Instrument :

BNA_M

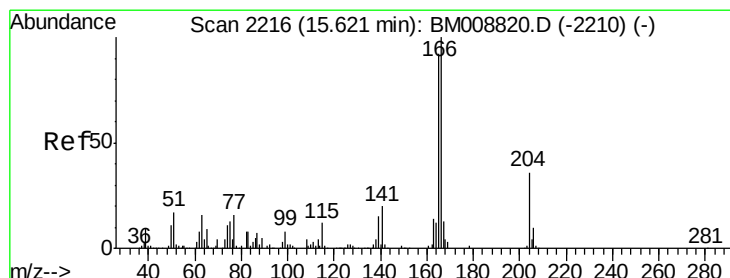
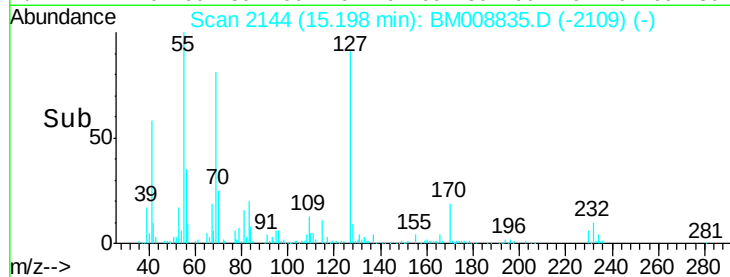
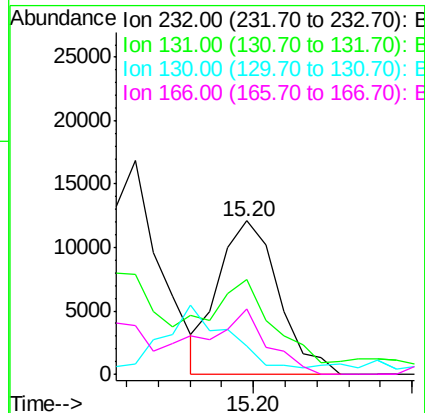
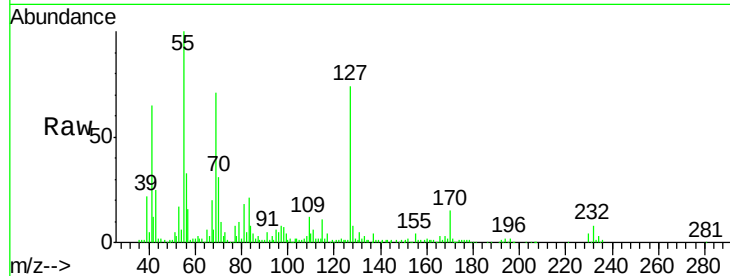
ClientSampleId :

DA9R6DL

Tgt Ion:	232	Resp:	15931
Ion Ratio	Lower	Upper	
232	100		
131	62.0	31.8	47.8#
130	18.4	1.8	2.6#
166	42.6	21.6	32.4#

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#58

Fluorene

Concen: 18.23 ng/ul

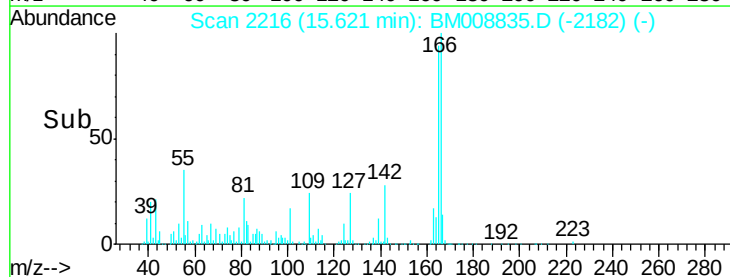
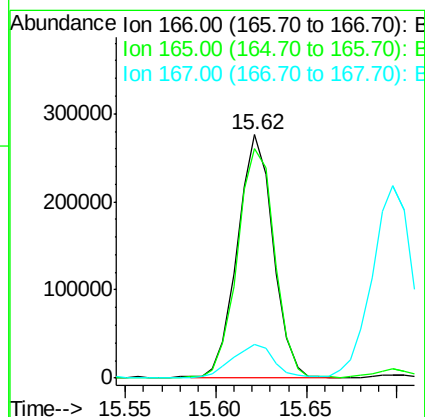
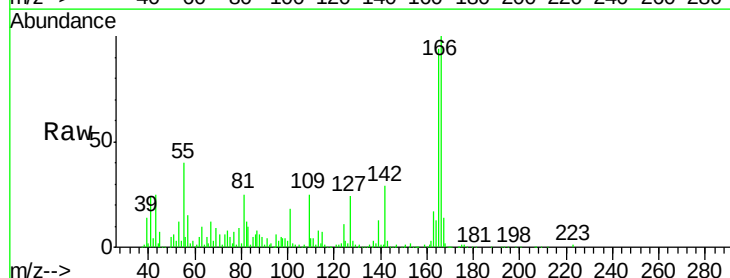
RT: 15.62 min Scan# 2216

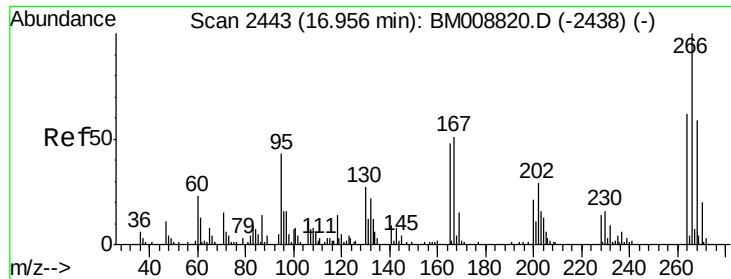
Delta R.T. 0.00 min

Lab File: BM008835.D

Acq: 24 Jan 2017 11:32

Tgt Ion:	166	Resp:	378100
Ion Ratio	Lower	Upper	
166	100		
165	94.1	80.2	120.2
167	13.9	10.9	16.3





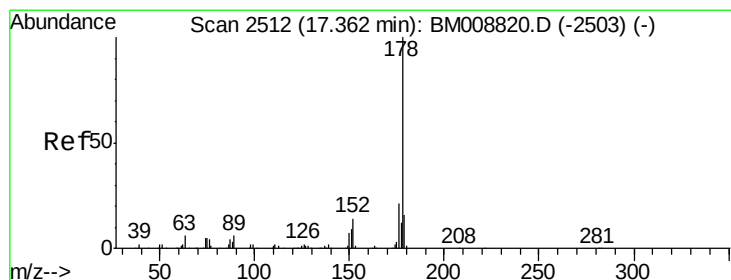
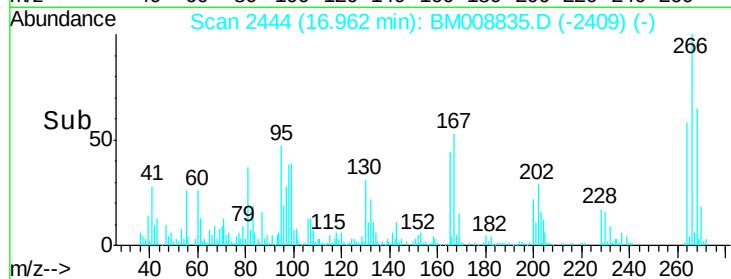
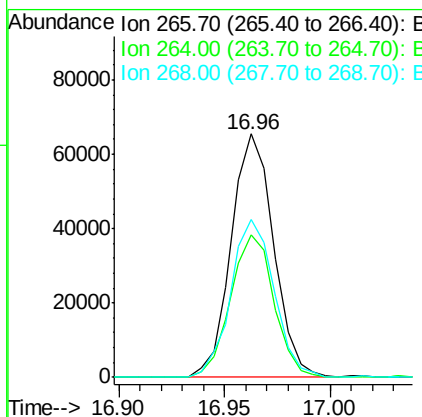
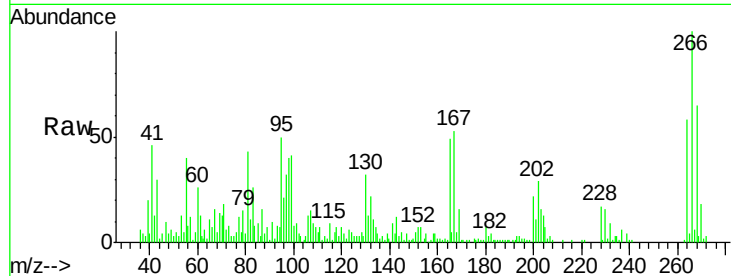
#68
 Pentachlorophenol
 Concen: 18.27 ng/ul
 RT: 16.96 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM008835.D
 Acq: 24 Jan 2017 11:32

Instrument :
 BNA_M
 ClientSampled :
 DA9R6DL

Tgt Ion	Ratio	Lower	Upper
266	100		
264	58.4	50.6	75.8
268	64.9	49.1	73.7

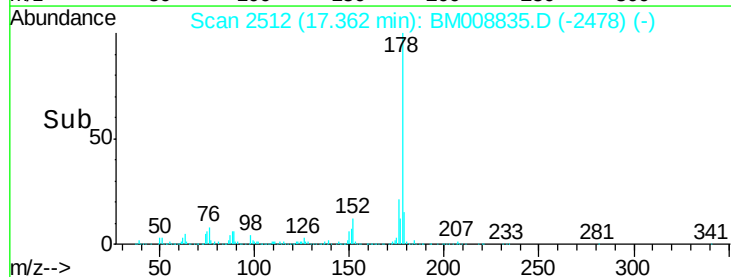
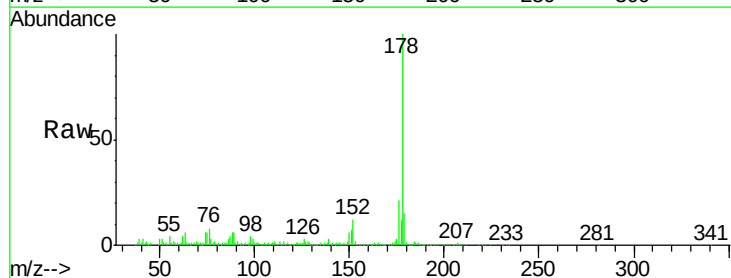
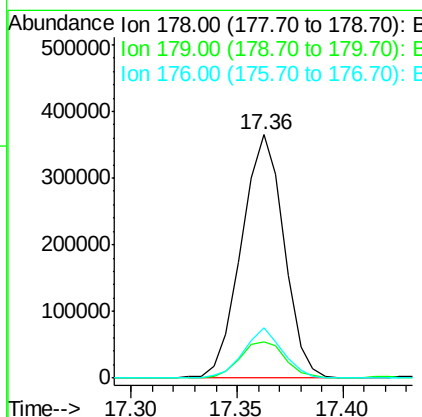
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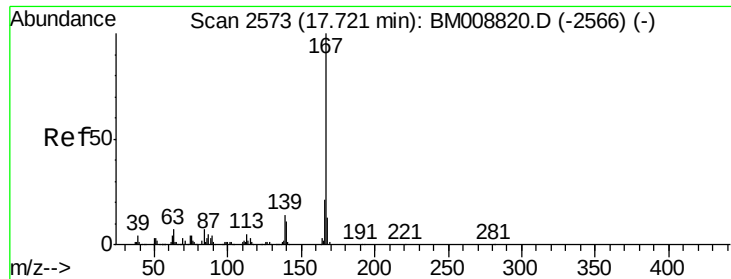
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#69
 Phenanthrene
 Concen: 16.03 ng/ul
 RT: 17.36 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BM008835.D
 Acq: 24 Jan 2017 11:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.2	18.2
176	20.8	14.7	22.1





#72

Carbazole

Concen: 21.06 ng/ul

RT: 17.72 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BM008835.D

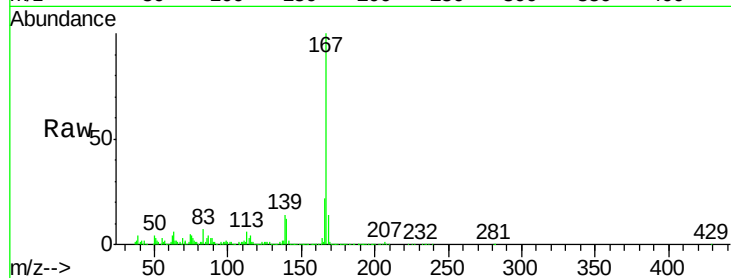
Acq: 24 Jan 2017 11:32

Instrument :

BNA_M

ClientSampleId :

DA9R6DL



Tgt Ion	Ratio	Resp	Lower	Upper
167	100	599811		
166	21.7		16.8	25.2
139	13.7		10.4	15.6

Manual Integrations
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