

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
 Data File : BM008379.D
 Acq On : 16 Dec 2016 18:37
 Operator : UM/SJ
 Sample : H6039-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8S5

Manual Integrations
 APPROVED

umangi
 12/20/2016 10:42:16 AM

Quant Time: Dec 19 09:31:06 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 02:12:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	110553	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	438614	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	300624	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	604182	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	744166	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	743130	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	6.86	99	71778	8.37	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.01	67	161636	32.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	183880	28.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	126546	19.05	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	118652	37.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	126531	36.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	217378	33.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	166300	22.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	714612	35.76	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	857513	36.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	33262m	11.30	ng/ul	0.03
57) Fluorene-d10	15.30	176	640115	36.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	100658	27.99	ng/ul	0.00
70) Anthracene-d10	17.16	188	970694	36.88	ng/ul	0.00
76) Pyrene-d10	19.46	212	1115893	38.83	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1109763	35.56	ng/ul	0.00

Target Compounds

						Ovalue
11) 2-Methylphenol	8.12	108	38491	5.91	ng/ul	99
24) 2,4-Dimethylphenol	9.63	107	304244m	37.91	ng/ul	
28) Naphthalene	10.49	128	540224	26.02	ng/ul	98
34) 2-Methylnaphthalene	12.10	142	218243	14.55	ng/ul	98
40) 1,1'-Biphenyl	13.13	154	192501	9.60	ng/ul#	97
49) Acenaphthene	14.37	153	60283	3.65	ng/ul	96
53) Dibenzofuran	14.70	168	79586	3.31	ng/ul	96
58) Fluorene	15.36	166	51243	2.59	ng/ul#	99

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

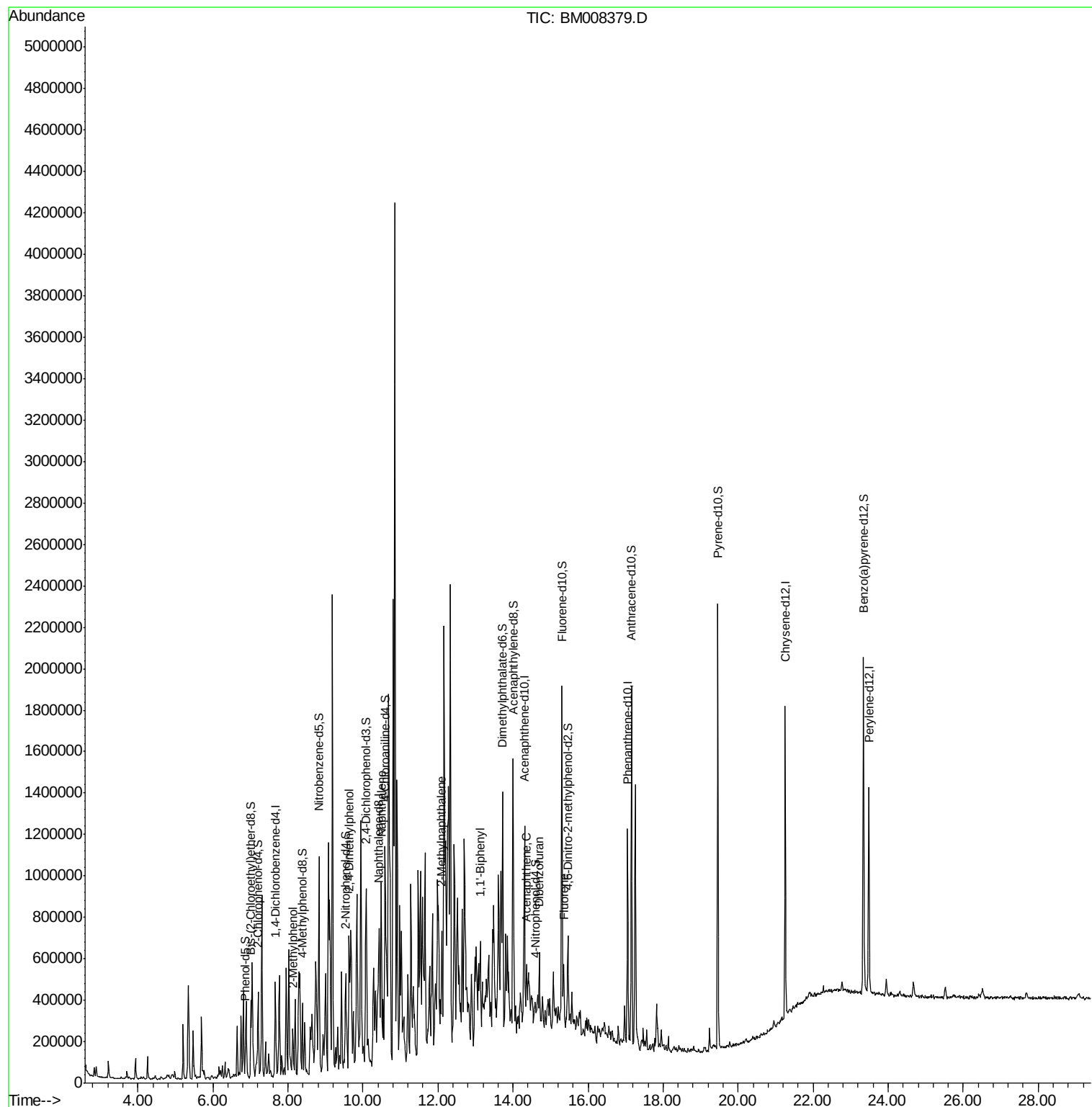
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008379.D
Acq On : 16 Dec 2016 18:37
Operator : UM/SJ
Sample : H6039-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

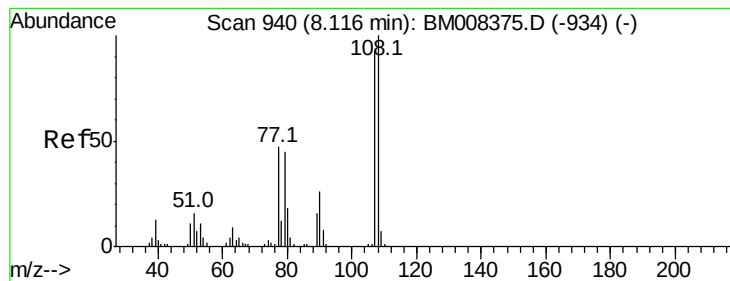
Instrument :
BNA_M
ClientSampleId :
DA8S5

Quant Time: Dec 19 09:31:06 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121716.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 02:12:55 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

umangi
12/20/2016 10:42:16 AM





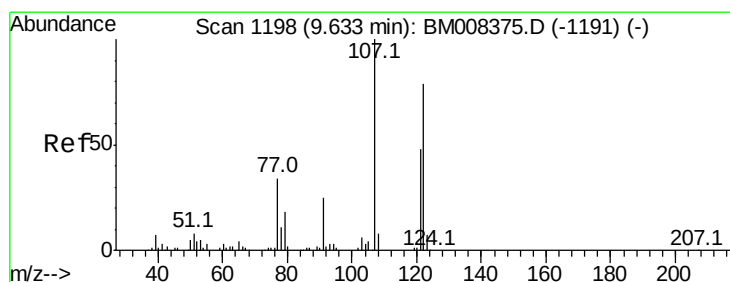
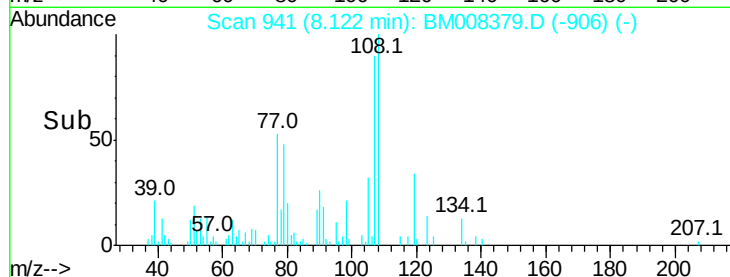
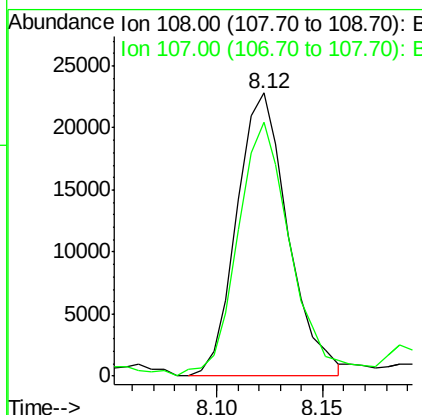
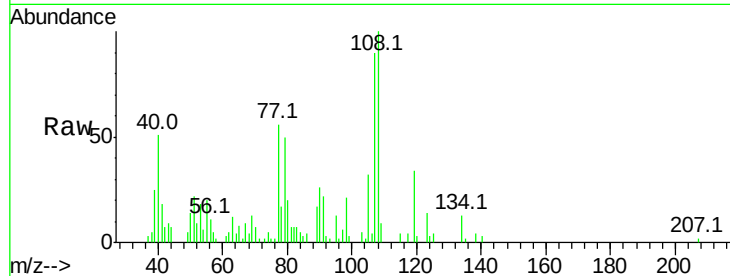
#11
2-Methylphenol
Concen: 5.91 ng/ul
RT: 8.12 min Scan# 941
Delta R.T. 0.01 min
Lab File: BM008379.D
Acq: 16 Dec 2016 18:37

Instrument :
BNA_M
ClientSampleId :
DA8S5

Tot Ion	Ratio	Lower	Upper
108	100		
107	89.9	70.8	106.2

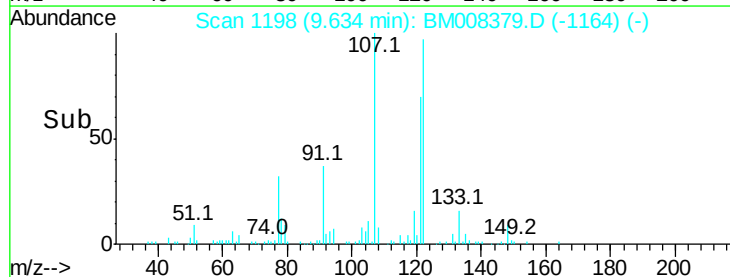
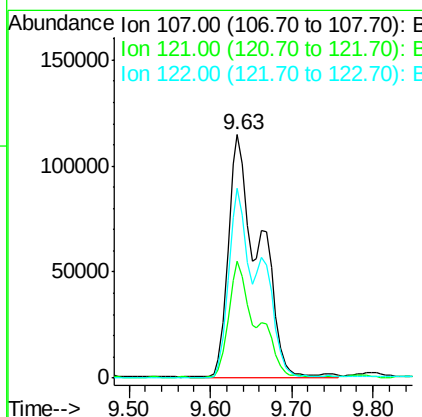
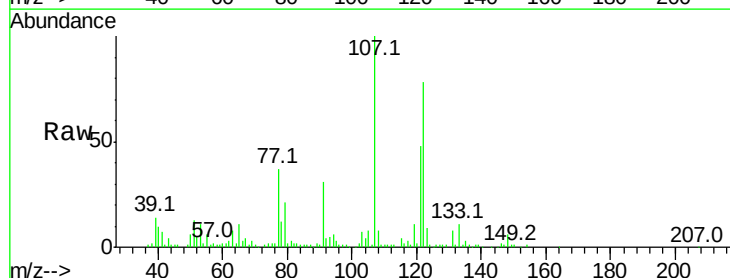
Manual Integrations
APPROVED

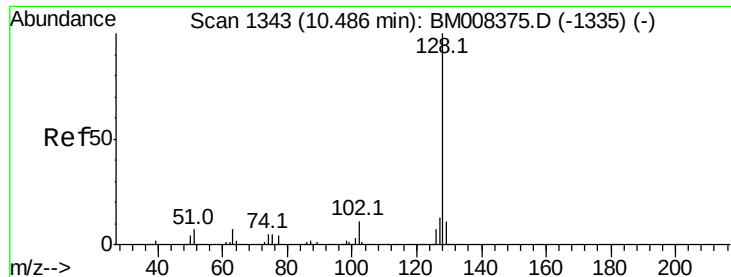
umangi
12/20/2016 10:42:16 AM



#24
2,4-Dimethylphenol
Concen: 37.91 ng/ul m
RT: 9.63 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BM008379.D
Acq: 16 Dec 2016 18:37

Tgt Ion	Ratio	Lower	Upper
107	100		
121	47.8	37.3	55.9
122	78.0	58.2	87.4





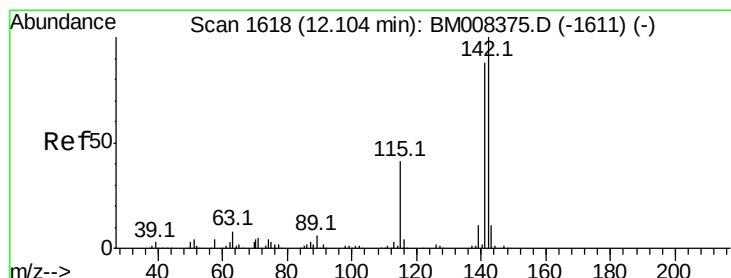
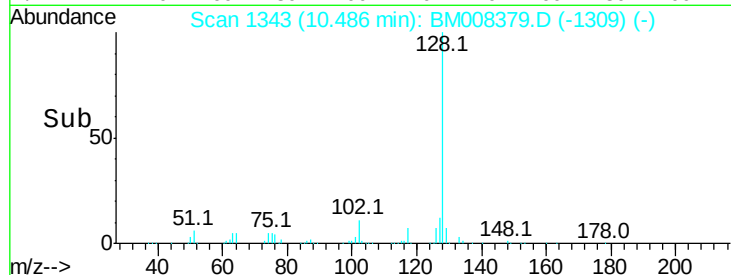
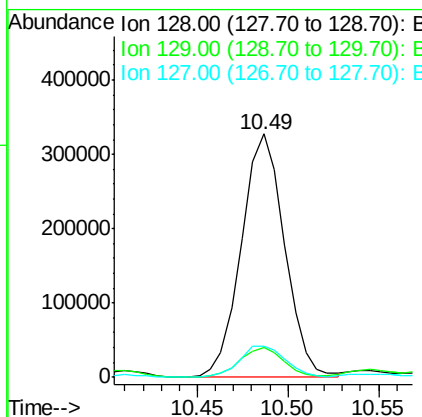
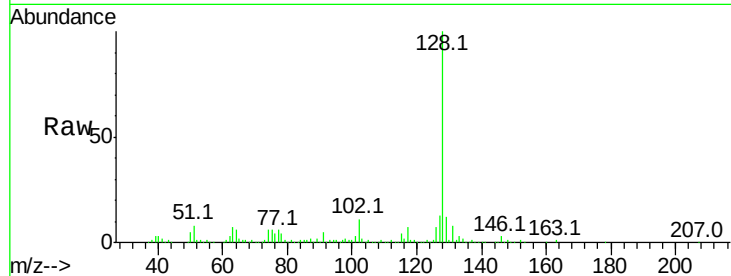
#28
Naphthalene
Concen: 26.02 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM008379.D
Acq: 16 Dec 2016 18:37

Instrument :
BNA_M
ClientSampleId :
DA8S5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	540224		
129	12.2		8.4	12.6
127	13.0		10.4	15.6

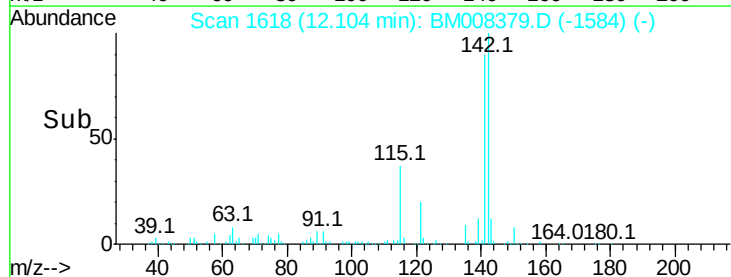
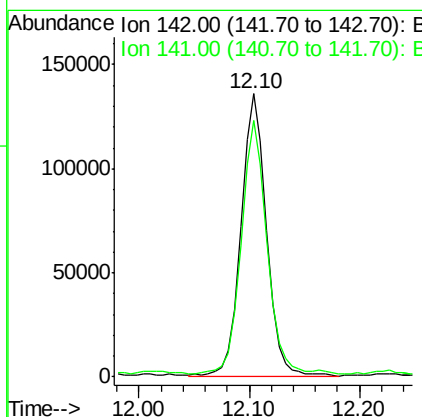
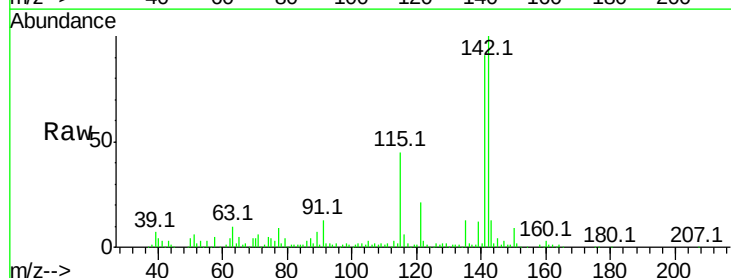
Manual Integrations
APPROVED

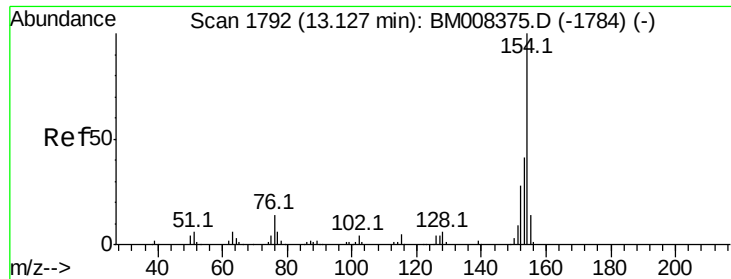
umangi
12/20/2016 10:42:16 AM



#34
2-Methylnaphthalene
Concen: 14.55 ng/ul
RT: 12.10 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BM008379.D
Acq: 16 Dec 2016 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	218243		
141	90.7		71.1	106.7





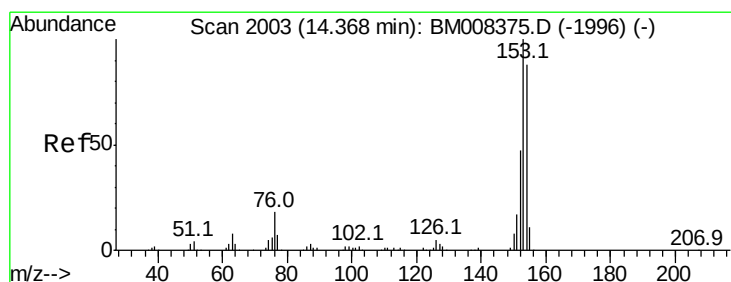
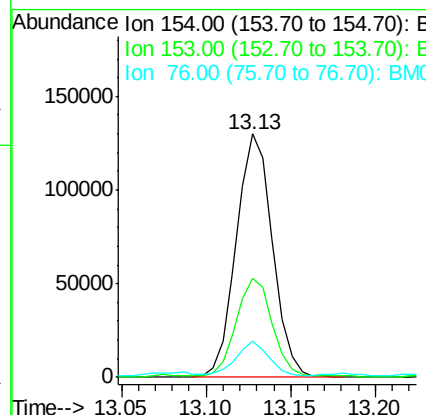
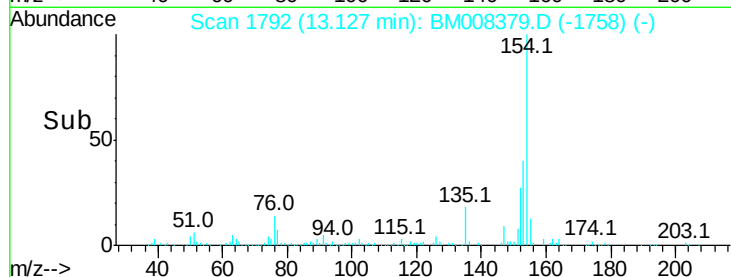
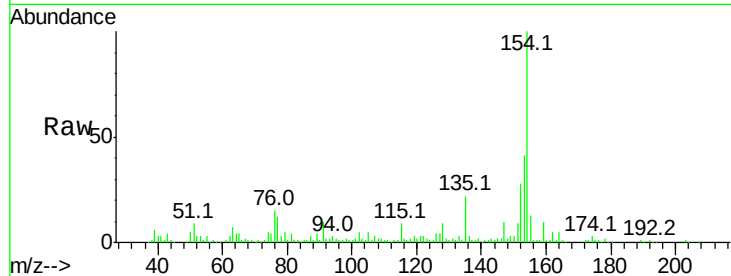
#40
 1,1'-Biphenyl
 Concen: 9.60 ng/ul
 RT: 13.13 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BM008379.D
 Acq: 16 Dec 2016 18:37

Instrument :
 BNA_M
 ClientSampleId :
 DA8S5

Tot Ion	Ratio	Resp	Lower	Upper
154	100	192501		
153	40.8	32.0	48.0	
76	14.8	9.4	14.0	

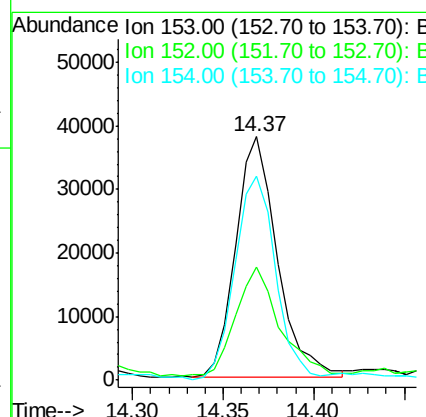
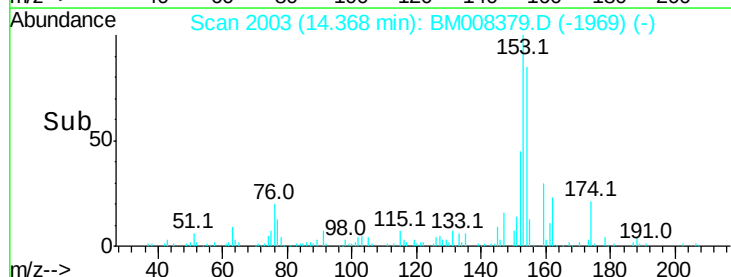
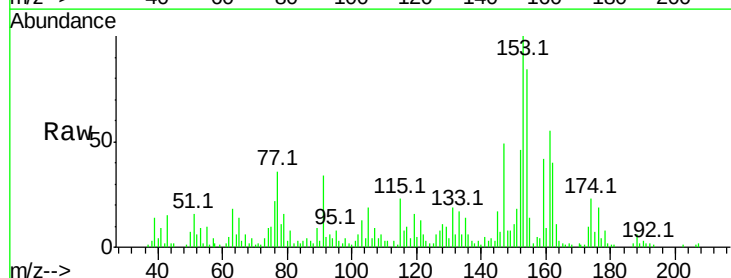
Manual Integrations
 APPROVED

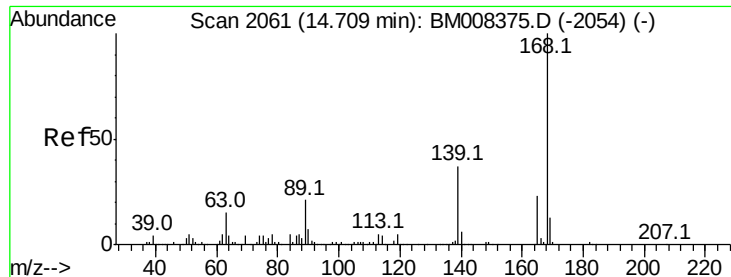
umangi
 12/20/2016 10:42:16 AM



#49
 Acenaphthene
 Concen: 3.65 ng/ul
 RT: 14.37 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: BM008379.D
 Acq: 16 Dec 2016 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	60283		
152	46.4	36.6	54.8	
154	83.9	71.4	107.2	





#53

Dibenzenofuran

Concen: 3.31 ng/ul

RT: 14.70 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BM008379.D

Acq: 16 Dec 2016 18:37

Instrument :

BNA_M

ClientSampled :

DA8S5

Tot Ion:168 Resp: 79586

Ion Ratio Lower Upper

168 100

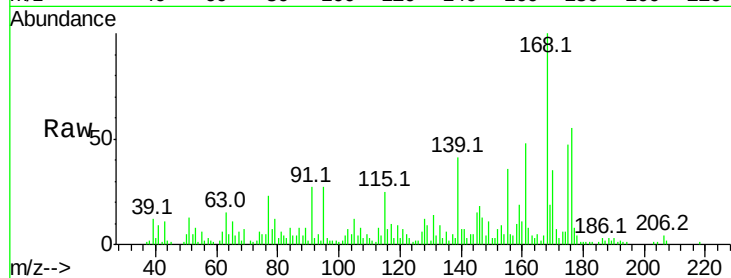
139 40.7 30.5 45.7

Manual Integrations

APPROVED

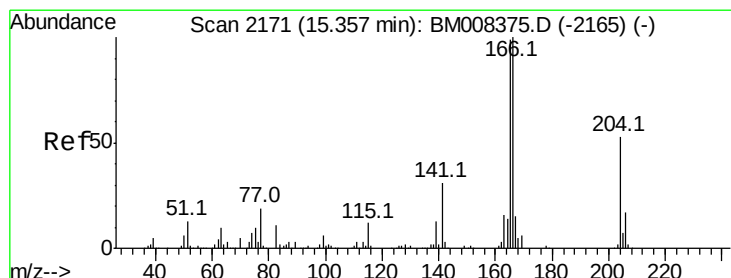
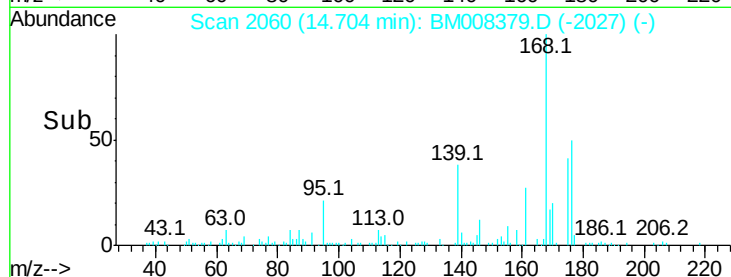
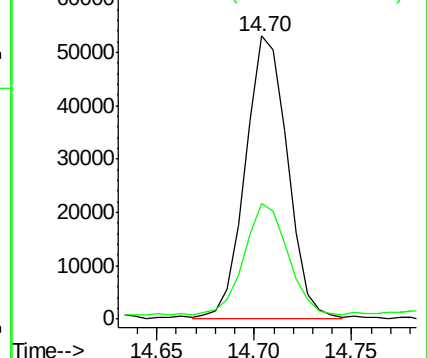
umangi

12/20/2016 10:42:16 AM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 2.59 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BM008379.D

Acq: 16 Dec 2016 18:37

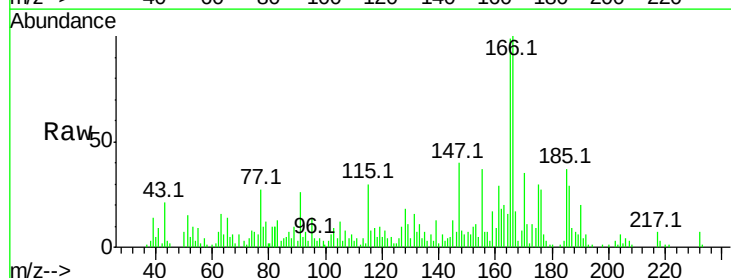
Tgt Ion:166 Resp: 51243

Ion Ratio Lower Upper

166 100

165 98.9 79.3 118.9

167 17.0 10.7 16.1#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

