

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
 Data File : BM010547.D
 Acq On : 12 Jun 2017 22:21
 Operator : SJ/MA
 Sample : I3558-14DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F5C87DL

Manual Integrations
 APPROVED

mohammad
 6/13/2017 3:54:34 PM

Quant Time: Jun 13 04:00:59 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 13 03:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	106317	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	390854	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	274146	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	770815	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1151289	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1179537	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	6017	2.32	ng/uL	0.00
5) Phenol-d5	7.07	99	104516	12.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	61516	13.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	90710	14.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	91905	14.14	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	39456	13.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	52176	15.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	117238	17.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	106079	16.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	407530	17.89	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	434849	16.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	44318	13.00	ng/ul	0.00
57) Fluorene-d10	15.52	176	352912	17.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	55122	10.10	ng/ul	0.00
70) Anthracene-d10	17.37	188	621493	16.57	ng/ul	0.00
76) Pyrene-d10	19.66	212	797387	16.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	883559	16.09	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	7.10	94	36619	4.434	ng/ul#	77
11) 2-Methylphenol	8.35	108	15524	2.575	ng/ul	88
16) 4-Methylphenol	8.67	108	42600	6.442	ng/ul	96
24) 2,4-Dimethylphenol	9.87	107	36057	4.410	ng/ul	92
28) Naphthalene	10.74	128	872594	44.511	ng/ul	98
34) 2-Methylnaphthalene	12.34	142	107906	7.260	ng/ul	97
40) 1,1'-Biphenyl	13.36	154	34059	1.531	ng/ul#	81
44) Dimethylphthalate	13.99	163	165349	7.381	ng/ul	99
49) Acenaphthene	14.59	153	100944	5.543	ng/ul	97
53) Dibenzofuran	14.92	168	147922	5.493	ng/ul	99
58) Fluorene	15.57	166	142426	6.448	ng/ul	90
69) Phenanthrene	17.32	178	754914	18.345	ng/ul	97
71) Anthracene	17.40	178	228149	5.311	ng/ul	95
72) Carbazole	17.69	167	159394	4.384	ng/ul	96
74) Fluoranthene	19.32	202	521979	10.315	ng/ul#	95
77) Pyrene	19.69	202	339141	5.716	ng/ul#	94
80) Benzo(a)anthracene	21.42	228	130860	2.016	ng/ul	96
82) Chrysene	21.47	228	95144m	1.621	ng/ul	

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

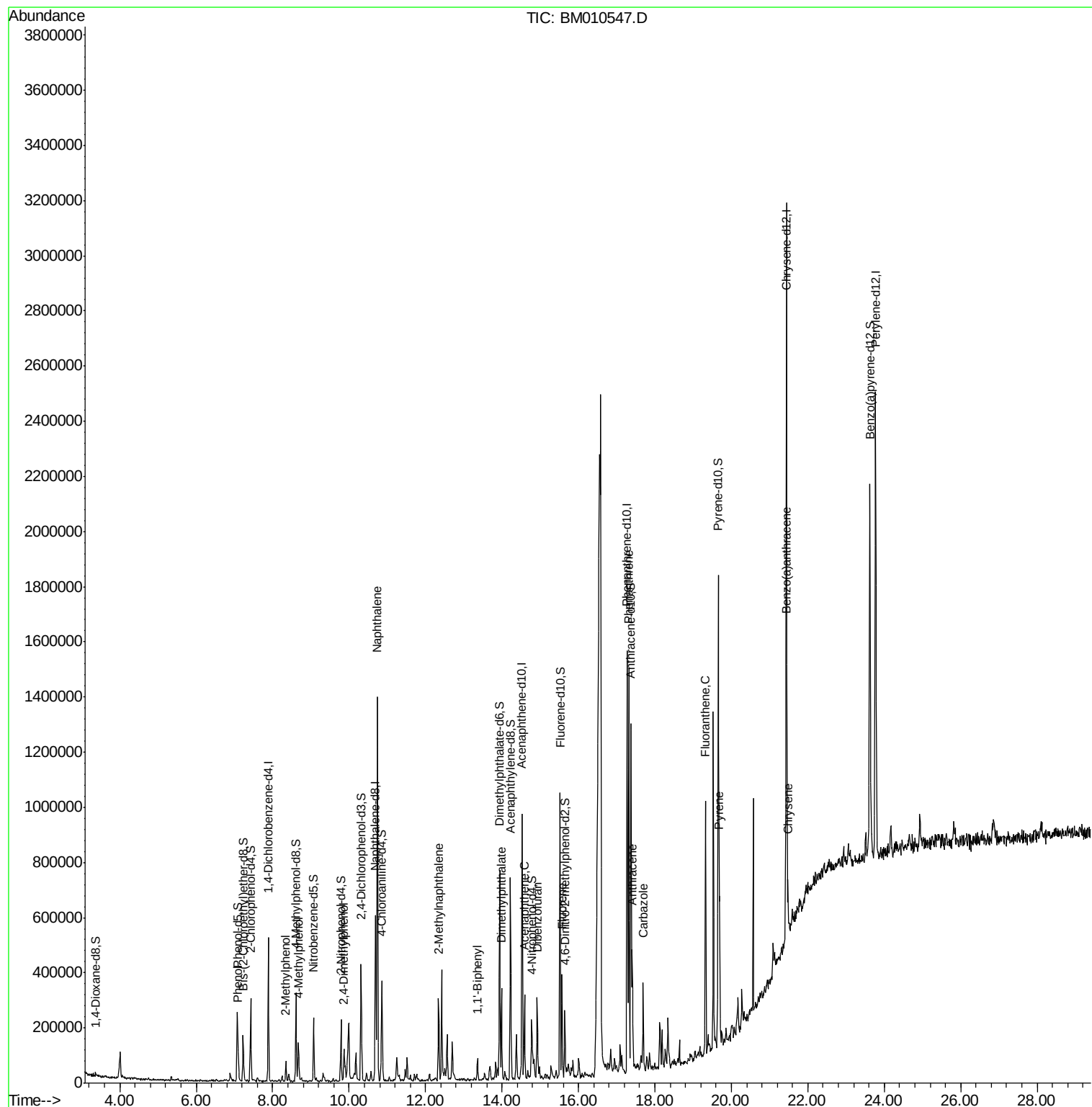
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010547.D
Acq On : 12 Jun 2017 22:21
Operator : SJ/MA
Sample : I3558-14DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

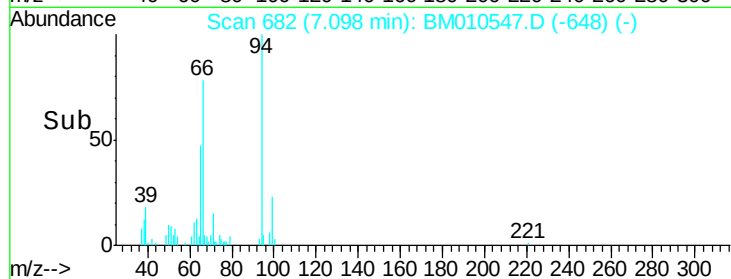
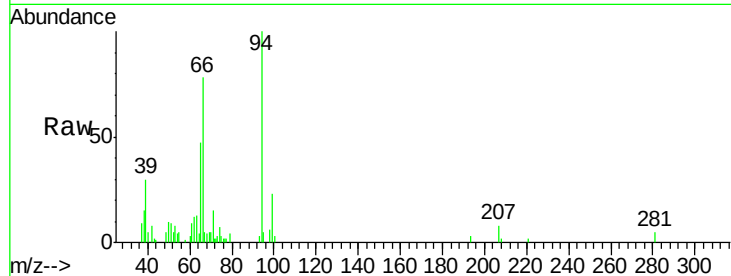
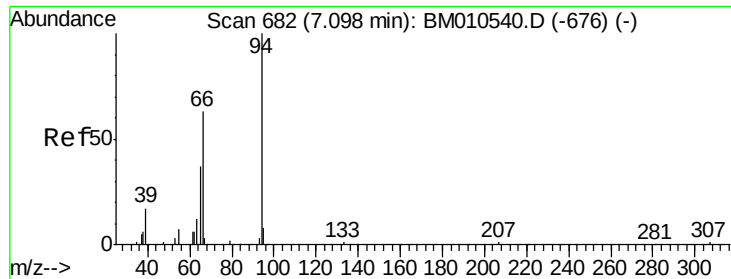
Instrument :
BNA_M
ClientSampleId :
F5C87DL

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Quant Time: Jun 13 04:00:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration





#6

Phenol

Concen: 4.434 ng/ul

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

Tgt Ion:	94	Resp:	36619
Ion Ratio	Lower	Upper	
94	100		
65	46.9	28.2	42.4#
66	77.5	47.2	70.8#

Instrument :

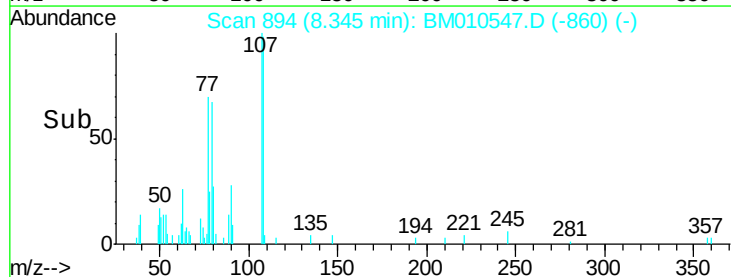
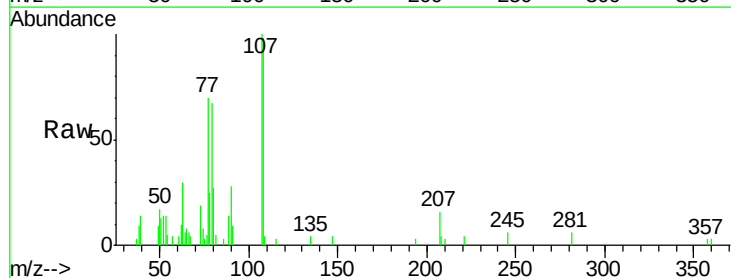
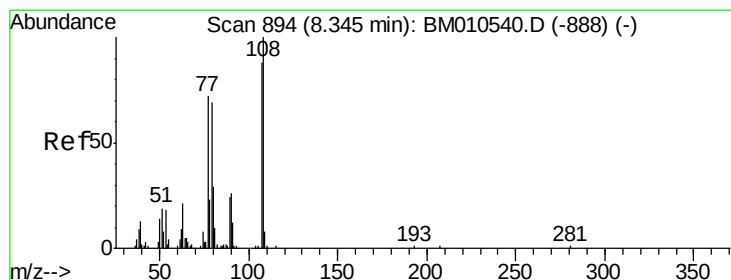
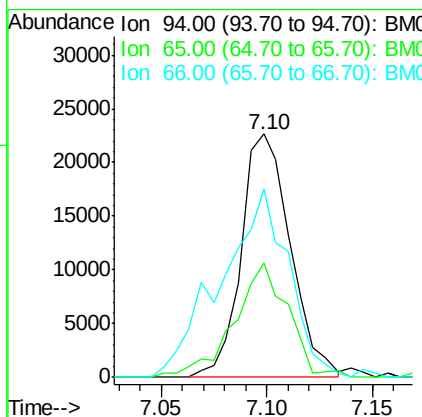
BNA_M

ClientSampleId :

F5C87DL

Manual Integrations
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#11

2-Methylphenol

Concen: 2.575 ng/ul

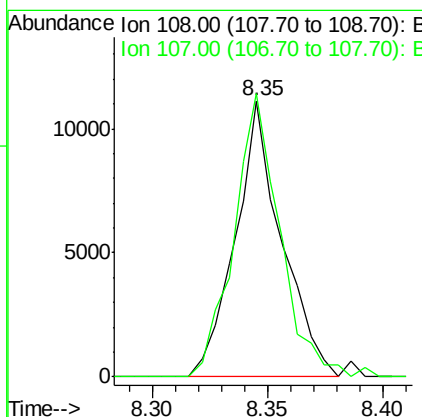
RT: 8.35 min Scan# 894

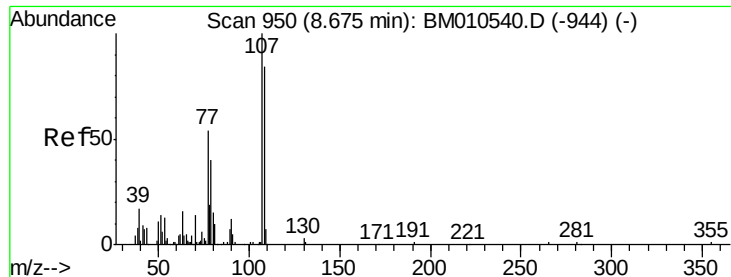
Delta R.T. -0.00 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

Tgt Ion:	108	Resp:	15524
Ion Ratio	Lower	Upper	
108	100		
107	102.5	72.6	108.8





#16

4-Methylphenol

Concen: 6.442 ng/ul

RT: 8.67 min Scan# 950

Delta R.T. -0.00 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

Instrument :

BNA_M

ClientSampled :

F5C87DL

Tgt Ion:108 Resp: 42600

Ion Ratio Lower Upper

108 100

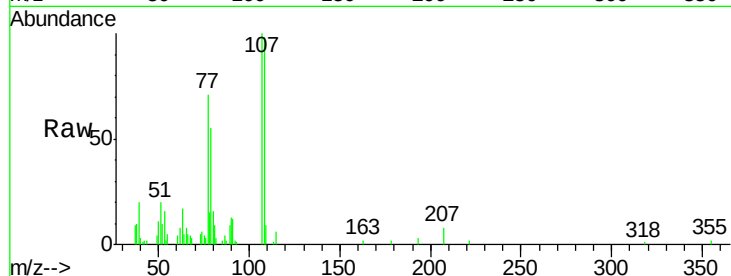
107 102.2 84.9 127.3

Manual Integrations

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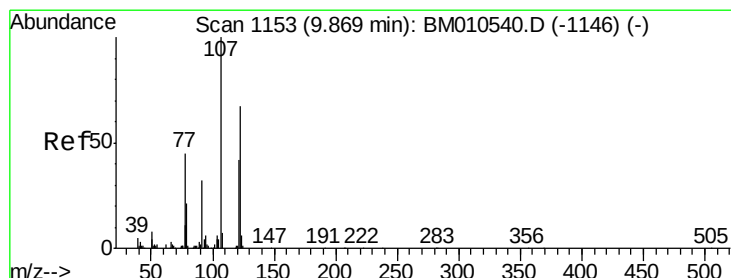
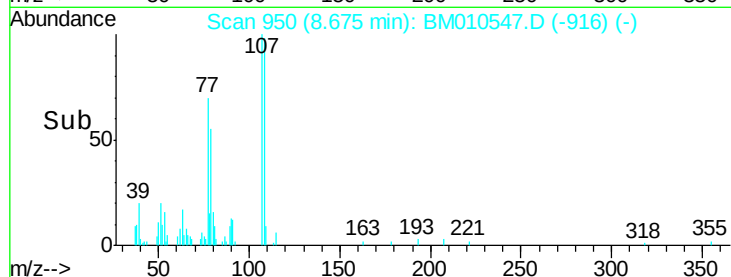
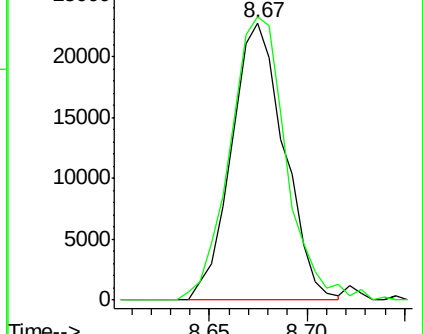
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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#24

2,4-Dimethylphenol

Concen: 4.410 ng/ul

RT: 9.87 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

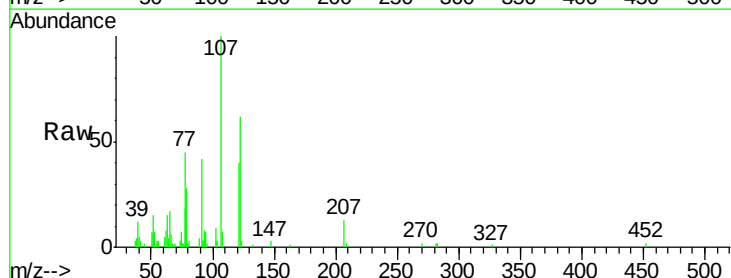
Tgt Ion:107 Resp: 36057

Ion Ratio Lower Upper

107 100

121 39.7 31.9 47.9

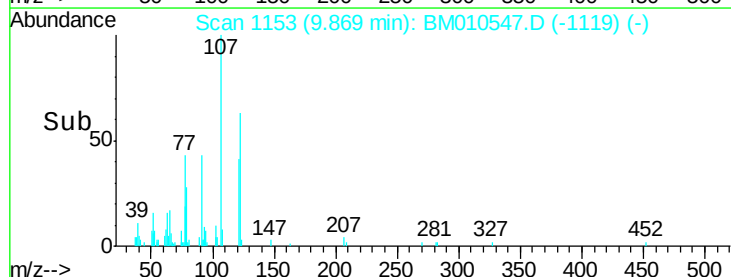
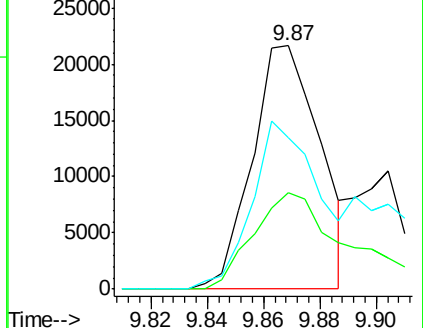
122 62.4 57.8 86.6

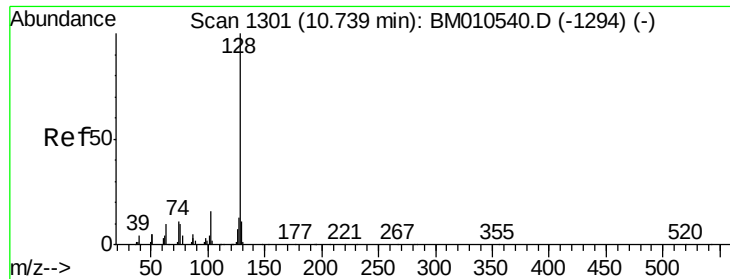


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





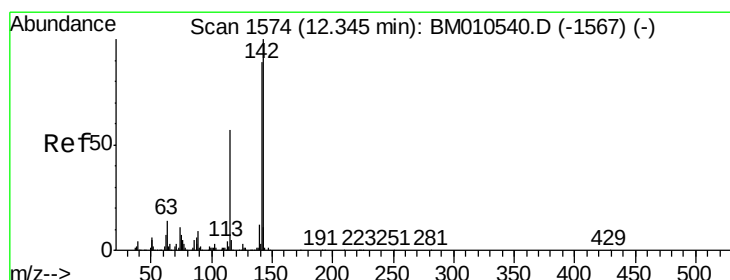
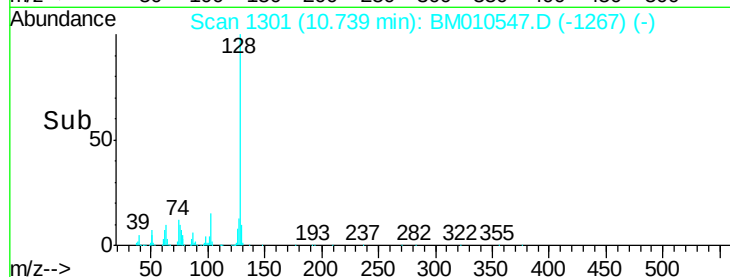
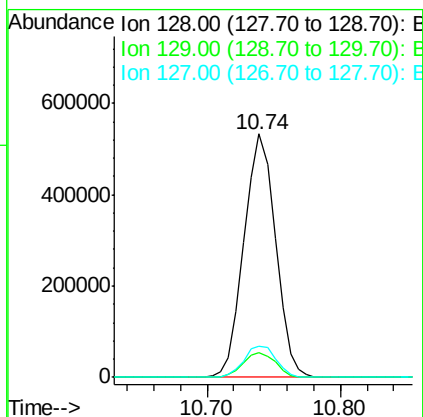
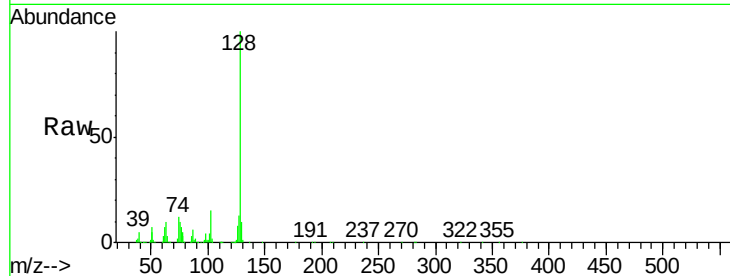
#28
Naphthalene
Concen: 44.511 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BM010547.D
Acq: 12 Jun 2017 22:21

Instrument :
BNA_M
ClientSampleId :
F5C87DL

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	872594		
129	10.2		8.8	13.2
127	12.7		10.6	16.0

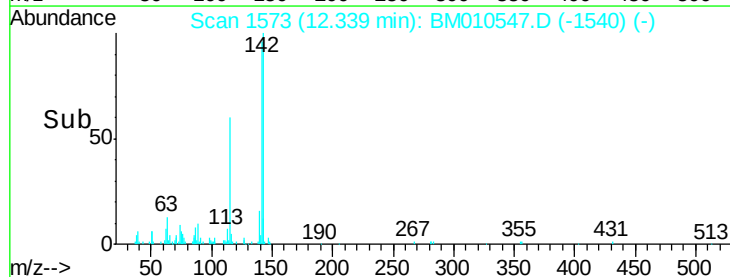
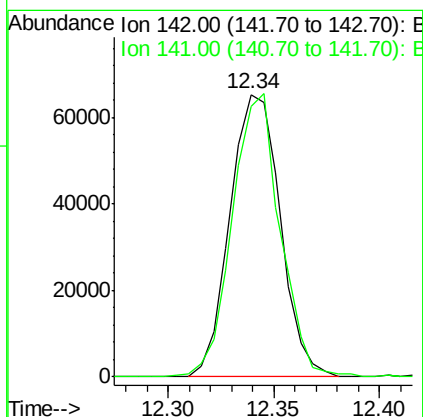
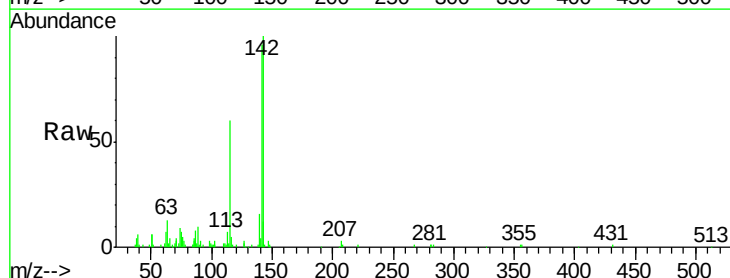
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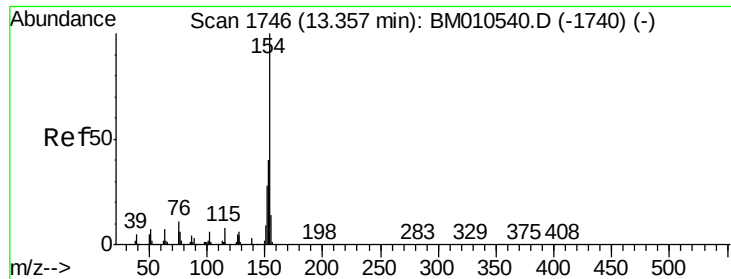
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#34
2-Methylnaphthalene
Concen: 7.260 ng/ul
RT: 12.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BM010547.D
Acq: 12 Jun 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	107906		
141	95.7		74.1	111.1





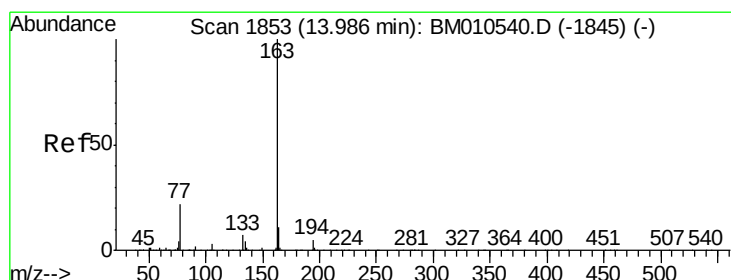
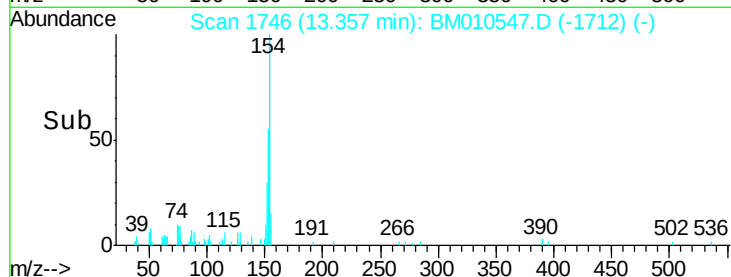
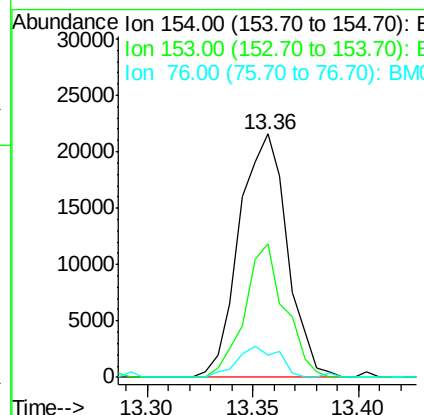
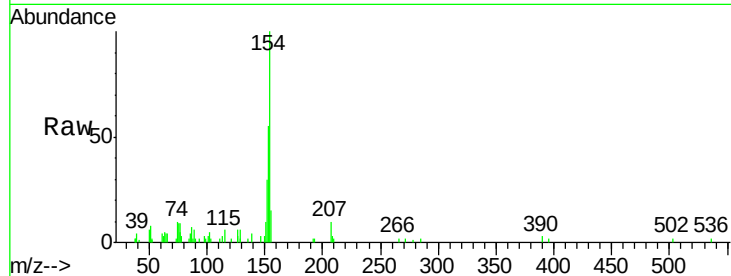
#40
 1,1'-Biphenyl
 Concen: 1.531 ng/ul
 RT: 13.36 min Scan# 1746
 Delta R.T. -0.00 min
 Lab File: BM010547.D
 Acq: 12 Jun 2017 22:21

Instrument :
 BNA_M
 ClientSampleId :
 F5C87DL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	34059		
153	54.7	32.6	48.8#	
76	9.0	8.5	12.7	

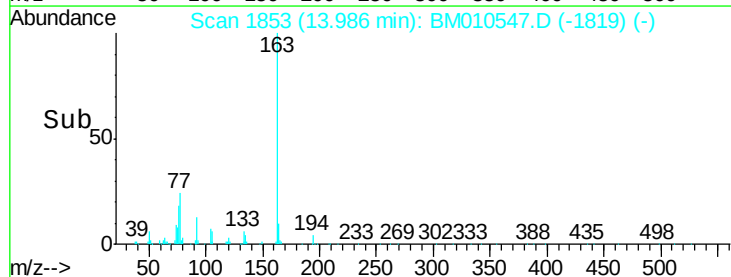
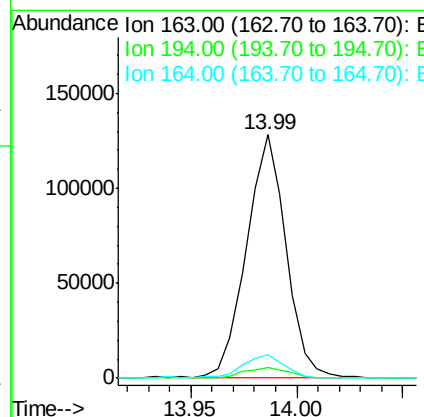
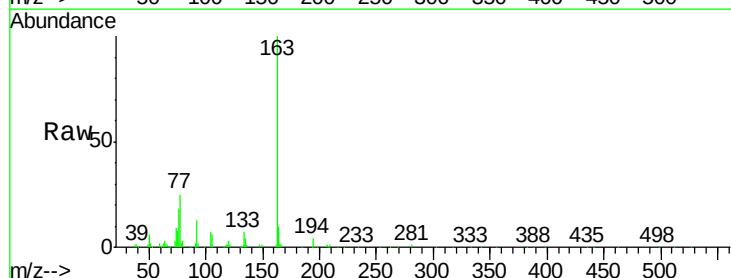
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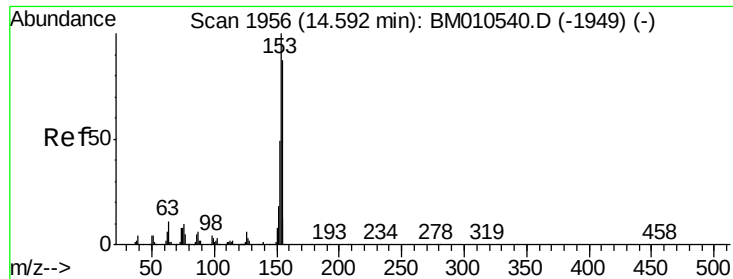
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#44
 Dimethylphthalate
 Concen: 7.381 ng/ul
 RT: 13.99 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BM010547.D
 Acq: 12 Jun 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	165349		
194	4.2	3.5	5.3	
164	9.8	8.2	12.4	





#49

Acenaphthene

Concen: 5.543 ng/ul

RT: 14.59 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

Instrument :

BNA_M

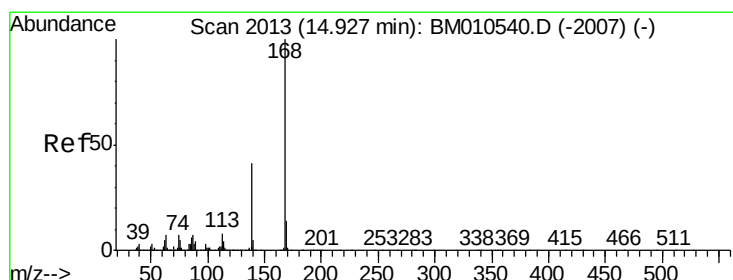
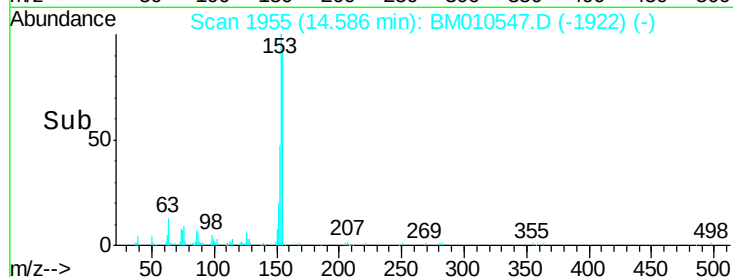
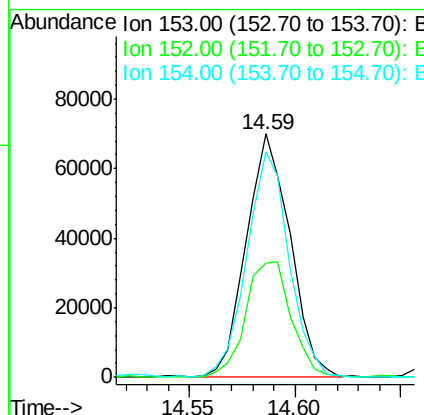
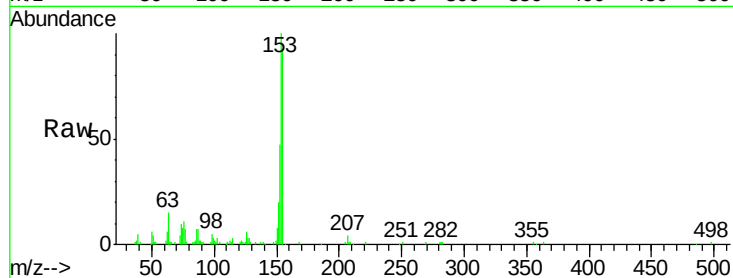
ClientSampleId :

F5C87DL

Tgt Ion:	153	Resp:	100944
Ion Ratio	Lower	Upper	
153	100		
152	47.1	37.6	56.4
154	92.6	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 5.493 ng/ul

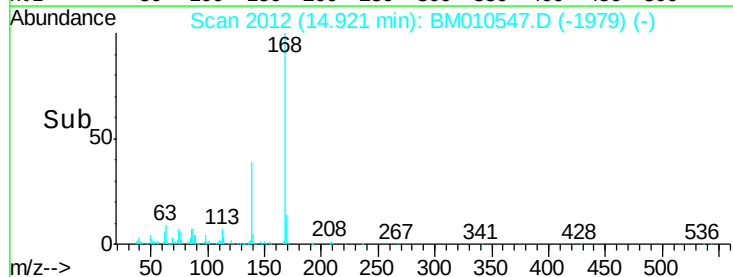
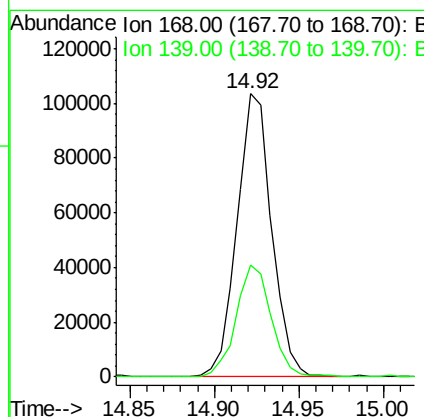
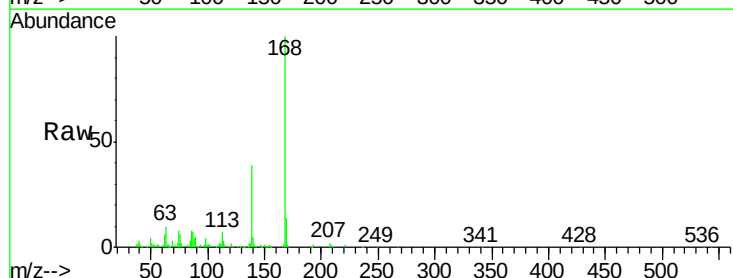
RT: 14.92 min Scan# 2012

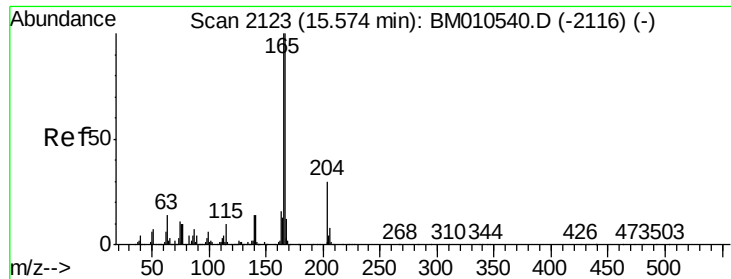
Delta R.T. -0.01 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

Tgt Ion:	168	Resp:	147922
Ion Ratio	Lower	Upper	
168	100		
139	39.4	30.8	46.2





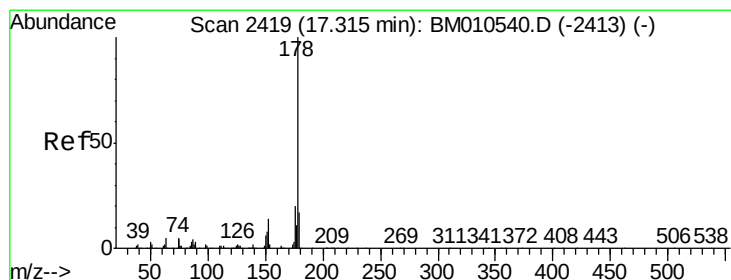
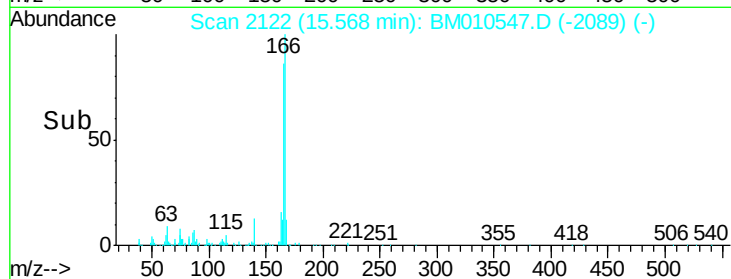
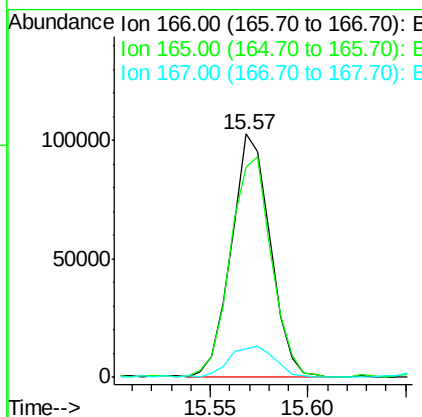
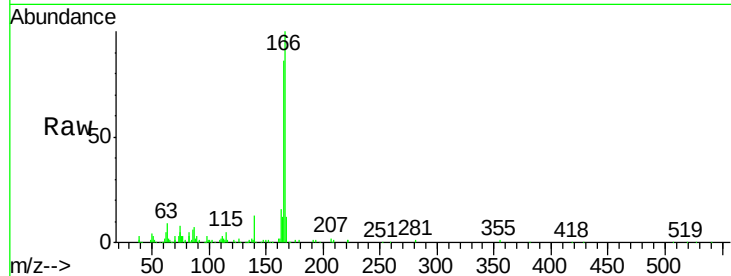
#58
Fluorene
 Concen: 6.448 ng/ul
 RT: 15.57 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BM010547.D
 Acq: 12 Jun 2017 22:21

Instrument :
 BNA_M
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 F5C87DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	142426		
165	86.4	77.9	116.9	
167	11.7	10.6	16.0	

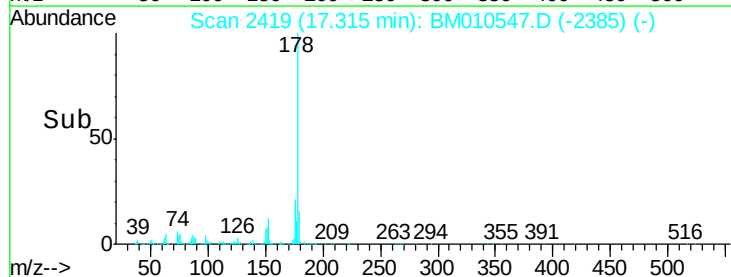
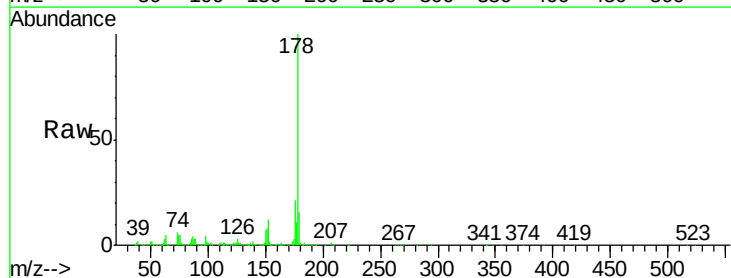
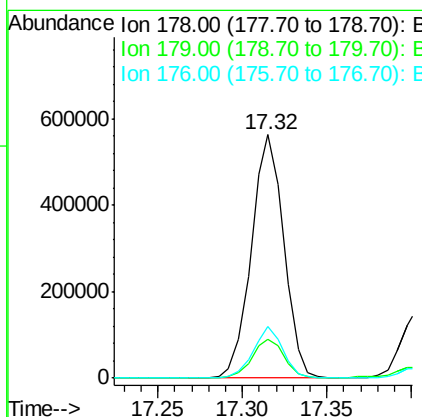
Manual Integrations
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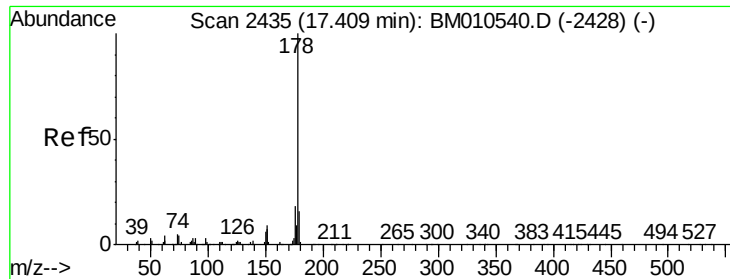
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#69
Phenanthrene
 Concen: 18.345 ng/ul
 RT: 17.32 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BM010547.D
 Acq: 12 Jun 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	754914		
179	16.0	12.6	19.0	
176	21.0	14.9	22.3	





#71

Anthracene

Concen: 5.311 ng/ul

RT: 17.40 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

Instrument :

BNA_M

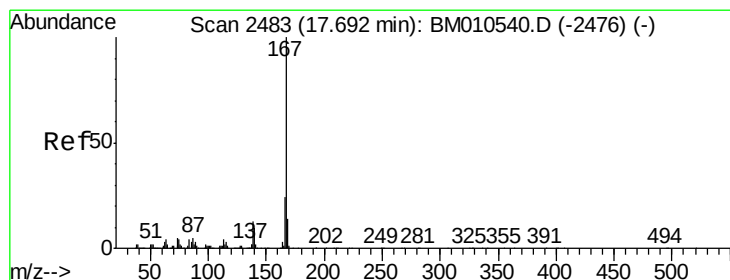
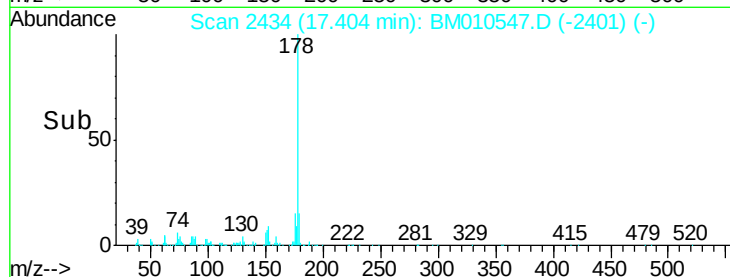
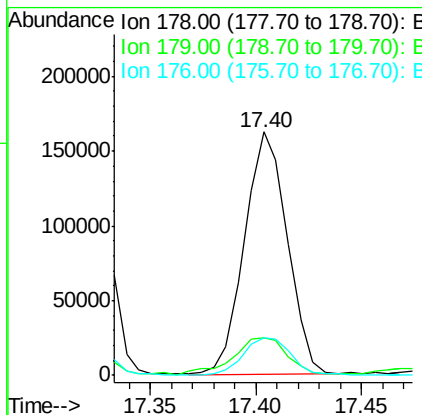
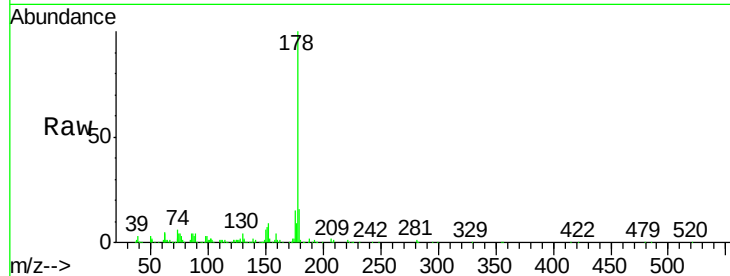
ClientSampleId :

F5C87DL

Tgt Ion:	178	Resp:	228149
Ion Ratio	Lower	Upper	
178	100		
179	15.6	11.7	17.5
176	15.4	14.6	21.8

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#72

Carbazole

Concen: 4.384 ng/ul

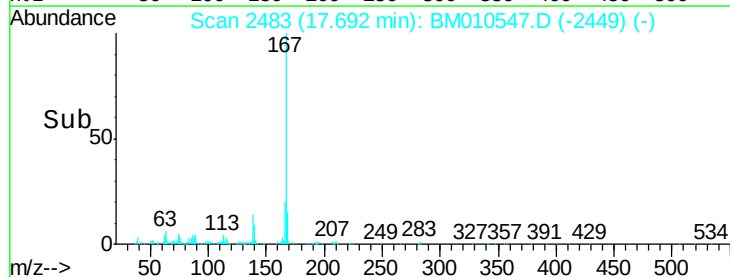
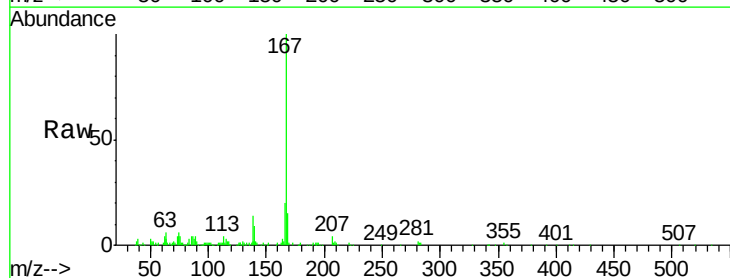
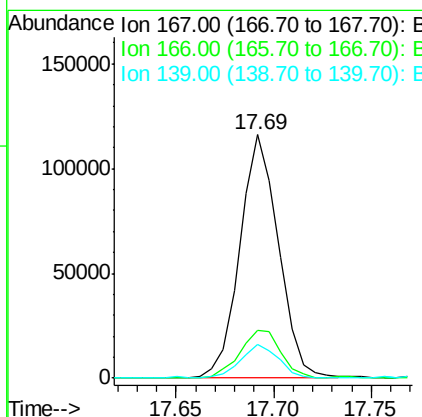
RT: 17.69 min Scan# 2483

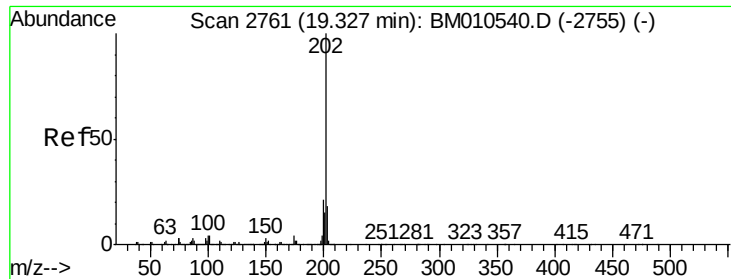
Delta R.T. -0.00 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

Tgt Ion:	167	Resp:	159394
Ion Ratio	Lower	Upper	
167	100		
166	19.6	17.1	25.7
139	13.7	10.0	15.0





#74

Fluoranthene

Concen: 10.315 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010547.D

Acq: 12 Jun 2017 22:21

Instrument :

BNA_M

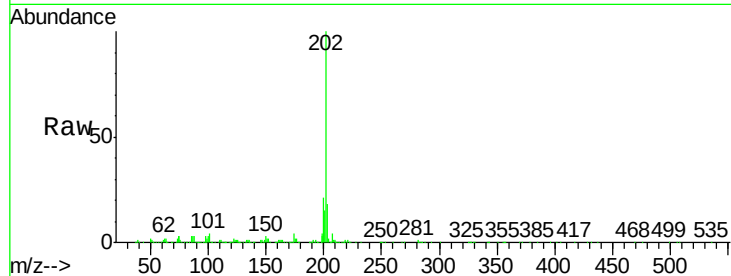
ClientSampled :

F5C87DL

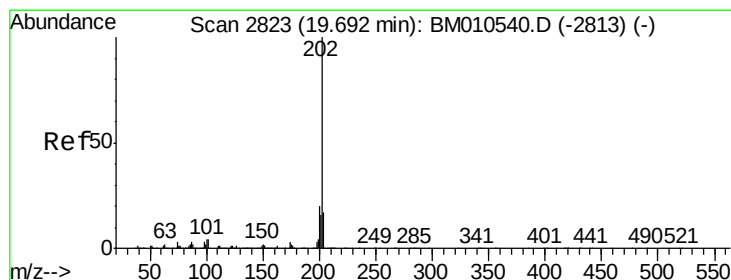
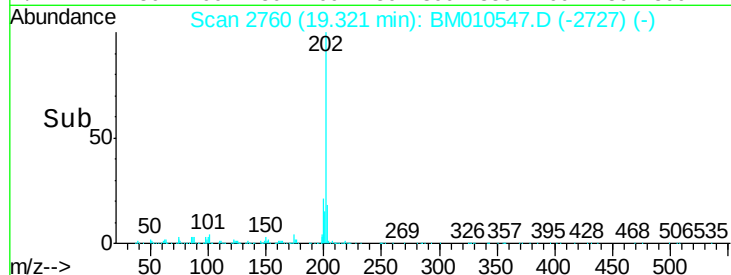
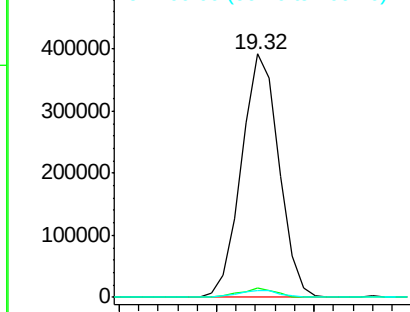
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		521979		
101	3.6		4.6		7.0#
100	3.0		3.4		5.2#

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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



#77

Pyrene

Concen: 5.716 ng/ul

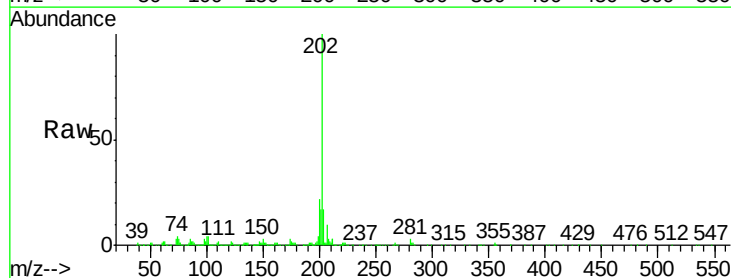
RT: 19.69 min Scan# 2822

Delta R.T. -0.01 min

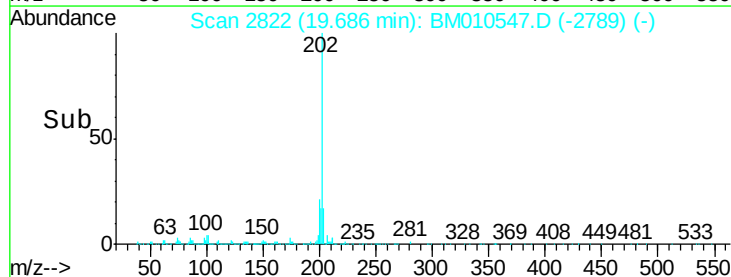
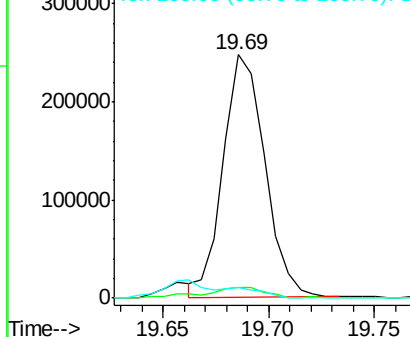
Lab File: BM010547.D

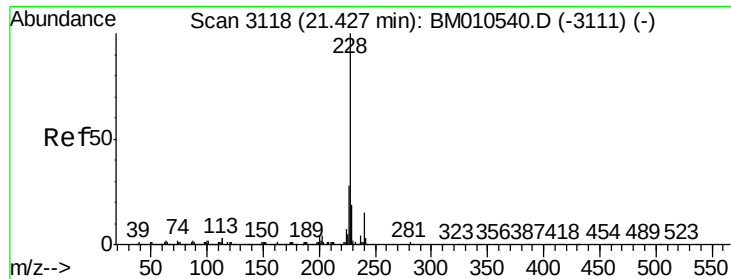
Acq: 12 Jun 2017 22:21

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		339141		
101	4.4		5.1		7.7#
100	4.1		4.9		7.3#



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





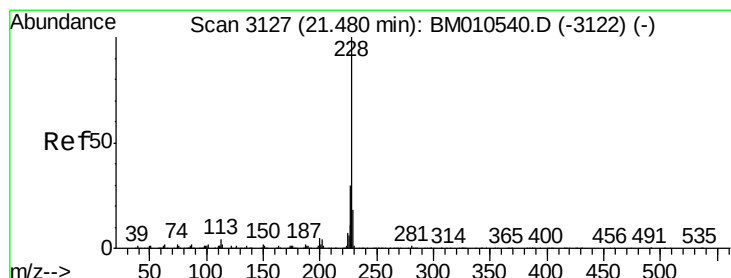
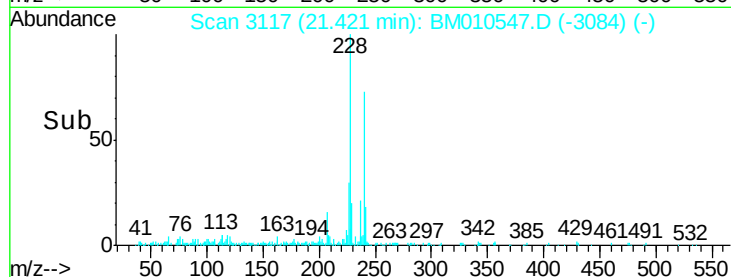
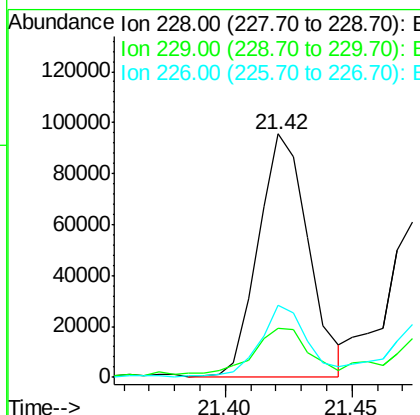
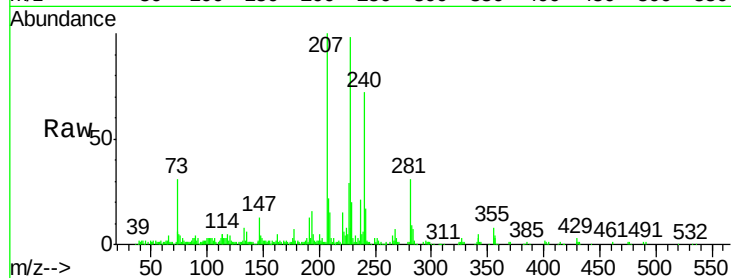
#80
Benzo(a)anthracene
Concen: 2.016 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM010547.D
Acq: 12 Jun 2017 22:21

Instrument :
BNA_M
ClientSampleId :
F5C87DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	29.5	21.4	32.0

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#82
Chrysene
Concen: 1.621 ng/ul m
RT: 21.47 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM010547.D
Acq: 12 Jun 2017 22:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	23.4	35.2
229	25.2	15.5	23.3#

