

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
 Data File : BM010546.D
 Acq On : 12 Jun 2017 21:45
 Operator : SJ/MA
 Sample : I3558-16DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C89DL

Manual Integrations
 APPROVED

mohammad
 6/13/2017 3:54:31 PM

Quant Time: Jun 13 03:56:05 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	109126	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	408402	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	285311	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	777202	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1158279	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1209084	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	2648m	1.00	ng/uL	0.00
5) Phenol-d5	7.07	99	47185	5.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	28434	6.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	39804	6.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	39833	5.97	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	16936	5.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	22962	6.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	49010	6.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	47073	6.85	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	178604	7.53	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	179248	6.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	19272m	5.43	ng/ul	0.00
57) Fluorene-d10	15.52	176	154803	7.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	23887	4.34	ng/ul	0.00
70) Anthracene-d10	17.37	188	268152	7.09	ng/ul	0.00
76) Pyrene-d10	19.66	212	346059	7.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	389149	6.91	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.74	128	725180	35.402	ng/ul	98
34) 2-Methylnaphthalene	12.35	142	145213	9.350	ng/ul	97
40) 1,1'-Biphenyl	13.36	154	42132	1.820	ng/ul#	94
44) Dimethylphthalate	13.99	163	78644	3.373	ng/ul#	98
49) Acenaphthene	14.59	153	119823	6.322	ng/ul	97
53) Dibenzofuran	14.92	168	158083	5.641	ng/ul	98
58) Fluorene	15.57	166	153457	6.675	ng/ul	96
69) Phenanthrene	17.32	178	723470	17.437	ng/ul	99
71) Anthracene	17.40	178	200113	4.620	ng/ul	97
72) Carbazole	17.69	167	183737	5.012	ng/ul	98
74) Fluoranthene	19.32	202	490227	9.608	ng/ul#	94
77) Pyrene	19.69	202	342020	5.730	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	113197	1.733	ng/ul	96
82) Chrysene	21.47	228	82047	1.390	ng/ul	99

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

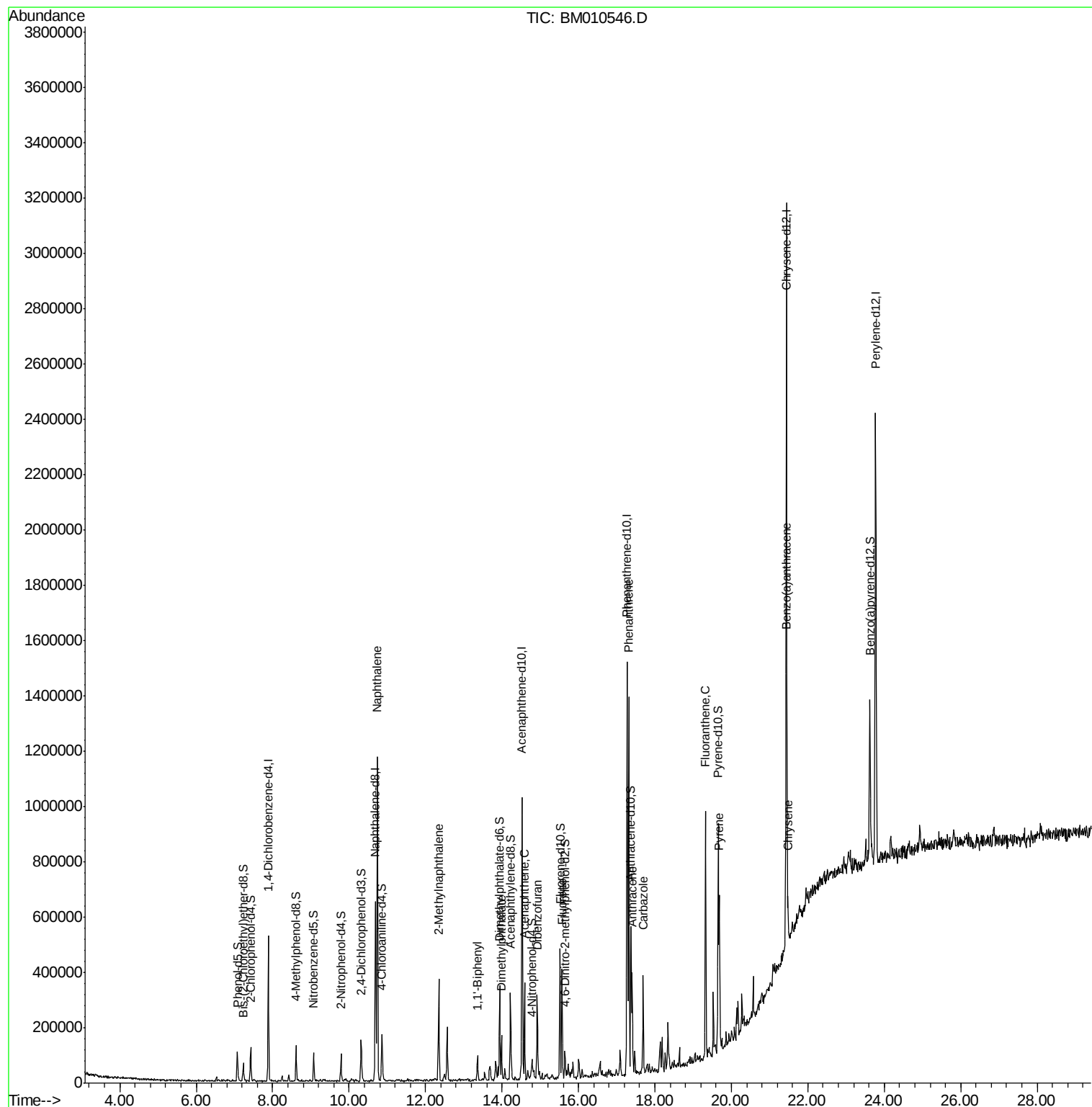
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010546.D
Acq On : 12 Jun 2017 21:45
Operator : SJ/MA
Sample : I3558-16DL 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

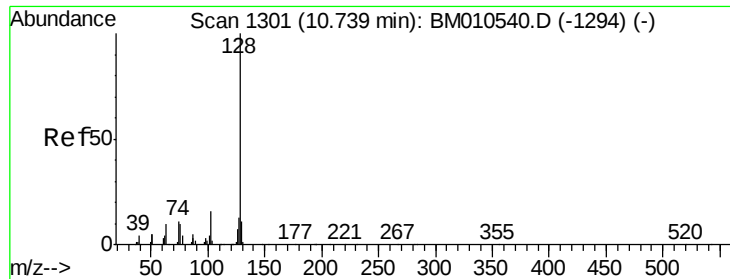
Instrument :
BNA_M
ClientSampleId :
F5C89DL

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Quant Title : SVOA CALIBRATION
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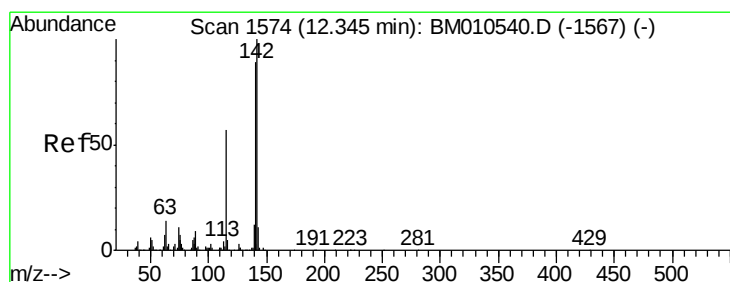
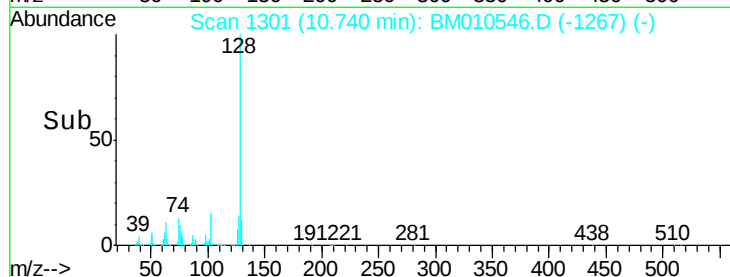
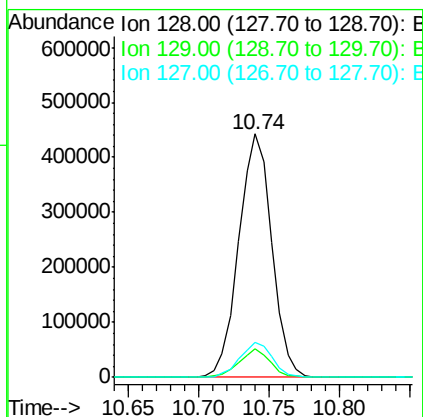
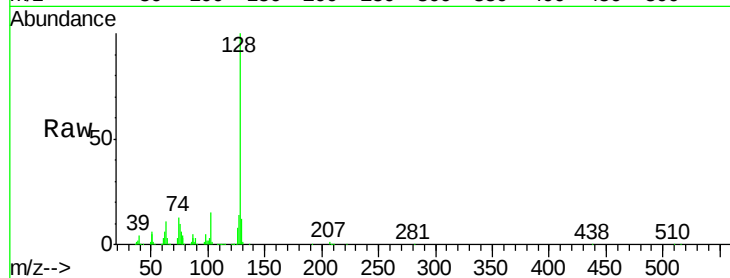
#28
Naphthalene
Concen: 35.402 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BM010546.D
Acq: 12 Jun 2017 21:45

Instrument :
BNA_M
ClientSampleID :
F5C89DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.6	8.8	13.2
127	14.2	10.6	16.0

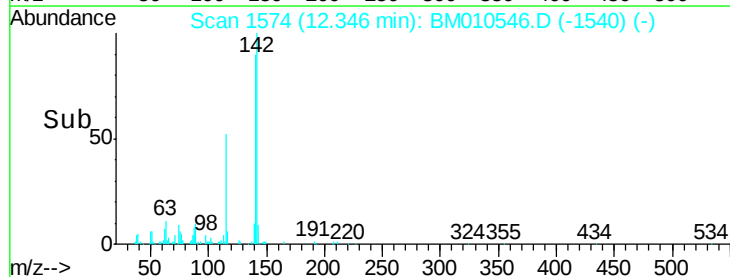
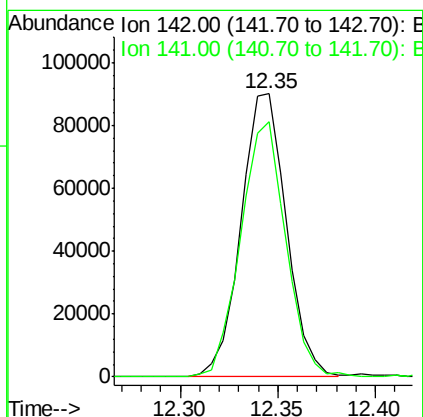
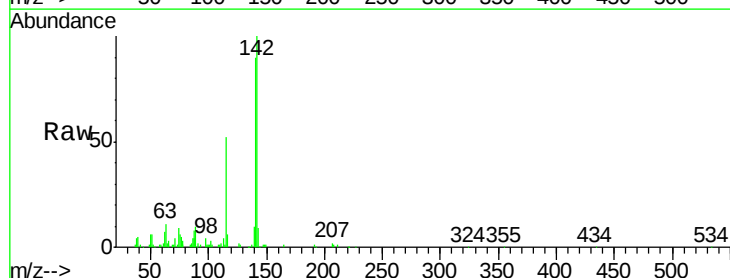
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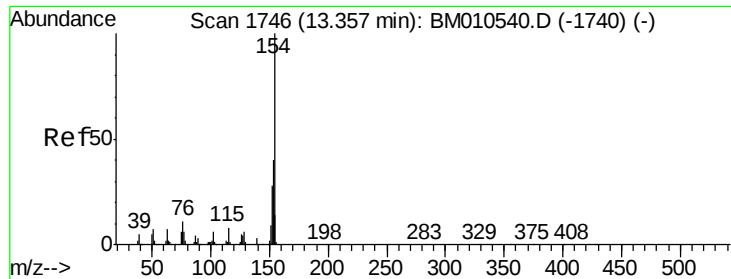
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#34
2-Methylnaphthalene
Concen: 9.350 ng/ul
RT: 12.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BM010546.D
Acq: 12 Jun 2017 21:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	90.0	74.1	111.1





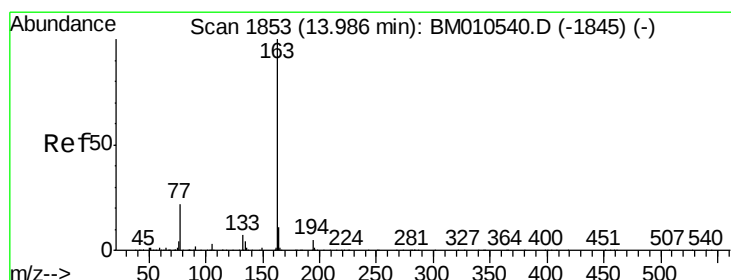
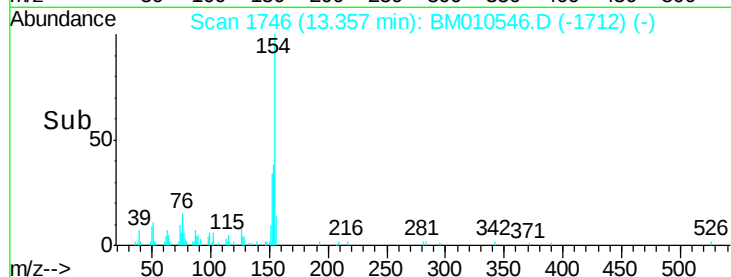
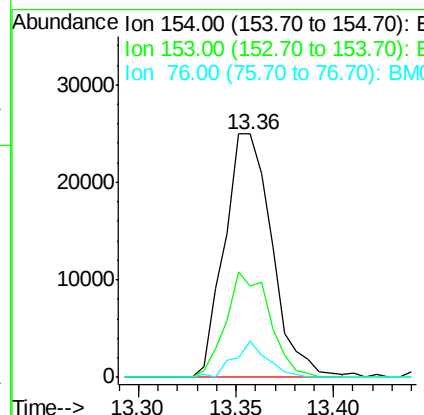
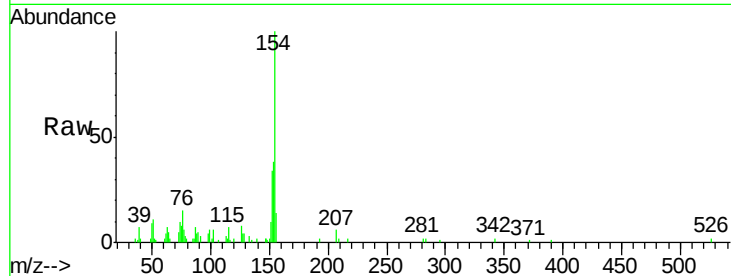
#40
1,1'-Biphenyl
Concen: 1.820 ng/ul
RT: 13.36 min Scan# 1746
Delta R.T. 0.00 min
Lab File: BM010546.D
Acq: 12 Jun 2017 21:45

Instrument :
BNA_M
ClientSampleId :
F5C89DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.5	32.6	48.8
76	15.0	8.5	12.7

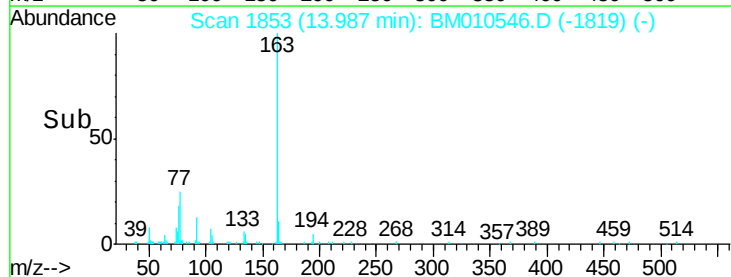
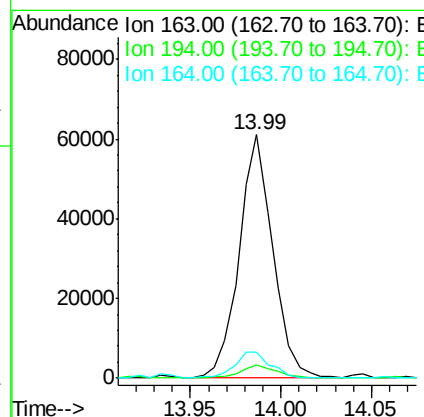
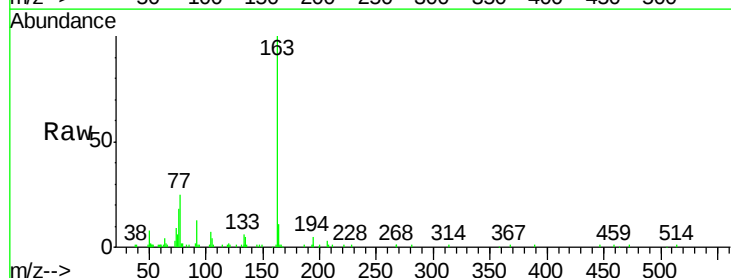
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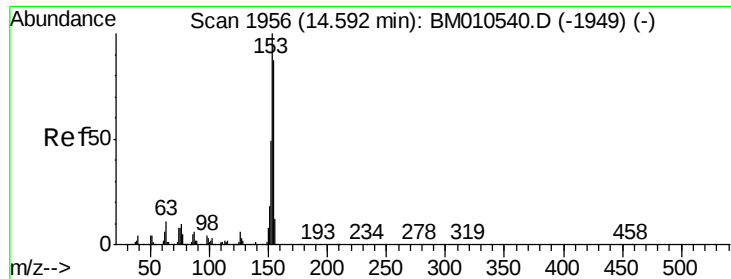
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#44
Dimethylphthalate
Concen: 3.373 ng/ul
RT: 13.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BM010546.D
Acq: 12 Jun 2017 21:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.5	5.3
164	10.7	8.2	12.4





#49

Acenaphthene

Concen: 6.322 ng/ul

RT: 14.59 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BM010546.D

Acq: 12 Jun 2017 21:45

Instrument :

BNA_M

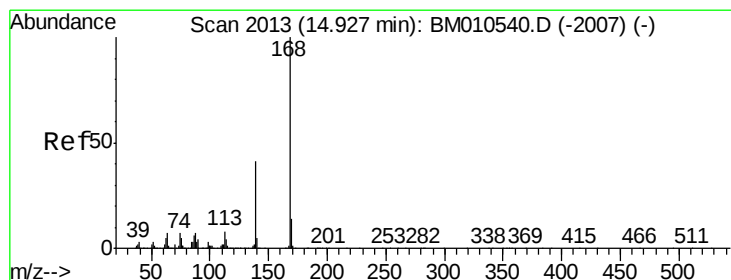
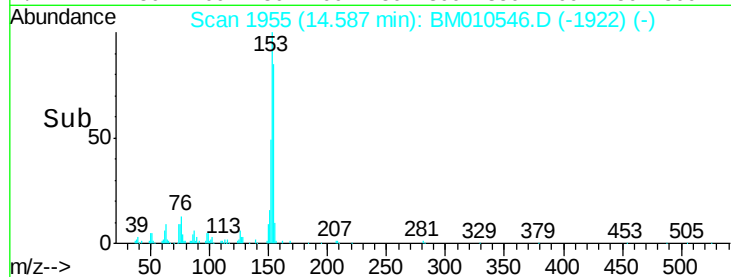
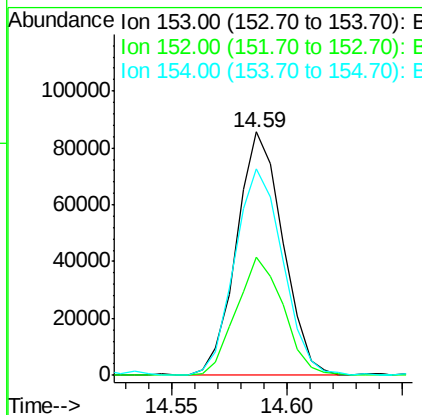
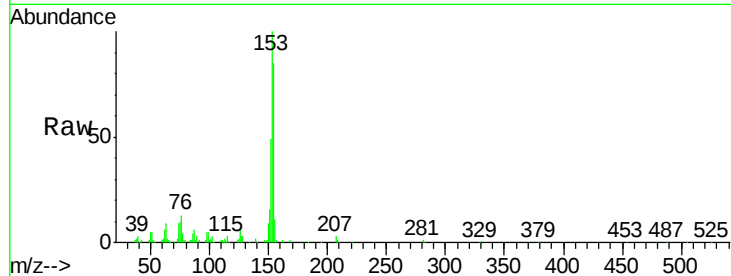
ClientSampleId :

F5C89DL

Tgt Ion:	153	Resp:	119823
Ion Ratio		Lower	Upper
153	100		
152	48.6	37.6	56.4
154	84.9	70.4	105.6

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#53

Dibenzofuran

Concen: 5.641 ng/ul

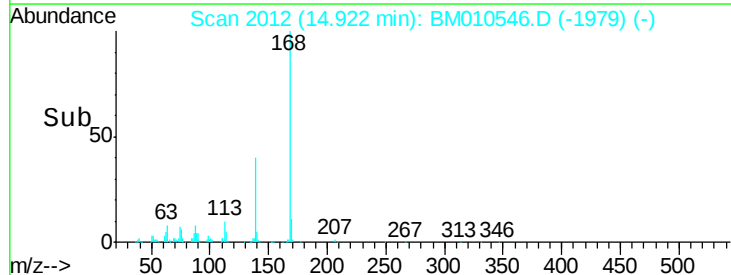
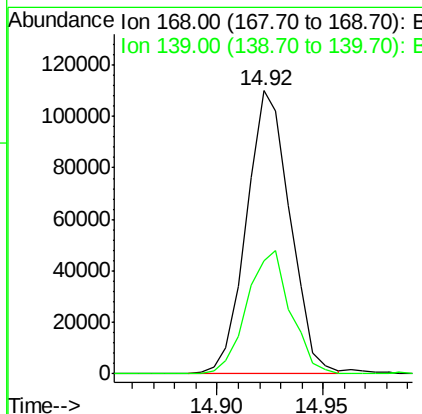
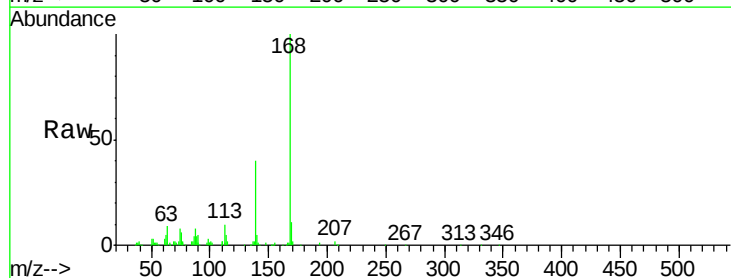
RT: 14.92 min Scan# 2012

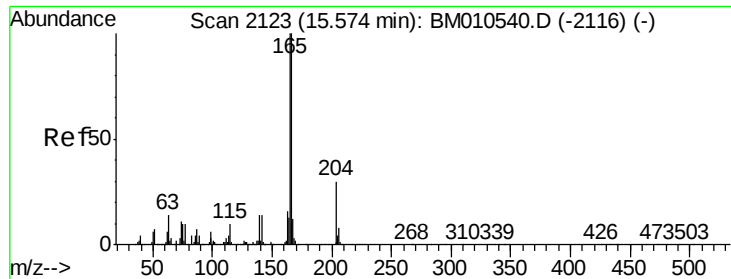
Delta R.T. -0.01 min

Lab File: BM010546.D

Acq: 12 Jun 2017 21:45

Tgt Ion:	168	Resp:	158083
Ion Ratio		Lower	Upper
168	100		
139	40.0	30.8	46.2





#58

Fluorene

Concen: 6.675 ng/ul

RT: 15.57 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BM010546.D

Acq: 12 Jun 2017 21:45

Instrument :

BNA_M

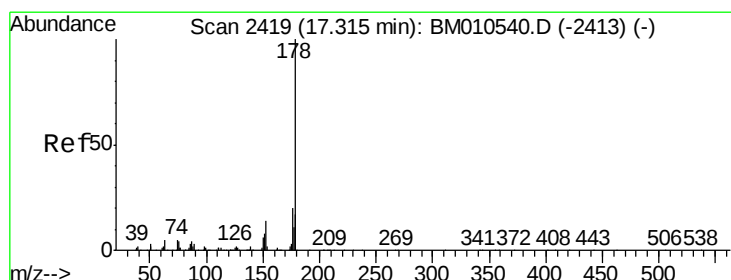
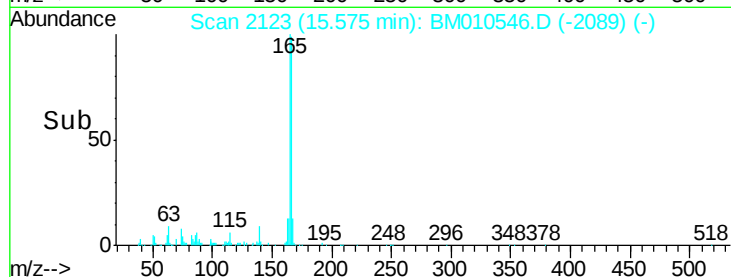
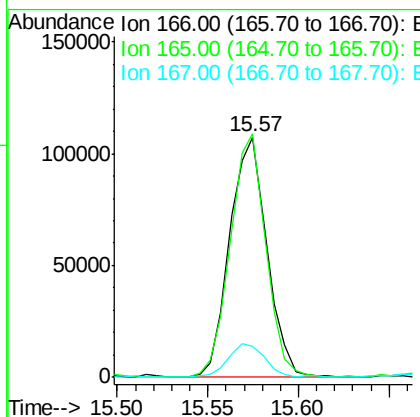
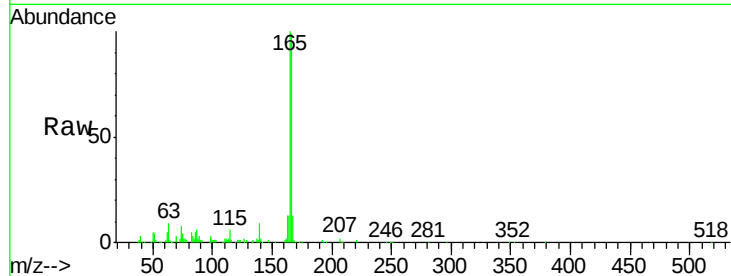
ClientSampleId :

F5C89DL

Tgt Ion:	166	Resp:	153457
Ion Ratio	Lower	Upper	
166	100		
165	101.5	77.9	116.9
167	13.1	10.6	16.0

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#69

Phenanthrene

Concen: 17.437 ng/ul

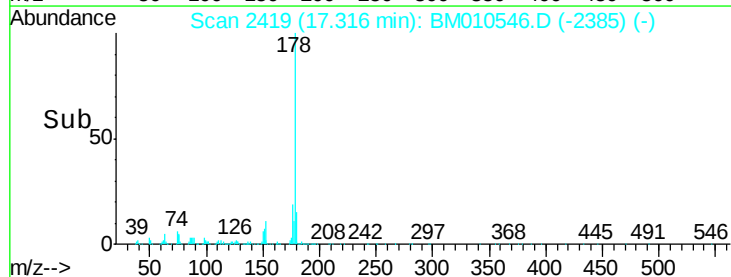
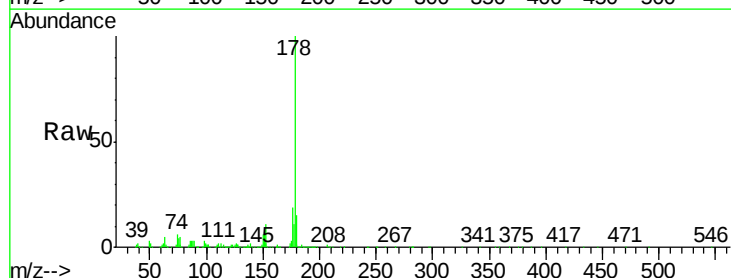
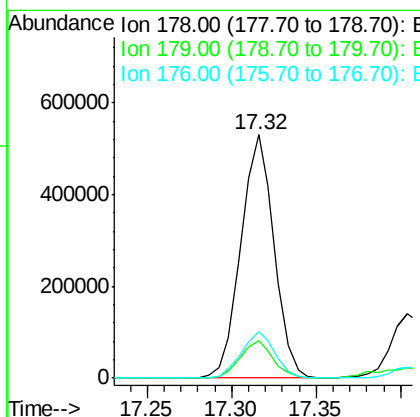
RT: 17.32 min Scan# 2419

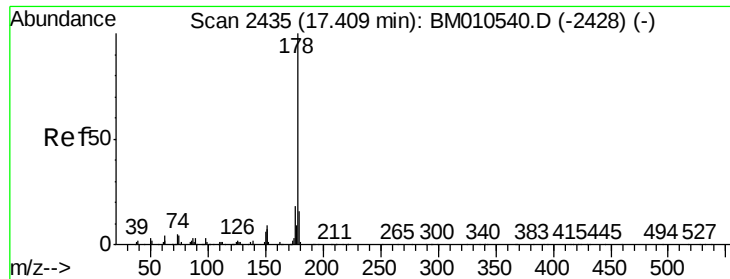
Delta R.T. 0.00 min

Lab File: BM010546.D

Acq: 12 Jun 2017 21:45

Tgt Ion:	178	Resp:	723470
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.6	19.0
176	19.2	14.9	22.3





#71

Anthracene

Concen: 4.620 ng/ul

RT: 17.40 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BM010546.D

Acq: 12 Jun 2017 21:45

Instrument :

BNA_M

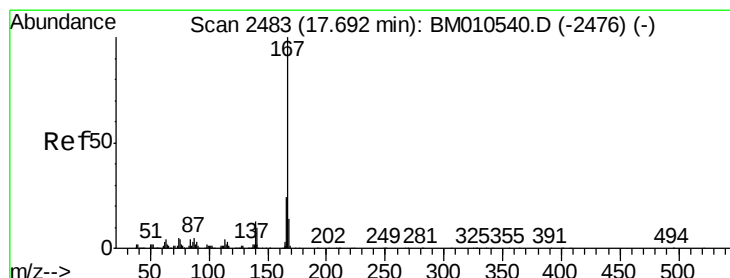
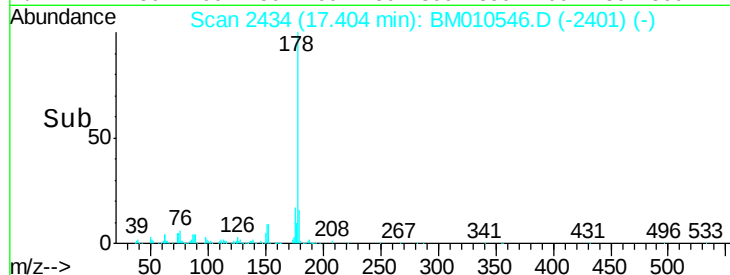
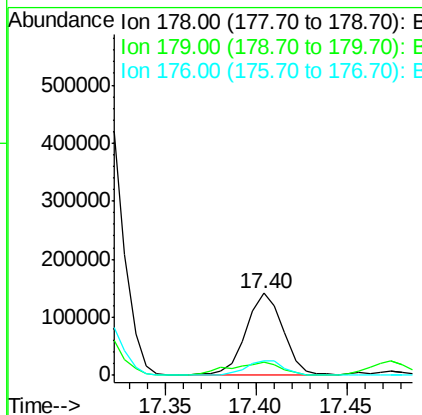
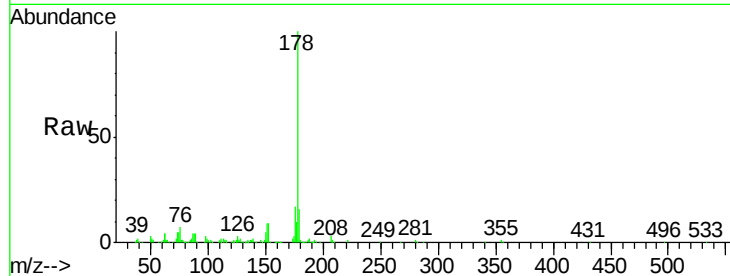
ClientSampleId :

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Tgt Ion:	178	Resp:	200113
Ion Ratio		Lower	Upper
178	100		
179	15.8	11.7	17.5
176	17.0	14.6	21.8

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#72

Carbazole

Concen: 5.012 ng/ul

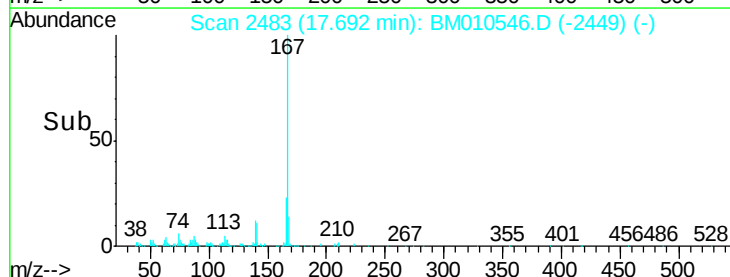
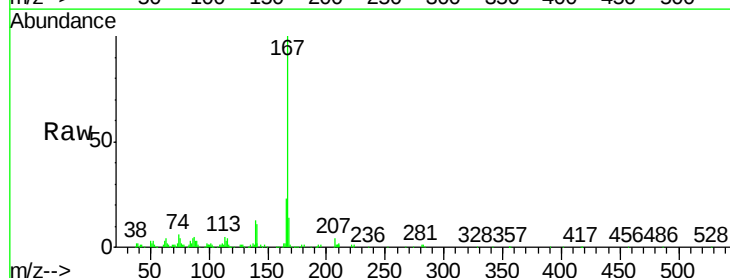
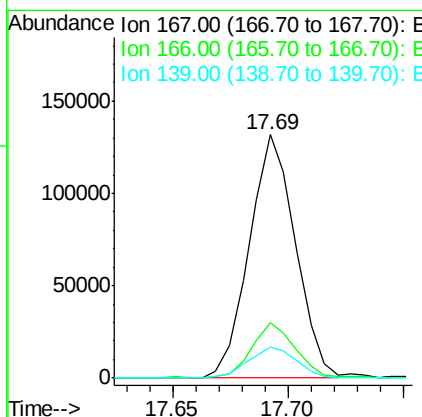
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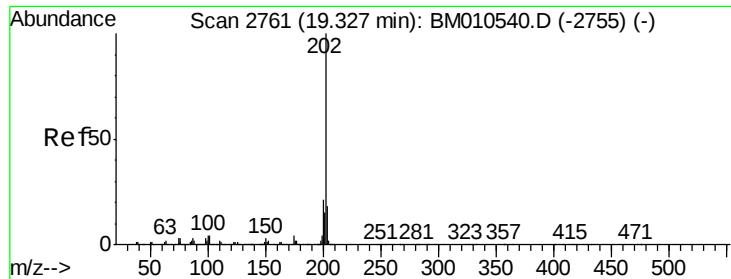
Delta R.T. 0.00 min

Lab File: BM010546.D

Acq: 12 Jun 2017 21:45

Tgt Ion:	167	Resp:	183737
Ion Ratio		Lower	Upper
167	100		
166	22.9	17.1	25.7
139	12.8	10.0	15.0





#74

Fluoranthene

Concen: 9.608 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010546.D

Acq: 12 Jun 2017 21:45

Instrument :

BNA_M

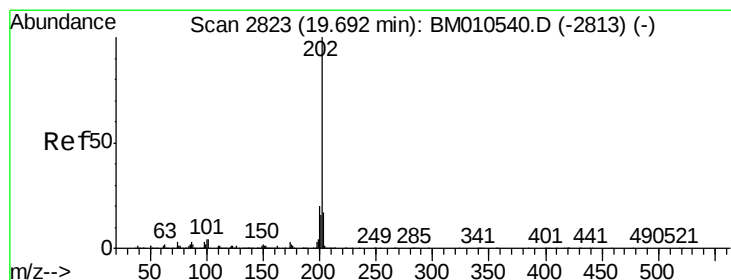
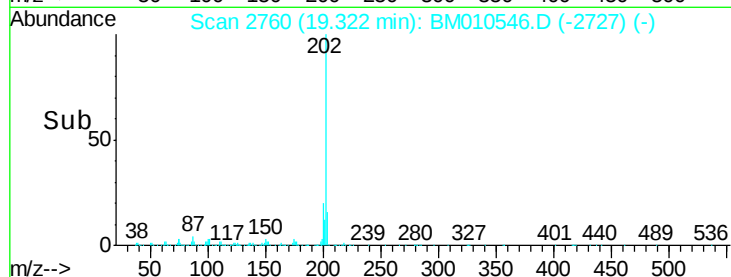
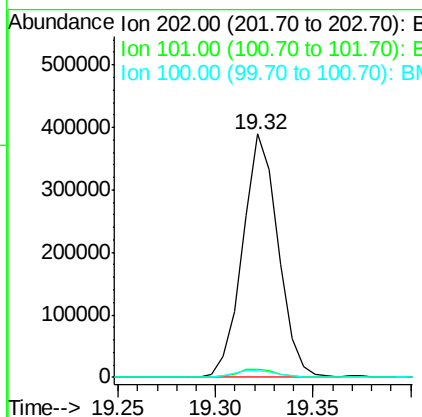
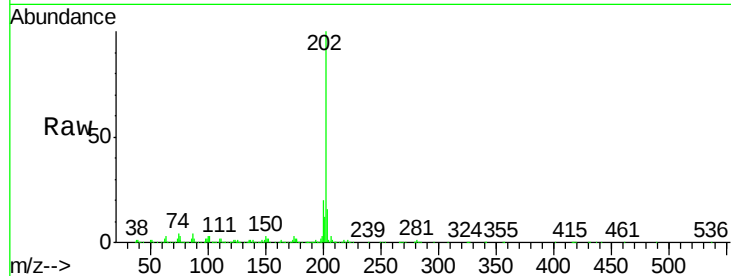
ClientSampleId :

F5C89DL

Tgt Ion:	202	Resp:	490227
Ion Ratio	Lower	Upper	
202	100		
101	3.5	4.6	7.0#
100	2.7	3.4	5.2#

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#77

Pyrene

Concen: 5.730 ng/ul

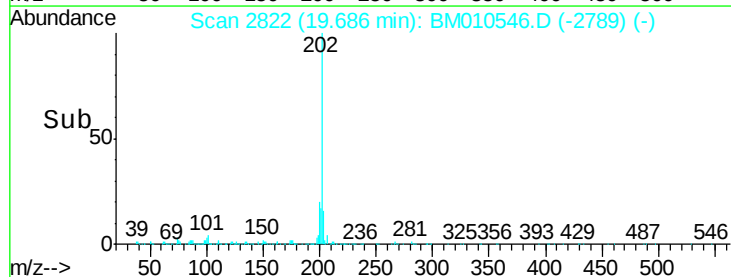
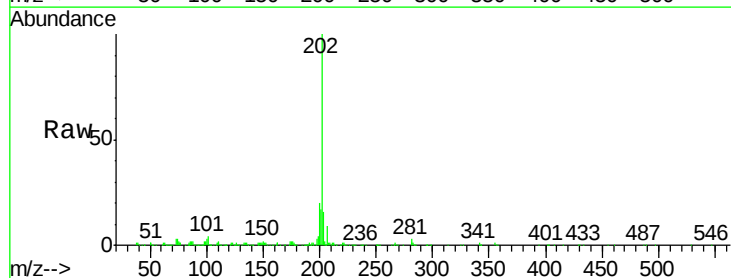
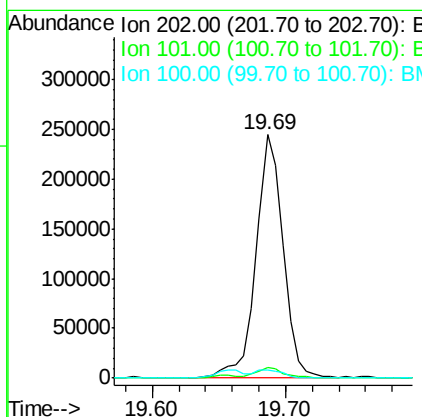
RT: 19.69 min Scan# 2822

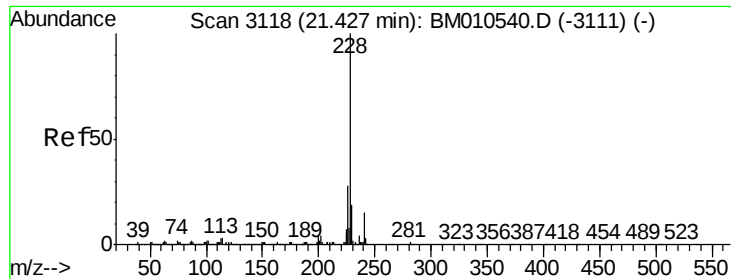
Delta R.T. -0.01 min

Lab File: BM010546.D

Acq: 12 Jun 2017 21:45

Tgt Ion:	202	Resp:	342020
Ion Ratio	Lower	Upper	
202	100		
101	4.4	5.1	7.7#
100	3.4	4.9	7.3#





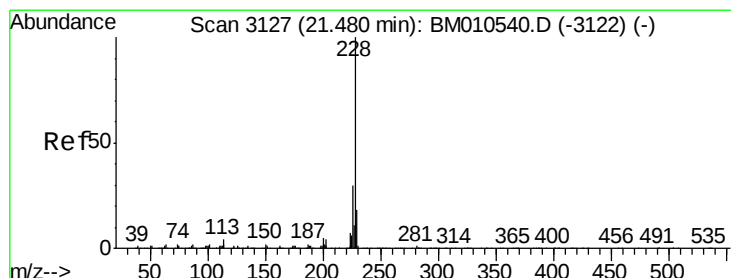
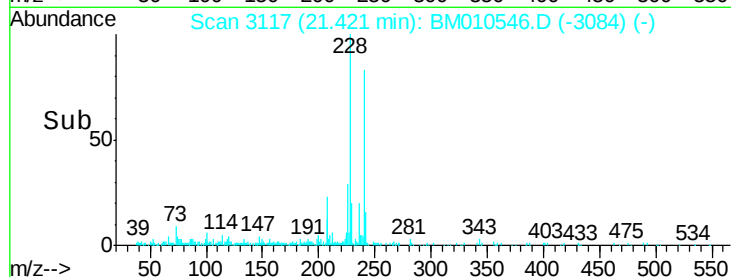
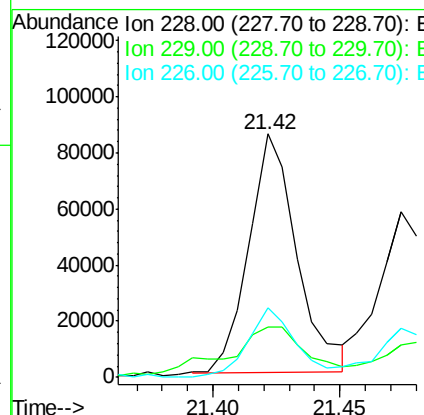
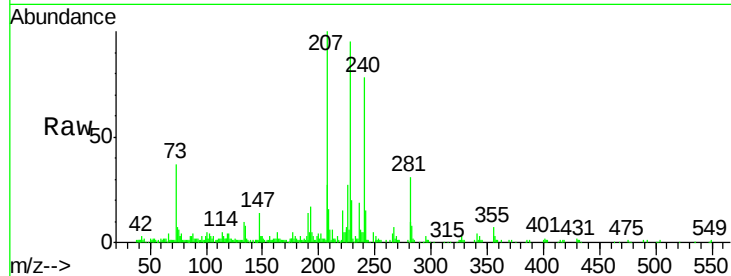
#80
Benzo(a)anthracene
Concen: 1.733 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM010546.D
Acq: 12 Jun 2017 21:45

Instrument :
BNA_M
ClientSampled :
F5C89DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	113197		
229	20.8	15.4	23.0	
226	28.5	21.4	32.0	

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:31 PM



#82
Chrysene
Concen: 1.390 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM010546.D
Acq: 12 Jun 2017 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	82047		
226	29.5	23.4	35.2	
229	19.9	15.5	23.3	

