

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050716\
 Data File : BM005347.D
 Acq On : 08 May 2016 15:11
 Operator : UM/SJ
 Sample : H2772-21
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Manual Integrations
 APPROVED

Sohil
 5/9/2016 7:16:16 PM

Quant Time: May 09 05:15:36 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM050516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 07 07:05:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	99307	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	464610	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	285381	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	660518	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	692390	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	599175	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	7076	3.35	ng/uL	0.00
5) Phenol-d5	6.94	99	159438	17.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	101810	19.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	132524	19.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	101461	13.63	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	67529	20.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	78275	20.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	142228	20.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	187337	22.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	504347	22.05	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	600150	22.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	54495	13.05	ng/ul	0.00
57) Fluorene-d10	15.40	176	452643	22.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	63757	17.16	ng/ul	0.00
70) Anthracene-d10	17.26	188	697127	23.88	ng/ul	0.00
76) Pyrene-d10	19.56	212	806544	25.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	662151	24.97	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.60	128	25433	1.09	ng/ul	99
32) Caprolactam	11.50	113	3567m	1.34	ng/ul	
44) Dimethylphthalate	13.86	163	69455	3.04	ng/ul	100
49) Acenaphthene	14.47	153	70426	3.76	ng/ul	99
53) Dibenzofuran	14.81	168	37569	1.38	ng/ul	100
58) Fluorene	15.46	166	59557	2.81	ng/ul	97
69) Phenanthrene	17.20	178	576012	16.59	ng/ul	100
71) Anthracene	17.29	178	169452	4.89	ng/ul	99
72) Carbazole	17.56	167	116855	3.84	ng/ul	99
74) Fluoranthene	19.22	202	838369	21.79	ng/ul	97
77) Pyrene	19.59	202	627085	15.61	ng/ul	98
80) Benzo(a)anthracene	21.33	228	389809	9.79	ng/ul	99
82) Chrysene	21.39	228	345966	9.16	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	374103	10.68	ng/ul	98
86) Benzo(k)fluoranthene	22.98	252	148838m	4.51	ng/ul	
88) Benzo(a)pyrene	23.53	252	237439	7.17	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.91	276	121185	3.35	ng/ul	95
90) Dibenzo(a,h)anthracene	25.91	278	35887	1.19	ng/ul#	79
91) Benzo(g,h,i)perylene	26.61	276	95032	3.10	ng/ul	99

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

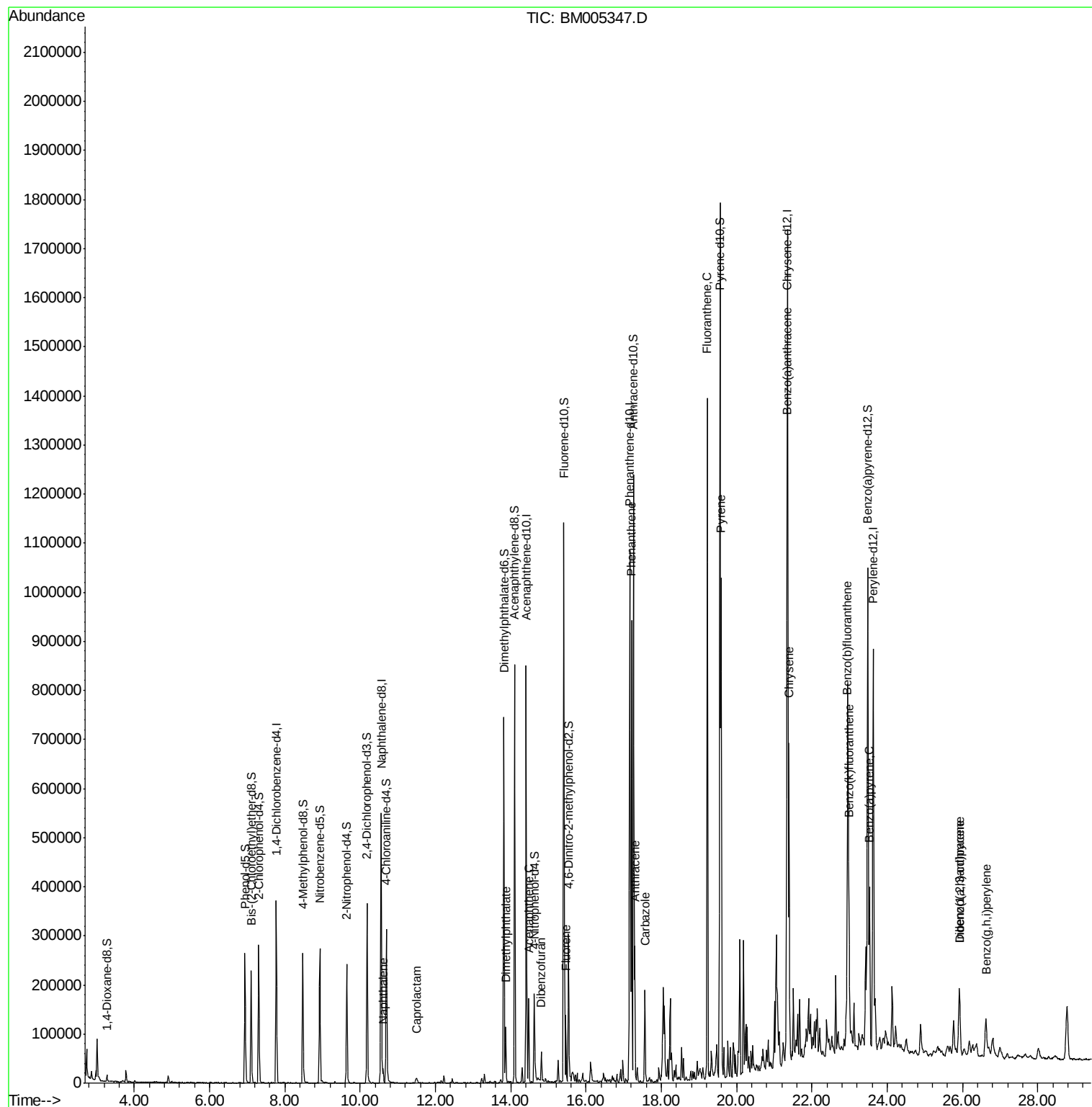
Data Path : Z:\HPCHEM1\BNA M\DATA\BM050716\
Data File : BM005347.D
Acq On : 08 May 2016 15:11
Operator : UM/SJ
Sample : H2772-21
Misc :
ALS Vial : 67 Sample Multiplier: 1

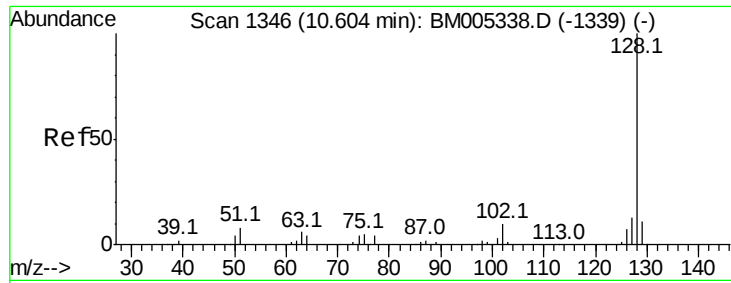
Instrument :
BNA_M
ClientSampleId :
BD3C5

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Quant Time: May 09 05:15:36 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 07 07:05:19 2016
Response via : Initial Calibration





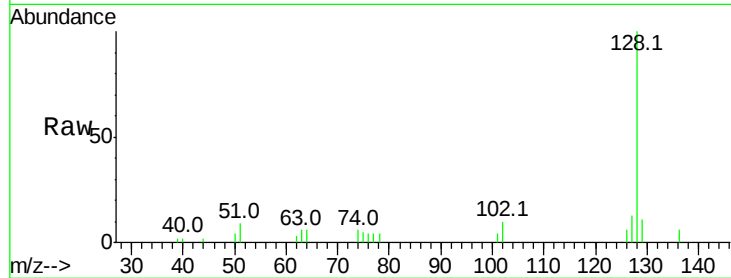
#28
Naphthalene
Concen: 1.09 ng/ul
RT: 10.60 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Instrument :
BNA_M
ClientSampleId :
BD3C5

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.4	12.6
127	12.7	10.8	16.2

Manual Integrations
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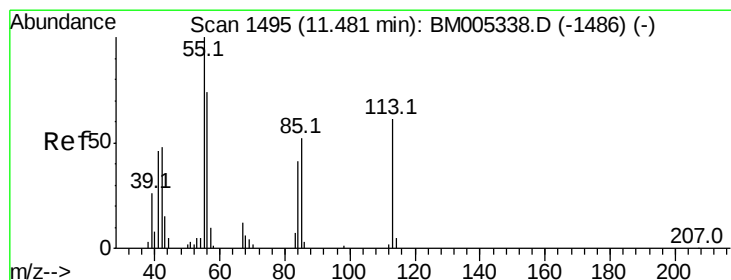
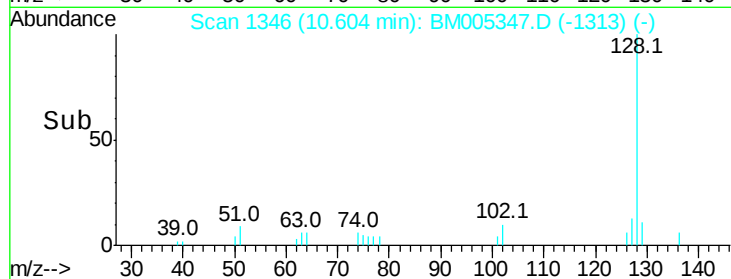
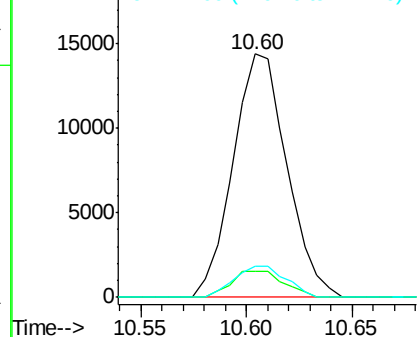


Abundance

Ion 128.00 (127.70 to 128.70): E

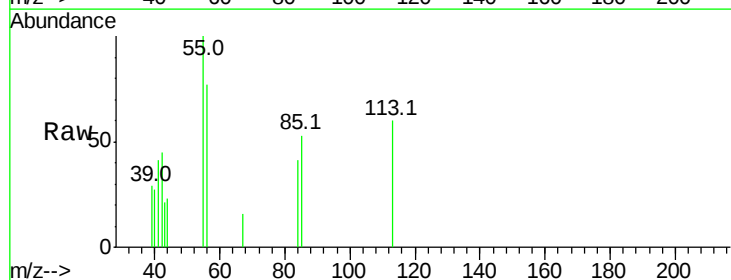
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Caprolactam
Concen: 1.34 ng/ul m
RT: 11.50 min Scan# 1498
Delta R.T. 0.02 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Tgt Ion	Ratio	Lower	Upper
113	100		
55	166.0	134.6	201.8
56	128.4	96.6	145.0

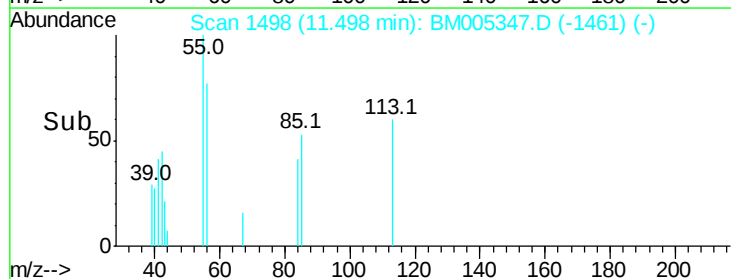
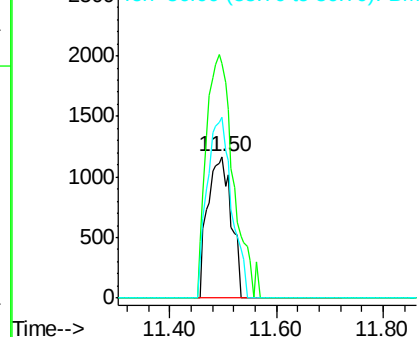


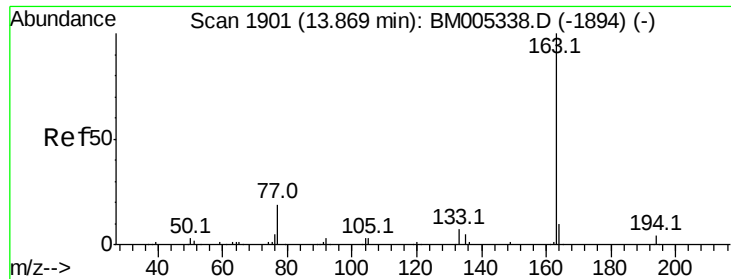
Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM





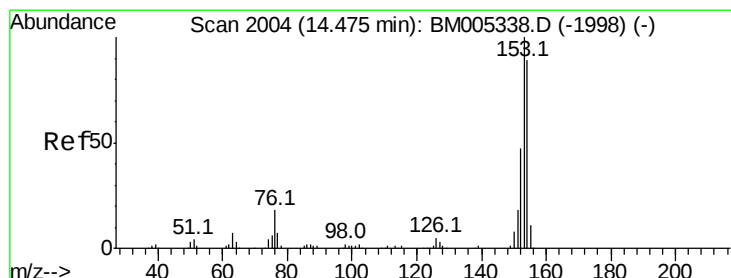
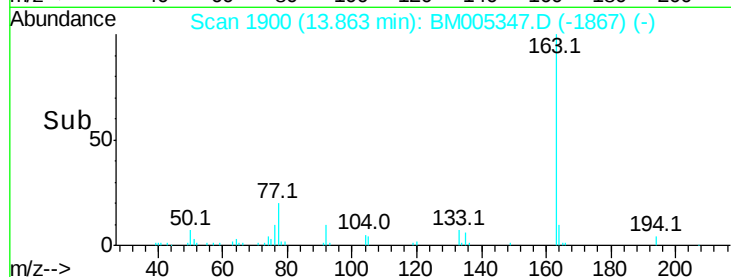
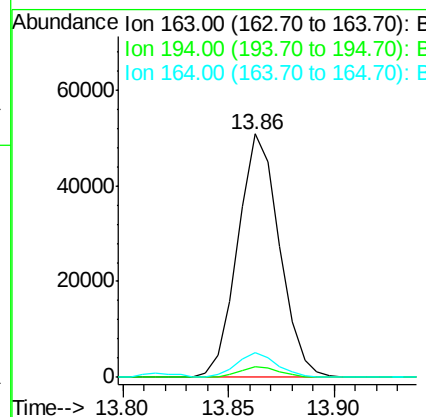
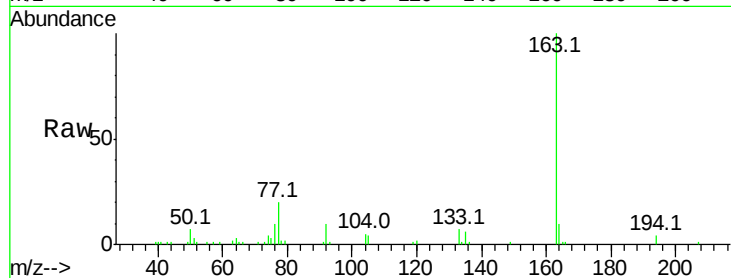
#44
Dimethylphthalate
Concen: 3.04 ng/ul
RT: 13.86 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Instrument :
BNA_M
ClientSampleId :
BD3C5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	69455		
194	4.3		3.4	5.0
164	9.9		7.9	11.9

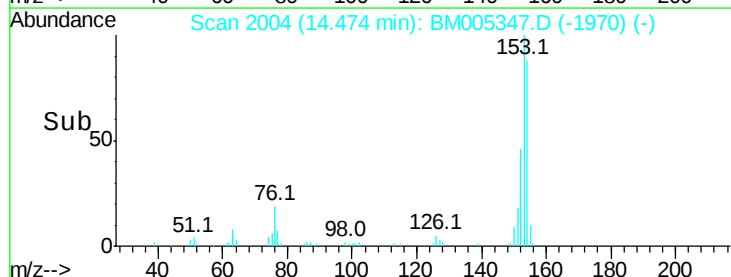
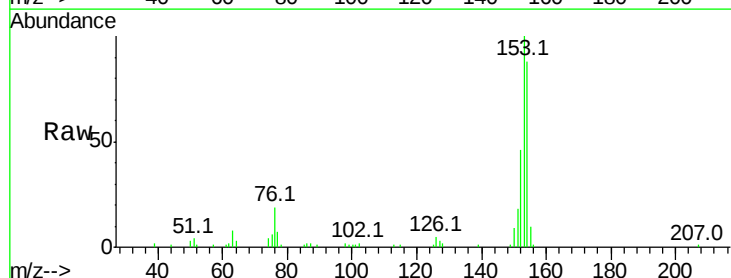
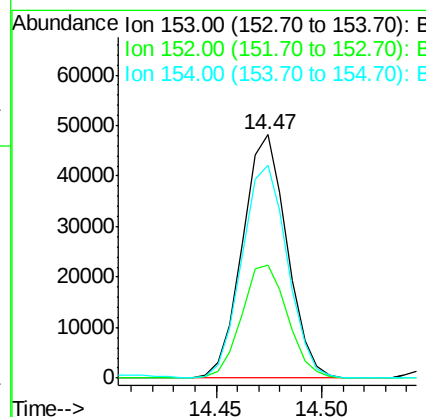
Manual Integrations
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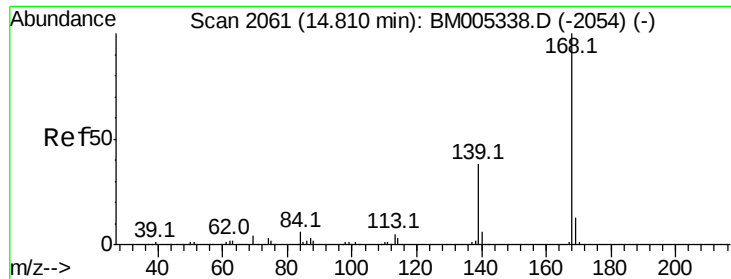
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#49
Acenaphthene
Concen: 3.76 ng/ul
RT: 14.47 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	70426		
152	46.4		38.9	58.3
154	87.7		70.3	105.5





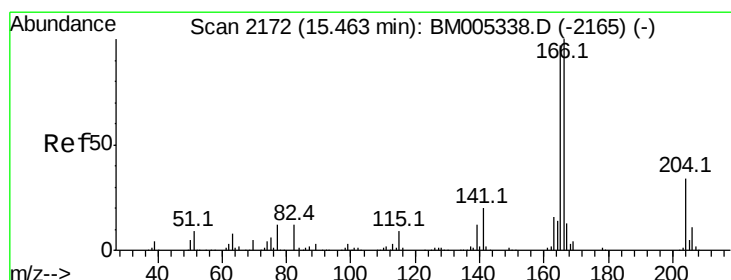
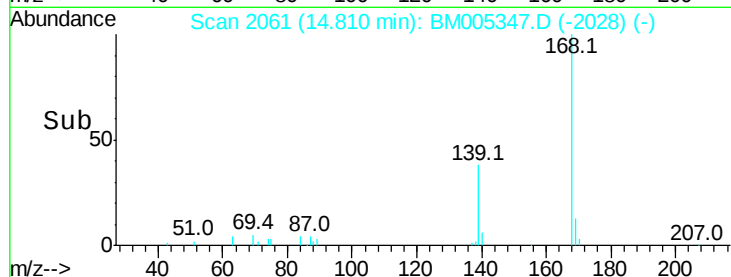
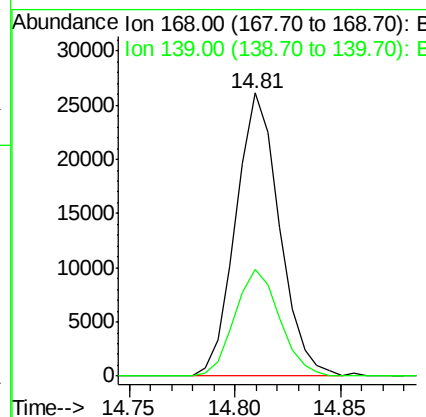
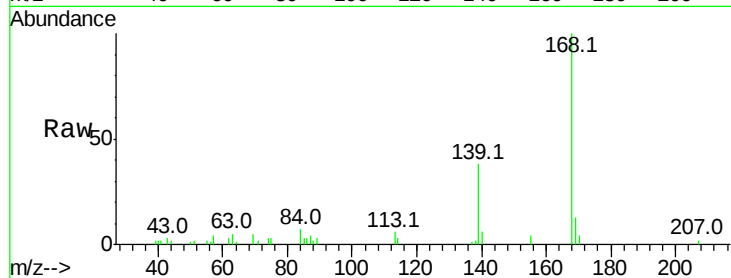
#53
Dibenzenofuran
Concen: 1.38 ng/ul
RT: 14.81 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Instrument :
BNA_M
ClientSampled :
BD3C5

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.3	45.5

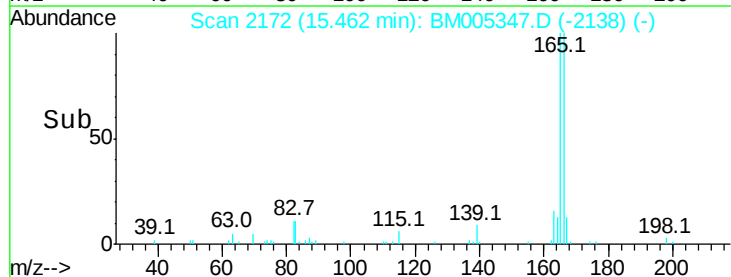
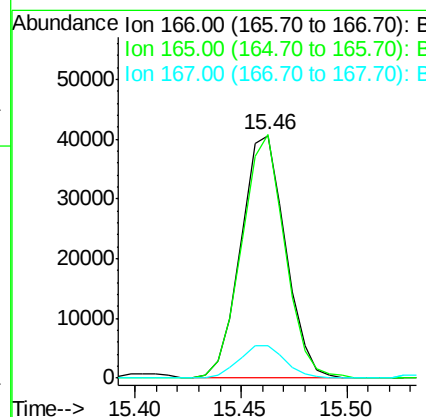
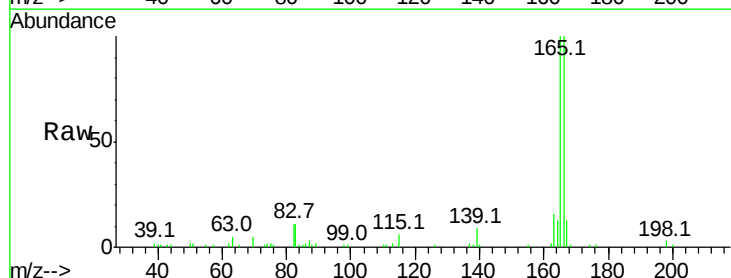
Manual Integrations
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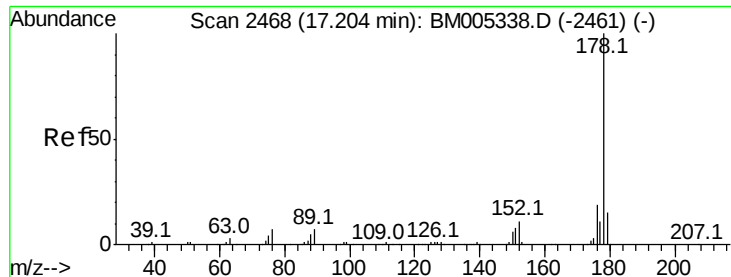
Sohil
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#58
Fluorene
Concen: 2.81 ng/ul
RT: 15.46 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.9	116.9
167	13.5	10.6	16.0





#69

Phenanthrene

Concen: 16.59 ng/ul

RT: 17.20 min Scan# 2468

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

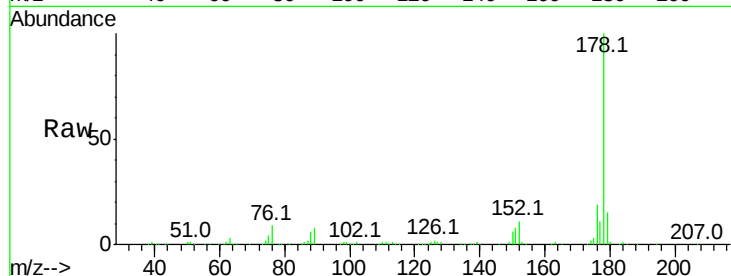
ClientSampled :

BD3C5

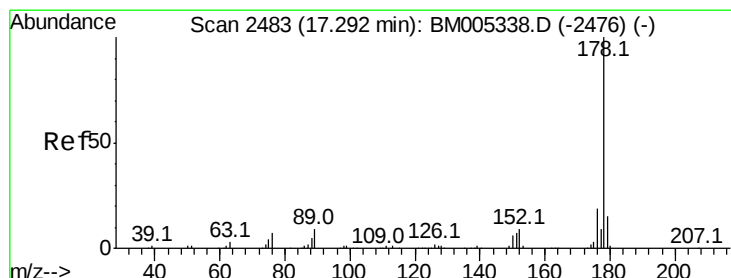
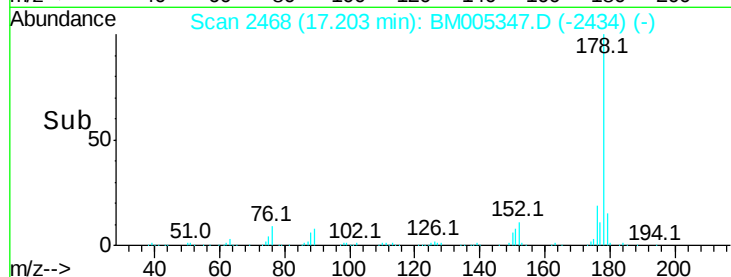
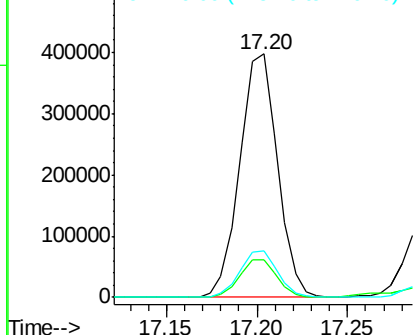
Tot Ion:	178	Resp:	576012
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.3	18.5
176	19.2	15.2	22.8

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 4.89 ng/ul

RT: 17.29 min Scan# 2483

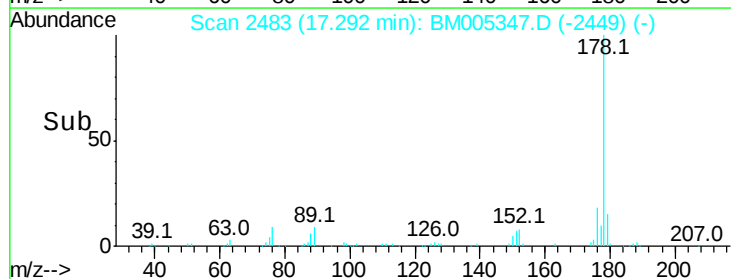
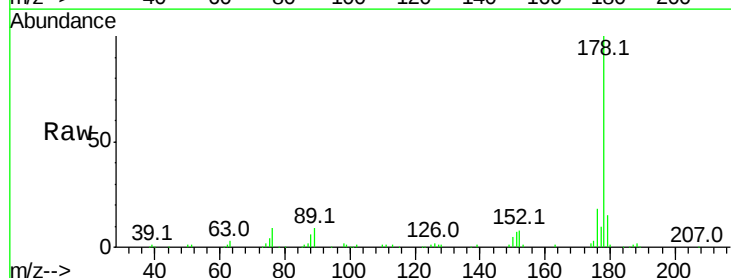
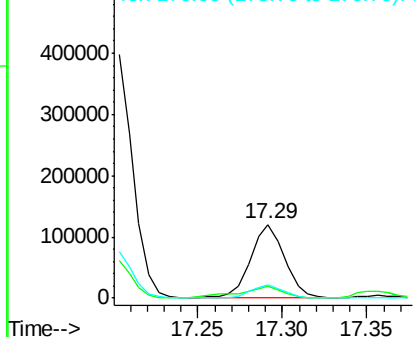
Delta R.T. 0.00 min

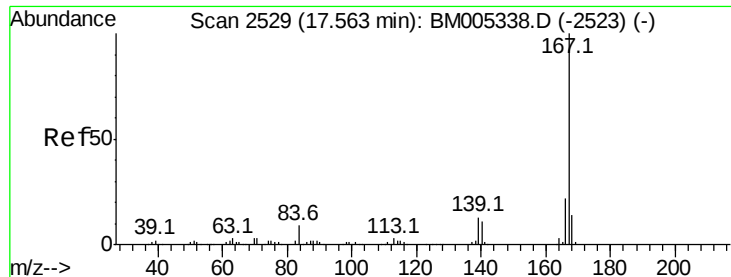
Lab File: BM005347.D

Acq: 08 May 2016 15:11

Tgt Ion:	178	Resp:	169452
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.4	18.6
176	18.2	15.1	22.7

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





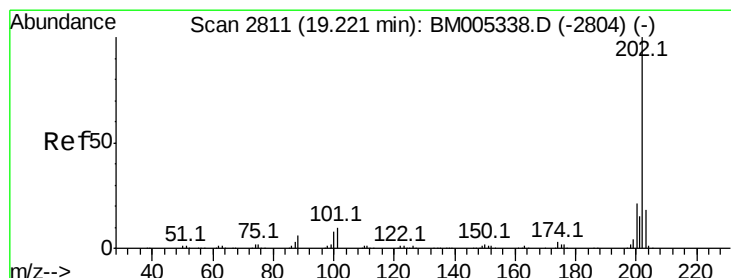
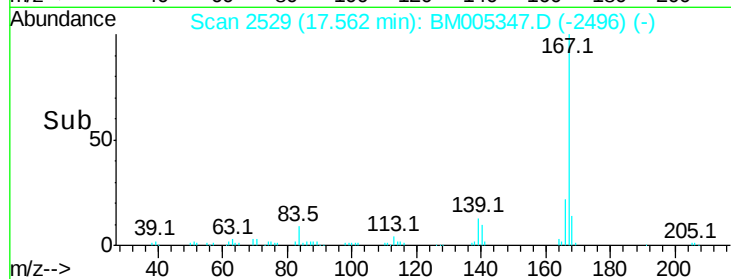
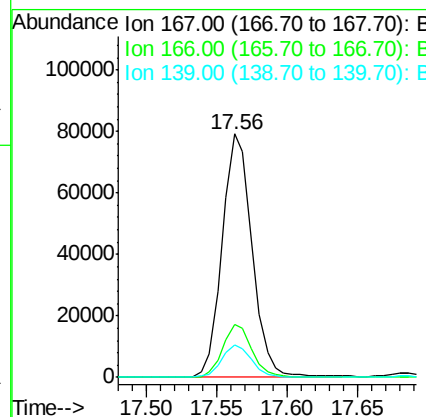
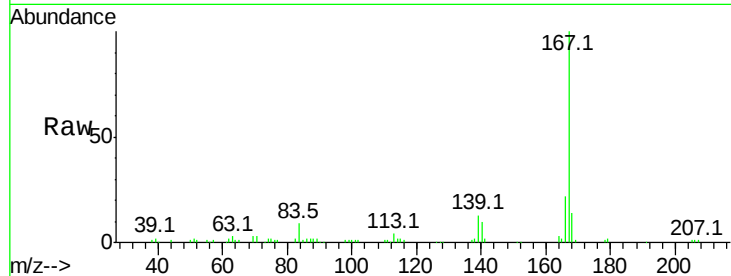
#72
 Carbazole
 Concen: 3.84 ng/ul
 RT: 17.56 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BM005347.D
 Acq: 08 May 2016 15:11

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	21.5	17.1	25.7	
139	13.4	10.2	15.2	

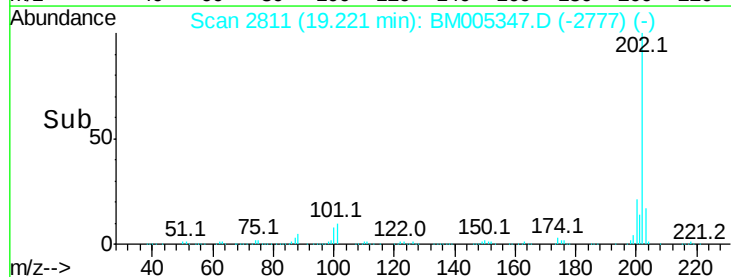
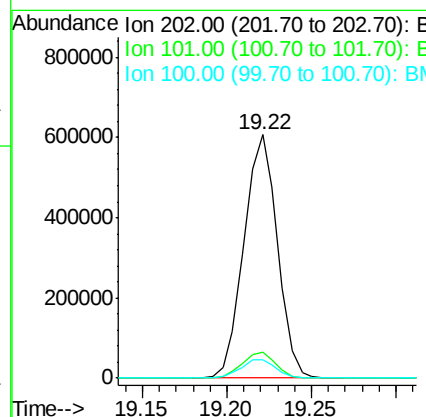
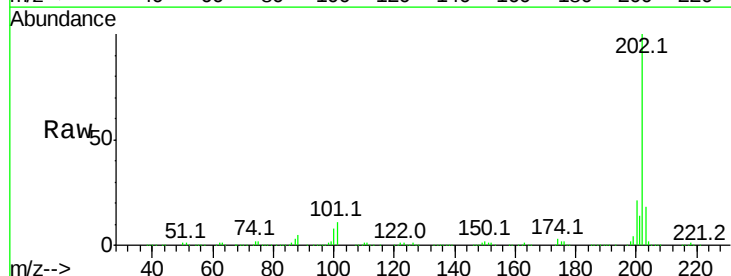
Manual Integrations
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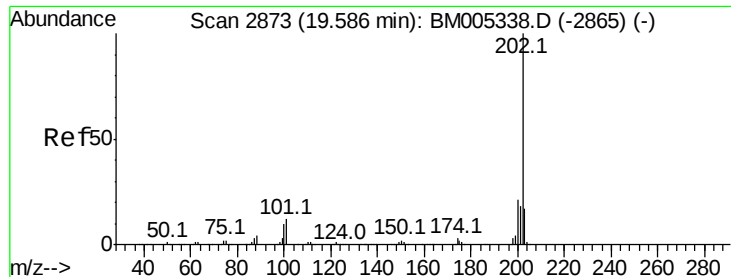
Sohil
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#74
 Fluoranthene
 Concen: 21.79 ng/ul
 RT: 19.22 min Scan# 2811
 Delta R.T. 0.00 min
 Lab File: BM005347.D
 Acq: 08 May 2016 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.6	9.2	13.8	
100	7.8	7.1	10.7	





#77

Pvrene

Concen: 15.61 ng/ul

RT: 19.59 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

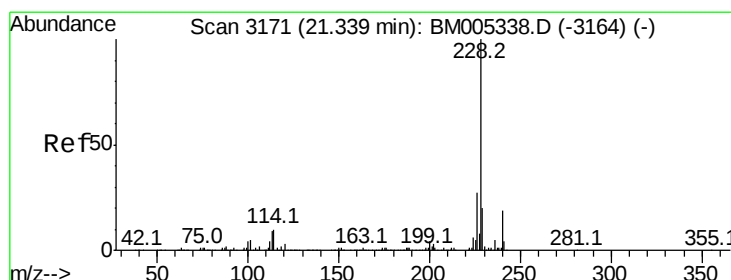
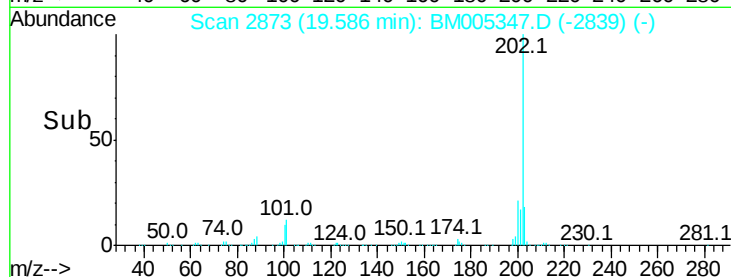
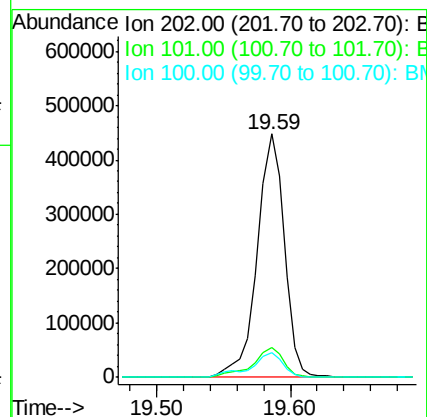
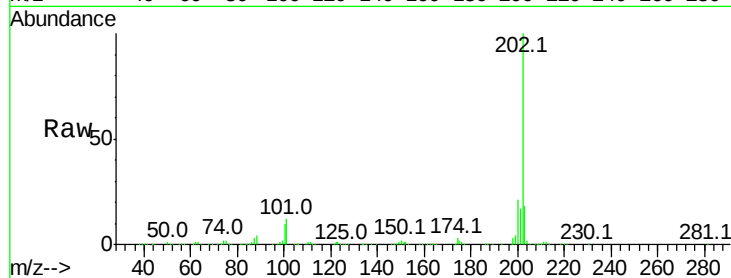
ClientSampleId :

BD3C5

Tot Ion:	202	Resp:	627085
Ion Ratio	Lower	Upper	
202	100		
101	12.4	10.8	16.2
100	10.1	8.4	12.6

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 9.79 ng/ul

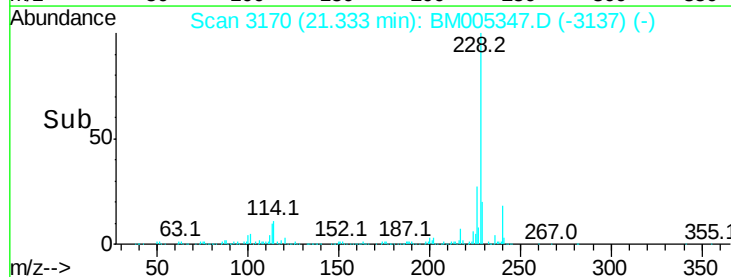
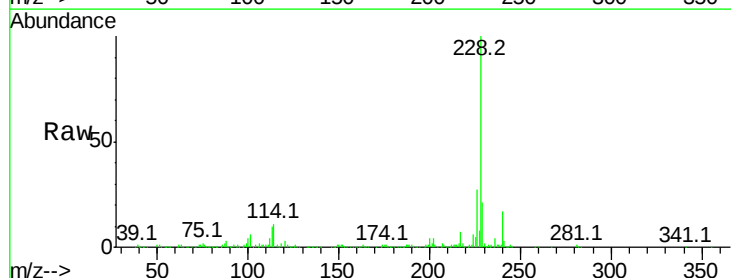
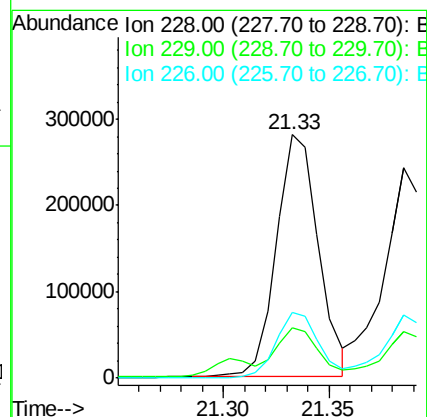
RT: 21.33 min Scan# 3170

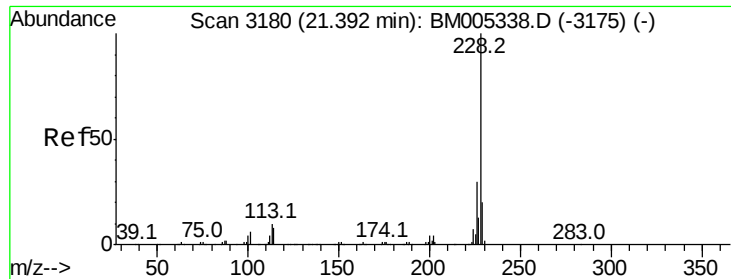
Delta R.T. -0.01 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Tgt Ion:	228	Resp:	389809
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.5	23.3
226	27.0	21.8	32.8





#82

Chrysene

Concen: 9.16 ng/ul

RT: 21.39 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

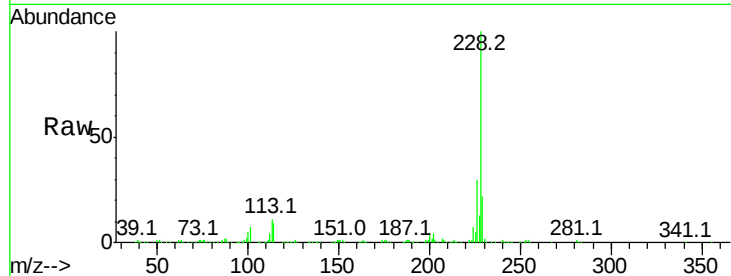
ClientSampleId :

BD3C5

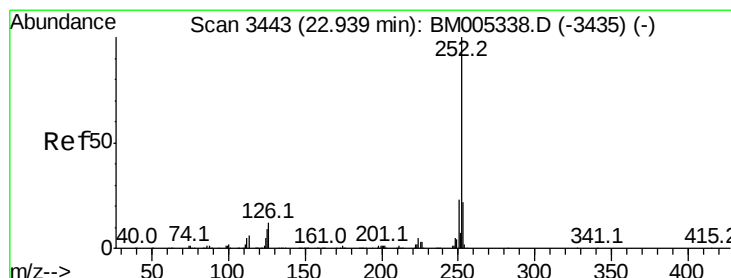
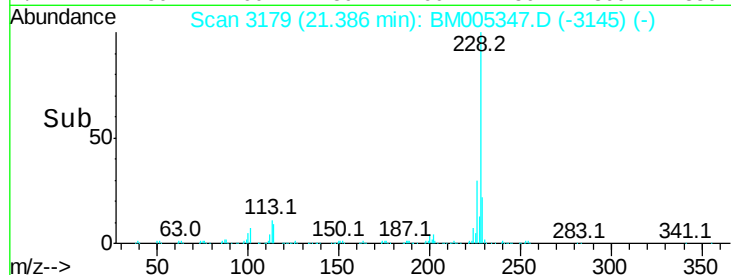
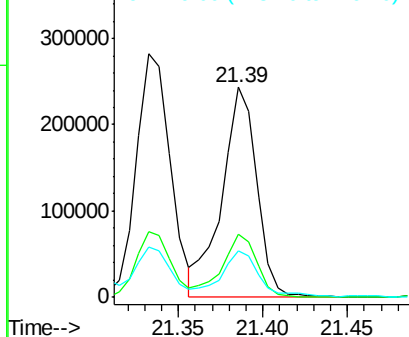
Tot Ion:	228	Resp:	345966
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.6	35.4
229	22.1	15.4	23.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 10.68 ng/ul

RT: 22.94 min Scan# 3443

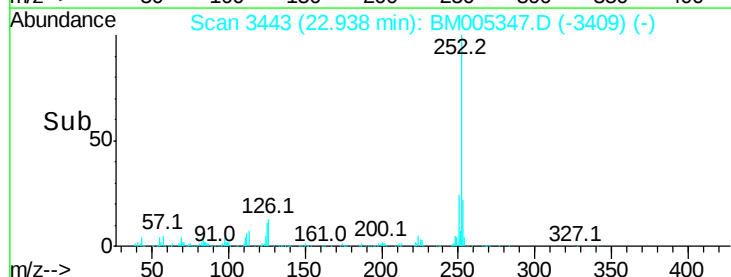
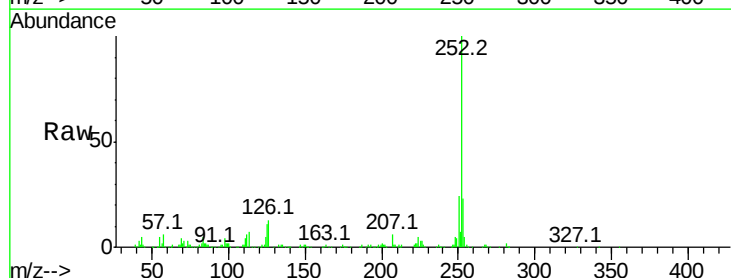
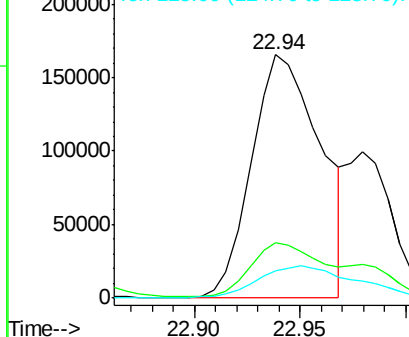
Delta R.T. 0.00 min

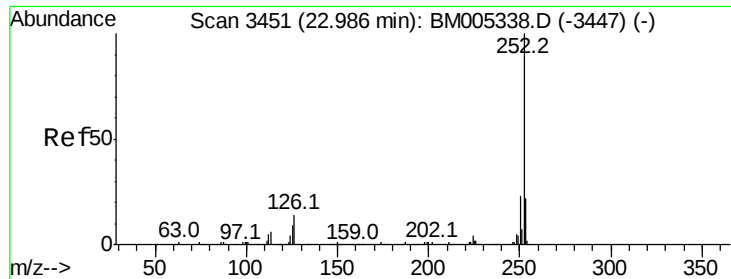
Lab File: BM005347.D

Acq: 08 May 2016 15:11

Tgt Ion:	252	Resp:	374103
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	11.1	8.4	12.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





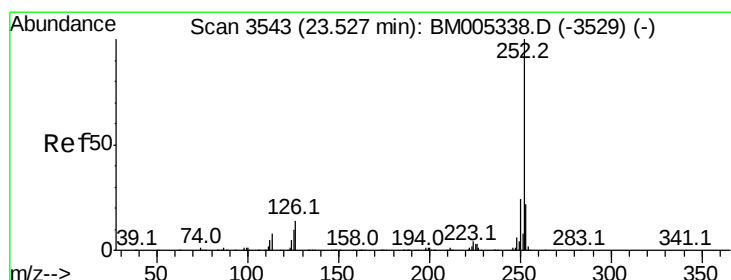
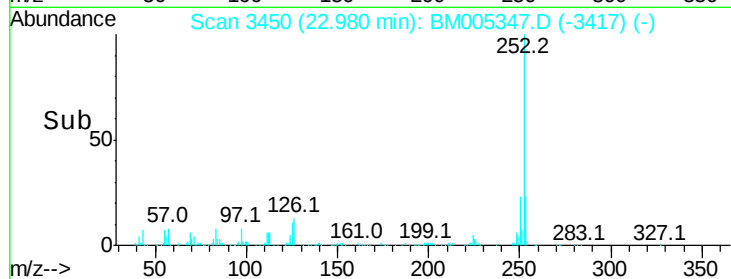
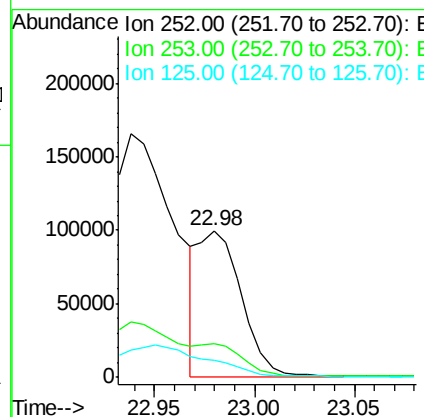
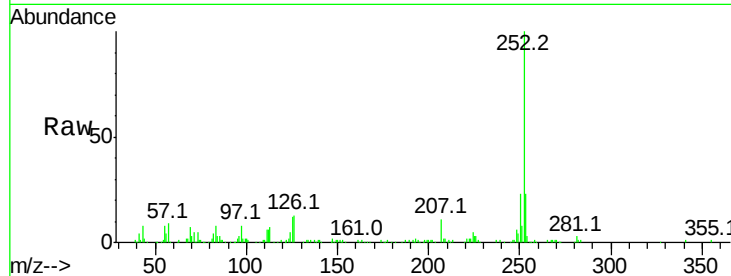
#86
Benzo(k)fluoranthene
Concen: 4.51 ng/ul m
RT: 22.98 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Instrument :
BNA_M
ClientSampled :
BD3C5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	11.5	8.0	12.0

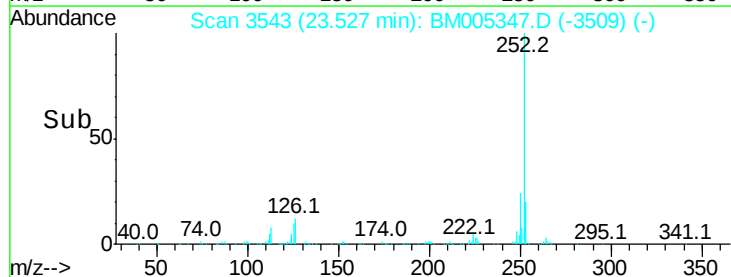
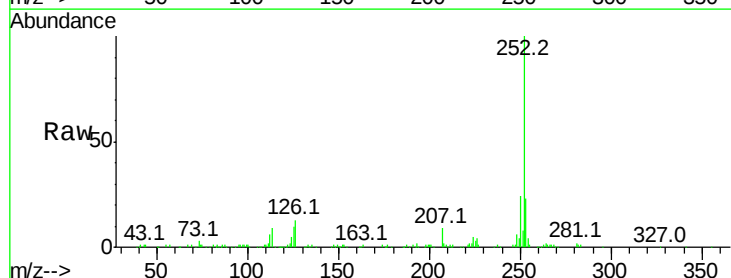
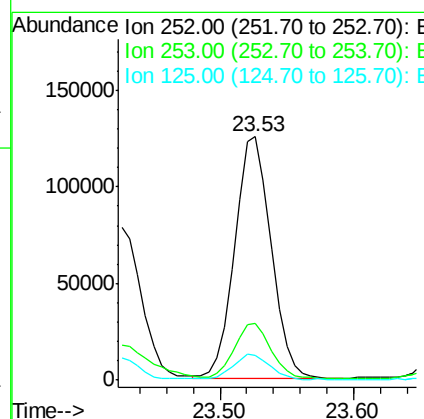
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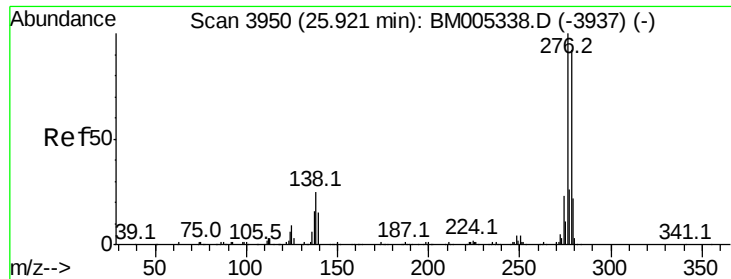
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#88
Benzo(a)pyrene
Concen: 7.17 ng/ul
RT: 23.53 min Scan# 3543
Delta R.T. 0.00 min
Lab File: BM005347.D
Acq: 08 May 2016 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	10.0	8.7	13.1





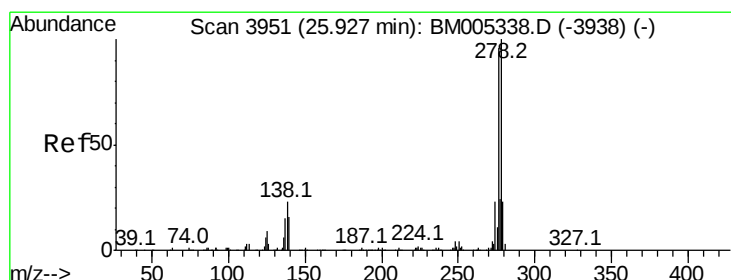
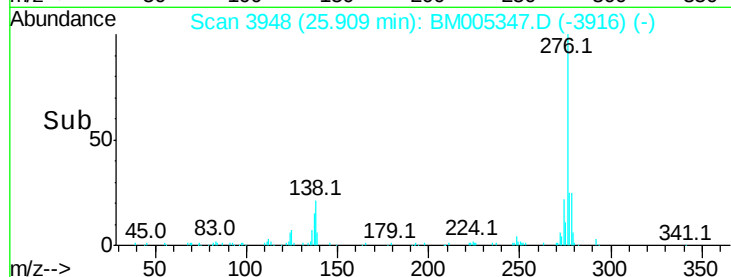
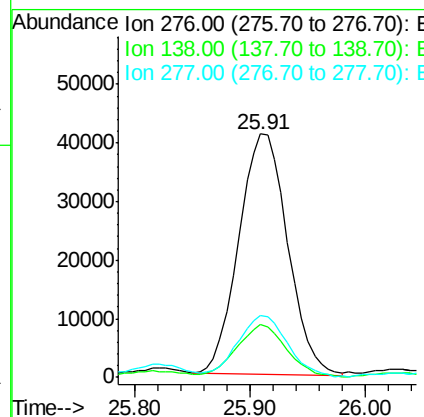
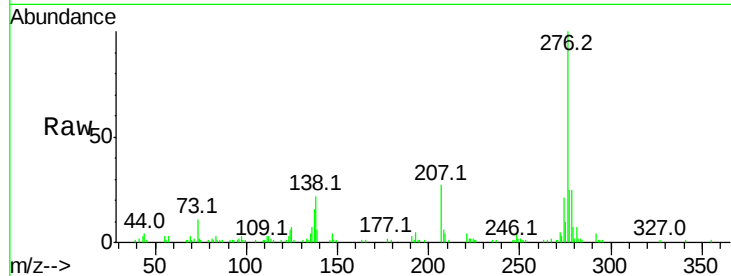
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 3.35 ng/ul
 RT: 25.91 min Scan# 3948
 Delta R.T. -0.01 min
 Lab File: BM005347.D
 Acq: 08 May 2016 15:11

Instrument :
 BNA_M
 ClientSampleId :
 BD3C5

Tot Ion	Ratio	Resp	Lower	Upper
276	100	121185		
138	21.7		21.0	31.6
277	25.4		19.9	29.9

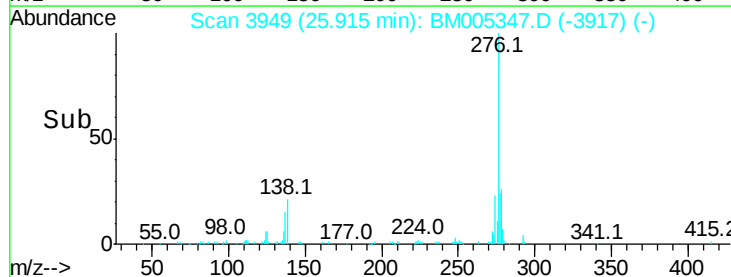
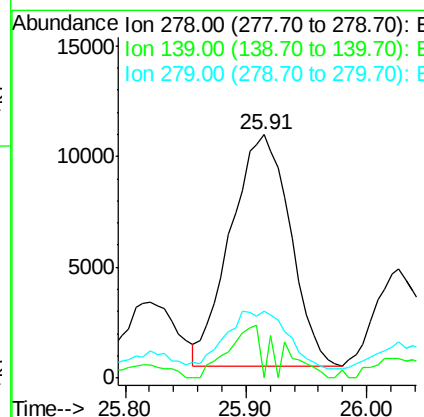
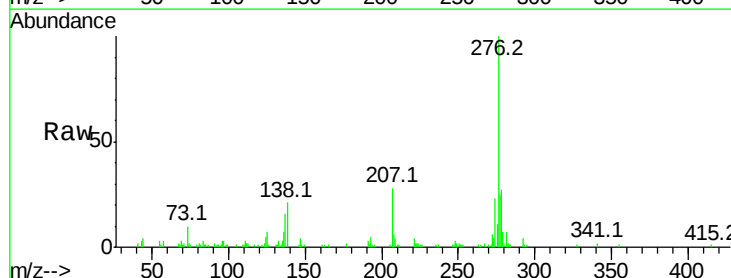
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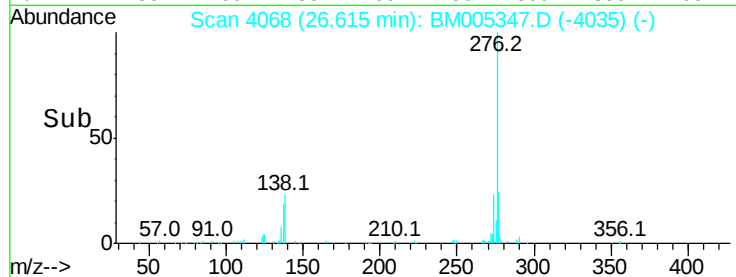
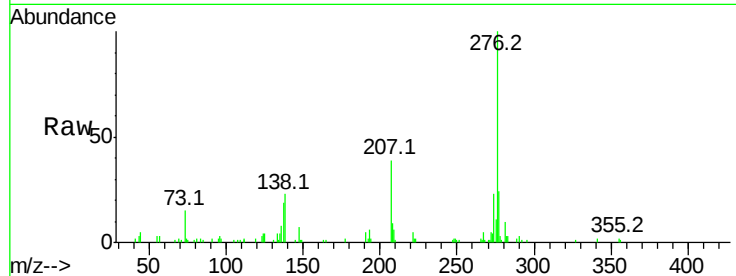
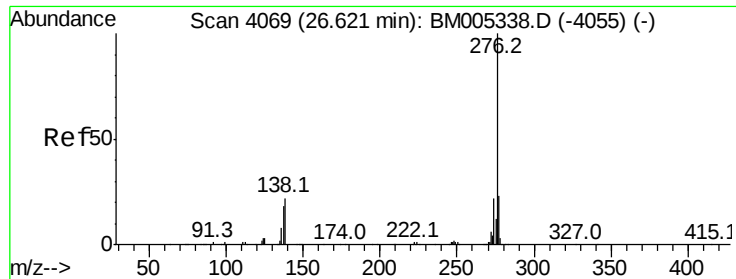
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#90
 Dibenzo(a,h)anthracene
 Concen: 1.19 ng/ul
 RT: 25.91 min Scan# 3949
 Delta R.T. -0.01 min
 Lab File: BM005347.D
 Acq: 08 May 2016 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	35887		
139	0.0		13.8	20.6#
279	27.5		18.9	28.3





#91

Benzo(a,h,i)perylene

Concen: 3.10 ng/ul

RT: 26.61 min Scan# 4068

Delta R.T. -0.01 min

Lab File: BM005347.D

Acq: 08 May 2016 15:11

Instrument :

BNA_M

ClientSampleId :

BD3C5

Tot Ion:	276	Resp:	95032
Ion Ratio	Lower	Upper	
276	100		
138	22.6	18.2	27.4
277	23.5	19.4	29.2

Manual Integrations
APPROVED

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