

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014382.D
 Acq On : 27 Feb 2018 14:49
 Operator : SJ/JU
 Sample : J1631-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BE5Y4

Manual Integrations
 APPROVED

Sohil
 2/28/2018 1:59:05 PM

Quant Time: Mar 09 04:53:08 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	105163	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	434626	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	251018	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	523547	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	496113	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	500487	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	6096	2.48	ng/uL	0.00
5) Phenol-d5	6.73	99	124281	13.98	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	82002	15.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	106733	15.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	97501	12.54	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	52592	16.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	62017	18.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	104503	15.18	ng/ul	0.02
29) 4-Chloroaniline-d4	10.47	131	28336	4.18	ng/ul	0.02
43) Dimethylphthalate-d6	13.60	166	368696	17.79	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	454073	17.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	40991	14.32	ng/ul	0.02
57) Fluorene-d10	15.18	176	322574	17.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	24785	7.89	ng/ul	0.01
70) Anthracene-d10	17.04	188	500049	19.80	ng/ul	0.00
76) Pyrene-d10	19.35	212	513501	20.07	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	463566	19.03	ng/ul	0.01

Target Compounds

				Ovalue	
4) Benzaldehyde	6.70	77	16798m	4.636	ng/ul
6) Phenol	6.76	94	26922	2.887	ng/ul 94
14) Acetophenone	8.35	105	69825	5.204	ng/ul 89
44) Dimethylphthalate	13.65	163	87769	4.294	ng/ul# 98
47) Acenaphthylene	13.90	152	51662	2.138	ng/ul# 97
58) Fluorene	15.24	166	30414	1.381	ng/ul# 84
69) Phenanthrene	16.98	178	705839	23.400	ng/ul 98
71) Anthracene	17.07	178	143114	4.718	ng/ul 99
72) Carbazole	17.36	167	56680	2.222	ng/ul 97
74) Fluoranthene	19.02	202	1337839	37.122	ng/ul# 95
77) Pyrene	19.38	202	1160575	35.201	ng/ul# 92
80) Benzo(a)anthracene	21.14	228	637313	20.583	ng/ul 99
81) Bis(2-ethylhexyl)phthalate	21.07	149	183913	9.420	ng/ul# 95
82) Chrysene	21.19	228	598753	20.730	ng/ul 97
85) Benzo(b)fluoranthene	22.69	252	789573	23.561	ng/ul# 96
86) Benzo(k)fluoranthene	22.72	252	305036m	9.574	ng/ul
88) Benzo(a)pyrene	23.24	252	571594	19.087	ng/ul# 97
89) Indeno(1,2,3-cd)pyrene	25.50	276	392769	13.516	ng/ul 97
90) Dibenzo(a,h)anthracene	25.50	278	108119m	4.478	ng/ul
91) Benzo(g,h,i)perylene	26.16	276	312711	13.284	ng/ul# 97

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

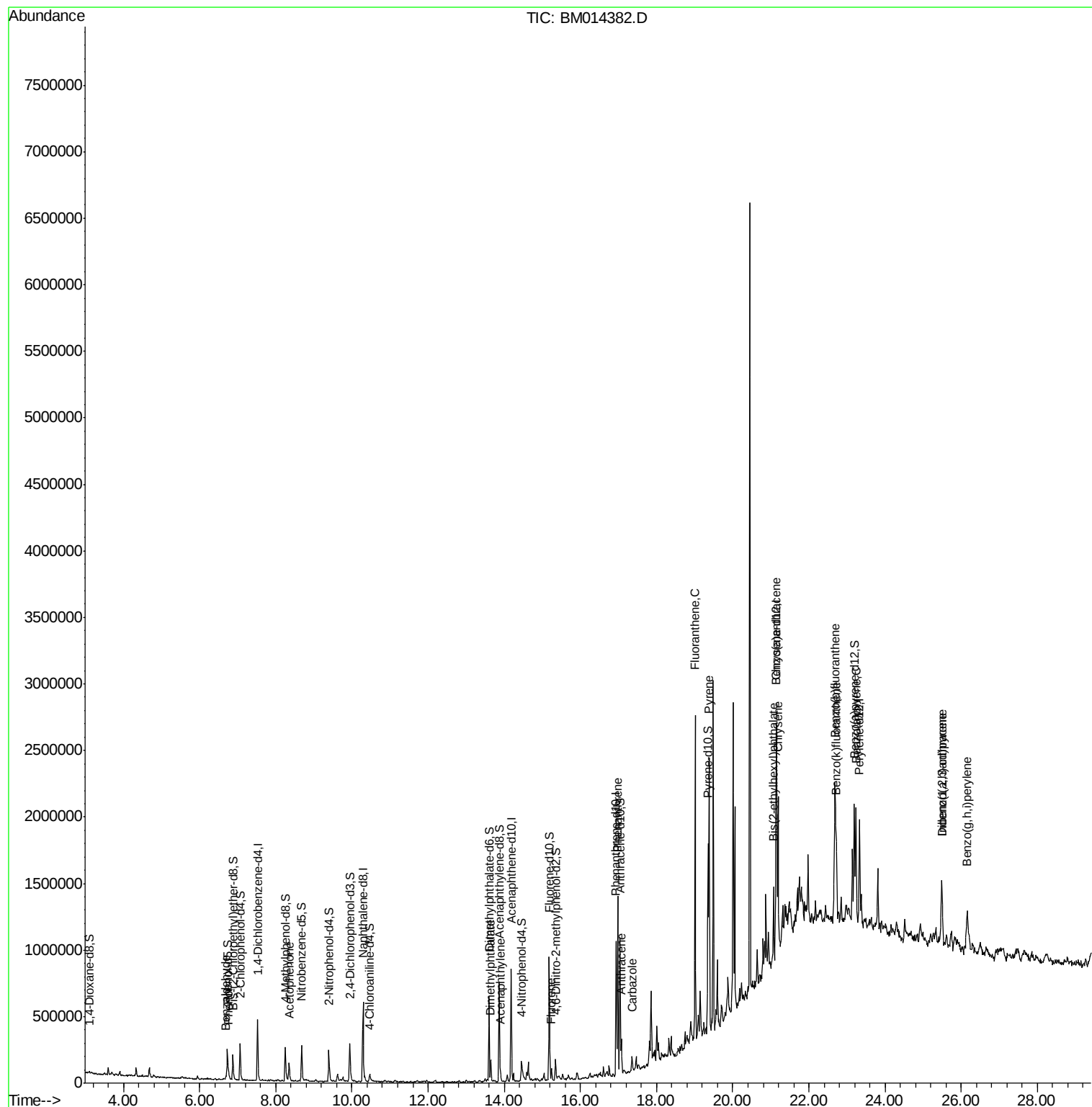
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014382.D
Acq On : 27 Feb 2018 14:49
Operator : SJ/JU
Sample : J1631-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

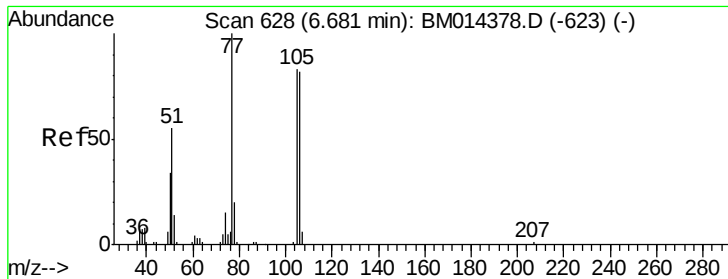
Instrument :
BNA_M
ClientSampleId :
BE5Y4

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2/28/2018 1:59:05 PM

Quant Time: Mar 09 04:53:08 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 27 03:22:24 2018
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 4.636 ng/ul m

RT: 6.70 min Scan# 631

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

ClientSampled :

BE5Y4

Tot Ion: 77 Resp: 16798

Ion Ratio Lower Upper

77 100

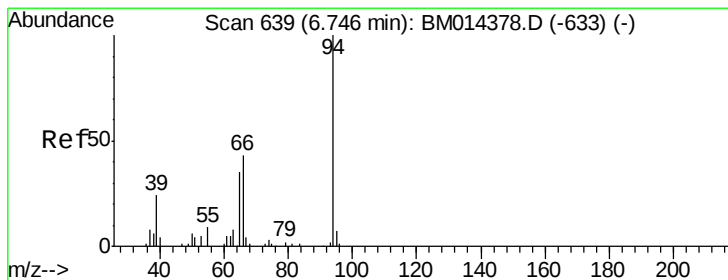
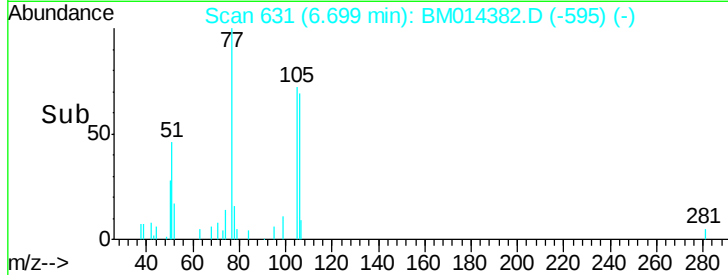
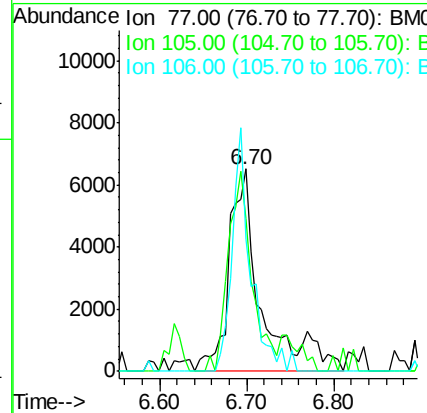
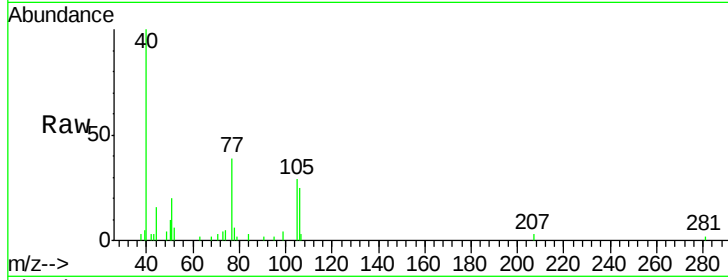
105 75.4 66.1 99.1

106 65.5 67.8 101.6#

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#6

Phenol

Concen: 2.887 ng/ul

RT: 6.76 min Scan# 642

Delta R.T. 0.02 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

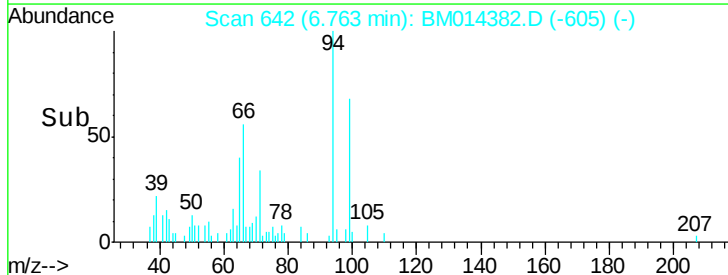
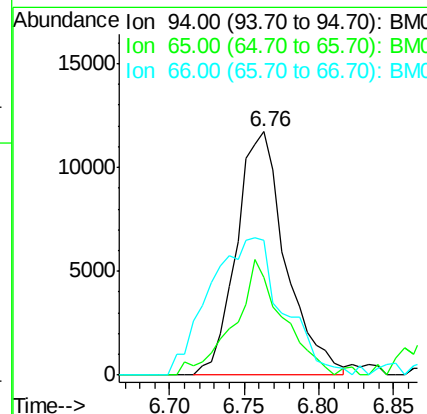
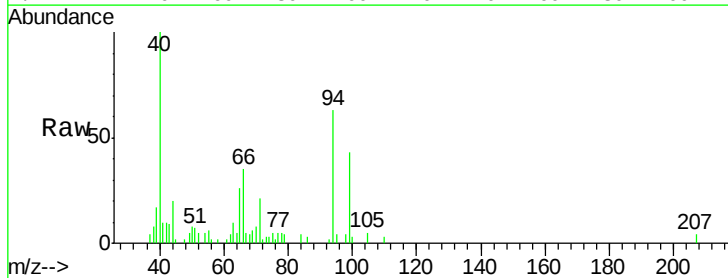
Tgt Ion: 94 Resp: 26922

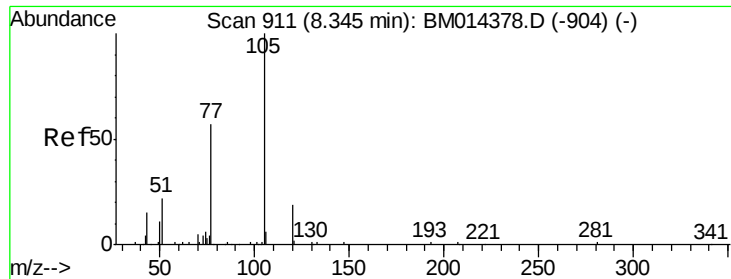
Ion Ratio Lower Upper

94 100

65 40.3 28.2 42.4

66 55.6 47.2 70.8





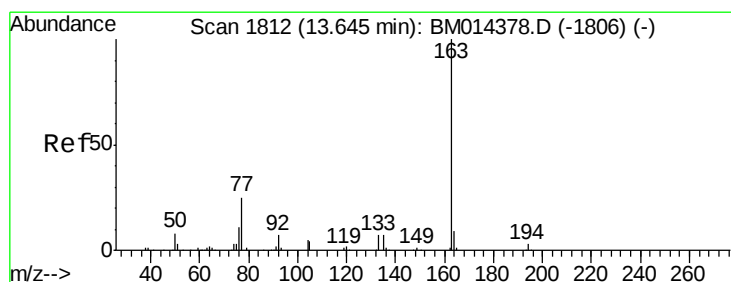
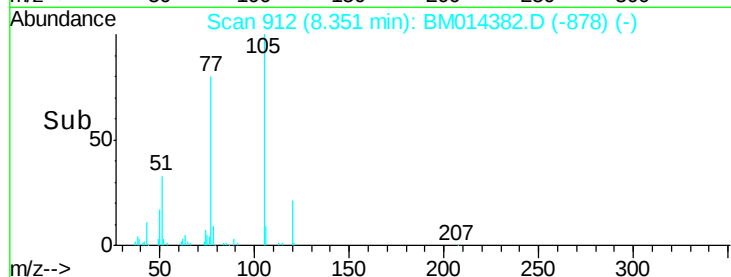
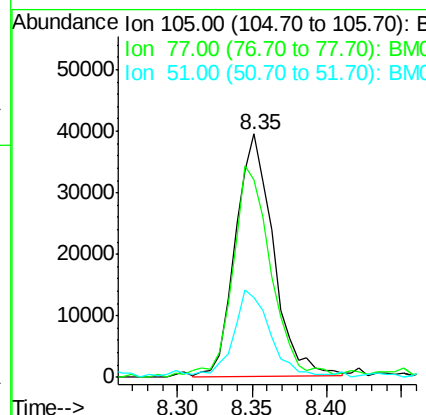
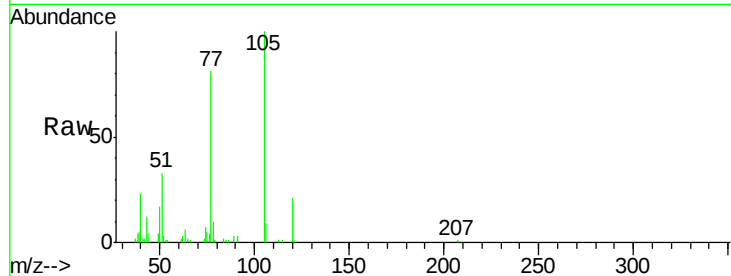
#14
Acetophenone
Concen: 5.204 ng/ul
RT: 8.35 min Scan# 912
Delta R.T. 0.00 min
Lab File: BM014382.D
Acq: 27 Feb 2018 14:49

Instrument :
BNA_M
ClientSampled :
BE5Y4

Tot Ion:	105	Resp:	69825
Ion Ratio	Lower	Upper	
105	100		
77	81.0	74.2	111.4
51	32.7	23.4	35.2

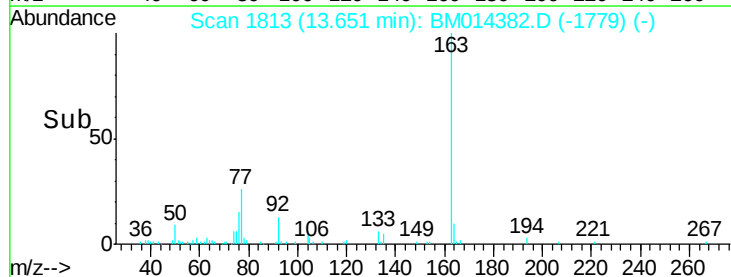
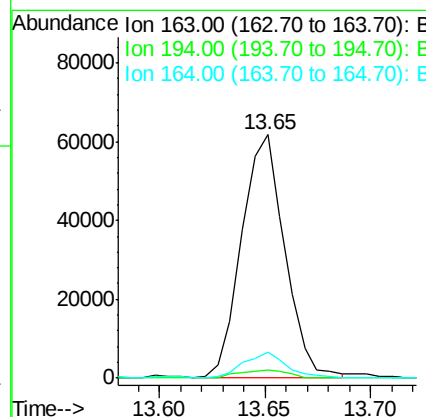
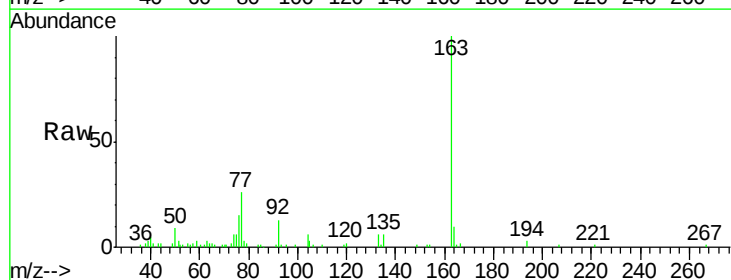
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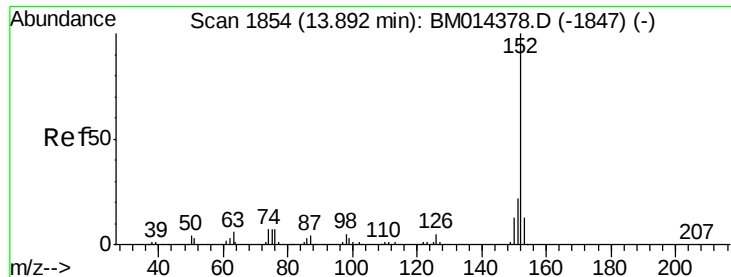
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#44
Dimethylphthalate
Concen: 4.294 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BM014382.D
Acq: 27 Feb 2018 14:49

Tgt Ion:	163	Resp:	87769
Ion Ratio	Lower	Upper	
163	100		
194	3.1	3.5	5.3#
164	10.5	8.2	12.4





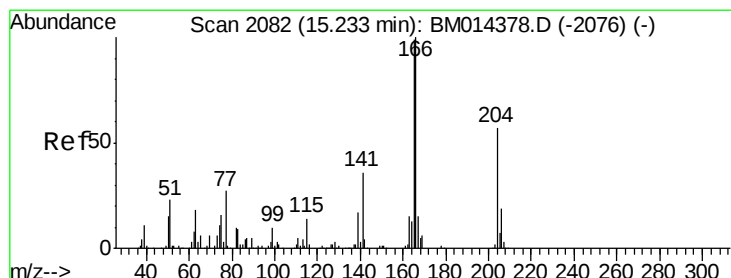
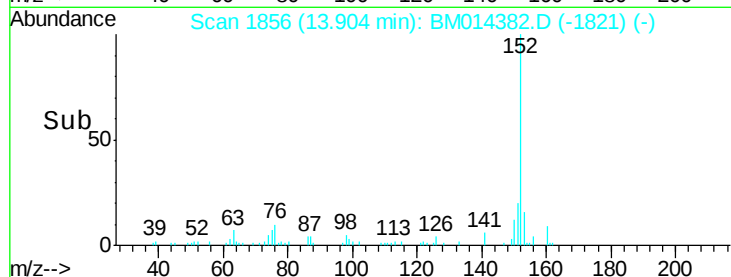
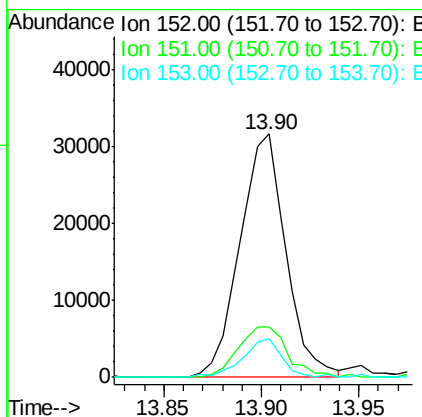
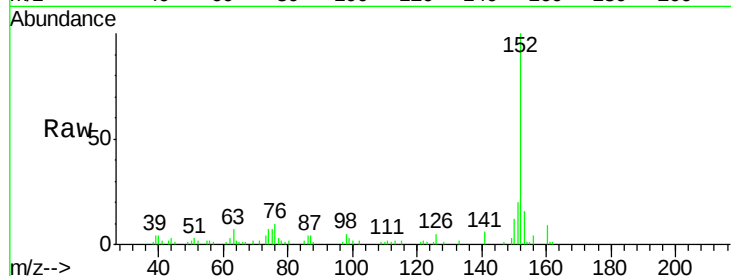
#47
Acenaphthylene
Concen: 2.138 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014382.D
Acq: 27 Feb 2018 14:49

Instrument :
BNA_M
ClientSampleId :
BE5Y4

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	15.8	10.2	15.4

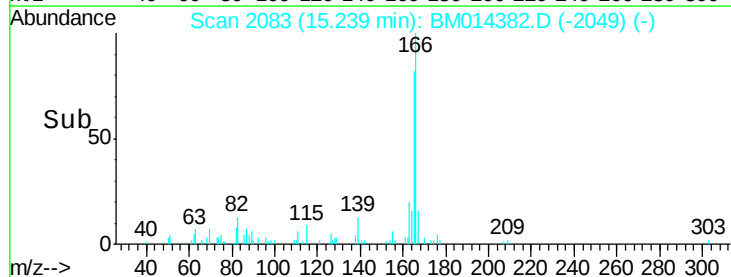
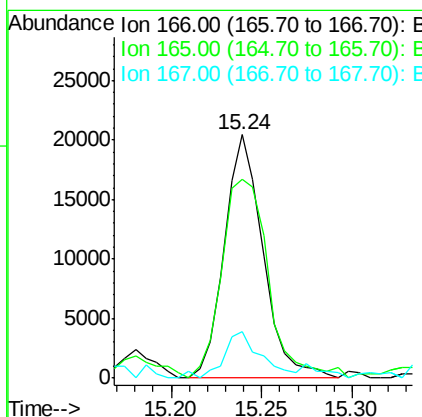
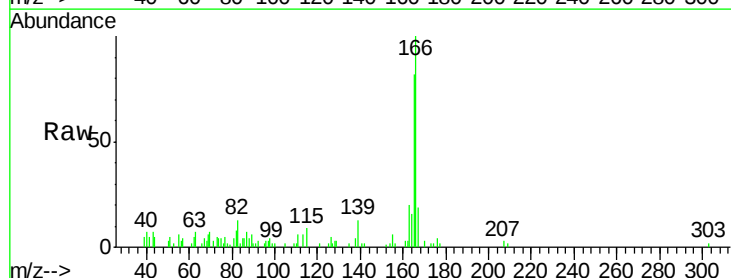
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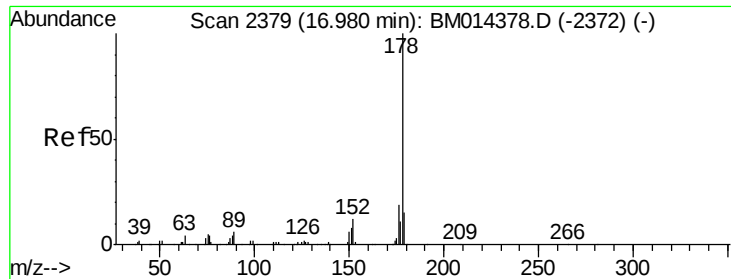
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#58
Fluorene
Concen: 1.381 ng/ul
RT: 15.24 min Scan# 2083
Delta R.T. 0.00 min
Lab File: BM014382.D
Acq: 27 Feb 2018 14:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	81.6	77.9	116.9
167	19.3	10.6	16.0





#69

Phenanthrene

Concen: 23.400 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

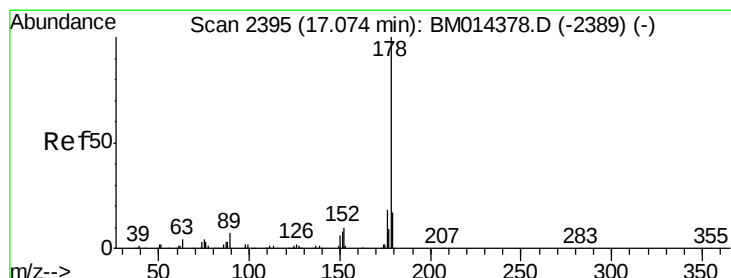
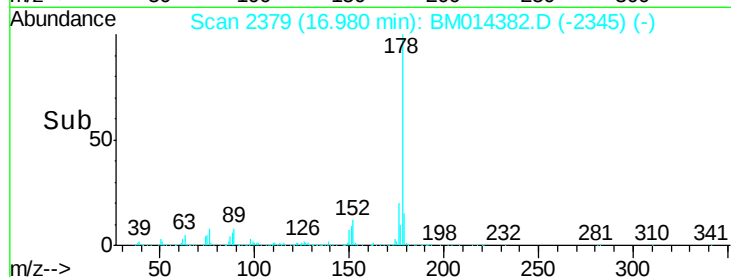
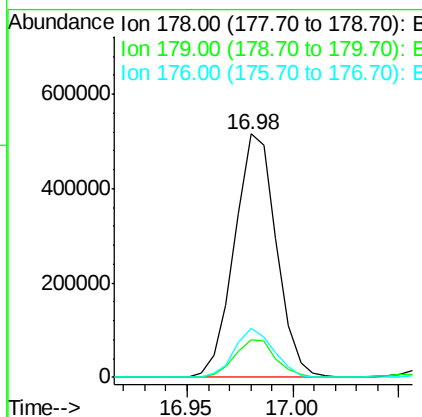
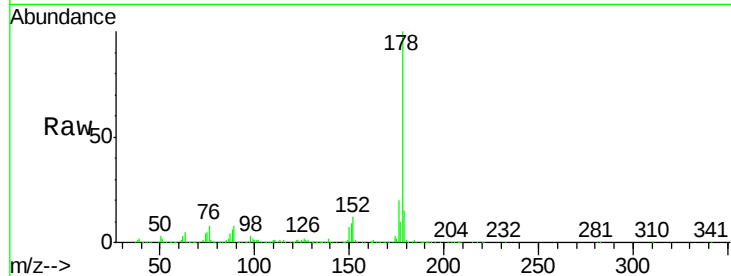
ClientSampleId :

BE5Y4

Tot Ion:	178	Resp:	705839
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.6	19.0
176	20.3	14.9	22.3

Manual Integrations
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#71

Anthracene

Concen: 4.718 ng/ul

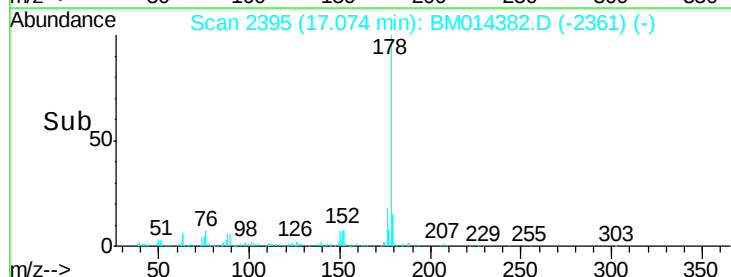
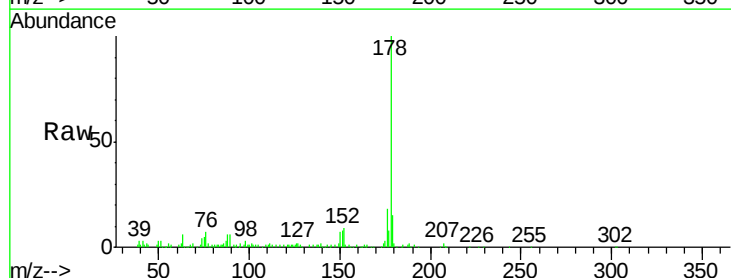
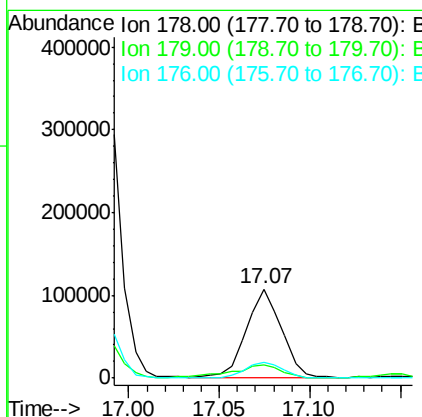
RT: 17.07 min Scan# 2395

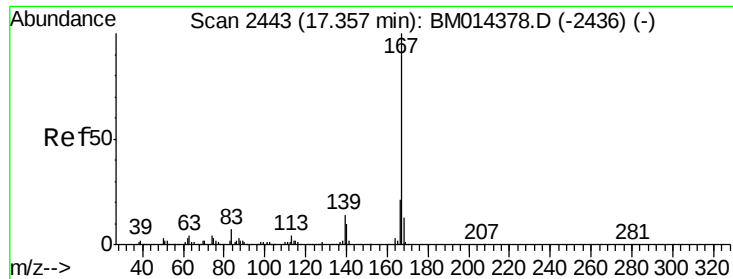
Delta R.T. 0.00 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Tgt Ion:	178	Resp:	143114
Ion Ratio	Lower	Upper	
178	100		
179	15.1	11.7	17.5
176	17.8	14.6	21.8





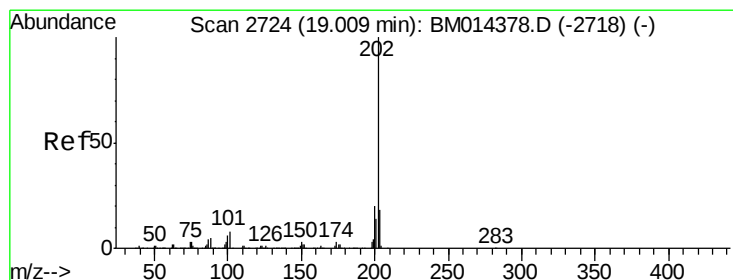
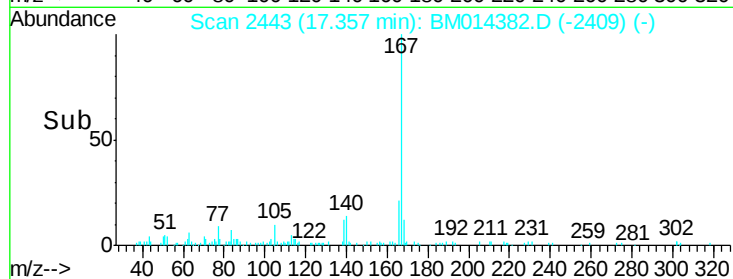
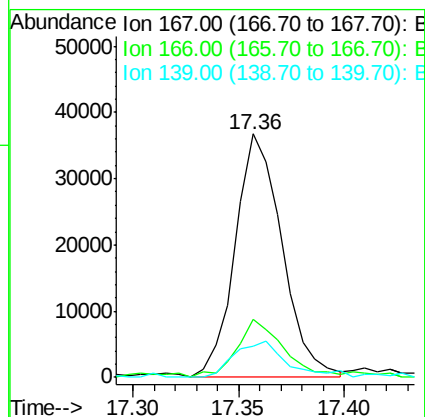
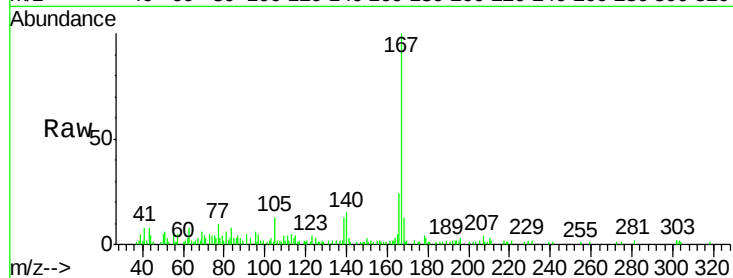
#72
 Carbazole
 Concen: 2.222 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014382.D
 Acq: 27 Feb 2018 14:49

Instrument :
 BNA_M
 ClientSampled :
 BE5Y4

Tot Ion:	167	Resp:	56680
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.1	25.7
139	12.8	10.0	15.0

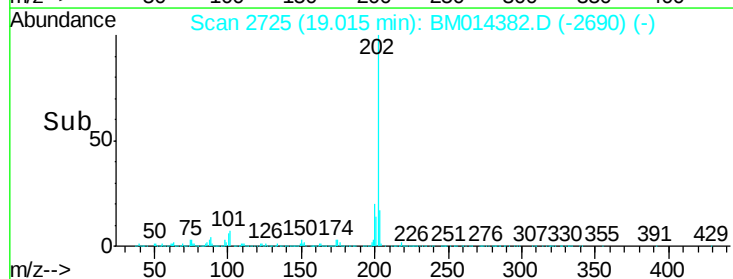
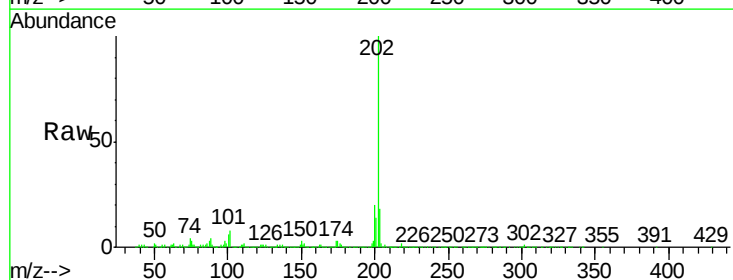
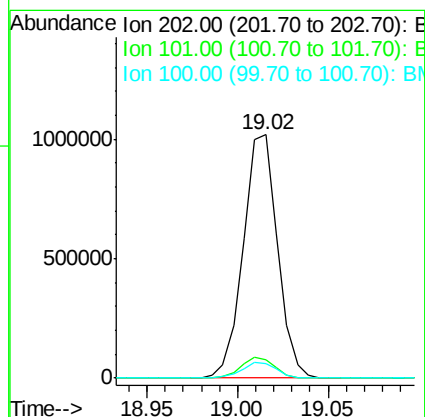
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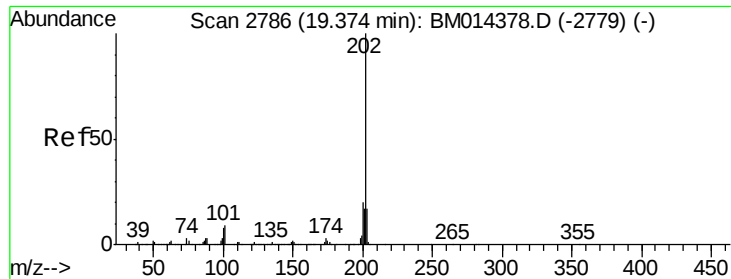
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#74
 Fluoranthene
 Concen: 37.122 ng/ul
 RT: 19.02 min Scan# 2725
 Delta R.T. 0.01 min
 Lab File: BM014382.D
 Acq: 27 Feb 2018 14:49

Tgt Ion:	202	Resp:	1337839
Ion Ratio	Lower	Upper	
202	100		
101	7.6	4.6	7.0#
100	6.1	3.4	5.2#





#77

Pvrene

Concen: 35.201 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

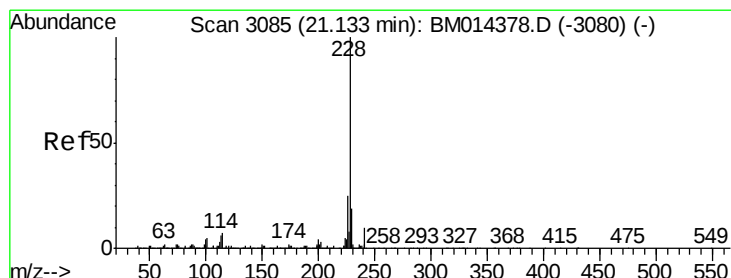
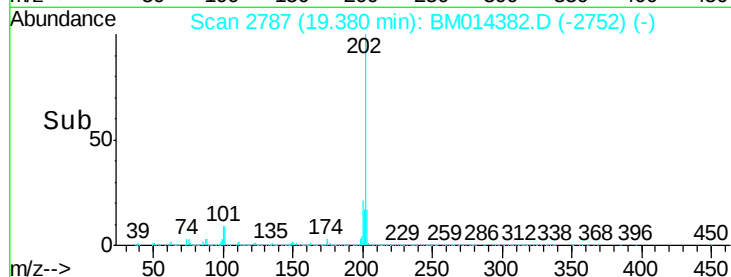
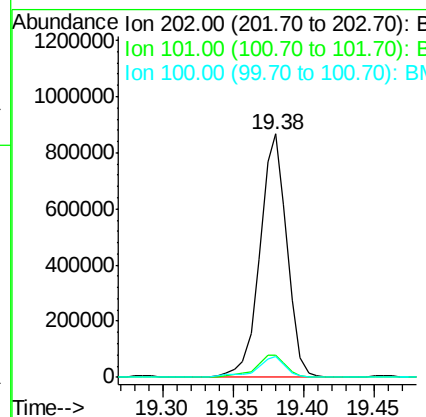
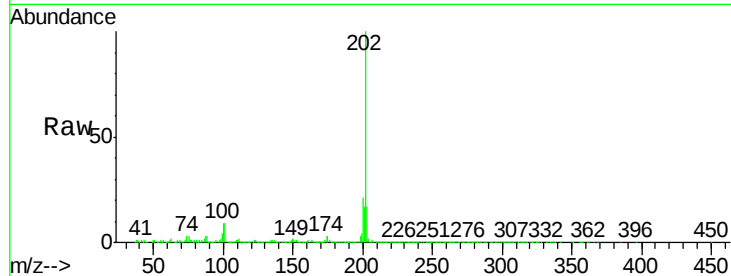
ClientSampleId :

BE5Y4

Tot Ion:	202	Resp:	1160575
Ion Ratio	Lower	Upper	
202	100		
101	9.4	5.1	7.7#
100	8.6	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 20.583 ng/ul

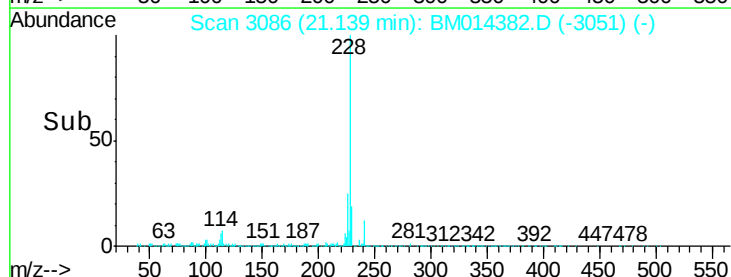
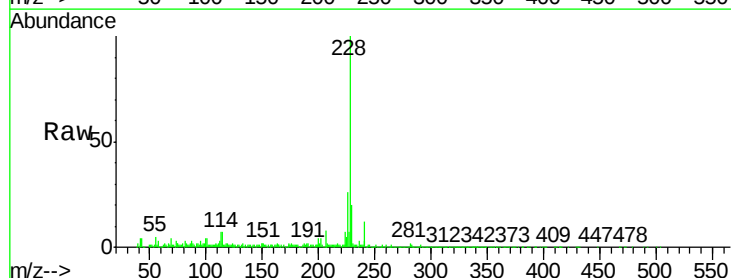
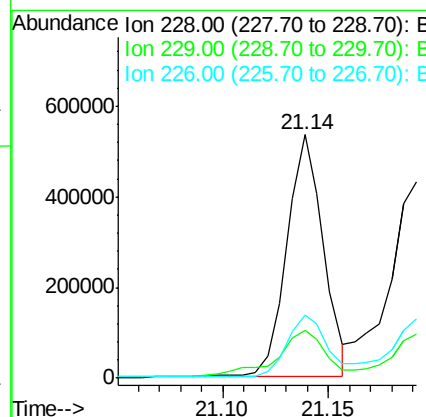
RT: 21.14 min Scan# 3086

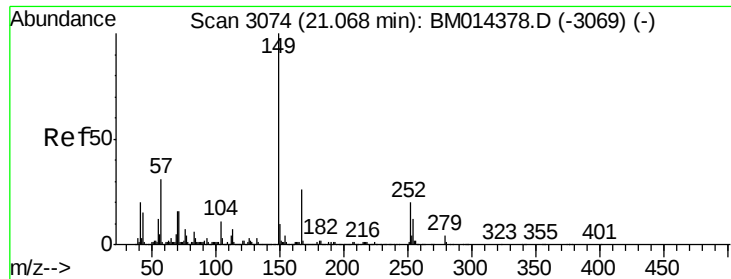
Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Tgt Ion:	228	Resp:	637313
Ion Ratio	Lower	Upper	
228	100		
229	19.7	15.4	23.0
226	25.8	21.4	32.0





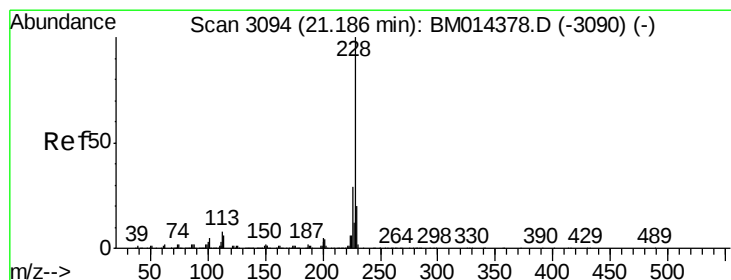
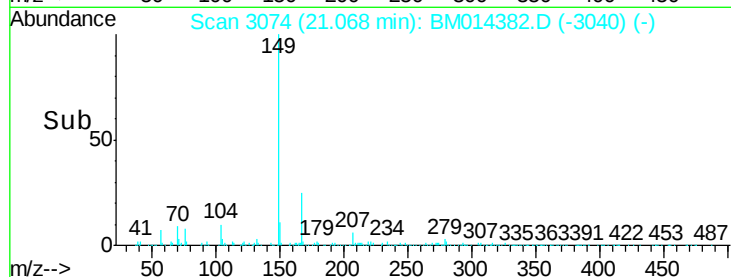
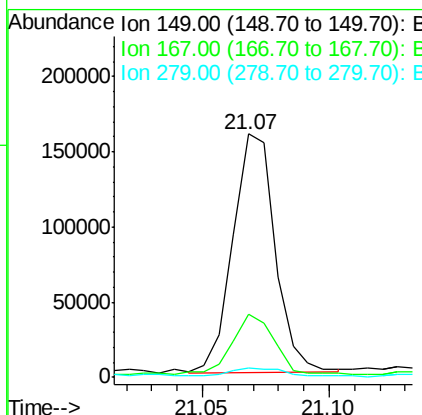
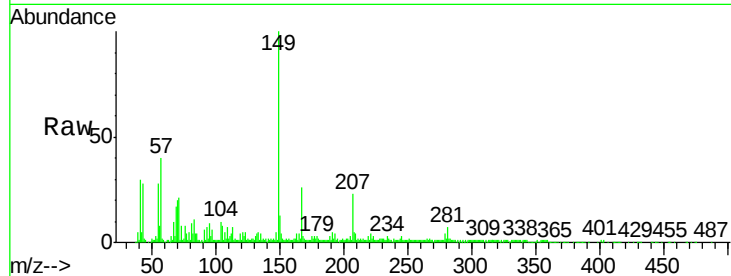
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 9.420 ng/ul
 RT: 21.07 min Scan# 3074
 Delta R.T. 0.00 min
 Lab File: BM014382.D
 Acq: 27 Feb 2018 14:49

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y4

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.8	22.8	34.2
279	4.1	4.9	7.3

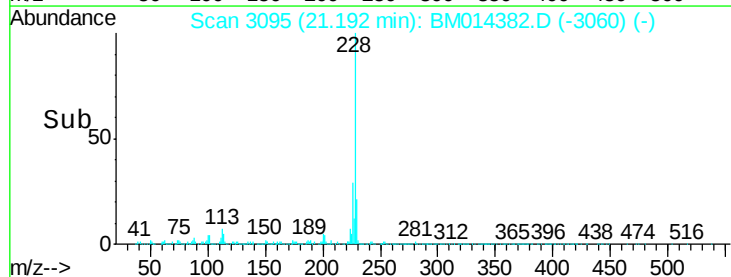
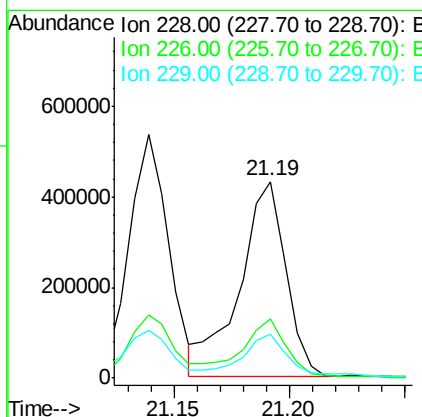
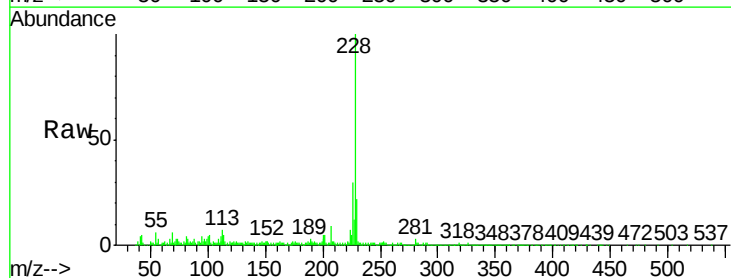
Manual Integrations
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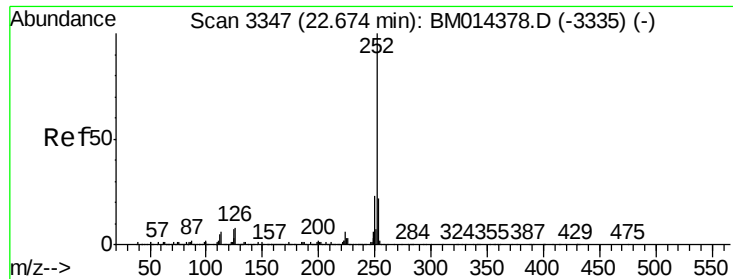
Sohil
 2/28/2018 1:59:05 PM



#82
 Chrysene
 Concen: 20.730 ng/ul
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM014382.D
 Acq: 27 Feb 2018 14:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	22.3	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 23.561 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

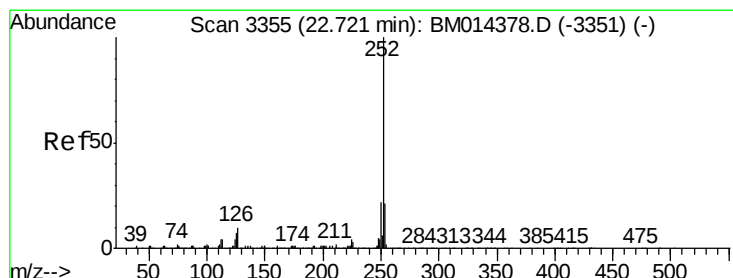
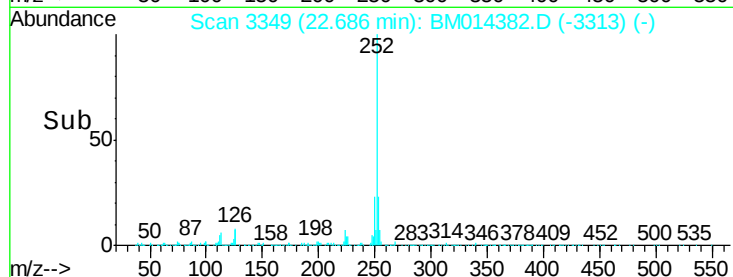
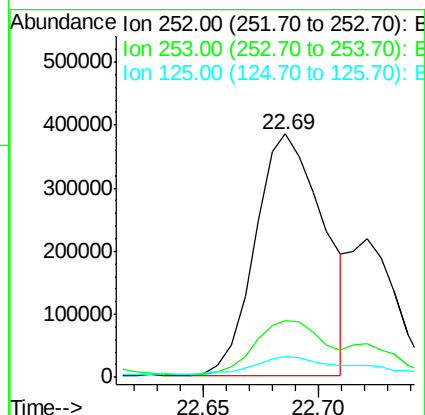
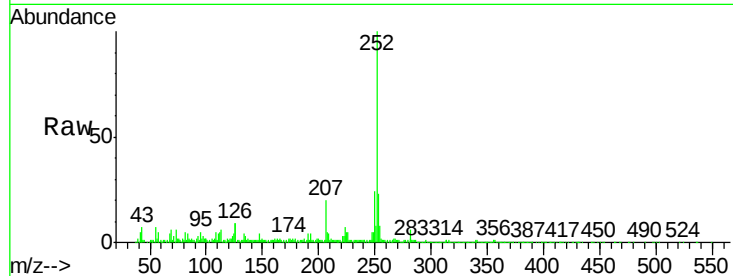
ClientSampled :

BE5Y4

Tot Ion:	252	Resp:	789573
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	8.8	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 9.574 ng/ul m

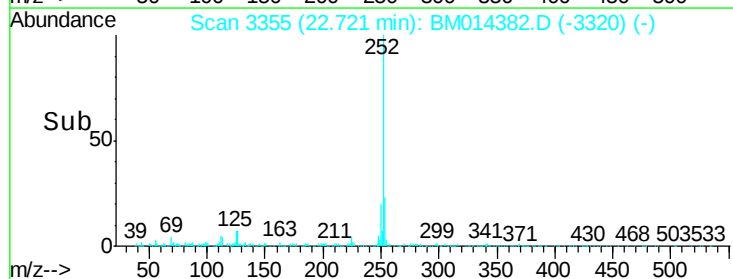
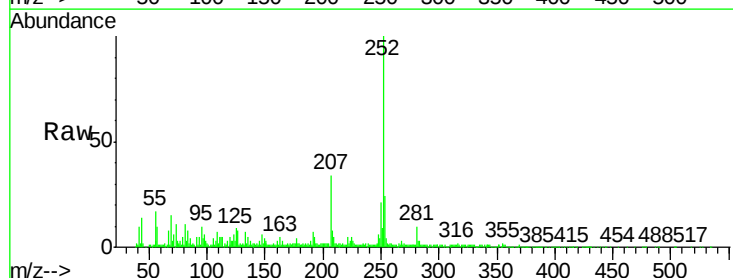
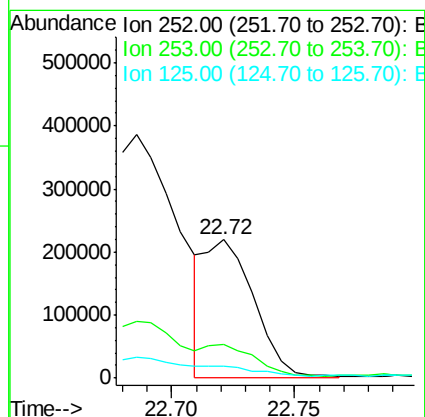
RT: 22.72 min Scan# 3355

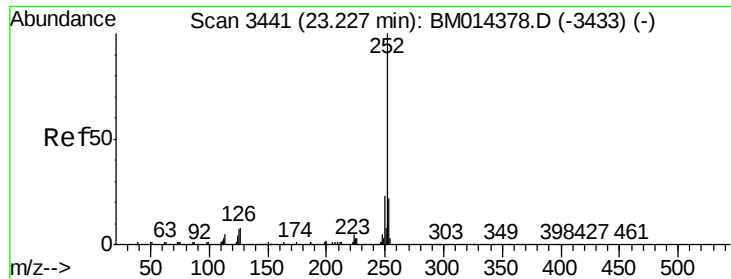
Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Tgt Ion:	252	Resp:	305036
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	8.7	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 19.087 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Instrument :

BNA_M

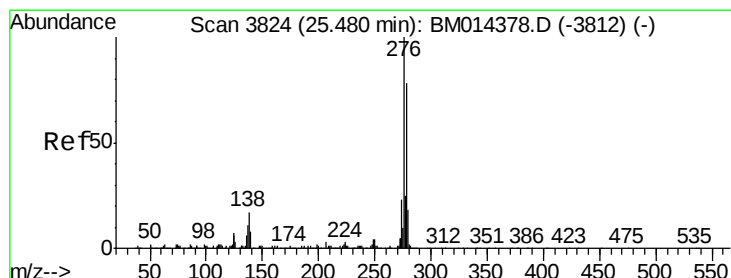
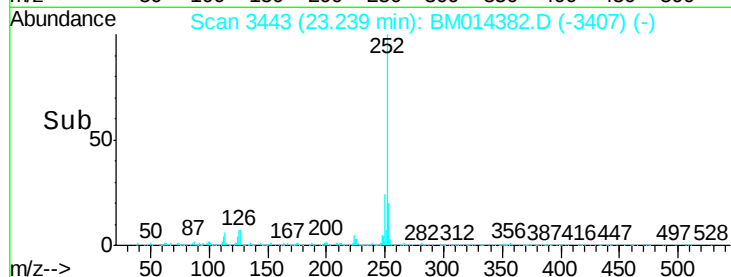
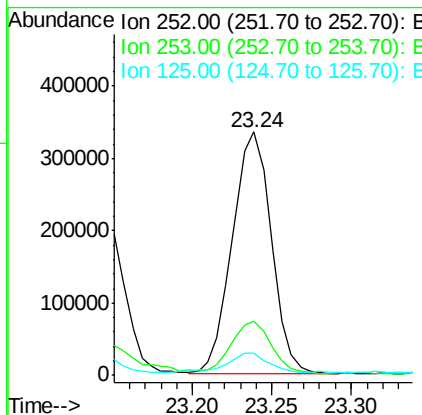
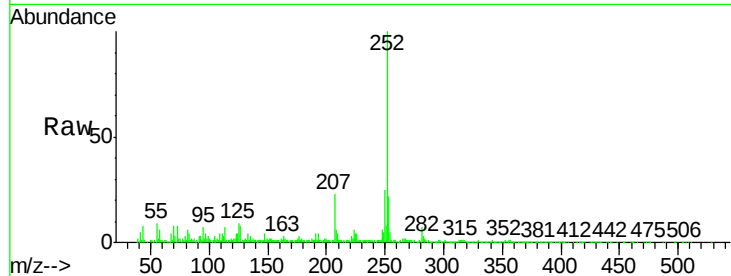
ClientSampled :

BE5Y4

Tot Ion:	252	Resp:	571594
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.2
125	8.9	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 13.516 ng/ul

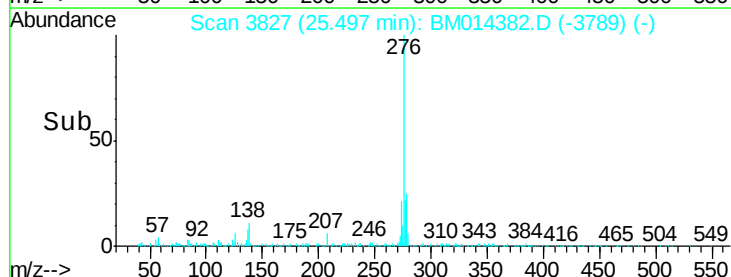
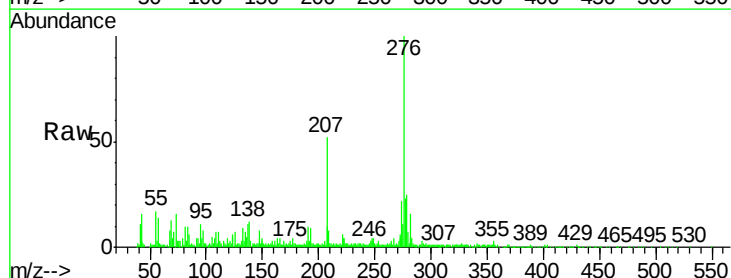
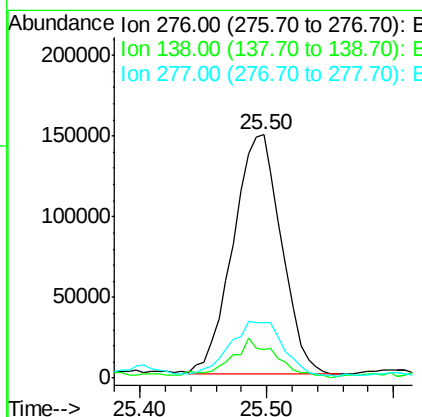
RT: 25.50 min Scan# 3827

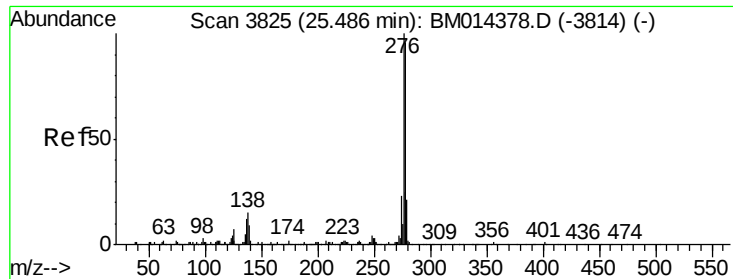
Delta R.T. 0.02 min

Lab File: BM014382.D

Acq: 27 Feb 2018 14:49

Tgt Ion:	276	Resp:	392769
Ion Ratio	Lower	Upper	
276	100		
138	11.8	9.3	13.9
277	22.6	19.9	29.9





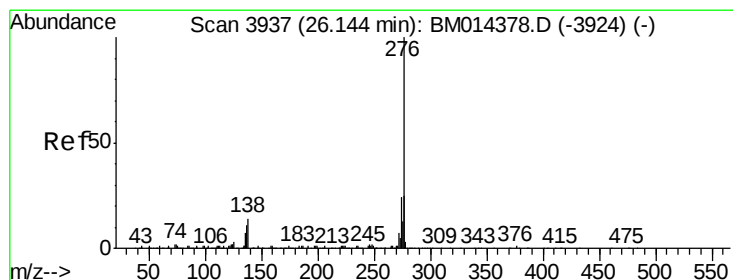
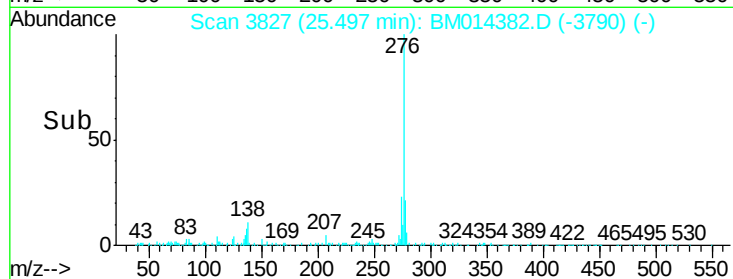
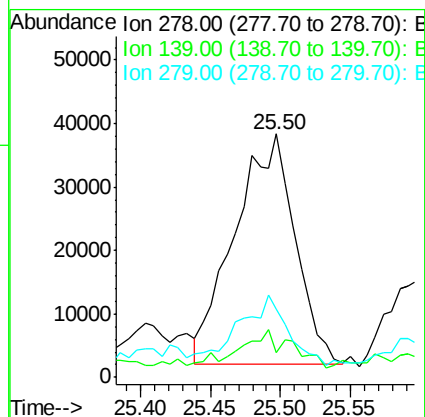
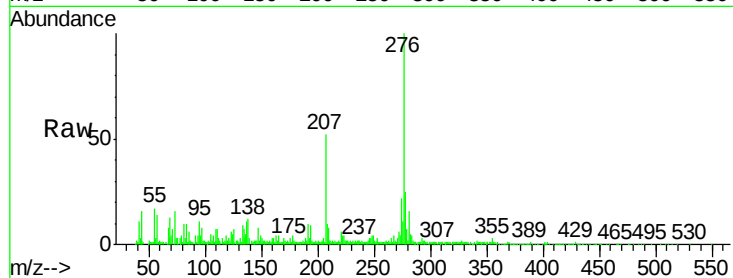
#90
Dibenzo(a,h)anthracene
Concen: 4.478 ng/ul m
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014382.D
Acq: 27 Feb 2018 14:49

Instrument :
BNA_M
ClientSampled :
BE5Y4

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.4	5.8	8.8#
279	27.9	18.6	27.8#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 13.284 ng/ul
RT: 26.16 min Scan# 3940
Delta R.T. 0.04 min
Lab File: BM014382.D
Acq: 27 Feb 2018 14:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	8.5	12.7#
277	23.4	18.6	28.0

