

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080716\
 Data File : BM006978.D
 Acq On : 08 Aug 2016 05:13
 Operator : UM/SJ
 Sample : H4302-14
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0J6

Manual Integrations
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Quant Time: Aug 08 15:59:36 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 15:12:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	288673	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	1328175	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	822954	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.97	188	1953133	20.00	ng/ul	0.00
29) Chrysene-d12	21.18	240	1961644	20.00	ng/ul	0.00
34) Perylene-d12	23.37	264	1692591	20.00	ng/ul	0.00

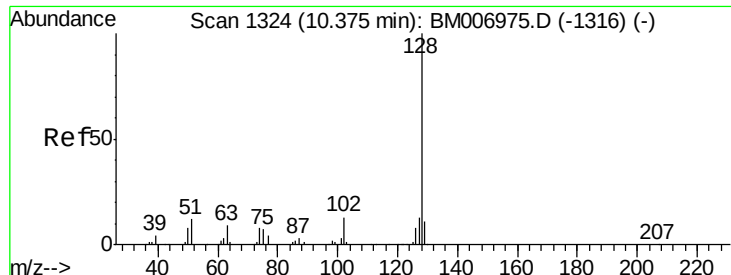
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.08	96	6103	0.97	ng/uL	0.00
3) Phenol-d5	6.77	99	374650	13.69	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	266911	15.55	ng/ul	0.00
5) 2-Chlorophenol-d4	7.09	132	310970	15.92	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	293149	12.83	ng/ul	0.00
8) Nitrobenzene-d5	8.71	128	166005	16.83	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	190176	16.10	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.97	165	343174	15.32	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	247954	9.27	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1196964	16.53	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1491804	17.81	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	121922	11.61	ng/ul	0.01
21) Fluorene-d10	15.21	176	1079594	17.54	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	126189m	15.65	ng/ul	0.00
26) Anthracene-d10	17.07	188	1706235	18.08	ng/ul	0.00
30) Pyrene-d10	19.37	212	1963908	21.00	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.23	264	1461533	18.13	ng/ul	0.00

Target Compounds

						Qvalue
11) Naphthalene	10.37	128	408897	6.00	ng/ul	97
13) 2-Methylnaphthalene	12.00	142	89616	1.64	ng/ul	96
14) 1-Methylnaphthalene	12.22	142	63632	1.21	ng/ul#	90
18) Acenaphthylene	13.93	152	121219	1.38	ng/ul	97
19) Acenaphthene	14.27	153	400827	7.00	ng/ul	99
22) Fluorene	15.26	166	276264	3.81	ng/ul	99
25) Phenanthrene	17.01	178	5586803	51.14	ng/ul	99
27) Anthracene	17.10	178	953325	8.34	ng/ul	98
28) Fluoranthene	19.04	202	9179165	69.06	ng/ul	97
31) Pyrene	19.41	202	7354044	60.32	ng/ul	97
32) Benzo(a)anthracene	21.17	228	3534989	30.38	ng/ul	97
33) Chrysene	21.22	228	3263264m	31.85	ng/ul	
35) Benzo(b)fluoranthene	22.72	252	4570381	41.38	ng/ul	98
36) Benzo(k)fluoranthene	22.76	252	1569869m	14.72	ng/ul	
38) Benzo(a)pyrene	23.28	252	3102592	30.98	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.56	276	2347426	23.10	ng/ul	96
40) Dibenzo(a,h)anthracene	25.56	278	583333	6.82	ng/ul#	85
41) Benzo(g,h,i)perylene	26.23	276	2252169	28.15	ng/ul	98

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



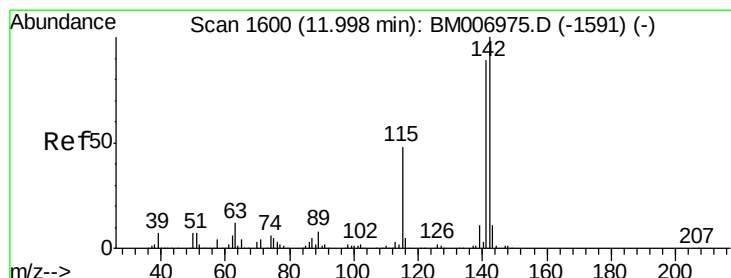
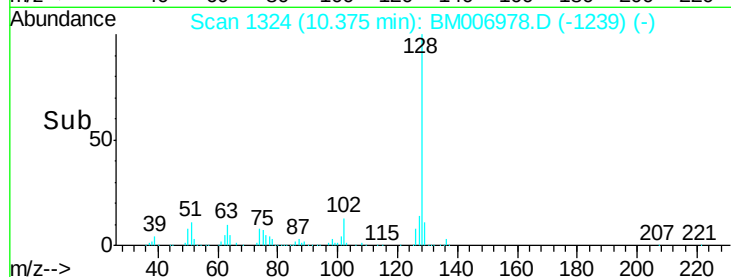
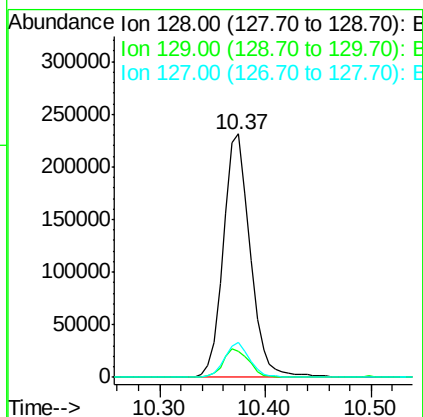
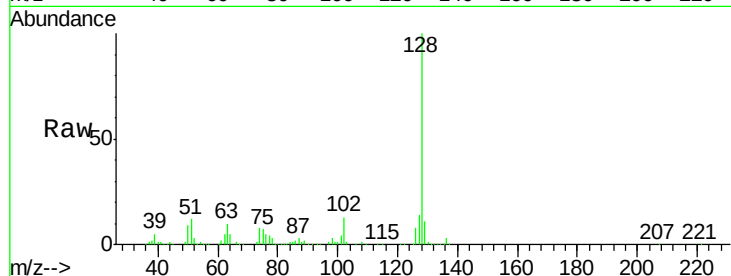
#11
Naphthalene
Concen: 6.00 ng/ul
RT: 10.37 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Instrument :
BNA_M
ClientSampleId :
DA0J6

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	408897		
129	10.8		8.6	13.0
127	14.1		9.8	14.8

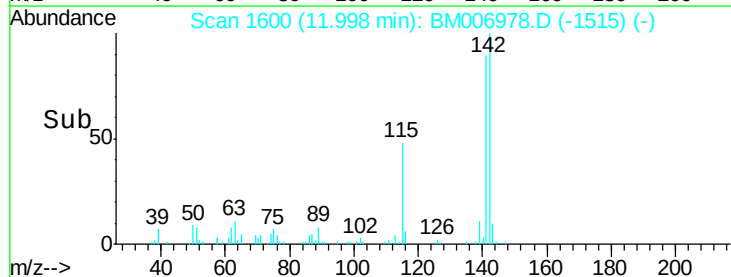
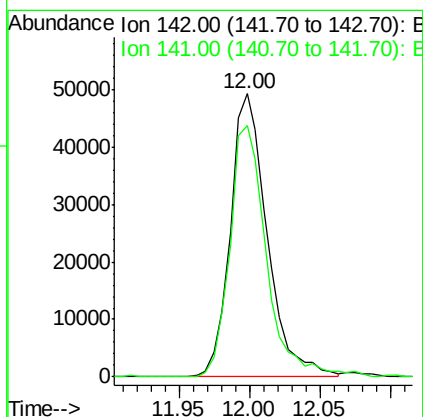
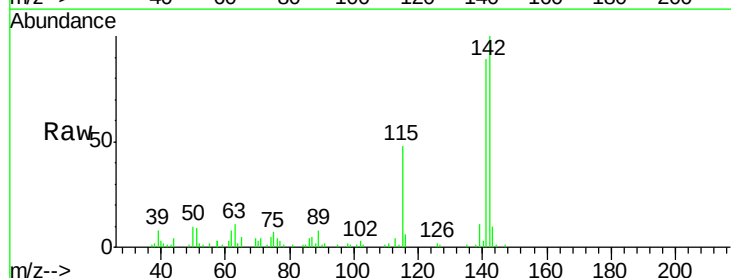
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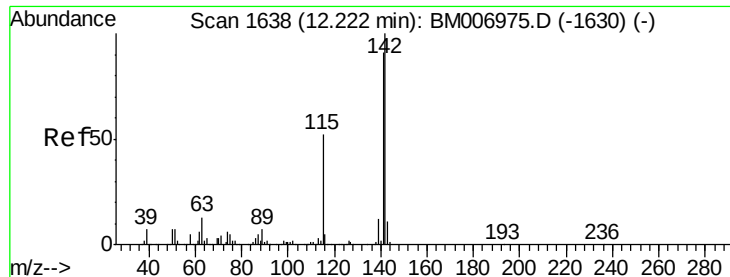
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#13
2-Methylnaphthalene
Concen: 1.64 ng/ul
RT: 12.00 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	89616		
141	88.7		68.2	102.2





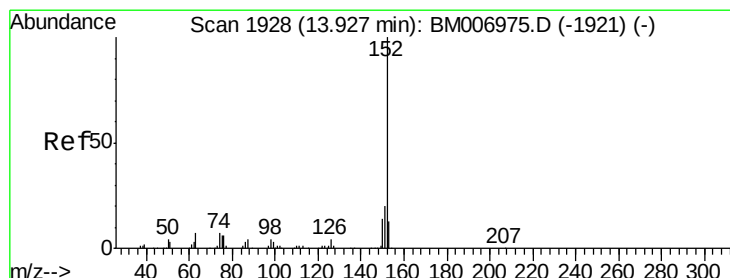
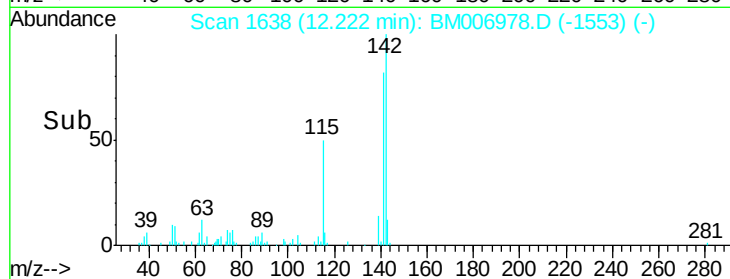
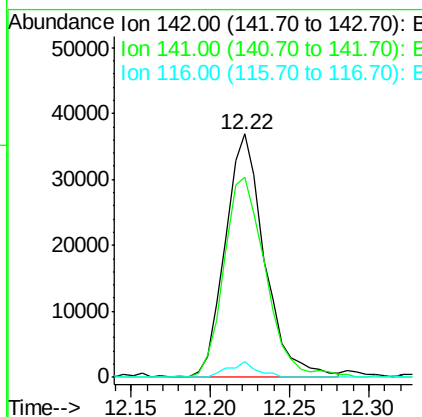
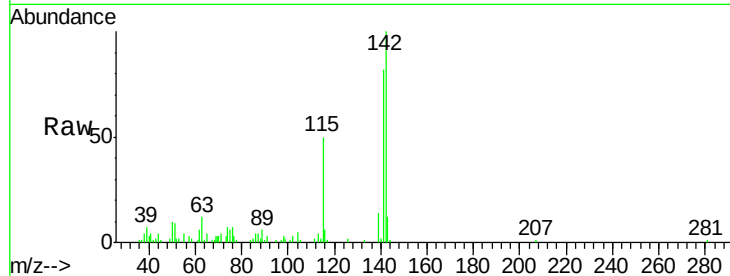
#14
1-Methylnaphthalene
Concen: 1.21 ng/ul
RT: 12.22 min Scan# 1638
Delta R.T. 0.00 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Instrument :
BNA_M
ClientSampleId :
DA0J6

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.1	73.2	109.8
116	6.3	4.0	6.0

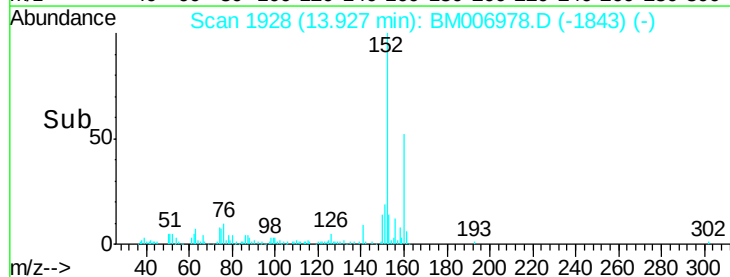
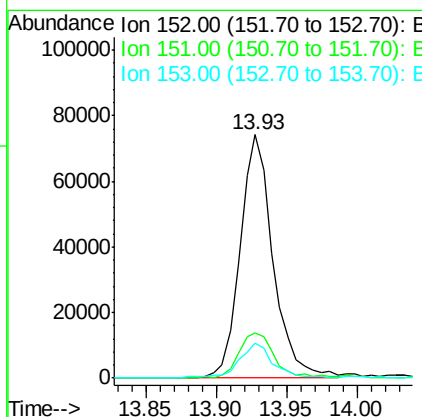
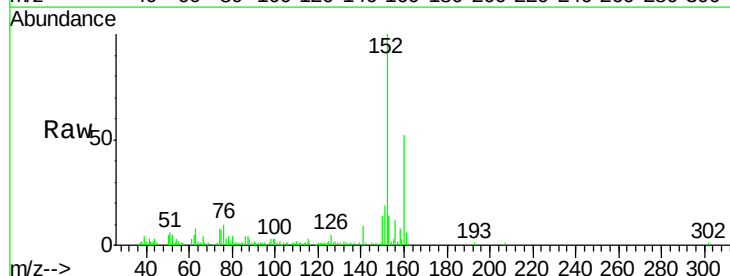
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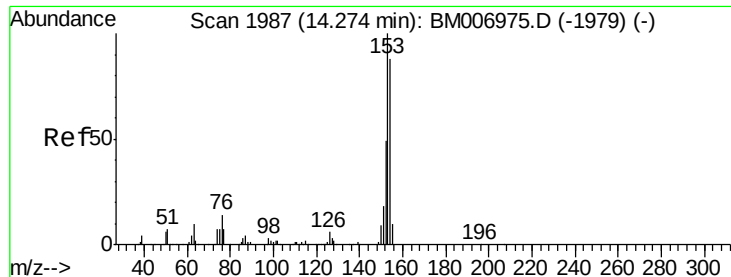
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#18
Acenaphthylene
Concen: 1.38 ng/ul
RT: 13.93 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.9	23.9
153	14.5	10.5	15.7





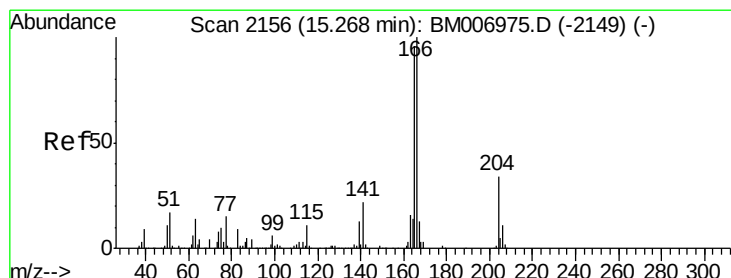
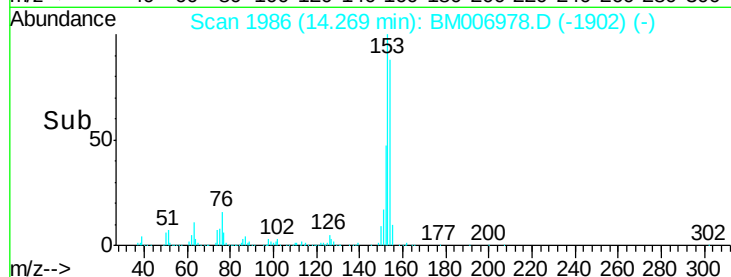
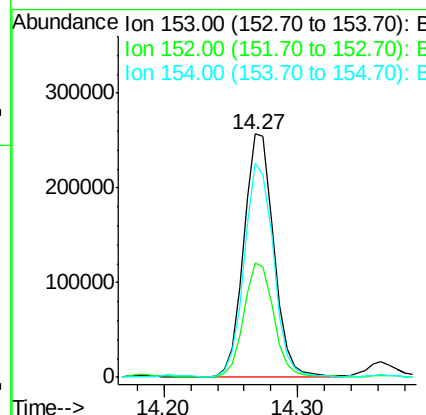
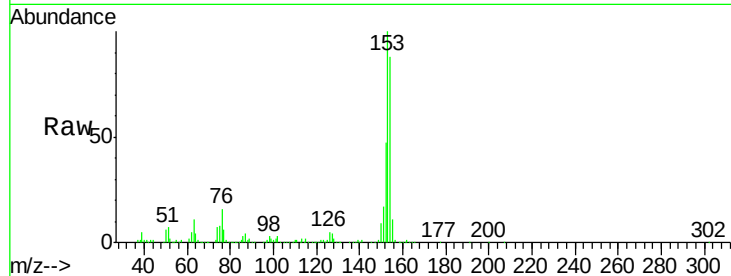
#19
Acenaphthene
Concen: 7.00 ng/ul
RT: 14.27 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Instrument :
BNA_M
ClientSampleId :
DA0J6

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.2	37.0	55.6
154	87.8	69.3	103.9

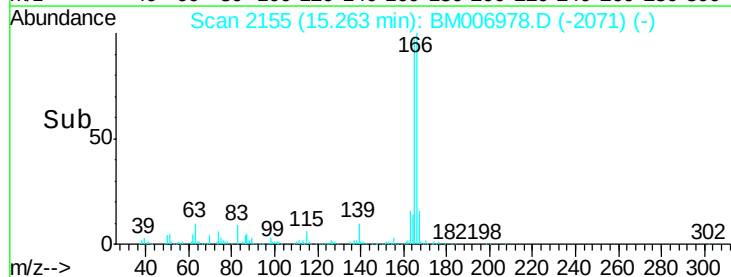
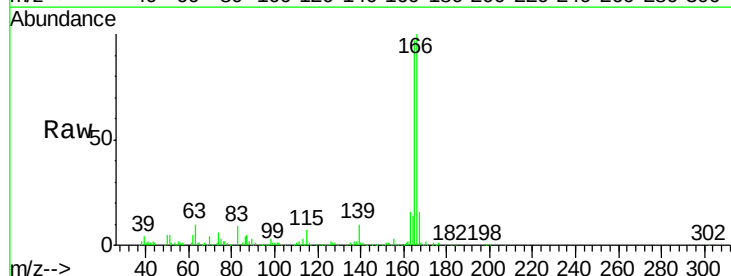
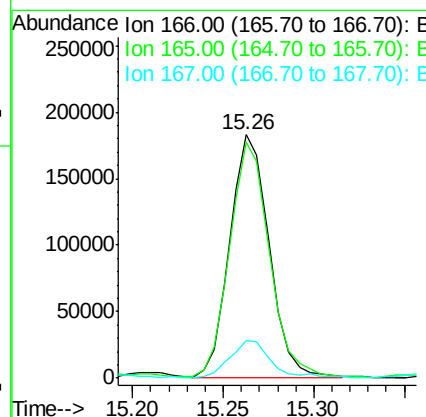
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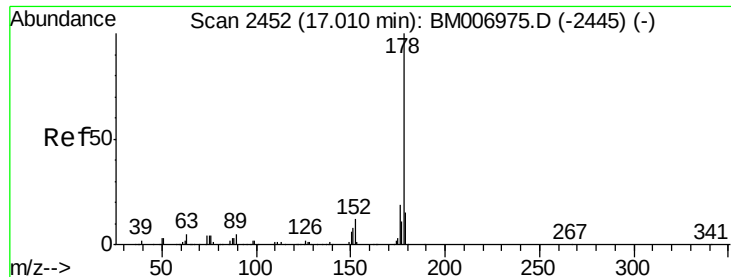
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#22
Fluorene
Concen: 3.81 ng/ul
RT: 15.26 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.2	117.4
167	15.7	10.7	16.1





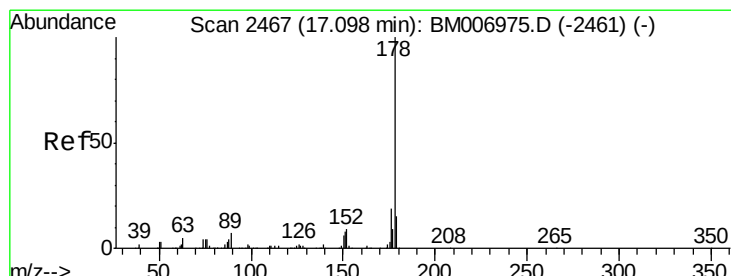
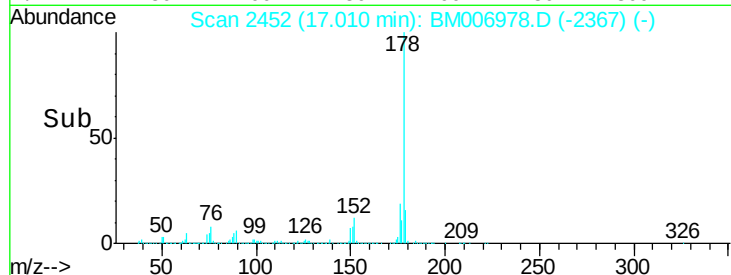
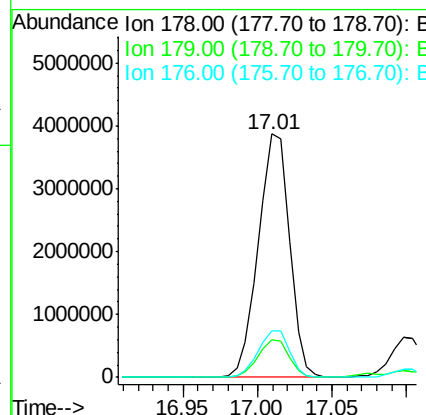
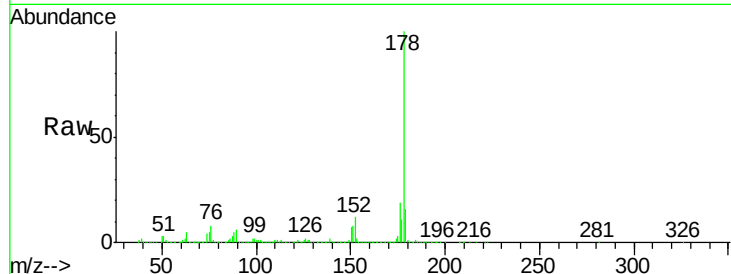
#25
Phenanthrene
Concen: 51.14 ng/ul
RT: 17.01 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Instrument :
BNA_M
ClientSampled :
DA0J6

Tgt Ion:178 Resp: 5586803
Ion Ratio Lower Upper
178 100
179 15.6 12.0 18.0
176 19.3 15.0 22.4

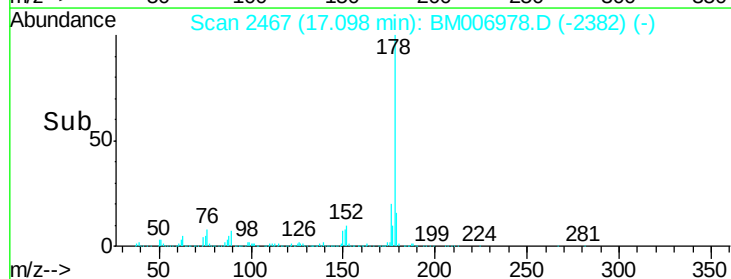
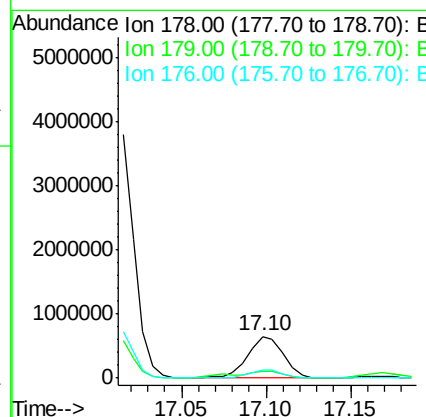
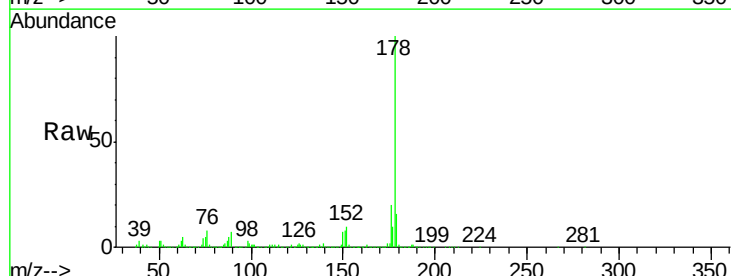
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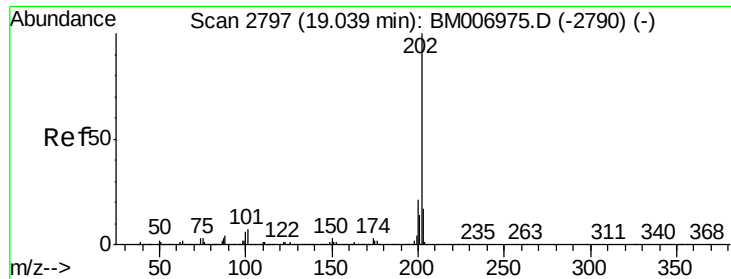
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#27
Anthracene
Concen: 8.34 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. 0.00 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Tgt Ion:178 Resp: 953325
Ion Ratio Lower Upper
178 100
179 16.3 12.5 18.7
176 19.9 15.4 23.0





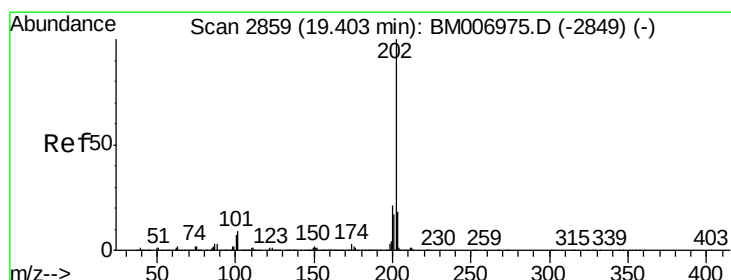
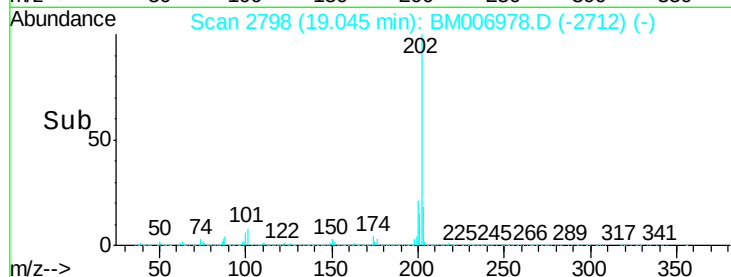
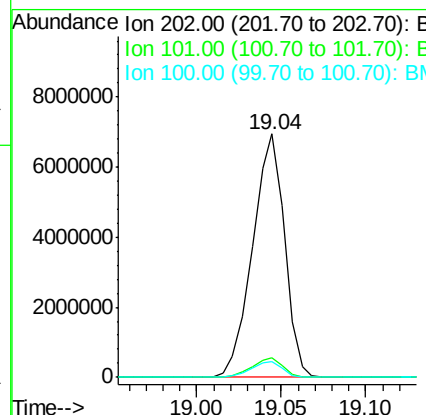
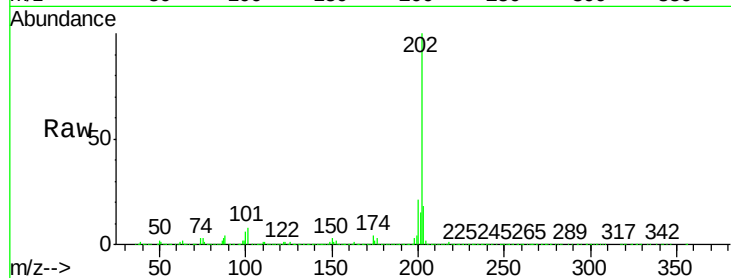
#28
Fluoranthene
 Concen: 69.06 ng/ul
 RT: 19.04 min Scan# 2798
 Delta R.T. 0.01 min
 Lab File: BM006978.D
 Acq: 08 Aug 2016 05:13

Instrument :
 BNA_M
 ClientSampleId :
 DA0J6

Tgt Ion:	202	Resp:	9179165
Ion Ratio	Lower	Upper	
202	100		
101	8.0	5.6	8.4
100	6.3	4.2	6.4

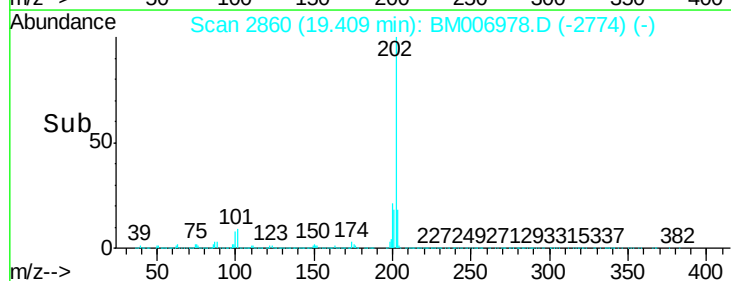
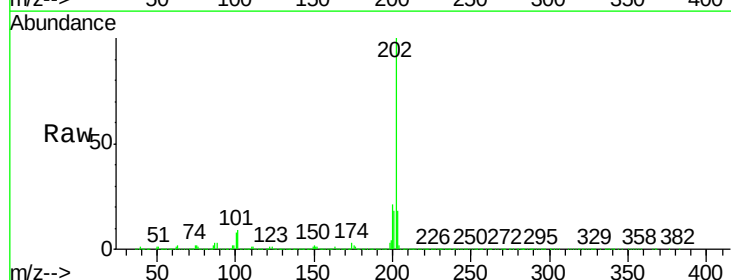
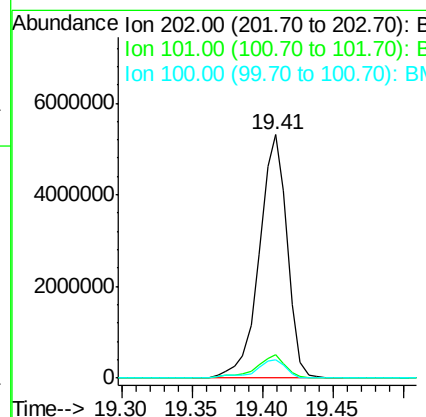
Manual Integrations
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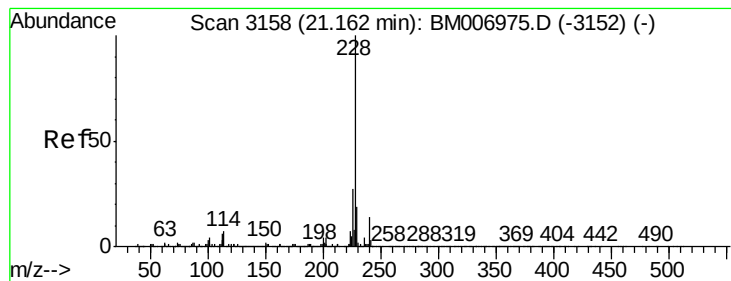
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#31
Pyrene
 Concen: 60.32 ng/ul
 RT: 19.41 min Scan# 2860
 Delta R.T. 0.01 min
 Lab File: BM006978.D
 Acq: 08 Aug 2016 05:13

Tgt Ion:	202	Resp:	7354044
Ion Ratio	Lower	Upper	
202	100		
101	9.4	6.4	9.6
100	7.6	5.4	8.2





#32

Benzo(a)anthracene

Concen: 30.38 ng/ul

RT: 21.17 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BM006978.D

Acq: 08 Aug 2016 05:13

Instrument :

BNA_M

ClientSampleId :

DA0J6

Tgt Ion:228 Resp: 3534989

Ion Ratio Lower Upper

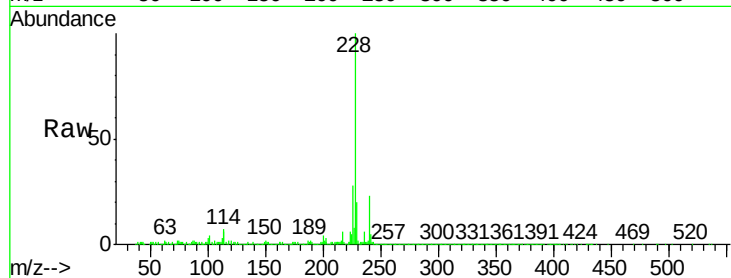
228 100

229 20.1 15.2 22.8

226 28.0 21.3 31.9

Manual Integrations
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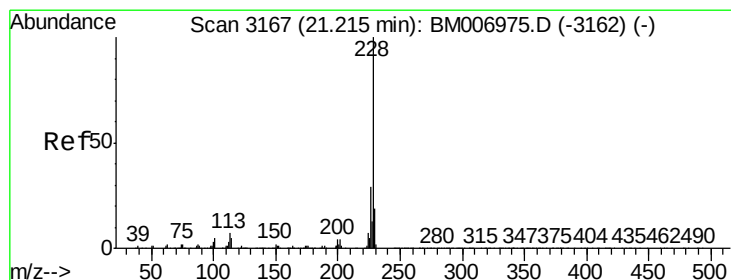
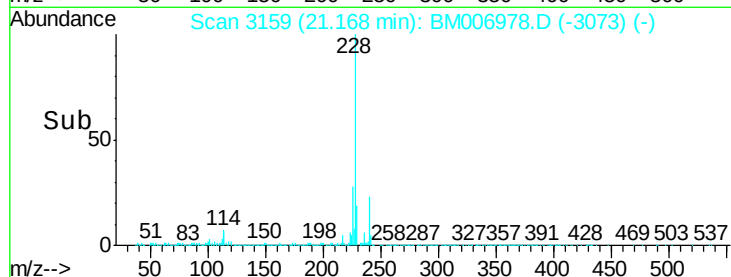
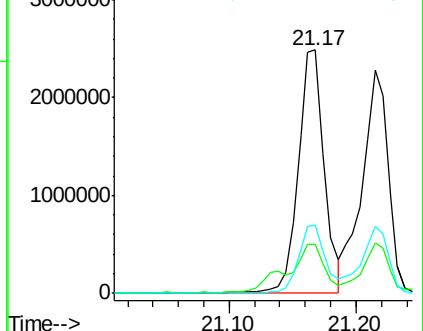
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#33

Chrysene

Concen: 31.85 ng/ul m

RT: 21.22 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BM006978.D

Acq: 08 Aug 2016 05:13

Tgt Ion:228 Resp: 3263264

Ion Ratio Lower Upper

228 100

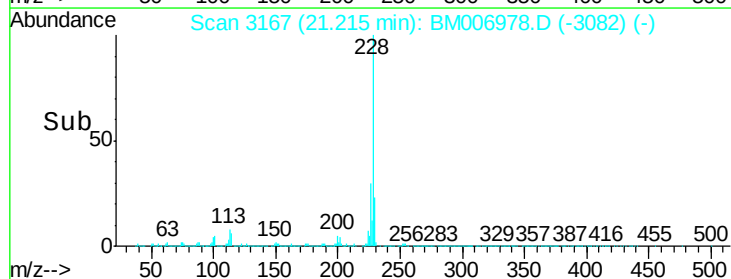
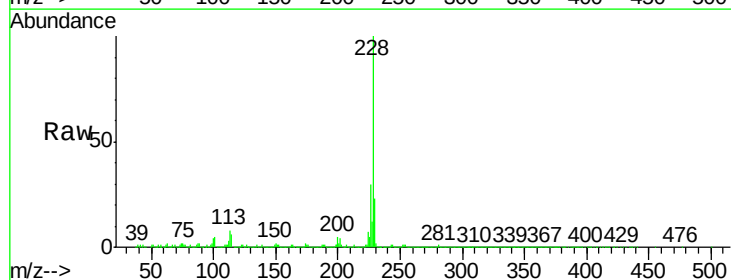
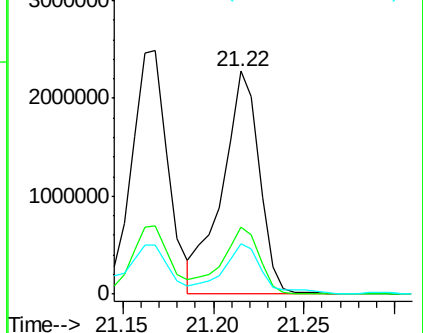
226 30.3 23.8 35.6

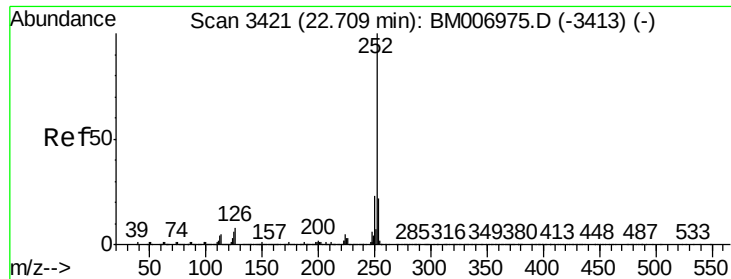
229 22.7 15.1 22.7#

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





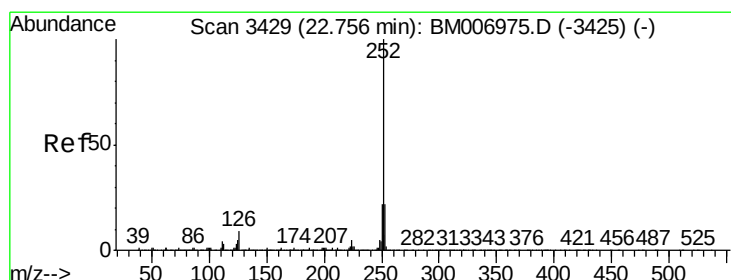
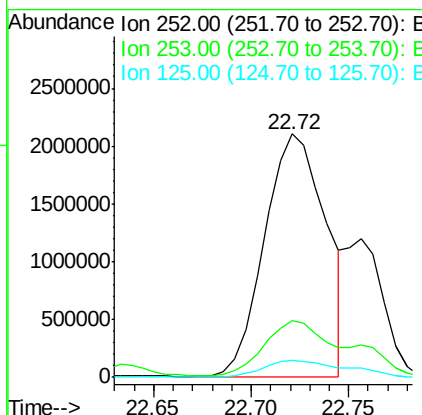
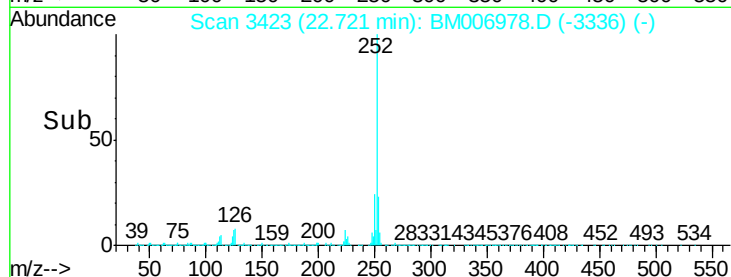
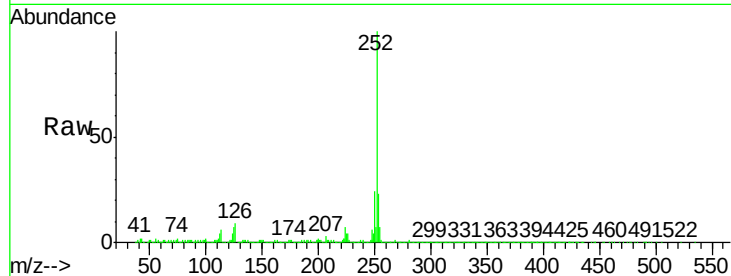
#35
Benzo(b)fluoranthene
Concen: 41.38 ng/ul
RT: 22.72 min Scan# 3423
Delta R.T. 0.01 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Instrument :
BNA_M
ClientSampleId :
DA0J6

Tgt Ion:252 Resp: 4570381
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 7.0 5.1 7.7

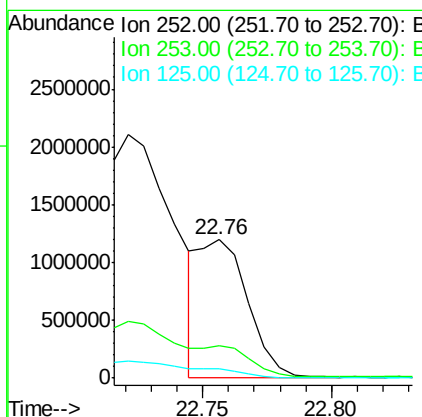
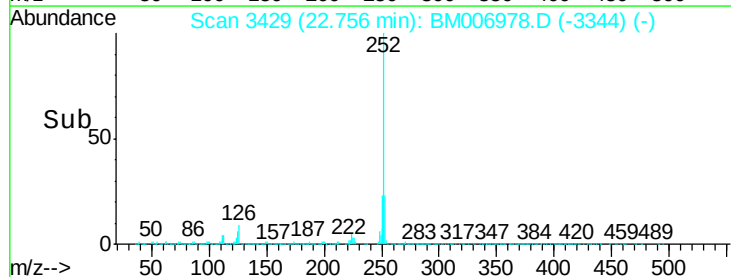
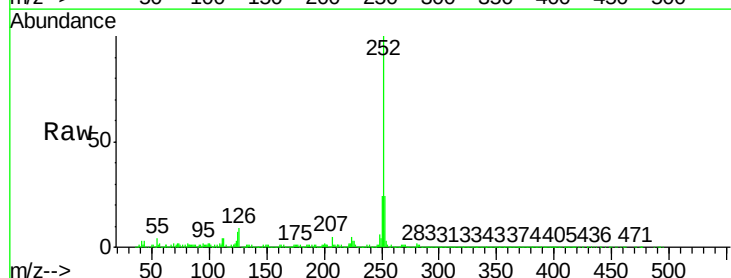
Manual Integrations
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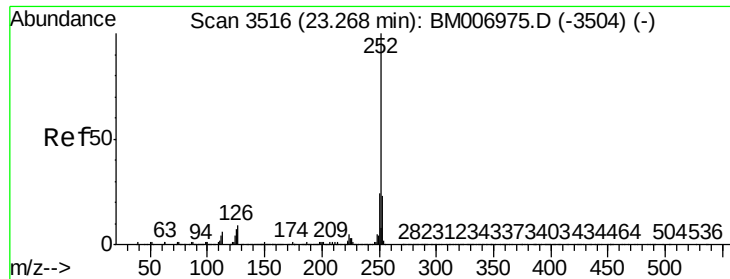
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#36
Benzo(k)fluoranthene
Concen: 14.72 ng/ul m
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006978.D
Acq: 08 Aug 2016 05:13

Tgt Ion:252 Resp: 1569869
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 6.7 5.1 7.7





#38

Benzo(a)pyrene

Concen: 30.98 ng/ul

RT: 23.28 min Scan# 3518

Delta R.T. 0.01 min

Lab File: BM006978.D

Acq: 08 Aug 2016 05:13

Instrument :

BNA_M

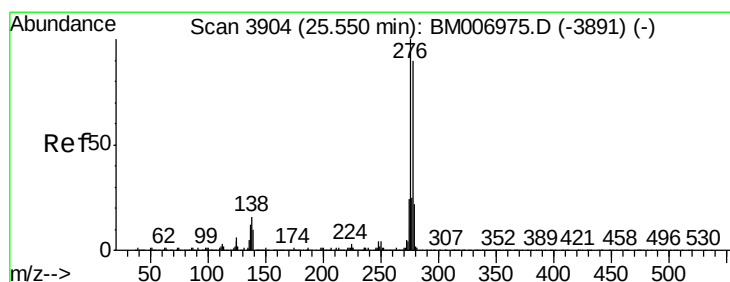
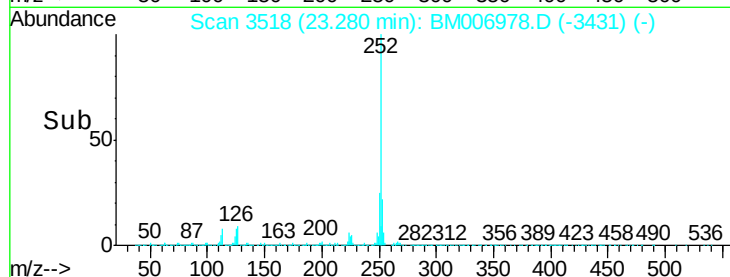
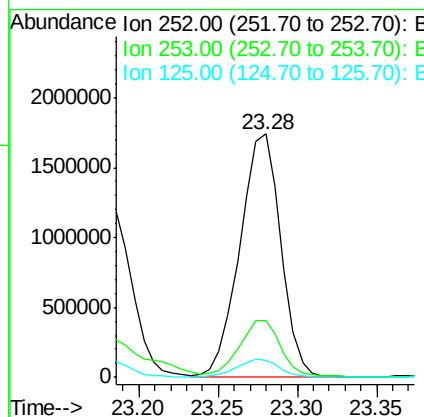
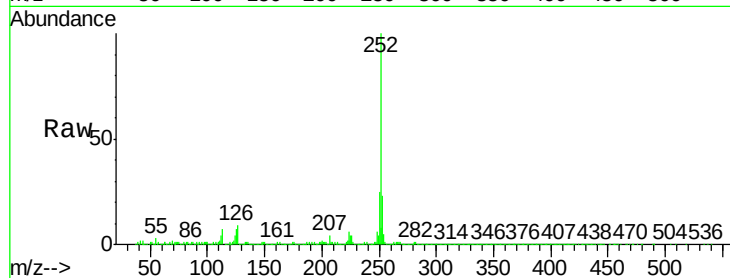
ClientSampleId :

DA0J6

Tgt Ion:	252	Resp:	3102592
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.2
125	7.3	5.6	8.4

Manual Integrations
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#39

Indeno(1,2,3-cd)pyrene

Concen: 23.10 ng/ul

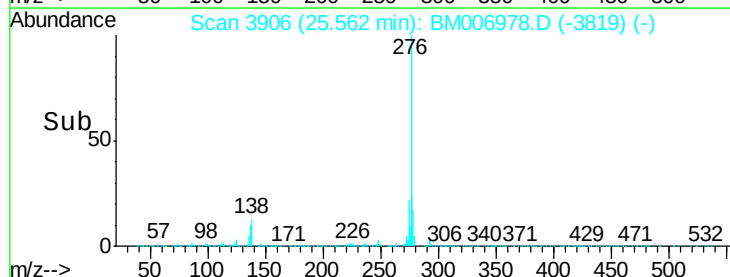
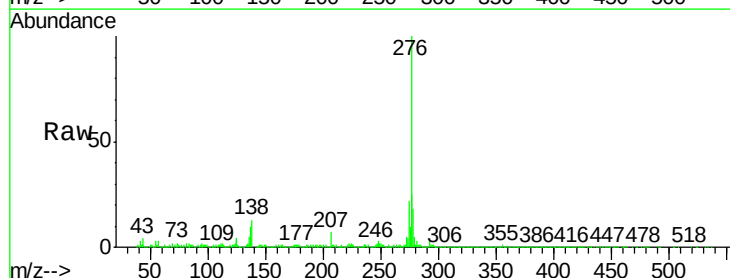
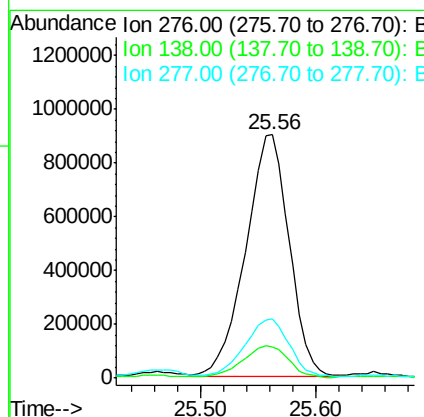
RT: 25.56 min Scan# 3906

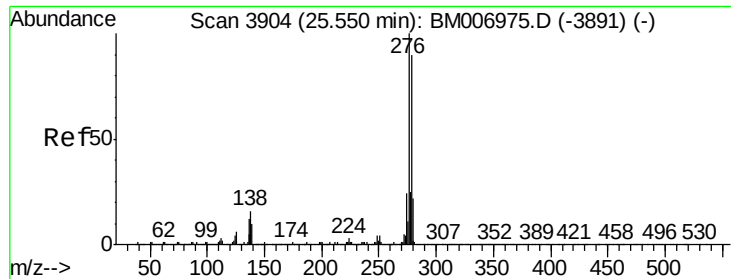
Delta R.T. 0.01 min

Lab File: BM006978.D

Acq: 08 Aug 2016 05:13

Tgt Ion:	276	Resp:	2347426
Ion Ratio	Lower	Upper	
276	100		
138	13.0	12.6	19.0
277	24.5	20.3	30.5





#40

Dibenzo(a,h)anthracene

Concen: 6.82 ng/ul

RT: 25.56 min Scan# 3905

Delta R.T. 0.01 min

Lab File: BM006978.D

Acq: 08 Aug 2016 05:13

Instrument :

BNA_M

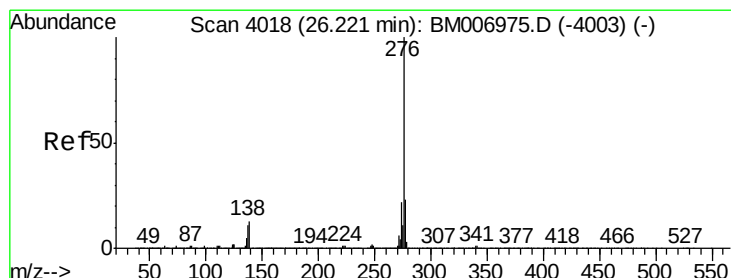
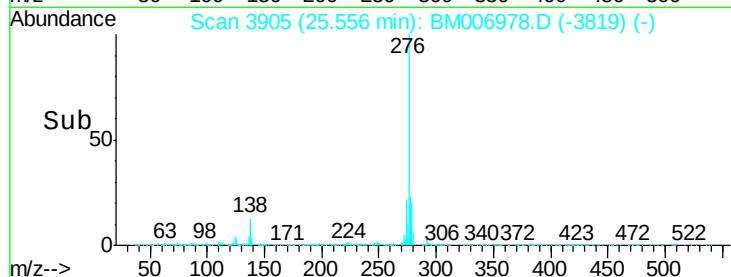
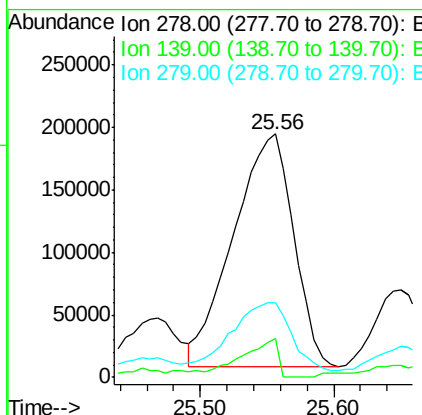
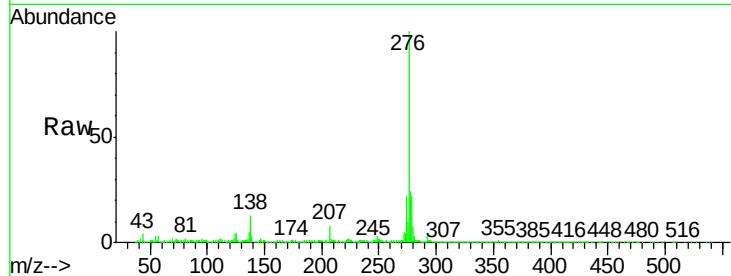
ClientSampled :

DA0J6

Tgt Ion:	278	Resp:	583333
Ion Ratio	Lower	Upper	
278	100		
139	15.7	7.5	11.3#
279	30.6	19.0	28.4#

Manual Integrations
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#41

Benzo(g,h,i)perylene

Concen: 28.15 ng/ul

RT: 26.23 min Scan# 4020

Delta R.T. 0.01 min

Lab File: BM006978.D

Acq: 08 Aug 2016 05:13

Tgt Ion:	276	Resp:	2252169
Ion Ratio	Lower	Upper	
276	100		
138	14.0	10.9	16.3
277	24.3	18.6	27.8

