

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014481.D
 Acq On : 05 Mar 2018 20:11
 Operator : SJ/JU
 Sample : J1678-10DL 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BE5W0DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:07 PM

Quant Time: Mar 06 01:05:37 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	85544	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	328161	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	193417	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	409566	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	355045	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	304944	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	390	0.20	ng/uL	0.00
5) Phenol-d5	6.76	99	9438m	1.31	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.87	67	6698m	1.53	ng/ul	0.01
9) 2-Chlorophenol-d4	7.07	132	9487m	1.71	ng/ul	0.01
13) 4-Methylphenol-d8	8.29	113	5910m	0.93	ng/ul	0.03
19) Nitrobenzene-d5	8.71	128	3382	1.39	ng/ul	0.03
22) 2-Nitrophenol-d4	9.41	143	3143	1.25	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.02	165	7535m	1.45	ng/ul	0.08
29) 4-Chloroaniline-d4	10.50	131	1576	0.31	ng/ul	0.05
43) Dimethylphthalate-d6	13.60	166	29136	1.82	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	35481	1.80	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	481	0.22	ng/ul	0.07
57) Fluorene-d10	15.19	176	24454	1.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	315	0.13	ng/ul	0.03
70) Anthracene-d10	17.04	188	40030	2.03	ng/ul	0.00
76) Pyrene-d10	19.35	212	40453	2.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	32046	2.16	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.33	128	43732	2.595	ng/ul#	97
49) Acenaphthene	14.24	153	41953	3.200	ng/ul	94
53) Dibenzofuran	14.59	168	37550m	1.910	ng/ul	
58) Fluorene	15.24	166	53739	3.167	ng/ul	95
69) Phenanthrene	16.98	178	881727	37.365	ng/ul	99
71) Anthracene	17.07	178	172168	7.255	ng/ul	97
72) Carbazole	17.37	167	70473	3.532	ng/ul	98
74) Fluoranthene	19.02	202	1041530	36.943	ng/ul#	94
77) Pyrene	19.38	202	964450	40.875	ng/ul#	96
80) Benzo(a)anthracene	21.14	228	439656	19.842	ng/ul	98
82) Chrysene	21.19	228	395803	19.148	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	421398	20.638	ng/ul#	96
86) Benzo(k)fluoranthene	22.73	252	152836m	7.873	ng/ul	
88) Benzo(a)pyrene	23.24	252	298297	16.349	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.51	276	189001	10.675	ng/ul	99
90) Dibenzo(a,h)anthracene	25.51	278	62203	4.228	ng/ul#	73
91) Benzo(g,h,i)perylene	26.18	276	150711	10.508	ng/ul	98

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

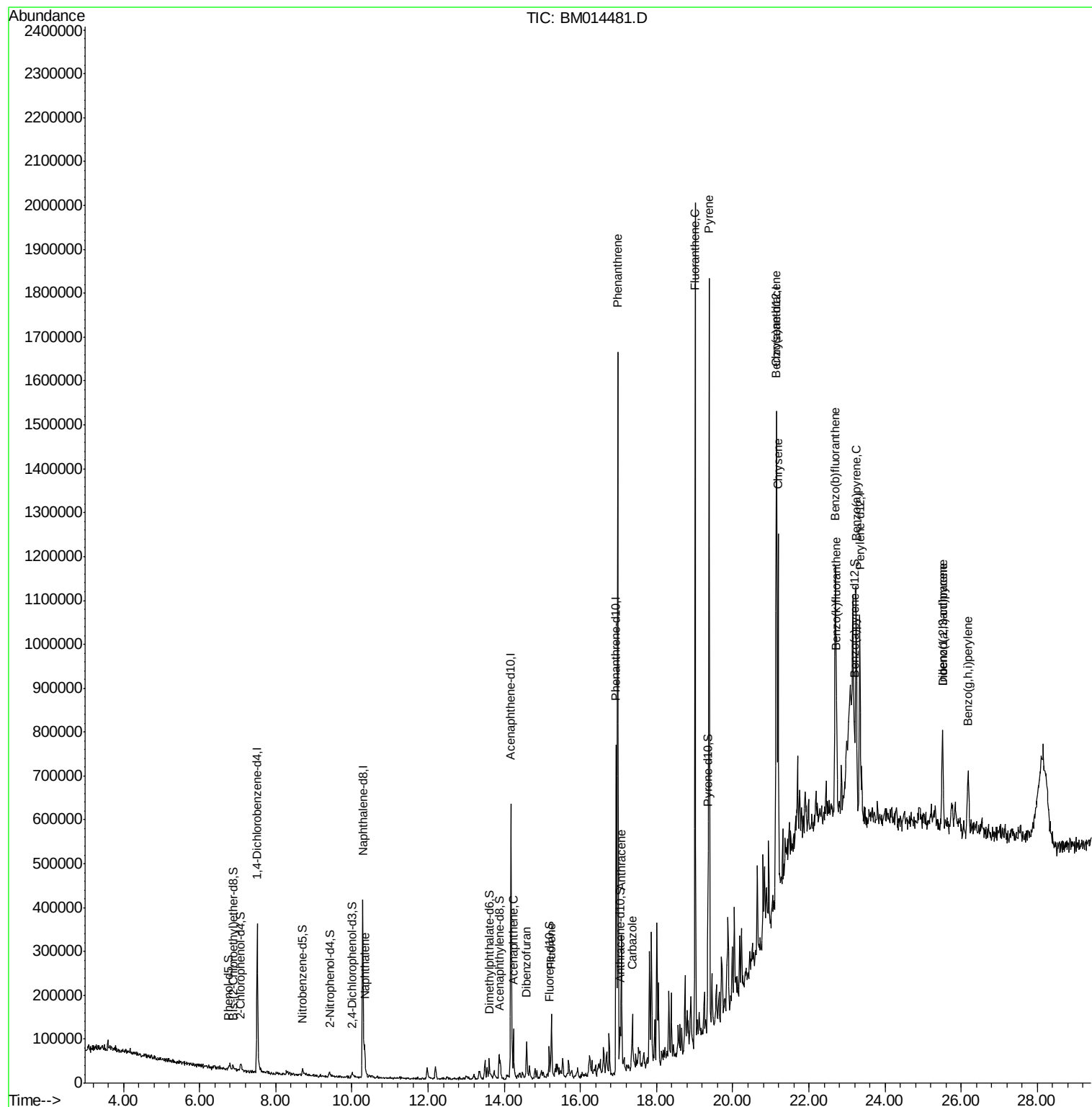
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014481.D
Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

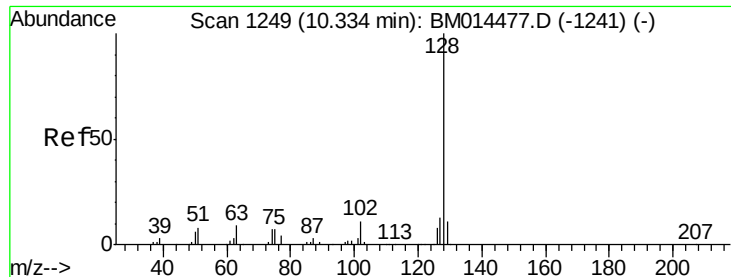
Instrument :
BNA_M
ClientSampleId :
BE5W0DL

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Quant Time: Mar 06 01:05:37 2018
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Quant Title : SVOA CALIBRATION
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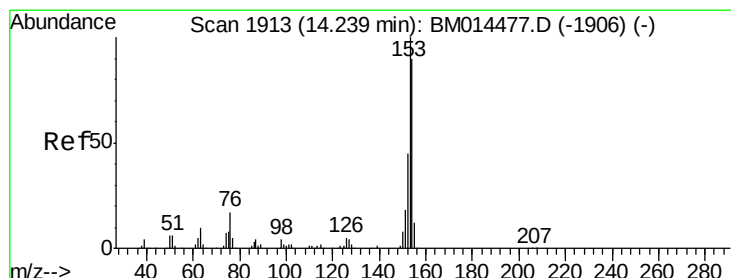
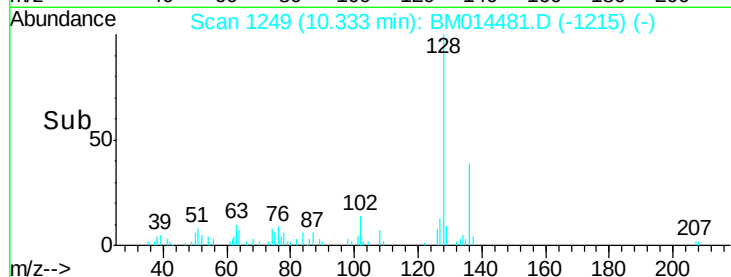
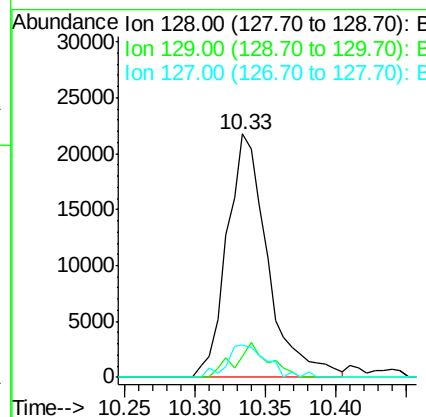
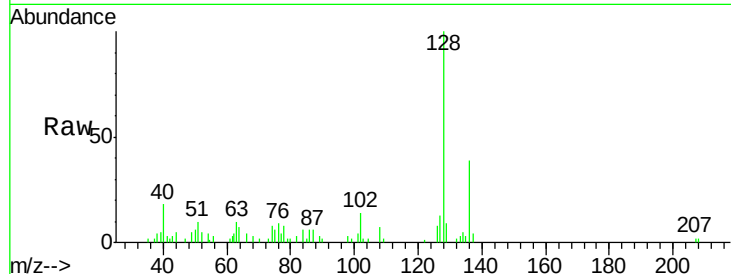
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Naphthalene
Concen: 2.595 ng/ul
RT: 10.33 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

Instrument :
BNA_M
ClientSampleId :
BE5W0DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	8.8	8.8	13.2#
127	13.1	10.6	16.0

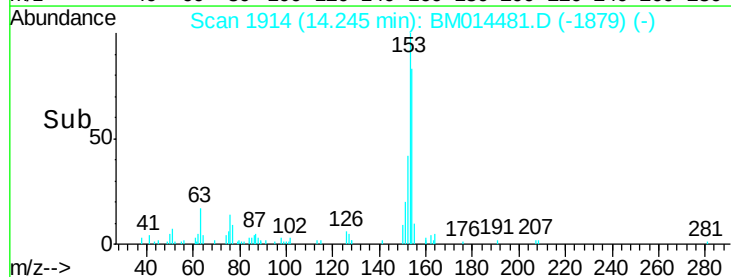
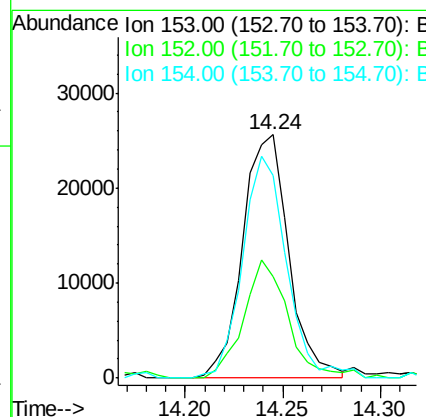
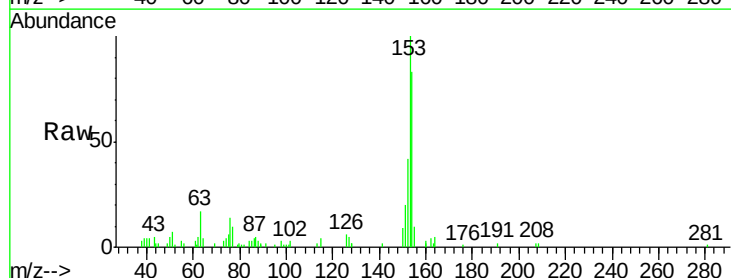
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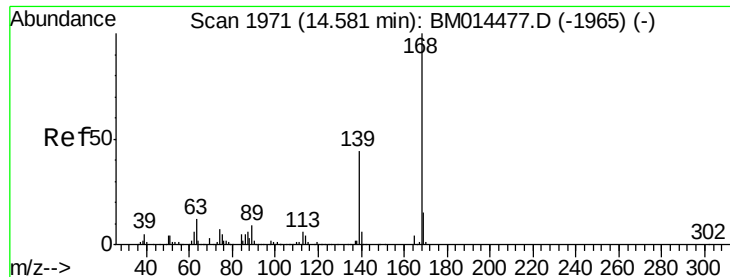
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#49
Acenaphthene
Concen: 3.200 ng/ul
RT: 14.24 min Scan# 1914
Delta R.T. 0.01 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

Tgt Ion	Ratio	Lower	Upper
153	100		
152	41.8	37.6	56.4
154	83.0	70.4	105.6





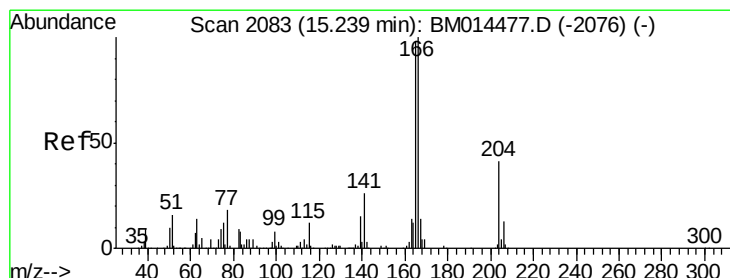
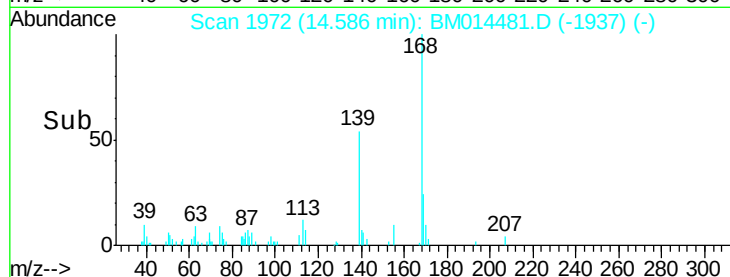
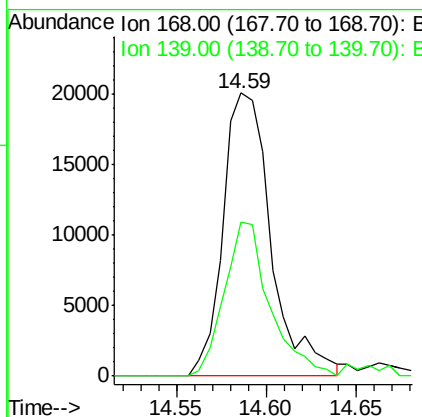
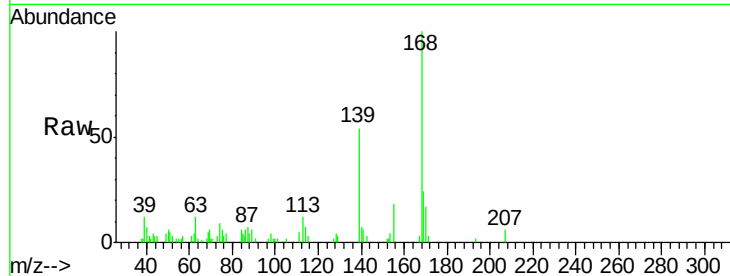
#53
Dibenzofuran
Concen: 1.910 ng/ul m
RT: 14.59 min Scan# 1972
Delta R.T. 0.01 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

Instrument :
BNA_M
ClientSampleId :
BE5W0DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	54.3	30.8	46.2#

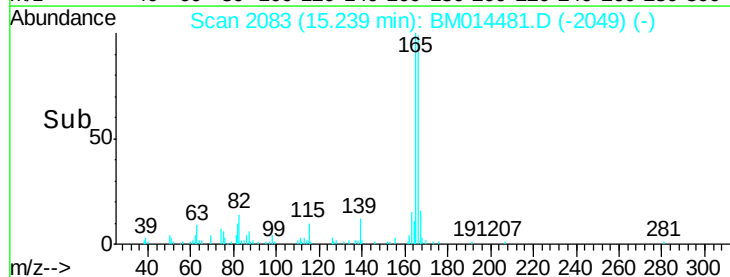
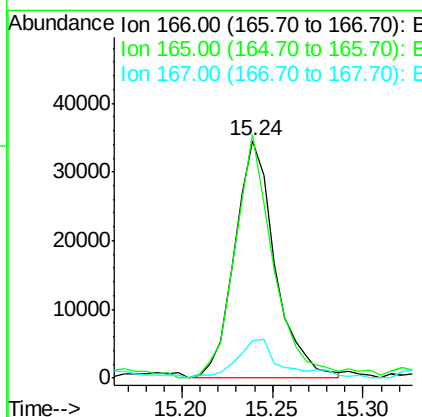
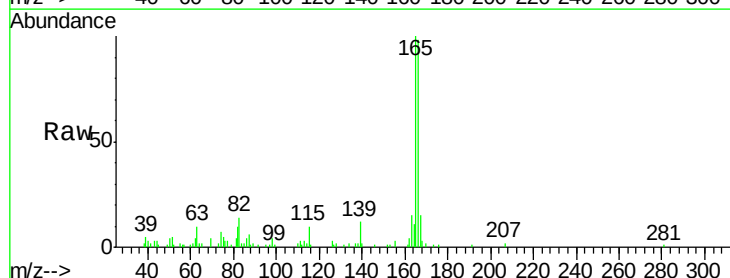
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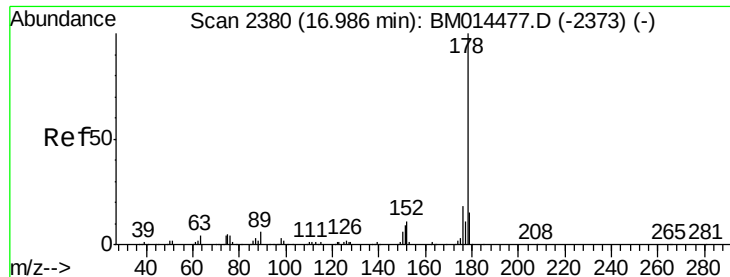
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#58
Fluorene
Concen: 3.167 ng/ul
RT: 15.24 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BM014481.D
Acq: 05 Mar 2018 20:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.4	77.9	116.9
167	15.8	10.6	16.0





#69

Phenanthrene

Concen: 37.365 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

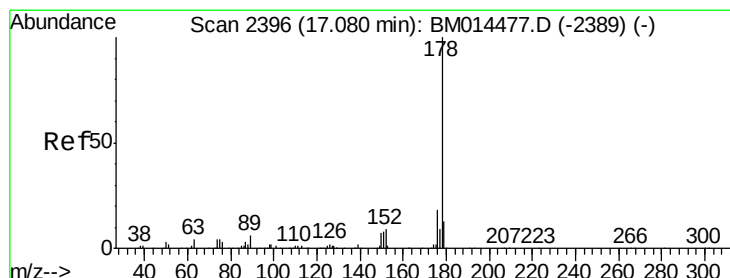
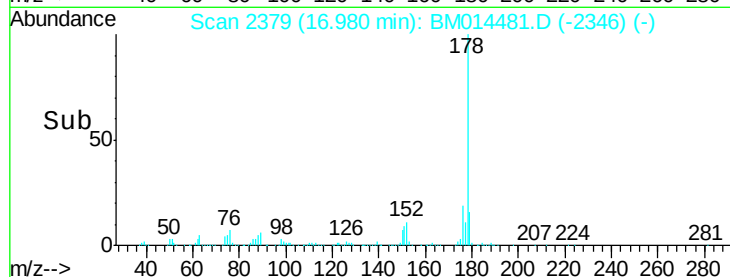
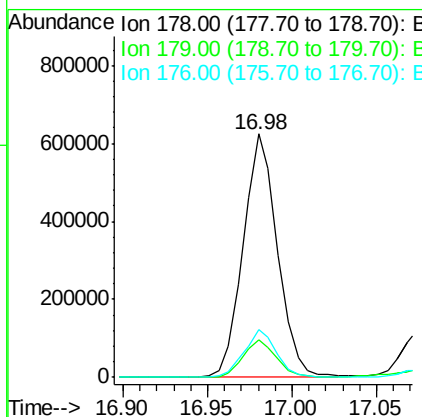
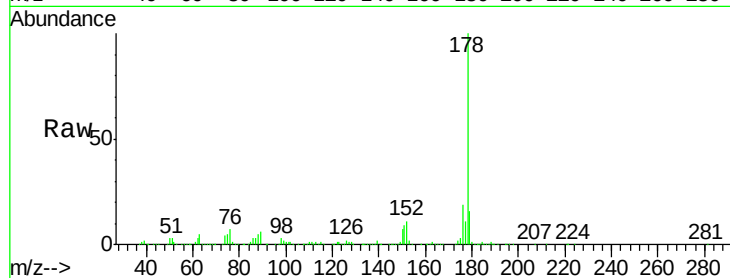
ClientSampleId :

BE5W0DL

Tot Ion:	178	Resp:	881727
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.6	19.0
176	19.5	14.9	22.3

Manual Integrations
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#71

Anthracene

Concen: 7.255 ng/ul

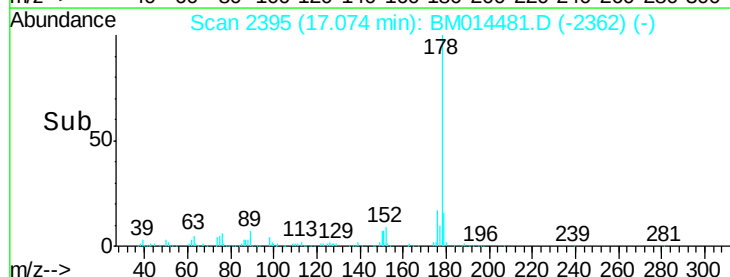
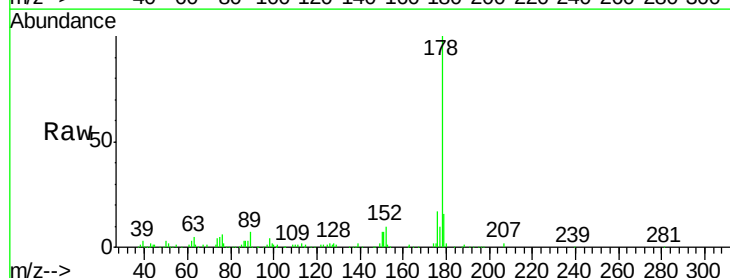
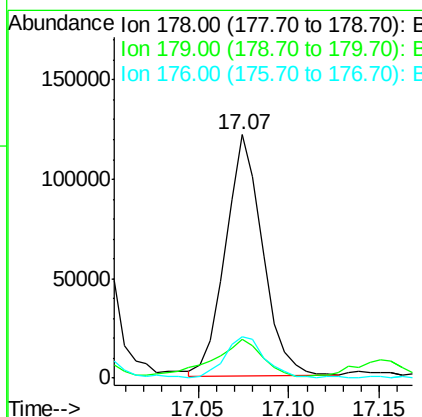
RT: 17.07 min Scan# 2395

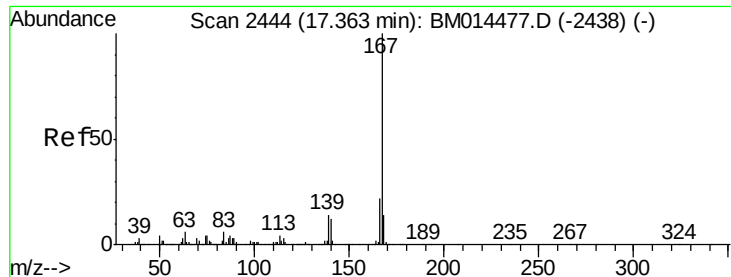
Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Tgt Ion:	178	Resp:	172168
Ion Ratio	Lower	Upper	
178	100		
179	15.8	11.7	17.5
176	17.2	14.6	21.8





#72

Carbazole

Concen: 3.532 ng/ul

RT: 17.37 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

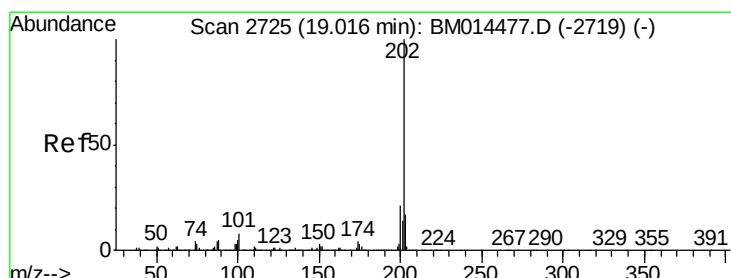
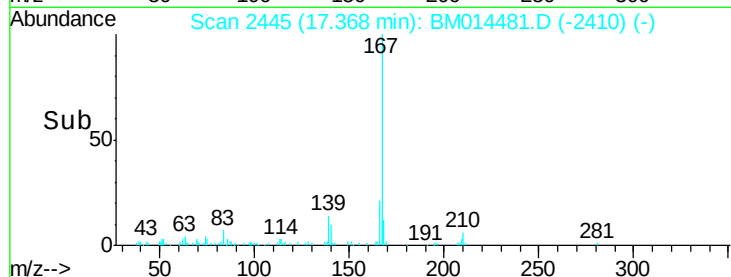
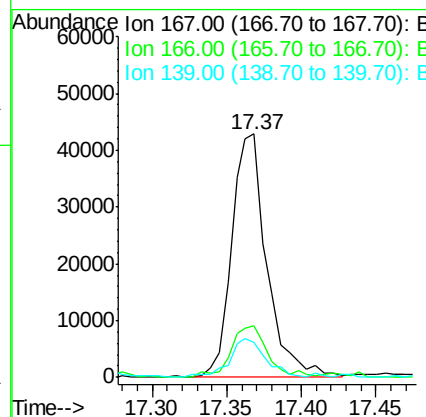
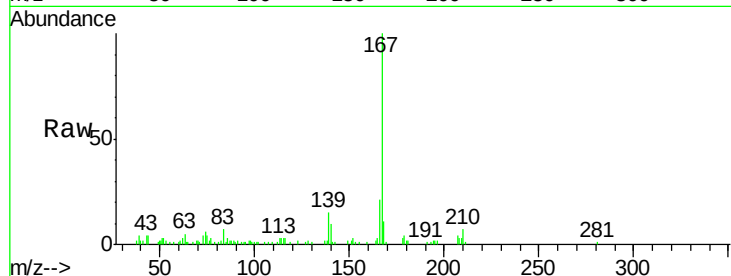
ClientSampleId :

BE5W0DL

Tot Ion:	167	Resp:	70473
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.1	25.7
139	14.6	10.0	15.0

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#74

Fluoranthene

Concen: 36.943 ng/ul

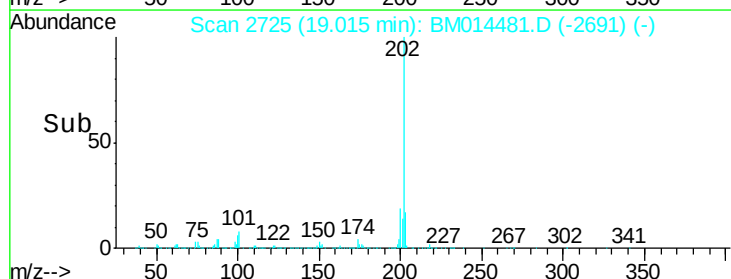
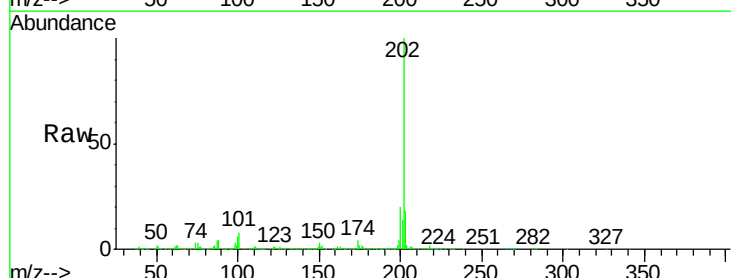
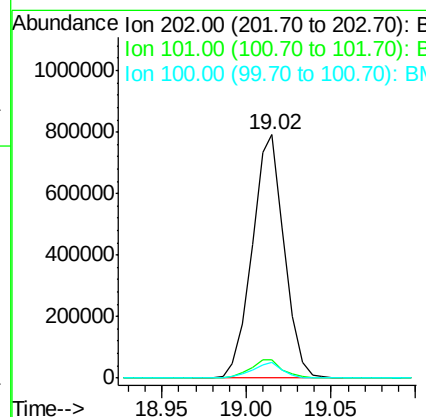
RT: 19.02 min Scan# 2725

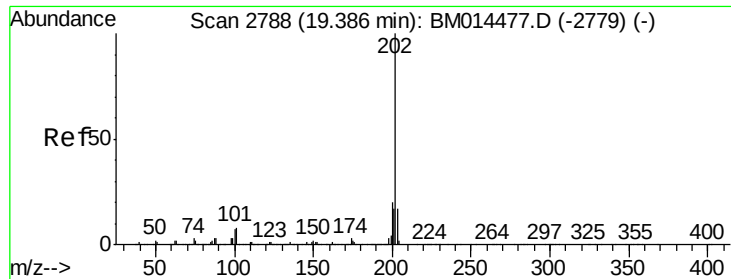
Delta R.T. -0.00 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Tgt Ion:	202	Resp:	1041530
Ion Ratio	Lower	Upper	
202	100		
101	7.8	4.6	7.0#
100	6.3	3.4	5.2#





#77

Pvrene

Concen: 40.875 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

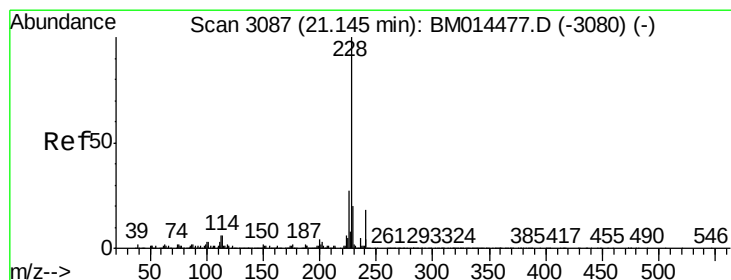
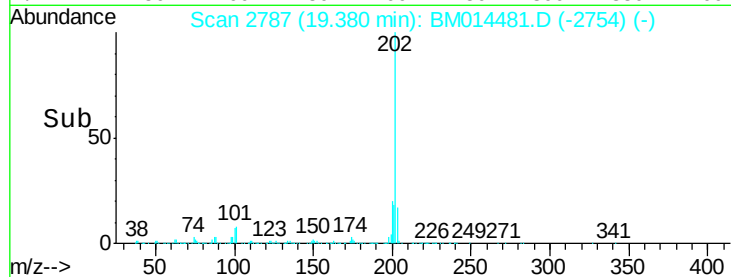
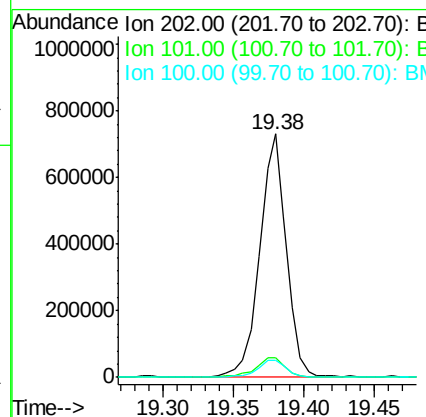
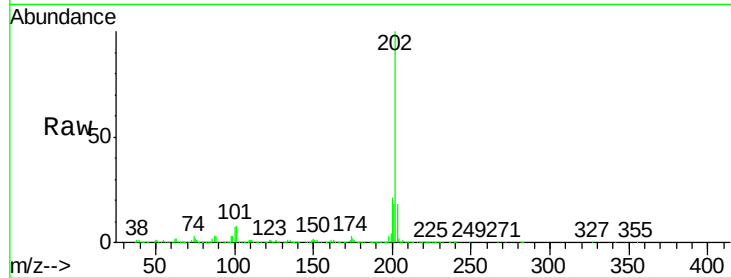
ClientSampleId :

BE5W0DL

Tot Ion:	202	Resp:	964450
Ion Ratio	Lower	Upper	
202	100		
101	8.2	5.1	7.7#
100	6.8	4.9	7.3

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#80

Benzo(a)anthracene

Concen: 19.842 ng/ul

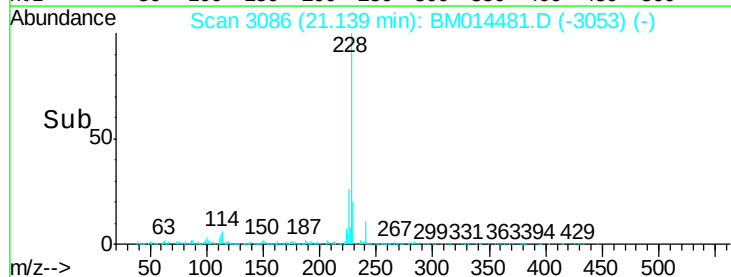
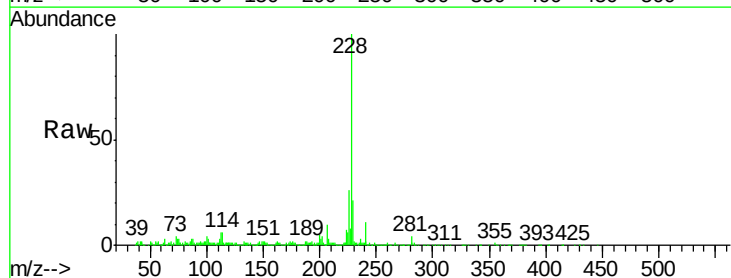
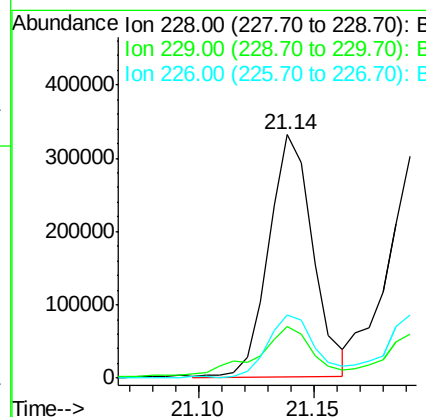
RT: 21.14 min Scan# 3086

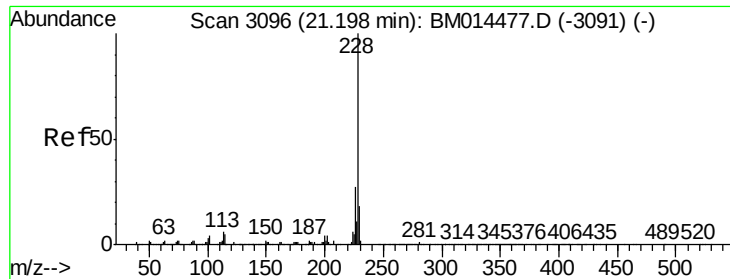
Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Tgt Ion:	228	Resp:	439656
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.4	23.0
226	26.1	21.4	32.0





#82

Chrysene

Concen: 19.148 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

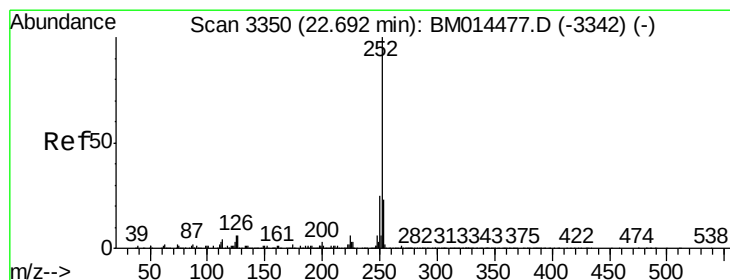
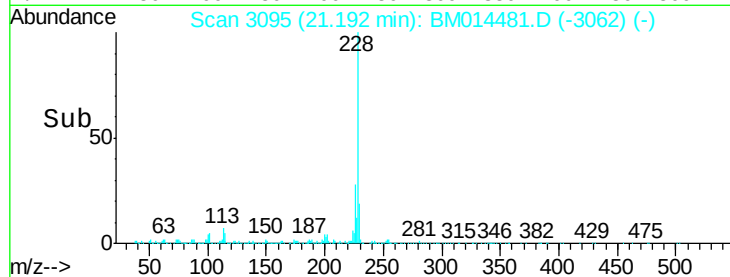
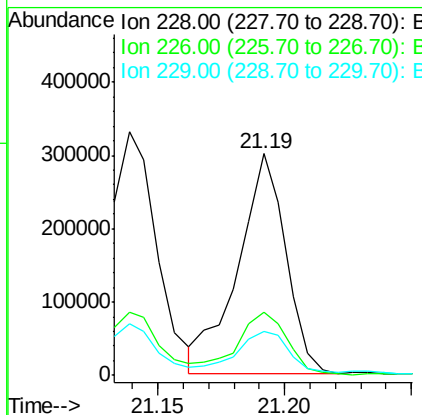
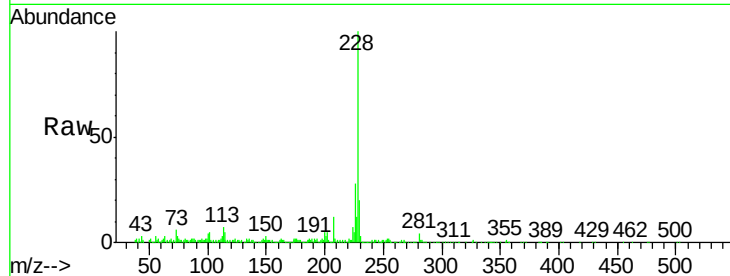
ClientSampleId :

BE5W0DL

Tot Ion:	228	Resp:	395803
Ion Ratio		Lower	Upper
228	100		
226	28.2	23.4	35.2
229	20.1	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 20.638 ng/ul

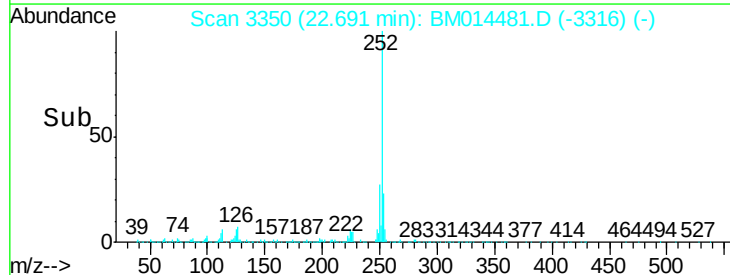
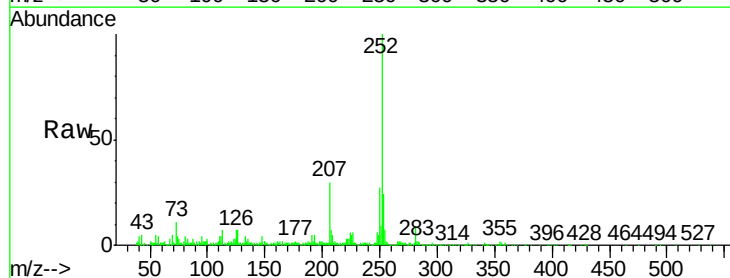
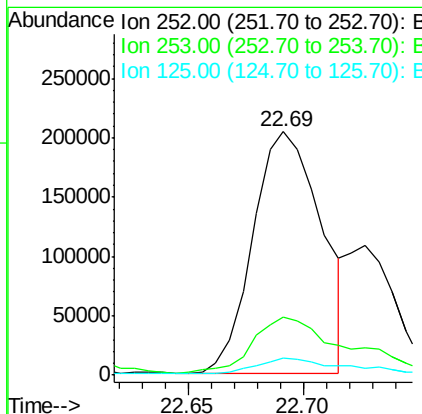
RT: 22.69 min Scan# 3350

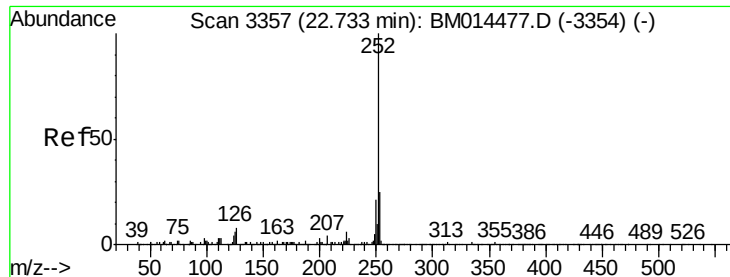
Delta R.T. -0.00 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Tgt Ion:	252	Resp:	421398
Ion Ratio		Lower	Upper
252	100		
253	23.9	17.9	26.9
125	6.8	3.6	5.4#





#86

Benzo(k)fluoranthene

Concen: 7.873 ng/ul m

RT: 22.73 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Instrument :

BNA_M

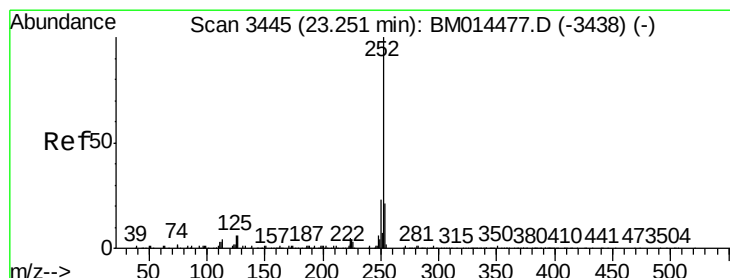
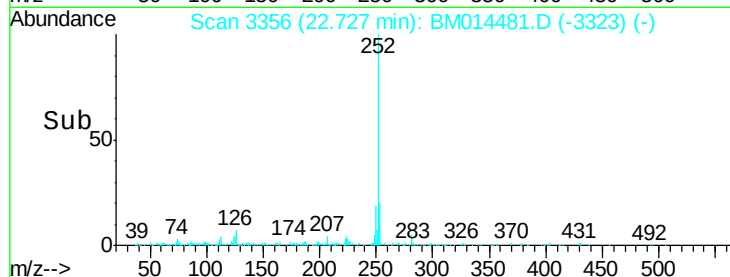
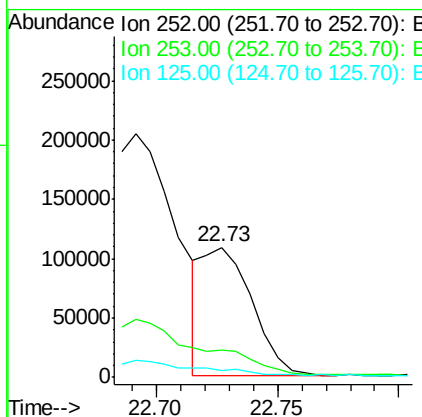
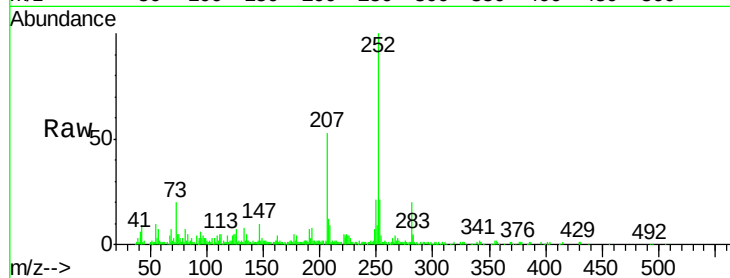
ClientSampleId :

BE5W0DL

Tot Ion:	252	Resp:	152836
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.1	25.7
125	5.5	3.4	5.2#

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#88

Benzo(a)pyrene

Concen: 16.349 ng/ul

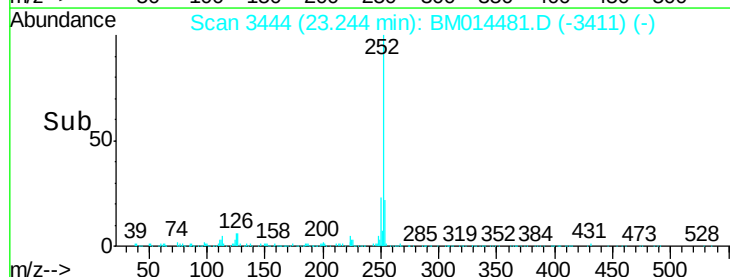
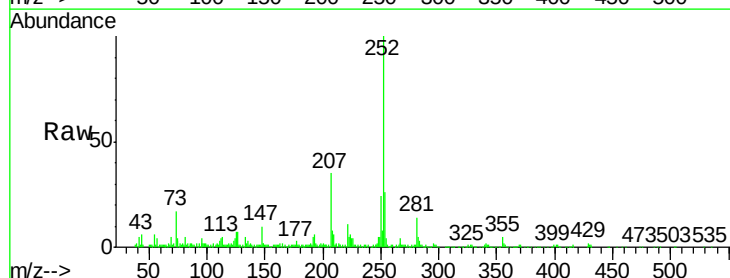
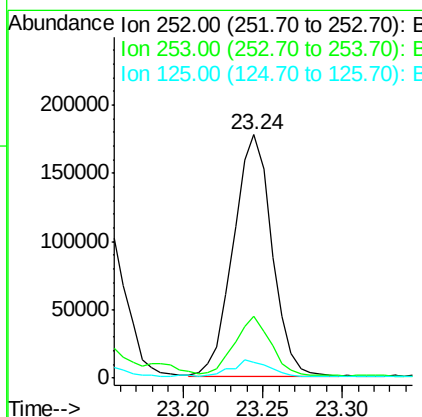
RT: 23.24 min Scan# 3444

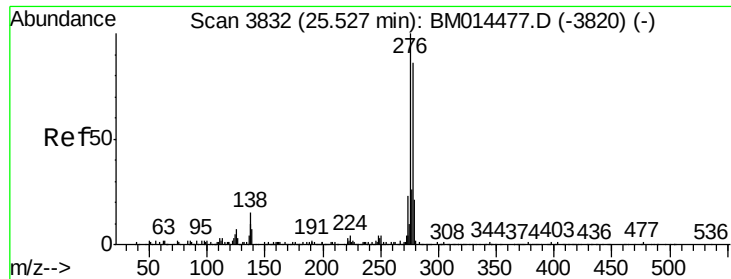
Delta R.T. -0.01 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Tgt Ion:	252	Resp:	298297
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.2	27.2
125	6.5	4.0	6.0#





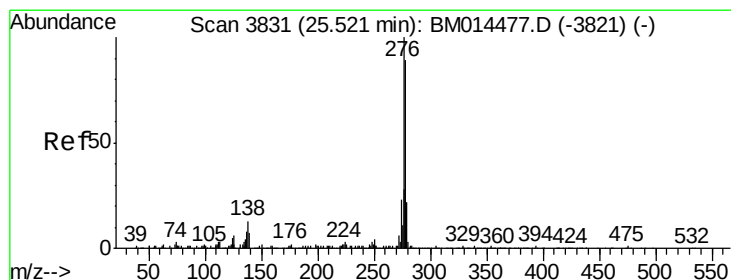
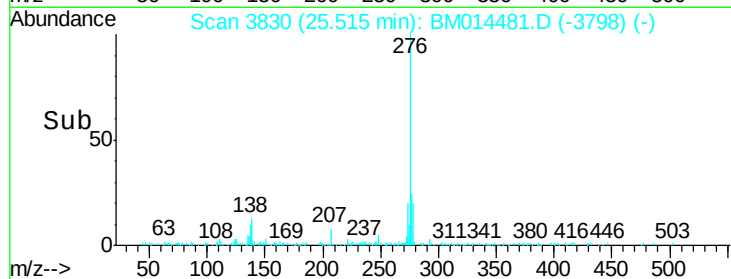
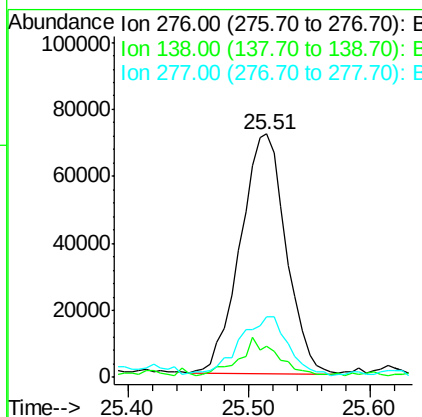
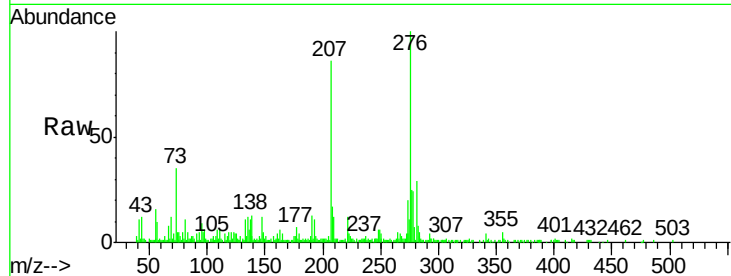
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 10.675 ng/ul
 RT: 25.51 min Scan# 3830
 Delta R.T. -0.01 min
 Lab File: BM014481.D
 Acq: 05 Mar 2018 20:11

Instrument :
 BNA_M
 ClientSampleID :
 BE5W0DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100		189001		
138	12.7	9.3	13.9		
277	25.0	19.9	29.9		

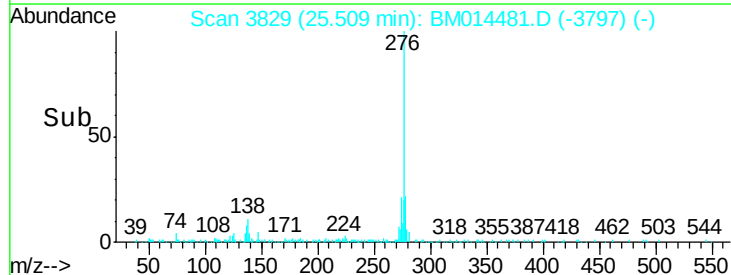
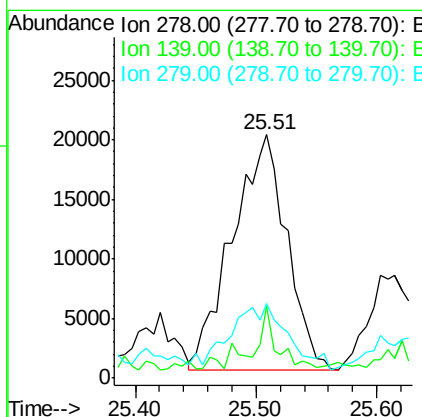
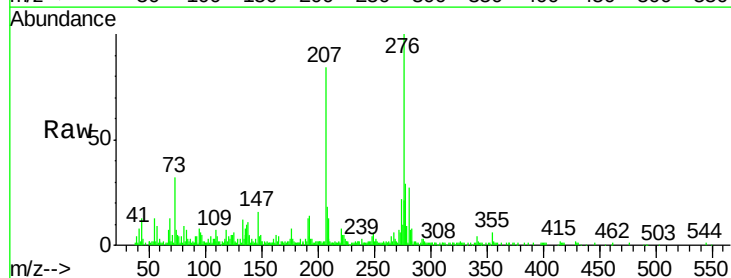
Manual Integrations
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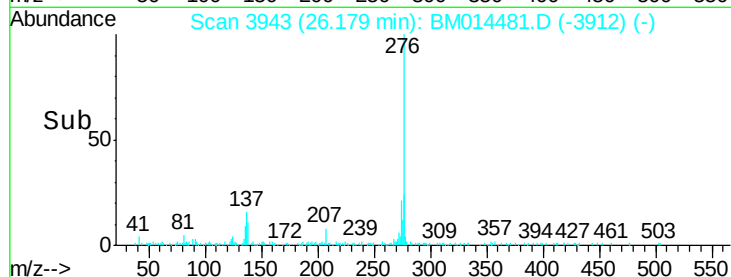
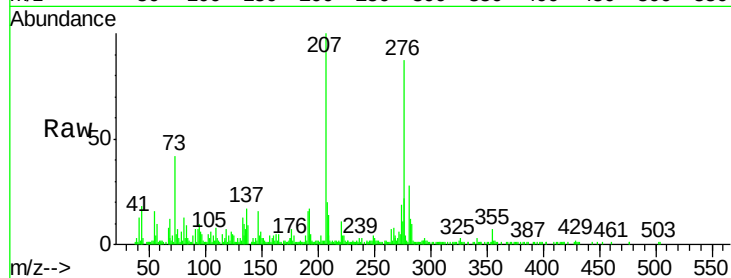
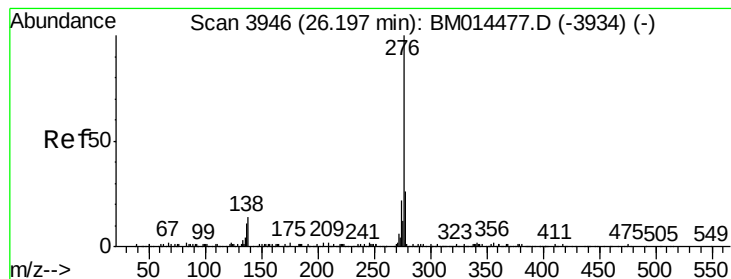
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#90
 Dibenzo(a,h)anthracene
 Concen: 4.228 ng/ul
 RT: 25.51 min Scan# 3829
 Delta R.T. -0.01 min
 Lab File: BM014481.D
 Acq: 05 Mar 2018 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
278	100		62203		
139	29.8	5.8	8.8#		
279	30.5	18.6	27.8#		





#91

Benzo(a,h,i)perylene

Concen: 10.508 ng/ul

RT: 26.18 min Scan# 3943

Delta R.T. -0.02 min

Lab File: BM014481.D

Acq: 05 Mar 2018 20:11

Tot Ion:	276	Resp:	150711
Ion Ratio	Lower	Upper	
276	100		
138	10.6	8.5	12.7
277	24.9	18.6	28.0

Instrument :

BNA_M

ClientSampleId :

BE5W0DL

Manual Integrations
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