

Data File : BM012308.D
Acq On : 19 Oct 2017 08:37
Operator : SJ/JU
Sample : I5783-01 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-28(1.5-2.75)-100917

Manual Integrations
APPROVED

Sohil
10/23/2017 3:50:14 PM

Quant Time: Oct 19 15:56:09 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 15:00:52 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	275085	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	1016074	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	529937	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1098766	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1329933	20.00	ng/ul	0.01
83) Perylene-d12	23.68	264	1488734	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	12500	2.16	ng/uL	0.00
5) Phenol-d5	6.97	99	173999	7.80	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.12	67	143003	10.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	172292	9.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	145436	7.57	ng/ul	0.01
19) Nitrobenzene-d5	8.96	128	79247	10.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	80522	8.89	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.23	165	147485	8.53	ng/ul	0.01
29) 4-Chloroaniline-d4	10.74	131	114443	7.07	ng/ul	0.01
43) Dimethylphthalate-d6	13.85	166	492755	10.52	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	583564	10.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.74	143	14304m	2.03	ng/ul	0.07
57) Fluorene-d10	15.43	176	388155	10.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	537	0.07	ng/ul	0.00
70) Anthracene-d10	17.29	188	572757	10.54	ng/ul	0.00
76) Pyrene-d10	19.59	212	645778	9.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.53	264	719964	10.03	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	6.99	94	50275	2.179	ng/ul#	87
28) Naphthalene	10.63	128	63614	1.210	ng/ul#	76
34) 2-Methylnaphthalene	12.25	142	85260	2.149	ng/ul	92
44) Dimethylphthalate	13.89	163	250675	5.342	ng/ul	99
47) Acenaphthylene	14.16	152	204307	3.670	ng/ul#	94
49) Acenaphthene	14.50	153	142251	3.793	ng/ul	98
53) Dibenzofuran	14.84	168	120563	2.233	ng/ul	90
58) Fluorene	15.49	166	253991	5.664	ng/ul	99
69) Phenanthrene	17.23	178	3746542	59.939	ng/ul	99
71) Anthracene	17.32	178	807469	12.478	ng/ul	99
72) Carbazole	17.60	167	119413	2.180	ng/ul	93
74) Fluoranthene	19.25	202	5311052	70.408	ng/ul#	94
77) Pyrene	19.62	202	5216744	59.396	ng/ul#	93
80) Benzo(a)anthracene	21.36	228	2957038	34.170	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.26	149	186414	3.177	ng/ul	99
82) Chrysene	21.41	228	2895091	35.633	ng/ul	97
85) Benzo(b)fluoranthene	22.99	252	3362372	34.609	ng/ul#	96
86) Benzo(k)fluoranthene	23.02	252	949712m	10.144	ng/ul	
88) Benzo(a)pyrene	23.58	252	2269437	24.784	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.03	276	1492063	15.344	ng/ul	99
90) Dibenzo(a,h)anthracene	26.03	278	446493	5.462	ng/ul#	87
91) Benzo(g,h,i)perylene	26.76	276	1232862	15.480	ng/ul#	93

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101817\
Quantitation Report (LSC Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

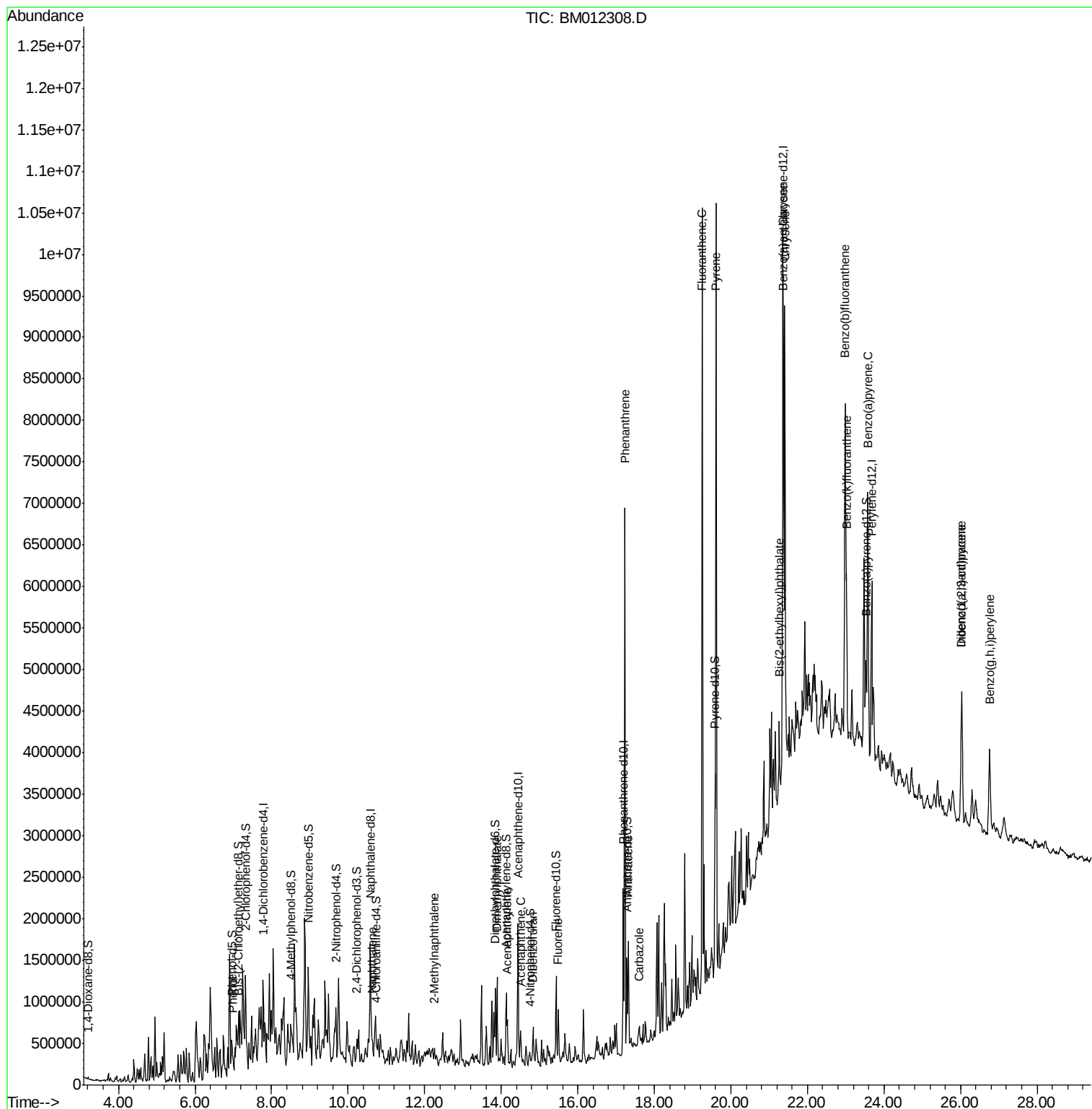
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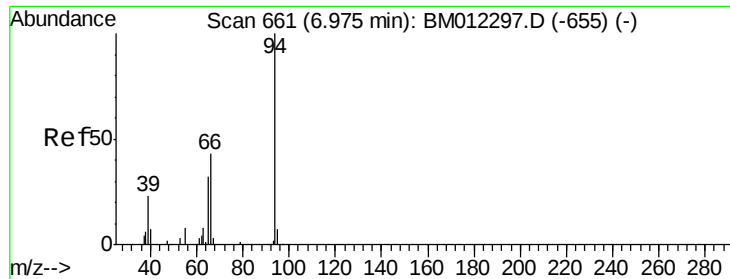
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#6

Phenol

Concen: 2.179 ng/ul

RT: 6.99 min Scan# 664

Delta R.T. 0.01 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Instrument :

BNA_M

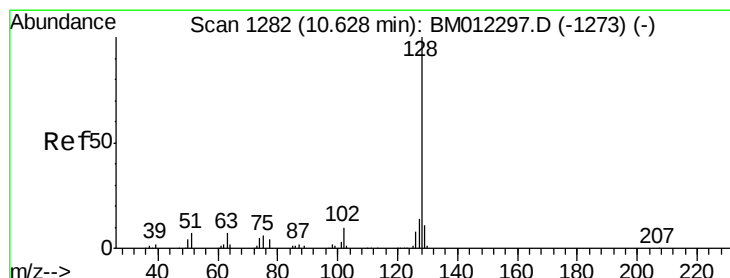
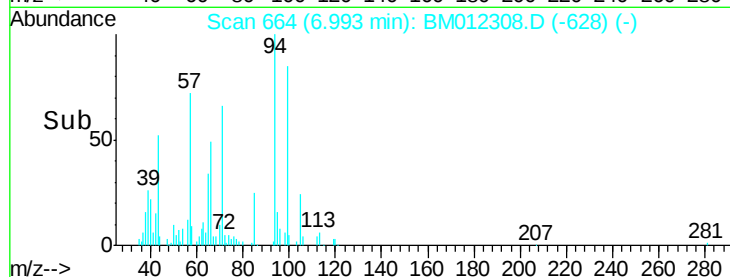
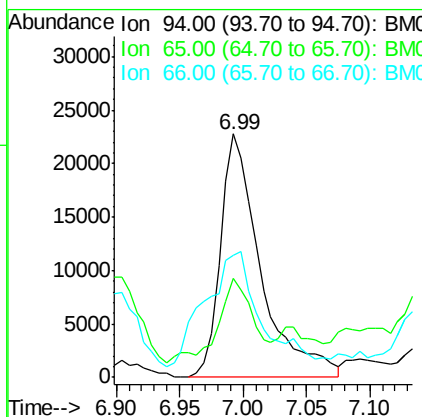
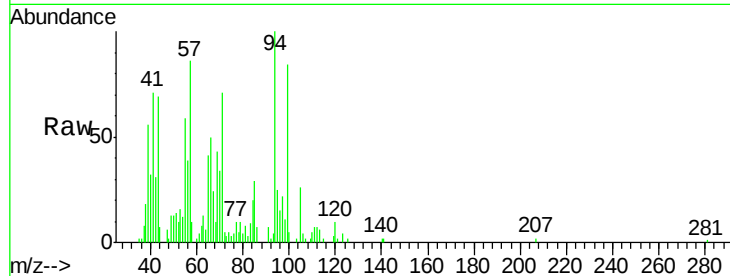
ClientSampleId :

B-28(1.5-2.75)-100917

Tgt Ion:	94	Resp:	50275
Ion Ratio	Lower	Upper	
94	100		
65	40.7	24.4	36.6#
66	50.1	35.0	52.4

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#28

Naphthalene

Concen: 1.210 ng/ul

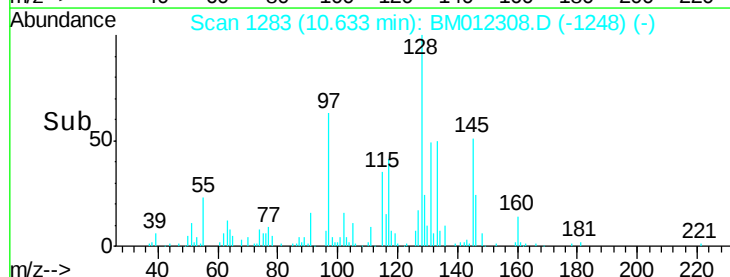
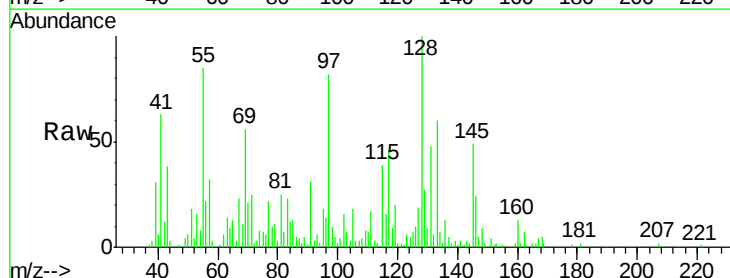
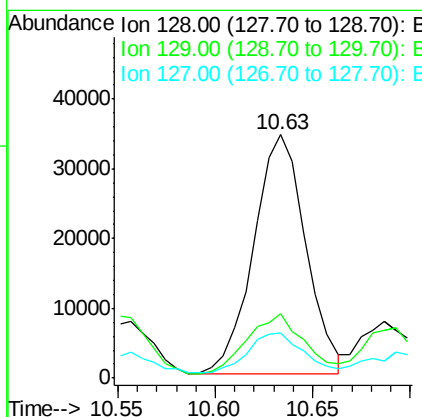
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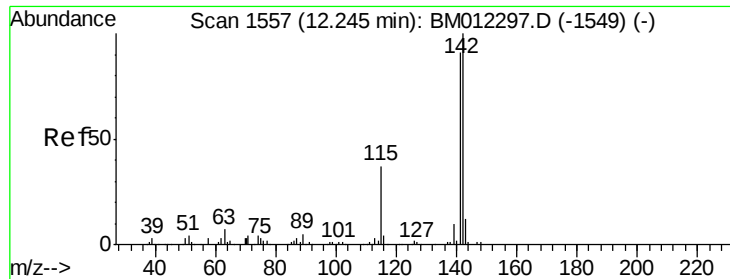
Delta R.T. 0.01 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Tgt Ion:	128	Resp:	63614
Ion Ratio	Lower	Upper	
128	100		
129	26.6	9.2	13.8#
127	18.6	11.4	17.0#





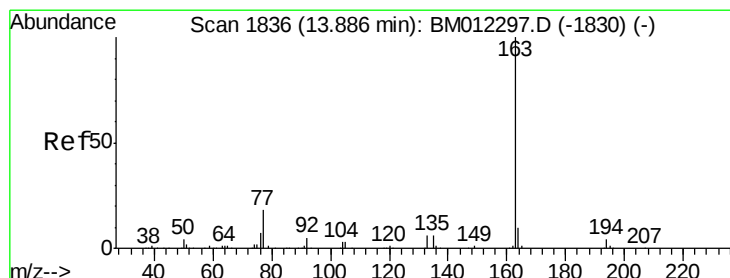
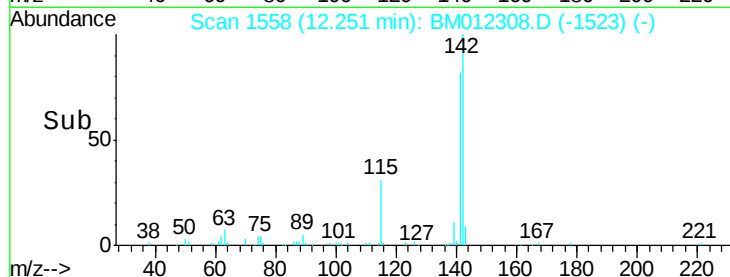
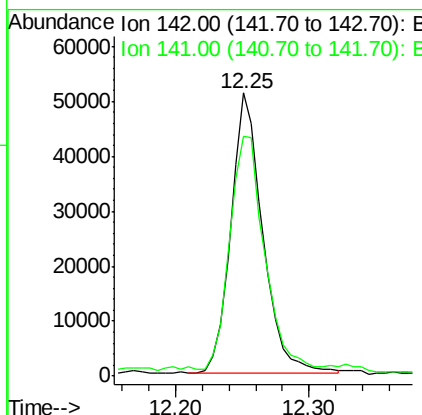
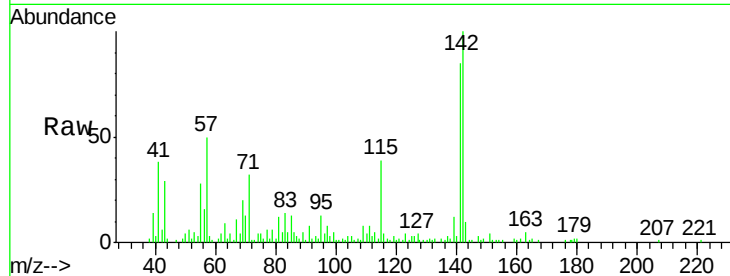
#34
2-Methylnaphthalene
Concen: 2.149 ng/ul
RT: 12.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BM012308.D
Acq: 19 Oct 2017 08:37

Instrument :
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ClientSampleId :
B-28(1.5-2.75)-100917

Tgt Ion:142 Resp: 85260
Ion Ratio Lower Upper
142 100
141 84.7 73.6 110.4

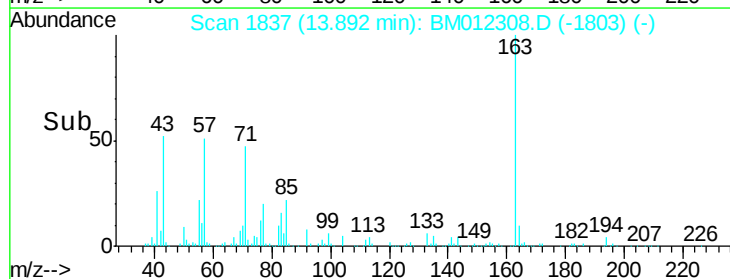
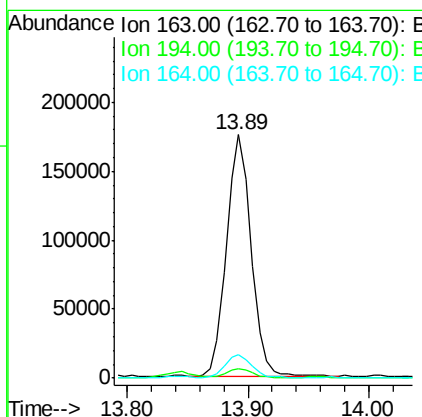
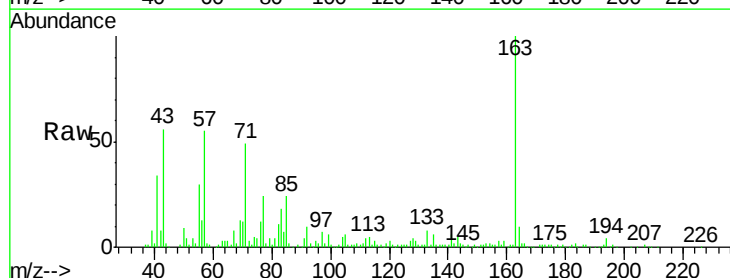
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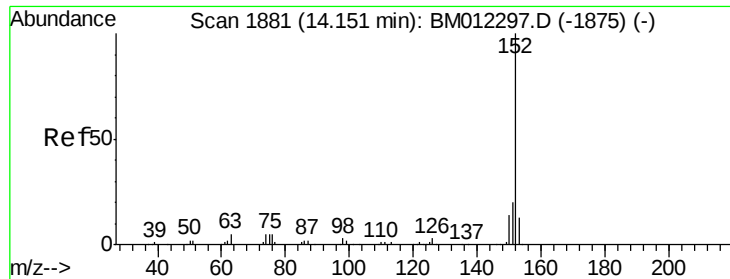
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#44
Dimethylphthalate
Concen: 5.342 ng/ul
RT: 13.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BM012308.D
Acq: 19 Oct 2017 08:37

Tgt Ion:163 Resp: 250675
Ion Ratio Lower Upper
163 100
194 4.1 3.7 5.5
164 9.9 8.1 12.1





#47

Acenaphthylene

Concen: 3.670 ng/ul

RT: 14.16 min Scan# 1883

Delta R.T. 0.01 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Instrument :

BNA_M

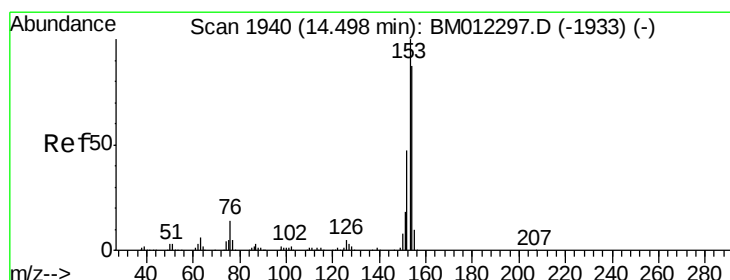
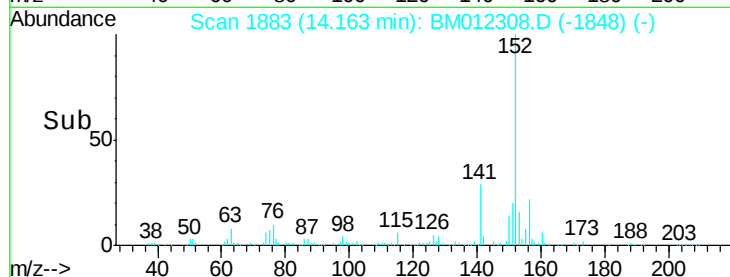
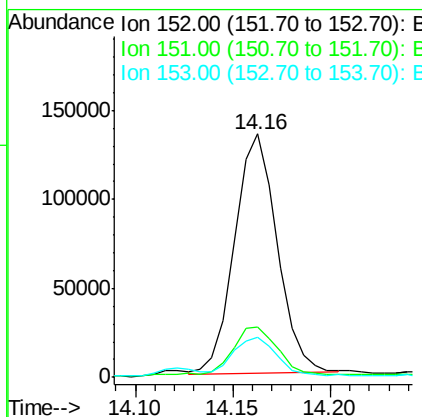
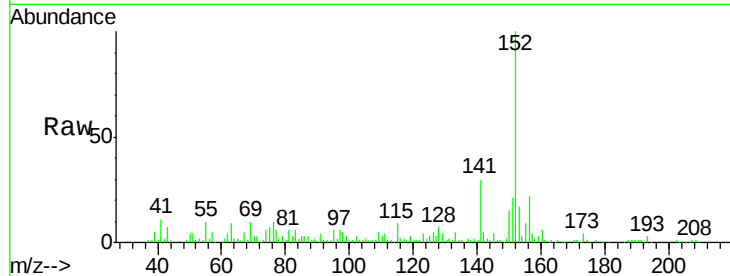
ClientSampleId :

B-28(1.5-2.75)-100917

Tgt Ion:	152	Resp:	204307
Ion Ratio		Lower	Upper
152	100		
151	20.6	15.3	22.9
153	16.7	10.4	15.6#

Manual Integrations
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#49

Acenaphthene

Concen: 3.793 ng/ul

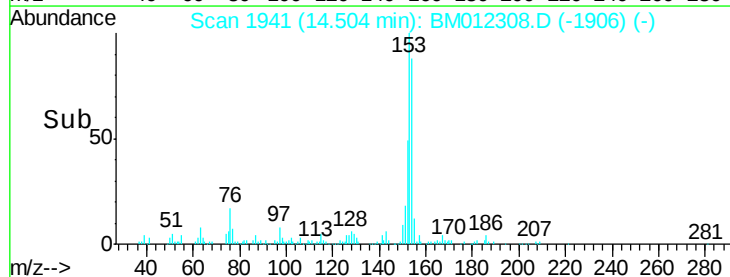
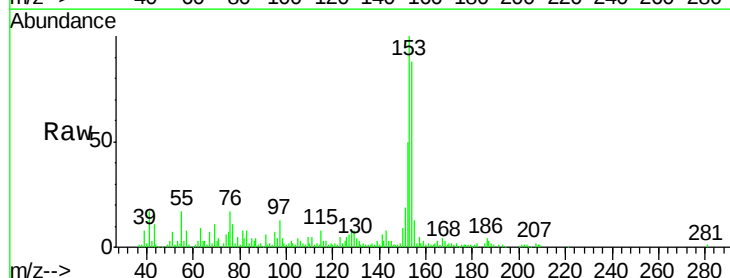
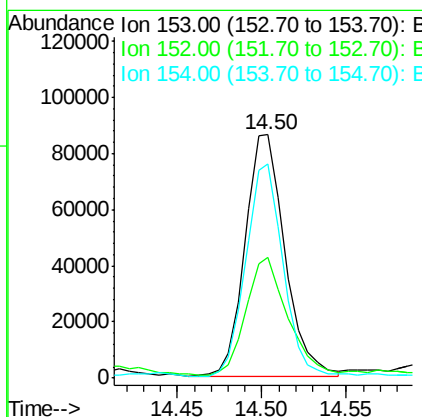
RT: 14.50 min Scan# 1941

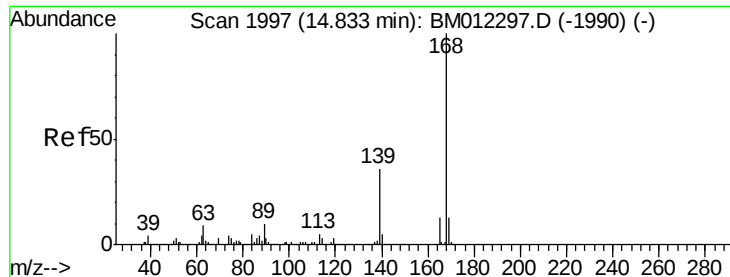
Delta R.T. 0.01 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Tgt Ion:	153	Resp:	142251
Ion Ratio		Lower	Upper
153	100		
152	49.8	37.4	56.0
154	87.9	71.1	106.7





#53

Dibenzenofuran

Concen: 2.233 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Instrument :

BNA_M

ClientSampleId :

B-28(1.5-2.75)-100917

Tgt Ion:168 Resp: 120563

Ion Ratio Lower Upper

168 100

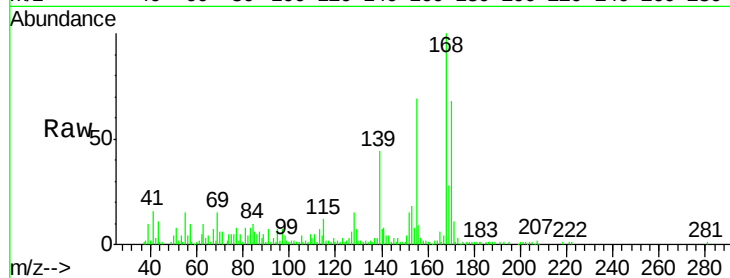
139 43.7 30.2 45.2

Manual Integrations

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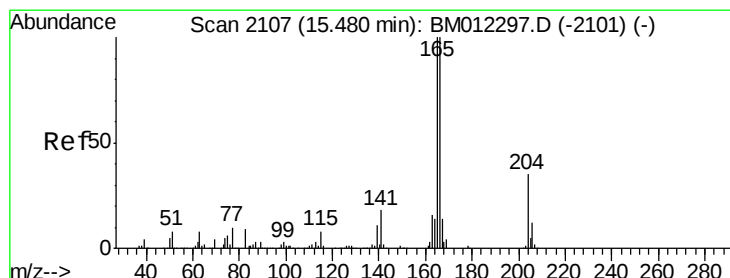
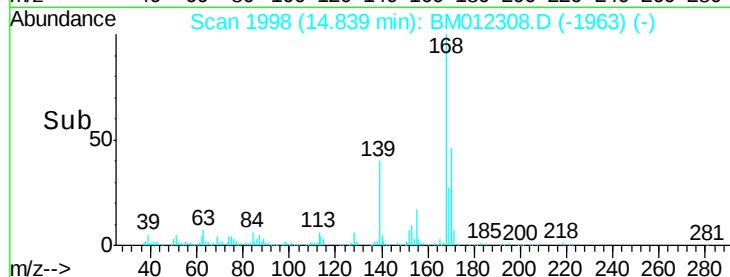
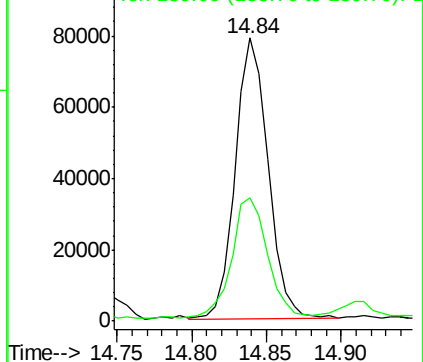
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 5.664 ng/ul

RT: 15.49 min Scan# 2109

Delta R.T. 0.01 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

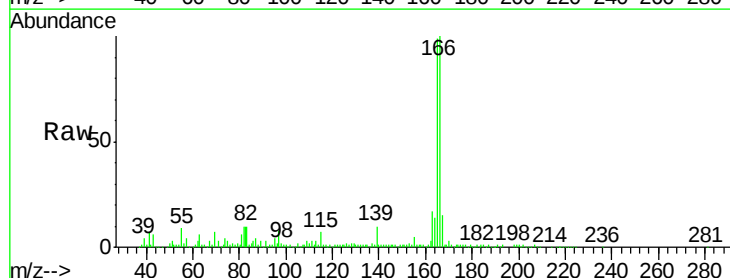
Tgt Ion:166 Resp: 253991

Ion Ratio Lower Upper

166 100

165 99.3 79.0 118.6

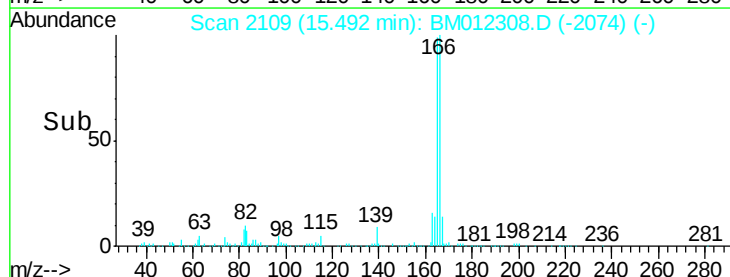
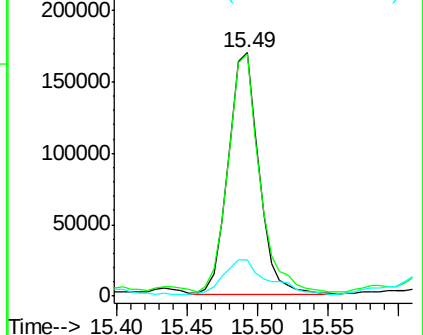
167 14.7 10.8 16.2

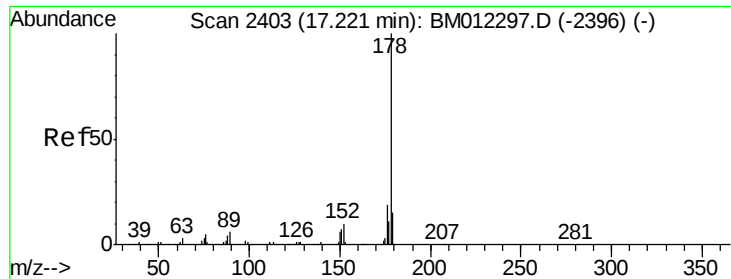


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





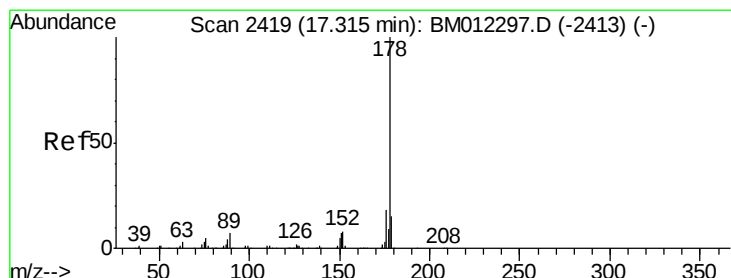
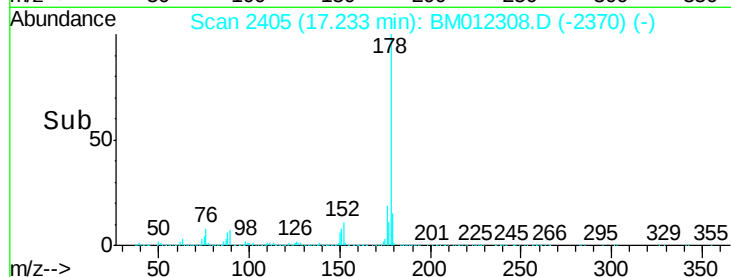
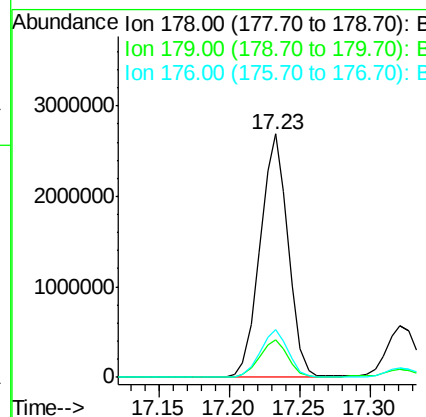
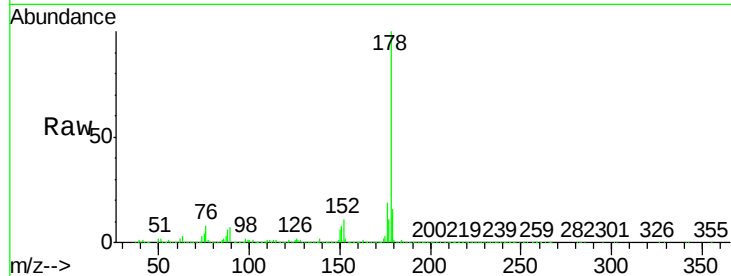
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Phenanthrene
Concen: 59.939 ng/ul
RT: 17.23 min Scan# 2405
Delta R.T. 0.01 min
Lab File: BM012308.D
Acq: 19 Oct 2017 08:37

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Tgt Ion:178 Resp: 3746542
Ion Ratio Lower Upper
178 100
179 15.6 12.0 18.0
176 19.4 15.0 22.6

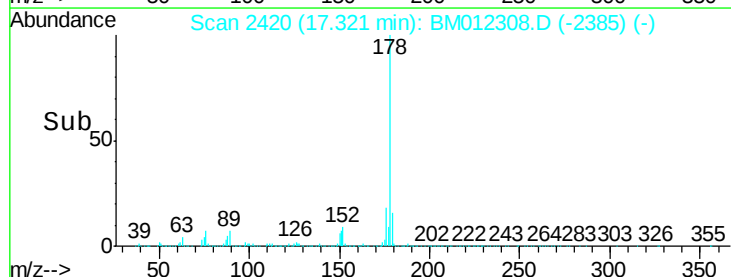
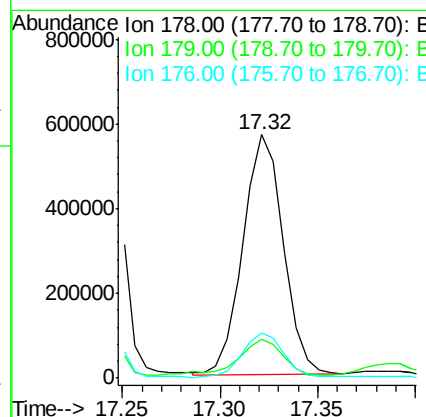
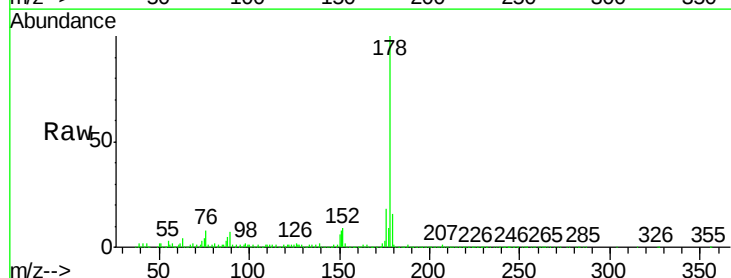
Manual Integrations
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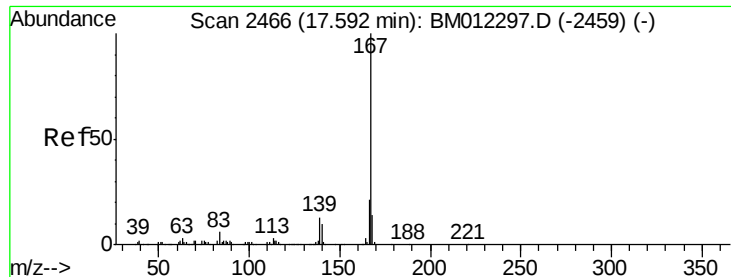
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#71
Anthracene
Concen: 12.478 ng/ul
RT: 17.32 min Scan# 2420
Delta R.T. 0.01 min
Lab File: BM012308.D
Acq: 19 Oct 2017 08:37

Tgt Ion:178 Resp: 807469
Ion Ratio Lower Upper
178 100
179 16.1 12.2 18.4
176 18.4 14.7 22.1





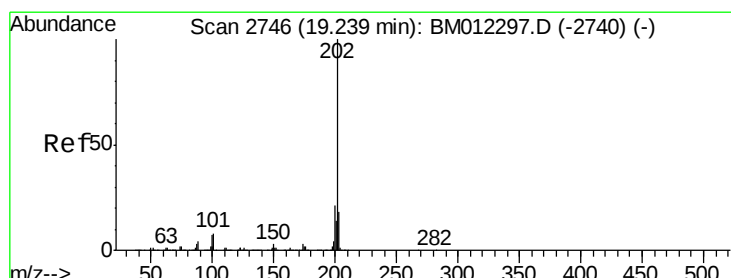
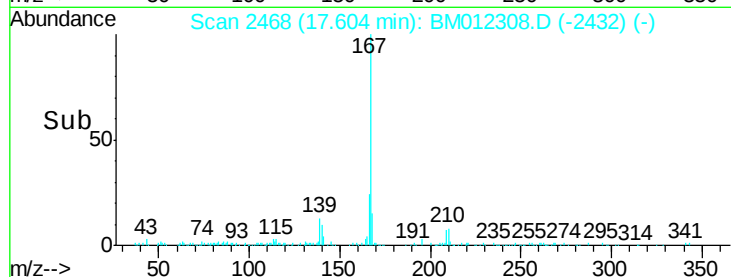
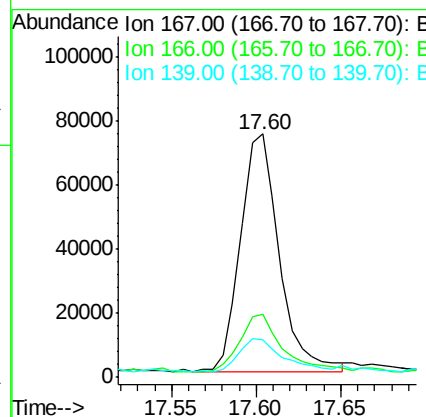
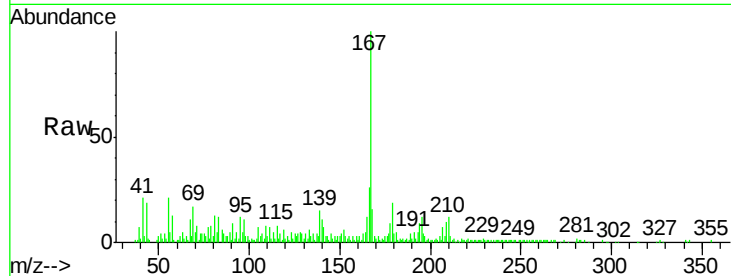
#72
 Carbazole
 Concen: 2.180 ng/ul
 RT: 17.60 min Scan# 2468
 Delta R.T. 0.01 min
 Lab File: BM012308.D
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Instrument :
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Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.0	17.8	26.6
139	15.4	10.6	15.8

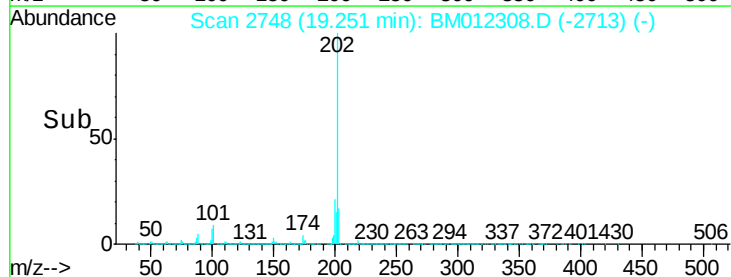
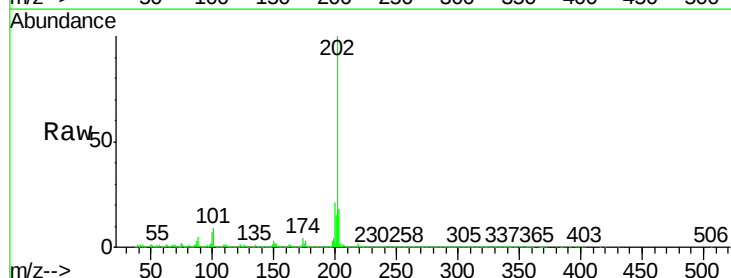
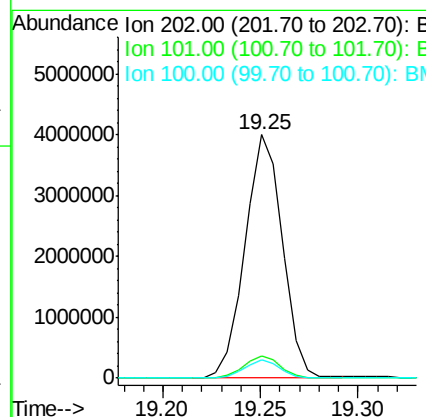
Manual Integrations
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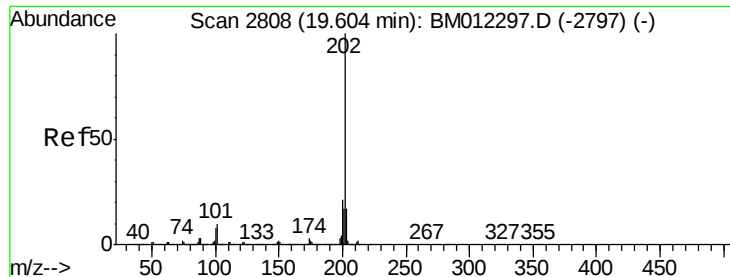
Sohil
 10/23/2017 3:50:14 PM



#74
 Fluoranthene
 Concen: 70.408 ng/ul
 RT: 19.25 min Scan# 2748
 Delta R.T. 0.01 min
 Lab File: BM012308.D
 Acq: 19 Oct 2017 08:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	5.8	8.6#
100	7.5	4.3	6.5#





#77

Pyrene

Concen: 59.396 ng/ul

RT: 19.62 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Instrument :

BNA_M

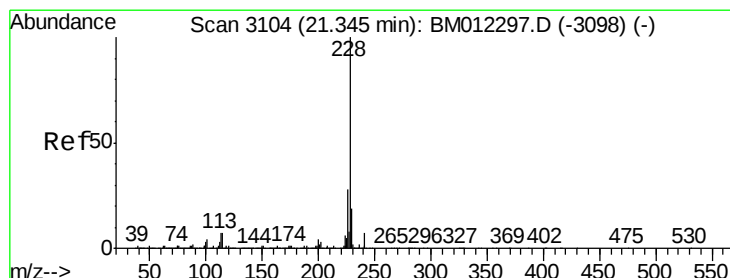
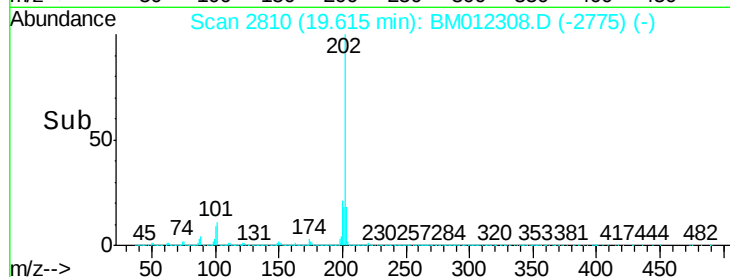
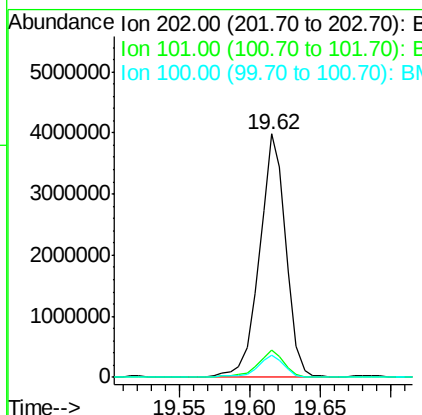
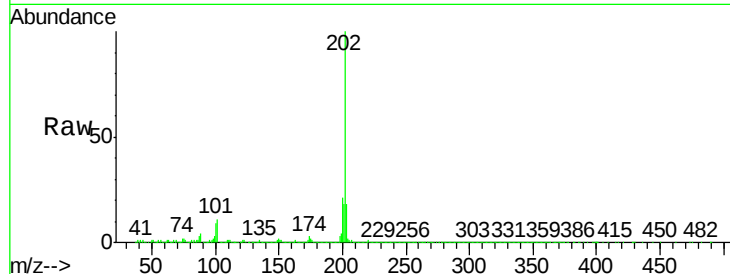
ClientSampleId :

B-28(1.5-2.75)-100917

Tgt Ion:	202	Resp:	5216744
Ion	Ratio	Lower	Upper
202	100		
101	11.0	6.5	9.7#
100	9.1	5.6	8.4#

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#80

Benzo(a)anthracene

Concen: 34.170 ng/ul

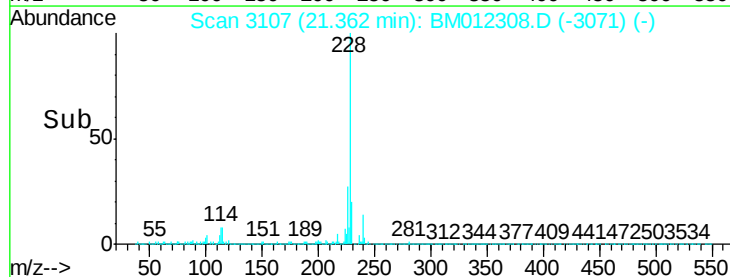
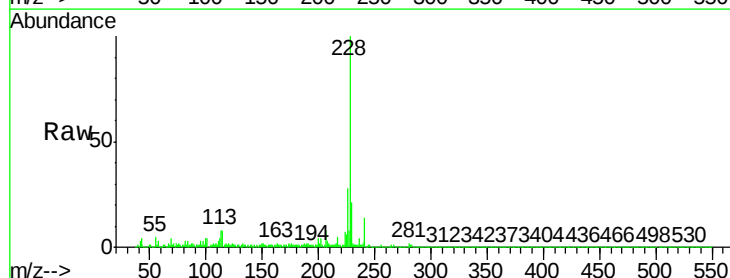
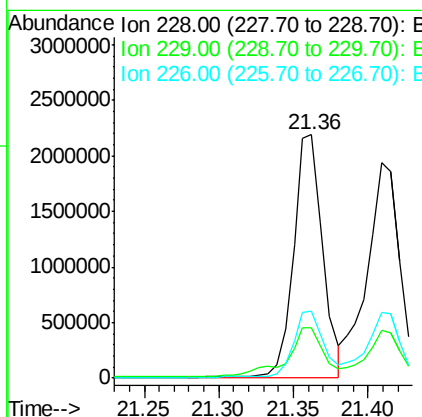
RT: 21.36 min Scan# 3107

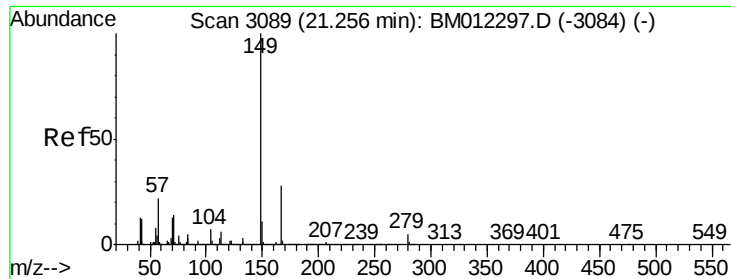
Delta R.T. 0.01 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Tgt Ion:	228	Resp:	2957038
Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.8
226	27.7	21.4	32.2





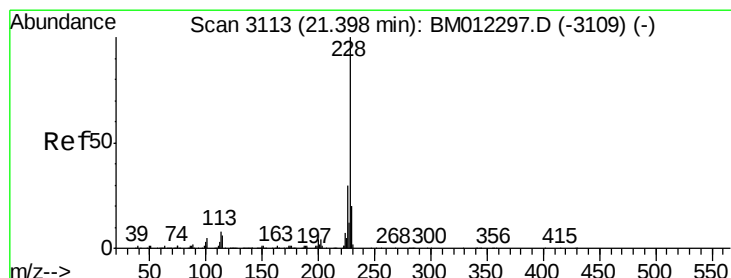
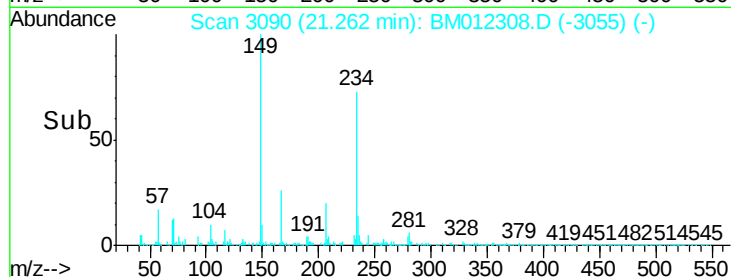
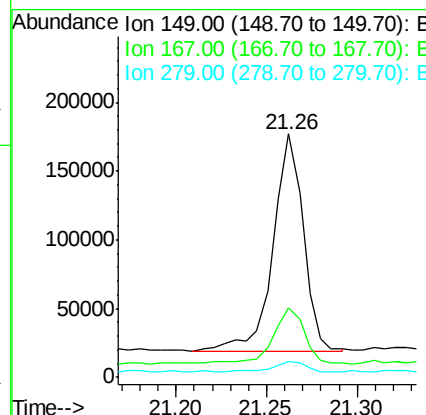
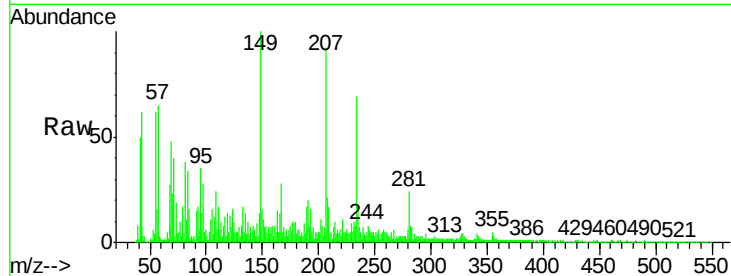
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.177 ng/ul
 RT: 21.26 min Scan# 3090
 Delta R.T. 0.01 min
 Lab File: BM012308.D
 Acq: 19 Oct 2017 08:37

Instrument :
 BNA_M
 ClientSampleId :
 B-28(1.5-2.75)-100917

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.5	33.7
279	6.4	4.4	6.6

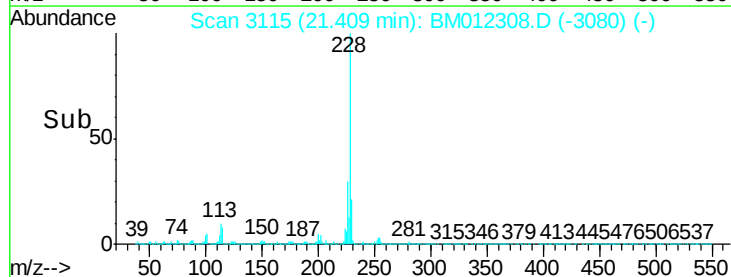
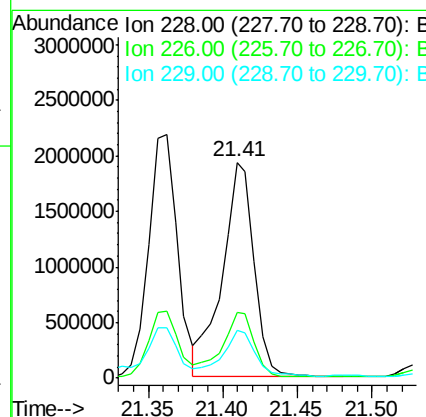
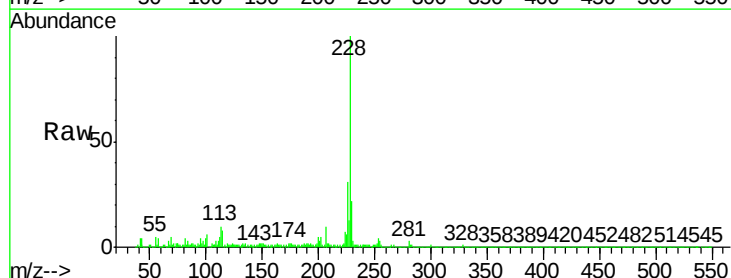
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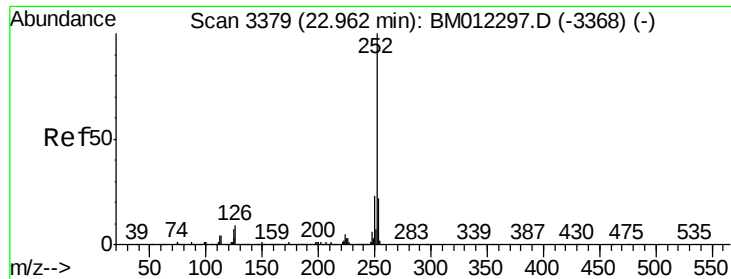
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#82
 Chrysene
 Concen: 35.633 ng/ul
 RT: 21.41 min Scan# 3115
 Delta R.T. 0.01 min
 Lab File: BM012308.D
 Acq: 19 Oct 2017 08:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	22.0	15.5	23.3





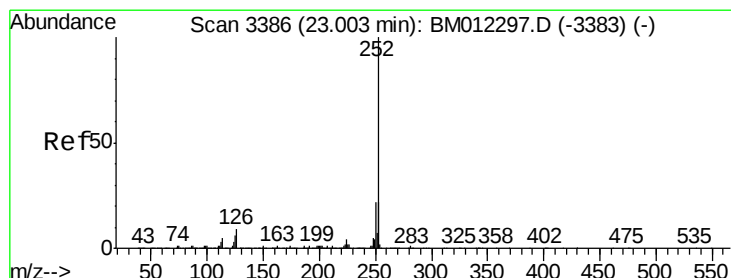
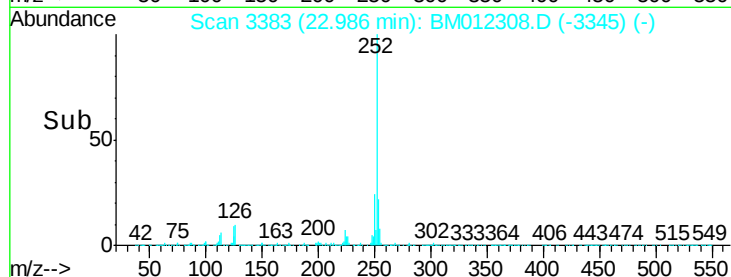
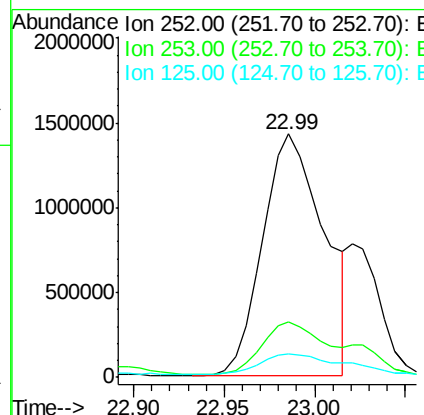
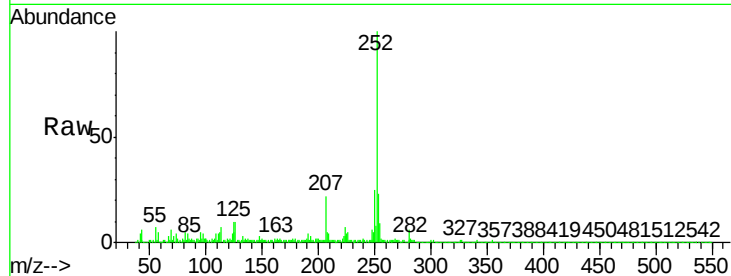
#85
Benzo(b)fluoranthene
Concen: 34.609 ng/ul
RT: 22.99 min Scan# 3383
Delta R.T. 0.02 min
Lab File: BM012308.D
Acq: 19 Oct 2017 08:37

Instrument :
BNA_M
ClientSampleId :
B-28(1.5-2.75)-100917

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	9.8	5.1	7.7#

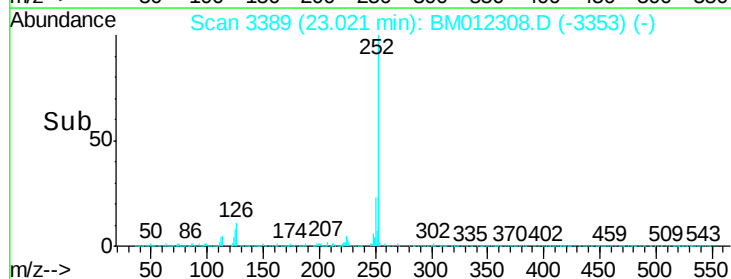
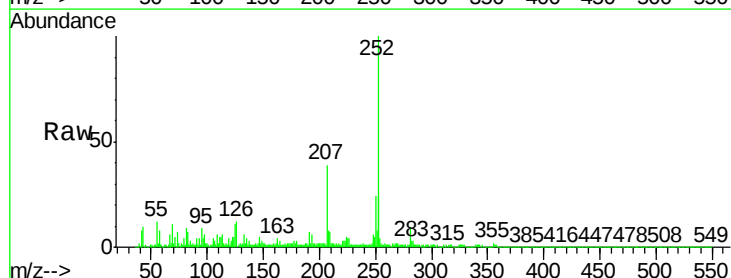
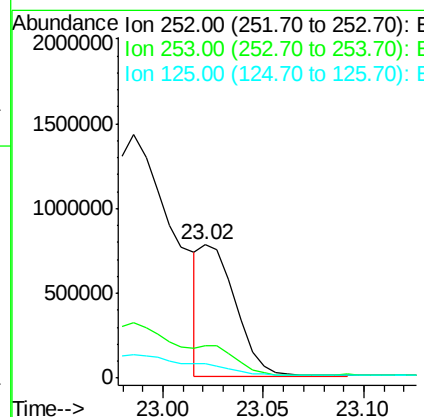
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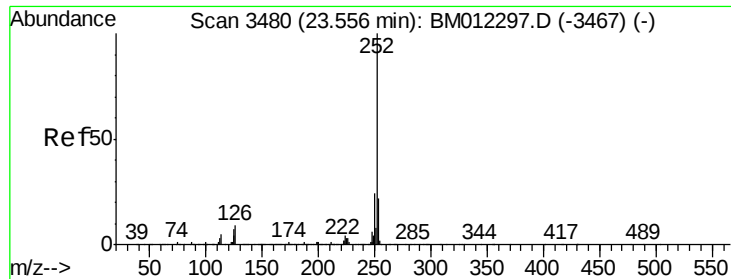
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#86
Benzo(k)fluoranthene
Concen: 10.144 ng/ul m
RT: 23.02 min Scan# 3389
Delta R.T. 0.01 min
Lab File: BM012308.D
Acq: 19 Oct 2017 08:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	10.6	4.9	7.3#





#88

Benzo(a)pyrene

Concen: 24.784 ng/ul

RT: 23.58 min Scan# 3484

Delta R.T. 0.02 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Instrument :

BNA_M

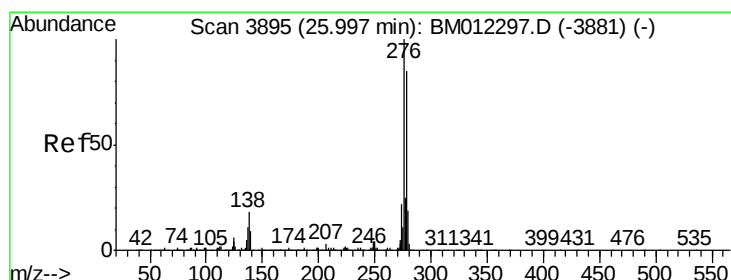
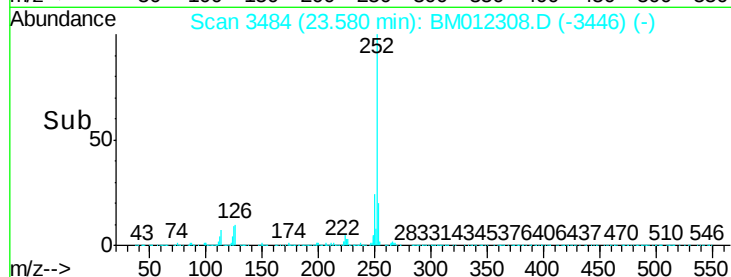
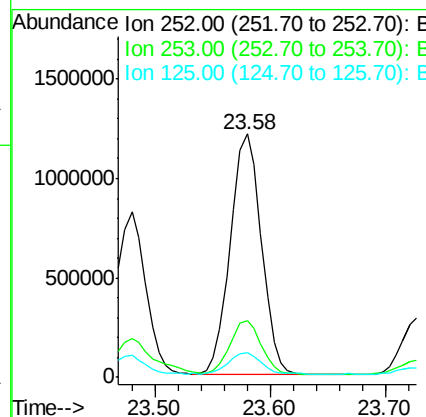
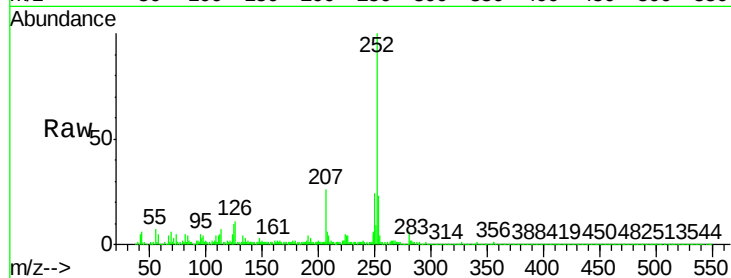
ClientSampleId :

B-28(1.5-2.75)-100917

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	10.2	5.2	7.8#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 15.344 ng/ul

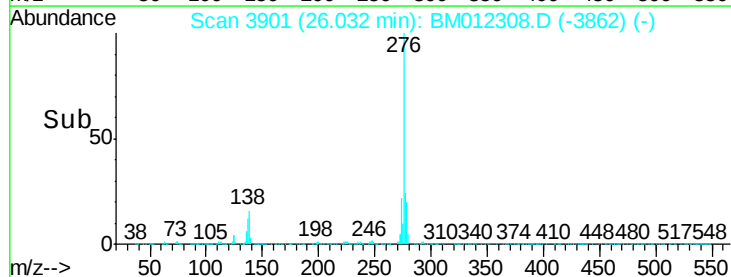
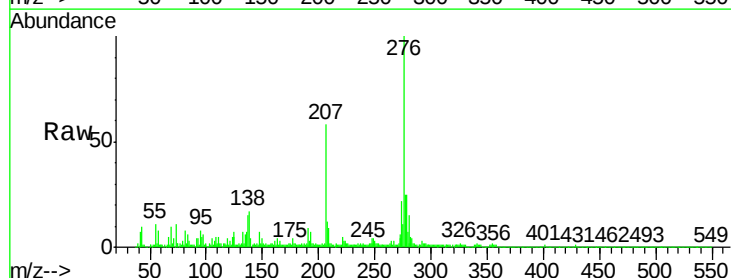
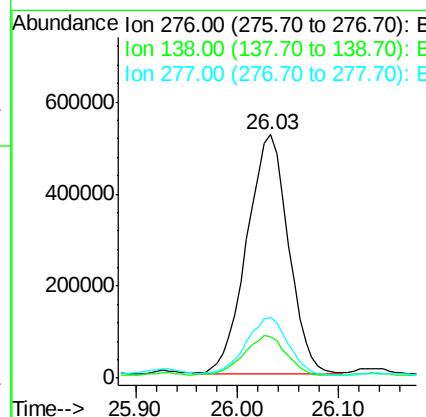
RT: 26.03 min Scan# 3901

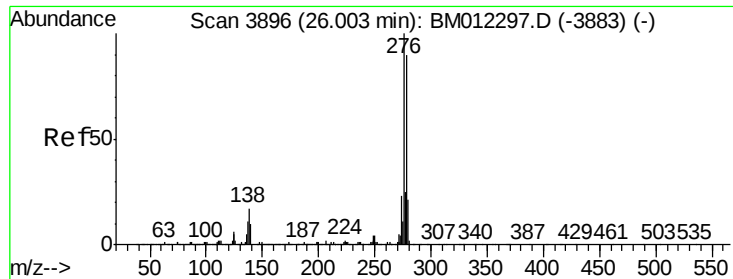
Delta R.T. 0.03 min

Lab File: BM012308.D

Acq: 19 Oct 2017 08:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.2	19.8
277	25.1	20.6	31.0





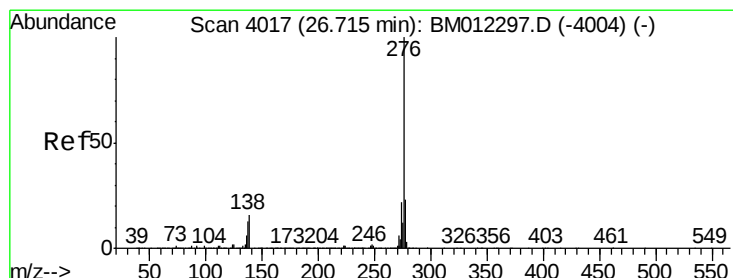
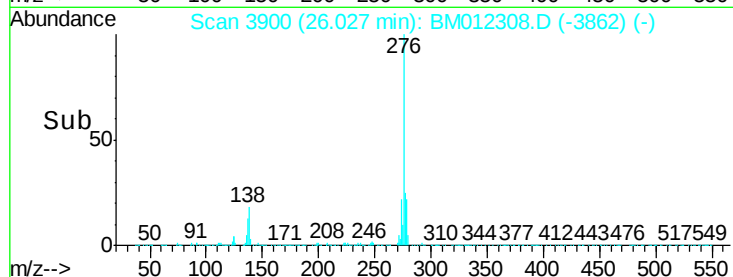
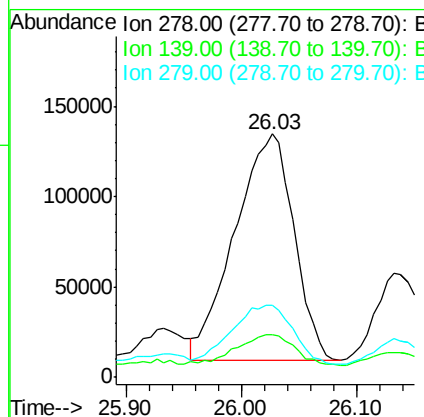
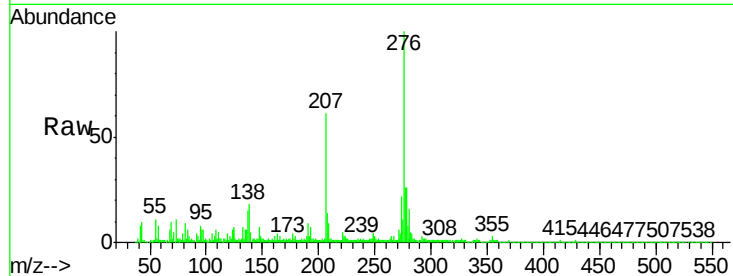
#90
Dibenzo(a,h)anthracene
Concen: 5.462 ng/ul
RT: 26.03 min Scan# 3900
Delta R.T. 0.02 min
Lab File: BM012308.D
Acq: 19 Oct 2017 08:37

Instrument :
BNA_M
ClientSampleId :
B-28(1.5-2.75)-100917

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	446493		
139	17.7	8.3	12.5#	
279	29.4	19.3	28.9#	

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#91
Benzo(g,h,i)perylene
Concen: 15.480 ng/ul
RT: 26.76 min Scan# 4024
Delta R.T. 0.03 min
Lab File: BM012308.D
Acq: 19 Oct 2017 08:37

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	1232862		
138	17.4	10.7	16.1#	
277	26.0	19.0	28.4	

