

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\
 Data File : BM012397.D
 Acq On : 22 Oct 2017 15:21
 Operator : SJ/JU
 Sample : I5701-18
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0CK4

Manual Integrations
 APPROVED

Sohil
 10/24/2017 10:20:03 AM

Quant Time: Oct 23 18:20:43 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 23 09:23:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	302002	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	1296665	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	813781	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1880221	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1664271	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	1520389	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	12849	2.02	ng/uL	0.00
5) Phenol-d5	6.94	99	326200	13.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	202513	13.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	299880	14.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.48	113	292352	13.86	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	142737	14.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	167960	14.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	325199	14.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	103026	4.99	ng/ul	0.02
43) Dimethylphthalate-d6	13.82	166	1130621	15.72	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	1380081	15.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	93961	8.69	ng/ul	0.01
57) Fluorene-d10	15.41	176	968487	16.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	48739	3.78	ng/ul	0.01
70) Anthracene-d10	17.27	188	1485089	15.97	ng/ul	0.00
76) Pyrene-d10	19.57	212	1520778	18.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1132672	15.45	ng/ul	0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	6.92	77	34284	2.094	ng/ul	90
6) Phenol	6.97	94	80292	3.170	ng/ul#	89
28) Naphthalene	10.61	128	98566	1.469	ng/ul	99
34) 2-Methylnaphthalene	12.23	142	81032	1.601	ng/ul	96
44) Dimethylphthalate	13.87	163	428687	5.949	ng/ul	99
47) Acenaphthylene	14.14	152	1141978	13.358	ng/ul	98
49) Acenaphthene	14.48	153	76428	1.327	ng/ul	94
58) Fluorene	15.47	166	279976	4.066	ng/ul	96
69) Phenanthrene	17.21	178	5597913	52.336	ng/ul	98
71) Anthracene	17.31	178	1229816	11.106	ng/ul	99
72) Carbazole	17.58	167	147215	1.571	ng/ul#	90
73) Di-n-butylphthalate	18.12	149	131786	1.013	ng/ul#	95
74) Fluoranthene	19.24	202	9399750m	72.821	ng/ul	
77) Pyrene	19.61	202	11927475	108.520	ng/ul#	88
80) Benzo(a)anthracene	21.35	228	4589715	42.382	ng/ul	94
82) Chrysene	21.40	228	4958032	48.765	ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	4581947	46.181	ng/ul#	96
86) Benzo(k)fluoranthene	23.01	252	1007769m	10.540	ng/ul	
88) Benzo(a)pyrene	23.56	252	3426625	36.643	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.01	276	2157233	21.723	ng/ul	99
90) Dibenzo(a,h)anthracene	26.00	278	676351	8.102	ng/ul#	82
91) Benzo(a,h,i)perylene	26.74	276	2168995	26.667	ng/ul	96

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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

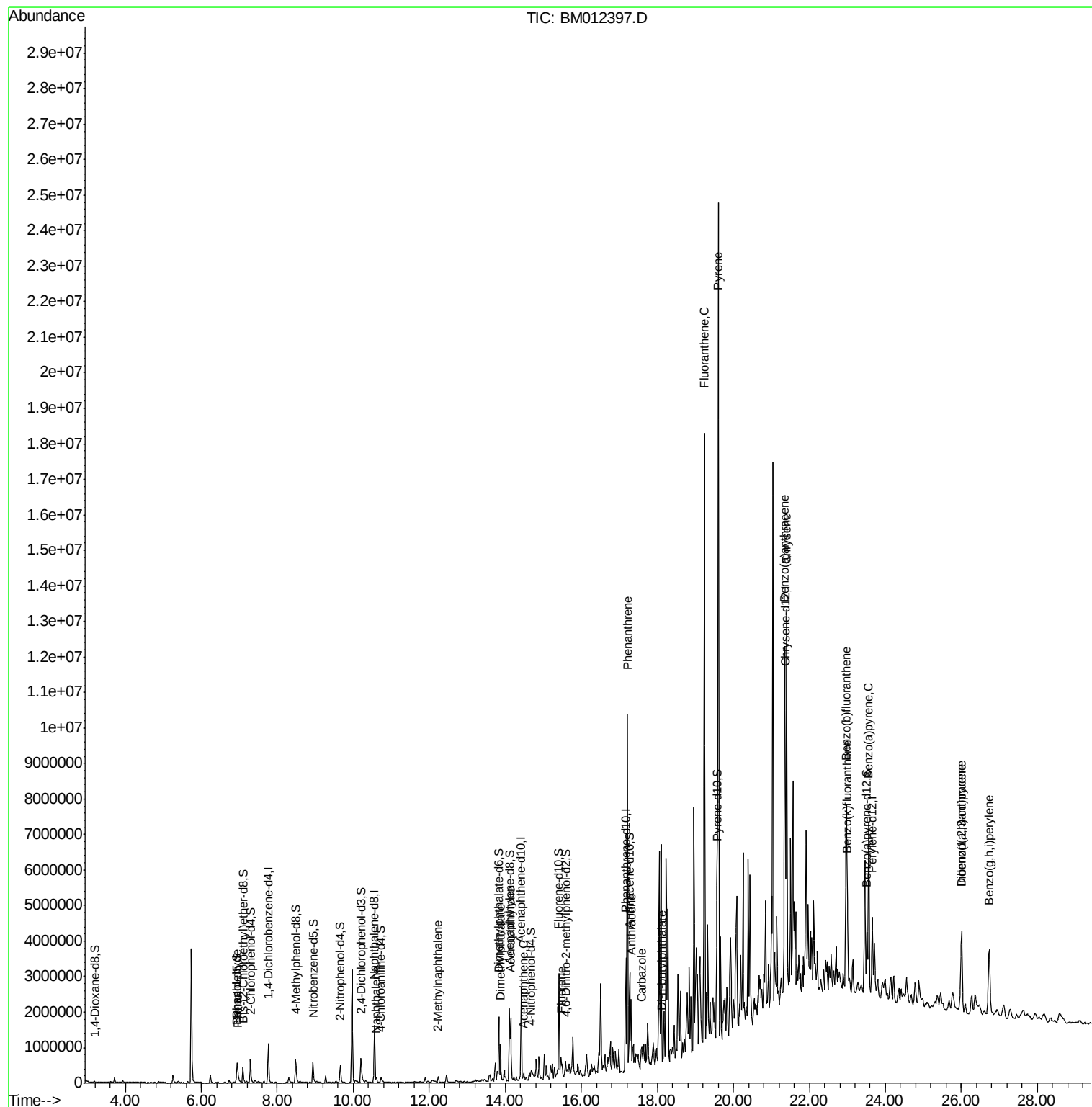
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\
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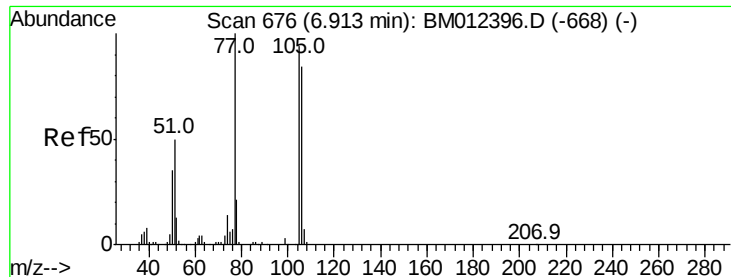
Instrument :
BNA_M
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#4

Benzaldehyde

Concen: 2.094 ng/ul

RT: 6.92 min Scan# 678

Delta R.T. 0.01 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Instrument :

BNA_M

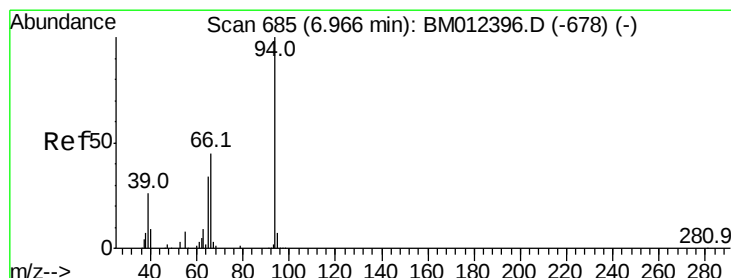
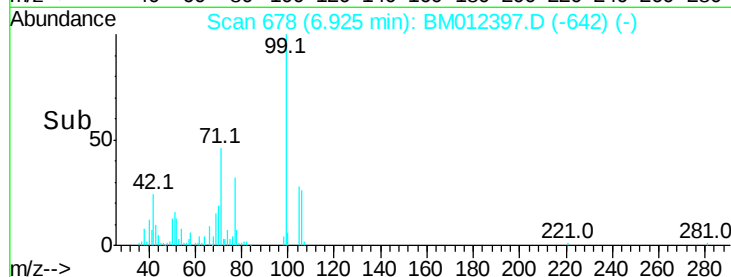
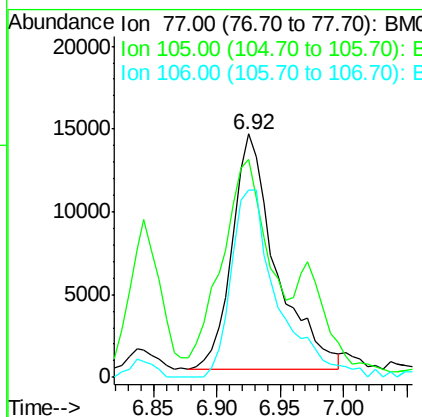
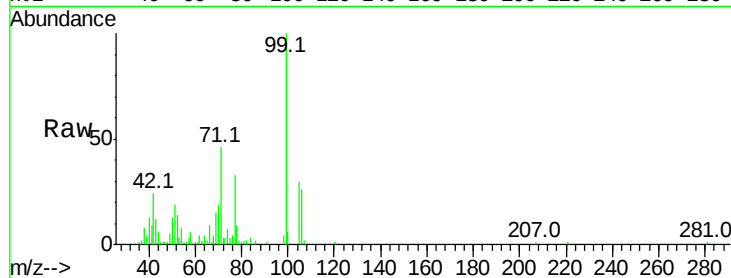
ClientSampleId :

B0CK4

Tot Ion	Ratio	Lower	Upper
77	100		
105	89.4	78.4	117.6
106	76.8	70.6	106.0

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#6

Phenol

Concen: 3.170 ng/ul

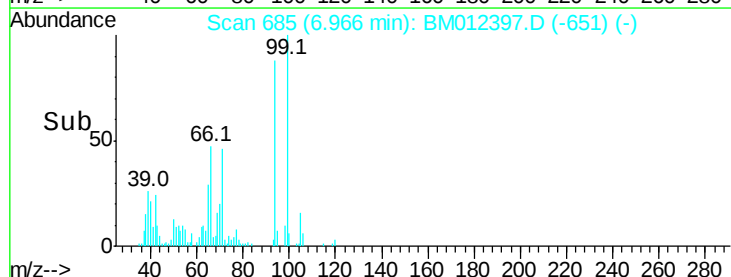
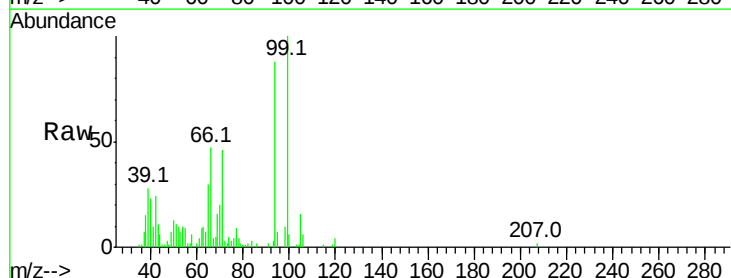
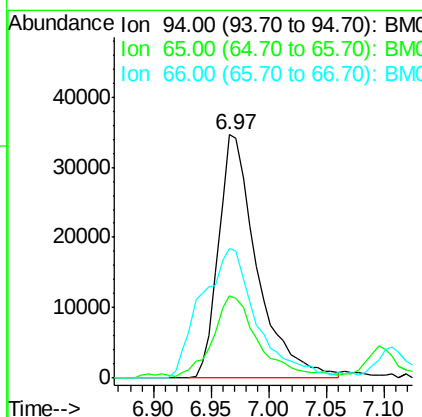
RT: 6.97 min Scan# 685

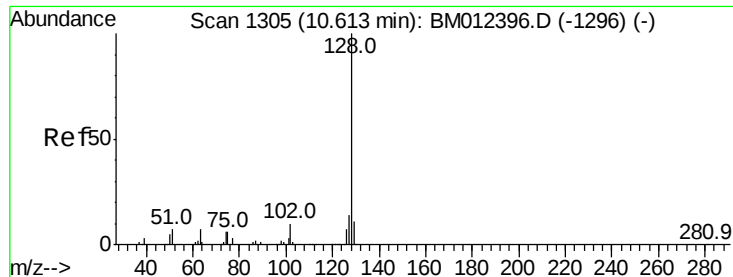
Delta R.T. -0.00 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.8	24.4	36.6
66	53.0	35.0	52.4





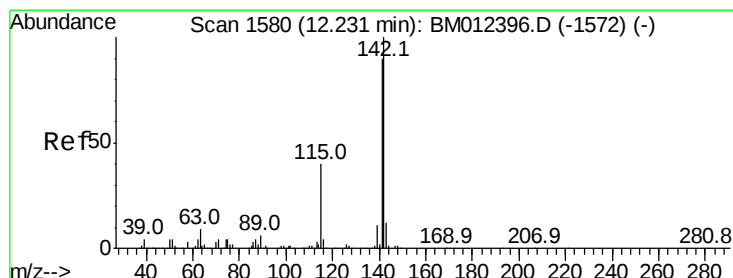
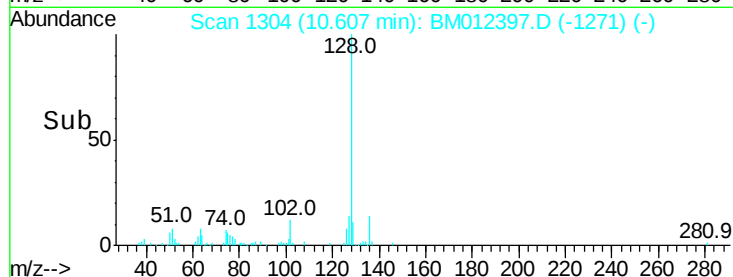
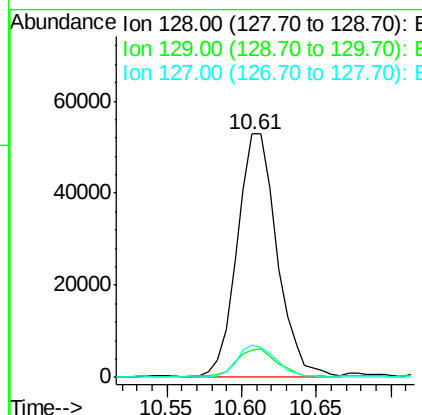
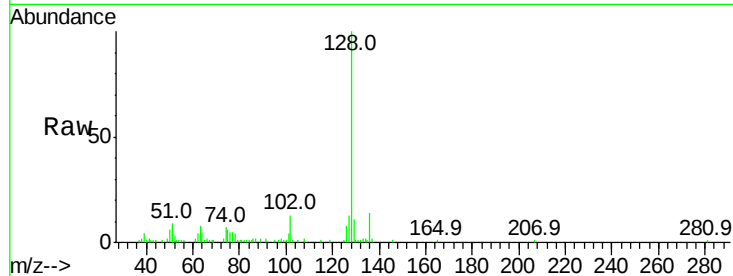
#28
Naphthalene
Concen: 1.469 ng/ul
RT: 10.61 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Instrument :
BNA_M
ClientSampleId :
B0CK4

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.4	11.4	17.0

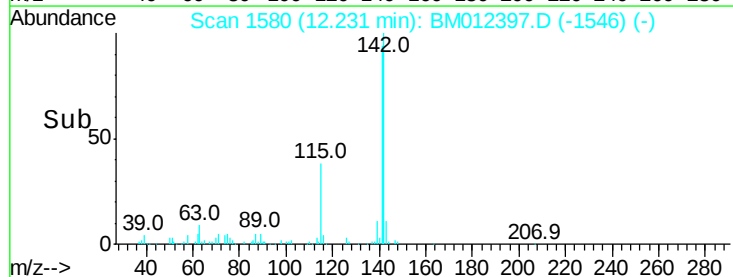
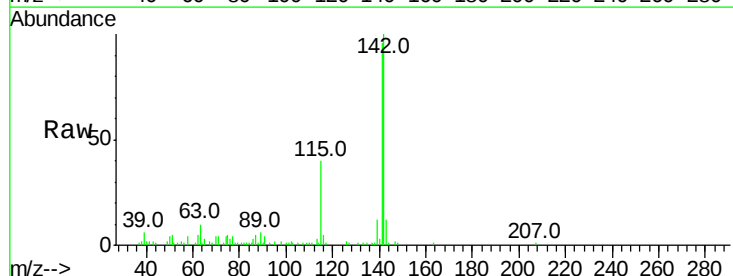
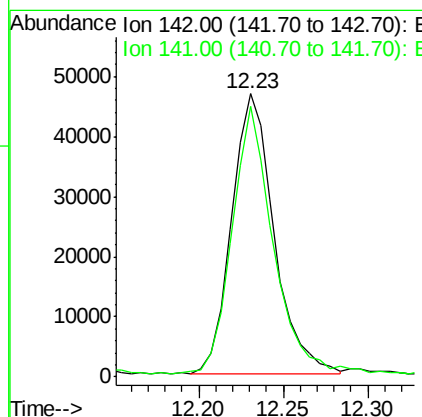
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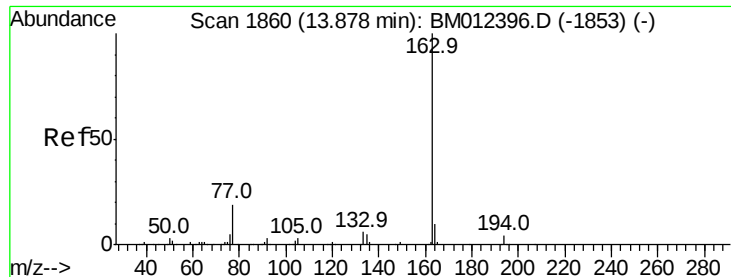
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#34
2-Methylnaphthalene
Concen: 1.601 ng/ul
RT: 12.23 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	95.6	73.6	110.4





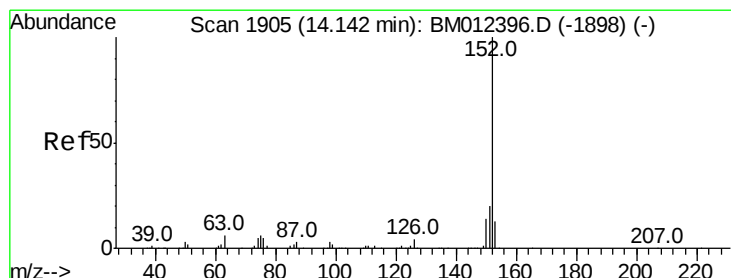
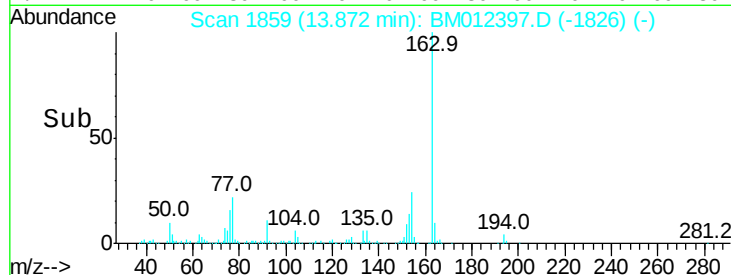
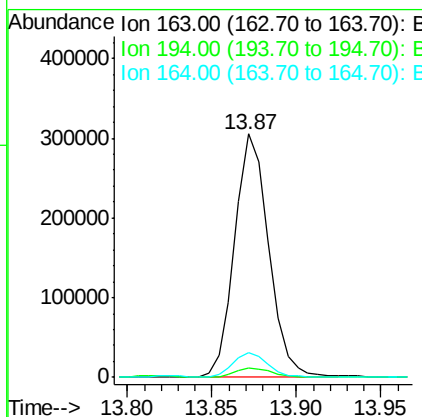
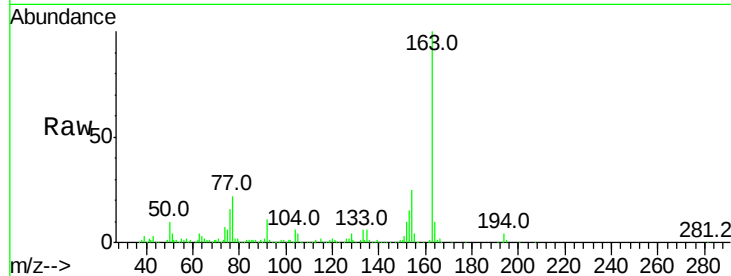
#44
Dimethylphthalate
Concen: 5.949 ng/ul
RT: 13.87 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Instrument :
BNA_M
ClientSampleId :
B0CK4

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.7	5.5
164	10.0	8.1	12.1

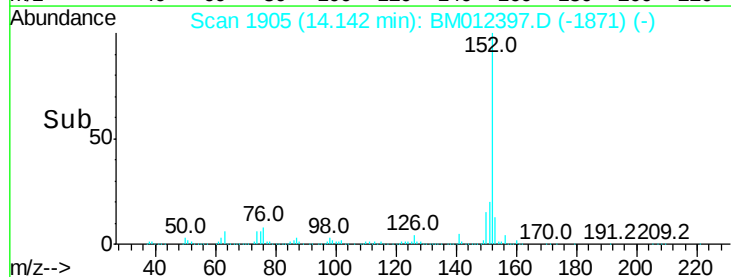
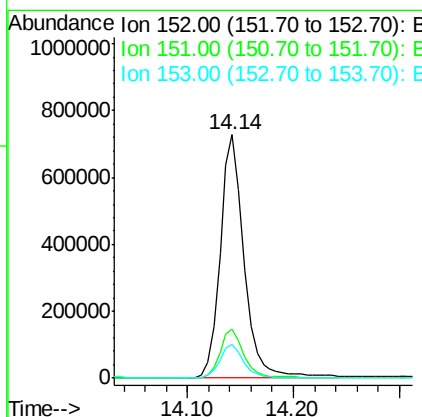
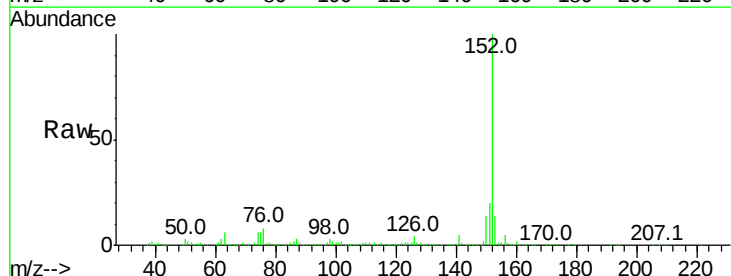
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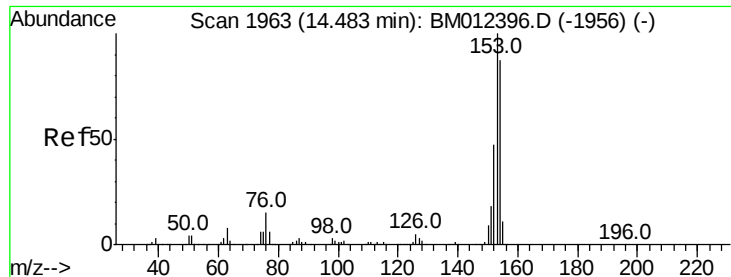
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#47
Acenaphthylene
Concen: 13.358 ng/ul
RT: 14.14 min Scan# 1905
Delta R.T. -0.00 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.3	22.9
153	13.6	10.4	15.6





#49

Acenaphthene

Concen: 1.327 ng/ul

RT: 14.48 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Instrument :

BNA_M

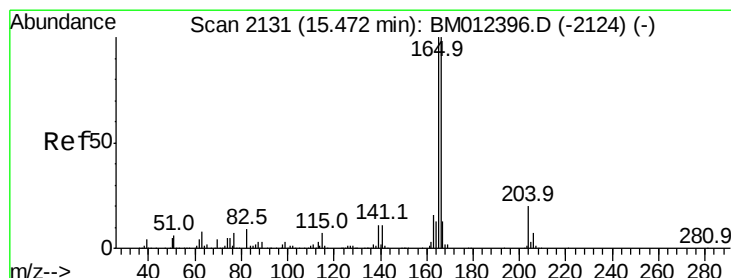
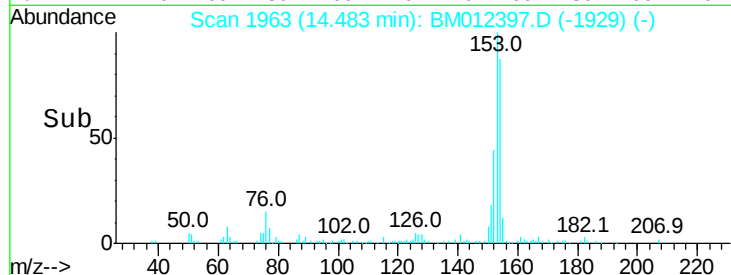
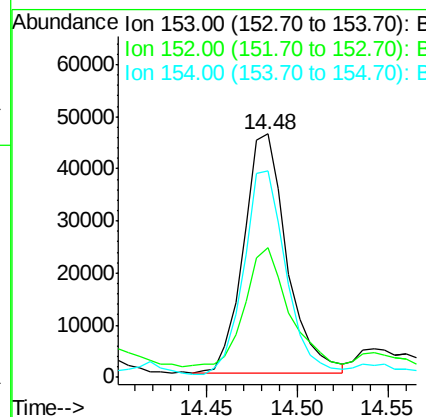
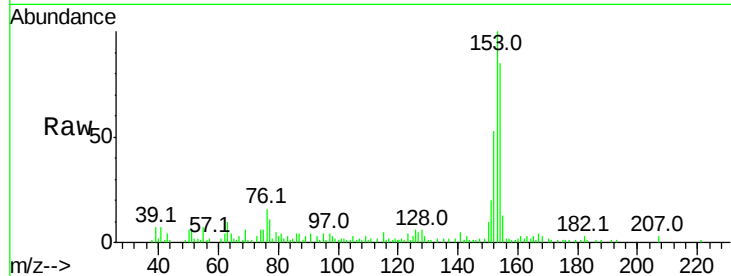
ClientSampleId :

B0CK4

Tot Ion:	153	Resp:	76428
Ion Ratio	Lower	Upper	
153	100		
152	53.0	37.4	56.0
154	84.8	71.1	106.7

Manual Integrations
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#58

Fluorene

Concen: 4.066 ng/ul

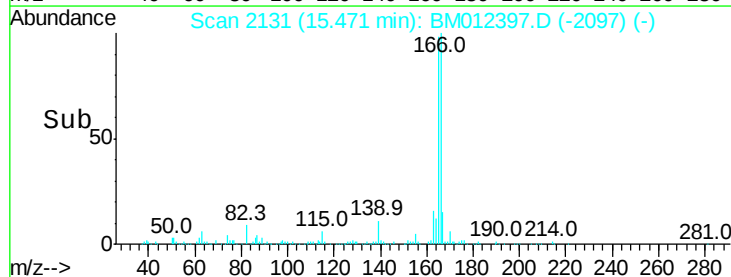
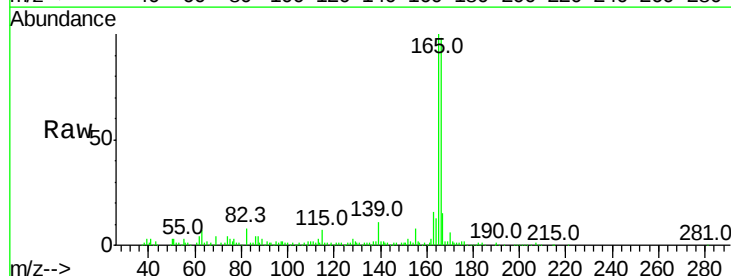
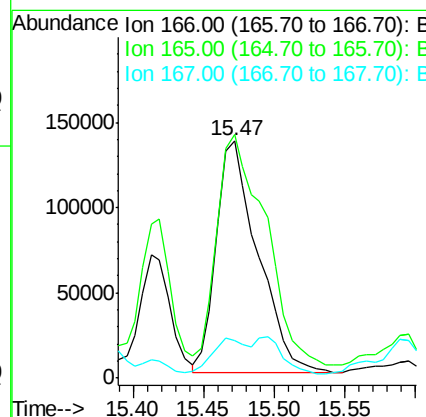
RT: 15.47 min Scan# 2131

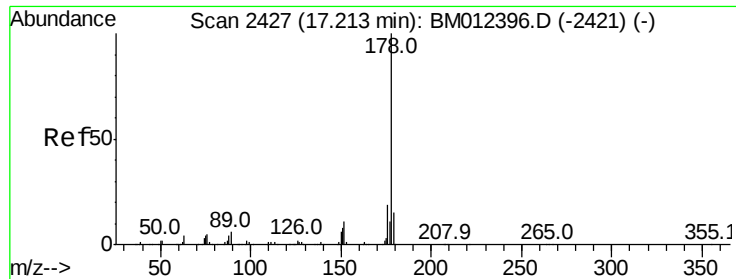
Delta R.T. -0.00 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Tgt Ion:	166	Resp:	279976
Ion Ratio	Lower	Upper	
166	100		
165	102.4	79.0	118.6
167	15.9	10.8	16.2





#69

Phenanthrene

Concen: 52.336 ng/ul

RT: 17.21 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Instrument :

BNA_M

ClientSampled :

B0CK4

Tot Ion:178 Resp: 5597913

Ion Ratio Lower Upper

178 100

179 15.7 12.0 18.0

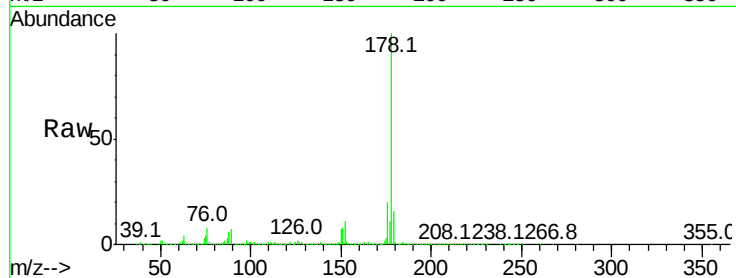
176 19.8 15.0 22.6

Manual Integrations

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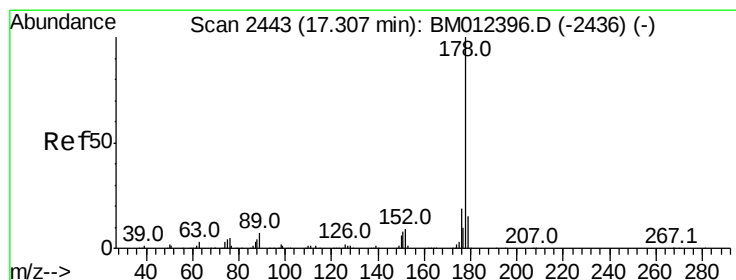
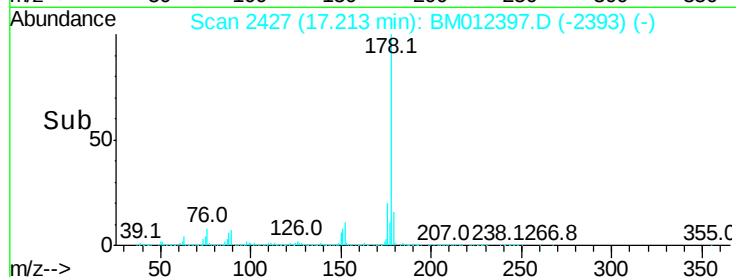
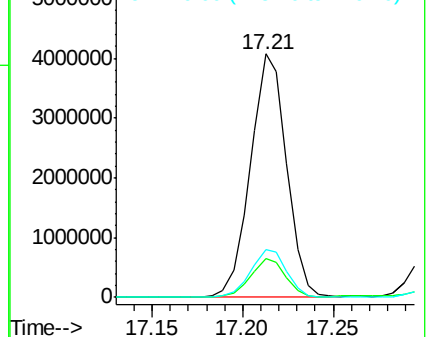
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 11.106 ng/ul

RT: 17.31 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

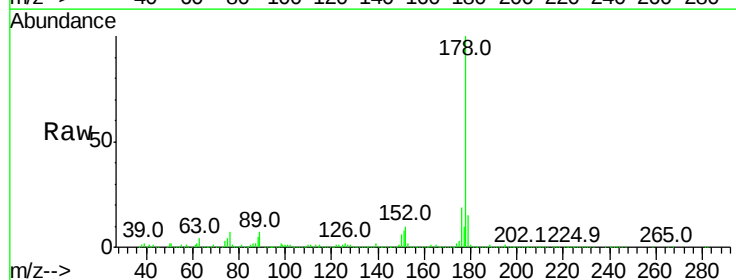
Tgt Ion:178 Resp: 1229816

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

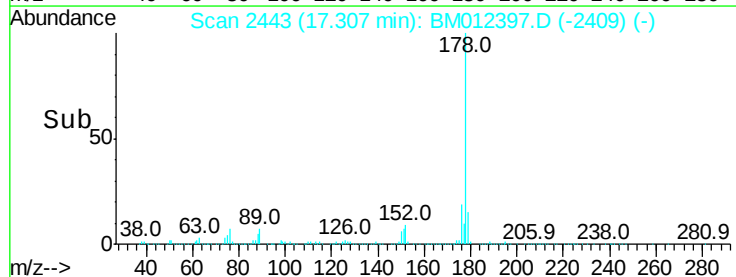
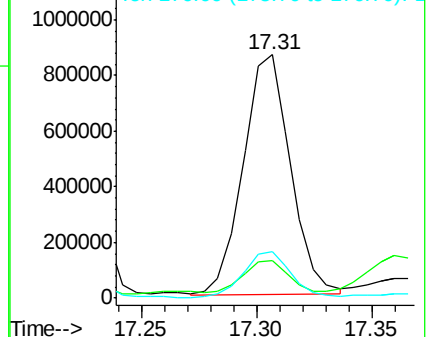
176 18.9 14.7 22.1

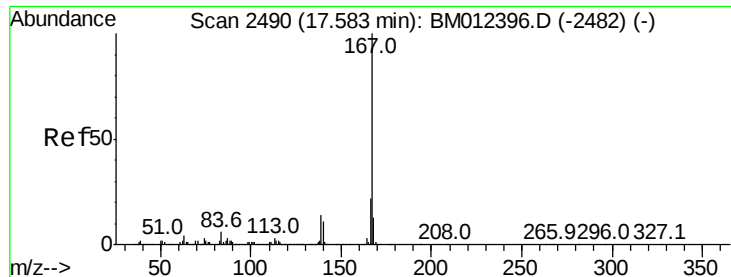


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.571 ng/ul

RT: 17.58 min Scan# 2490

Delta R.T. -0.00 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Instrument :

BNA_M

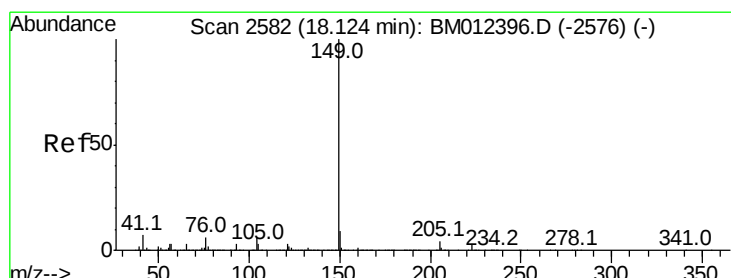
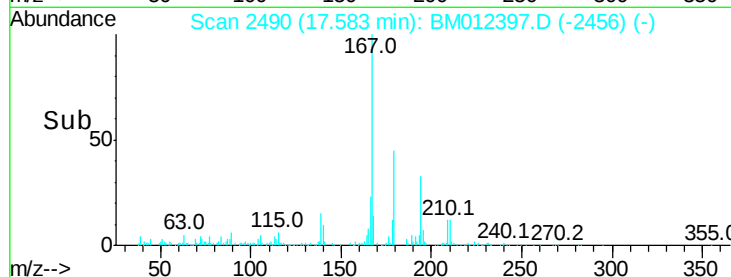
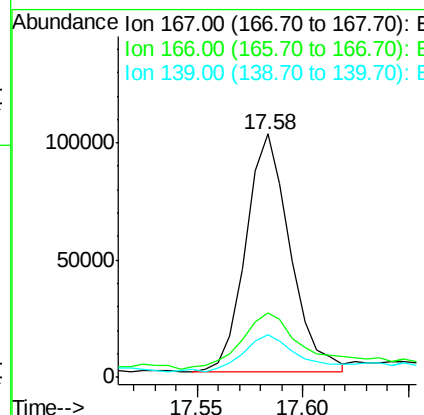
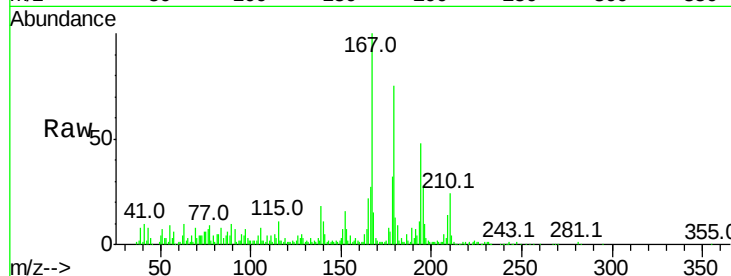
ClientSampled :

B0CK4

Tot Ion:	167	Resp:	147215
Ion Ratio	Lower	Upper	
167	100		
166	26.7	17.8	26.6#
139	17.7	10.6	15.8#

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#73

Di-n-butylphthalate

Concen: 1.013 ng/ul

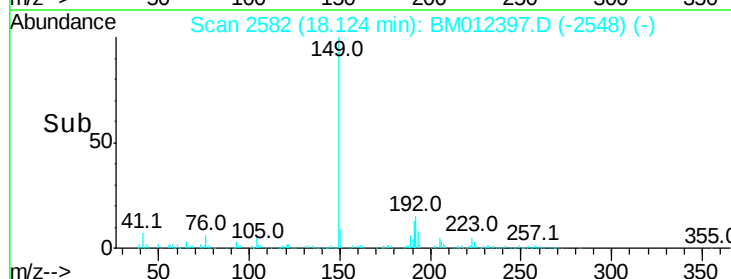
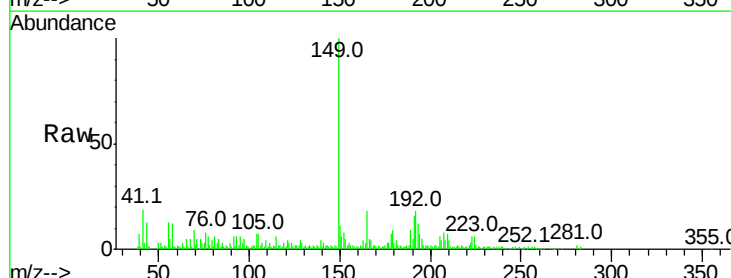
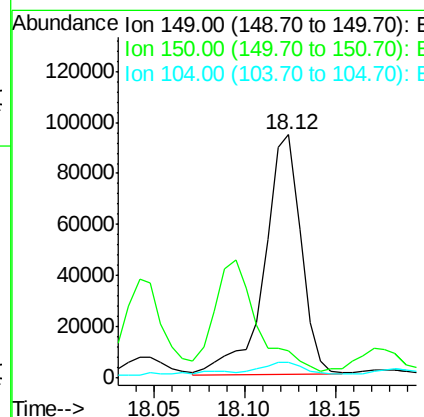
RT: 18.12 min Scan# 2582

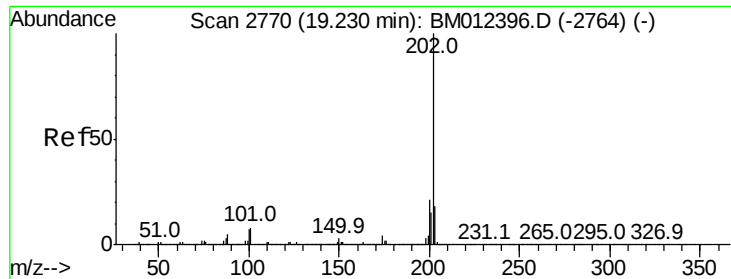
Delta R.T. -0.00 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Tgt Ion:	149	Resp:	131786
Ion Ratio	Lower	Upper	
149	100		
150	11.0	7.4	11.0
104	6.7	4.2	6.4#





#74

Fluoranthene

Concen: 72.821 ng/ul m

RT: 19.24 min Scan# 2772

Delta R.T. 0.01 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Instrument :

BNA_M

ClientSampleId :

B0CK4

Tot Ion:202 Resp: 9399750

Ion Ratio Lower Upper

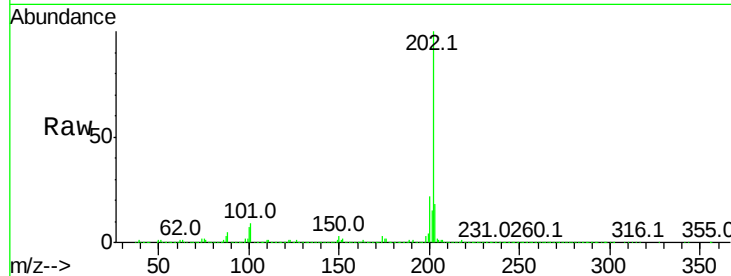
202 100

101 8.7 5.8 8.6#

100 7.0 4.3 6.5#

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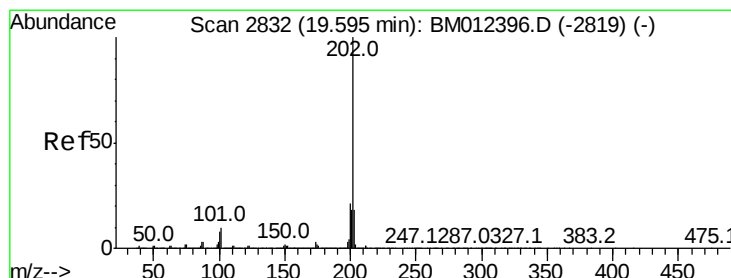
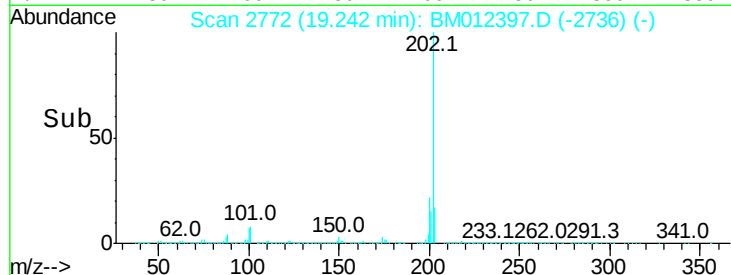
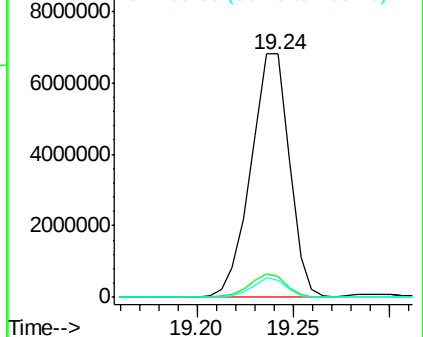
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 108.520 ng/ul

RT: 19.61 min Scan# 2834

Delta R.T. 0.01 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

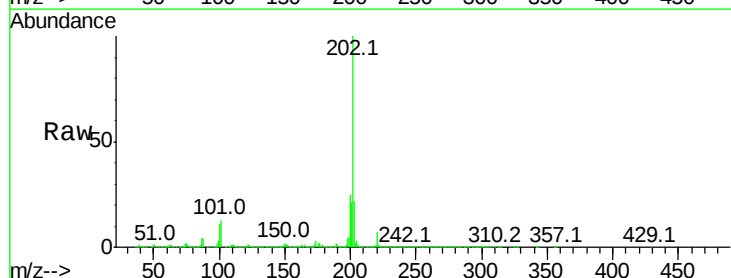
Tgt Ion:202 Resp:11927475

Ion Ratio Lower Upper

202 100

101 12.8 6.5 9.7#

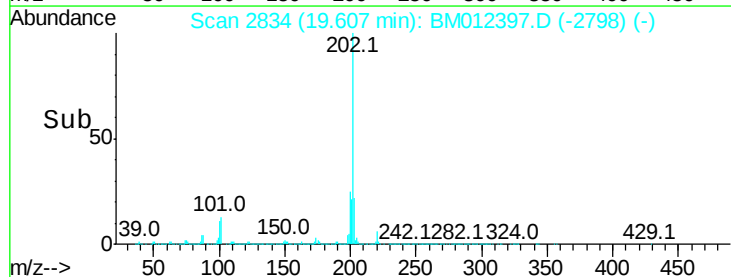
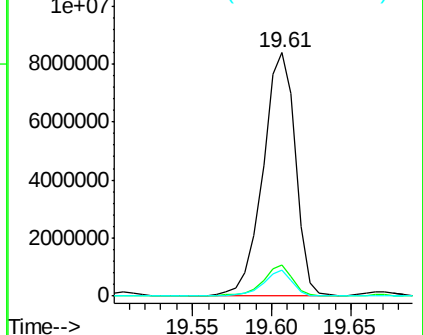
100 10.5 5.6 8.4#

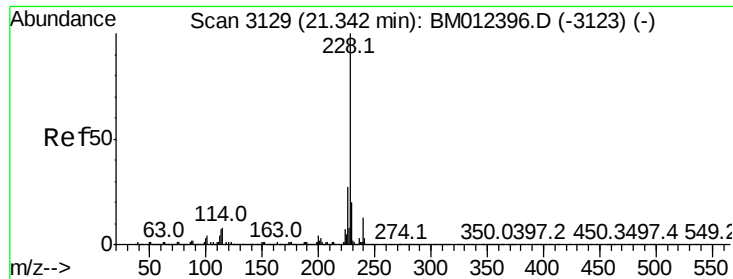


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





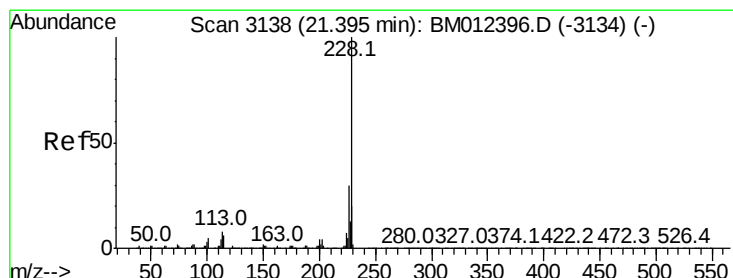
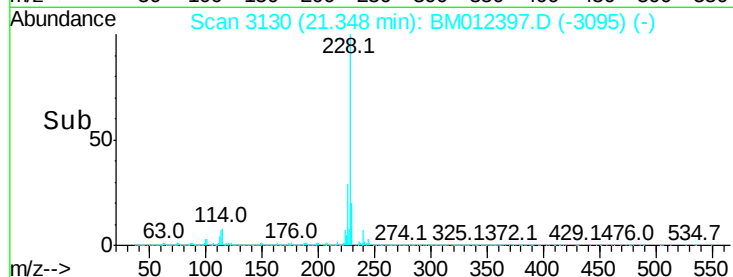
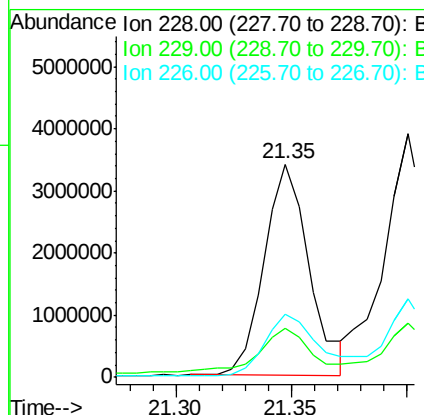
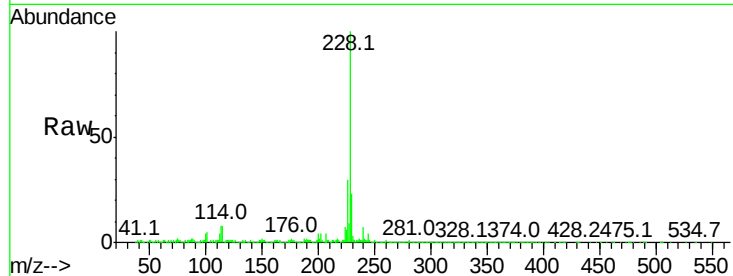
#80
Benzo(a)anthracene
Concen: 42.382 ng/ul
RT: 21.35 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Instrument :
BNA_M
ClientSampled :
B0CK4

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.8	23.8
226	29.8	21.4	32.2

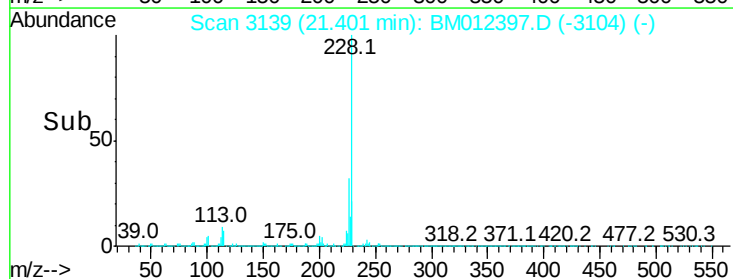
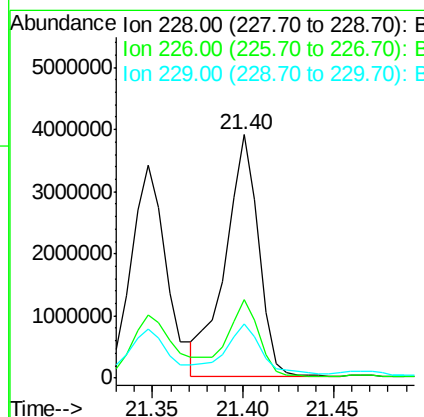
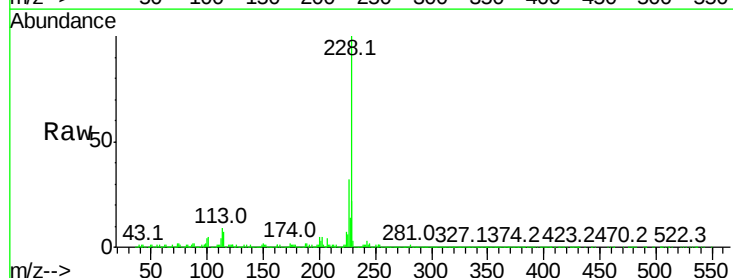
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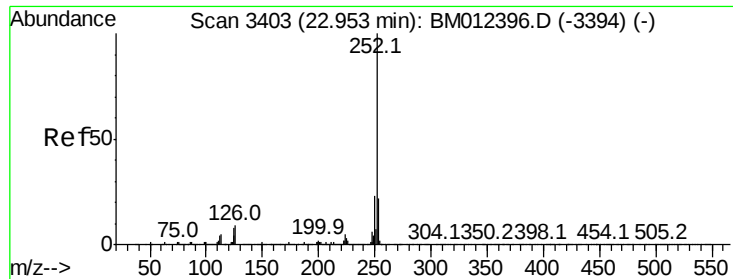
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#82
Chrysene
Concen: 48.765 ng/ul
RT: 21.40 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.0	36.0
229	22.2	15.5	23.3





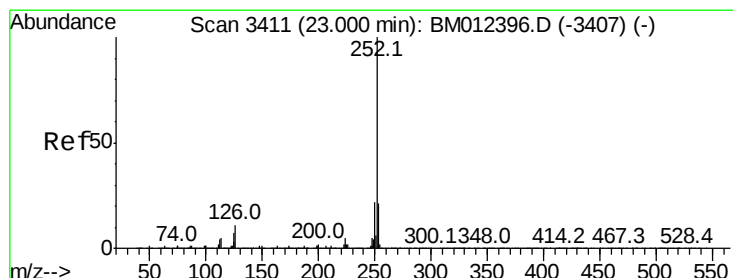
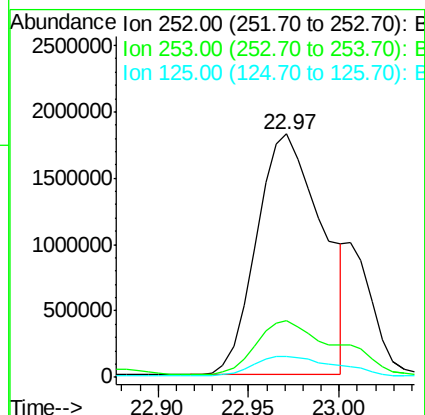
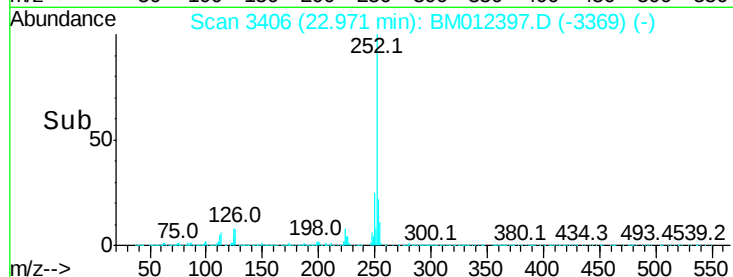
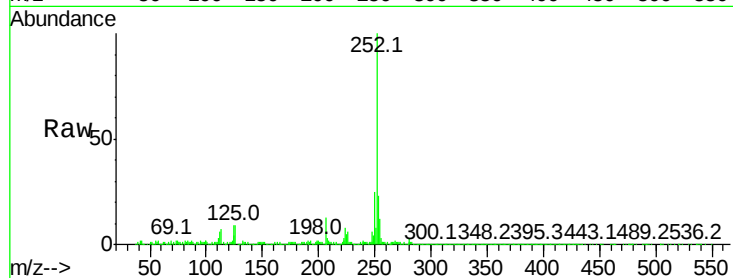
#85
Benzo(b)fluoranthene
Concen: 46.181 ng/ul
RT: 22.97 min Scan# 3406
Delta R.T. 0.02 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Instrument :
BNA_M
ClientSampleId :
B0CK4

Tot Ion:252 Resp: 4581947
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 8.5 5.1 7.7#

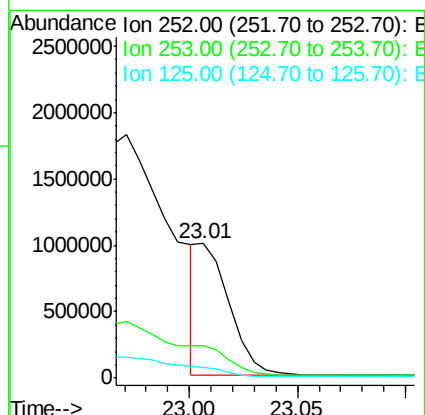
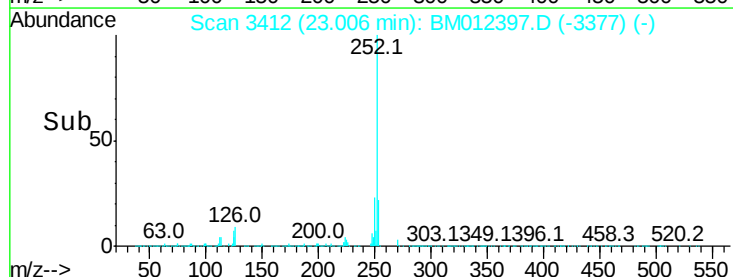
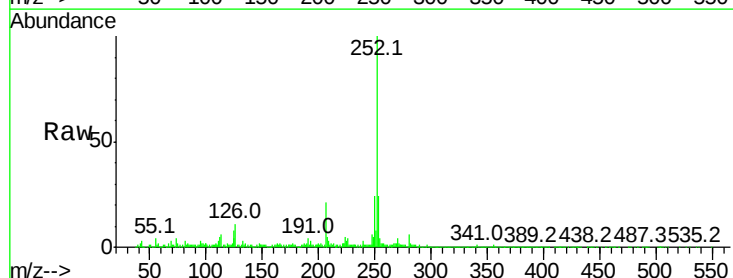
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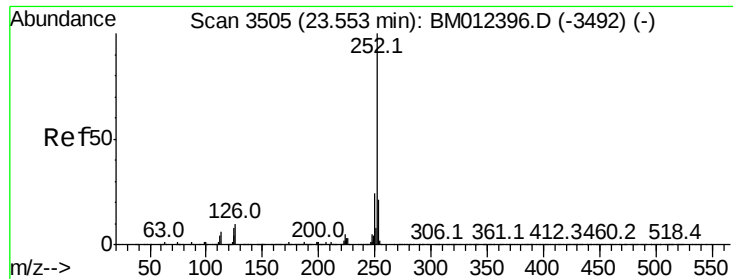
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#86
Benzo(k)fluoranthene
Concen: 10.540 ng/ul m
RT: 23.01 min Scan# 3412
Delta R.T. 0.01 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Tgt Ion:252 Resp: 1007769
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 8.2 4.9 7.3#





#88

Benzo(a)pyrene

Concen: 36.643 ng/ul

RT: 23.56 min Scan# 3506

Delta R.T. 0.01 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Instrument :

BNA_M

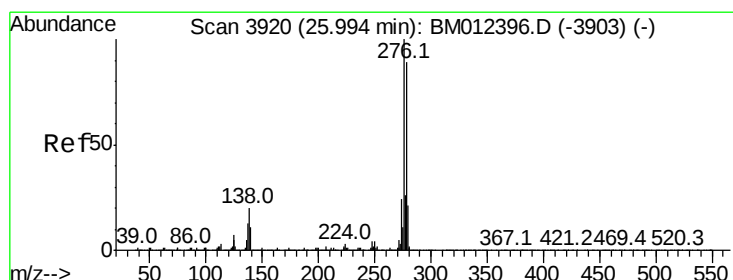
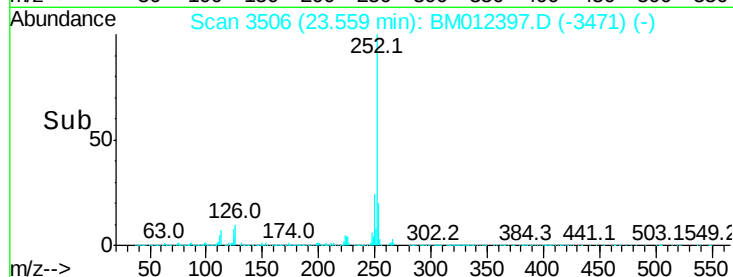
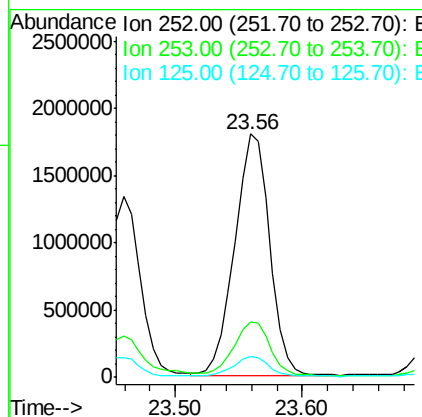
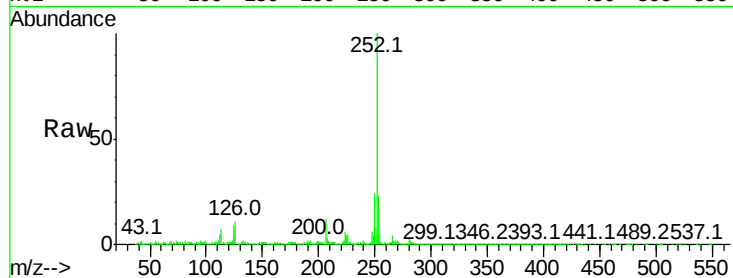
ClientSampleId :

B0CK4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	8.7	5.2	7.8

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 21.723 ng/ul

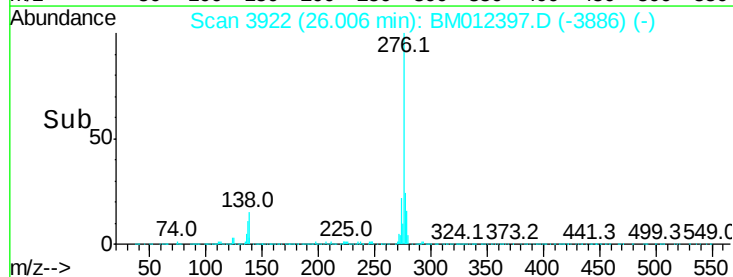
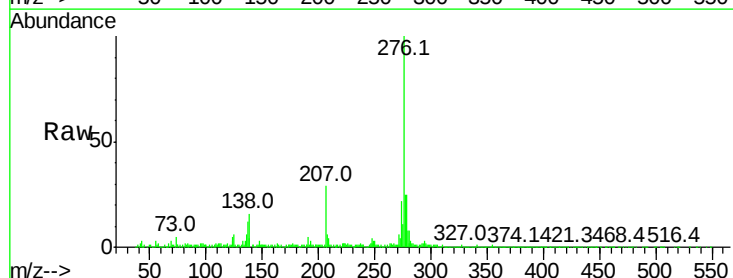
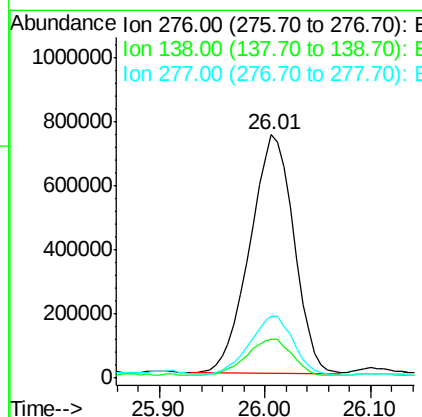
RT: 26.01 min Scan# 3922

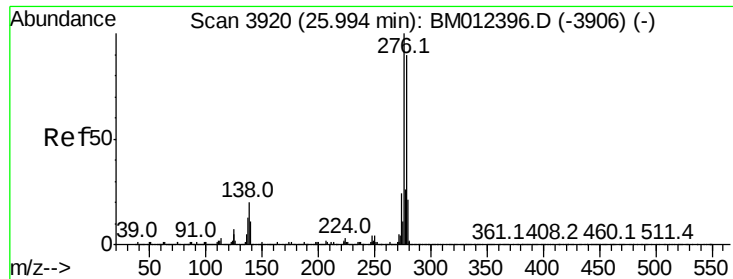
Delta R.T. 0.01 min

Lab File: BM012397.D

Acq: 22 Oct 2017 15:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.2	19.8
277	25.4	20.6	31.0





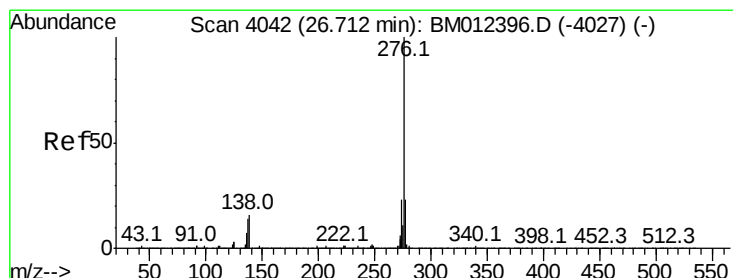
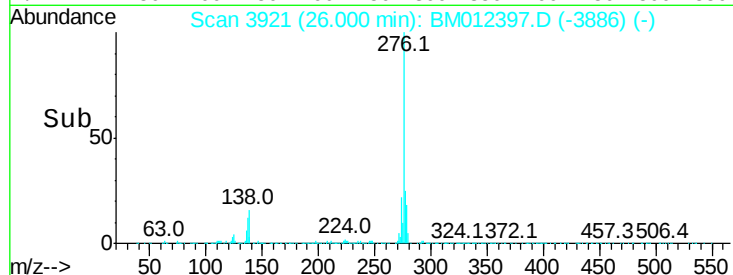
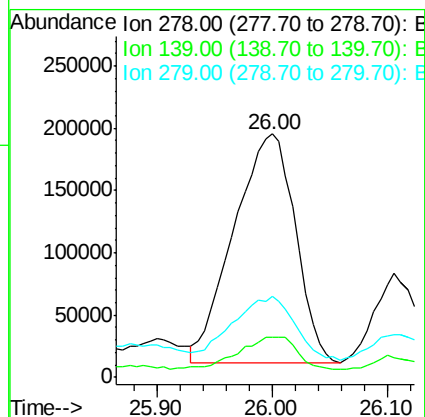
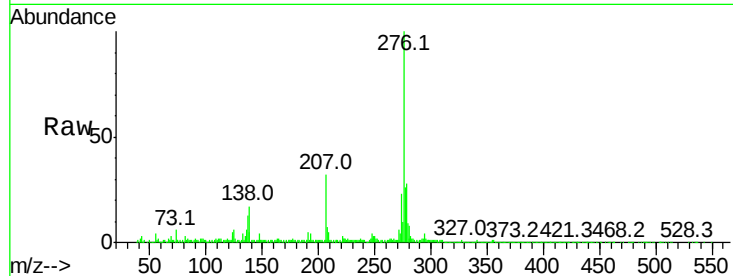
#90
Dibenzo(a,h)anthracene
Concen: 8.102 ng/ul
RT: 26.00 min Scan# 3921
Delta R.T. 0.01 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Instrument :
BNA_M
ClientSampled :
B0CK4

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	8.3	12.5#
279	33.1	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 26.667 ng/ul
RT: 26.74 min Scan# 4046
Delta R.T. 0.02 min
Lab File: BM012397.D
Acq: 22 Oct 2017 15:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	10.7	16.1
277	24.7	19.0	28.4

