

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\
 Data File : BM012402.D
 Acq On : 22 Oct 2017 18:22
 Operator : SJ/JU
 Sample : I5756-07
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 B0CN1

Manual Integrations
 APPROVED

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

Quant Time: Oct 23 18:39:38 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 23 18:04:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	352705	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1457157	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	833869	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	1564397	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1382058	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	1447449	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	21312	2.87	ng/uL	0.00
5) Phenol-d5	6.94	99	572463	20.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	353588	20.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	528787	21.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	469816	19.07	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	249680	22.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	290406	22.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	553279	22.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	154062	6.64	ng/ul	0.01
43) Dimethylphthalate-d6	13.83	166	1724971	23.41	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	2103770	23.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	136630	12.33	ng/ul	0.02
57) Fluorene-d10	15.42	176	1381485	22.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	610	0.06	ng/ul	-0.01
70) Anthracene-d10	17.28	188	1847427	23.88	ng/ul	0.00
76) Pyrene-d10	19.58	212	1701324	24.25	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.52	264	1656499	23.74	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.97	94	118715	4.013	ng/ul 88
28) Naphthalene	10.61	128	353604	4.690	ng/ul 99
34) 2-Methylnaphthalene	12.23	142	637894	11.213	ng/ul 100
40) 1,1'-Biphenyl	13.25	154	106907	1.519	ng/ul 96
44) Dimethylphthalate	13.88	163	495845	6.715	ng/ul 99
47) Acenaphthylene	14.15	152	1291566	14.743	ng/ul# 95
49) Acenaphthene	14.49	153	470069	7.966	ng/ul 96
53) Dibenzofuran	14.82	168	147984	1.742	ng/ul# 71
58) Fluorene	15.48	166	1135152	16.087	ng/ul 99
69) Phenanthrene	17.22	178	8588353	96.504	ng/ul 97
71) Anthracene	17.31	178	1728131	18.757	ng/ul 99
74) Fluoranthene	19.24	202	6208668	57.809	ng/ul# 95
77) Pyrene	19.61	202	10283413	112.667	ng/ul# 92
80) Benzo(a)anthracene	21.35	228	3813538	42.406	ng/ul# 92
82) Chrysene	21.41	228	4296731	50.890	ng/ul 94
85) Benzo(b)fluoranthene	22.98	252	3321463m	35.163	ng/ul
86) Benzo(k)fluoranthene	23.01	252	934325m	10.264	ng/ul
88) Benzo(a)pyrene	23.58	252	3235418	36.341	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	26.04	276	1779890	18.826	ng/ul 99
90) Dibenz(a,h)anthracene	26.03	278	626512	7.883	ng/ul# 75
91) Benzo(a,h,i)perylene	26.76	276	1692304	21.855	ng/ul# 94

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\
Data File : BM012402.D
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Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B0CN1

Manual Integrations
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 23 18:04:39 2017
Response via : Initial Calibration

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

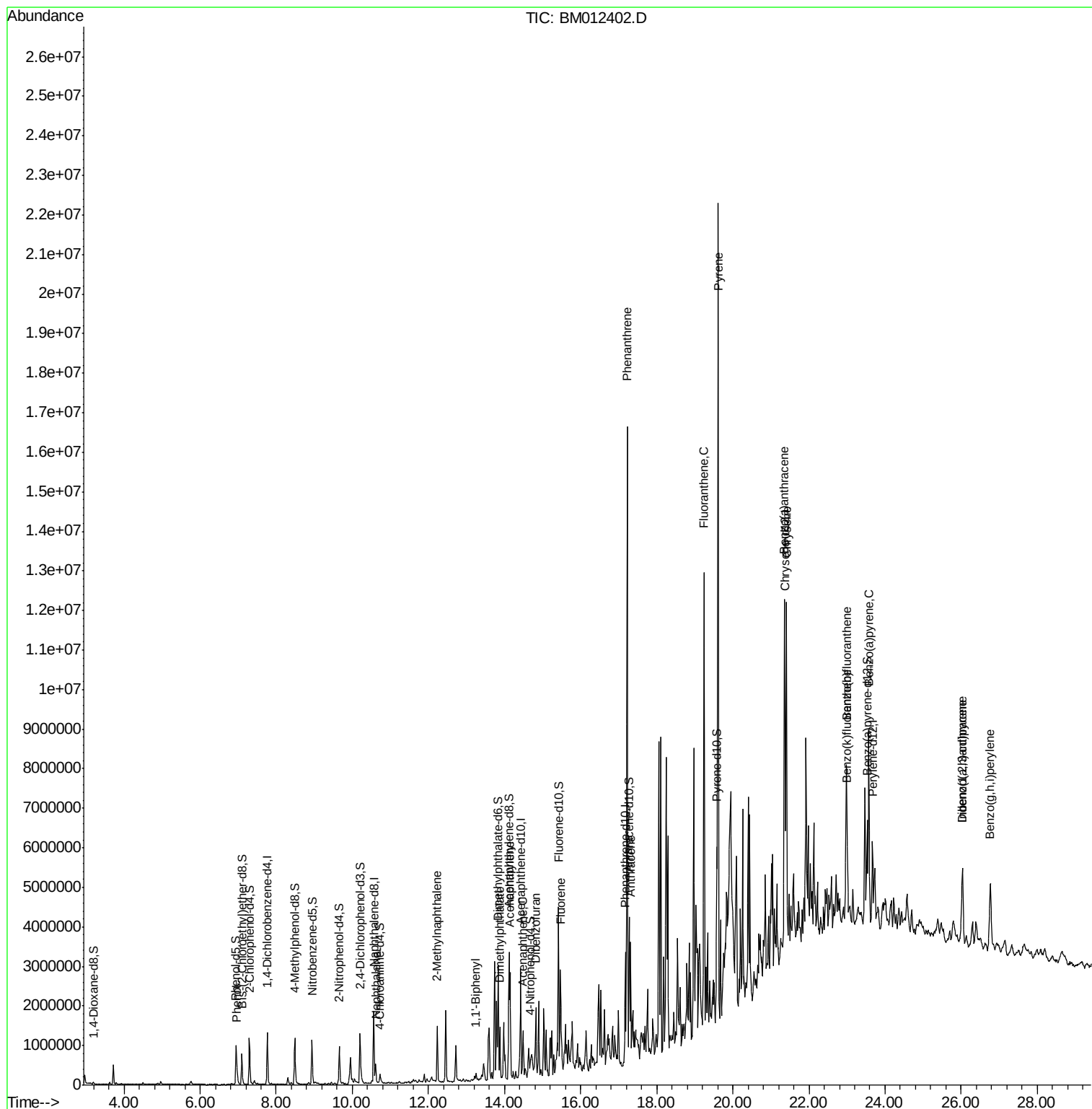
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\
Data File : BM012402.D
Acq On : 22 Oct 2017 18:22
Operator : SJ/JU
Sample : I5756-07
Misc :
ALS Vial : 54 Sample Multiplier: 1

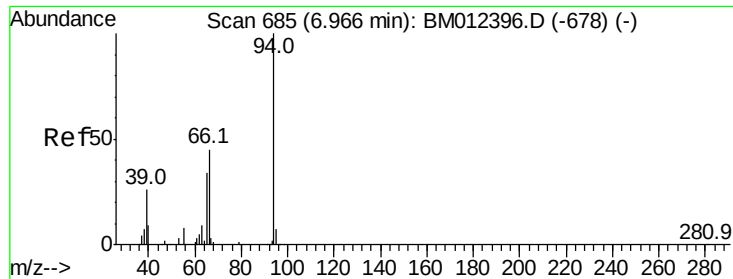
Instrument :
BNA_M
ClientSampled :
B0CN1

Quant Time: Oct 23 18:39:38 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
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#6

Phenol

Concen: 4.013 ng/ul

RT: 6.97 min Scan# 686

Delta R.T. 0.01 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Instrument :

BNA_M

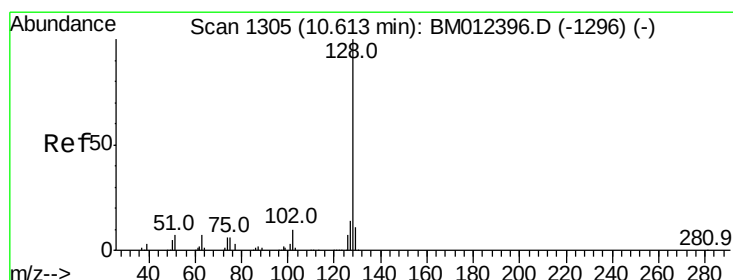
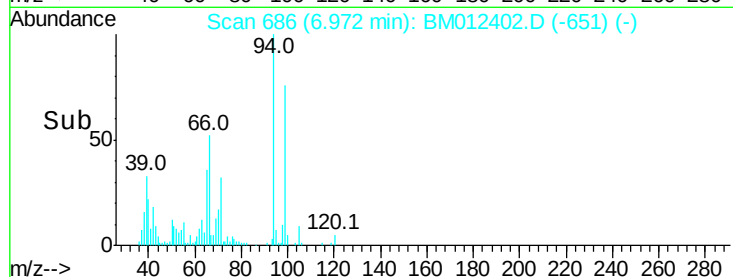
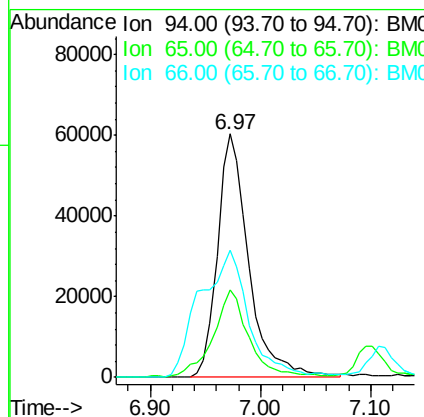
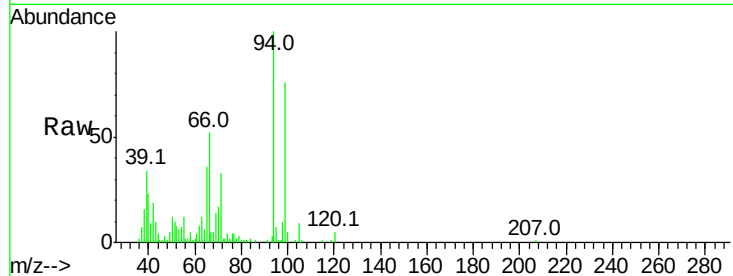
ClientSampled :

B0CN1

Tot Ion:	94	Resp:	118715
Ion Ratio	Lower	Upper	
94	100		
65	35.8	24.4	36.6
66	52.1	35.0	52.4

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#28

Naphthalene

Concen: 4.690 ng/ul

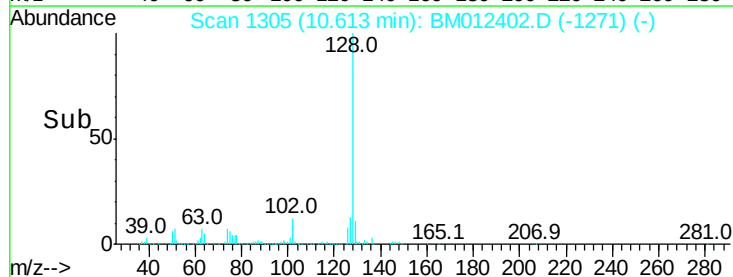
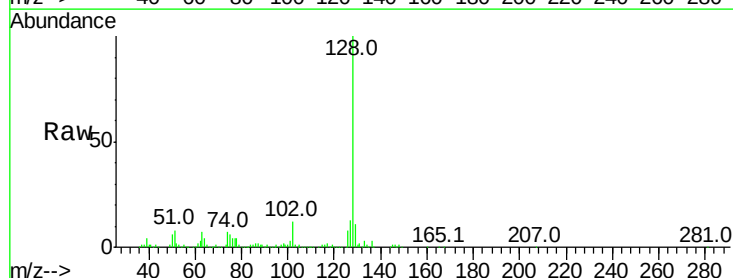
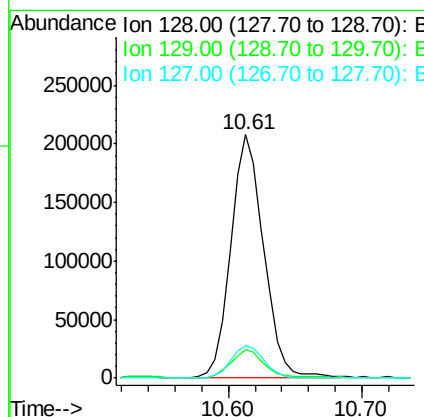
RT: 10.61 min Scan# 1305

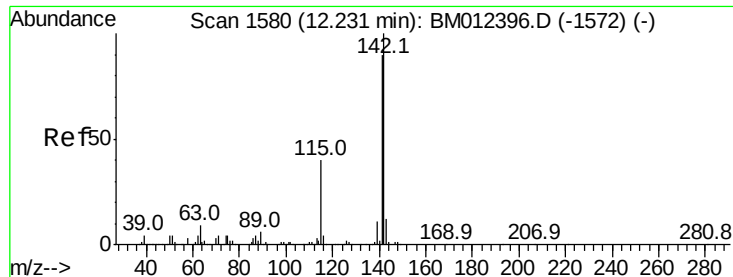
Delta R.T. -0.00 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Tgt Ion:	128	Resp:	353604
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.2	13.8
127	13.3	11.4	17.0





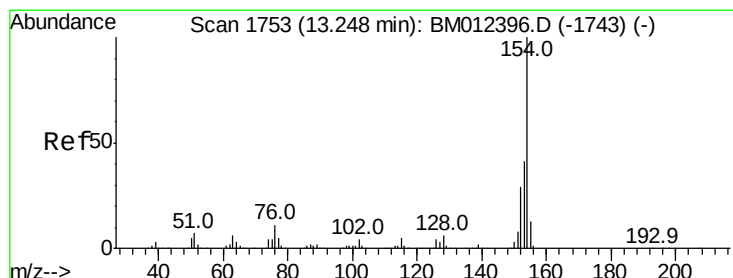
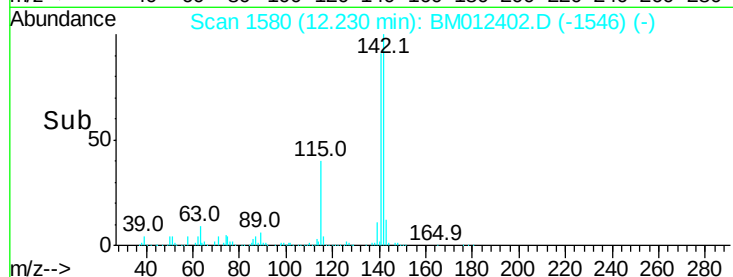
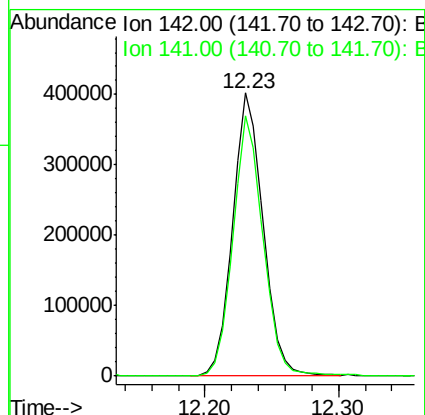
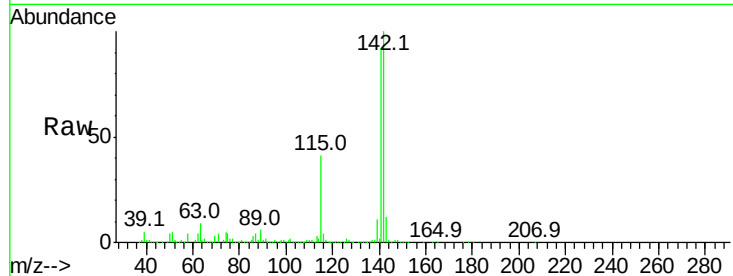
#34
2-Methylnaphthalene
Concen: 11.213 ng/ul
RT: 12.23 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM012402.D
Acq: 22 Oct 2017 18:22

Instrument :
BNA_M
ClientSampled :
B0CN1

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.6	110.4

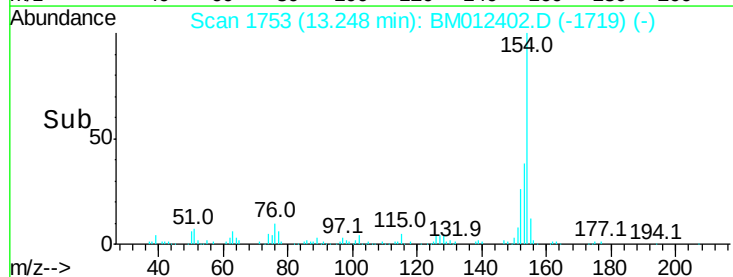
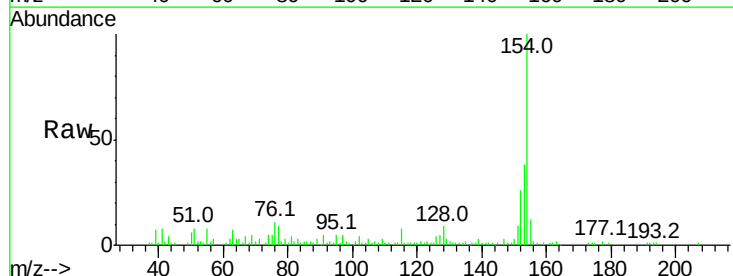
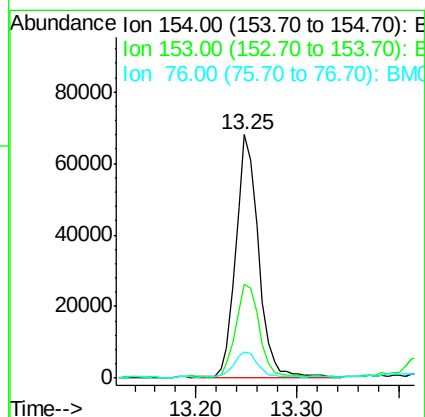
Manual Integrations
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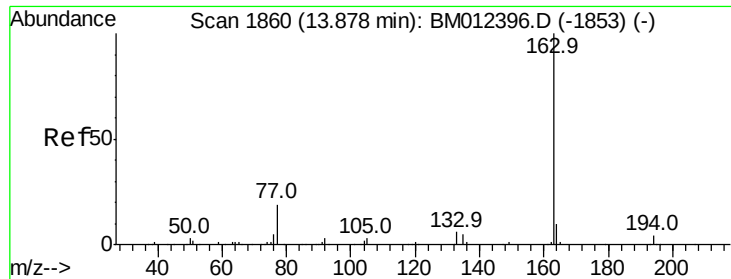
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#40
1,1'-Biphenyl
Concen: 1.519 ng/ul
RT: 13.25 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BM012402.D
Acq: 22 Oct 2017 18:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.5	33.0	49.4
76	10.8	8.2	12.4





#44

Dimethylphthalate

Concen: 6.715 ng/ul

RT: 13.88 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Instrument :

BNA_M

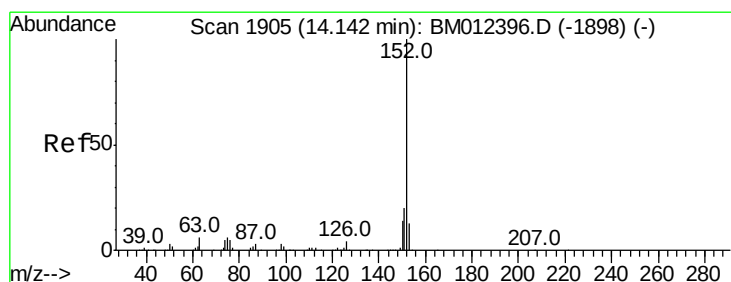
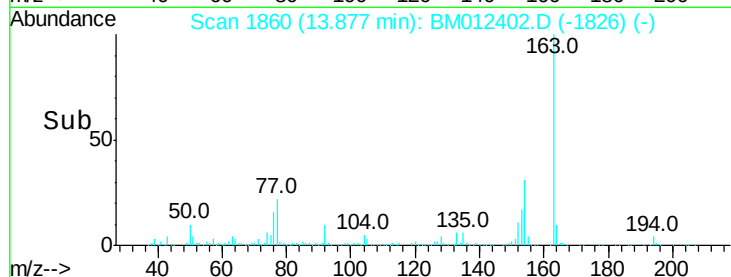
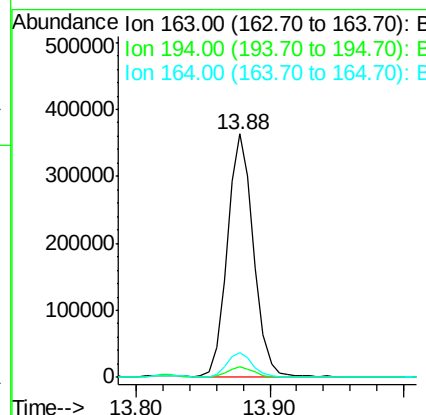
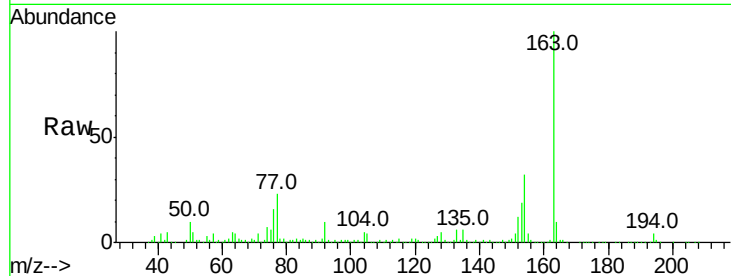
ClientSampled :

B0CN1

Tot Ion:	163	Resp:	495845
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.7	5.5
164	10.3	8.1	12.1

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#47

Acenaphthylene

Concen: 14.743 ng/ul

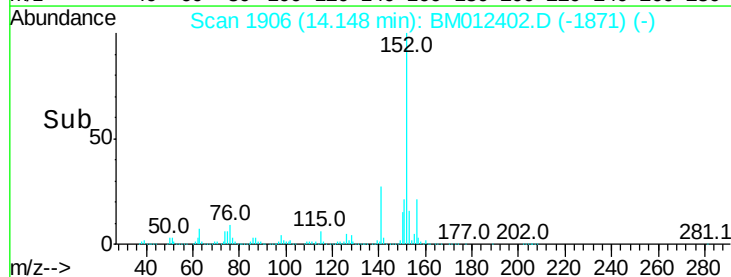
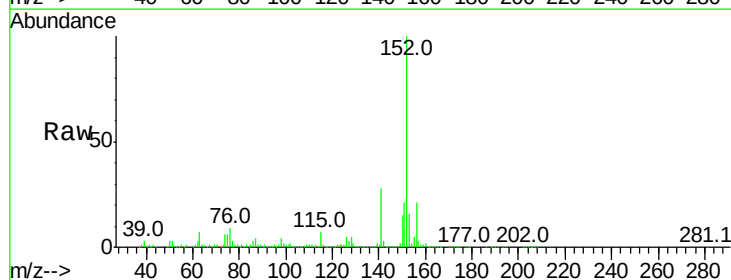
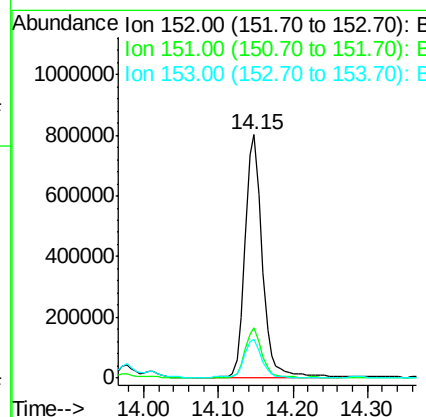
RT: 14.15 min Scan# 1906

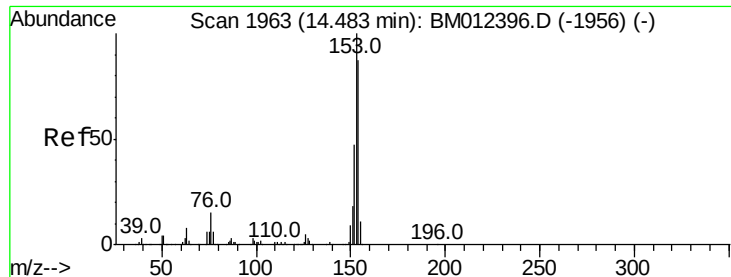
Delta R.T. 0.01 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Tgt Ion:	152	Resp:	1291566
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.3	22.9
153	16.0	10.4	15.6#





#49

Acenaphthene

Concen: 7.966 ng/ul

RT: 14.49 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Instrument :

BNA_M

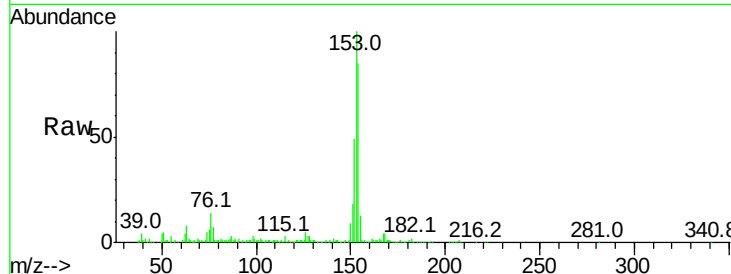
ClientSampled :

B0CN1

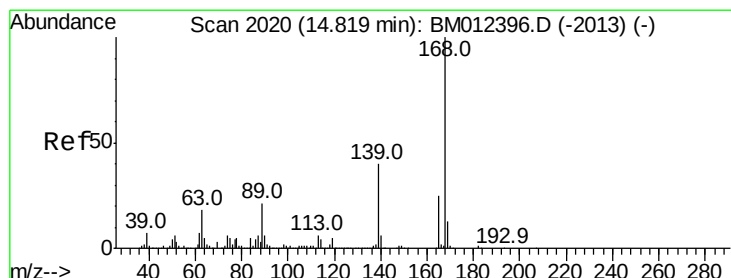
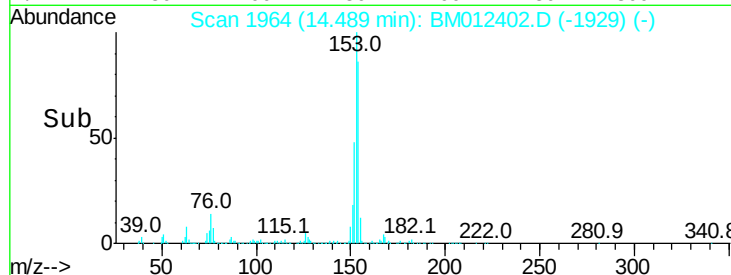
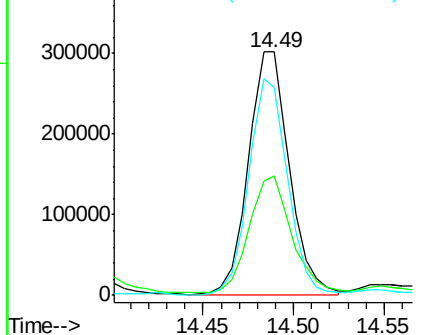
Tot Ion:	153	Resp:	470069
Ion Ratio	Lower	Upper	
153	100		
152	49.2	37.4	56.0
154	85.2	71.1	106.7

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.742 ng/ul

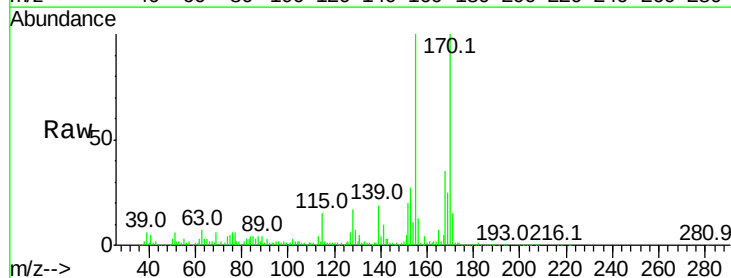
RT: 14.82 min Scan# 2021

Delta R.T. 0.01 min

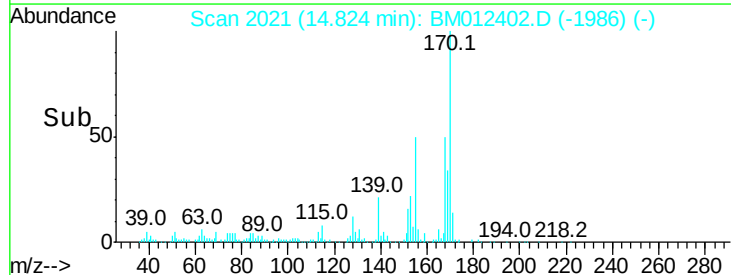
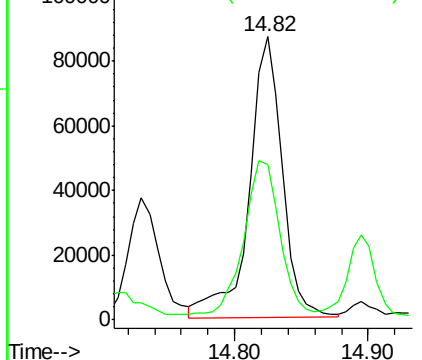
Lab File: BM012402.D

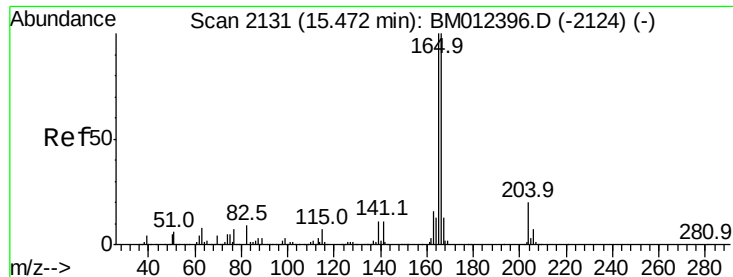
Acq: 22 Oct 2017 18:22

Tgt Ion:	168	Resp:	147984
Ion Ratio	Lower	Upper	
168	100		
139	55.0	30.2	45.2#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





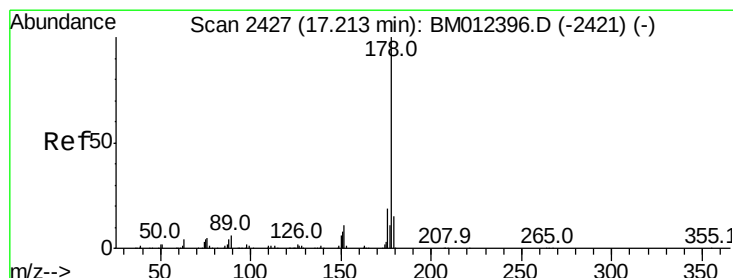
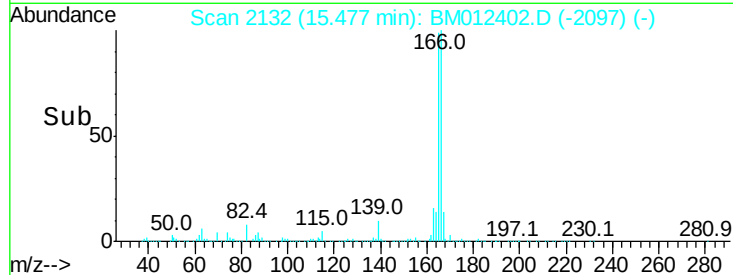
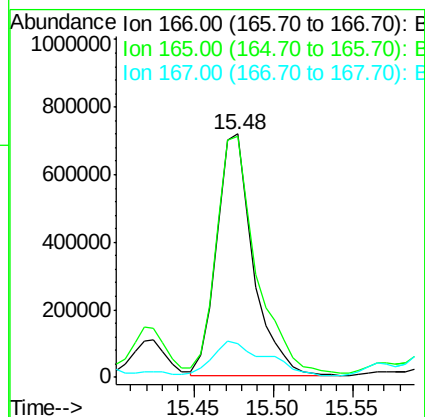
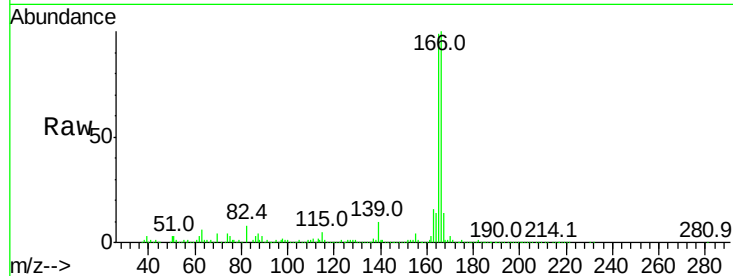
#58
 Fluorene
 Concen: 16.087 ng/ul
 RT: 15.48 min Scan# 2132
 Delta R.T. 0.01 min
 Lab File: BM012402.D
 Acq: 22 Oct 2017 18:22

Instrument :
 BNA_M
 ClientSampleID :
 B0CN1

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.0	118.6
167	14.1	10.8	16.2

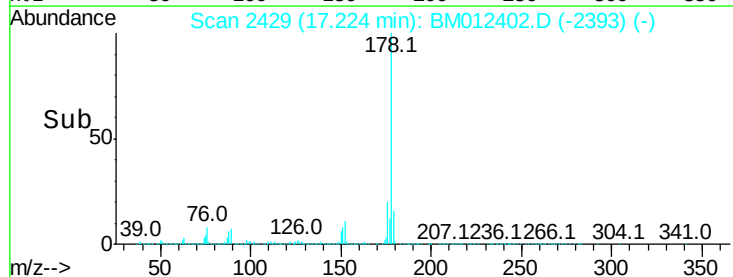
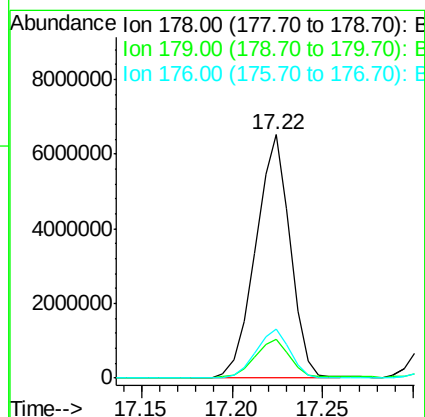
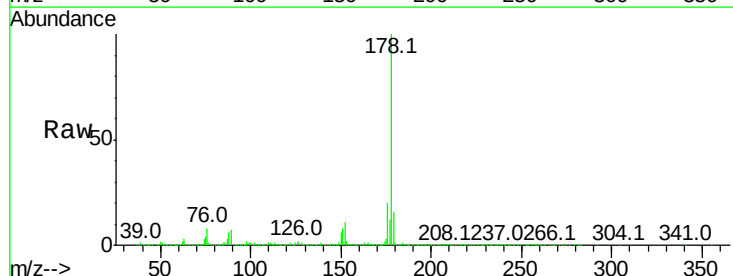
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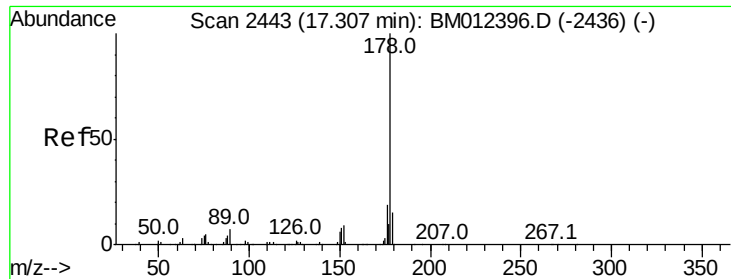
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#69
 Phenanthrene
 Concen: 96.504 ng/ul
 RT: 17.22 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BM012402.D
 Acq: 22 Oct 2017 18:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.0	18.0
176	20.3	15.0	22.6





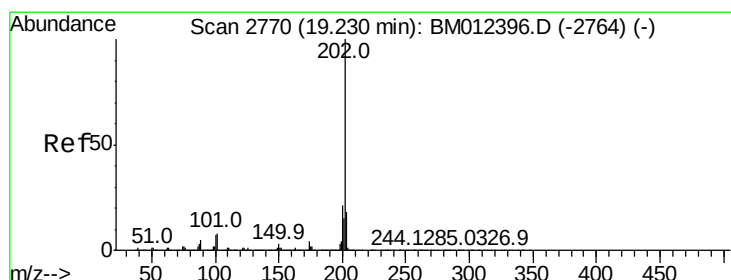
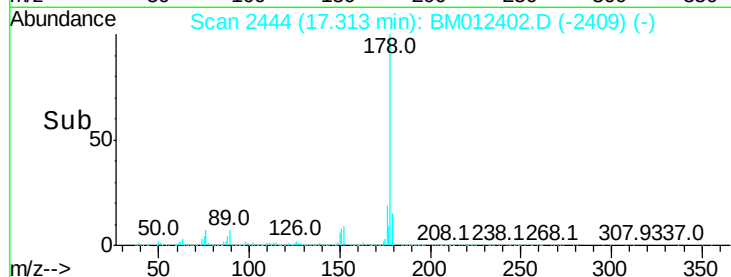
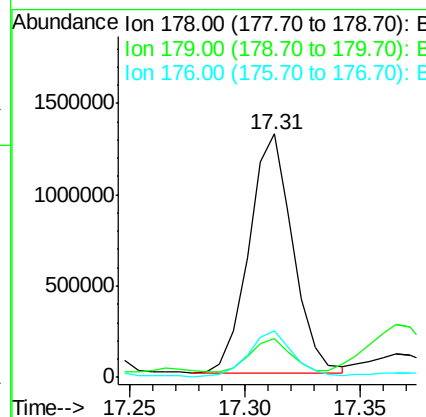
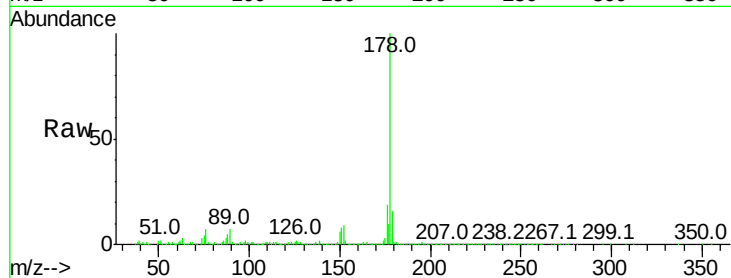
#71
 Anthracene
 Concen: 18.757 ng/ul
 RT: 17.31 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM012402.D
 Acq: 22 Oct 2017 18:22

Instrument :
 BNA_M
 ClientSampleId :
 B0CN1

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.4
176	18.9	14.7	22.1

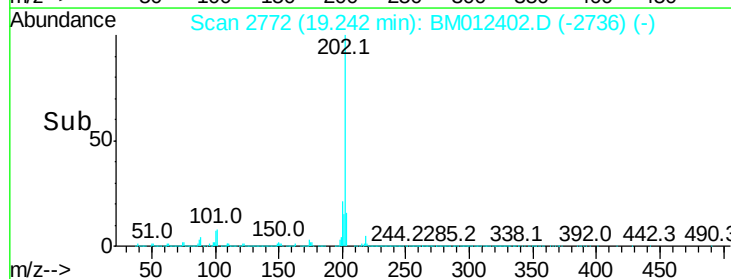
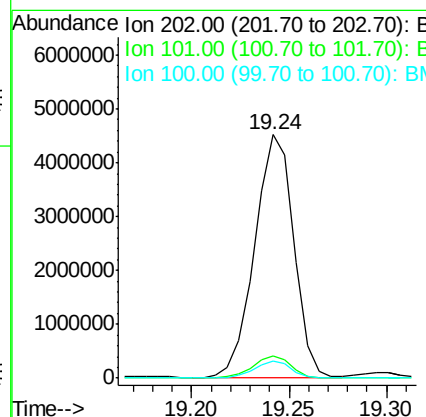
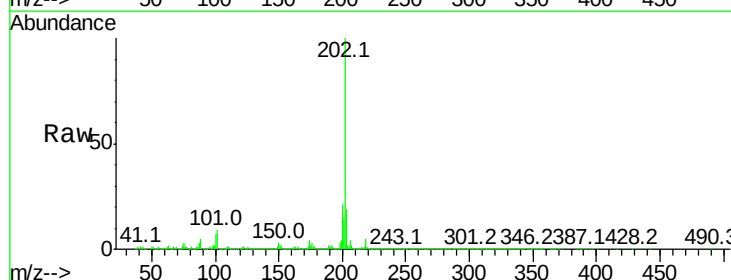
Manual Integrations
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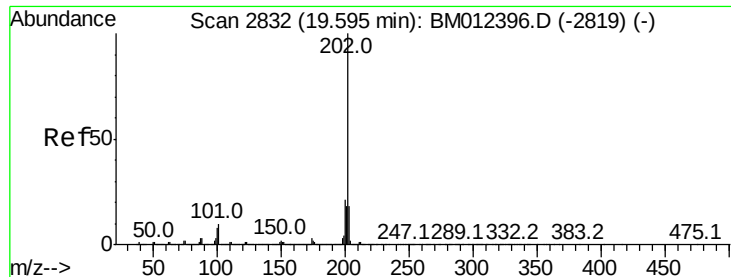
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#74
 Fluoranthene
 Concen: 57.809 ng/ul
 RT: 19.24 min Scan# 2772
 Delta R.T. 0.01 min
 Lab File: BM012402.D
 Acq: 22 Oct 2017 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	5.8	8.6#
100	7.0	4.3	6.5#





#77

Pvrene

Concen: 112.667 ng/ul

RT: 19.61 min Scan# 2835

Delta R.T. 0.02 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Instrument :

BNA_M

ClientSampled :

B0CN1

Tot Ion:202 Resp:10283413

Ion Ratio Lower Upper

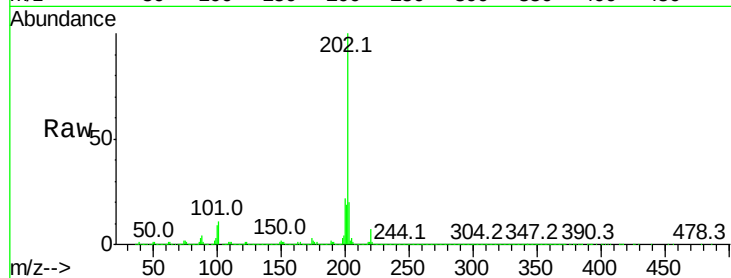
202 100

101 11.3 6.5 9.7#

100 9.2 5.6 8.4#

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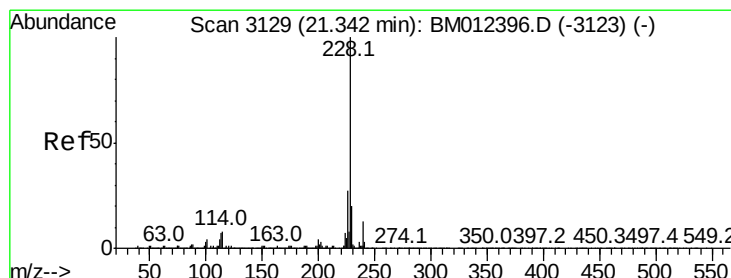
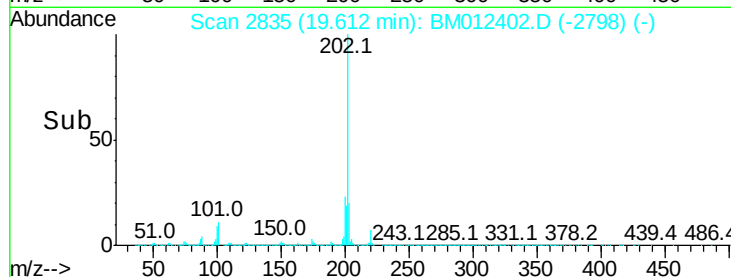
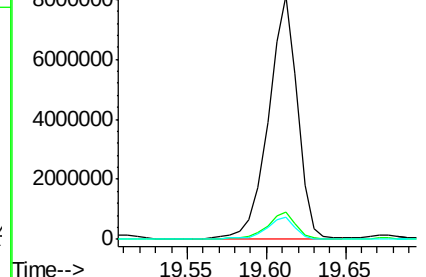
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 42.406 ng/ul

RT: 21.35 min Scan# 3131

Delta R.T. 0.01 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Tgt Ion:228 Resp: 3813538

Ion Ratio Lower Upper

228 100

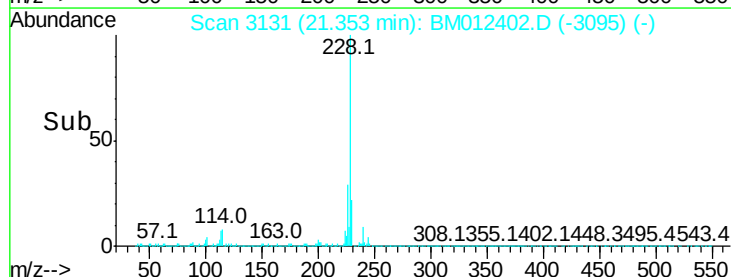
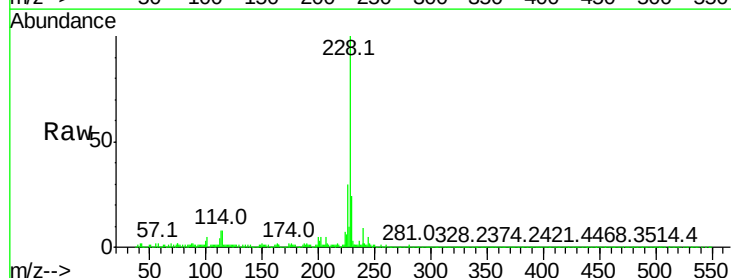
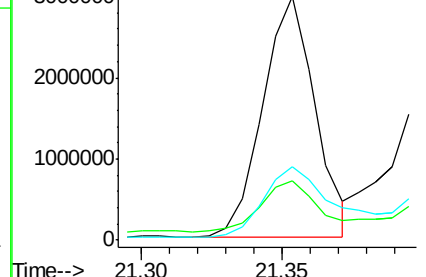
229 24.5 15.8 23.8#

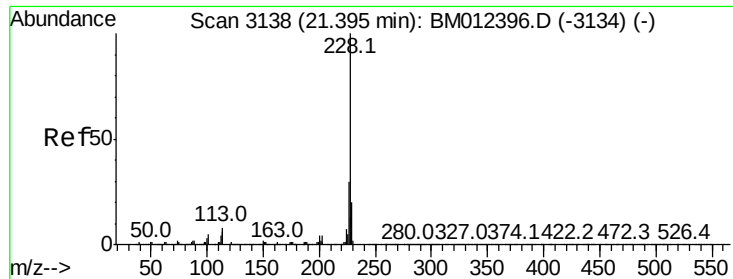
226 30.1 21.4 32.2

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





#82

Chrysene

Concen: 50.890 ng/ul

RT: 21.41 min Scan# 3140

Delta R.T. 0.01 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Instrument :

BNA_M

ClientSampled :

B0CN1

Tot Ion:228 Resp: 4296731

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.0	36.0
229	23.2	15.5	23.3

228 100

226 32.5 24.0 36.0

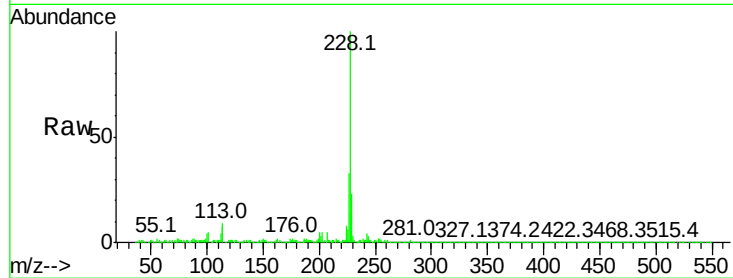
229 23.2 15.5 23.3

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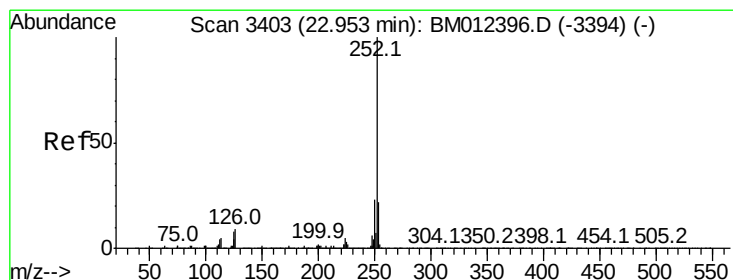
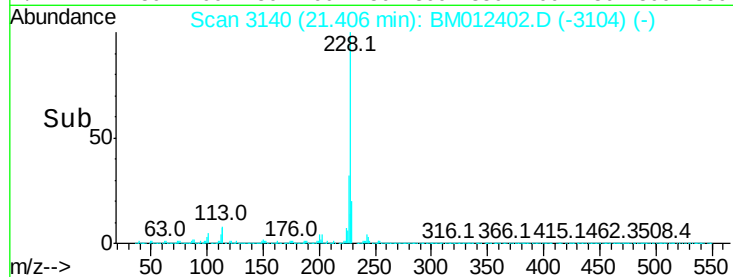
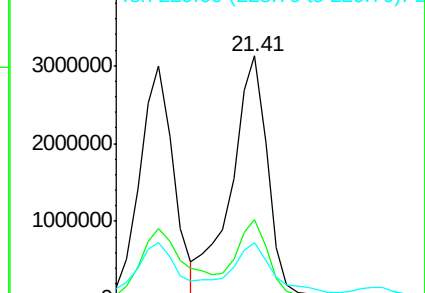


Abundance

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



#85

Benzo(b)fluoranthene

Concen: 35.163 ng/ul m

RT: 22.98 min Scan# 3408

Delta R.T. 0.03 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

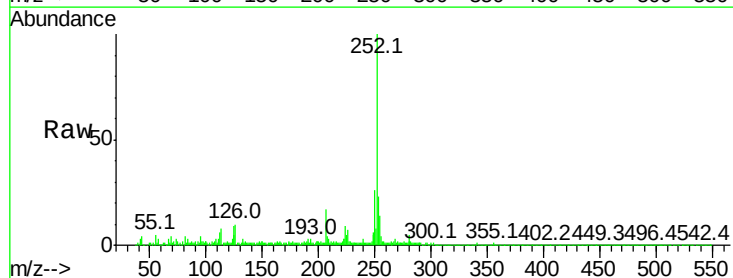
Tgt Ion:252 Resp: 3321463

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	9.2	5.1	7.7#

252 100

253 23.1 17.4 26.2

125 9.2 5.1 7.7#

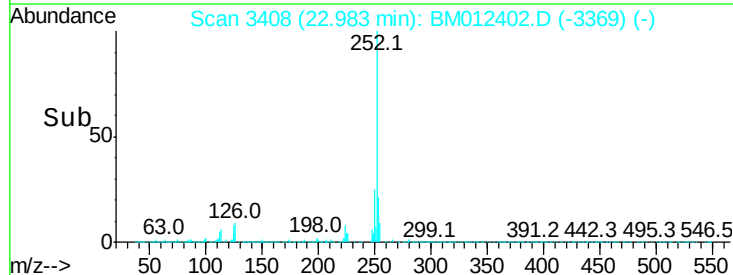
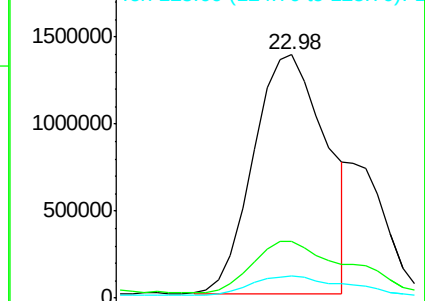


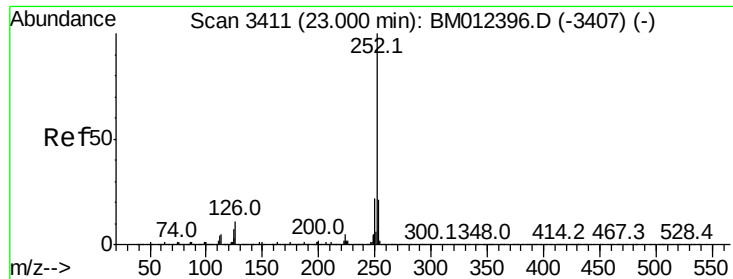
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





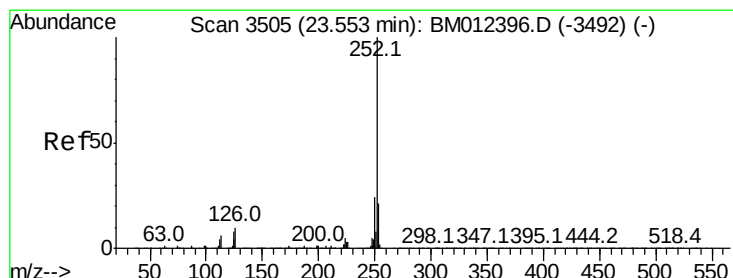
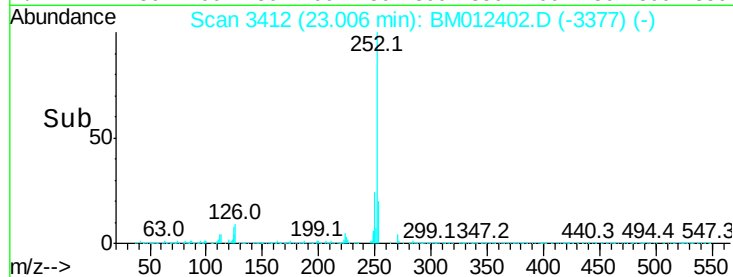
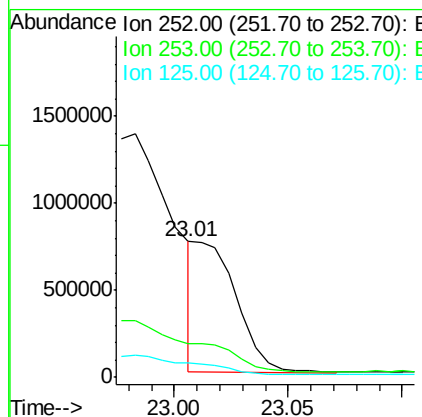
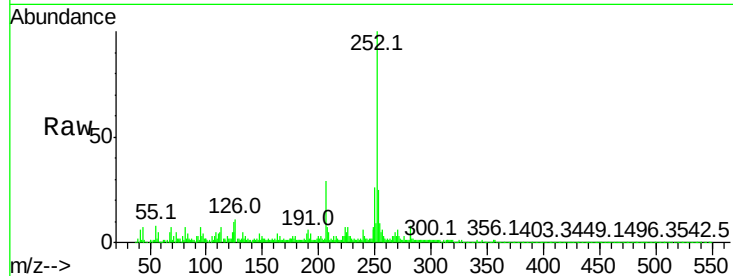
#86
Benzo(k)fluoranthene
Concen: 10.264 ng/ul m
RT: 23.01 min Scan# 3412
Delta R.T. 0.01 min
Lab File: BM012402.D
Acq: 22 Oct 2017 18:22

Instrument :
BNA_M
ClientSampled :
B0CN1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	10.3	4.9	7.3#

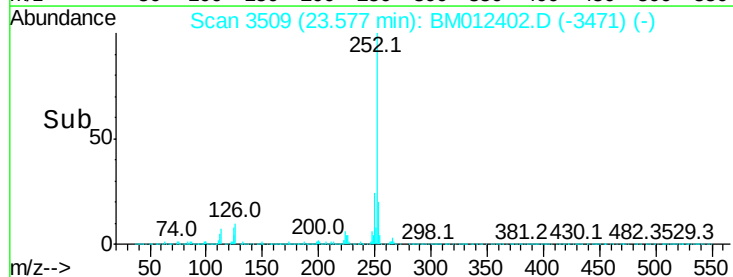
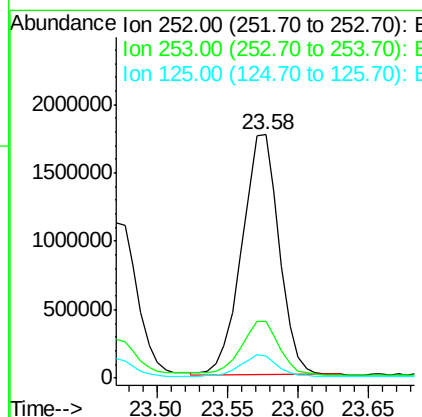
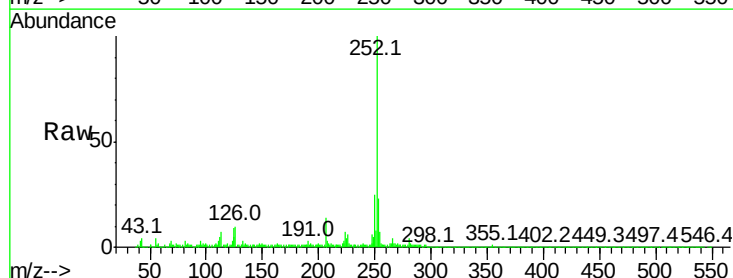
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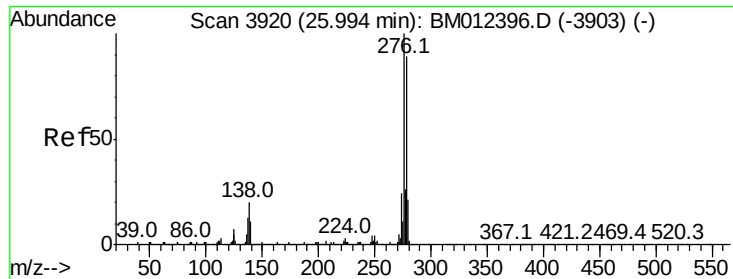
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#88
Benzo(a)pyrene
Concen: 36.341 ng/ul
RT: 23.58 min Scan# 3509
Delta R.T. 0.02 min
Lab File: BM012402.D
Acq: 22 Oct 2017 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	8.9	5.2	7.8#





#89

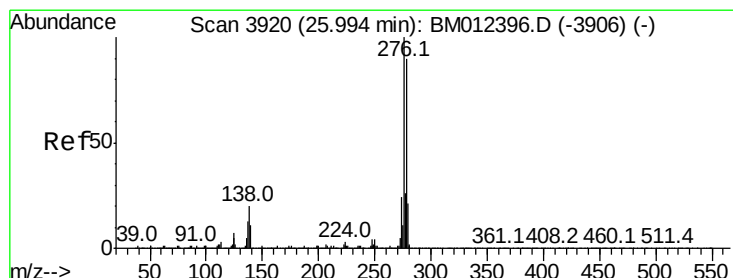
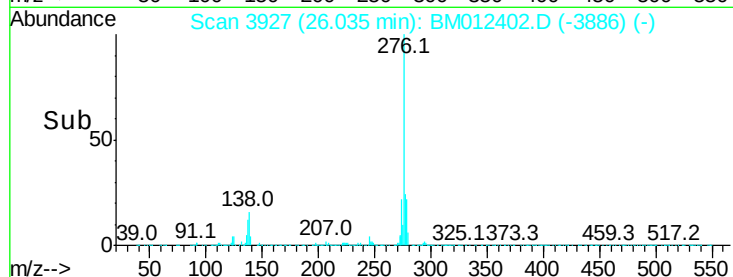
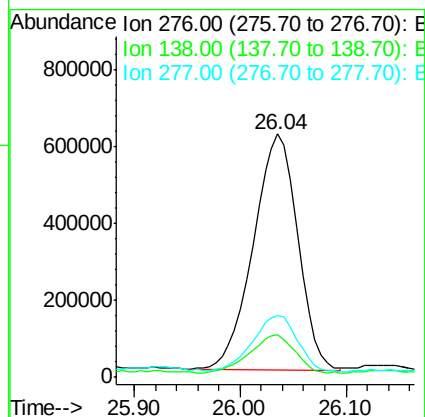
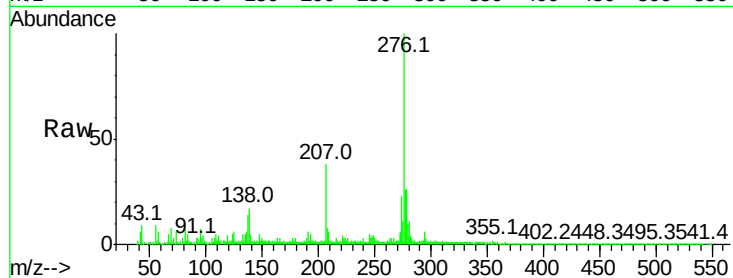
Indeno(1,2,3-cd)pyrene
Concen: 18.826 ng/ul
RT: 26.04 min Scan# 3927
Delta R.T. 0.04 min
Lab File: BM012402.D
Acq: 22 Oct 2017 18:22

Instrument :
BNA_M
ClientSampled :
B0CN1

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.4	13.2	19.8
277	25.6	20.6	31.0

Manual Integrations
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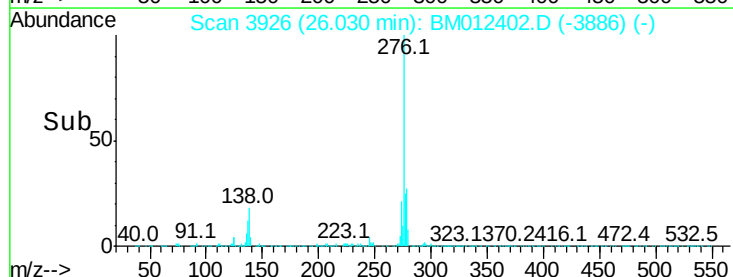
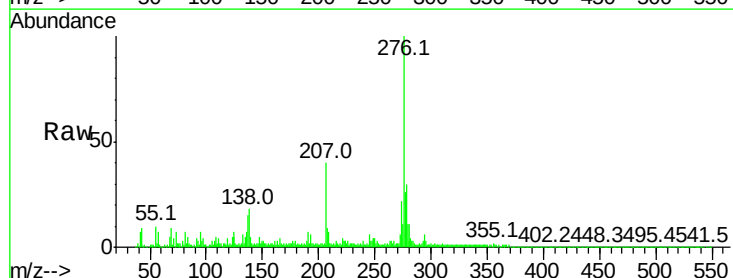
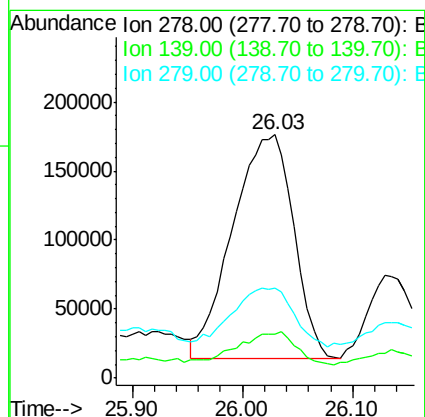
Sohil
10/24/2017 10:20:10 AM

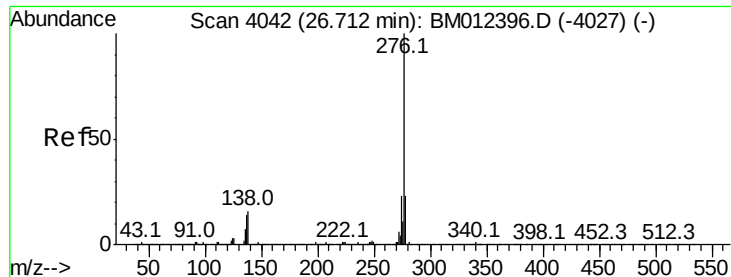


#90

Dibenzo(a,h)anthracene
Concen: 7.883 ng/ul
RT: 26.03 min Scan# 3926
Delta R.T. 0.04 min
Lab File: BM012402.D
Acq: 22 Oct 2017 18:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	8.3	12.5#
279	37.1	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 21.855 ng/ul

RT: 26.76 min Scan# 4051

Delta R.T. 0.05 min

Lab File: BM012402.D

Acq: 22 Oct 2017 18:22

Instrument :

BNA_M

ClientSampleId :

B0CN1

Tot Ion:276 Resp: 1692304

Ion Ratio Lower Upper

276 100

138 17.5 10.7 16.1#

277 25.8 19.0 28.4

Manual Integrations

APPROVED

Sohil

10/24/2017 10:20:10 AM

