

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012718\
 Data File : BM013915.D
 Acq On : 28 Jan 2018 10:19
 Operator : SJ/JU
 Sample : J1223-10ME
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6A76ME

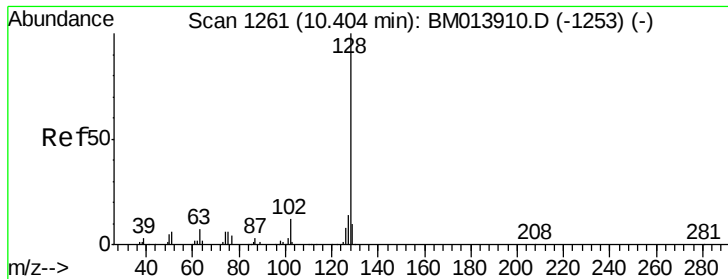
Manual Integrations
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Sohil
 1/29/2018 6:04:47 PM

Quant Time: Jan 29 03:39:42 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 03:14:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	108608	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	434328	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	271830	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	599282	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	653813	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	685715	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.15	96	8552	3.11	ng/uL	0.00
5) Phenol-d5	6.77	99	163887	19.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	109733	21.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	139834	20.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	130073	20.29	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	74095	21.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	80342	22.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	144188	20.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	154709	25.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	451618	20.16	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	583477	20.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	48001	13.18	ng/ul	0.01
57) Fluorene-d10	15.23	176	410107	20.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	49867	13.82	ng/ul	0.00
70) Anthracene-d10	17.09	188	630244	21.59	ng/ul	0.00
76) Pyrene-d10	19.39	212	722989	23.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	738523	23.43	ng/ul	0.00
Target Compounds				Ovalue		
28) Naphthalene	10.40	128	2973271	137.602	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	1705820	105.886	ng/ul	94
40) 1,1'-Biphenyl	13.06	154	641264	28.341	ng/ul	97
44) Dimethylphthalate	13.70	163	47495	2.156	ng/ul	98
49) Acenaphthene	14.30	153	2500037	138.096	ng/ul	98
53) Dibenzofuran	14.64	168	2270564	83.370	ng/ul	100
58) Fluorene	15.29	166	1867515	83.710	ng/ul	98
64) N-Nitrosodiphenylamine	15.50	169	37628	2.135	ng/ul#	86
68) Pentachlorophenol	16.64	266	453451	112.000	ng/ul	98
69) Phenanthrene	17.04	178	8642088	259.431	ng/ul	99
71) Anthracene	17.12	178	1094587	31.857	ng/ul	99
72) Carbazole	17.40	167	250369	8.828	ng/ul	99
74) Fluoranthene	19.06	202	4778210	120.166	ng/ul#	96
77) Pyrene	19.42	202	3240990	81.540	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	553252	14.004	ng/ul	98
82) Chrysene	21.23	228	449251	12.396	ng/ul	98
85) Benzo(b)fluoranthene	22.72	252	204413	4.854	ng/ul#	97
86) Benzo(k)fluoranthene	22.76	252	81824m	2.010	ng/ul	
88) Benzo(a)pyrene	23.28	252	111058	2.792	ng/ul#	95

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



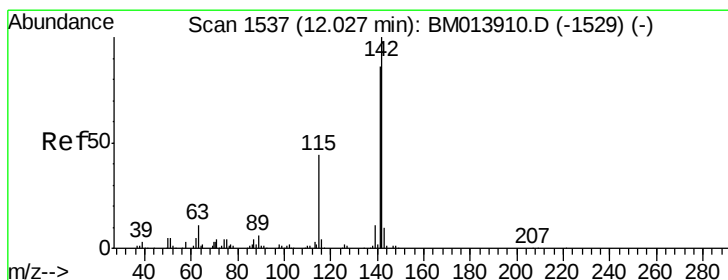
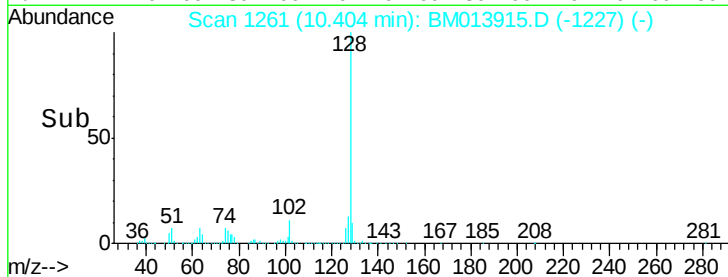
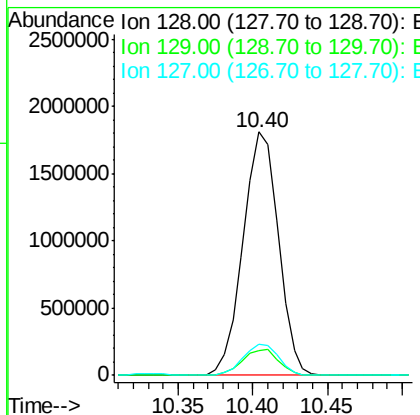
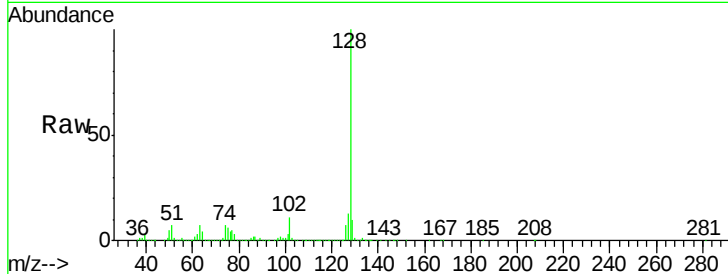
#28
Naphthalene
Concen: 137.602 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BM013915.D
Acq: 28 Jan 2018 10:19

Instrument :
BNA_M
ClientSampleId :
F6A76ME

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	13.0	10.6	16.0

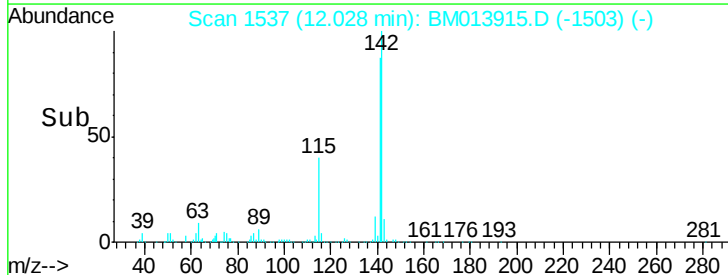
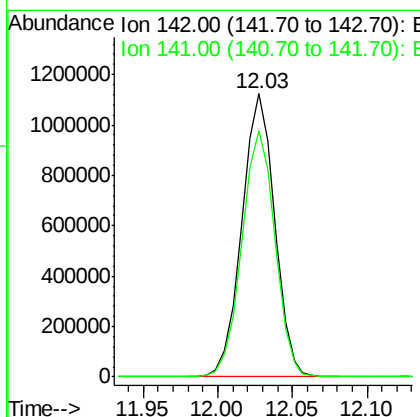
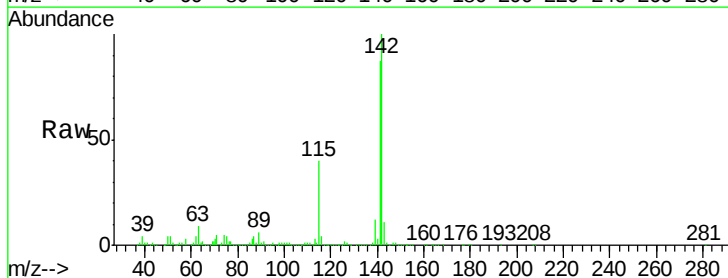
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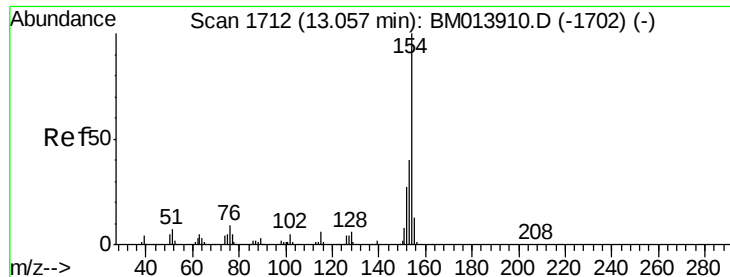
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#34
2-Methylnaphthalene
Concen: 105.886 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BM013915.D
Acq: 28 Jan 2018 10:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.9	74.1	111.1





#40

1,1'-Biphenyl

Concen: 28.341 ng/ul

RT: 13.06 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

Instrument :

BNA_M

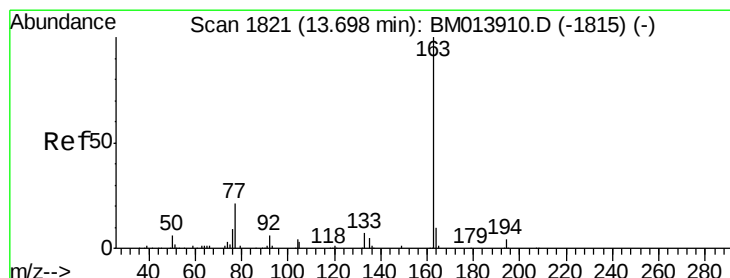
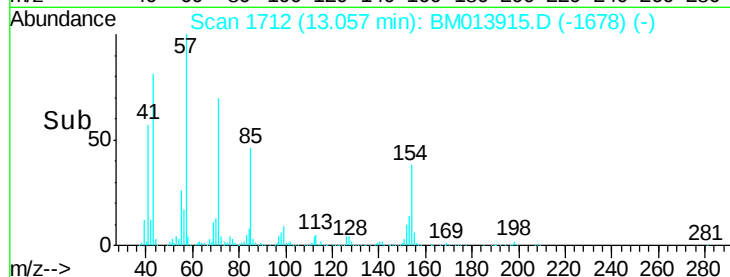
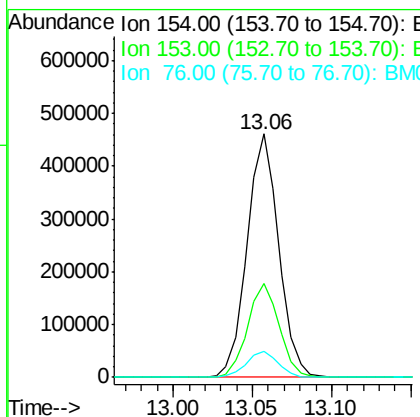
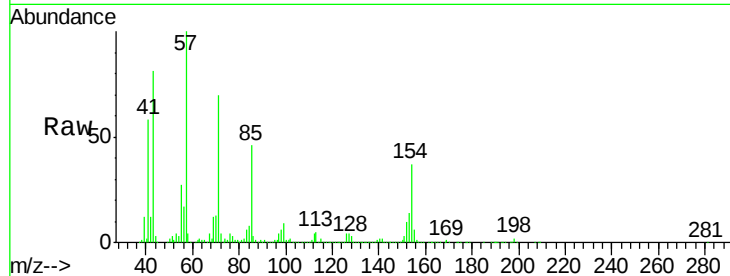
ClientSampleId :

F6A76ME

Tot Ion:	154	Resp:	641264
Ion Ratio	Lower	Upper	
154	100		
153	38.4	32.6	48.8
76	10.9	8.5	12.7

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#44

Dimethylphthalate

Concen: 2.156 ng/ul

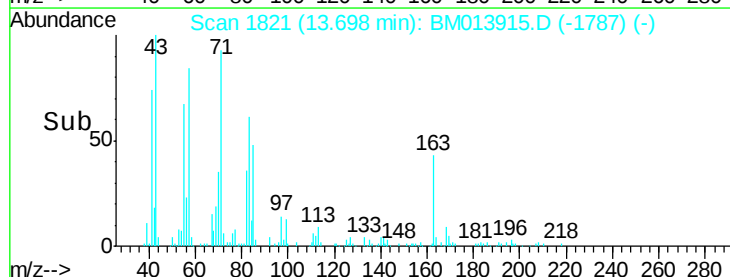
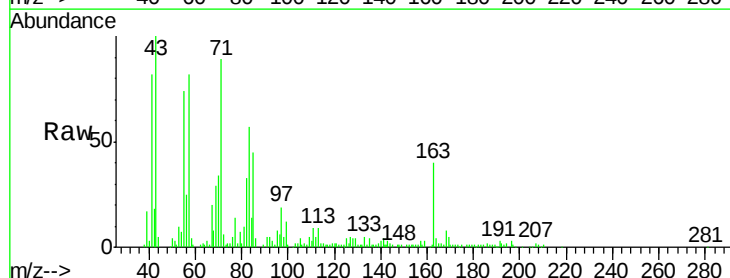
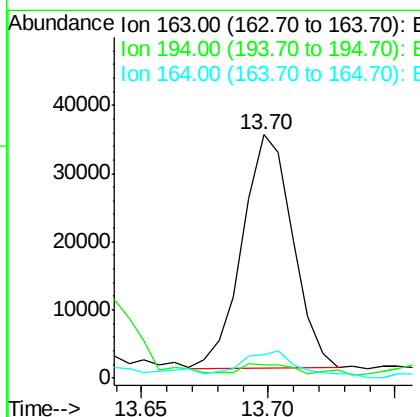
RT: 13.70 min Scan# 1821

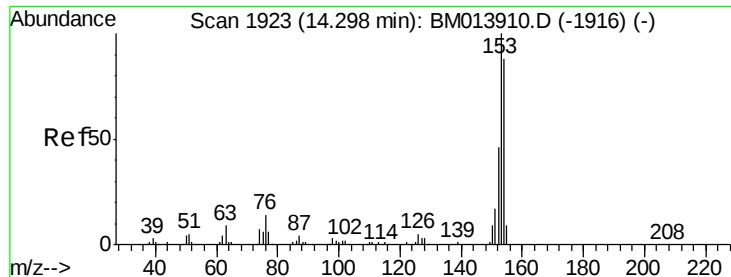
Delta R.T. 0.00 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

Tgt Ion:	163	Resp:	47495
Ion Ratio	Lower	Upper	
163	100		
194	5.3	3.5	5.3
164	9.6	8.2	12.4





#49

Acenaphthene

Concen: 138.096 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

Instrument :

BNA_M

ClientSampleId :

F6A76ME

Tot Ion:153 Resp: 2500037

Ion Ratio Lower Upper

153 100

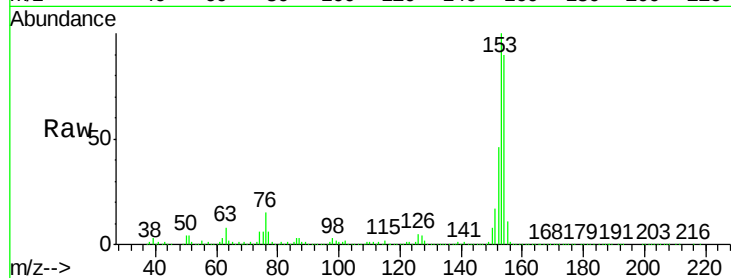
152 46.4 37.6 56.4

154 90.1 70.4 105.6

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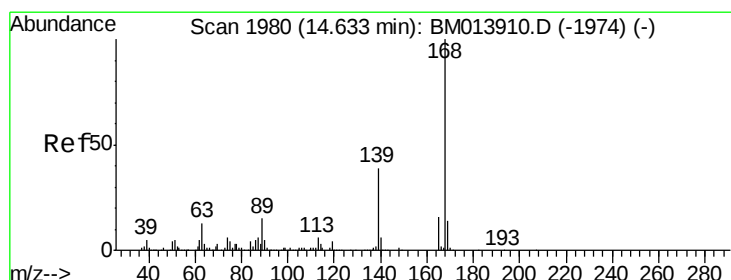
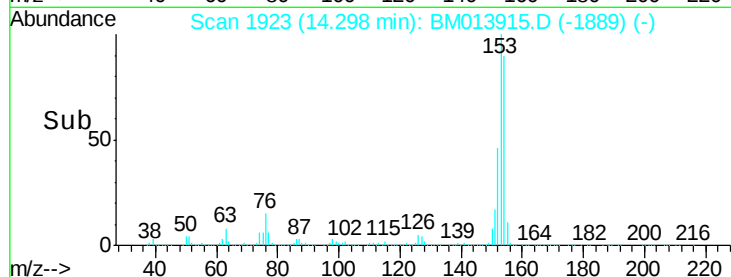
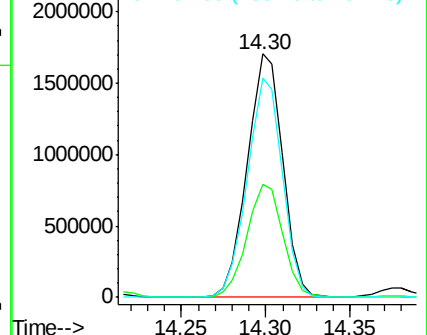
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 83.370 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BM013915.D

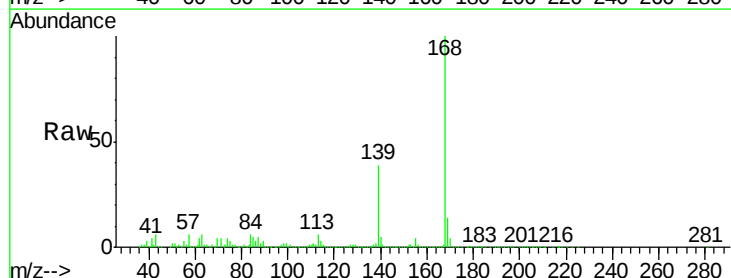
Acq: 28 Jan 2018 10:19

Tgt Ion:168 Resp: 2270564

Ion Ratio Lower Upper

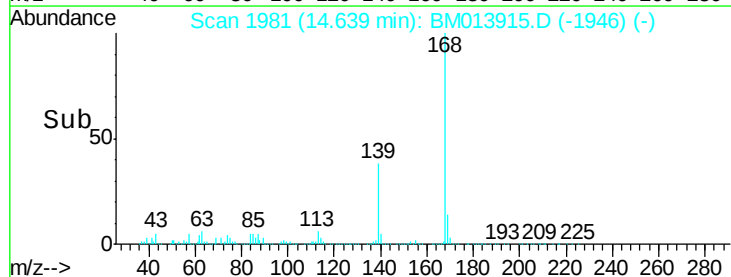
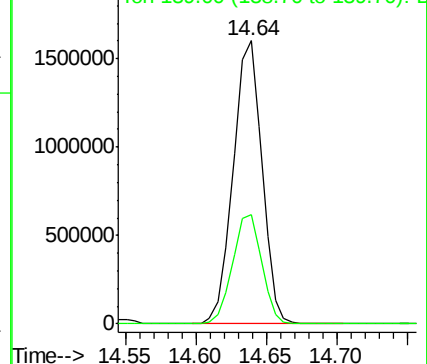
168 100

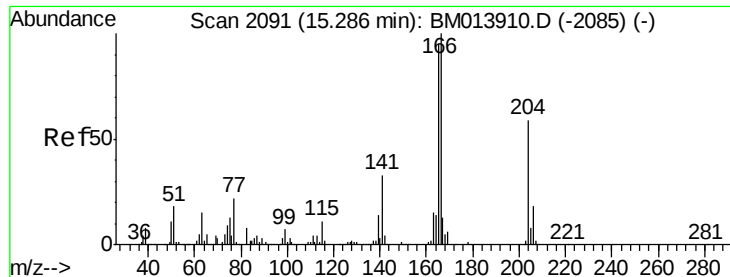
139 38.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 83.710 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

Instrument :

BNA_M

ClientSampleId :

F6A76ME

Tot Ion:166 Resp: 1867515

Ion Ratio Lower Upper

166 100

165 95.5 77.9 116.9

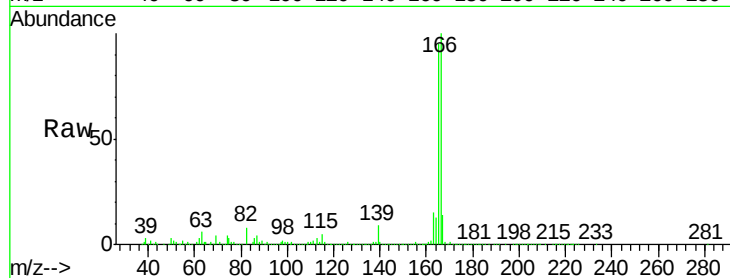
167 13.6 10.6 16.0

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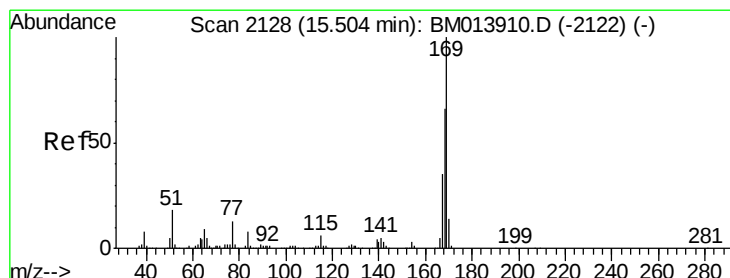
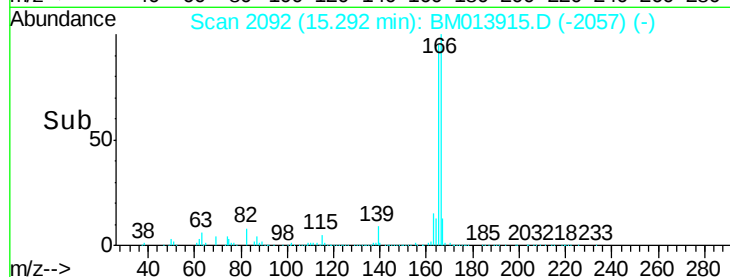
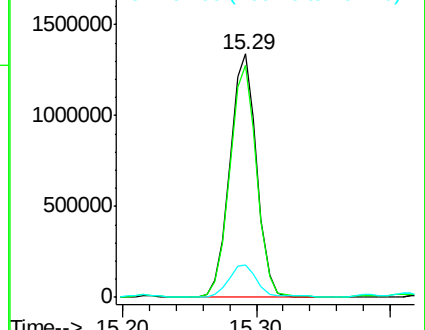
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

N-Nitrosodiphenylamine

Concen: 2.135 ng/ul

RT: 15.50 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

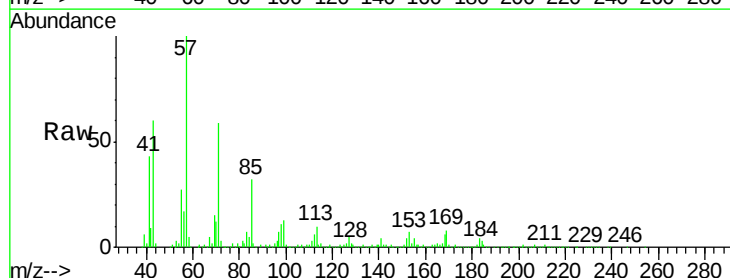
Tgt Ion:169 Resp: 37628

Ion Ratio Lower Upper

169 100

168 81.3 54.0 81.0#

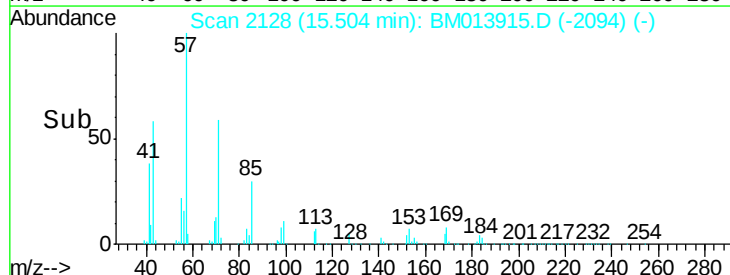
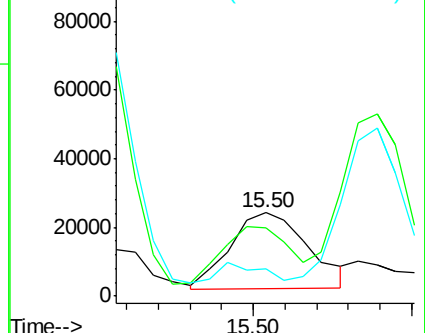
167 32.0 29.1 43.7

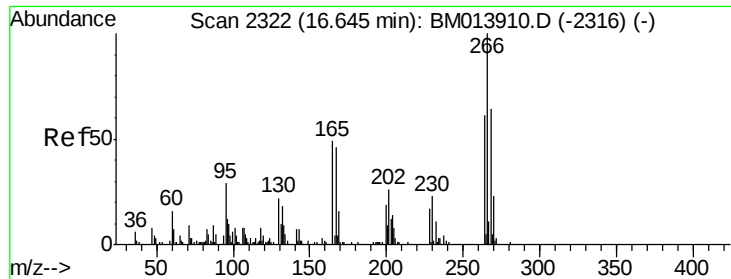


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





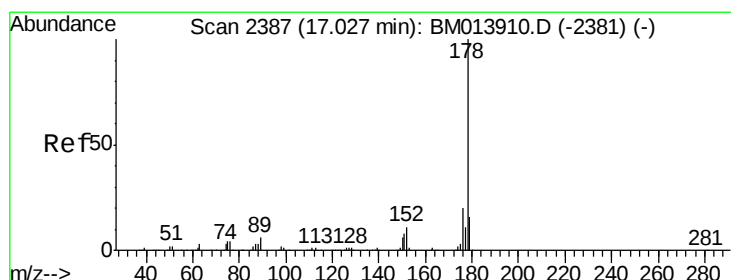
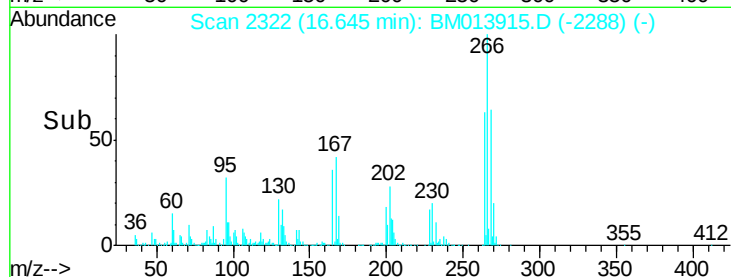
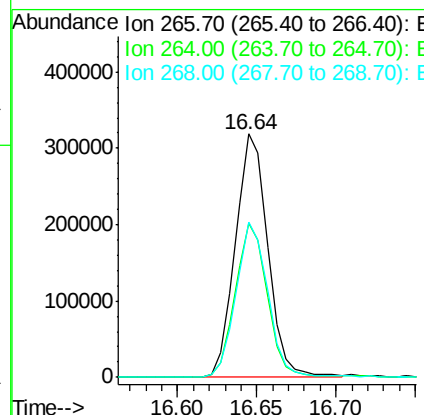
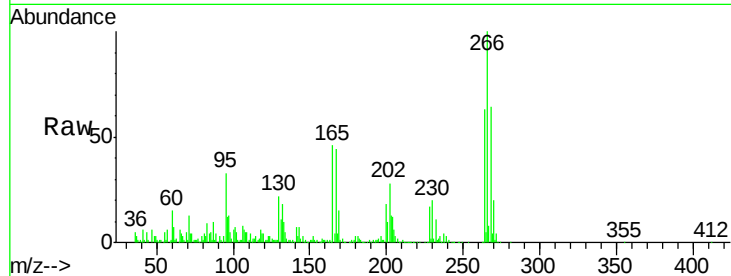
#68
 Pentachlorophenol
 Concen: 112.000 ng/ul
 RT: 16.64 min Scan# 2322
 Delta R.T. 0.00 min
 Lab File: BM013915.D
 Acq: 28 Jan 2018 10:19

Instrument :
 BNA_M
 ClientSampleId :
 F6A76ME

Tot Ion	Ratio	Resp	Lower	Upper
266	100	453451		
264	63.2		49.3	73.9
268	64.0		52.6	78.8

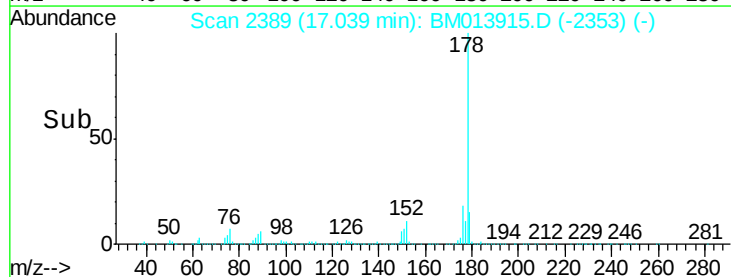
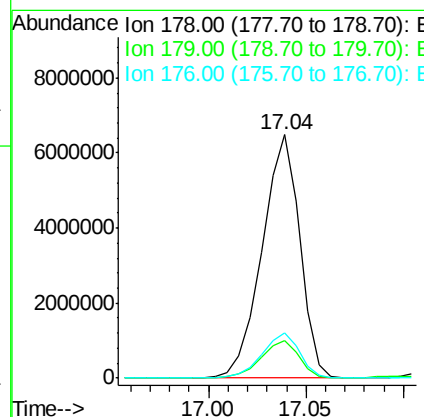
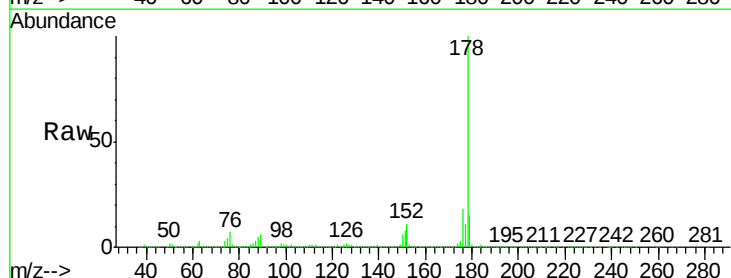
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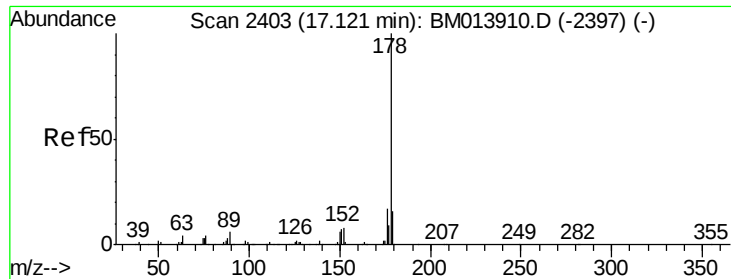
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#69
 Phenanthrene
 Concen: 259.431 ng/ul
 RT: 17.04 min Scan# 2389
 Delta R.T. 0.01 min
 Lab File: BM013915.D
 Acq: 28 Jan 2018 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	8642088		
179	15.3		12.6	19.0
176	18.4		14.9	22.3





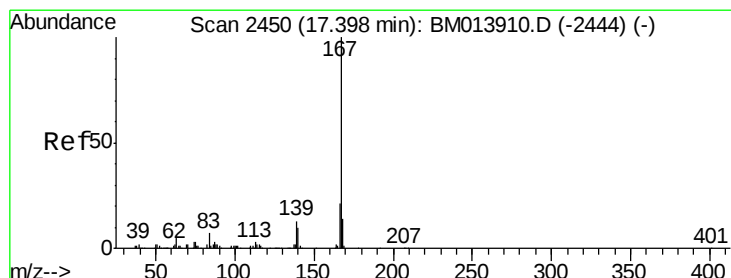
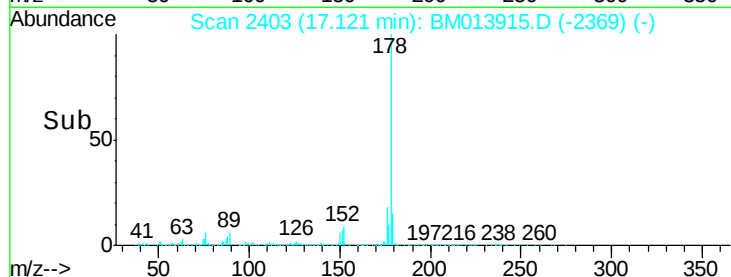
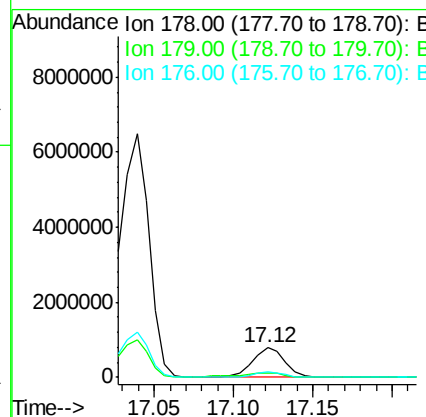
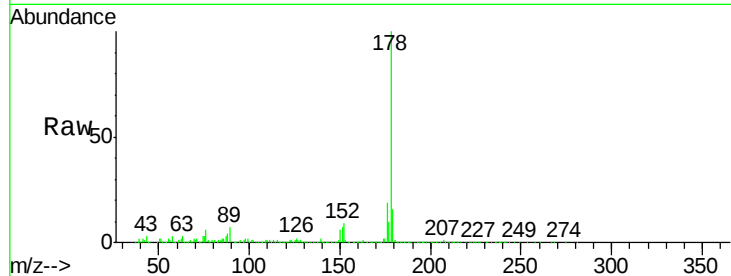
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 Anthracene
 Concen: 31.857 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.00 min
 Lab File: BM013915.D
 Acq: 28 Jan 2018 10:19

Instrument :
 BNA_M
 ClientSampleId :
 F6A76ME

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	18.5	14.6	21.8

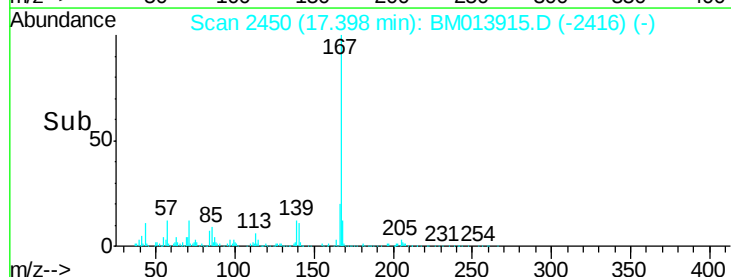
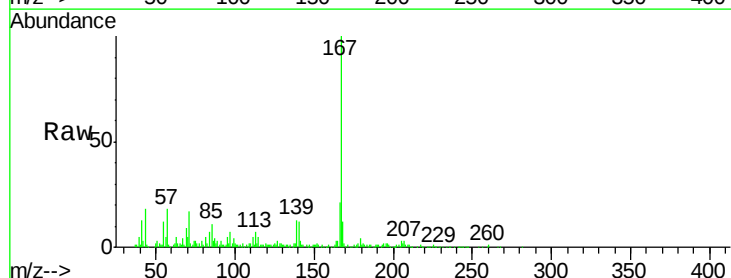
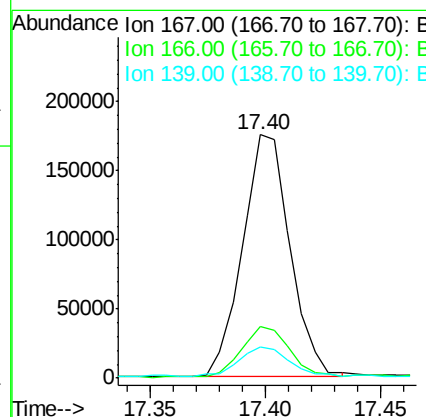
Manual Integrations
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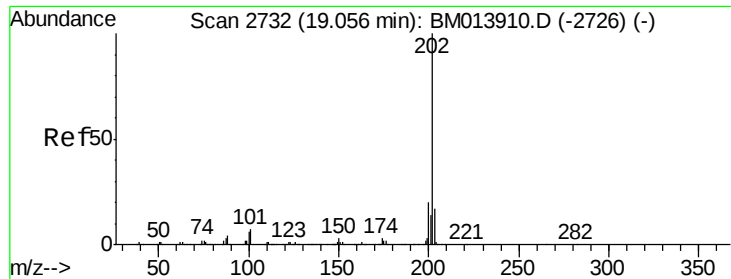
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#72
 Carbazole
 Concen: 8.828 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BM013915.D
 Acq: 28 Jan 2018 10:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.1	25.7
139	12.6	10.0	15.0





#74

Fluoranthene

Concen: 120.166 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

Instrument :

BNA_M

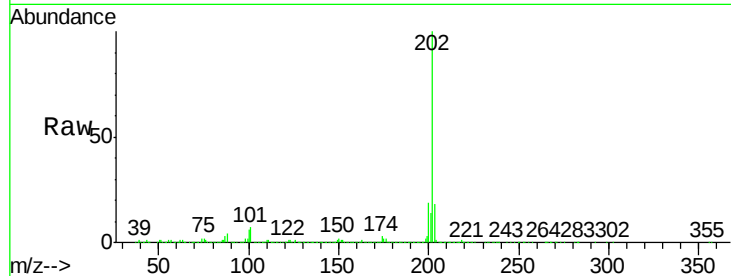
ClientSampleId :

F6A76ME

Tot Ion:	202	Resp:	4778210
Ion	Ratio	Lower	Upper
202	100		
101	7.5	4.6	7.0#
100	5.5	3.4	5.2#

Manual Integrations
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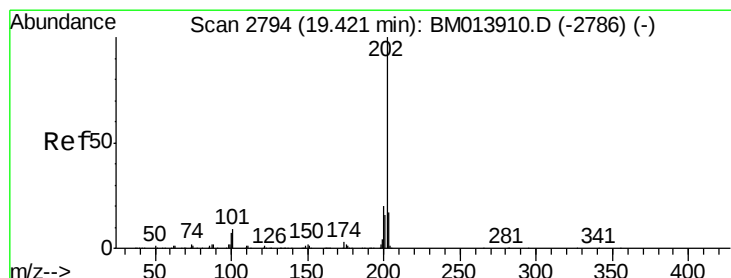
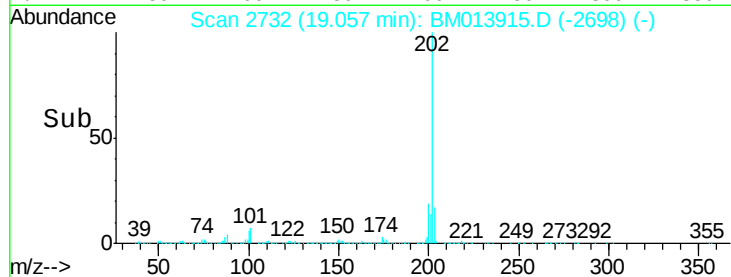
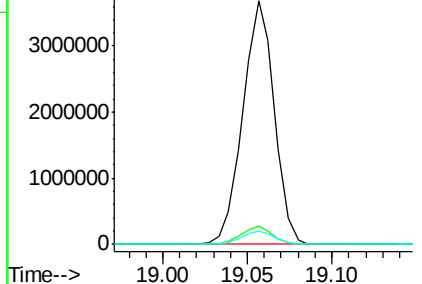
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 81.540 ng/ul

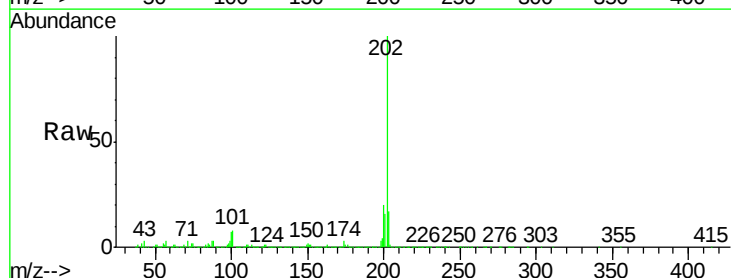
RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

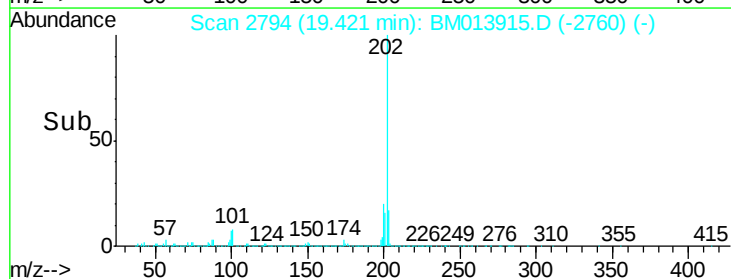
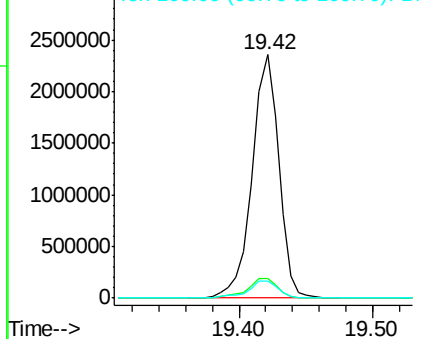
Tgt Ion:	202	Resp:	3240990
Ion	Ratio	Lower	Upper
202	100		
101	8.3	5.1	7.7#
100	7.3	4.9	7.3

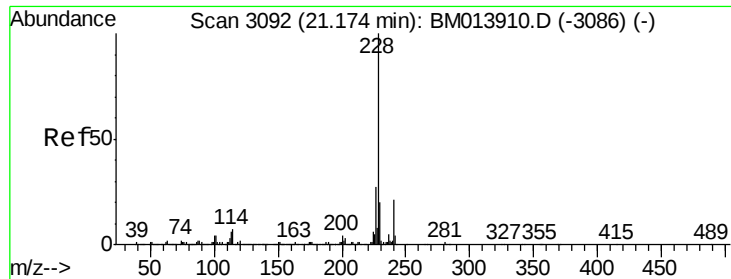


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





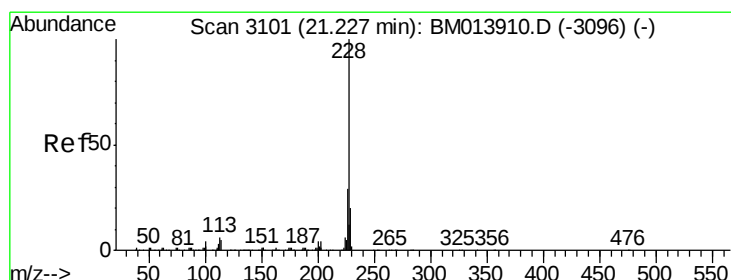
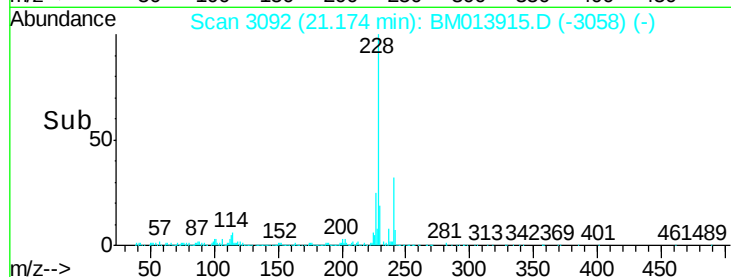
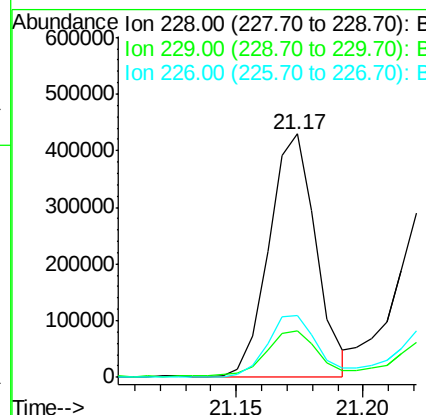
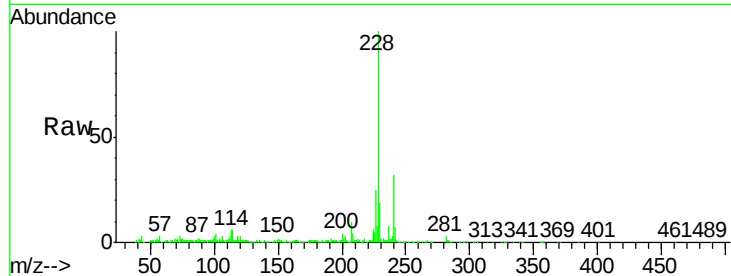
#80
Benzo(a)anthracene
Concen: 14.004 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BM013915.D
Acq: 28 Jan 2018 10:19

Instrument :
BNA_M
ClientSampleId :
F6A76ME

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.2	15.4	23.0
226	25.4	21.4	32.0

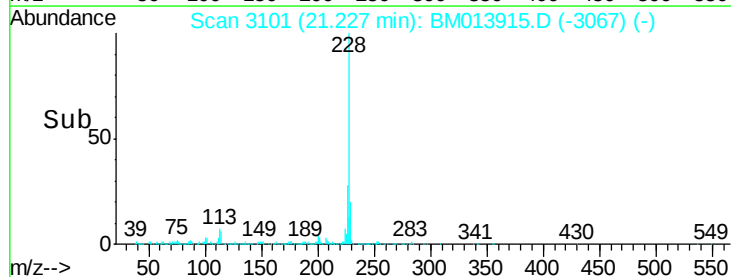
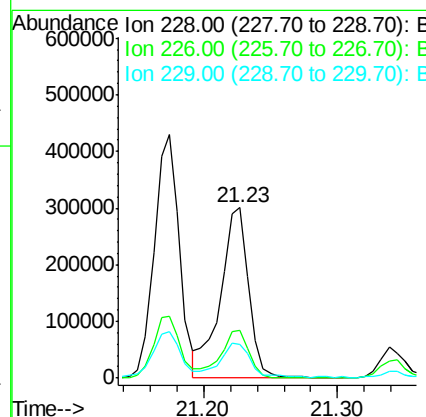
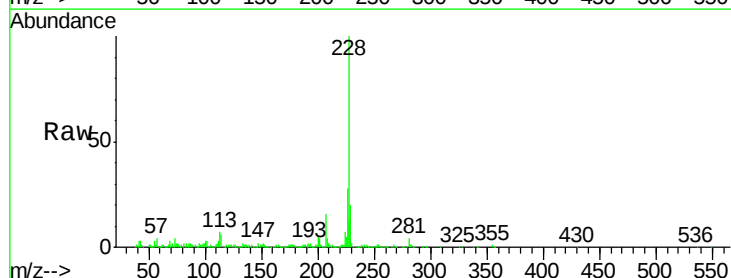
Manual Integrations
APPROVED

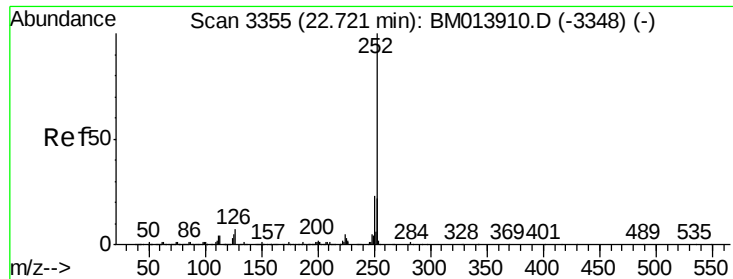
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#82
Chrysene
Concen: 12.396 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. 0.00 min
Lab File: BM013915.D
Acq: 28 Jan 2018 10:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.4	35.2
229	20.1	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 4.854 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

Instrument :

BNA_M

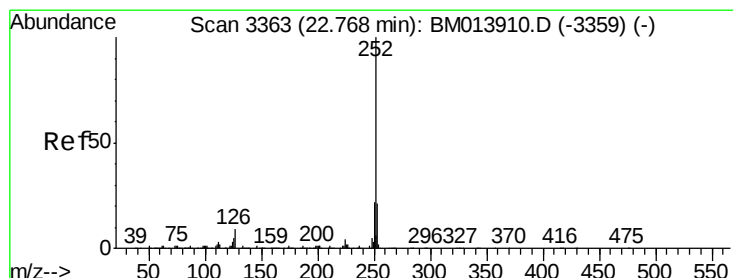
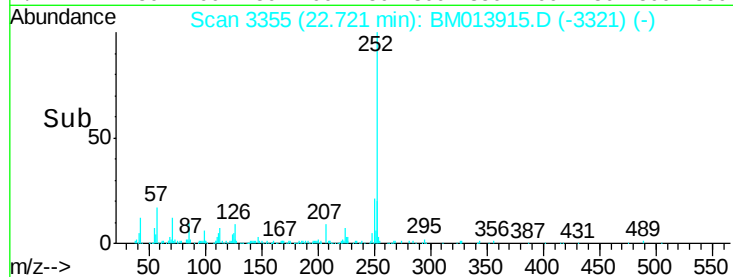
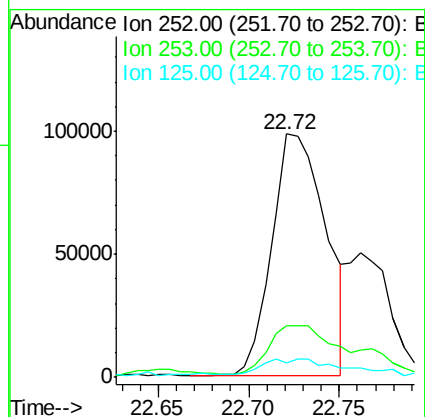
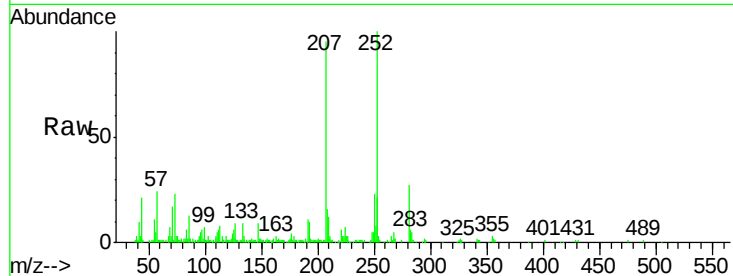
ClientSampled :

F6A76ME

Tot Ion:	252	Resp:	204413
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.9	26.9
125	6.0	3.6	5.4#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 2.010 ng/ul m

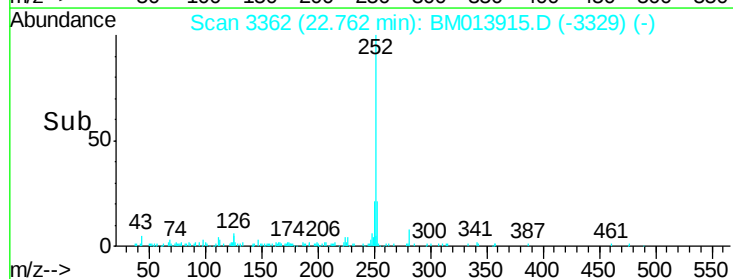
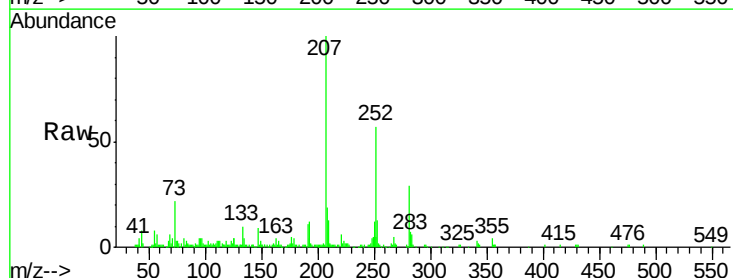
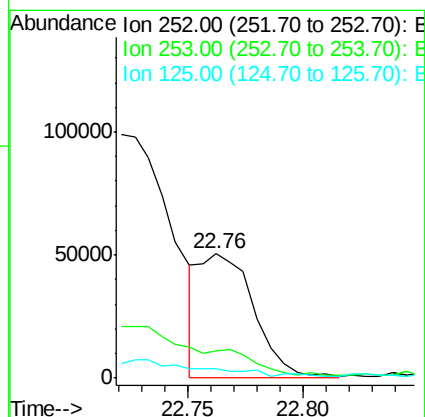
RT: 22.76 min Scan# 3362

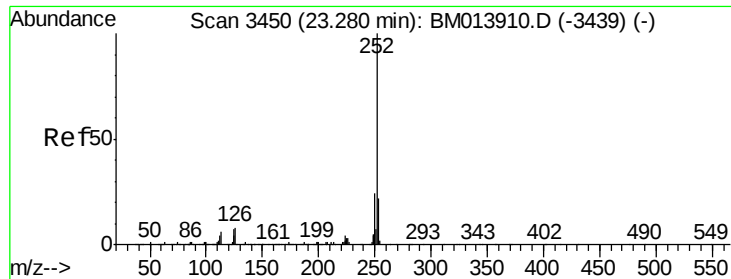
Delta R.T. -0.01 min

Lab File: BM013915.D

Acq: 28 Jan 2018 10:19

Tgt Ion:	252	Resp:	81824
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	7.2	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 2.792 ng/ul

RT: 23.28 min Scan# 3450

Delta R.T. 0.00 min

Lab File: BM013915.D

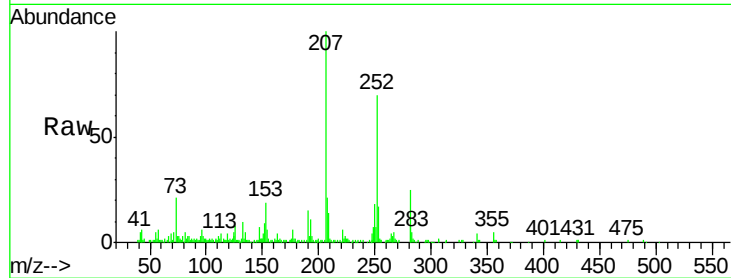
Acq: 28 Jan 2018 10:19

Instrument :

BNA_M

ClientSampleId :

F6A76ME



Tot Ion:	252	Resp:	111058
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.2	27.2
125	7.2	4.0	6.0

Manual Integrations
APPROVED

Sohil
1/29/2018 6:04:47 PM

