

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\
 Data File : BM013730.D
 Acq On : 23 Jan 2018 13:22
 Operator : SJ/JU
 Sample : J1174-12
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6A47

Manual Integrations
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Sohil
 1/23/2018 4:08:12 PM

Quant Time: Jan 23 14:32:51 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 23 06:05:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	206508	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	805703	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	416589	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	881640	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	910452	20.00	ng/ul	0.01
83) Perylene-d12	23.43	264	935860	20.00	ng/ul	0.02

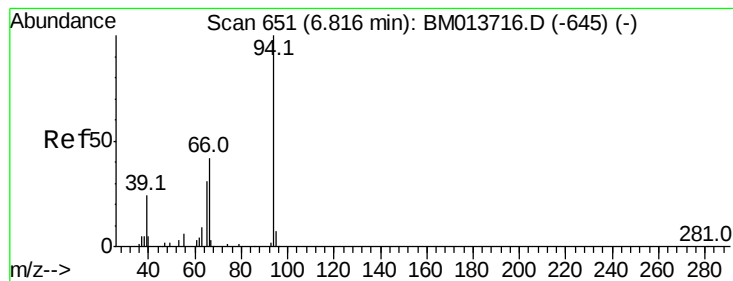
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	13071	2.50	ng/uL	0.00
5) Phenol-d5	6.80	99	354790	22.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	215785	22.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	308447	23.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	303152	24.87	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	152509	24.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.48	143	165226	25.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	305168	23.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	227763	20.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	849694	24.75	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	1087127	24.83	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	91623	16.42	ng/ul	0.01
57) Fluorene-d10	15.26	176	719573	23.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	58457	11.02	ng/ul	0.00
70) Anthracene-d10	17.12	188	1078222	25.11	ng/ul	0.00
76) Pyrene-d10	19.42	212	1158644	27.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.29	264	1123159	26.11	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.82	94	47700	3.000	ng/ul#	82
34) 2-Methylnaphthalene	12.06	142	119944	4.014	ng/ul	98
44) Dimethylphthalate	13.73	163	217681	6.448	ng/ul	98
47) Acenaphthylene	13.98	152	158846	3.965	ng/ul	95
49) Acenaphthene	14.33	153	154883	5.582	ng/ul	97
53) Dibenzofuran	14.66	168	110530	2.648	ng/ul	98
58) Fluorene	15.32	166	138078	4.039	ng/ul#	83
68) Pentachlorophenol	16.67	266	61014	10.244	ng/ul	96
69) Phenanthrene	17.06	178	315513	6.438	ng/ul#	95
71) Anthracene	17.15	178	292829	5.793	ng/ul#	88
74) Fluoranthene	19.09	202	706083	12.070	ng/ul#	92
77) Pyrene	19.45	202	1317950	23.812	ng/ul#	92
80) Benzo(a)anthracene	21.20	228	242604	4.410	ng/ul#	91
82) Chrysene	21.26	228	171400	3.396	ng/ul#	89
85) Benzo(b)fluoranthene	22.77	252	741981m	12.910	ng/ul	
86) Benzo(k)fluoranthene	22.80	252	137547m	2.476	ng/ul	
88) Benzo(a)pyrene	23.34	252	535408	9.861	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	25.64	276	353531	5.516	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.63	278	70722	1.307	ng/ul#	56
91) Benzo(g,h,i)perylene	26.32	276	346338	6.566	ng/ul#	87

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



#6

Phenol

Concen: 3.000 ng/ul

RT: 6.82 min Scan# 652

Delta R.T. 0.01 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Instrument :

BNA_M

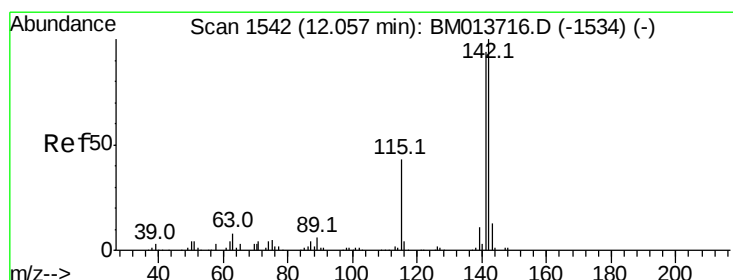
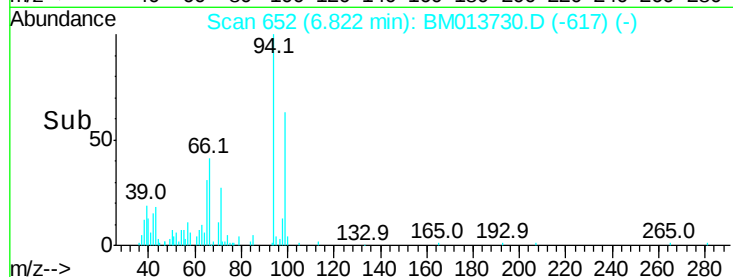
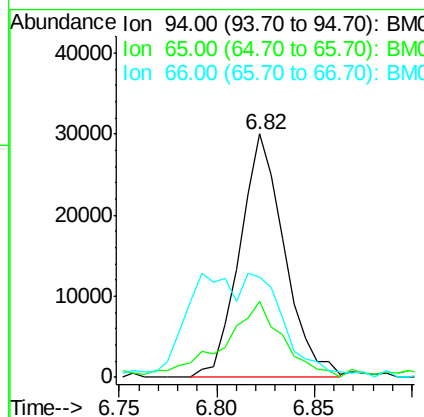
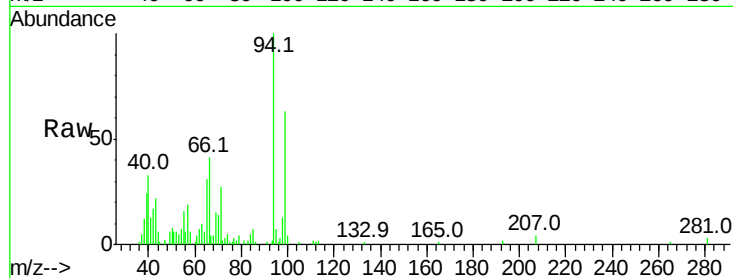
ClientSampleId :

F6A47

Tot Ion:	94	Resp:	47700
Ion Ratio	Lower	Upper	
94	100		
65	31.2	28.2	42.4
66	41.1	47.2	70.8#

Manual Integrations
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#34

2-Methylnaphthalene

Concen: 4.014 ng/ul

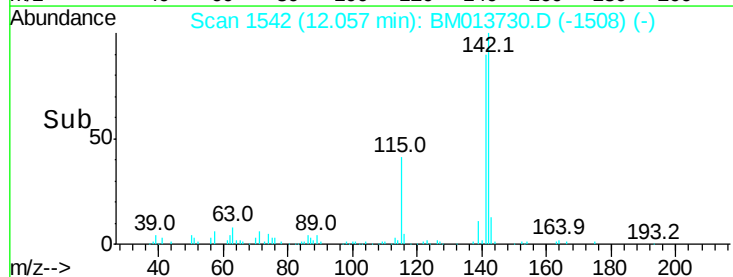
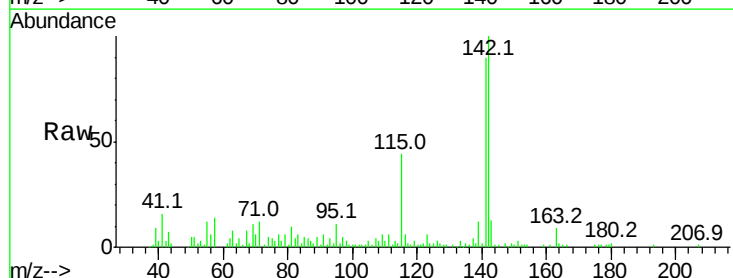
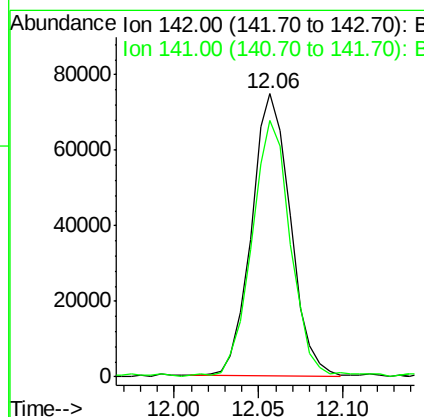
RT: 12.06 min Scan# 1542

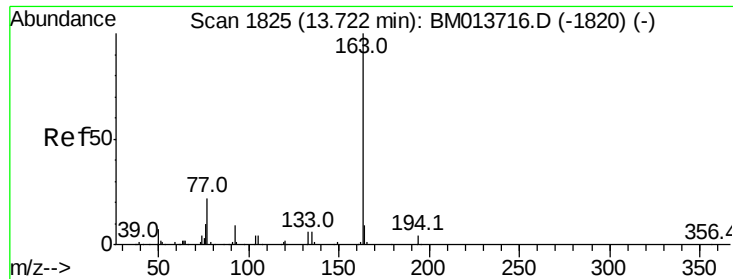
Delta R.T. -0.00 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Tgt Ion:	142	Resp:	119944
Ion Ratio	Lower	Upper	
142	100		
141	90.5	74.1	111.1





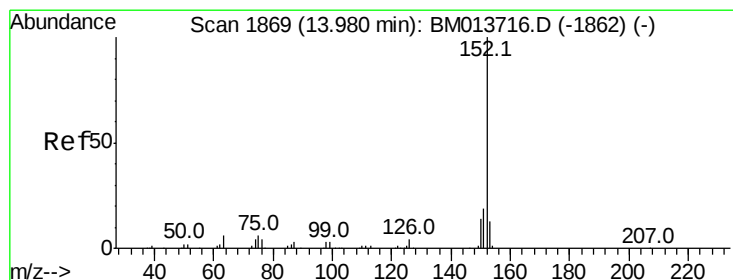
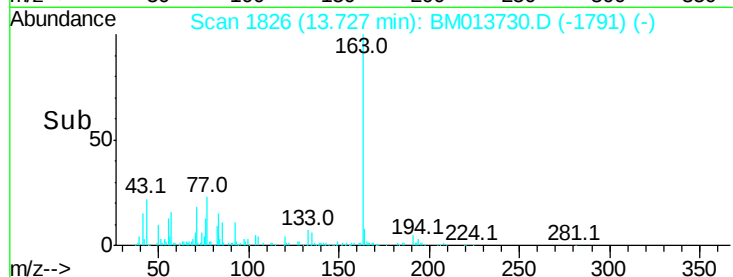
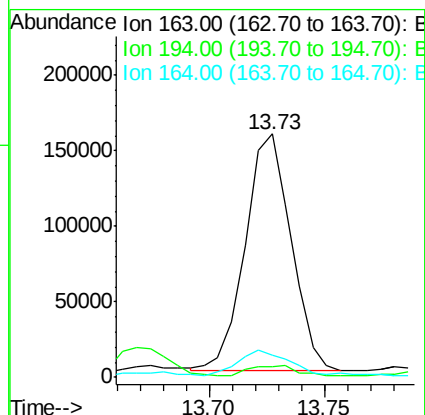
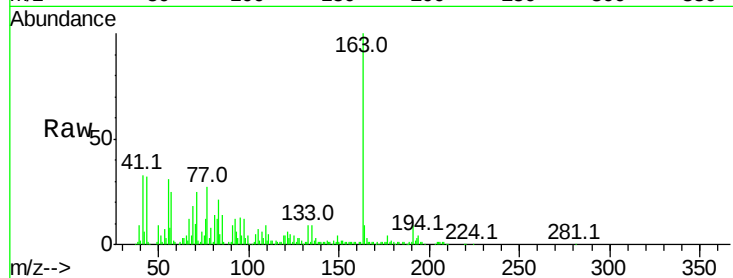
#44
Dimethylphthalate
Concen: 6.448 ng/ul
RT: 13.73 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BM013730.D
Acq: 23 Jan 2018 13:22

Instrument :
BNA_M
ClientSampleId :
F6A47

Tot Ion	Ratio	Resp	Lower	Upper
163	100	217681		
194	4.4	3.5	5.3	
164	9.3	8.2	12.4	

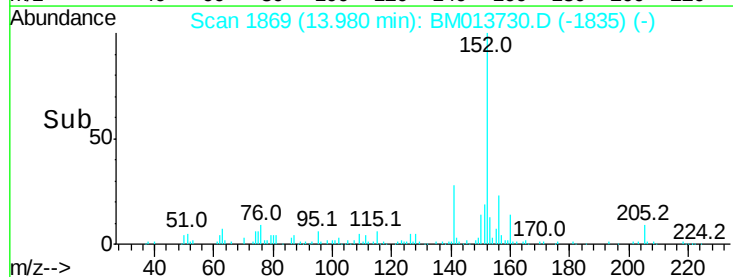
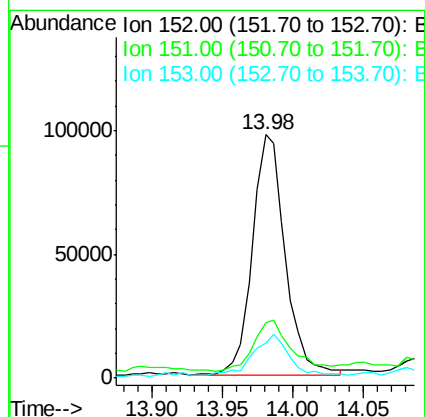
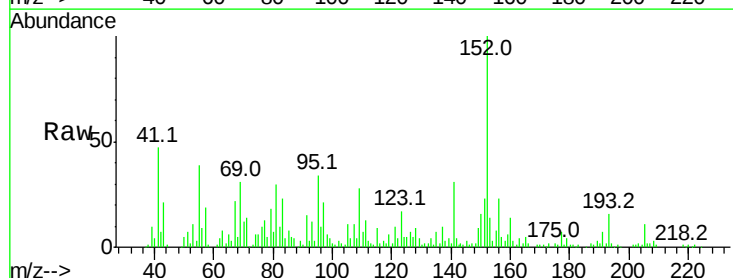
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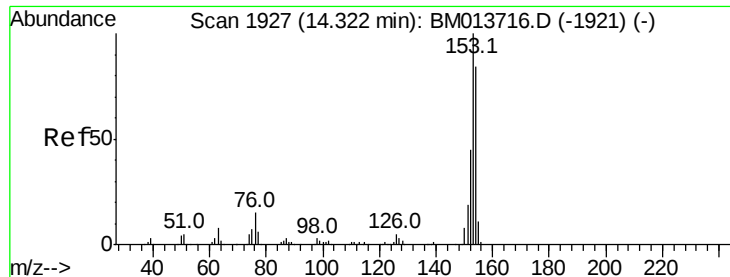
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#47
Acenaphthylene
Concen: 3.965 ng/ul
RT: 13.98 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BM013730.D
Acq: 23 Jan 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	158846		
151	23.0	16.3	24.5	
153	14.3	10.2	15.4	





#49

Acenaphthene

Concen: 5.582 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Instrument :

BNA_M

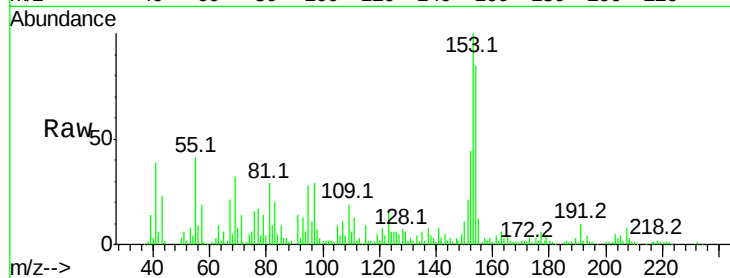
ClientSampleId :

F6A47

Tot Ion:	153	Resp:	154883
Ion Ratio	Lower	Upper	
153	100		
152	44.5	37.6	56.4
154	85.3	70.4	105.6

Manual Integrations
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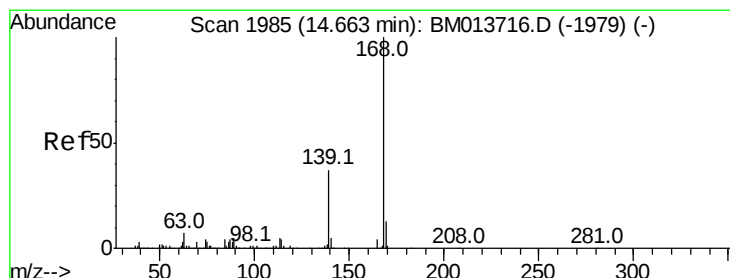
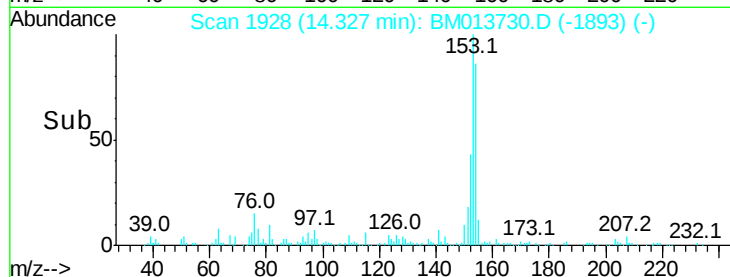
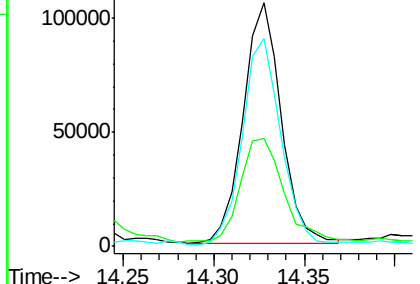
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.648 ng/ul

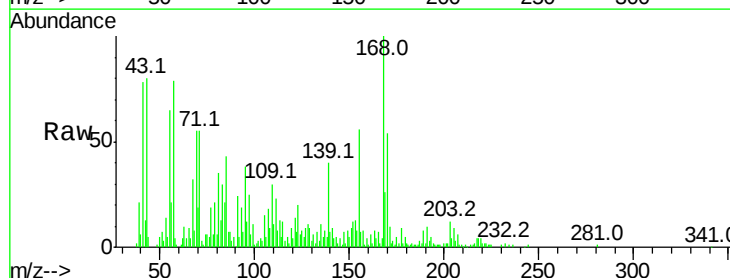
RT: 14.66 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BM013730.D

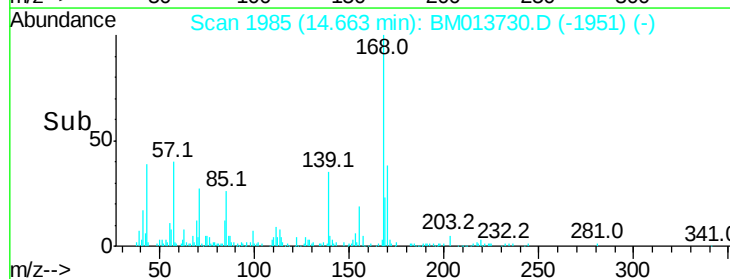
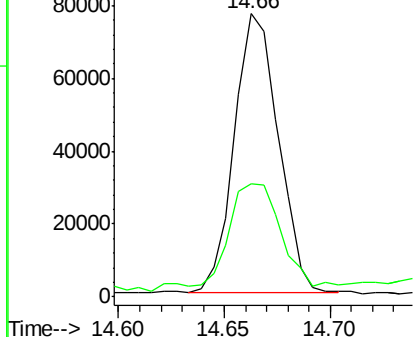
Acq: 23 Jan 2018 13:22

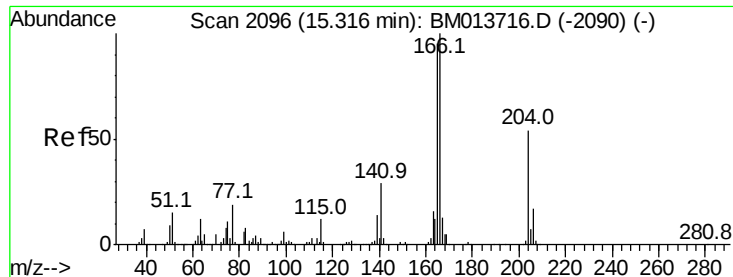
Tgt Ion:	168	Resp:	110530
Ion Ratio	Lower	Upper	
168	100		
139	39.9	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





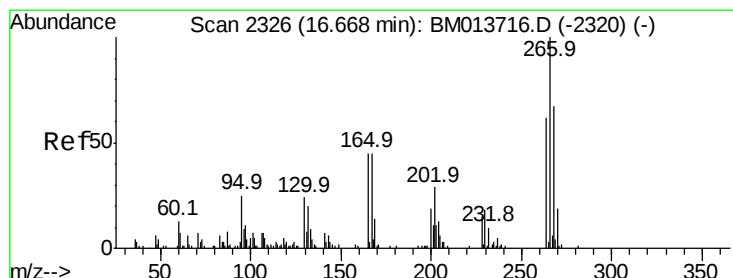
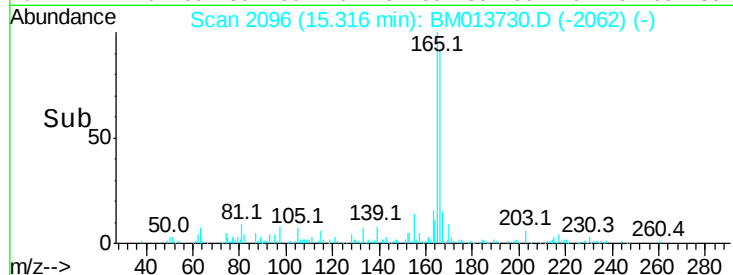
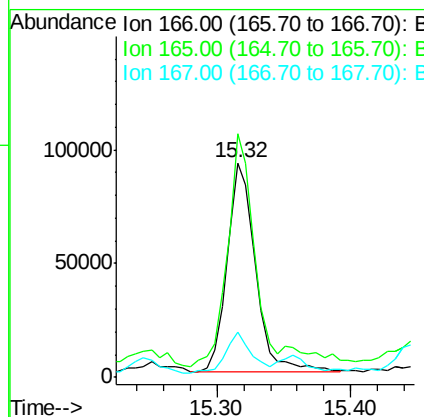
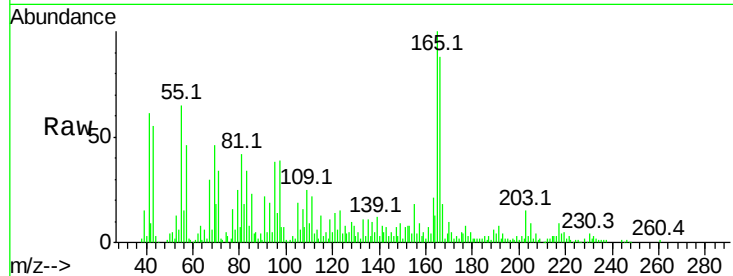
#58
Fluorene
 Concen: 4.039 ng/ul
 RT: 15.32 min Scan# 2096
 Delta R.T. -0.00 min
 Lab File: BM013730.D
 Acq: 23 Jan 2018 13:22

Instrument :
 BNA_M
 ClientSampled :
 F6A47

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	113.4	77.9	116.9	
167	20.8	10.6	16.0	

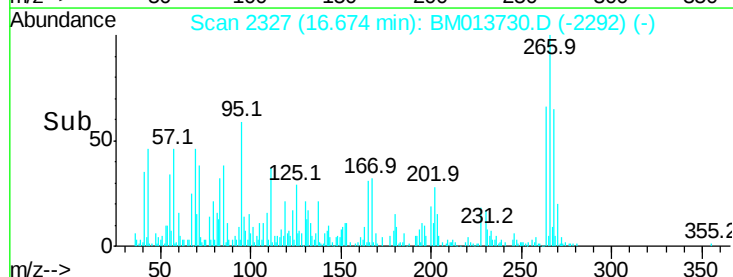
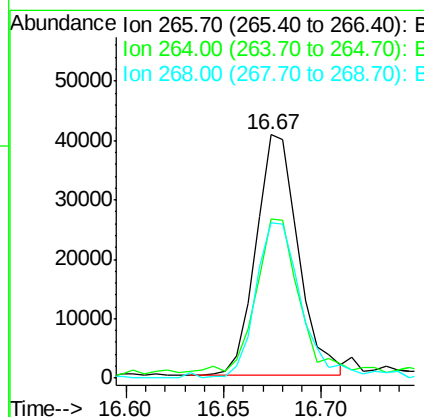
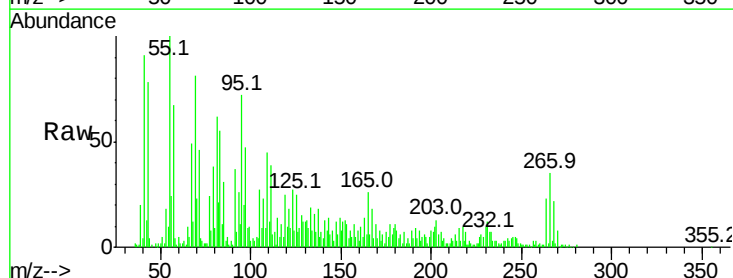
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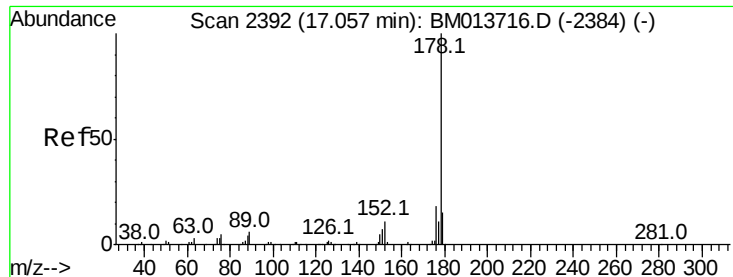
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#68
Pentachlorophenol
 Concen: 10.244 ng/ul
 RT: 16.67 min Scan# 2327
 Delta R.T. 0.01 min
 Lab File: BM013730.D
 Acq: 23 Jan 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
264	65.3	49.3	73.9	
268	63.9	52.6	78.8	





#69

Phenanthrene

Concen: 6.438 ng/ul

RT: 17.06 min Scan# 2393

Delta R.T. 0.01 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Instrument :

BNA_M

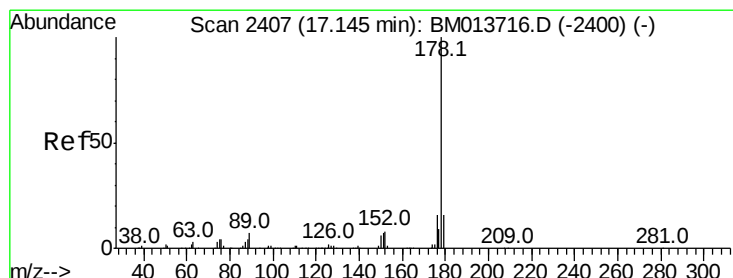
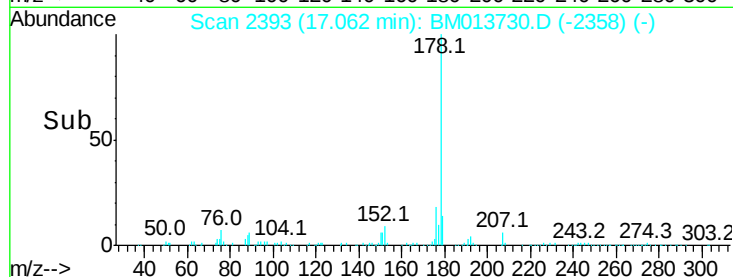
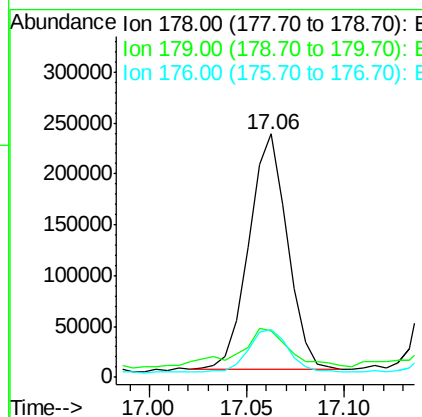
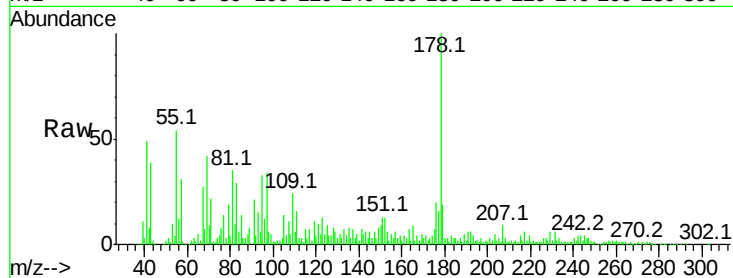
ClientSampleId :

F6A47

Tot Ion:178	Resp:	315513
Ion Ratio	Lower	Upper
178	100	
179	19.0	12.6 19.0#
176	19.6	14.9 22.3

Manual Integrations
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#71

Anthracene

Concen: 5.793 ng/ul

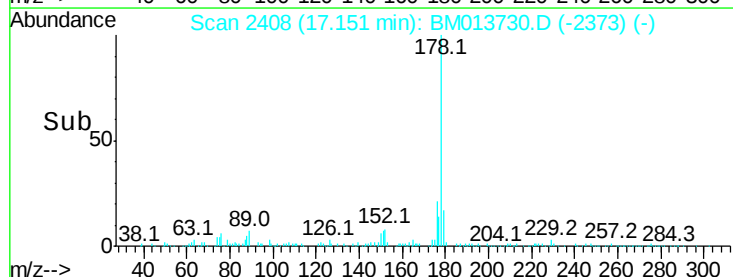
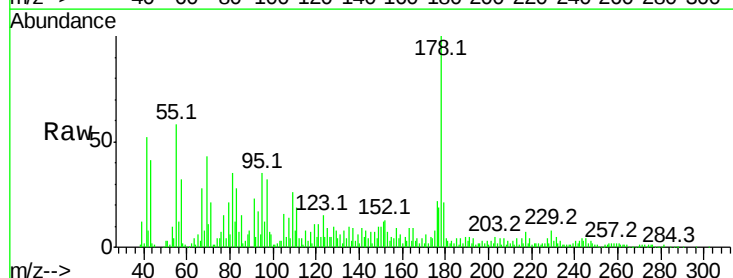
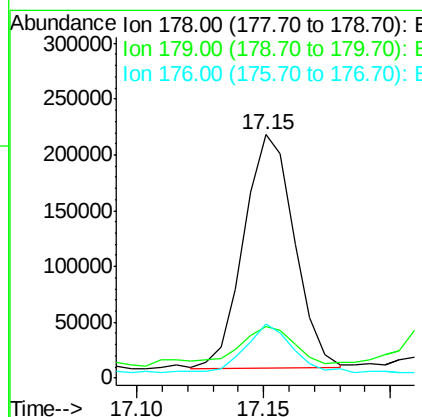
RT: 17.15 min Scan# 2408

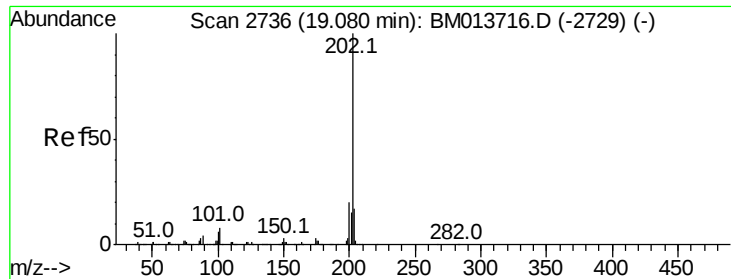
Delta R.T. 0.01 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Tgt Ion:178	Resp:	292829
Ion Ratio	Lower	Upper
178	100	
179	21.3	11.7 17.5#
176	22.1	14.6 21.8#





#74

Fluoranthene

Concen: 12.070 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Instrument :

BNA_M

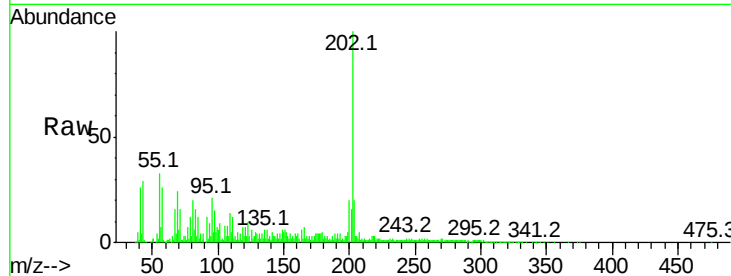
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F6A47

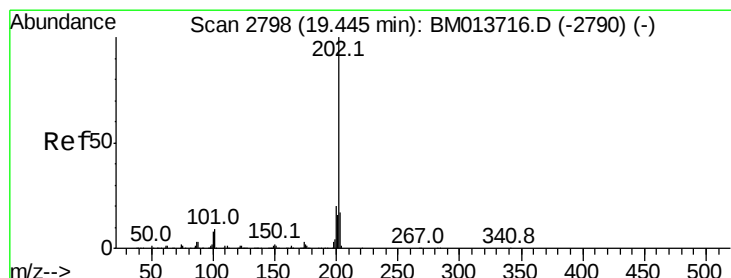
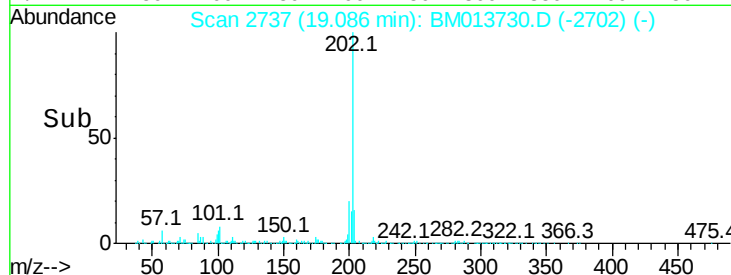
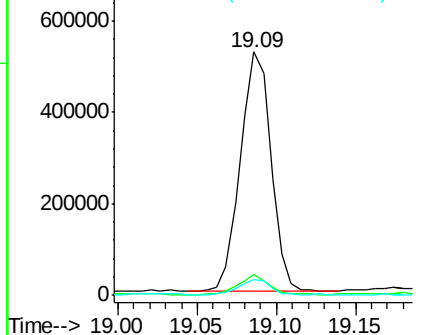
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		706083		
101	8.8	4.6	7.0#		
100	6.4	3.4	5.2#		

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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: 23.812 ng/ul

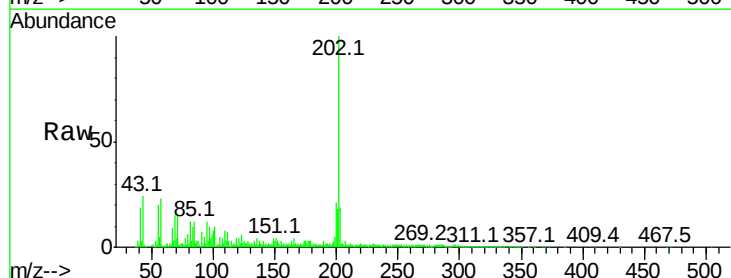
RT: 19.45 min Scan# 2799

Delta R.T. 0.01 min

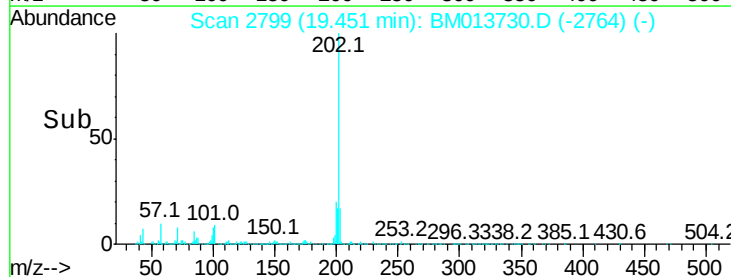
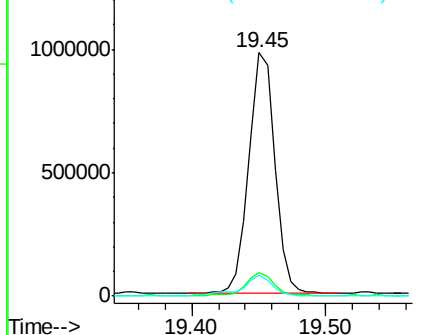
Lab File: BM013730.D

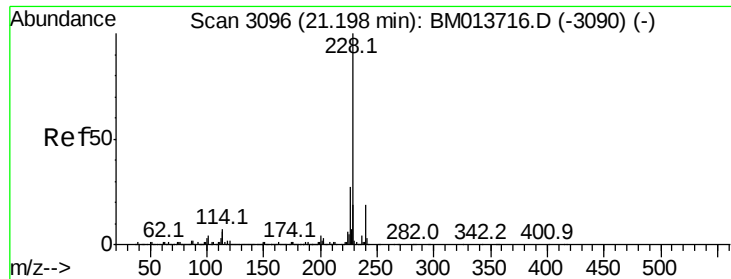
Acq: 23 Jan 2018 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1317950		
101	9.6	5.1	7.7#		
100	8.5	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





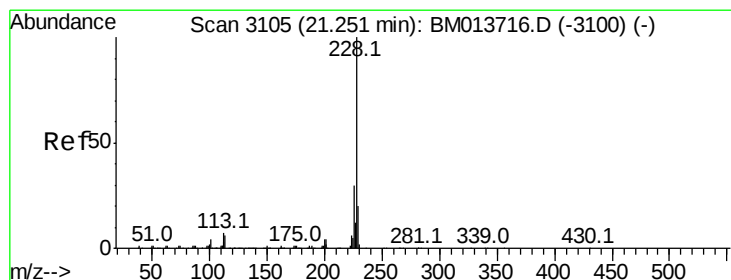
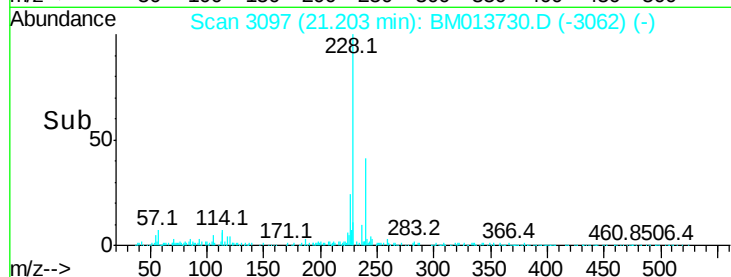
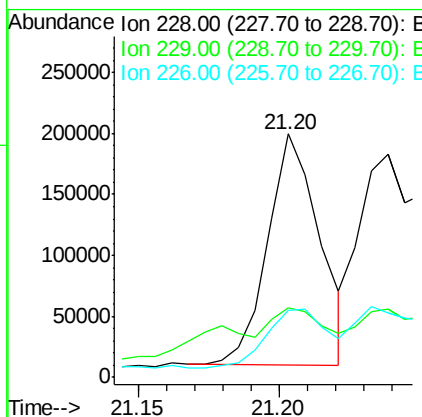
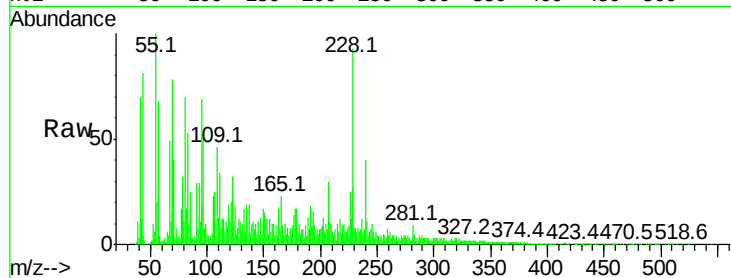
#80
Benzo(a)anthracene
Concen: 4.410 ng/ul
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BM013730.D
Acq: 23 Jan 2018 13:22

Instrument :
BNA_M
ClientSampled :
F6A47

Tot Ion	Ratio	Lower	Upper
228	100		
229	28.7	15.4	23.0#
226	27.3	21.4	32.0

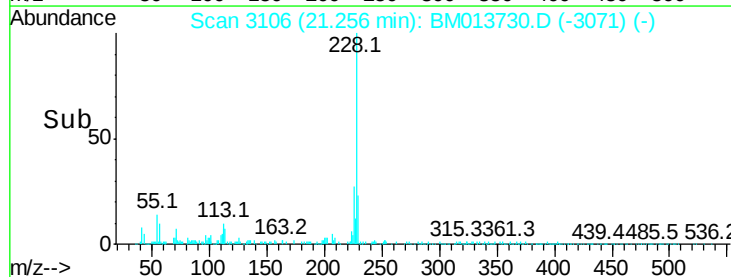
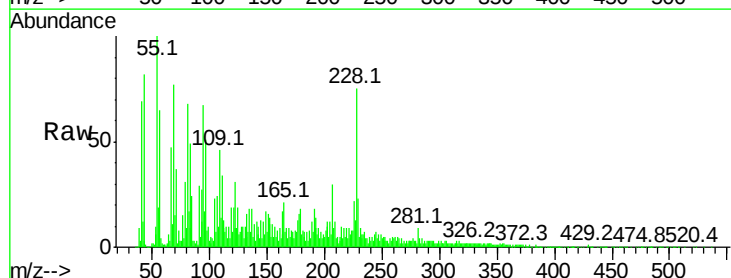
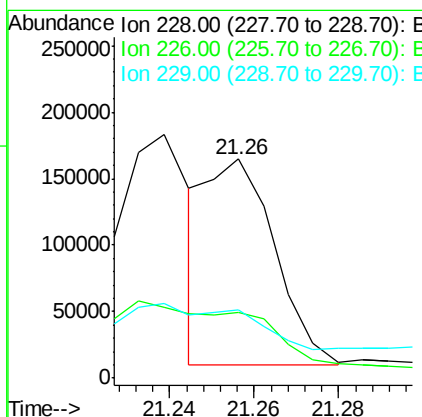
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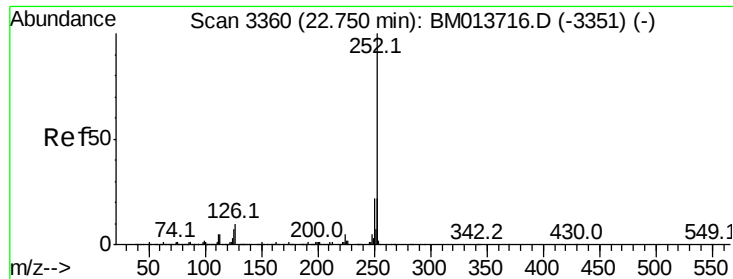
Sohil
1/23/2018 4:08:12 PM



#82
Chrysene
Concen: 3.396 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BM013730.D
Acq: 23 Jan 2018 13:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	31.1	15.5	23.3#





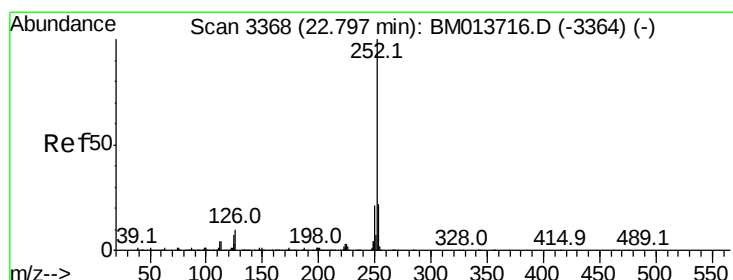
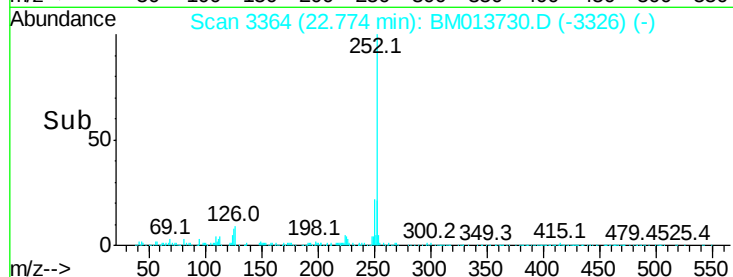
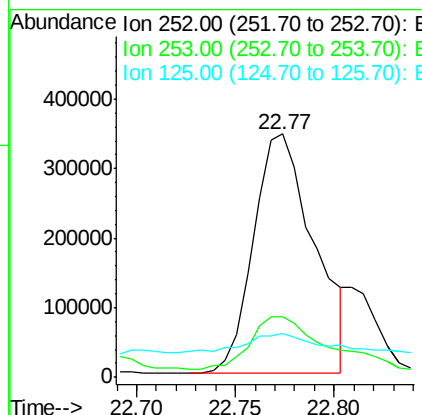
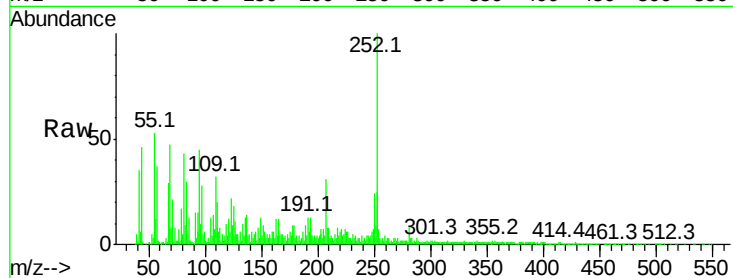
#85
Benzo(b)fluoranthene
Concen: 12.910 ng/ul m
RT: 22.77 min Scan# 3364
Delta R.T. 0.02 min
Lab File: BM013730.D
Acq: 23 Jan 2018 13:22

Instrument :
BNA_M
ClientSampleId :
F6A47

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	18.2	3.6	5.4#

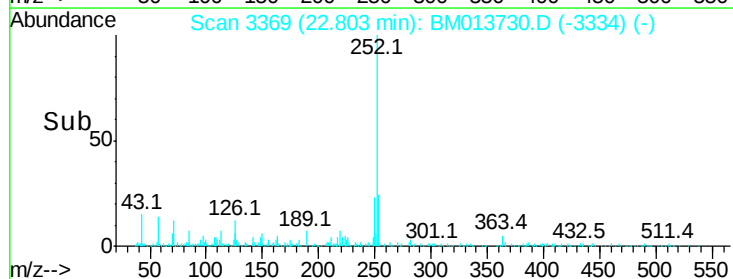
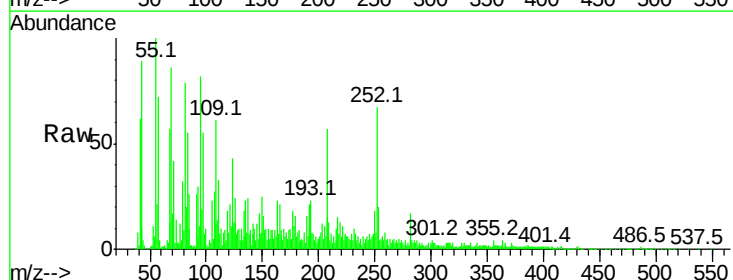
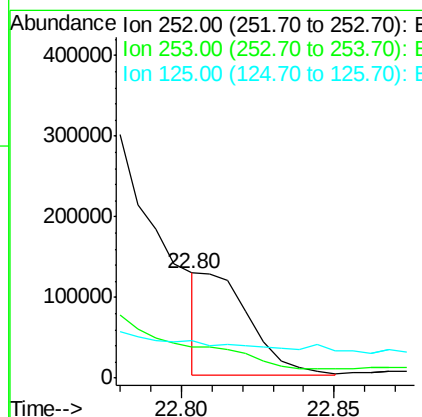
Manual Integrations
APPROVED

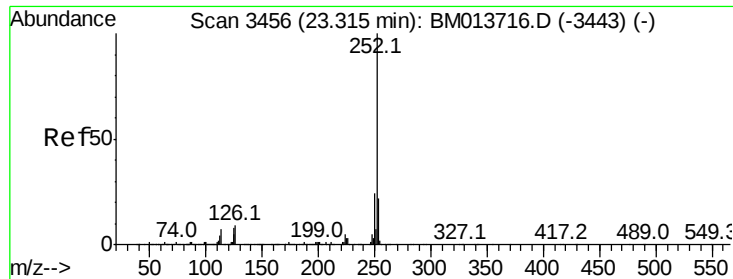
Sohil
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#86
Benzo(k)fluoranthene
Concen: 2.476 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. 0.01 min
Lab File: BM013730.D
Acq: 23 Jan 2018 13:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.1	25.7#
125	35.4	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 9.861 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. 0.02 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Instrument :

BNA_M

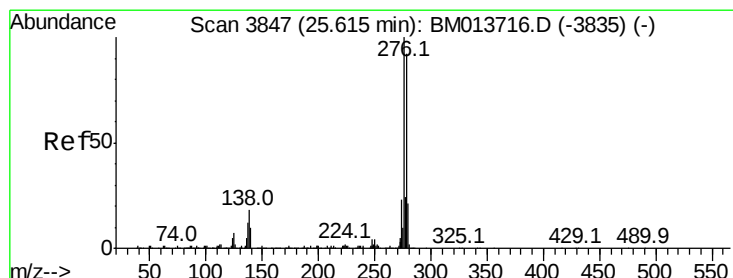
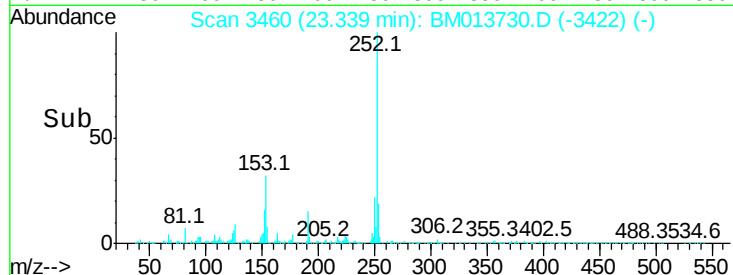
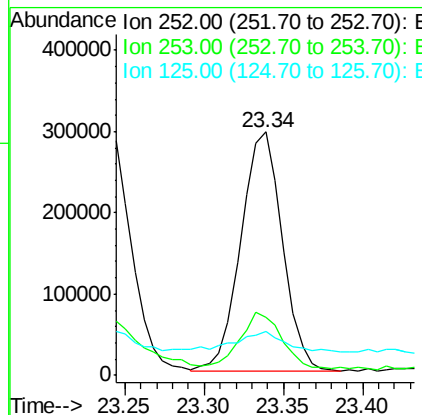
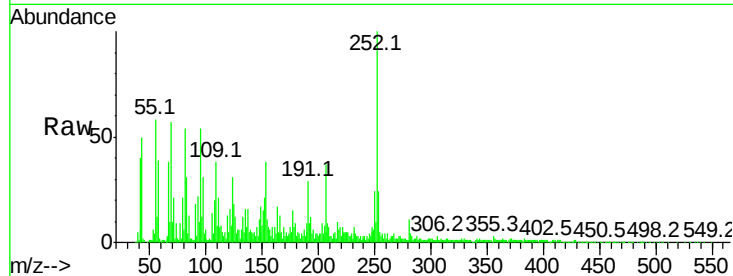
ClientSampleId :

F6A47

Tot Ion:	252	Resp:	535408
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.2
125	17.9	4.0	6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 5.516 ng/ul

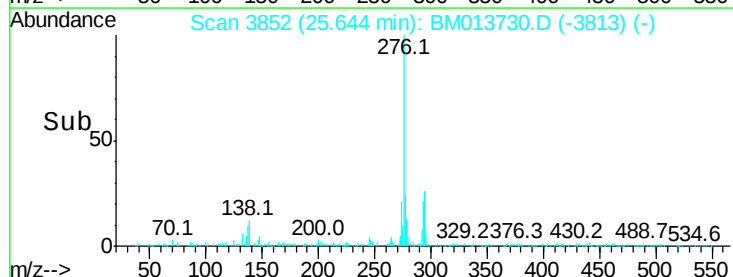
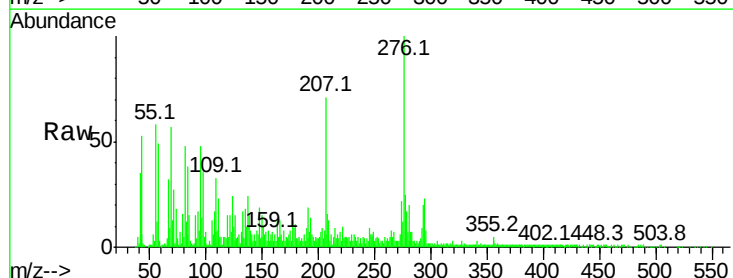
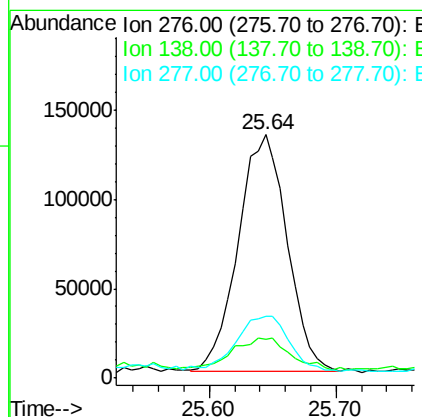
RT: 25.64 min Scan# 3852

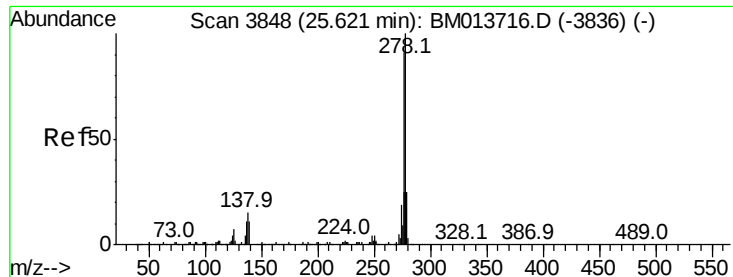
Delta R.T. 0.03 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Tgt Ion:	276	Resp:	353531
Ion Ratio	Lower	Upper	
276	100		
138	15.8	9.3	13.9#
277	25.5	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 1.307 ng/ul

RT: 25.63 min Scan# 3850

Delta R.T. 0.01 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Instrument :

BNA_M

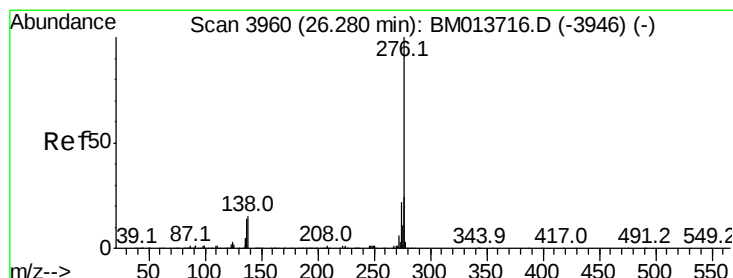
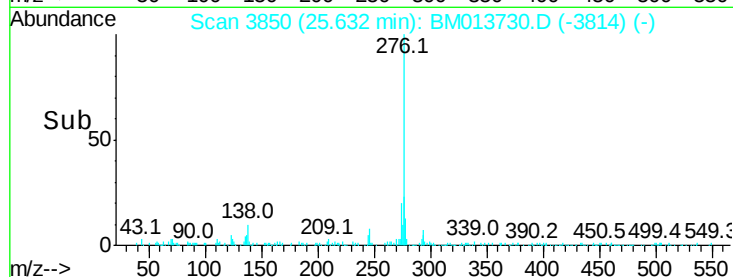
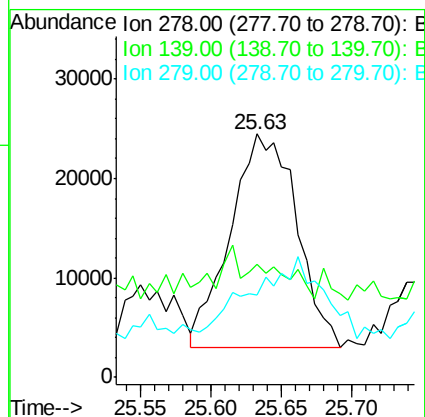
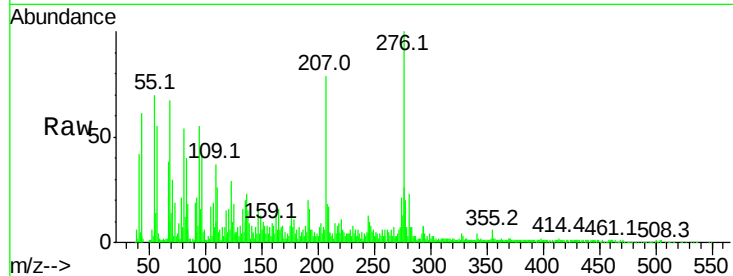
ClientSampled :

F6A47

Tot Ion:	278	Resp:	70722
Ion Ratio	Lower	Upper	
278	100		
139	46.5	5.8	8.8#
279	33.9	18.6	27.8#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.566 ng/ul

RT: 26.32 min Scan# 3967

Delta R.T. 0.04 min

Lab File: BM013730.D

Acq: 23 Jan 2018 13:22

Tgt Ion:	276	Resp:	346338
Ion Ratio	Lower	Upper	
276	100		
138	17.0	8.5	12.7#
277	28.6	18.6	28.0#

