

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100617\
 Data File : BM011940.D
 Acq On : 06 Oct 2017 15:10
 Operator : SJ/JU
 Sample : I5449-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-60(FILL)-092617

Manual Integrations
 APPROVED

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 10/9/2017 6:38:47 PM

Quant Time: Oct 12 05:26:11 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 04:15:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	278152	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1105644	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	571974	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1153689	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	1247368	20.00	ng/ul	0.00
83) Perylene-d12	23.75	264	1350846	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	23399	3.98	ng/uL	0.00
5) Phenol-d5	7.02	99	505963	21.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	322865	22.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	469177	24.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	405857	19.62	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	214246	27.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	250678	28.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	448095	25.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	99538	5.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1300305	26.23	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1542274	26.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	116689	13.47	ng/ul	0.00
57) Fluorene-d10	15.49	176	1045705	23.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	150298	19.36	ng/ul	0.00
70) Anthracene-d10	17.34	188	1544840	27.17	ng/ul	0.00
76) Pyrene-d10	19.63	212	1694318	30.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.60	264	1745829	26.87	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.05	94	31212	1.318	ng/ul 90
28) Naphthalene	10.71	128	218812	3.945	ng/ul 98
34) 2-Methylnaphthalene	12.32	142	85657	2.025	ng/ul 98
47) Acenaphthylene	14.23	152	119354	2.113	ng/ul 97
49) Acenaphthene	14.56	153	122919	3.145	ng/ul 99
53) Dibenzofuran	14.90	168	141942	2.502	ng/ul 95
58) Fluorene	15.55	166	120278	2.539	ng/ul 96
69) Phenanthrene	17.29	178	2788903	43.947	ng/ul 99
71) Anthracene	17.38	178	658914	10.204	ng/ul 98
72) Carbazole	17.65	167	185581	3.318	ng/ul 96
73) Di-n-butylphthalate	18.20	149	323086	4.821	ng/ul 97
74) Fluoranthene	19.30	202	4914066	63.465	ng/ul# 91
77) Pyrene	19.67	202	4611407	66.674	ng/ul# 91
80) Benzo(a)anthracene	21.40	228	2741567	38.366	ng/ul 96
81) Bis(2-ethylhexyl)phthalate	21.32	149	351483	8.720	ng/ul 100
82) Chrysene	21.46	228	2709919	39.913	ng/ul 96
85) Benzo(b)fluoranthene	23.05	252	3768064	45.891	ng/ul# 96
86) Benzo(k)fluoranthene	23.09	252	1378192m	16.813	ng/ul
88) Benzo(a)pyrene	23.65	252	2818925	35.729	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	26.13	276	2121306	25.125	ng/ul# 95
90) Dibenzo(a,h)anthracene	26.13	278	536712	7.736	ng/ul# 79
91) Benzo(a,h,i)perylene	26.87	276	1969223	28.196	ng/ul# 91

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B-60(FILL)-092617

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Quant Title : SVOA CALIBRATION
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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

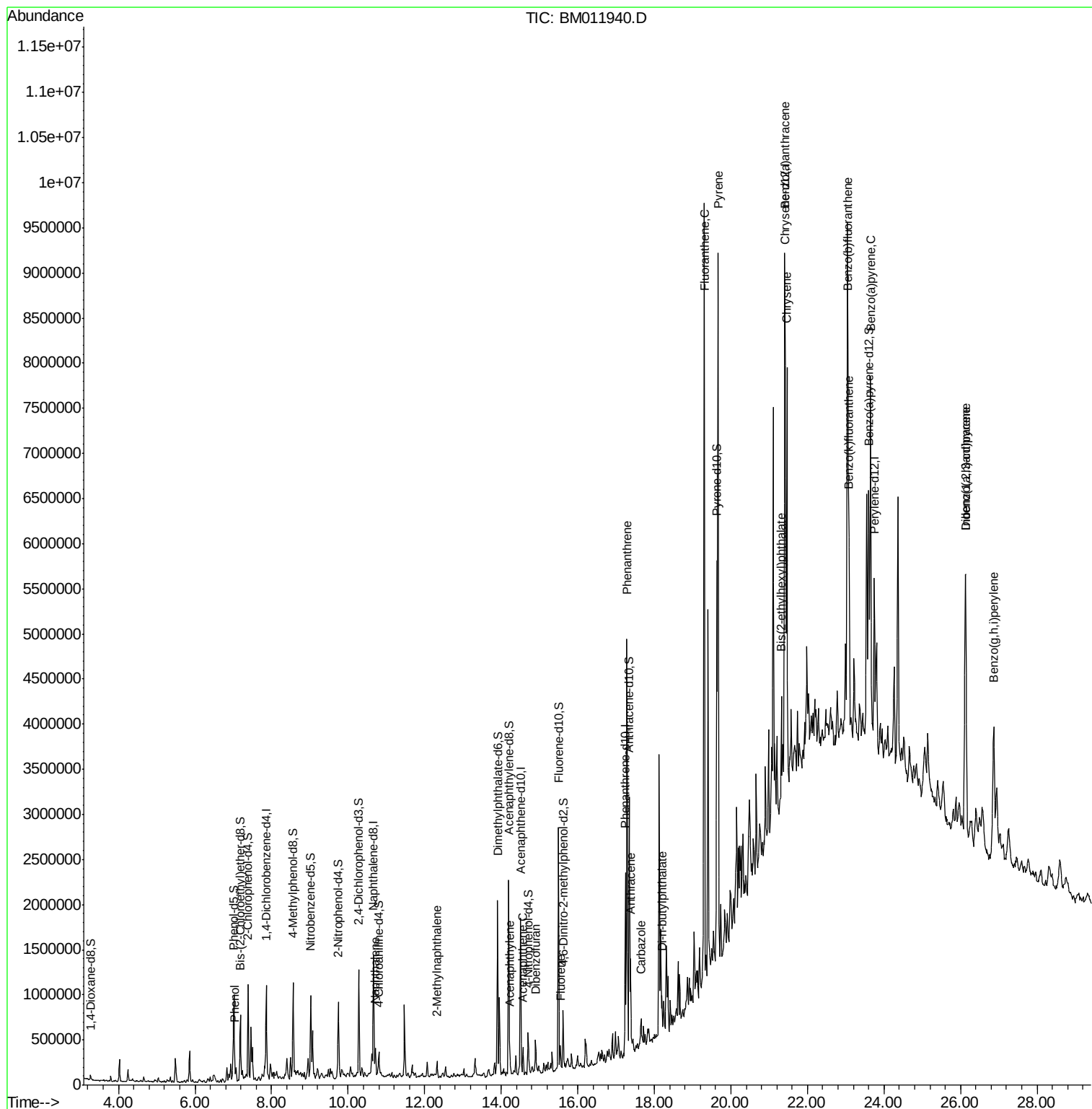
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100617\
Data File : BM011940.D
Acq On : 06 Oct 2017 15:10
Operator : SJ/JU
Sample : I5449-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

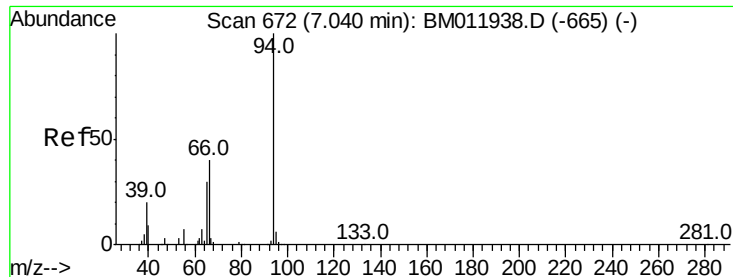
Instrument :
BNA_M
ClientSampled :
B-60(FILL)-092617

Manual Integrations
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#6

Phenol

Concen: 1.318 ng/ul

RT: 7.05 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

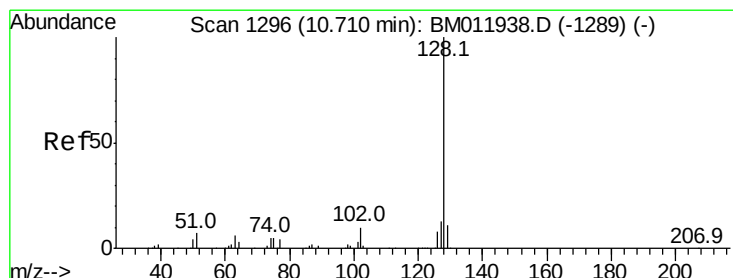
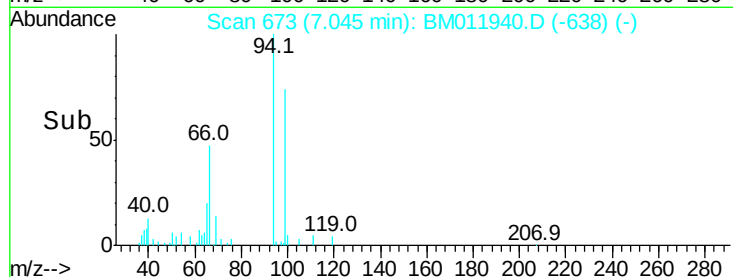
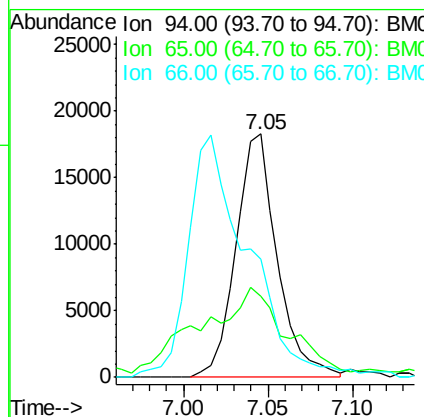
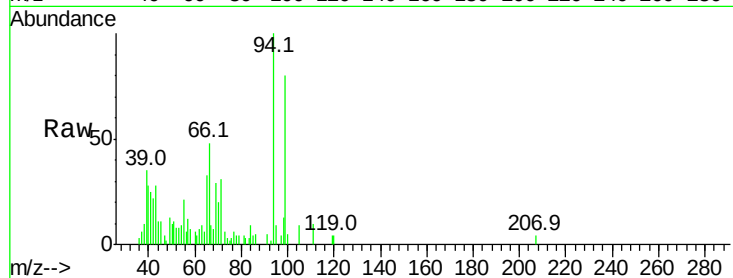
ClientSampleId :

B-60(FILL)-092617

Tot Ion:	94	Resp:	31212
Ion Ratio	Lower	Upper	
94	100		
65	33.2	28.2	42.4
66	48.4	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 3.945 ng/ul

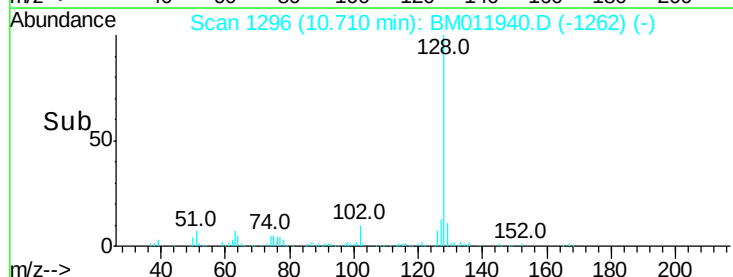
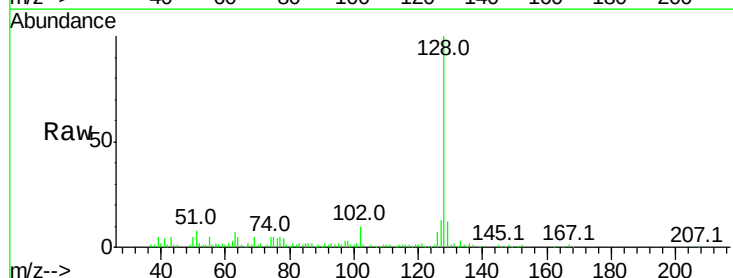
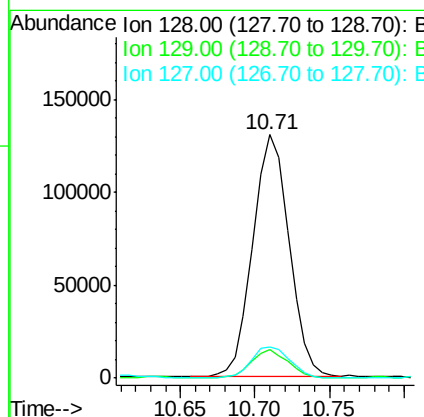
RT: 10.71 min Scan# 1296

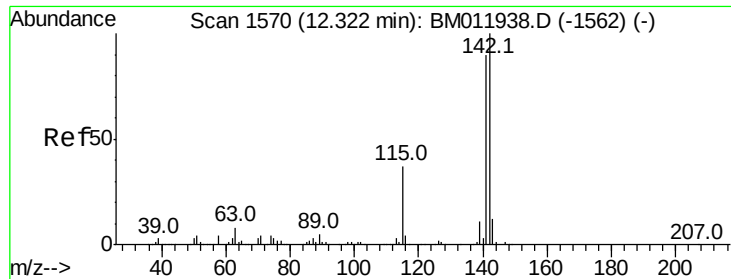
Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion:	128	Resp:	218812
Ion Ratio	Lower	Upper	
128	100		
129	11.8	8.8	13.2
127	12.9	10.6	16.0





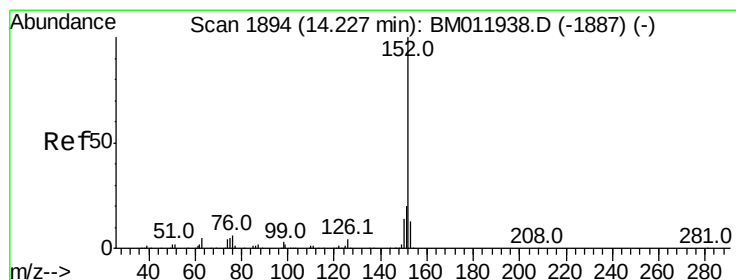
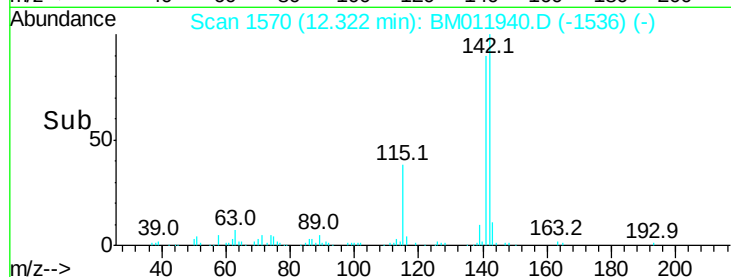
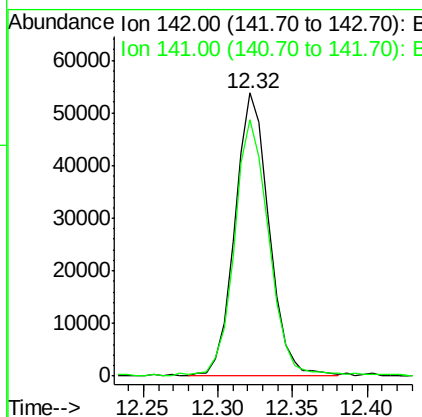
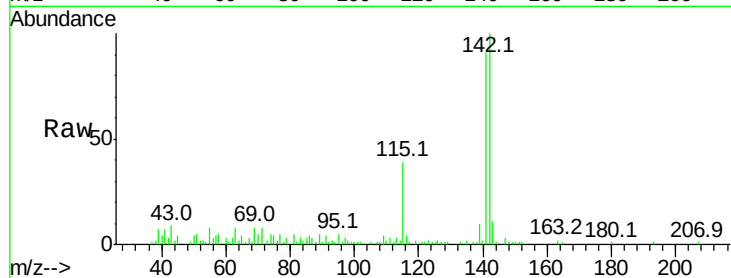
#34
 2-Methylnaphthalene
 Concen: 2.025 ng/ul
 RT: 12.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BM011940.D
 Acq: 06 Oct 2017 15:10

Instrument :
 BNA_M
 ClientSampleId :
 B-60(FILL)-092617

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.1	111.1

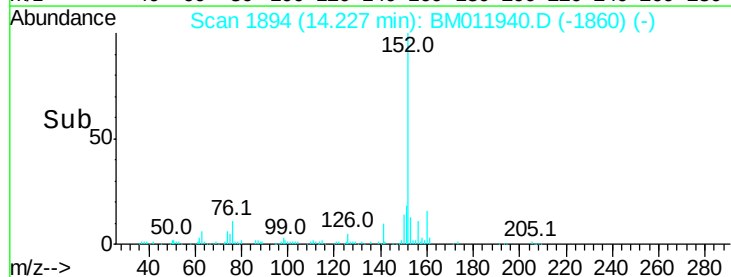
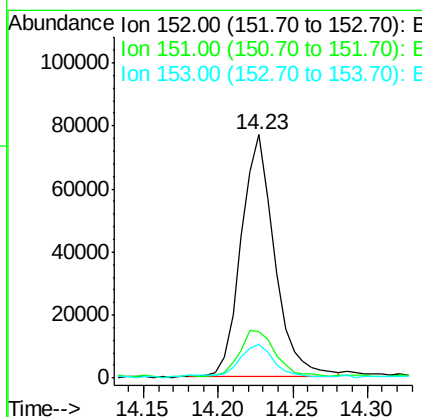
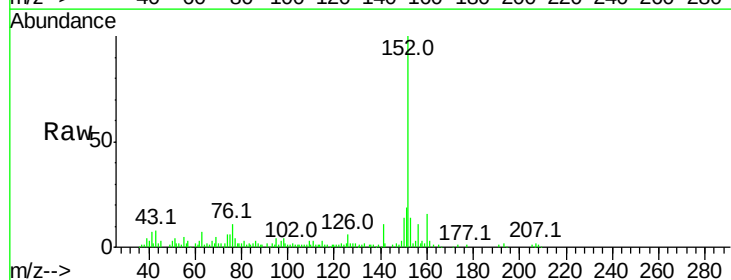
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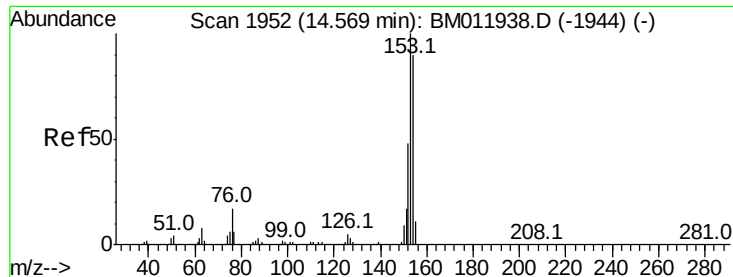
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#47
 Acenaphthylene
 Concen: 2.113 ng/ul
 RT: 14.23 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: BM011940.D
 Acq: 06 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	13.8	10.2	15.4





#49

Acenaphthene

Concen: 3.145 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

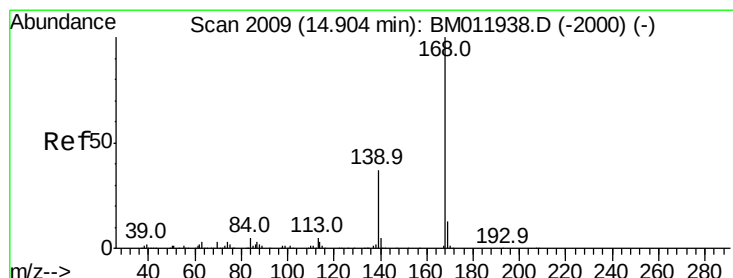
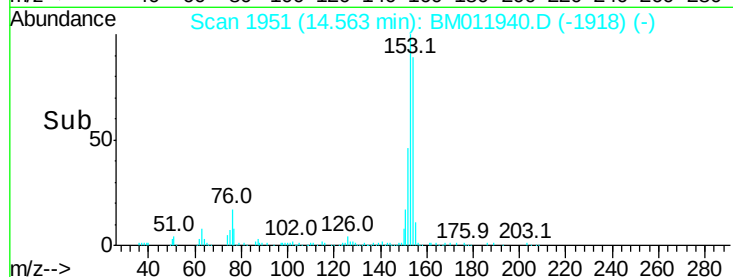
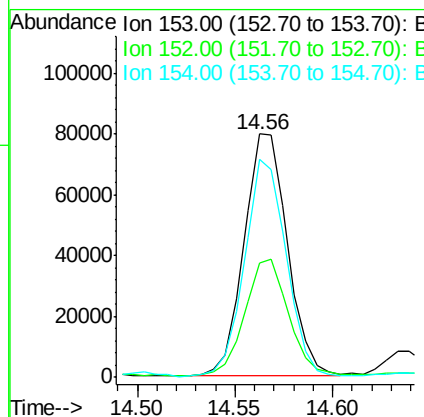
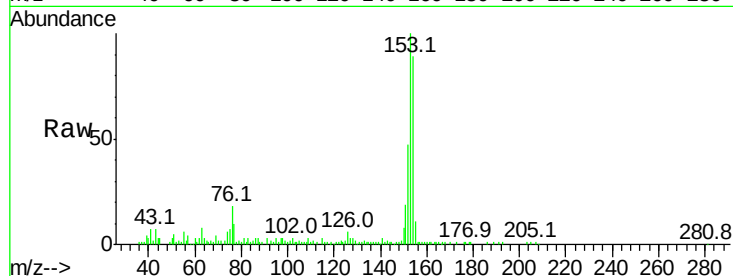
ClientSampleId :

B-60(FILL)-092617

Tot Ion:	153	Resp:	122919
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.6	56.4
154	89.4	70.4	105.6

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#53

Dibenzofuran

Concen: 2.502 ng/ul

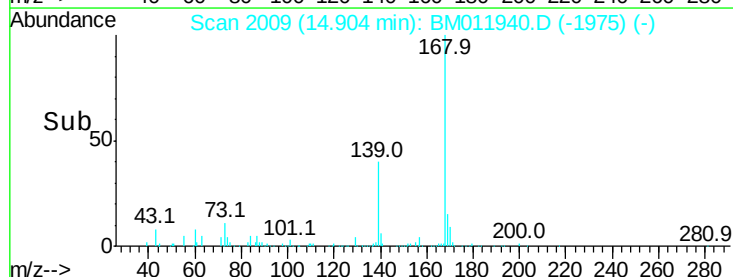
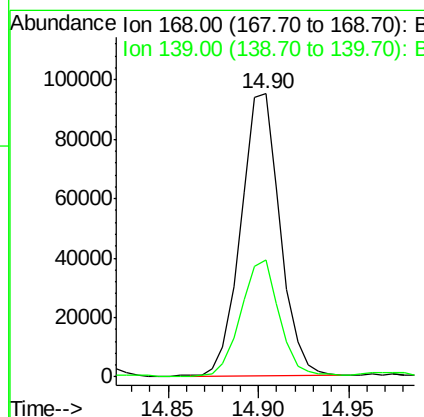
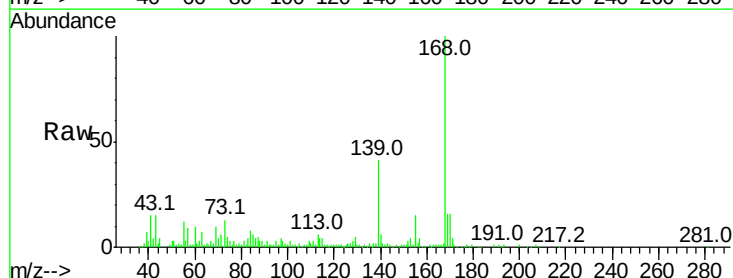
RT: 14.90 min Scan# 2009

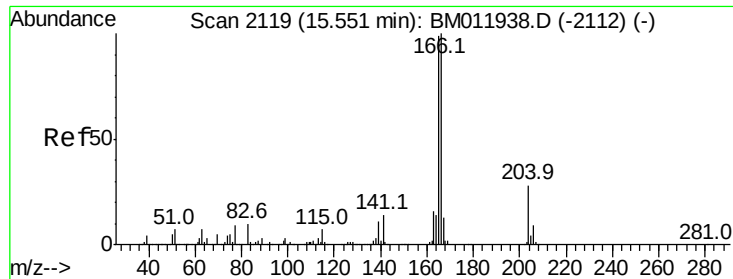
Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion:	168	Resp:	141942
Ion Ratio	Lower	Upper	
168	100		
139	41.3	30.8	46.2





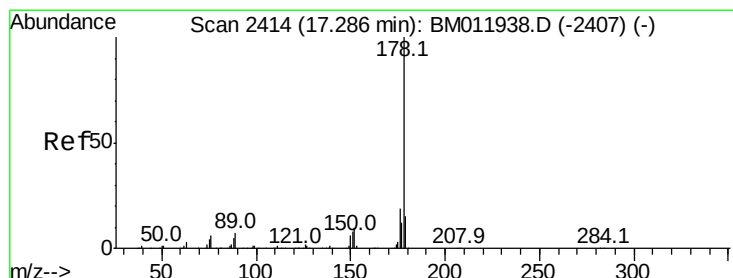
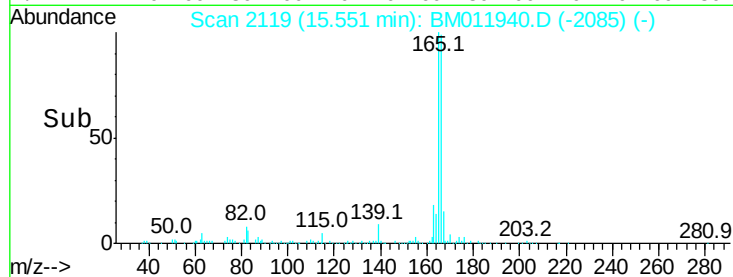
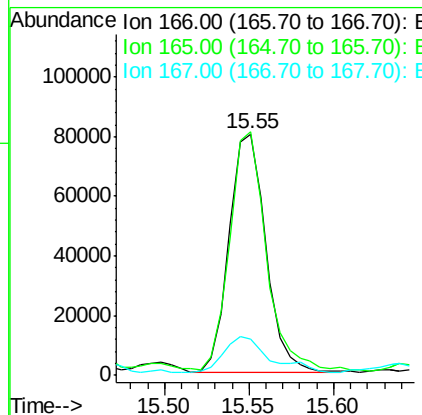
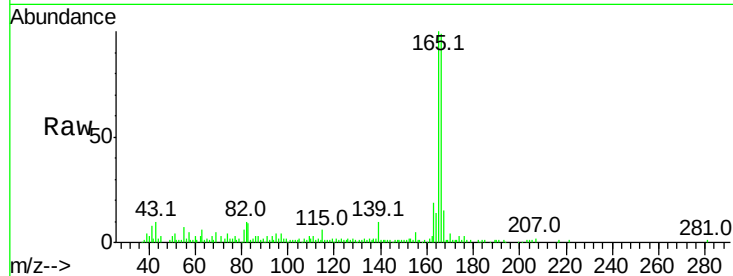
#58
 Fluorene
 Concen: 2.539 ng/ul
 RT: 15.55 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: BM011940.D
 Acq: 06 Oct 2017 15:10

Instrument :
 BNA_M
 ClientSampleId :
 B-60(FILL)-092617

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.9	116.9
167	15.2	10.6	16.0

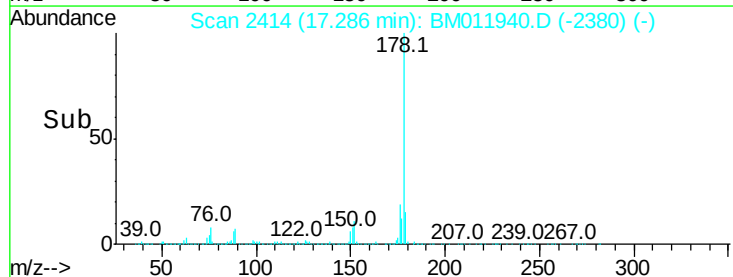
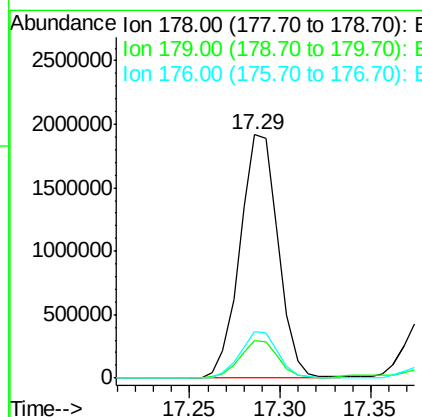
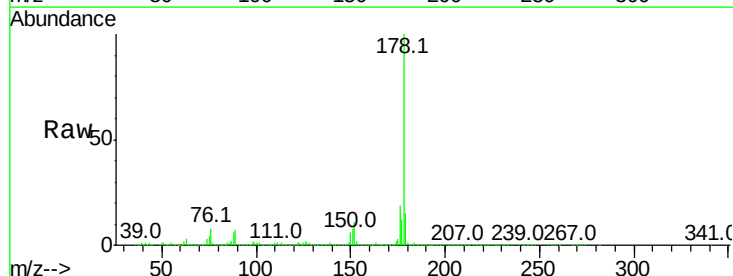
Manual Integrations
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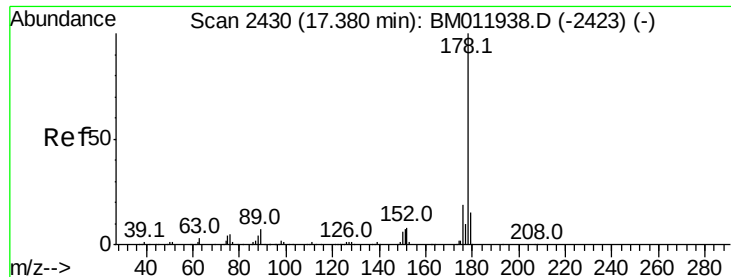
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#69
 Phenanthrene
 Concen: 43.947 ng/ul
 RT: 17.29 min Scan# 2414
 Delta R.T. -0.00 min
 Lab File: BM011940.D
 Acq: 06 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.3	14.9	22.3





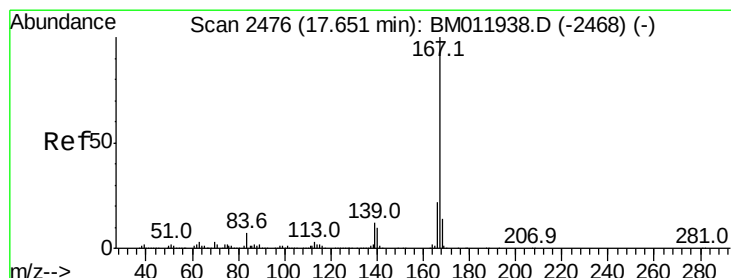
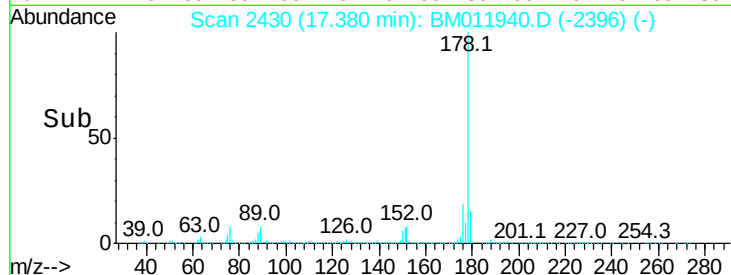
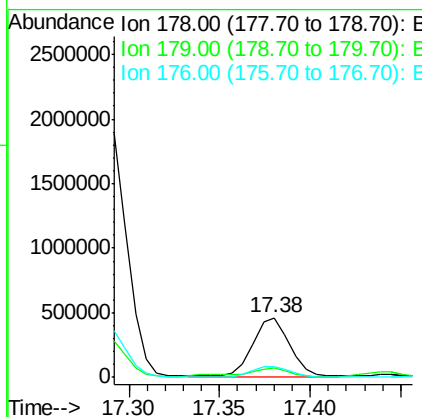
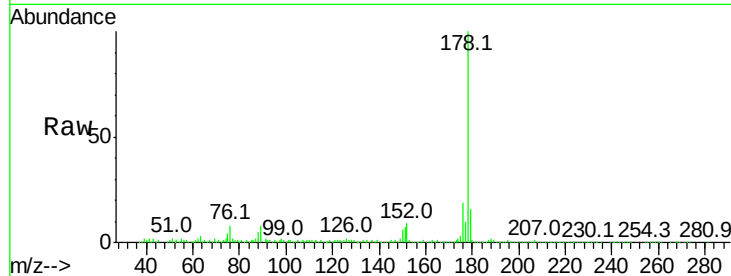
#71
 Anthracene
 Concen: 10.204 ng/ul
 RT: 17.38 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BM011940.D
 Acq: 06 Oct 2017 15:10

Instrument :
 BNA_M
 ClientSampleId :
 B-60(FILL)-092617

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.7	14.6	21.8

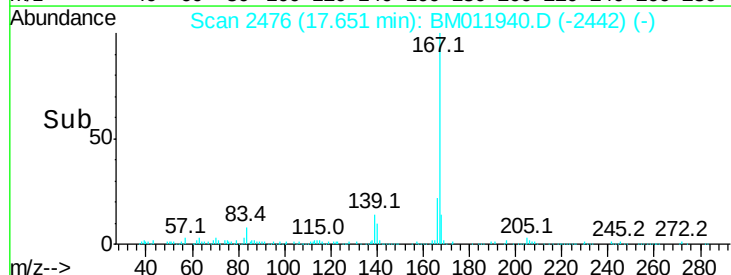
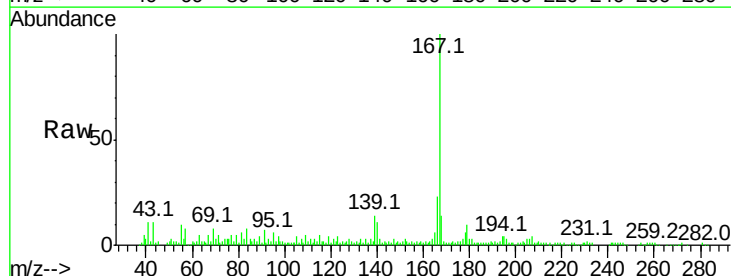
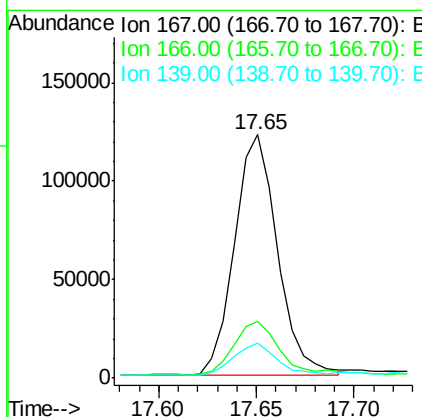
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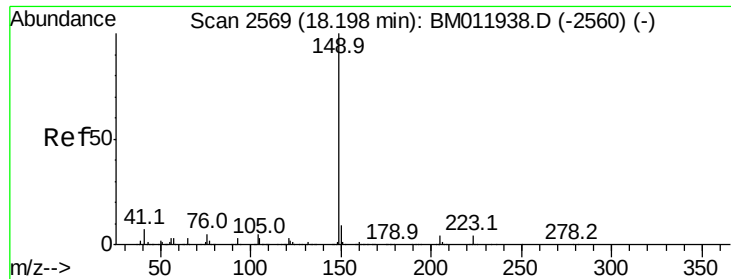
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#72
 Carbazole
 Concen: 3.318 ng/ul
 RT: 17.65 min Scan# 2476
 Delta R.T. -0.00 min
 Lab File: BM011940.D
 Acq: 06 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.1	25.7
139	14.5	10.0	15.0





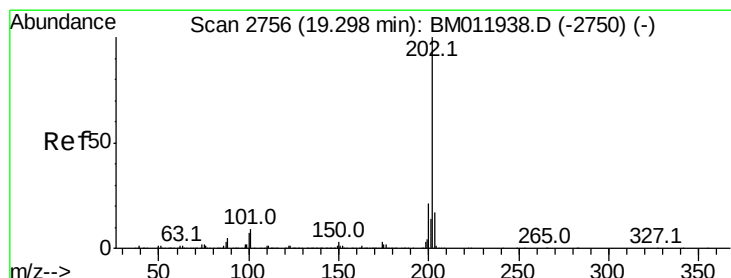
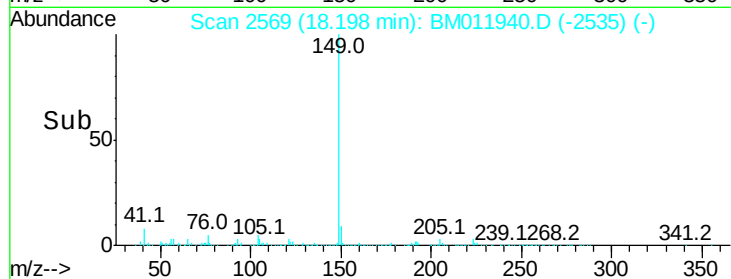
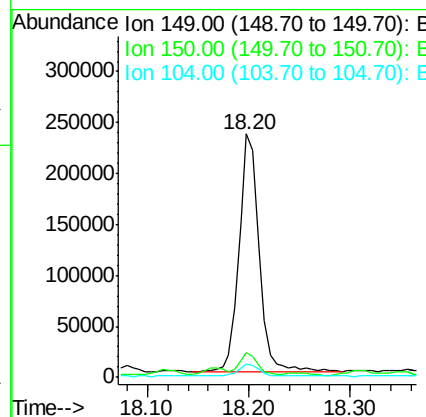
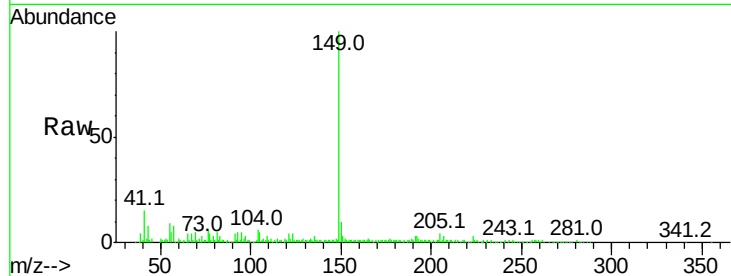
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Di-n-butylphthalate
Concen: 4.821 ng/ul
RT: 18.20 min Scan# 2569
Delta R.T. -0.00 min
Lab File: BM011940.D
Acq: 06 Oct 2017 15:10

Instrument :
BNA_M
ClientSampleId :
B-60(FILL)-092617

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	10.0	7.1	10.7	
104	5.7	5.6	8.4	

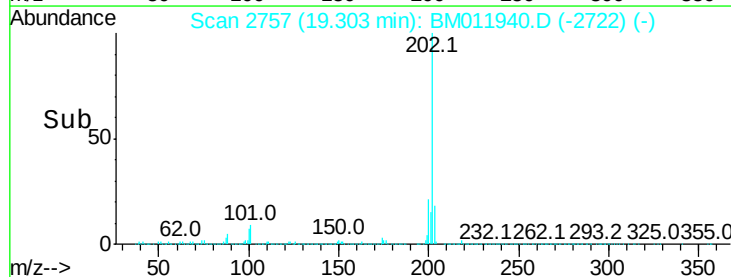
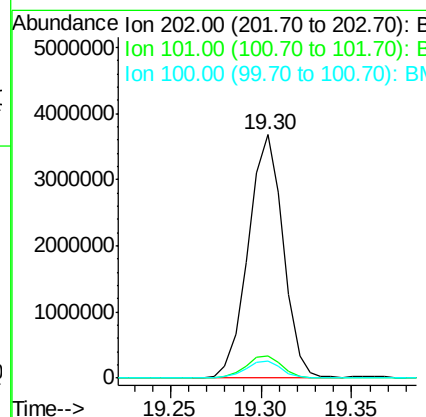
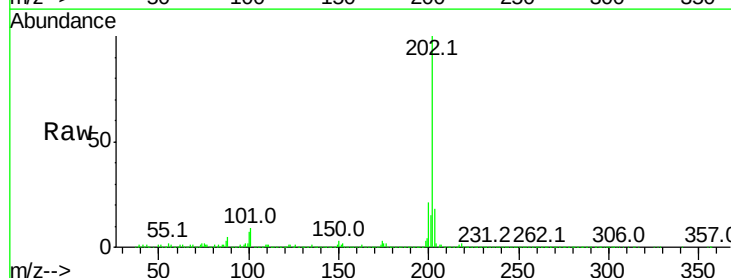
Manual Integrations
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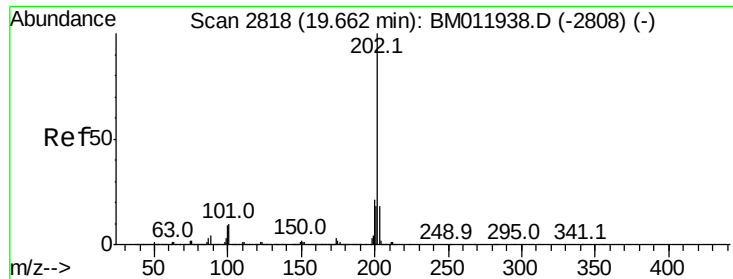
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#74
Fluoranthene
Concen: 63.465 ng/ul
RT: 19.30 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BM011940.D
Acq: 06 Oct 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.0	4.6	7.0#	
100	7.1	3.4	5.2#	





#77

Pvrene

Concen: 66.674 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

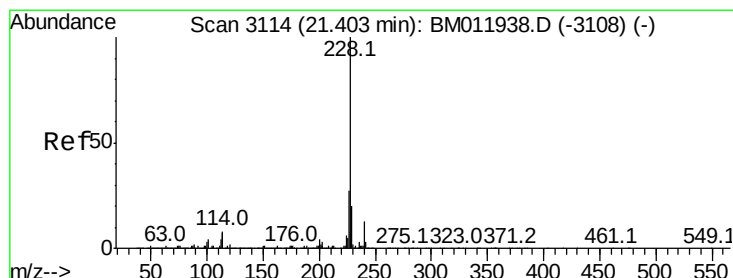
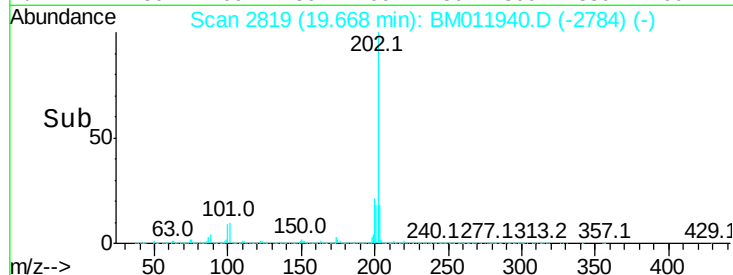
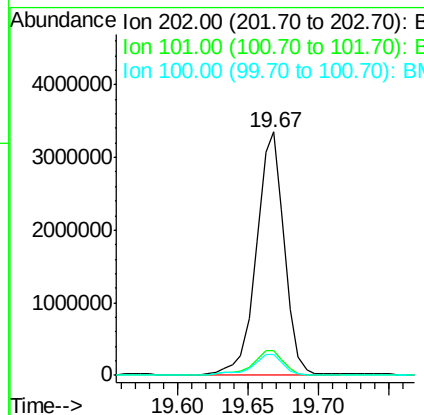
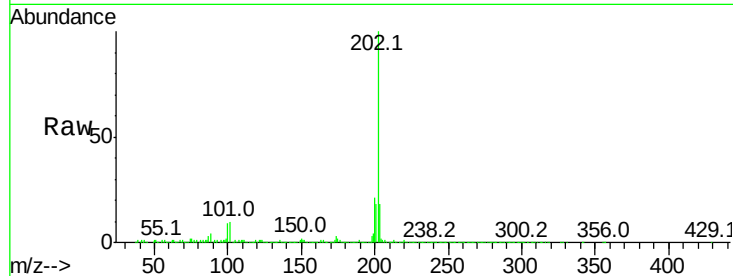
ClientSampleId :

B-60(FILL)-092617

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	5.1	7.7#
100	8.5	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 38.366 ng/ul

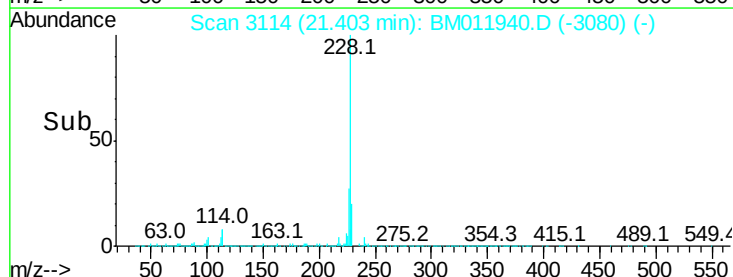
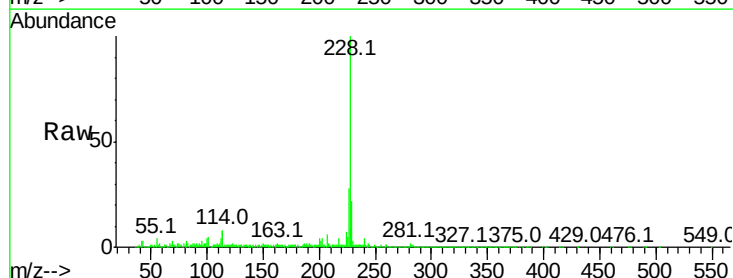
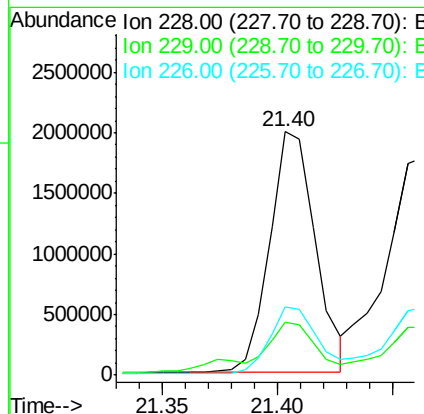
RT: 21.40 min Scan# 3114

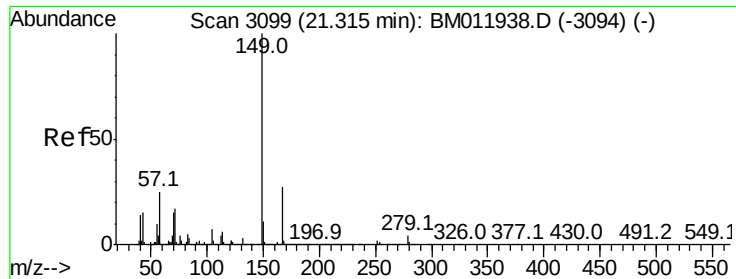
Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.4	23.0
226	27.9	21.4	32.0





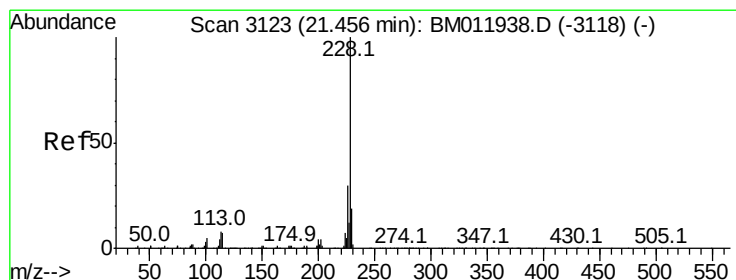
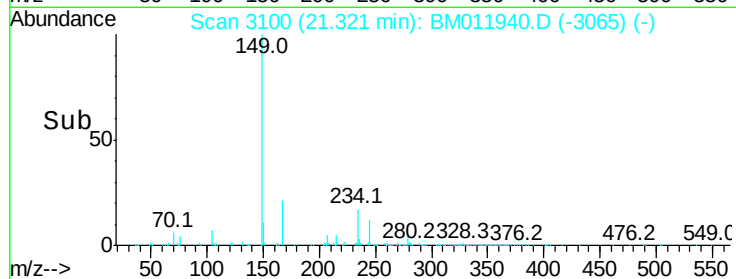
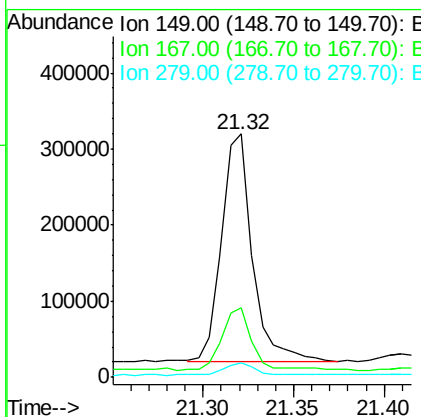
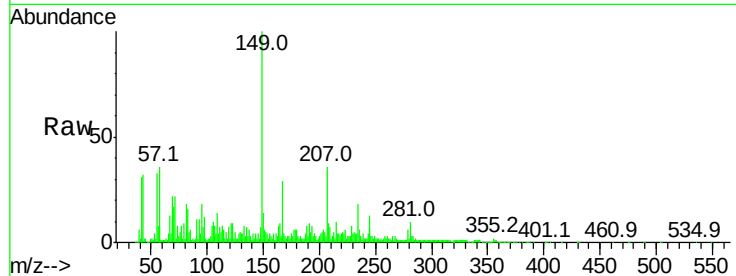
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 8.720 ng/ul
 RT: 21.32 min Scan# 3100
 Delta R.T. 0.01 min
 Lab File: BM011940.D
 Acq: 06 Oct 2017 15:10

Instrument :
 BNA_M
 ClientSampleId :
 B-60(FILL)-092617

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.8	34.2
279	5.9	4.9	7.3

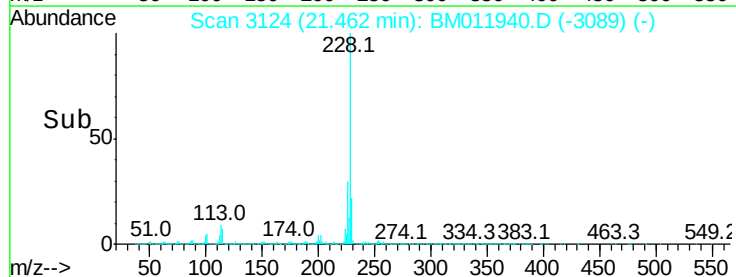
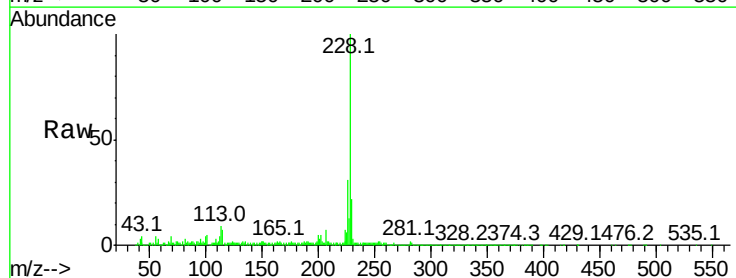
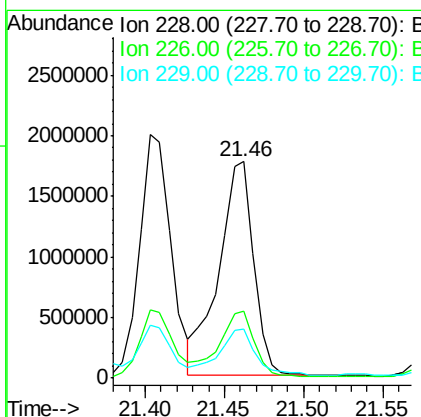
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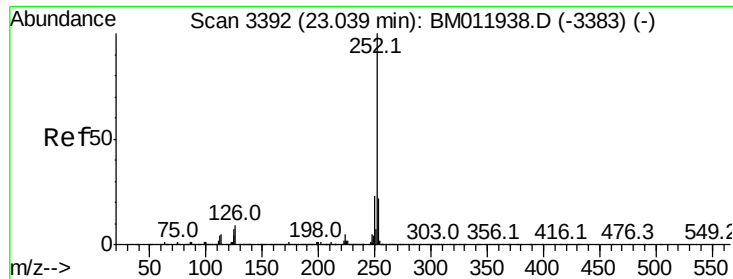
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#82
 Chrysene
 Concen: 39.913 ng/ul
 RT: 21.46 min Scan# 3124
 Delta R.T. 0.01 min
 Lab File: BM011940.D
 Acq: 06 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	22.5	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 45.891 ng/ul

RT: 23.05 min Scan# 3394

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

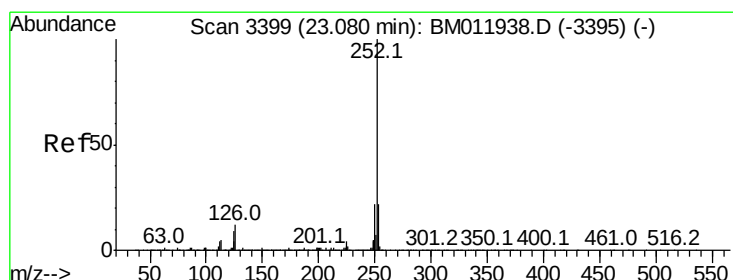
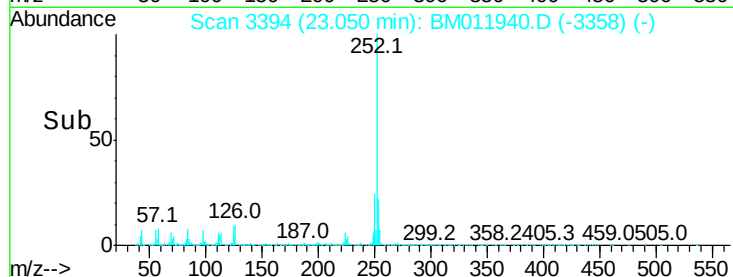
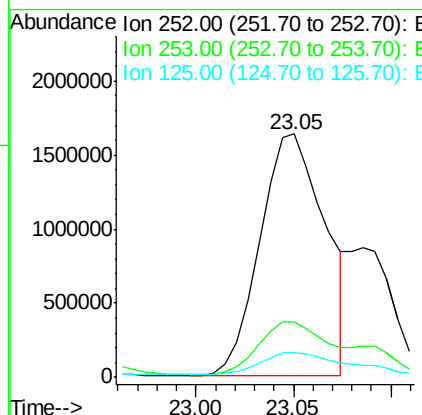
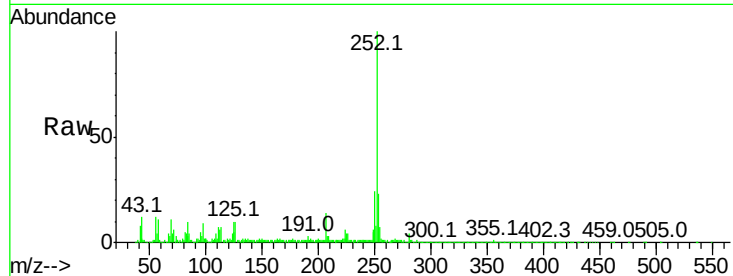
ClientSampleId :

B-60(FILL)-092617

Tot Ion:	252	Resp:	3768064
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	10.4	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 16.813 ng/ul m

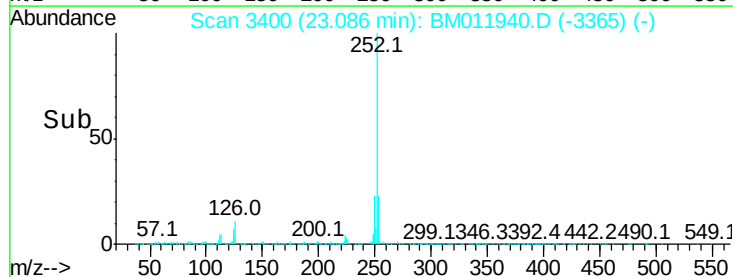
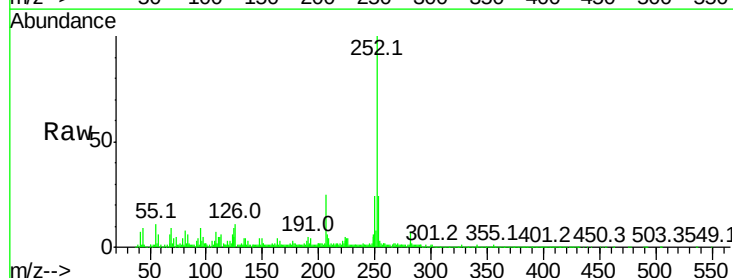
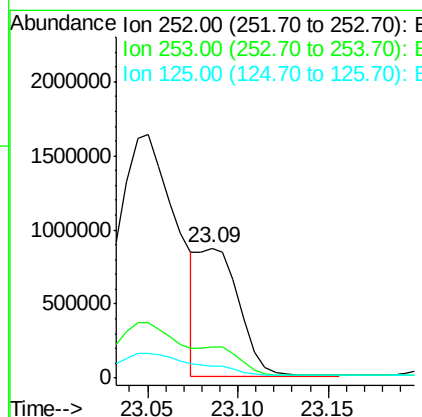
RT: 23.09 min Scan# 3400

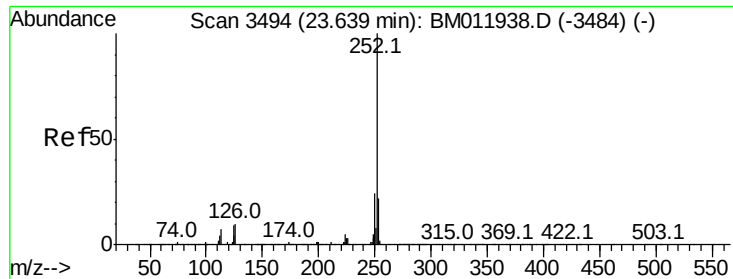
Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion:	252	Resp:	1378192
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.1	25.7
125	9.4	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 35.729 ng/ul

RT: 23.65 min Scan# 3496

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

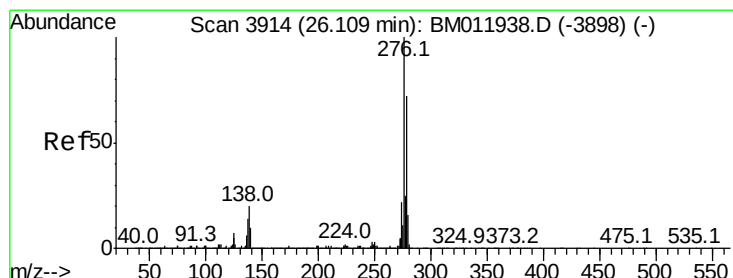
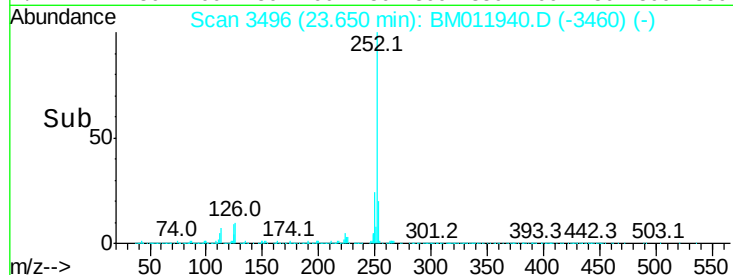
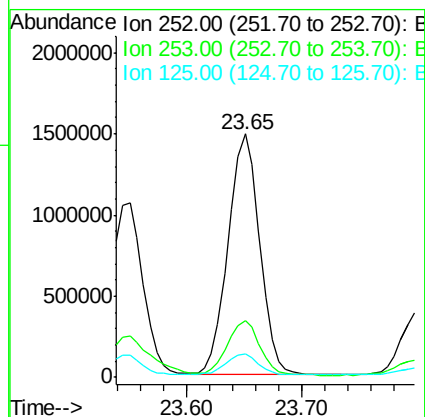
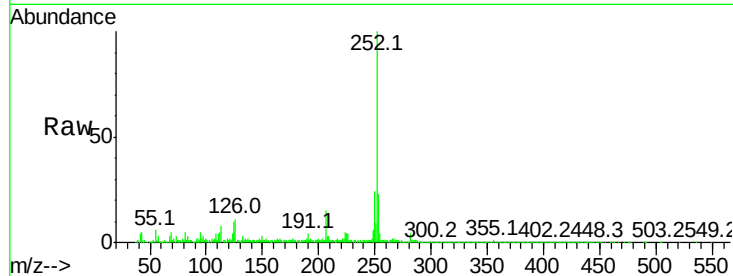
ClientSampleId :

B-60(FILL)-092617

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	9.7	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 25.125 ng/ul

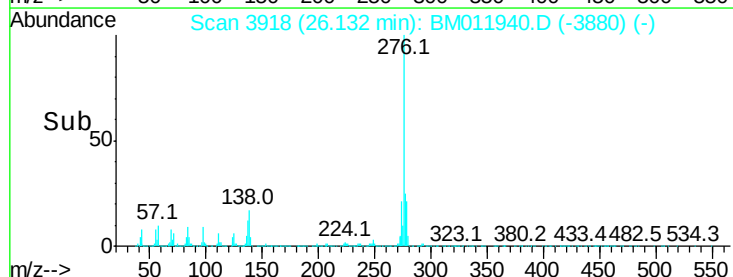
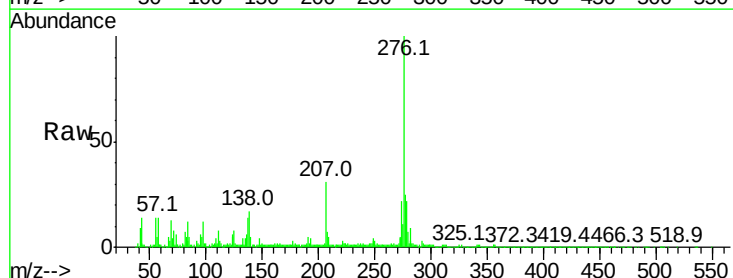
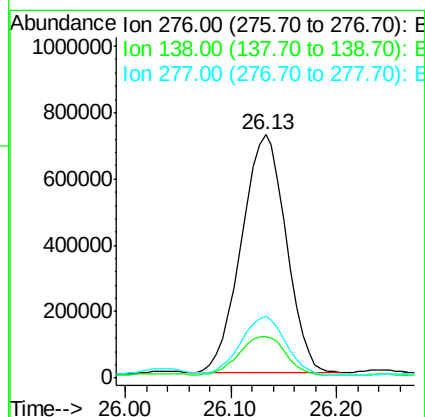
RT: 26.13 min Scan# 3918

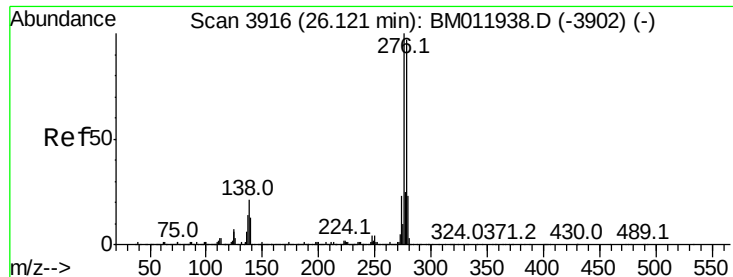
Delta R.T. 0.02 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	9.3	13.9#
277	25.3	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 7.736 ng/ul

RT: 26.13 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

B-60(FILL)-092617

Tot Ion:278 Resp: 536712

Ion Ratio Lower Upper

278 100

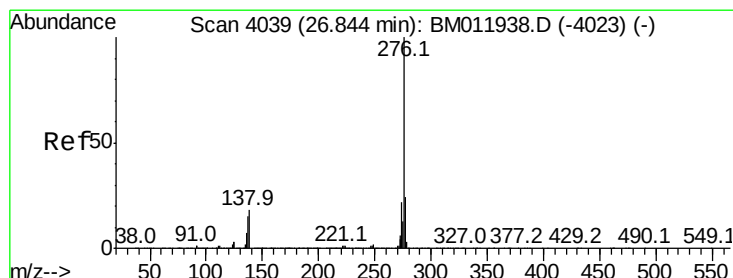
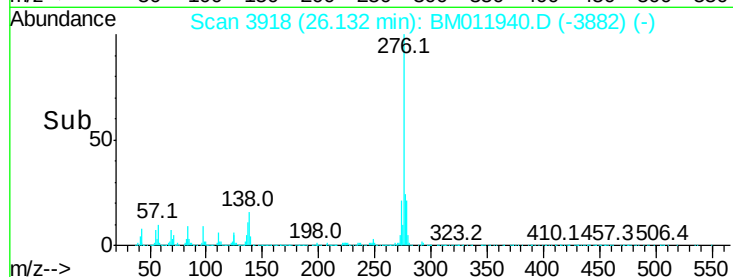
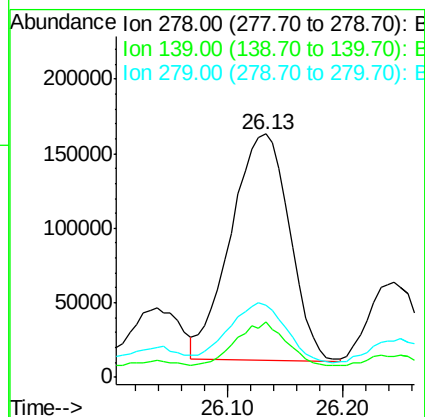
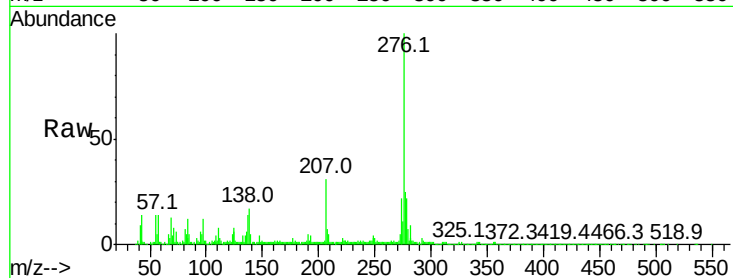
139 22.7 5.8 8.8#

279 29.7 18.6 27.8#

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#91

Benzo(g,h,i)perylene

Concen: 28.196 ng/ul

RT: 26.87 min Scan# 4043

Delta R.T. 0.02 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion:276 Resp: 1969223

Ion Ratio Lower Upper

276 100

138 18.4 8.5 12.7#

277 24.8 18.6 28.0

