

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110517\
 Data File : BM012762.D
 Acq On : 06 Nov 2017 05:11
 Operator : SJ/JU
 Sample : I5825-14MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-19(0-1)-101117MS

Manual Integrations
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 11/6/2017 4:29:02 PM

Quant Time: Nov 06 07:50:08 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	146031	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	602952	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	360100	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	679433	20.00	ng/ul	0.00
77) Chrysene-d12	21.39	240	618353	20.00	ng/ul	0.01
85) Perylene-d12	23.69	264	709976	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	13242	4.90	ng/uL	0.00
5) Phenol-d5	7.00	99	285777	26.30	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	172781	29.34	ng/ul	0.01
9) 2-Chlorophenol-d4	7.35	132	220536	24.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	211905	22.59	ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	141945	31.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	72892	14.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	201597	19.29	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	116027	11.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	995248	33.40	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	1222203	33.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	223	0.05	ng/ul	0.00
57) Fluorene-d10	15.45	176	828154	32.45	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.51	200	1294	0.29	ng/ul	-0.06
70) Anthracene-d10	17.30	188	1096545	33.40	ng/ul	0.00
78) Pyrene-d10	19.60	212	999180	34.82	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	1130503	33.68	ng/ul	0.03

Target Compounds

					Qvalue
4) Benzaldehyde	6.96	77	17437	3.017	ng/ul 96
6) Phenol	7.02	94	361760	32.433	ng/ul 95
10) 2-Chlorophenol	7.39	128	238456	25.574	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.62	70	175290	25.837	ng/ul 97
33) 4-Chloro-3-methylphenol	11.90	107	280117	28.286	ng/ul 96
44) Dimethylphthalate	13.91	163	513158	17.354	ng/ul 99
47) Acenaphthylene	14.17	152	58054	1.625	ng/ul 97
49) Acenaphthene	14.52	153	703206	28.894	ng/ul 97
54) 2,4-Dinitrotoluene	14.83	165	224872	25.833	ng/ul 95
60) 4-Nitroaniline	15.53	138	18261	3.143	ng/ul 92
69) Phenanthrene	17.24	178	263140	7.086	ng/ul 99
71) Anthracene	17.33	178	89850	2.333	ng/ul 99
75) Di-n-butylphthalate	18.16	149	136490	3.627	ng/ul 98
76) Fluoranthene	19.26	202	610612	13.683	ng/ul# 92
79) Pyrene	19.63	202	1656879	44.911	ng/ul# 91
80) Butylbenzylphthalate	20.52	149	32525	2.418	ng/ul# 83
82) Benzo(a)anthracene	21.37	228	336631	8.997	ng/ul# 93
83) Bis(2-ethylhexyl)phthalate	21.29	149	547789	27.949	ng/ul# 94
84) Chrysene	21.42	228	402287	11.863	ng/ul# 94
87) Benzo(b)fluoranthene	22.99	252	638375	14.713	ng/ul# 91
88) Benzo(k)fluoranthene	23.03	252	212210m	5.146	ng/ul
90) Benzo(a)pyrene	23.59	252	399510	9.677	ng/ul# 87
91) Indeno(1,2,3-cd)pyrene	26.02	276	343093	6.895	ng/ul# 87

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B-19(0-1)-101117MS

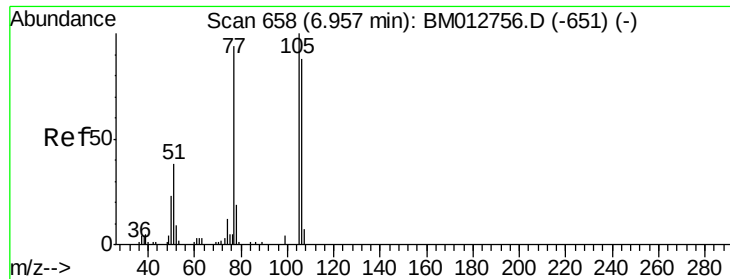
Manual Integrations
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Quant Time: Nov 06 07:50:08 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 07:19:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	26.02	278	88501	2.101	ng/ul#	54
93) Benzo(g,h,i)perylene	26.74	276	327842	7.996	ng/ul#	88

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



#4

Benzaldehyde

Concen: 3.017 ng/ul

RT: 6.96 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

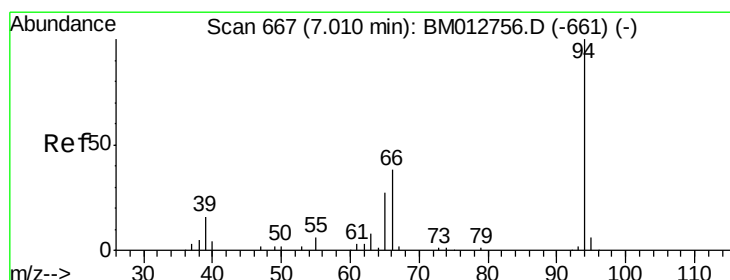
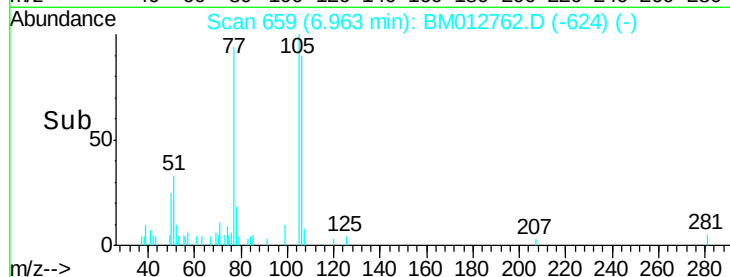
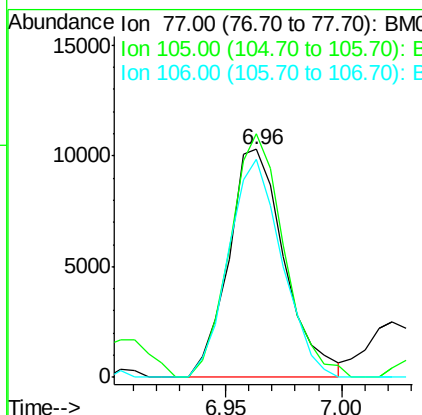
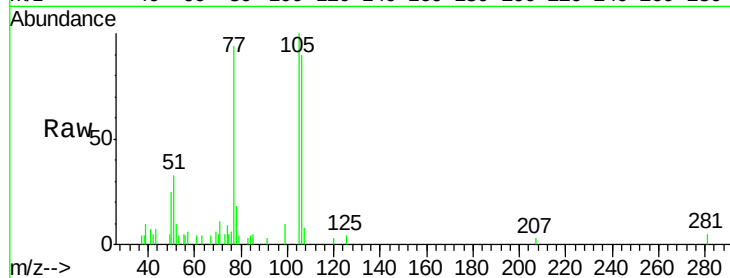
ClientSampleId :

B-19(0-1)-101117MS

Tgt Ion	Ratio	Lower	Upper
77	100		
105	106.9	80.6	120.8
106	95.9	77.7	116.5

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#6

Phenol

Concen: 32.433 ng/ul

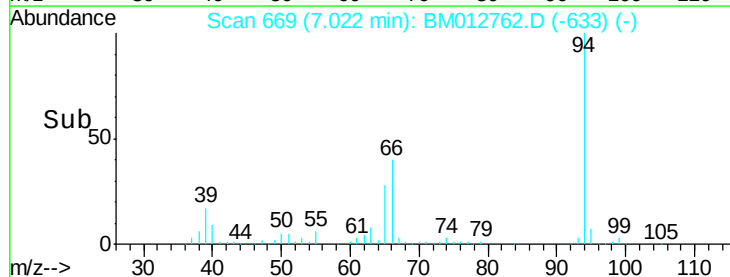
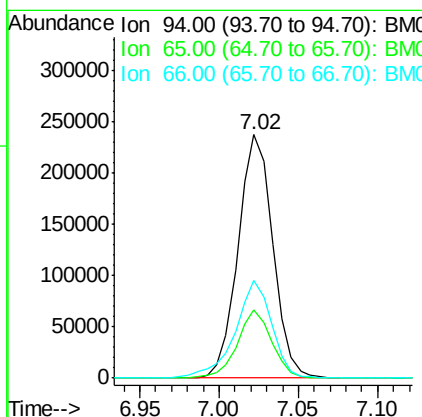
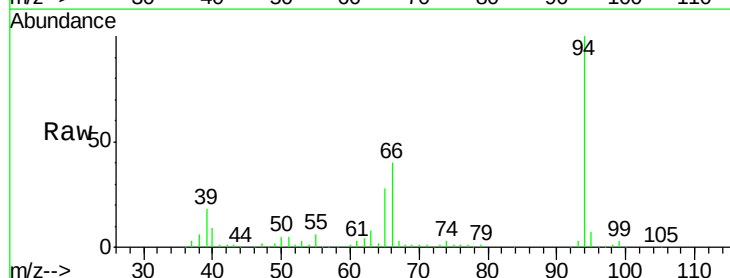
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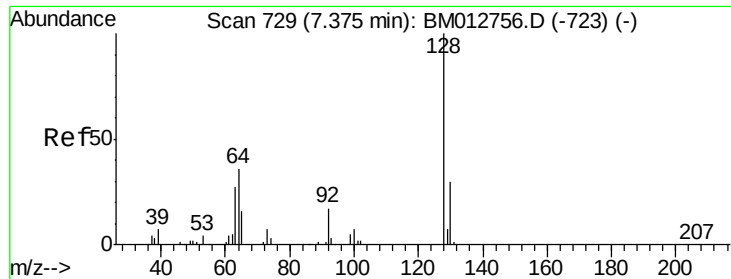
Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.2	21.0	31.6
66	40.4	29.3	43.9





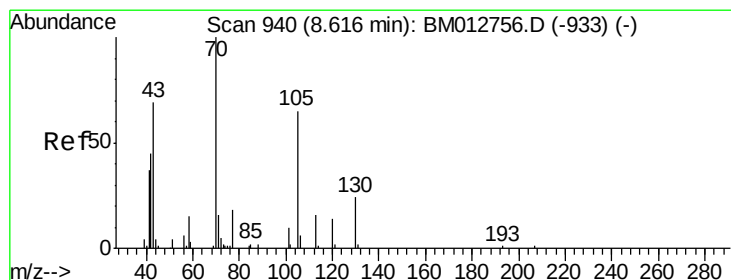
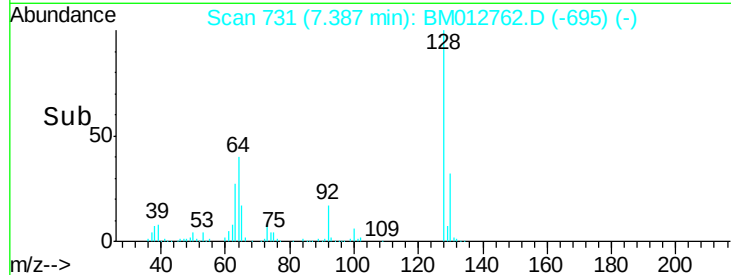
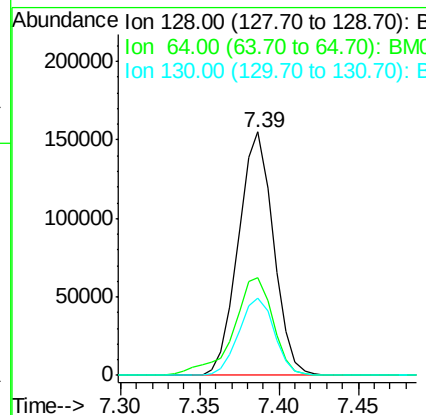
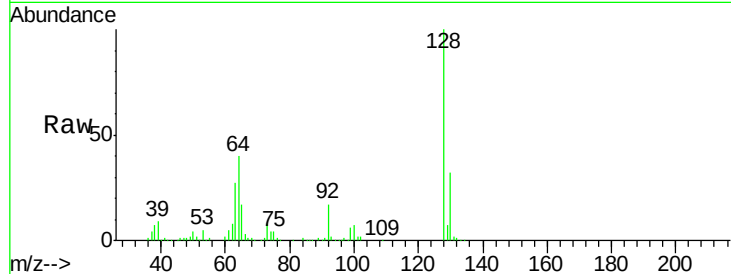
#10
2-Chlorophenol
Concen: 25.574 ng/ul
RT: 7.39 min Scan# 731
Delta R.T. 0.01 min
Lab File: BM012762.D
Acq: 06 Nov 2017 05:11

Instrument :
BNA_M
ClientSampleId :
B-19(0-1)-101117MS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	238456		
64	40.3	31.9	47.9	
130	31.6	25.6	38.4	

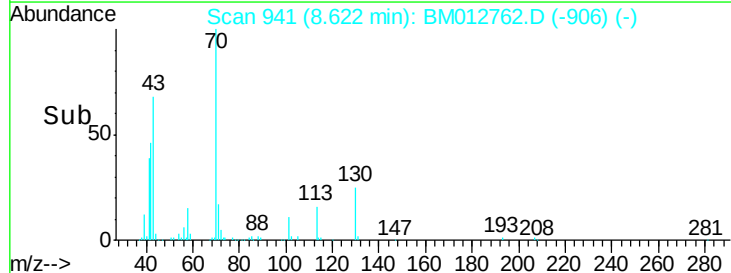
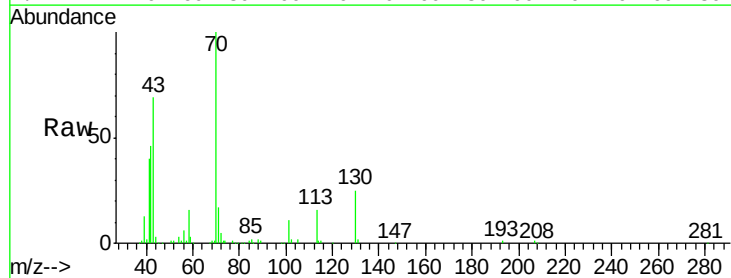
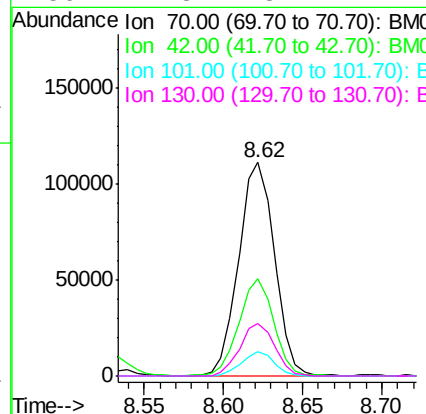
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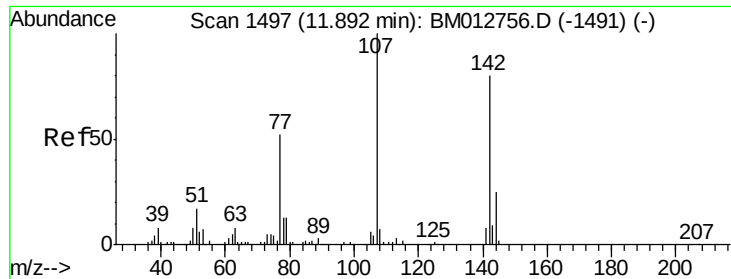
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#15
N-Nitroso-di-n-propylamine
Concen: 25.837 ng/ul
RT: 8.62 min Scan# 941
Delta R.T. 0.01 min
Lab File: BM012762.D
Acq: 06 Nov 2017 05:11

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	175290		
42	45.7	35.4	53.0	
101	11.1	8.4	12.6	
130	24.8	18.2	27.4	





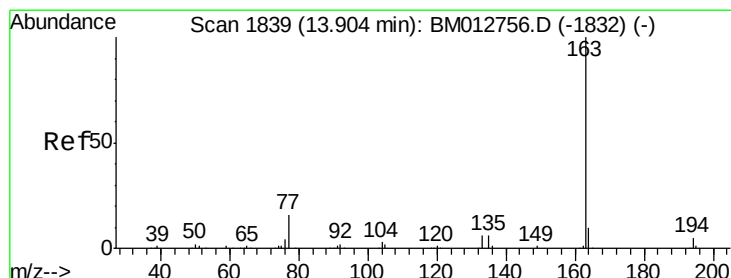
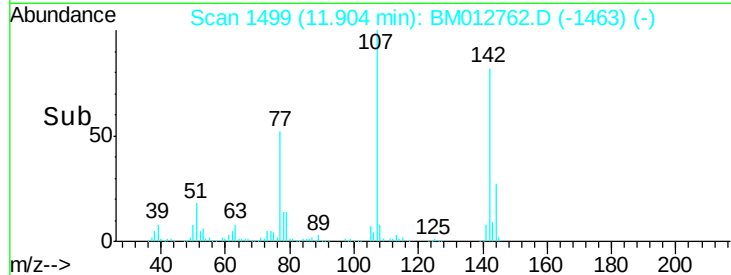
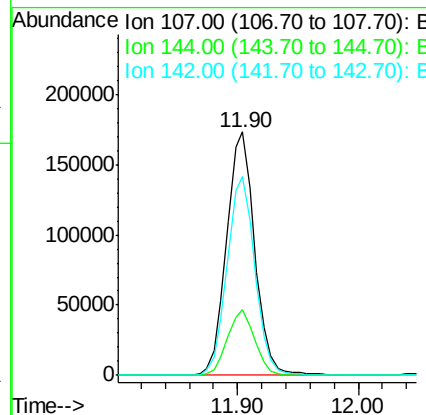
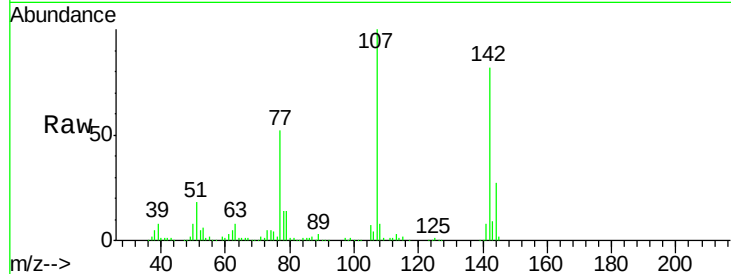
#33
 4-Chloro-3-methylphenol
 Concen: 28.286 ng/ul
 RT: 11.90 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

Instrument :
 BNA_M
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 B-19(0-1)-101117MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
144	26.8	20.4	30.6
142	81.7	62.5	93.7

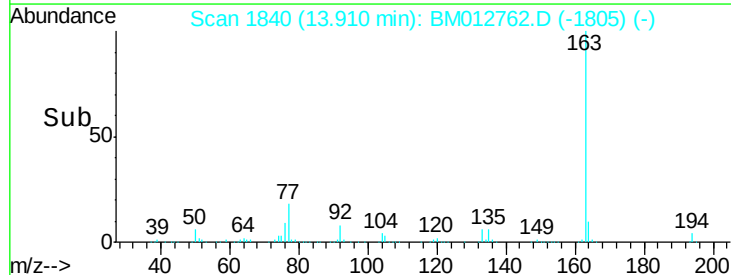
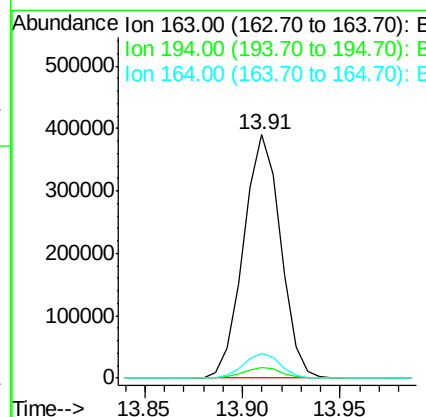
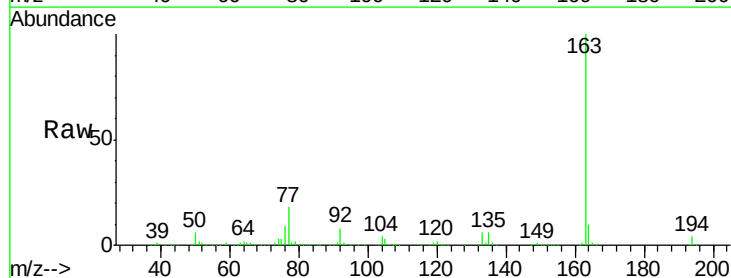
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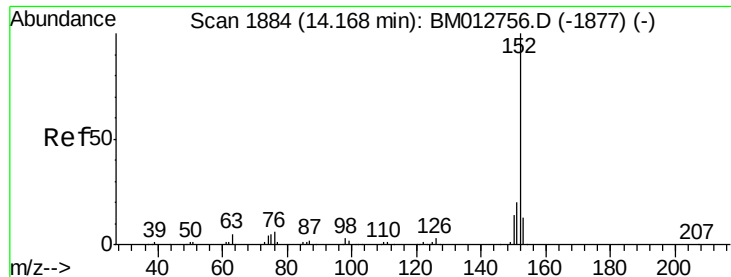
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#44
 Dimethylphthalate
 Concen: 17.354 ng/ul
 RT: 13.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.2	3.2	4.8
164	10.1	7.8	11.8





#47

Acenaphthylene

Concen: 1.625 ng/ul

RT: 14.17 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

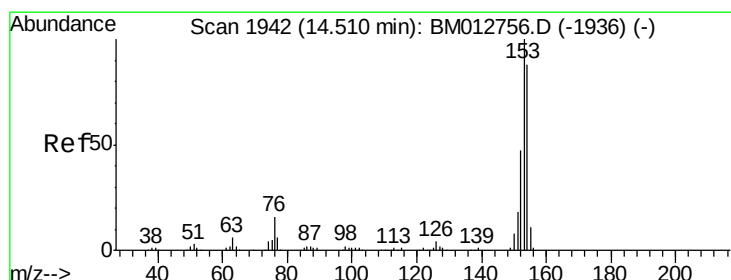
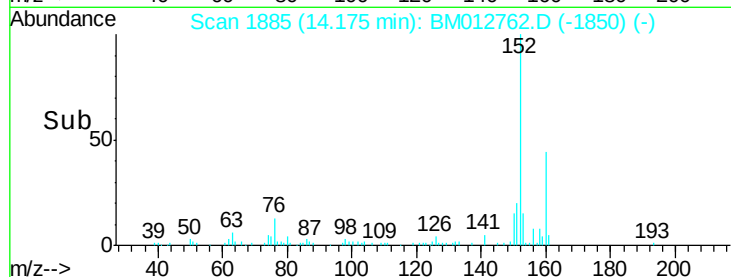
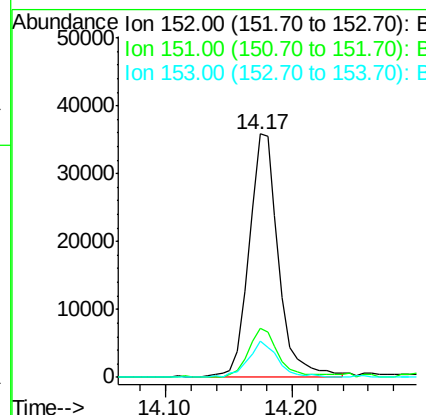
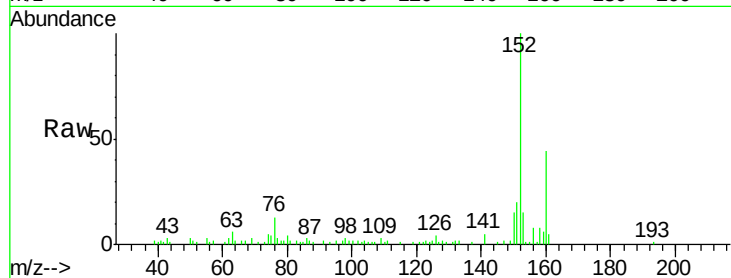
ClientSampleId :

B-19(0-1)-101117MS

Tgt Ion:	152	Resp:	58054
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.7	23.5
153	15.0	10.5	15.7

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#49

Acenaphthene

Concen: 28.894 ng/ul

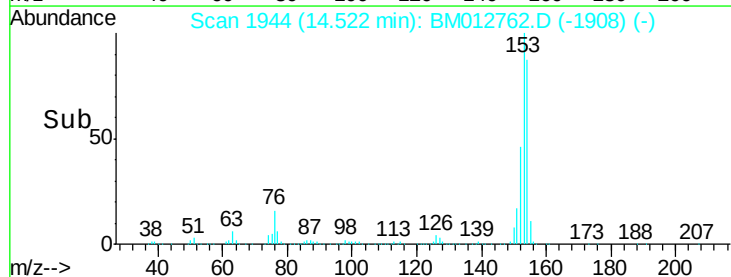
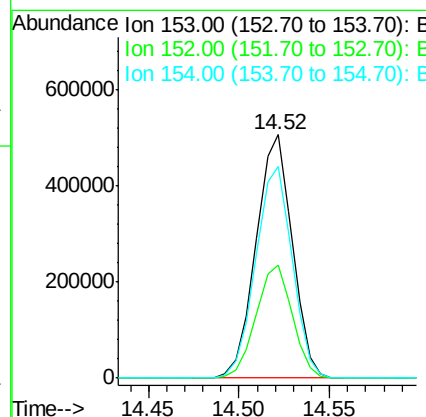
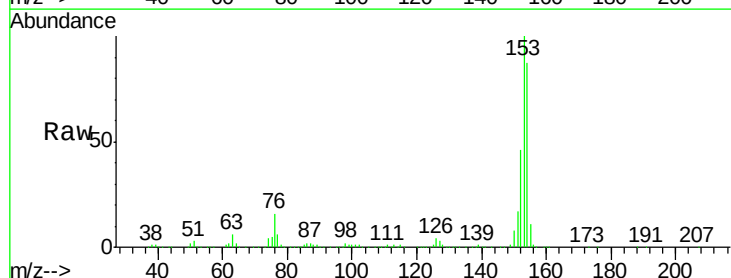
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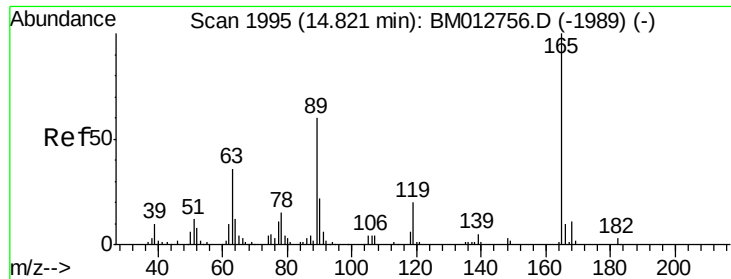
Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Tgt Ion:	153	Resp:	703206
Ion Ratio	Lower	Upper	
153	100		
152	46.2	38.3	57.5
154	86.9	71.8	107.8





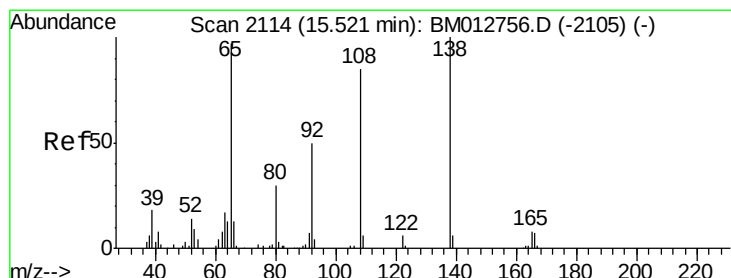
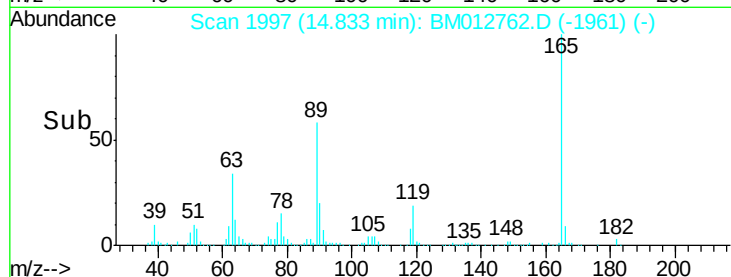
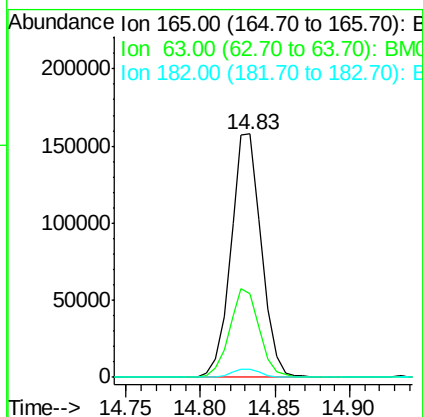
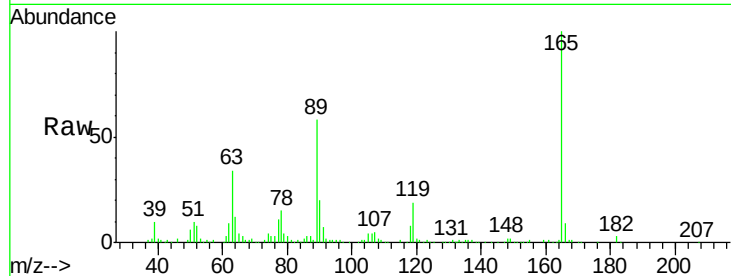
#54
 2,4-Dinitrotoluene
 Concen: 25.833 ng/ul
 RT: 14.83 min Scan# 1997
 Delta R.T. 0.01 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

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 B-19(0-1)-101117MS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	224872		
63	34.3	29.8	44.6	
182	3.3	2.2	3.4	

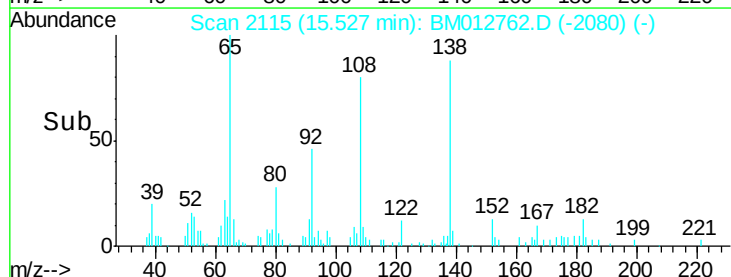
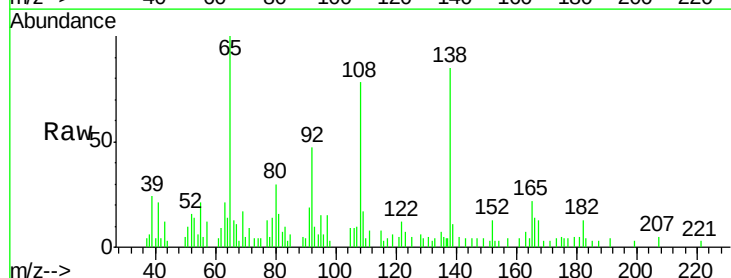
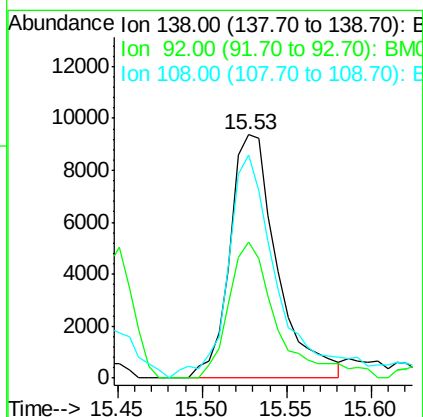
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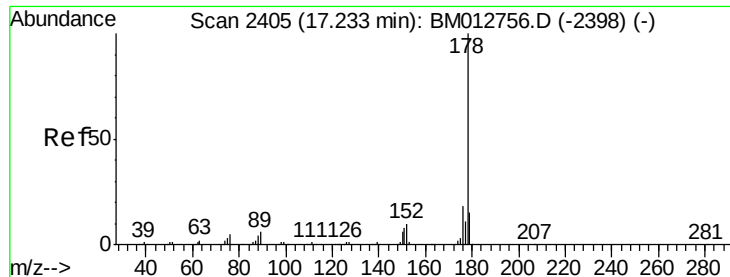
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#60
 4-Nitroaniline
 Concen: 3.143 ng/ul
 RT: 15.53 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: BM012762.D
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Tgt Ion	Ratio	Resp	Lower	Upper
138	100	18261		
92	55.8	40.6	60.8	
108	91.7	67.0	100.6	





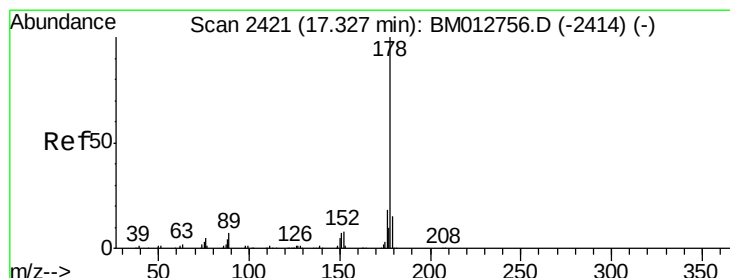
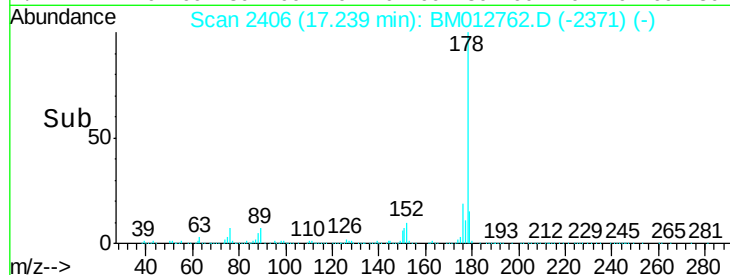
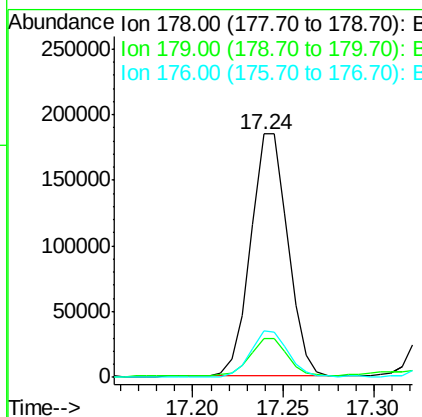
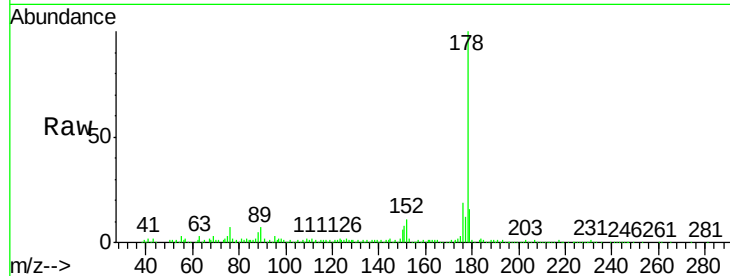
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Phenanthrene
Concen: 7.086 ng/ul
RT: 17.24 min Scan# 2406
Delta R.T. 0.01 min
Lab File: BM012762.D
Acq: 06 Nov 2017 05:11

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
178	100	263140		
179	15.9	12.2	18.4	
176	18.9	15.6	23.4	

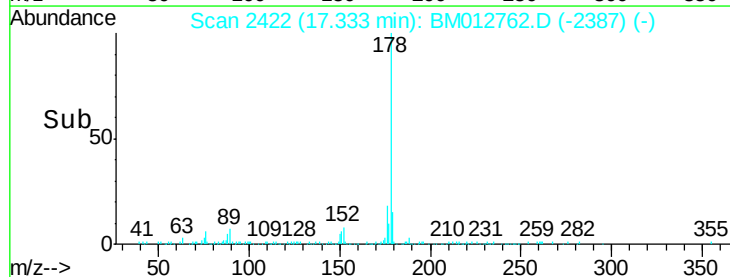
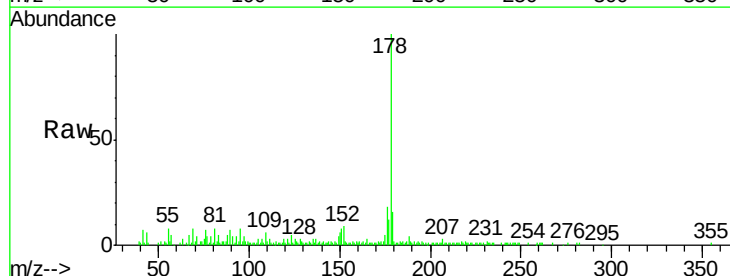
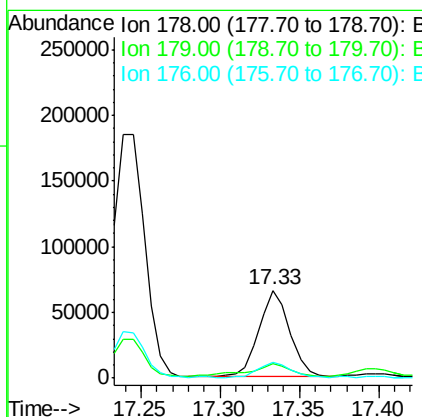
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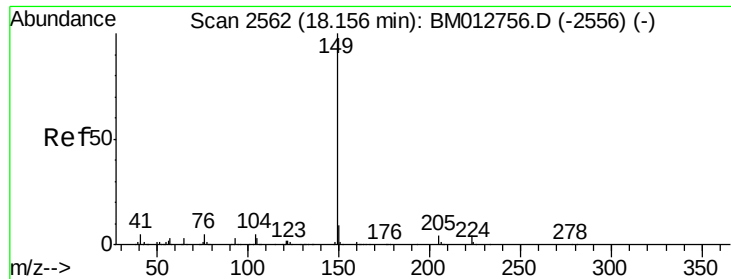
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#71
Anthracene
Concen: 2.333 ng/ul
RT: 17.33 min Scan# 2422
Delta R.T. 0.01 min
Lab File: BM012762.D
Acq: 06 Nov 2017 05:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	89850		
179	16.1	12.1	18.1	
176	18.5	14.8	22.2	





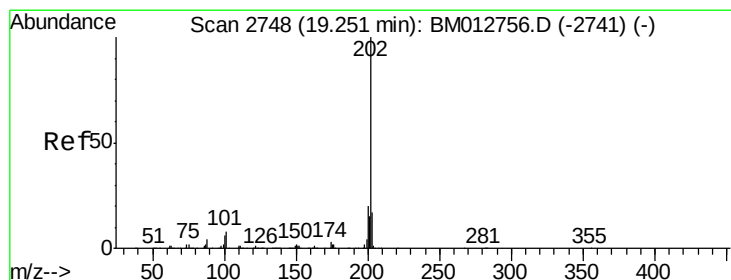
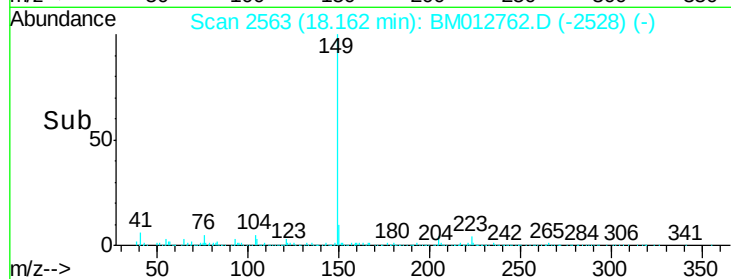
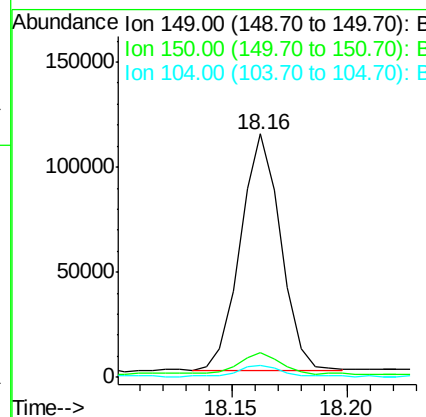
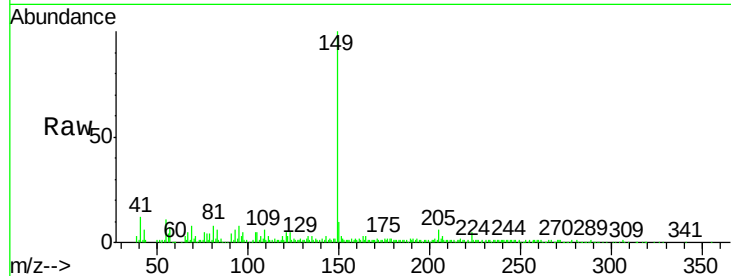
#75
Di-n-butylphthalate
Concen: 3.627 ng/ul
RT: 18.16 min Scan# 2563
Delta R.T. 0.01 min
Lab File: BM012762.D
Acq: 06 Nov 2017 05:11

Instrument :
BNA_M
ClientSampleId :
B-19(0-1)-101117MS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	136490		
150	10.3	7.4	11.0	
104	5.2	4.0	6.0	

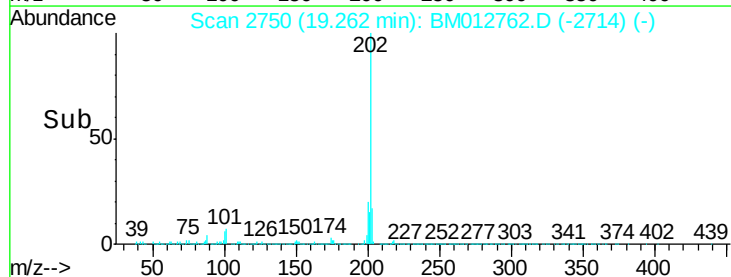
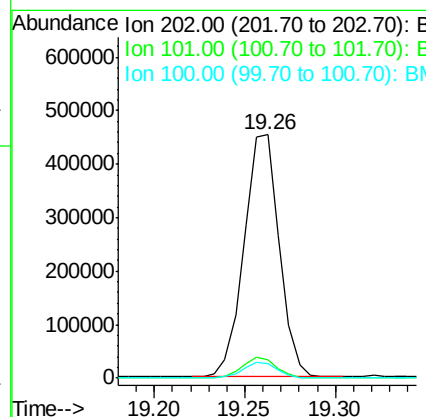
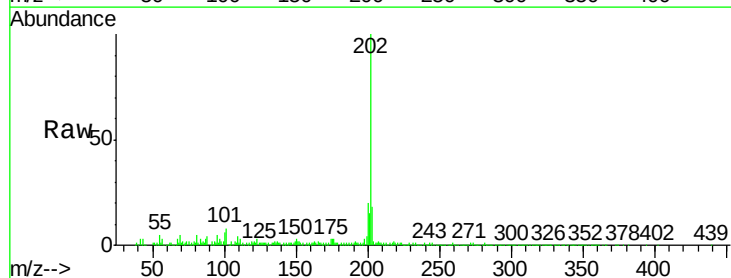
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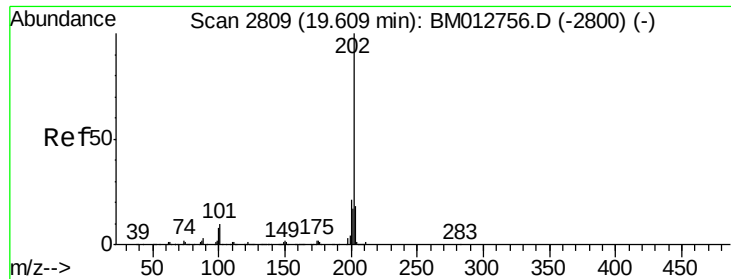
Sohil
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#76
Fluoranthene
Concen: 13.683 ng/ul
RT: 19.26 min Scan# 2750
Delta R.T. 0.01 min
Lab File: BM012762.D
Acq: 06 Nov 2017 05:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	610612		
101	7.6	8.8	13.2#	
100	5.9	6.6	9.8#	





#79

Pyrene

Concen: 44.911 ng/ul

RT: 19.63 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

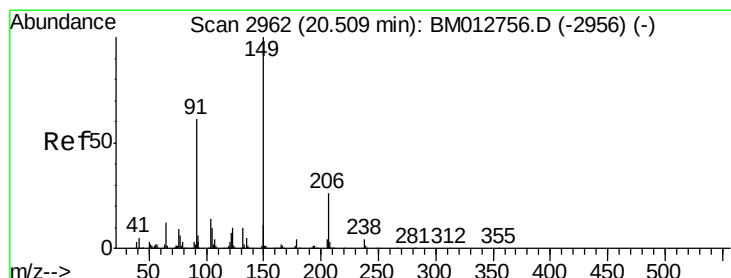
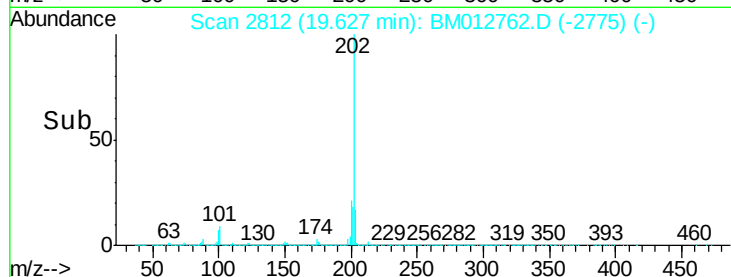
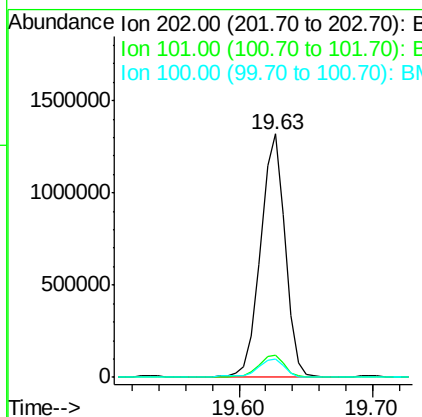
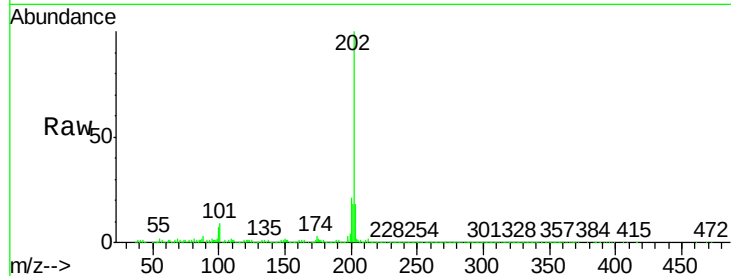
ClientSampleId :

B-19(0-1)-101117MS

Tgt Ion:	202	Resp:	1656879
Ion Ratio	Lower	Upper	
202	100		
101	9.1	10.2	15.2#
100	7.4	8.5	12.7#

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 2.418 ng/ul

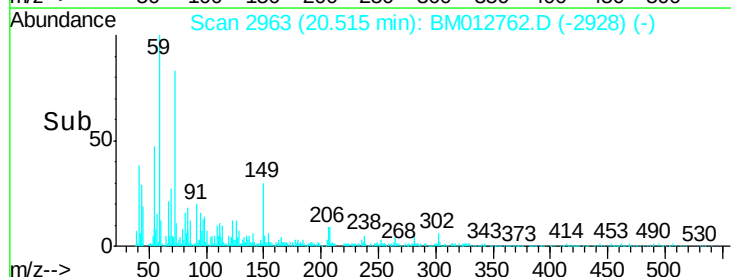
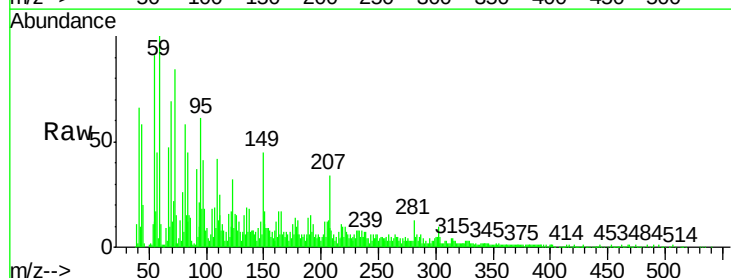
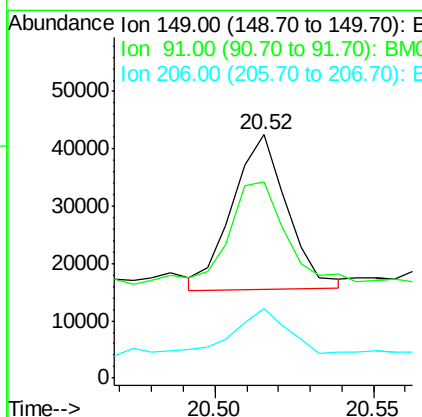
RT: 20.52 min Scan# 2963

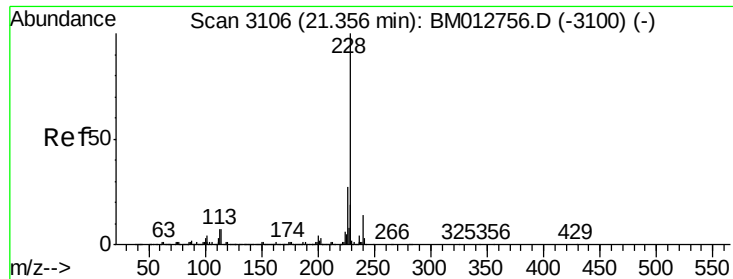
Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Tgt Ion:	149	Resp:	32525
Ion Ratio	Lower	Upper	
149	100		
91	80.8	53.4	80.2#
206	28.7	16.6	24.8#





#82

Benzo(a)anthracene

Concen: 8.997 ng/ul

RT: 21.37 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

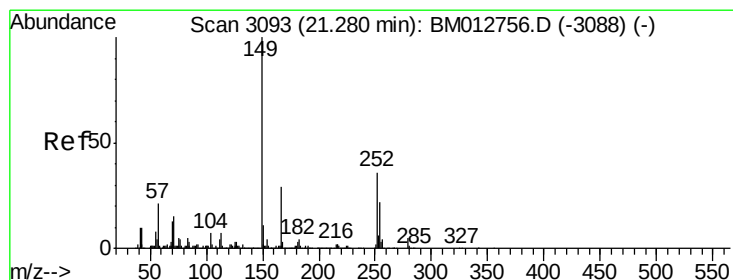
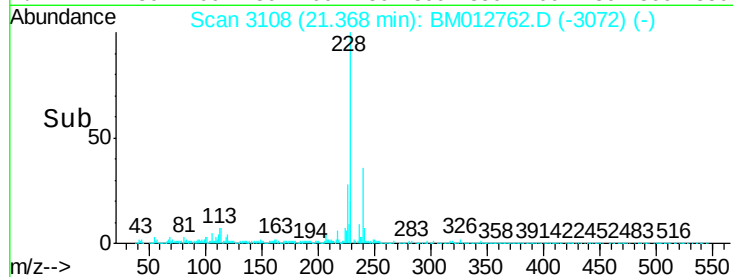
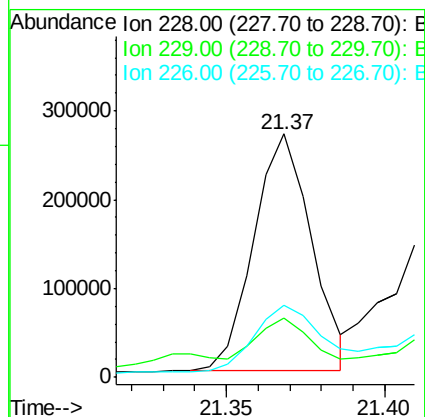
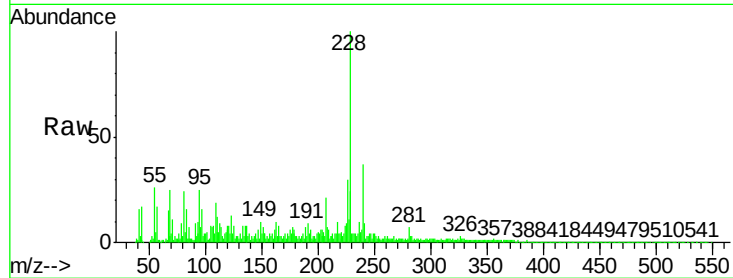
ClientSampleId :

B-19(0-1)-101117MS

Tgt Ion:	228	Resp:	336631
Ion Ratio	Lower	Upper	
228	100		
229	24.2	15.7	23.5#
226	29.5	21.8	32.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 27.949 ng/ul

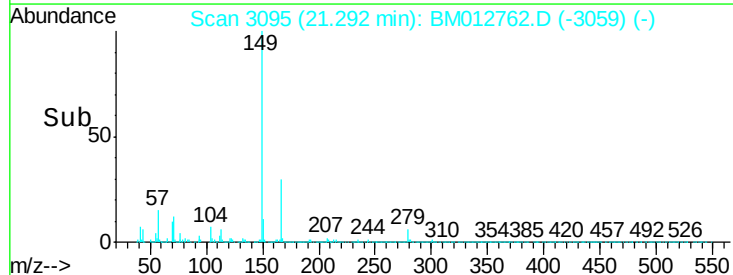
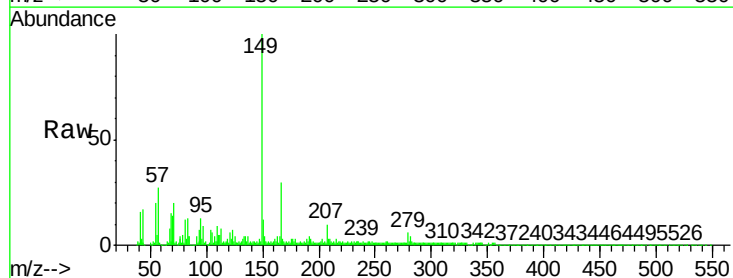
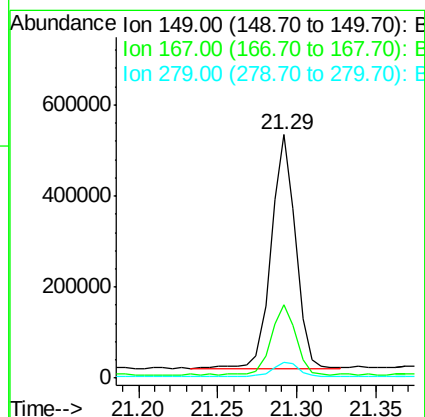
RT: 21.29 min Scan# 3095

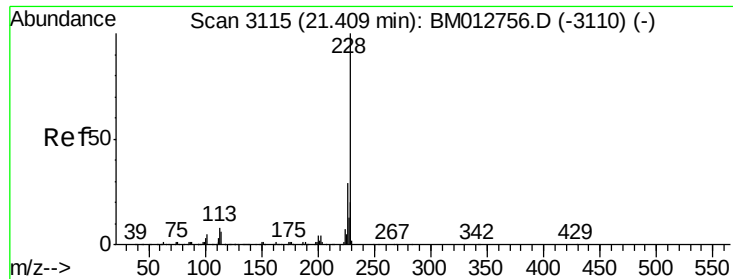
Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Tgt Ion:	149	Resp:	547789
Ion Ratio	Lower	Upper	
149	100		
167	30.0	21.6	32.4
279	6.4	3.0	4.4#





#84

Chrysene

Concen: 11.863 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

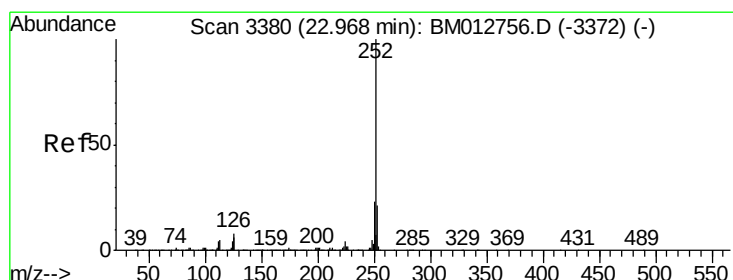
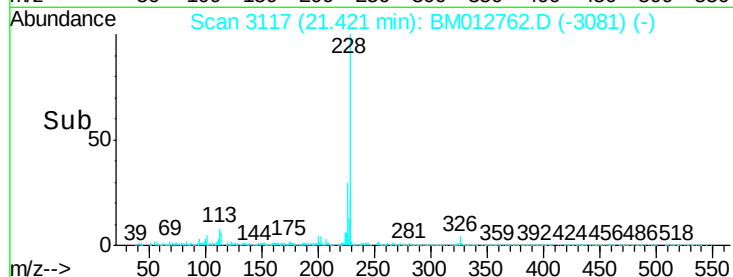
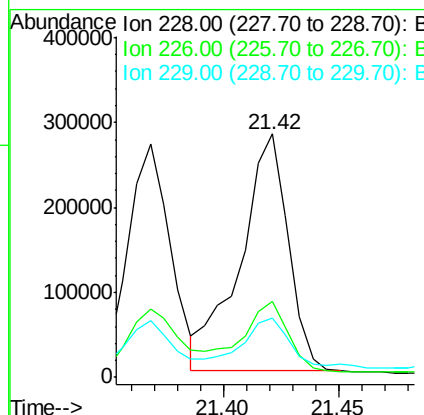
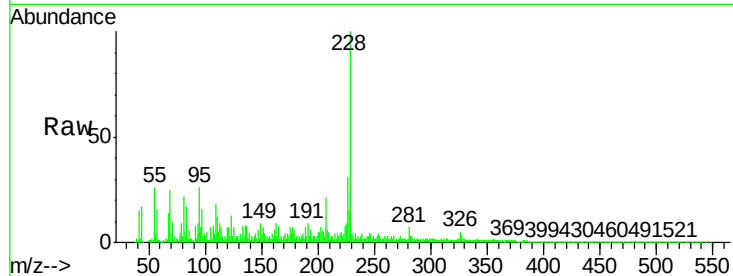
ClientSampleId :

B-19(0-1)-101117MS

Tgt Ion:	228	Resp:	402287
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.0	36.0
229	24.5	15.6	23.4#

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#87

Benzo(b)fluoranthene

Concen: 14.713 ng/ul

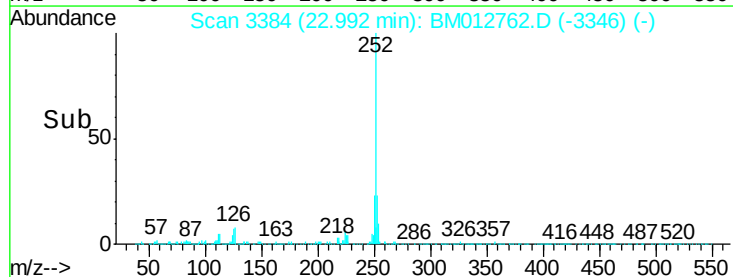
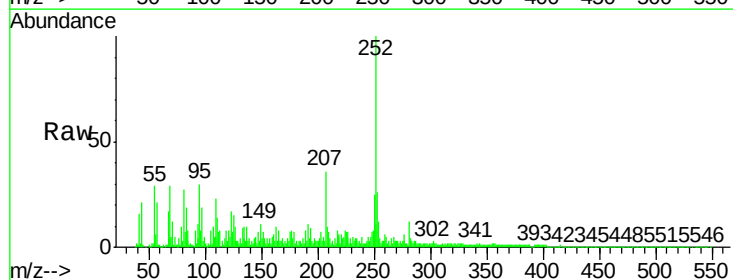
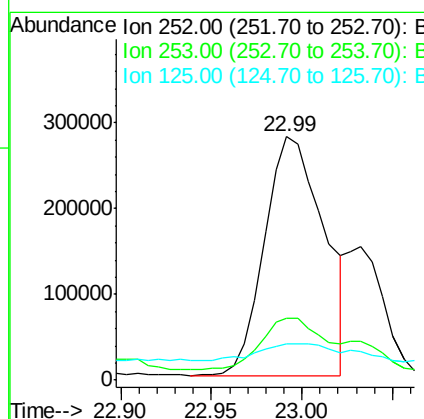
RT: 22.99 min Scan# 3384

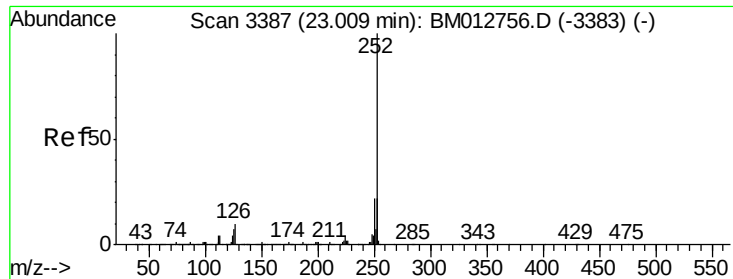
Delta R.T. 0.02 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Tgt Ion:	252	Resp:	638375
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.5	26.3
125	15.0	8.5	12.7#





#88

Benzo(k)fluoranthene

Concen: 5.146 ng/ul m

RT: 23.03 min Scan# 3391

Delta R.T. 0.02 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

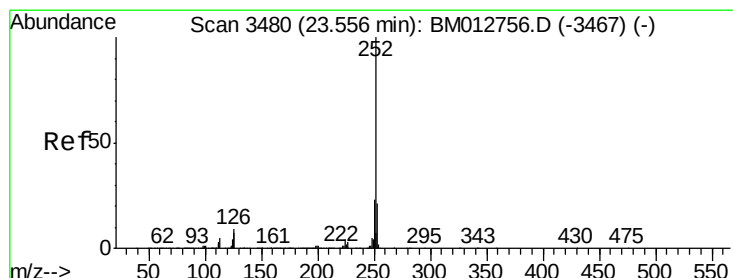
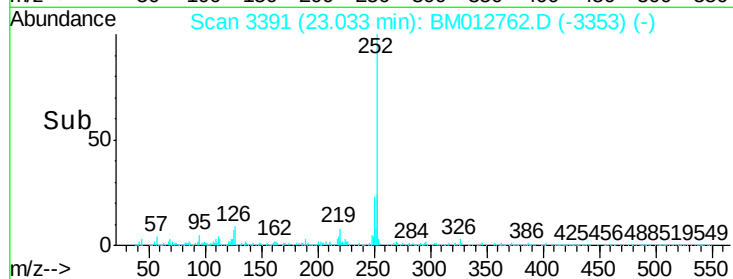
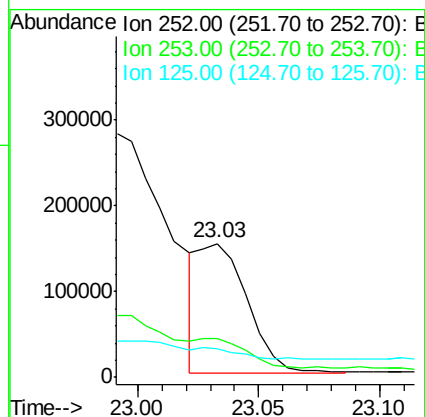
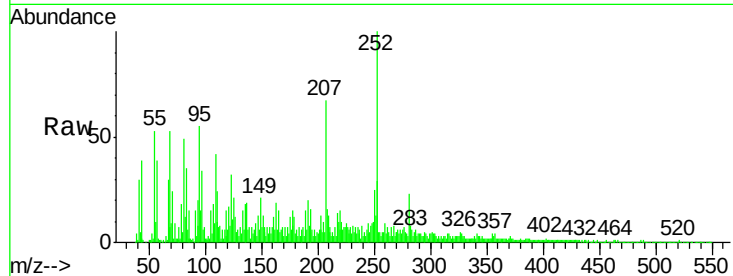
ClientSampleId :

B-19(0-1)-101117MS

Tgt Ion:	252	Resp:	212210
Ion Ratio	Lower	Upper	
252	100		
253	28.7	17.3	25.9#
125	21.1	8.2	12.2#

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#90

Benzo(a)pyrene

Concen: 9.677 ng/ul

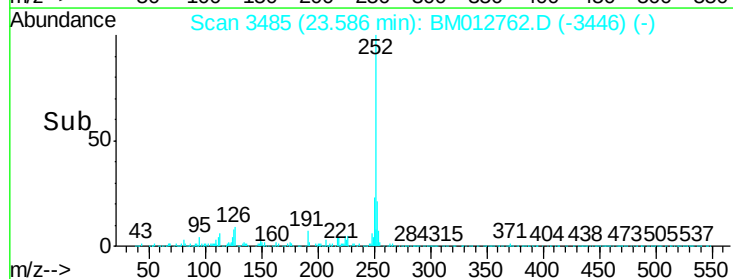
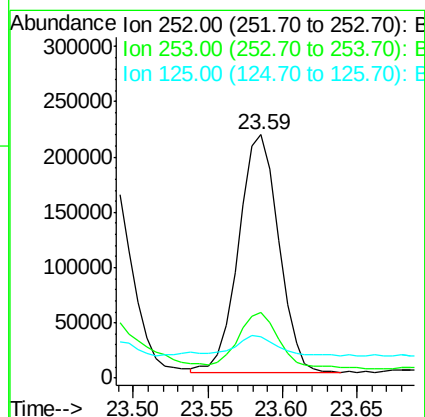
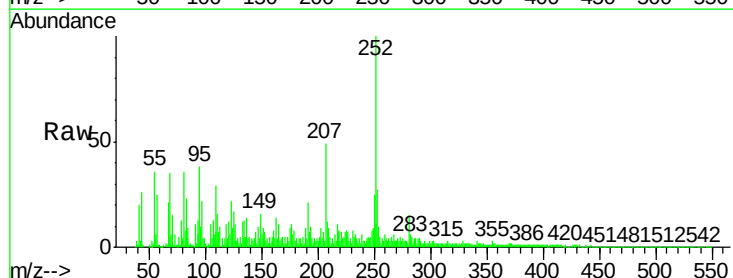
RT: 23.59 min Scan# 3485

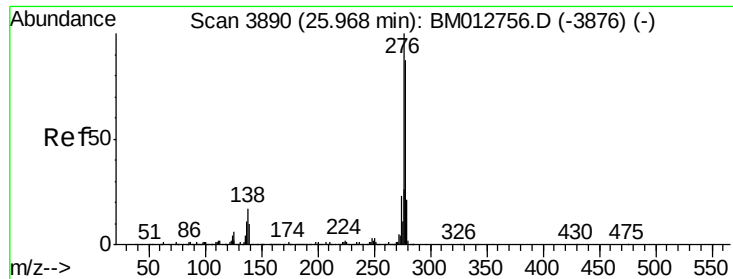
Delta R.T. 0.03 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Tgt Ion:	252	Resp:	399510
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.2	25.8#
125	17.2	9.0	13.6#





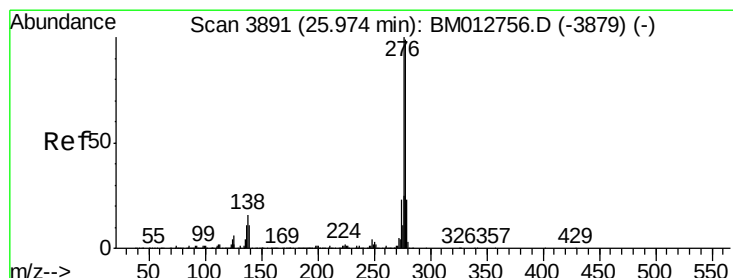
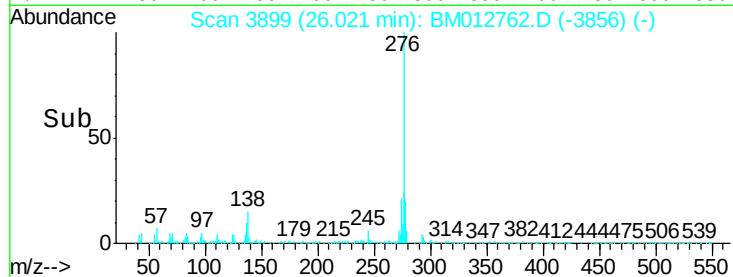
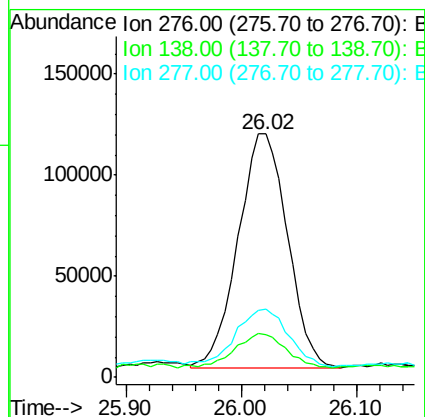
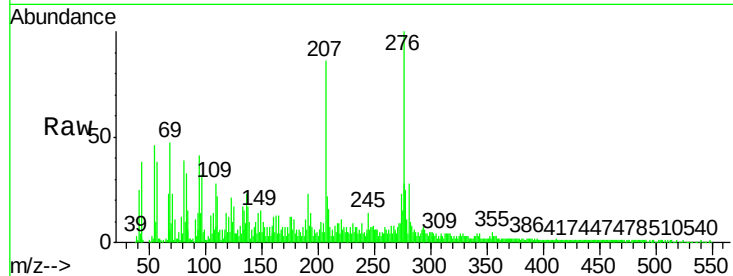
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 6.895 ng/ul
 RT: 26.02 min Scan# 3899
 Delta R.T. 0.05 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

Instrument :
 BNA_M
 ClientSampleId :
 B-19(0-1)-101117MS

Tgt Ion:	276	Resp:	343093
Ion Ratio	Lower	Upper	
276	100		
138	17.5	22.3	33.5#
277	28.2	20.2	30.2

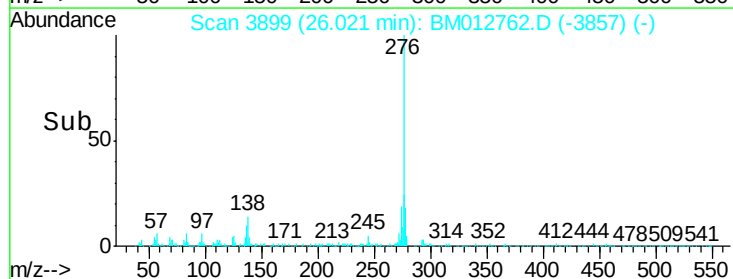
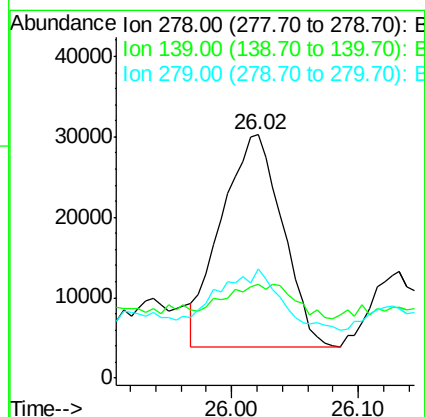
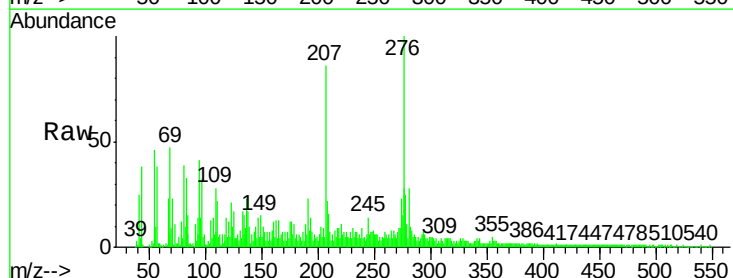
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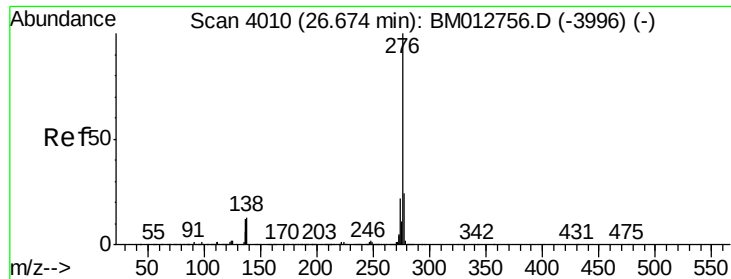
Sohil
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#92
 Dibenzo(a,h)anthracene
 Concen: 2.101 ng/ul
 RT: 26.02 min Scan# 3899
 Delta R.T. 0.05 min
 Lab File: BM012762.D
 Acq: 06 Nov 2017 05:11

Tgt Ion:	278	Resp:	88501
Ion Ratio	Lower	Upper	
278	100		
139	38.6	13.9	20.9#
279	45.1	19.0	28.4#





#93

Benzo(g,h,i)perylene

Concen: 7.996 ng/ul

RT: 26.74 min Scan# 4021

Delta R.T. 0.06 min

Lab File: BM012762.D

Acq: 06 Nov 2017 05:11

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MS

Tgt	Ion:276	Resp:	327842
Ion	Ratio	Lower	Upper
276	100		
138	17.3	18.9	28.3#
277	29.5	19.2	28.8#

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