

Data File : BM012304.D
Acq On : 19 Oct 2017 06:13
Operator : SJ/JU
Sample : I5747-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/23/2017 3:50:00 PM

Quant Time: Jun 23 03:23:04 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 19 15:00:52 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	292797	20.00	ng/ul	0.01
18) Naphthalene-d8	10.59	136	1158572	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.45	164	671450	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.20	188	1246552	20.00	ng/ul	0.02
75) Chrysene-d12	21.38	240	1242461	20.00	ng/ul	0.02
83) Perylene-d12	23.71	264	1359264	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	20224	3.28	ng/uL	0.00
5) Phenol-d5	6.97	99	667504	28.10	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.11	67	732892	51.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	439743	21.82	ng/ul	0.02
13) 4-Methylphenol-d8	8.52	113	403585	19.73	ng/ul	0.02
19) Nitrobenzene-d5	8.97	128	388799	43.97	ng/ul	0.02
22) 2-Nitrophenol-d4	9.69	143	228498	22.12	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.23	165	398260	20.19	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	409923	22.21	ng/ul	0.02
43) Dimethylphthalate-d6	13.85	166	1302876	21.95	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	1490604	20.75	ng/ul	0.02
51) 4-Nitrophenol-d4	14.66	143	64511	7.23	ng/ul	0.00
57) Fluorene-d10	15.45	176	973701	19.99	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.60	200	62187	7.27	ng/ul	0.02
70) Anthracene-d10	17.30	188	1362611	22.11	ng/ul	0.02
76) Pyrene-d10	19.59	212	1393285	22.09	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.57	264	1432401	21.86	ng/ul	0.06

Target Compounds

					Qvalue	
24) 2,4-Dimethylphenol	9.79	107	569078	25.488	ng/ul#	68
28) Naphthalene	10.65	128	1797098	29.981	ng/ul#	93
34) 2-Methylnaphthalene	12.26	142	3405808	75.294	ng/ul	98
40) 1,1'-Biphenyl	13.27	154	299267	5.281	ng/ul#	95
44) Dimethylphthalate	13.90	163	713140m	11.994	ng/ul	
49) Acenaphthene	14.52	153	604567	12.724	ng/ul#	87
53) Dibenzofuran	14.85	168	607320m	8.877	ng/ul	
58) Fluorene	15.50	166	918741	16.169	ng/ul#	91
69) Phenanthrene	17.25	178	3430816	48.381	ng/ul#	96
71) Anthracene	17.33	178	490716m	6.684	ng/ul	
74) Fluoranthene	19.26	202	914715	10.689	ng/ul#	91
77) Pyrene	19.62	202	1361187	16.589	ng/ul#	91
80) Benzo(a)anthracene	21.36	228	527156	6.520	ng/ul#	79
81) Bis(2-ethylhexyl)phthalate	21.26	149	335553	6.122	ng/ul#	95
82) Chrysene	21.42	228	646320	8.515	ng/ul#	81
85) Benzo(b)fluoranthene	23.03	252	677423m	7.637	ng/ul	
88) Benzo(a)pyrene	23.62	252	483634	5.785	ng/ul#	72
89) Indeno(1,2,3-cd)pyrene	26.04	276	341540	3.847	ng/ul#	88
90) Dibenzo(a,h)anthracene	26.04	278	90880	1.218	ng/ul#	20
91) Benzo(g,h,i)perylene	26.77	276	347989	4.786	ng/ul#	81

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

Data File : BM012304.D

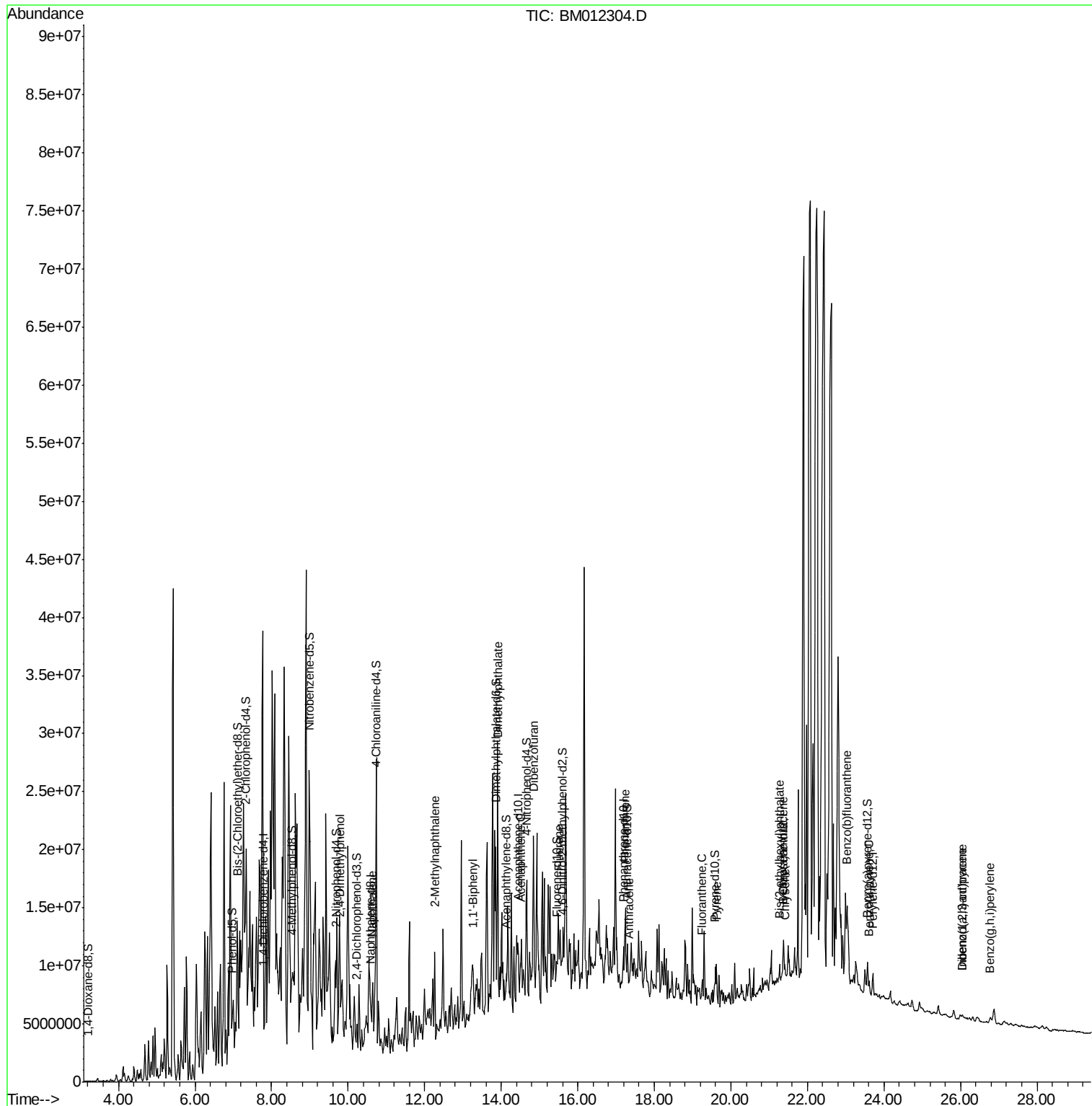
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Acq On       : 19 Oct 2017   06:13
Operator    : SJ/JU
Sample      : I5747-08
Misc        :
ALS Vial     : 23      Sample Multiplier: 1
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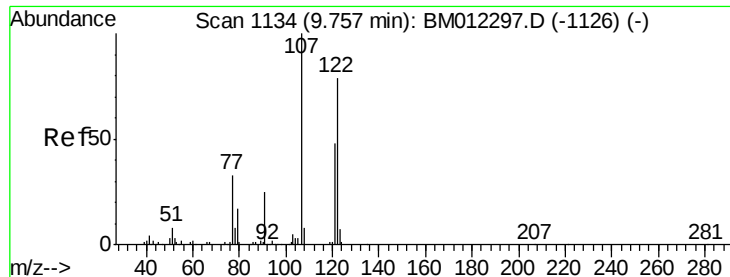
Instrument :
BNA_M
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B-34(5-5.5)-100617

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10/23/2017 3:50:00 PM

Quant Time: Jun 23 03:23:04 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
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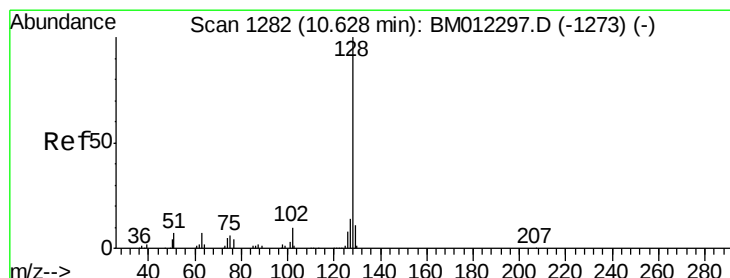
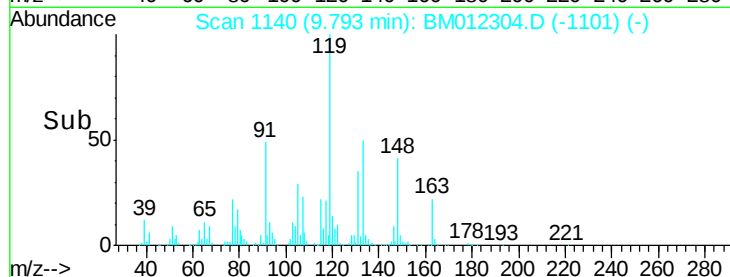
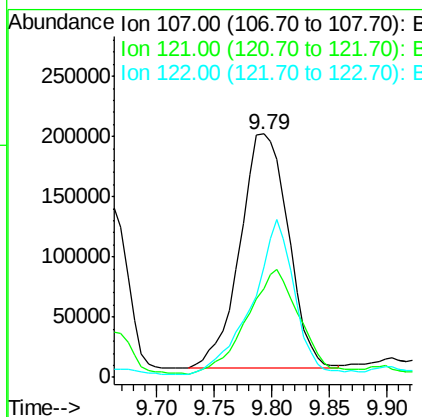
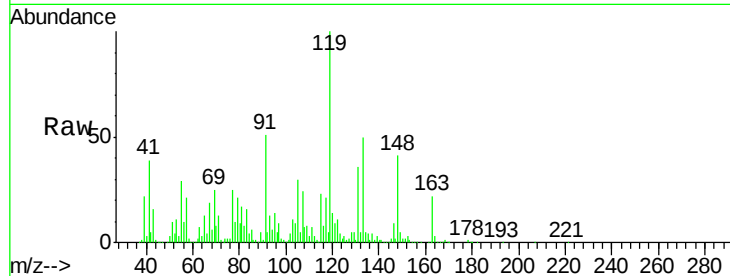
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2,4-Dimethylphenol
Concen: 25.488 ng/ul
RT: 9.79 min Scan# 1140
Delta R.T. 0.03 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Instrument :
BNA_M
ClientSampleId :
B-34(5-5.5)-100617

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	569078		
121	36.6	39.8	59.8#	
122	45.6	64.4	96.6#	

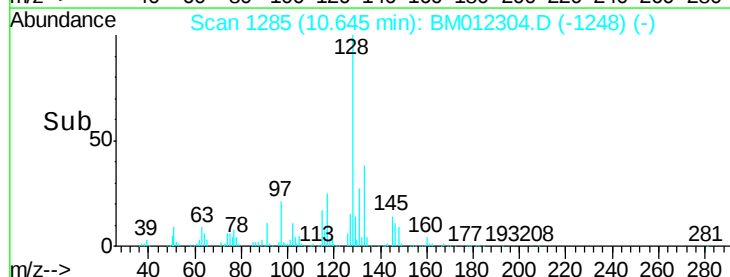
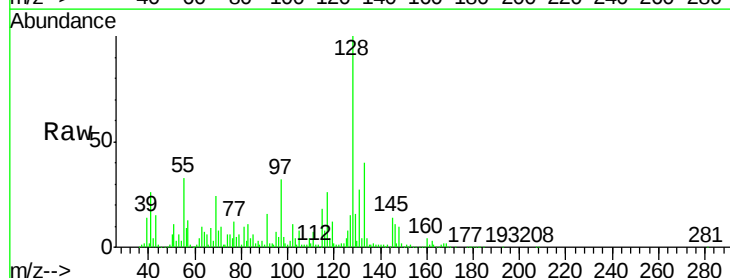
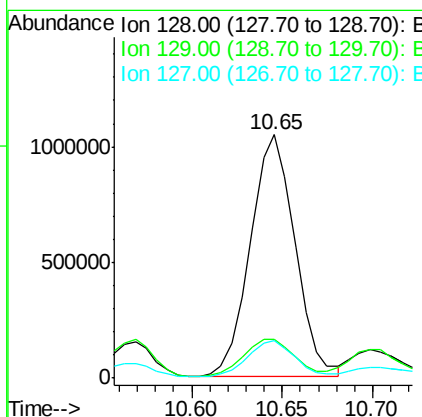
Manual Integrations
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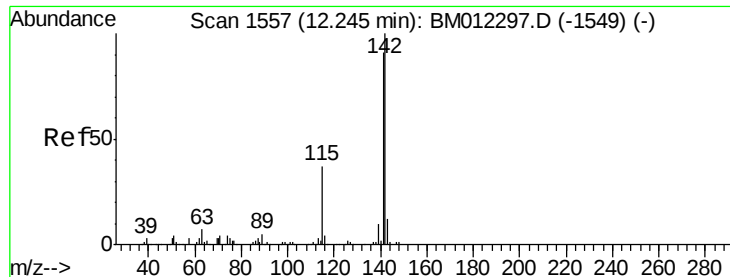
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#28
Naphthalene
Concen: 29.981 ng/ul
RT: 10.65 min Scan# 1285
Delta R.T. 0.02 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1797098		
129	16.1	9.2	13.8#	
127	15.3	11.4	17.0	





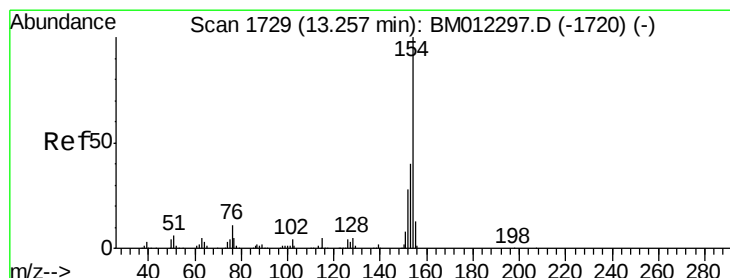
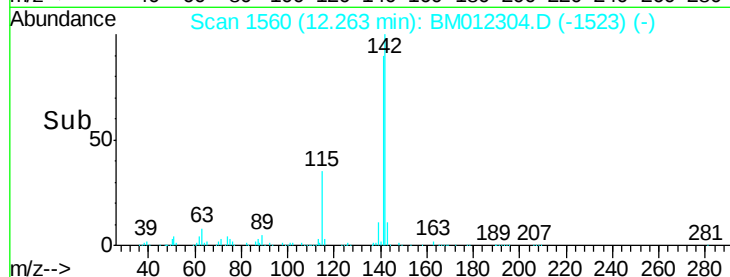
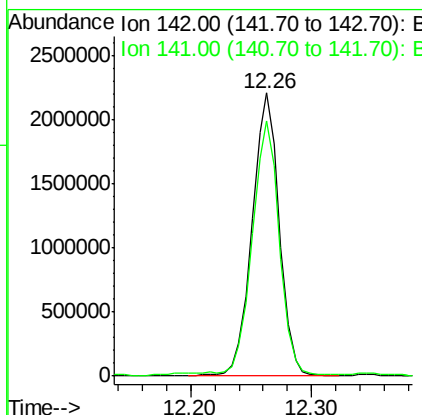
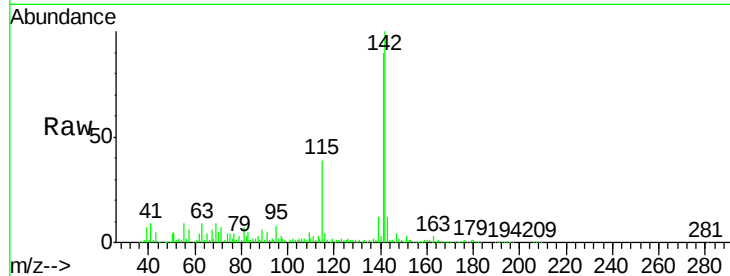
#34
 2-Methylnaphthalene
 Concen: 75.294 ng/ul
 RT: 12.26 min Scan# 1560
 Delta R.T. 0.02 min
 Lab File: BM012304.D
 Acq: 19 Oct 2017 06:13

Instrument :
 BNA_M
 ClientSampleId :
 B-34(5-5.5)-100617

Tgt Ion:142 Resp: 3405808
 Ion Ratio Lower Upper
 142 100
 141 90.1 73.6 110.4

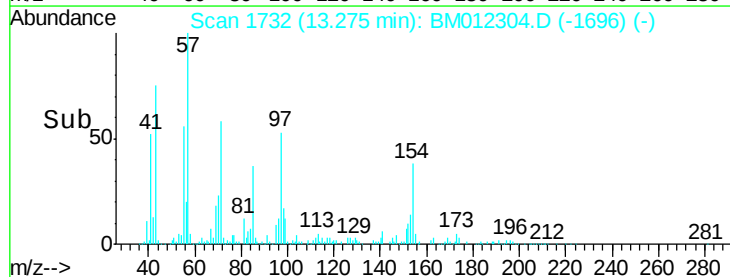
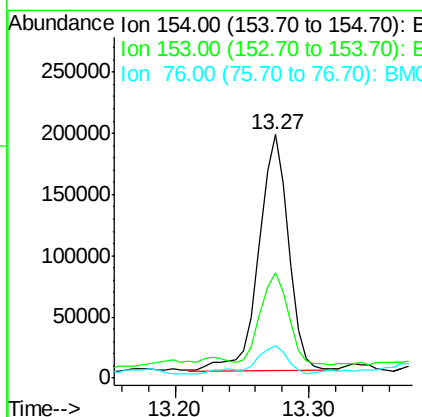
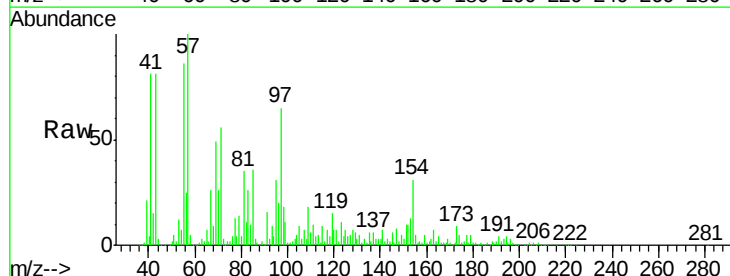
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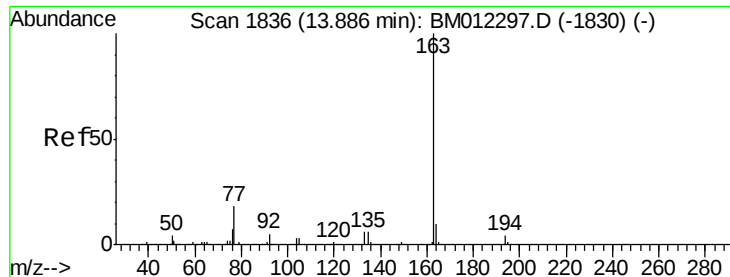
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#40
 1,1'-Biphenyl
 Concen: 5.281 ng/ul
 RT: 13.27 min Scan# 1732
 Delta R.T. 0.01 min
 Lab File: BM012304.D
 Acq: 19 Oct 2017 06:13

Tgt Ion:154 Resp: 299267
 Ion Ratio Lower Upper
 154 100
 153 43.4 33.0 49.4
 76 13.6 8.2 12.4#





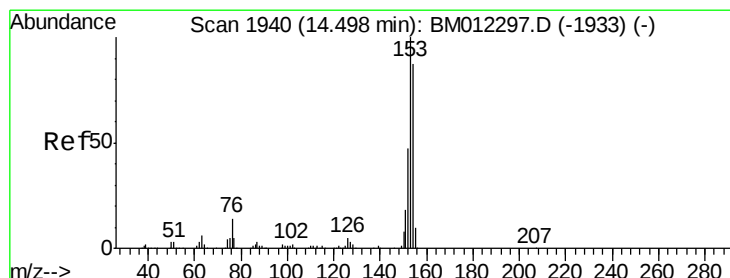
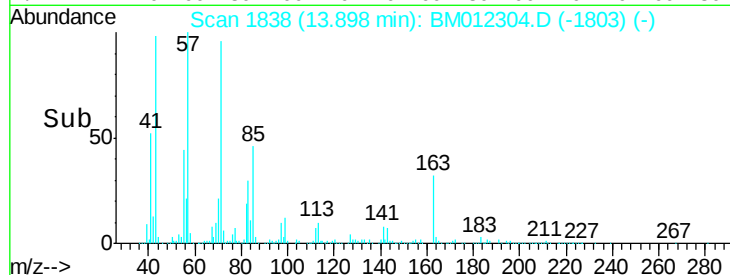
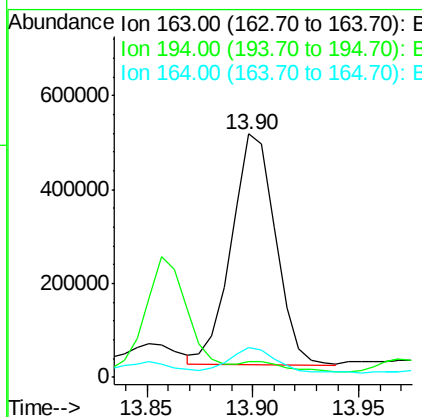
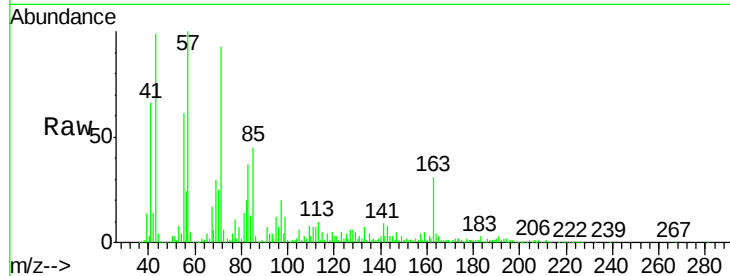
#44
Dimethylphthalate
Concen: 11.994 ng/ul m
RT: 13.90 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Instrument :
BNA_M
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B-34(5-5.5)-100617

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	713140		
194	6.4	3.7	5.5#	
164	12.2	8.1	12.1#	

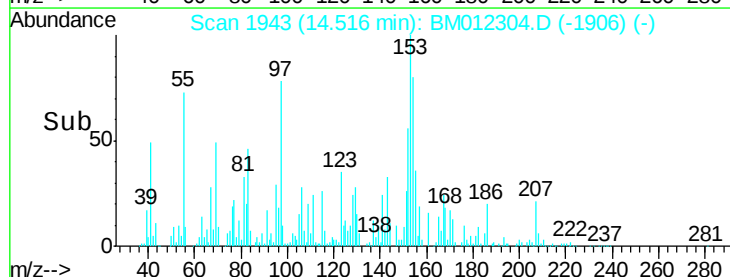
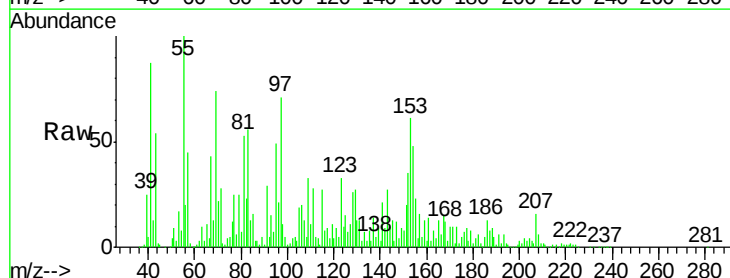
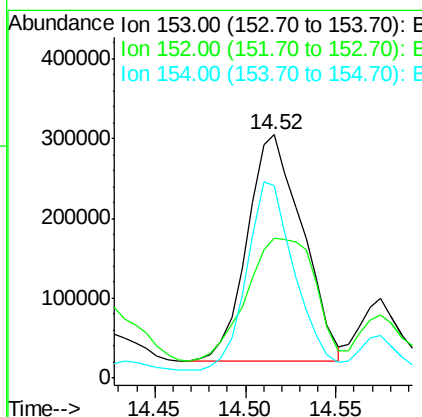
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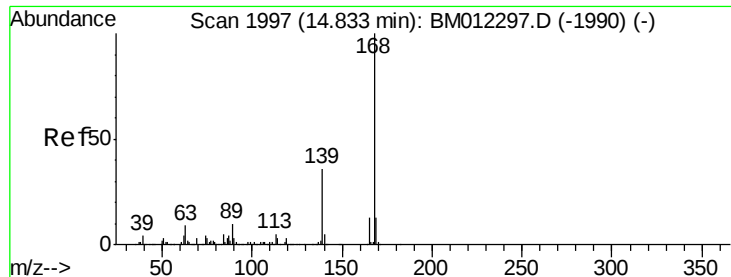
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10/23/2017 3:50:00 PM



#49
Acenaphthene
Concen: 12.724 ng/ul
RT: 14.52 min Scan# 1943
Delta R.T. 0.02 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	604567		
152	57.6	37.4	56.0#	
154	79.0	71.1	106.7	





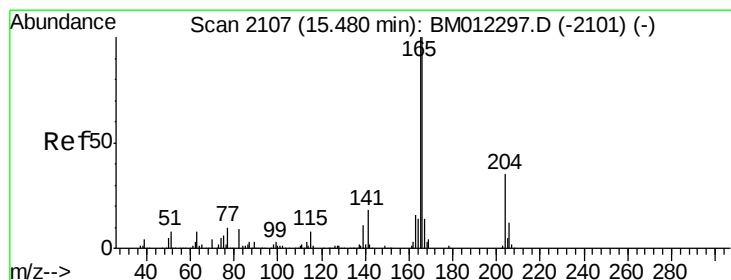
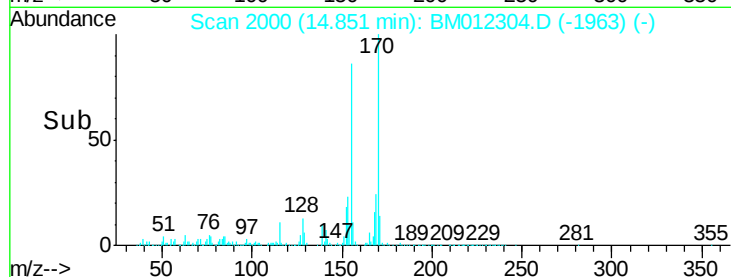
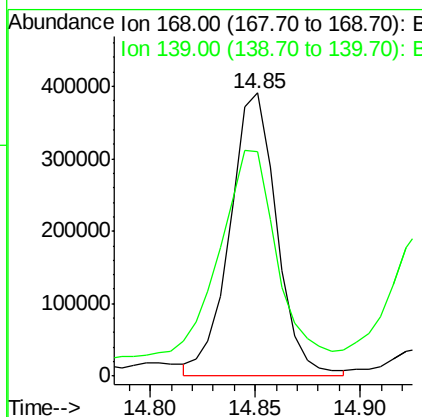
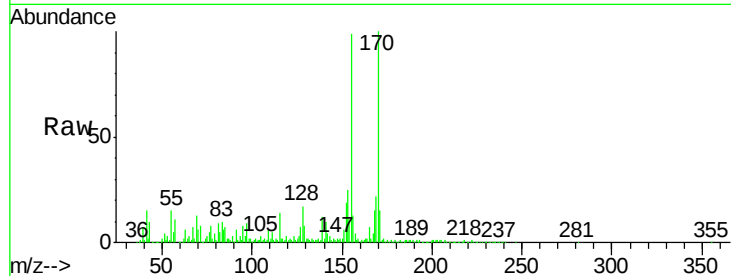
#53
Dibenzenofuran
Concen: 8.877 ng/ul m
RT: 14.85 min Scan# 2000
Delta R.T. 0.02 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

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ClientSampleId :
B-34(5-5.5)-100617

Tgt Ion:168 Resp: 607320
Ion Ratio Lower Upper
168 100
139 79.1 30.2 45.2#

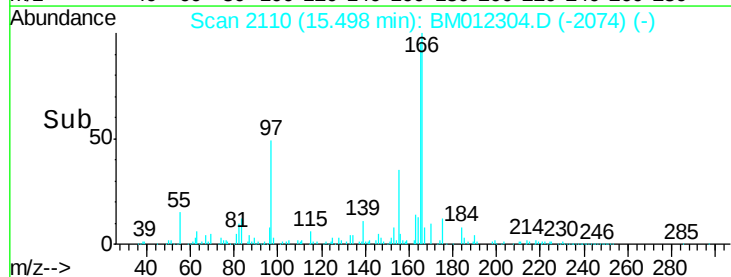
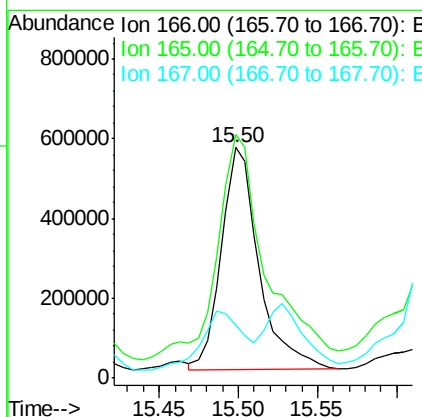
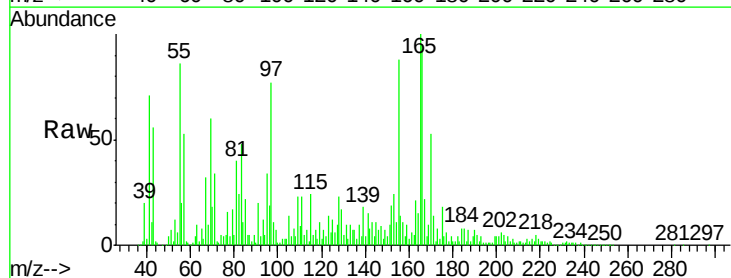
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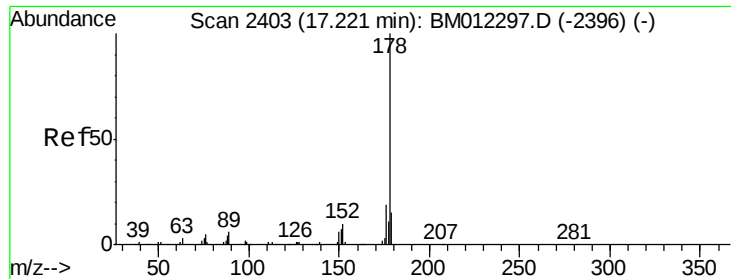
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#58
Fluorene
Concen: 16.169 ng/ul
RT: 15.50 min Scan# 2110
Delta R.T. 0.01 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Tgt Ion:166 Resp: 918741
Ion Ratio Lower Upper
166 100
165 105.5 79.0 118.6
167 23.0 10.8 16.2#





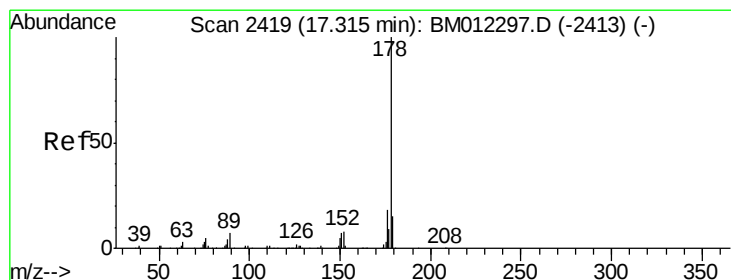
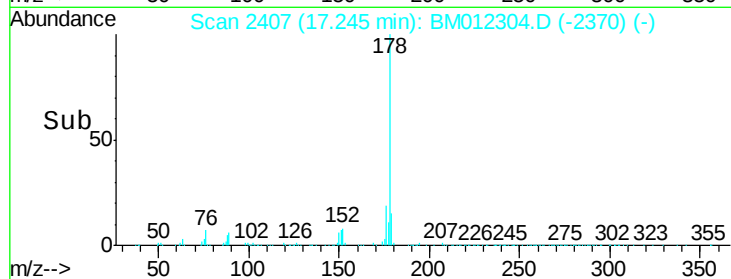
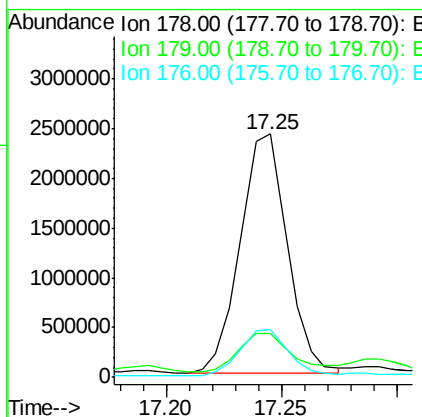
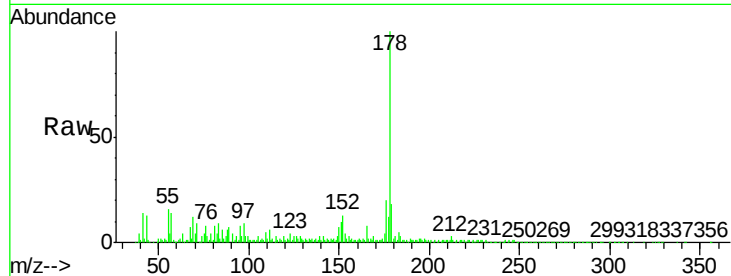
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Phenanthrene
Concen: 48.381 ng/ul
RT: 17.25 min Scan# 2407
Delta R.T. 0.02 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Instrument :
BNA_M
ClientSampleId :
B-34(5-5.5)-100617

Tgt Ion:178 Resp: 3430816
Ion Ratio Lower Upper
178 100
179 18.3 12.0 18.0#
176 19.6 15.0 22.6

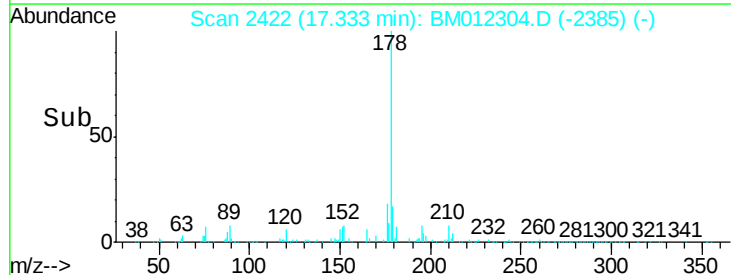
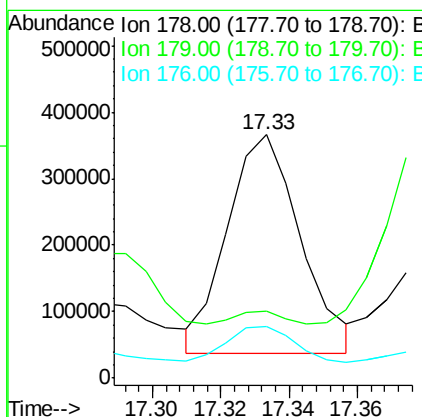
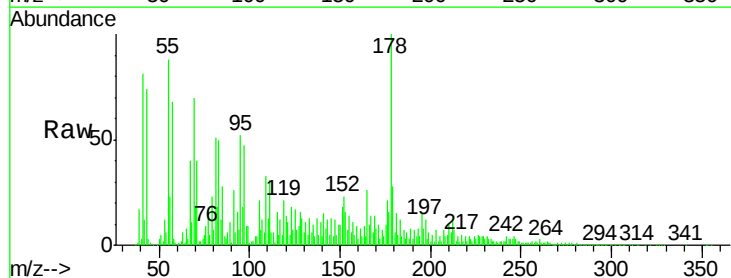
Manual Integrations
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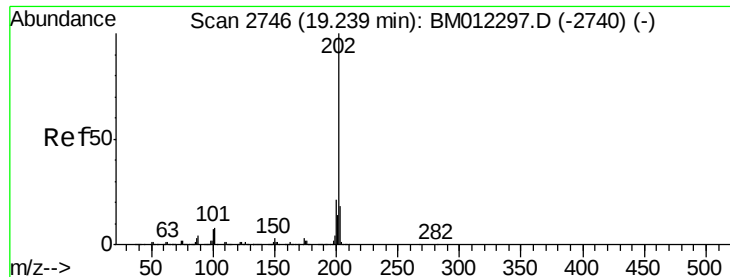
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10/23/2017 3:50:00 PM



#71
Anthracene
Concen: 6.684 ng/ul m
RT: 17.33 min Scan# 2422
Delta R.T. 0.02 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Tgt Ion:178 Resp: 490716
Ion Ratio Lower Upper
178 100
179 27.6 12.2 18.4#
176 21.3 14.7 22.1





#74

Fluoranthene

Concen: 10.689 ng/ul

RT: 19.26 min Scan# 2749

Delta R.T. 0.01 min

Lab File: BM012304.D

Acq: 19 Oct 2017 06:13

Instrument :

BNA_M

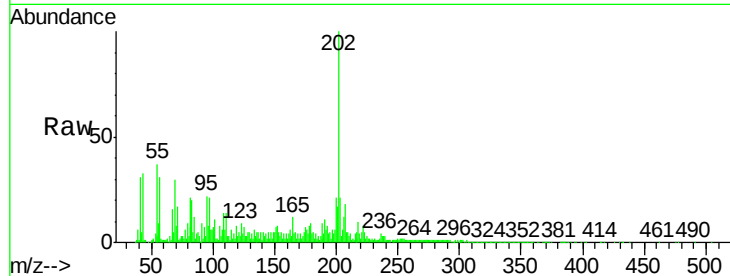
ClientSampleId :

B-34(5-5.5)-100617

Tgt	Ion	Ratio	Resp	Lower	Upper
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101	10.8	5.8	8.6#		
100	7.5	4.3	6.5#		

Manual Integrations
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10/23/2017 3:50:00 PM

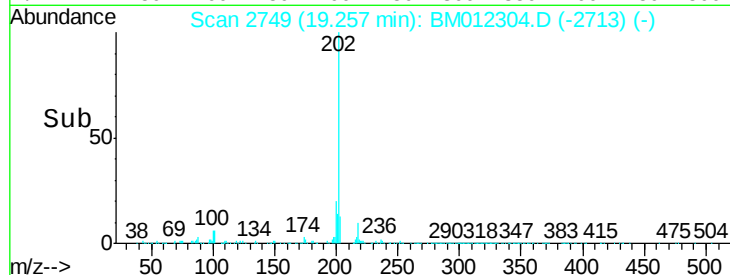


Abundance Ion 202.00 (201.70 to 202.70): E

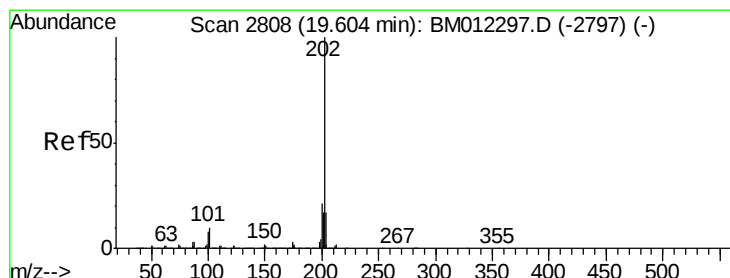
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->



#77

Pyrene

Concen: 16.589 ng/ul

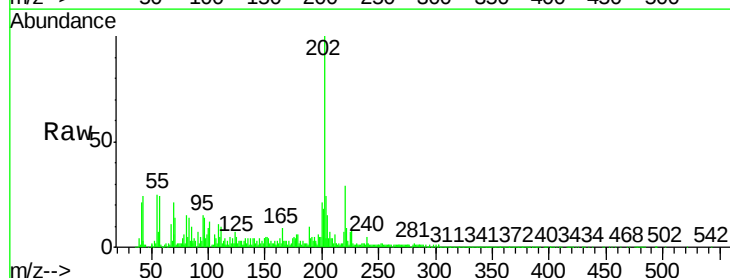
RT: 19.62 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BM012304.D

Acq: 19 Oct 2017 06:13

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		1361187		
101	12.4	6.5	9.7#		
100	8.9	5.6	8.4#		

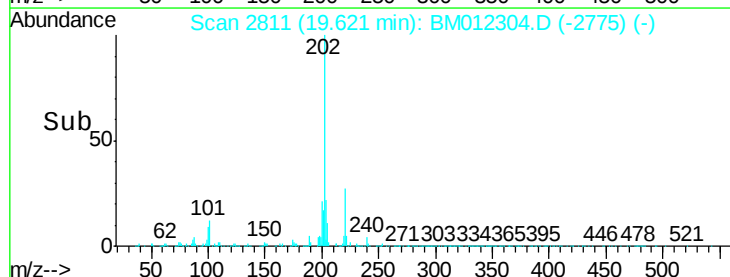


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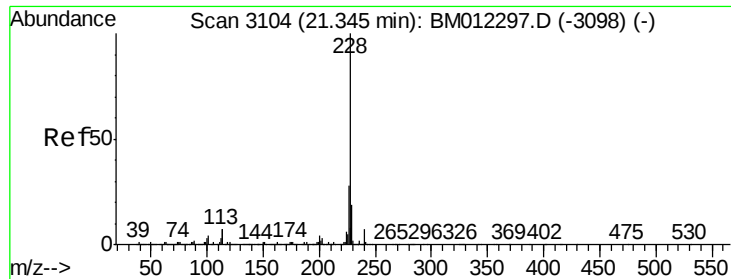
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->



Time-->



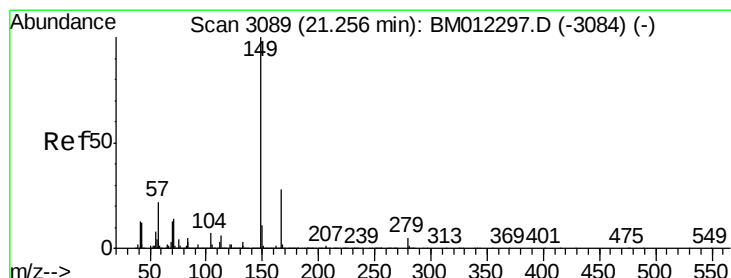
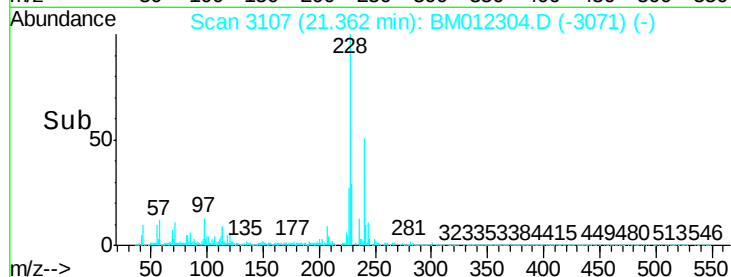
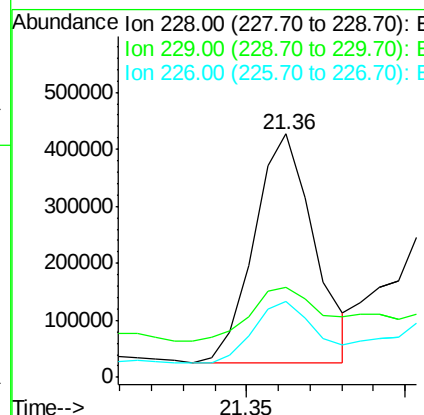
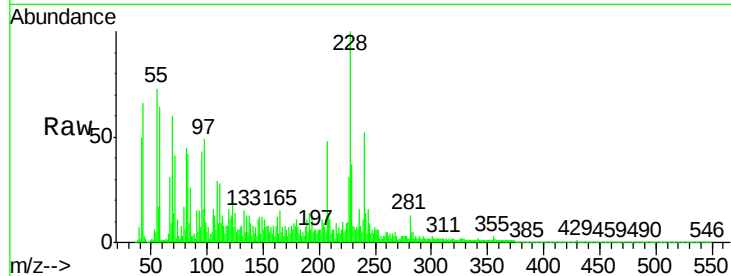
#80
Benzo(a)anthracene
Concen: 6.520 ng/ul
RT: 21.36 min Scan# 3107
Delta R.T. 0.01 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Instrument :
BNA_M
ClientSampleId :
B-34(5-5.5)-100617

Tgt Ion	Ratio	Lower	Upper
228	100		
229	36.8	15.8	23.8#
226	31.3	21.4	32.2

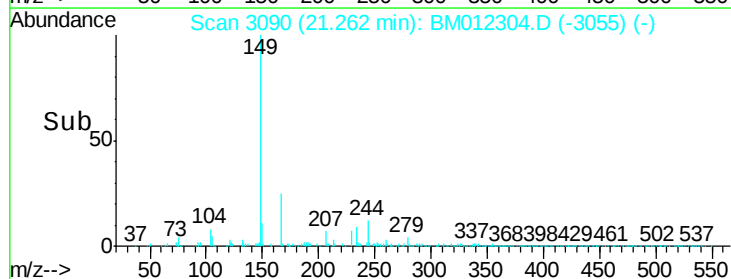
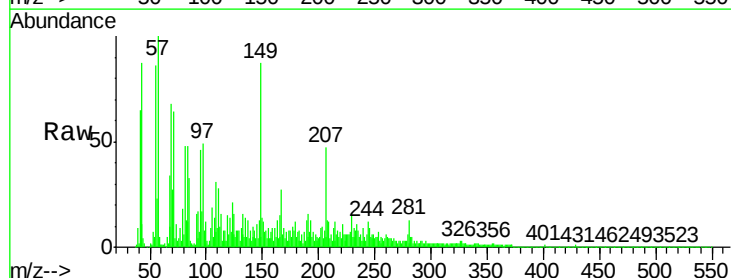
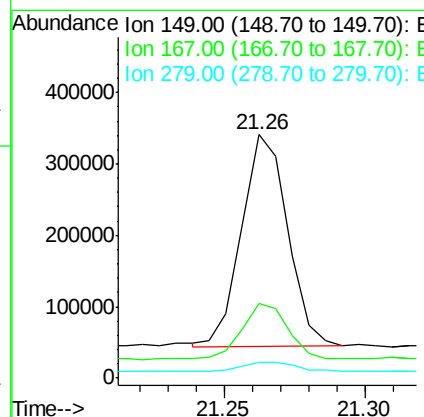
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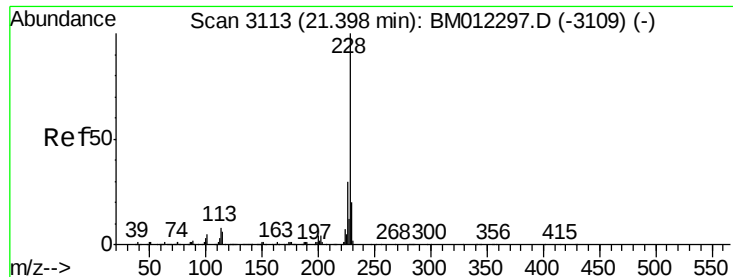
Sohil
10/23/2017 3:50:00 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 6.122 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.01 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.8	22.5	33.7
279	6.6	4.4	6.6#





#82

Chrysene

Concen: 8.515 ng/ul

RT: 21.42 min Scan# 3116

Delta R.T. 0.01 min

Lab File: BM012304.D

Acq: 19 Oct 2017 06:13

Instrument :

BNA_M

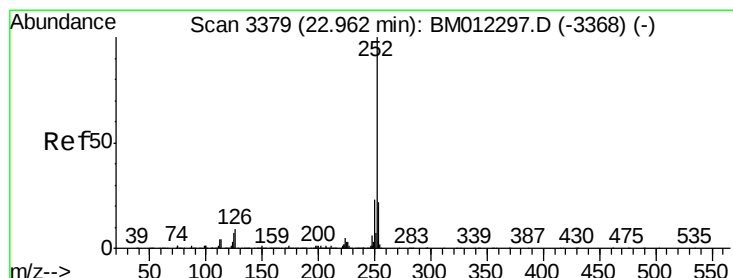
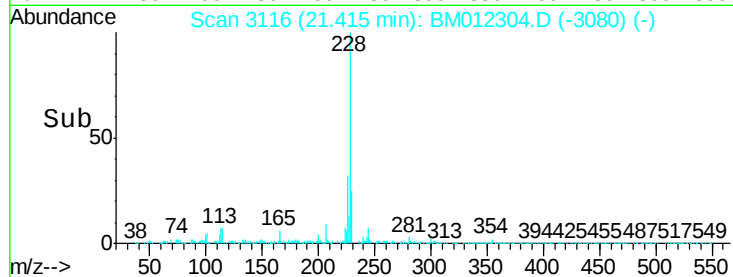
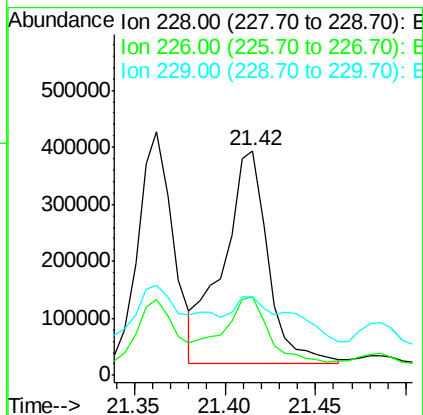
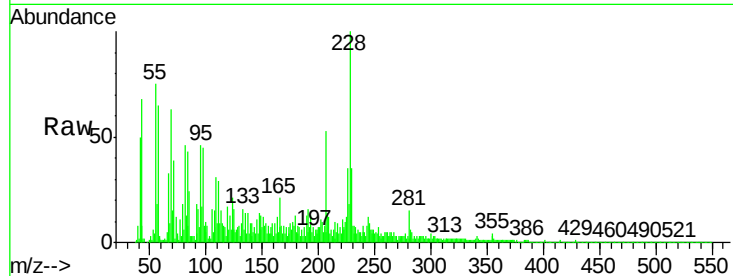
ClientSampleId :

B-34(5-5.5)-100617

Tgt Ion:	228	Resp:	646320
Ion Ratio	Lower	Upper	
228	100		
226	34.9	24.0	36.0
229	35.0	15.5	23.3#

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#85

Benzo(b)fluoranthene

Concen: 7.637 ng/ul m

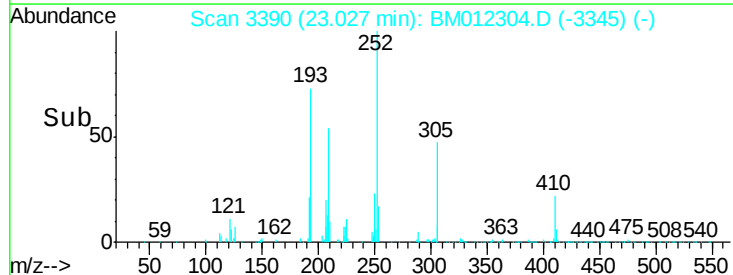
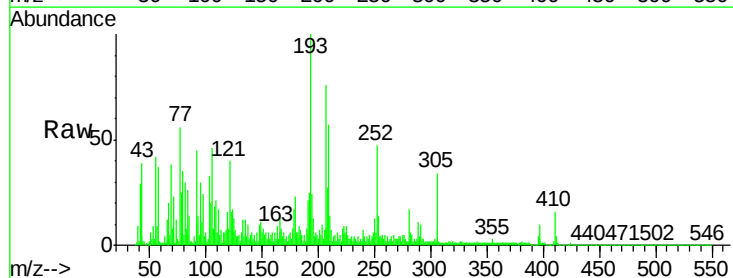
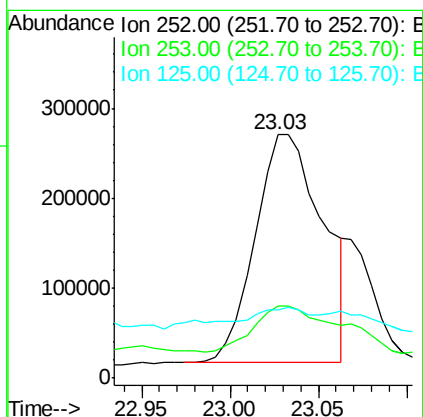
RT: 23.03 min Scan# 3390

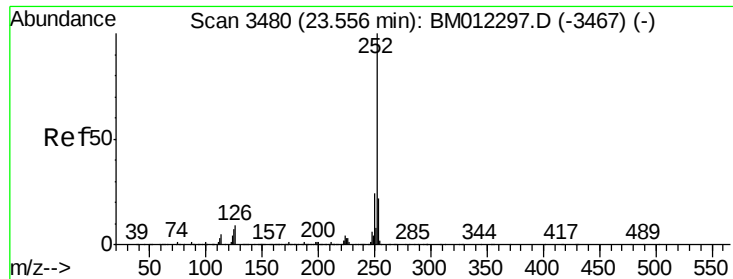
Delta R.T. 0.06 min

Lab File: BM012304.D

Acq: 19 Oct 2017 06:13

Tgt Ion:	252	Resp:	677423
Ion Ratio	Lower	Upper	
252	100		
253	29.5	17.4	26.2#
125	28.1	5.1	7.7#





#88

Benzo(a)pyrene

Concen: 5.785 ng/ul

RT: 23.62 min Scan# 3490

Delta R.T. 0.06 min

Lab File: BM012304.D

Acq: 19 Oct 2017 06:13

Instrument :

BNA_M

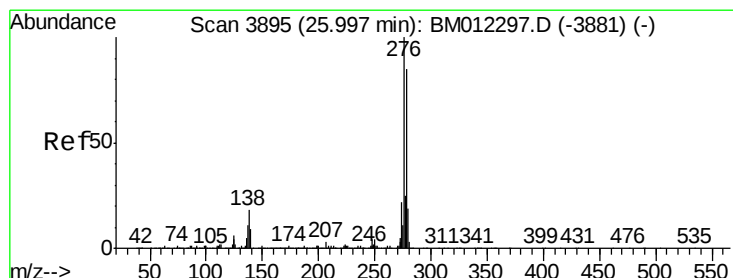
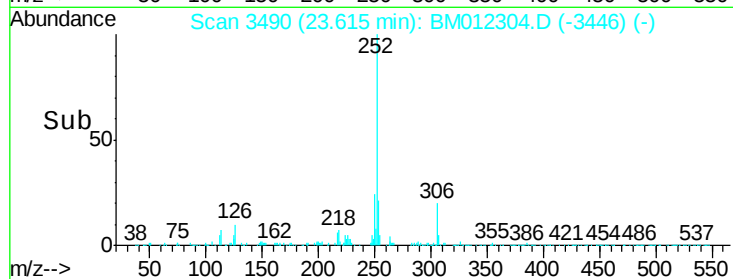
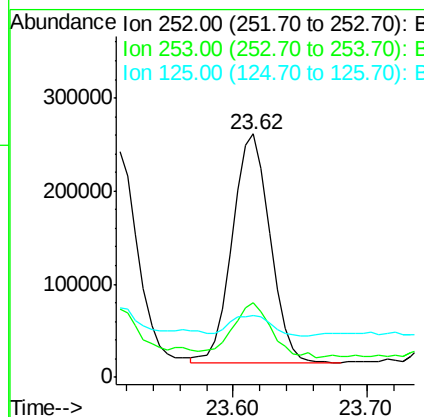
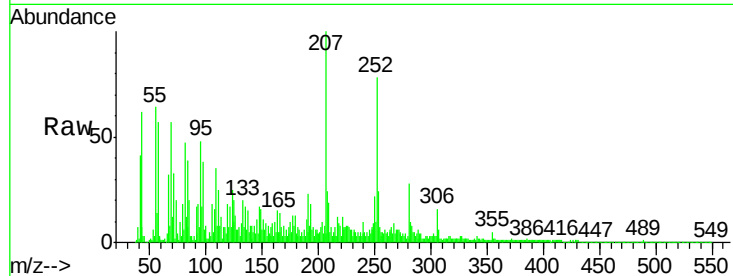
ClientSampleId :

B-34(5-5.5)-100617

Tgt Ion:	252	Resp:	483634
Ion Ratio	Lower	Upper	
252	100		
253	30.7	17.1	25.7#
125	25.2	5.2	7.8#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 3.847 ng/ul

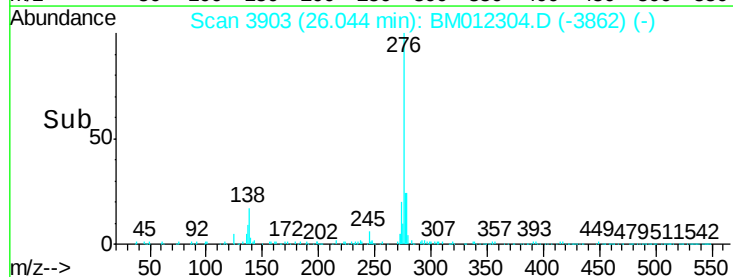
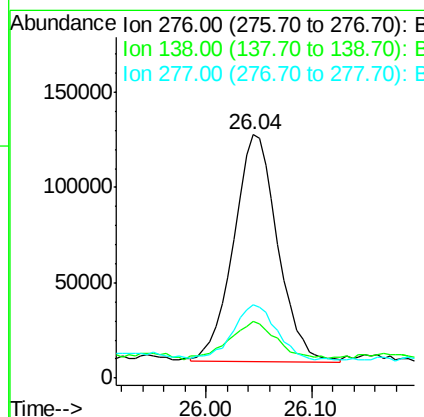
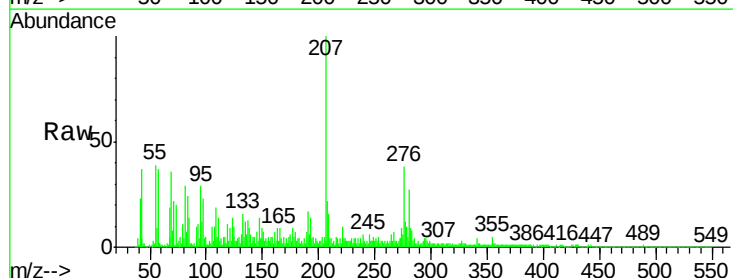
RT: 26.04 min Scan# 3903

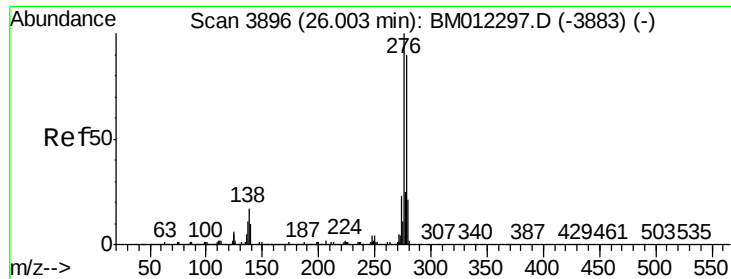
Delta R.T. 0.04 min

Lab File: BM012304.D

Acq: 19 Oct 2017 06:13

Tgt Ion:	276	Resp:	341540
Ion Ratio	Lower	Upper	
276	100		
138	23.5	13.2	19.8#
277	30.1	20.6	31.0





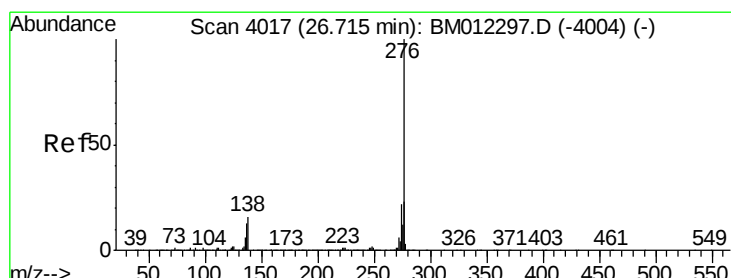
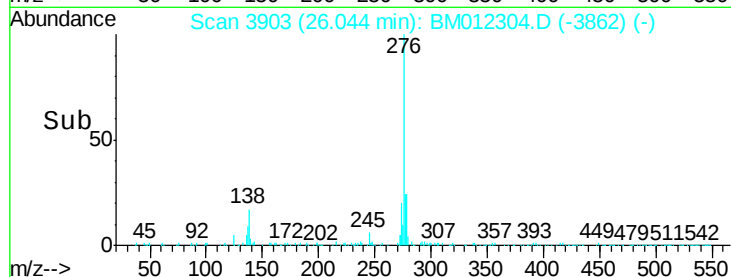
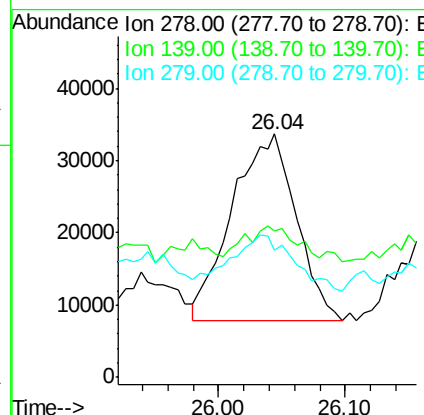
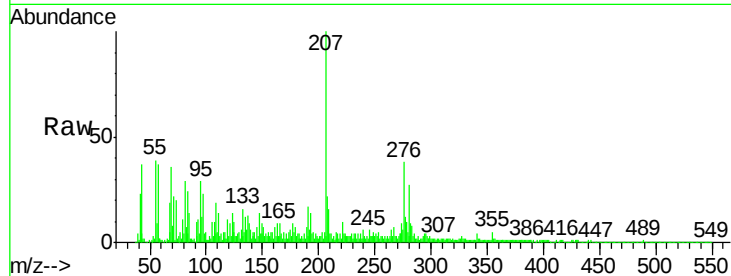
#90
Dibenzo(a,h)anthracene
Concen: 1.218 ng/ul
RT: 26.04 min Scan# 3903
Delta R.T. 0.04 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Instrument :
BNA_M
ClientSampleId :
B-34(5-5.5)-100617

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	60.1	8.3	12.5#
279	52.4	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 4.786 ng/ul
RT: 26.77 min Scan# 4027
Delta R.T. 0.05 min
Lab File: BM012304.D
Acq: 19 Oct 2017 06:13

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	24.8	10.7	16.1#
277	30.6	19.0	28.4#

