

Data File : BM012305.D
Acq On : 19 Oct 2017 06:49
Operator : SJ/JU
Sample : I5693-04 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-32(2-4)-100417

Manual Integrations
APPROVED

Sohil
10/23/2017 3:50:02 PM

Quant Time: Oct 19 15:39:13 2017
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	7.78	152	297695	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	1153545	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	578436	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1121472	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1303688	20.00	ng/ul	0.01
83) Perylene-d12	23.68	264	1467573	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	18208	2.91	ng/uL	0.00
5) Phenol-d5	6.96	99	306943	12.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	206978	14.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	281933	13.76	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	246692	11.86	ng/ul	0.01
19) Nitrobenzene-d5	8.96	128	130943	14.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	142451	13.85	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.23	165	252420	12.85	ng/ul	0.01
29) 4-Chloroaniline-d4	10.74	131	162010	8.81	ng/ul	0.01
43) Dimethylphthalate-d6	13.85	166	780142	15.26	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	936027	15.13	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	47204m	6.14	ng/ul	0.05
57) Fluorene-d10	15.43	176	598668	14.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	10829	1.41	ng/ul	0.02
70) Anthracene-d10	17.29	188	843842	15.22	ng/ul	0.00
76) Pyrene-d10	19.59	212	926622	14.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.53	264	1064109	15.04	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	6.99	94	45604	1.826	ng/ul#	79
14) Acetophenone	8.62	105	45067	1.426	ng/ul#	91
28) Naphthalene	10.63	128	250269	4.193	ng/ul	97
34) 2-Methylnaphthalene	12.26	142	96912	2.152	ng/ul	97
44) Dimethylphthalate	13.89	163	313441	6.120	ng/ul	99
47) Acenaphthylene	14.16	152	72012	1.185	ng/ul	94
69) Phenanthrene	17.23	178	465976	7.304	ng/ul	98
71) Anthracene	17.32	178	150373	2.277	ng/ul	96
73) Di-n-butylphthalate	18.14	149	454987	5.863	ng/ul	98
74) Fluoranthene	19.25	202	1249070	16.224	ng/ul#	94
77) Pyrene	19.62	202	2093876	24.320	ng/ul#	94
80) Benzo(a)anthracene	21.36	228	1435529	16.922	ng/ul	97
82) Chrysene	21.41	228	1535256	19.277	ng/ul	96
85) Benzo(b)fluoranthene	22.99	252	2731542	28.521	ng/ul#	95
86) Benzo(k)fluoranthene	23.02	252	990590m	10.733	ng/ul	
88) Benzo(a)pyrene	23.58	252	2409849	26.697	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	26.03	276	1755837	18.317	ng/ul	99
90) Dibenzo(a,h)anthracene	26.03	278	454586	5.641	ng/ul#	85
91) Benzo(g,h,i)perylene	26.76	276	1541529	19.635	ng/ul#	93

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

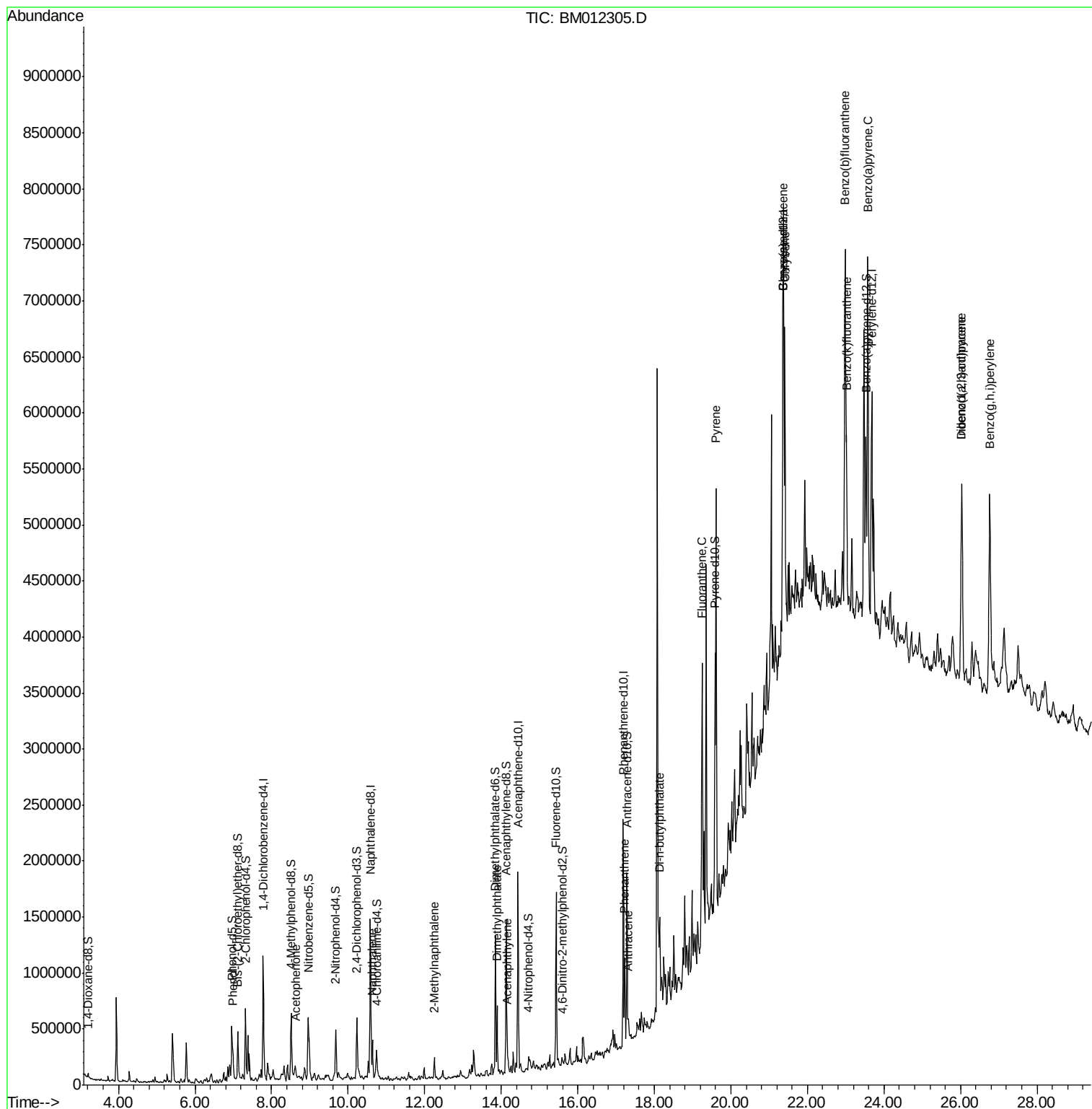
Data File : BM012305.D
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Sample : I5693-04 2X
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ALS Vial : 24 Sample Multiplier: 1

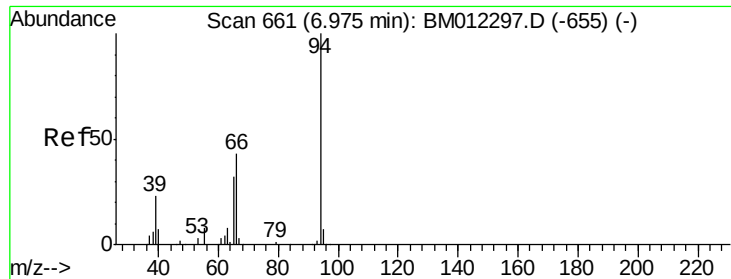
Instrument :
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B-32(2-4)-100417

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 1.826 ng/ul

RT: 6.99 min Scan# 664

Delta R.T. 0.01 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Instrument :

BNA_M

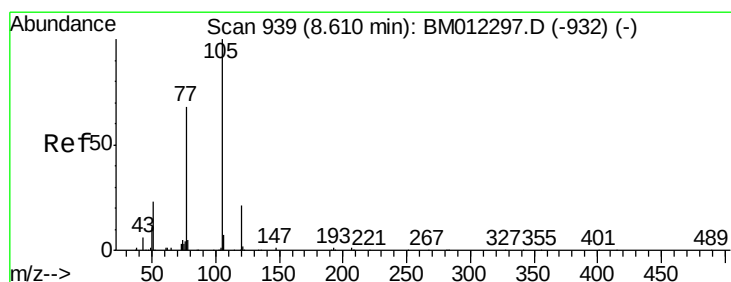
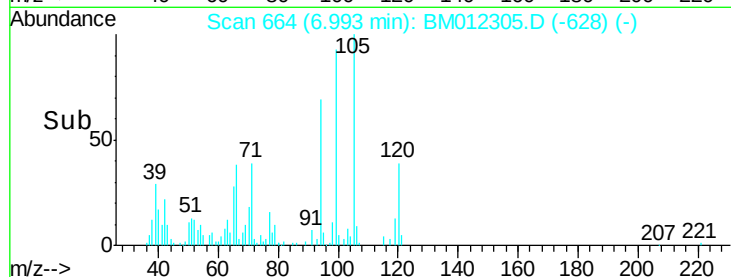
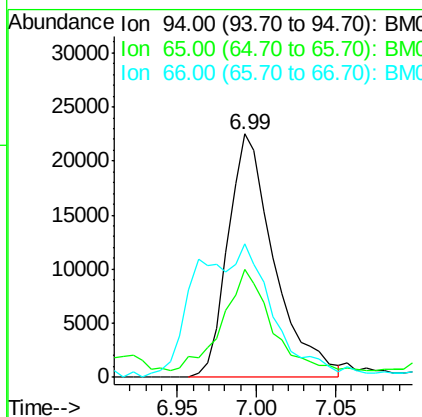
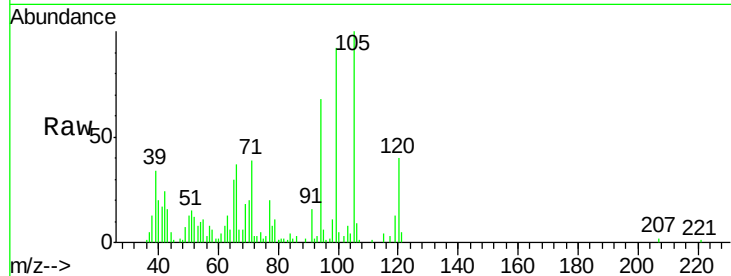
ClientSampleId :

B-32(2-4)-100417

Tgt Ion:	94	Resp:	45604
Ion Ratio	Lower	Upper	
94	100		
65	44.4	24.4	36.6#
66	54.9	35.0	52.4#

Manual Integrations
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#14

Acetophenone

Concen: 1.426 ng/ul

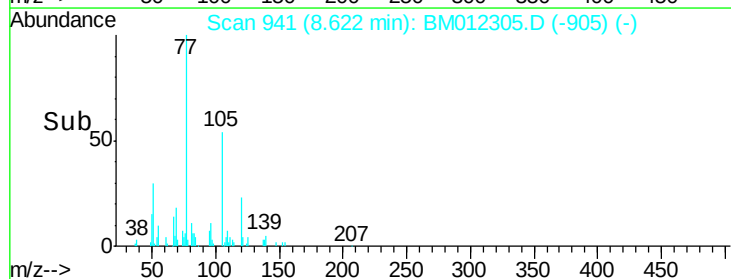
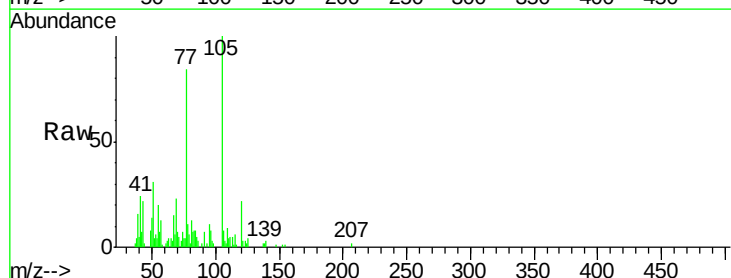
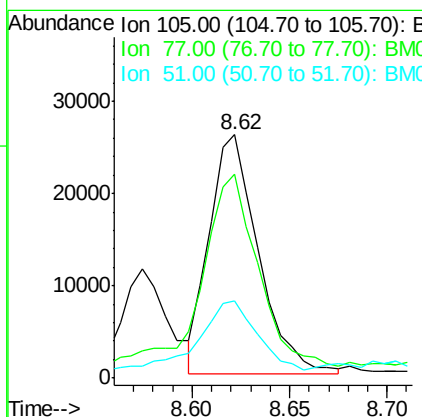
RT: 8.62 min Scan# 941

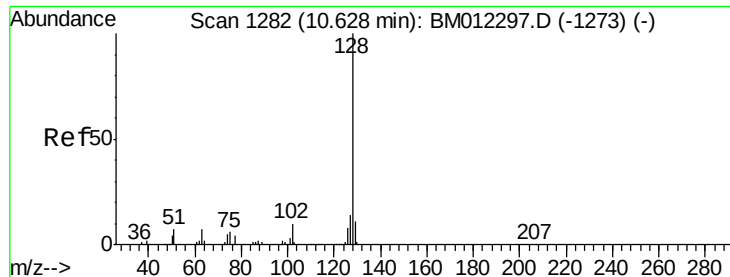
Delta R.T. 0.01 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Tgt Ion:	105	Resp:	45067
Ion Ratio	Lower	Upper	
105	100		
77	83.8	61.7	92.5
51	31.5	20.1	30.1#





#28

Naphthalene

Concen: 4.193 ng/ul

RT: 10.63 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Instrument :

BNA_M

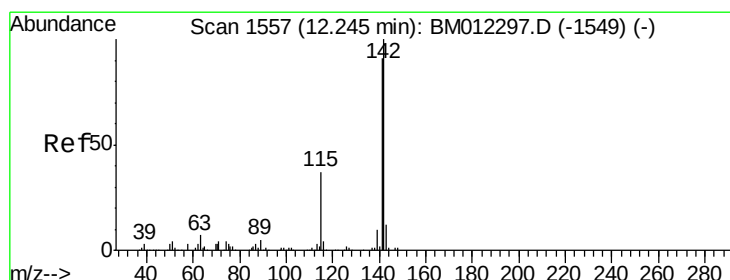
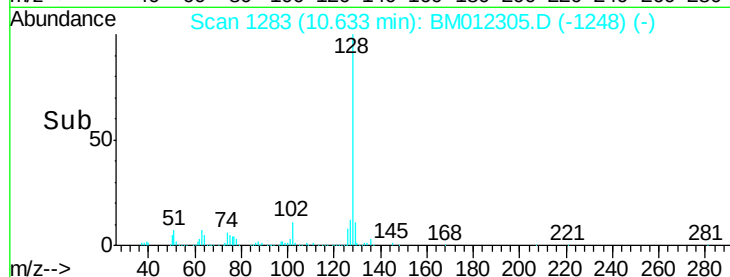
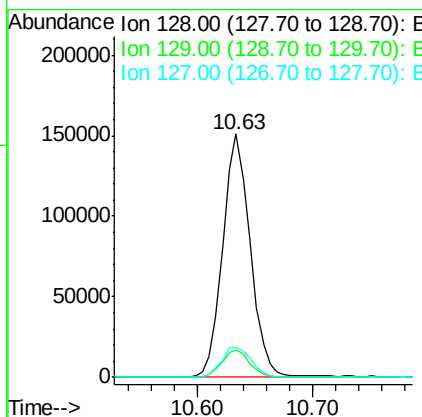
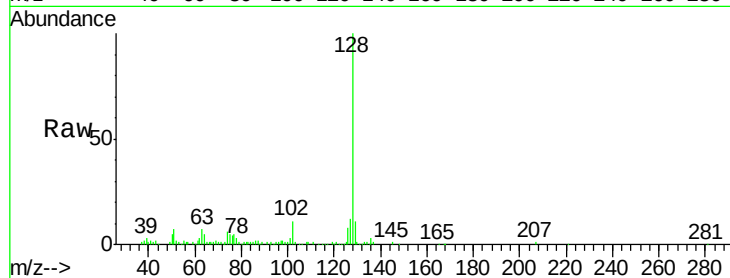
ClientSampleId :

B-32(2-4)-100417

Tgt Ion:	128	Resp:	250269
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.2	13.8
127	12.5	11.4	17.0

Manual Integrations
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#34

2-Methylnaphthalene

Concen: 2.152 ng/ul

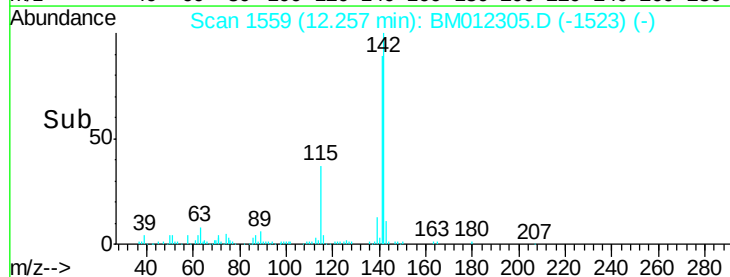
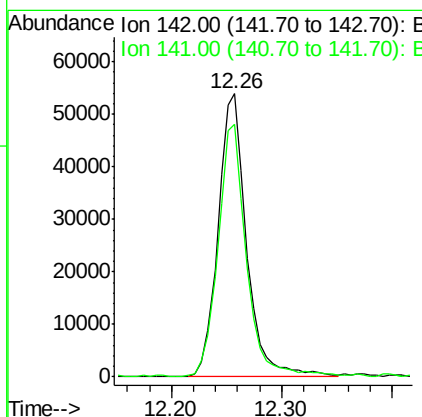
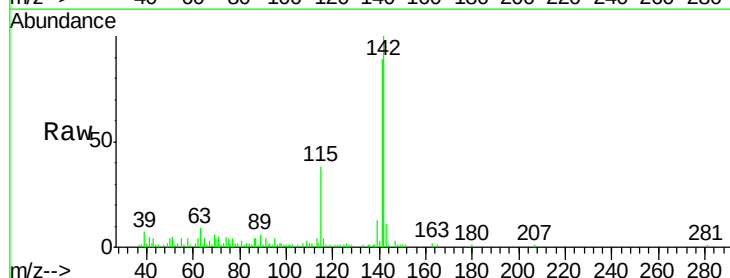
RT: 12.26 min Scan# 1559

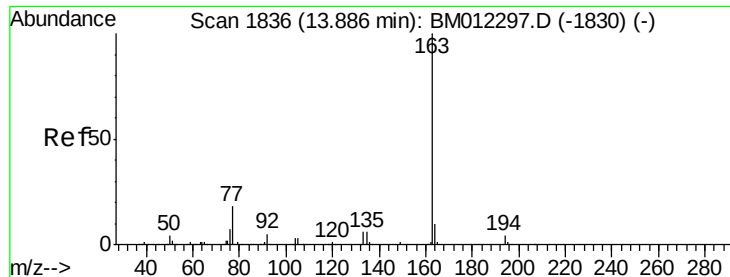
Delta R.T. 0.01 min

Lab File: BM012305.D

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Tgt Ion:	142	Resp:	96912
Ion Ratio	Lower	Upper	
142	100		
141	89.5	73.6	110.4





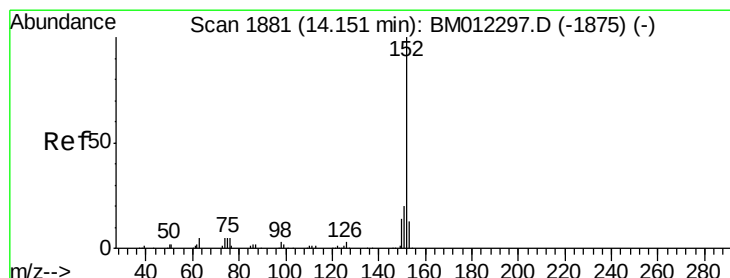
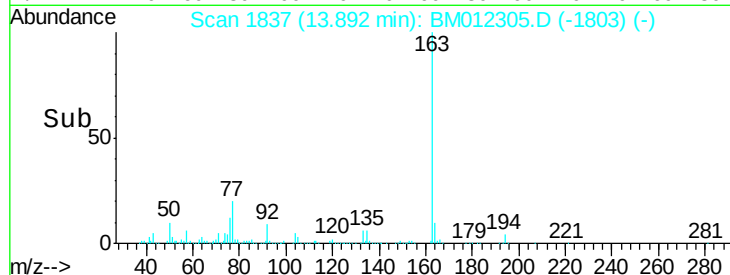
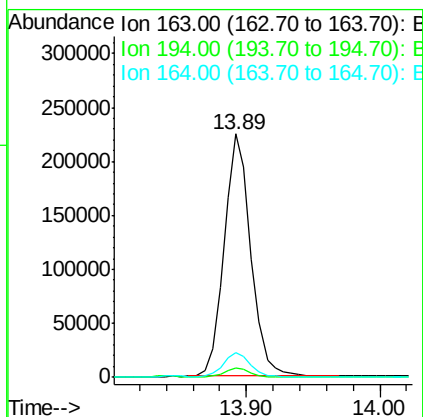
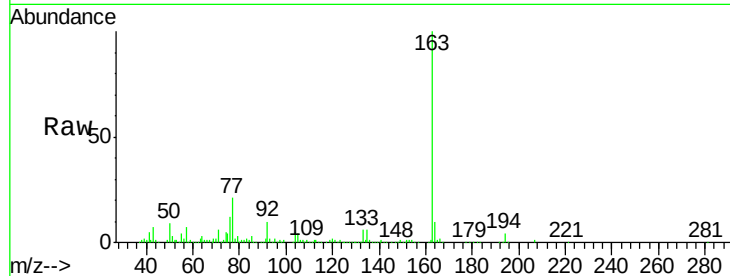
#44
Dimethylphthalate
Concen: 6.120 ng/ul
RT: 13.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BM012305.D
Acq: 19 Oct 2017 06:49

Instrument :
BNA_M
ClientSampleId :
B-32(2-4)-100417

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	313441		
194	3.8		3.7	5.5
164	10.4		8.1	12.1

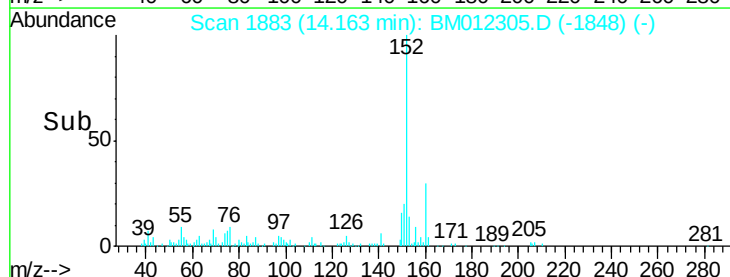
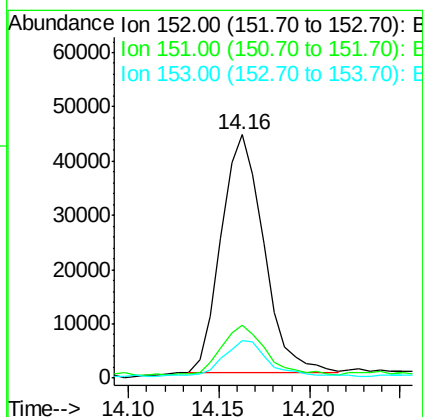
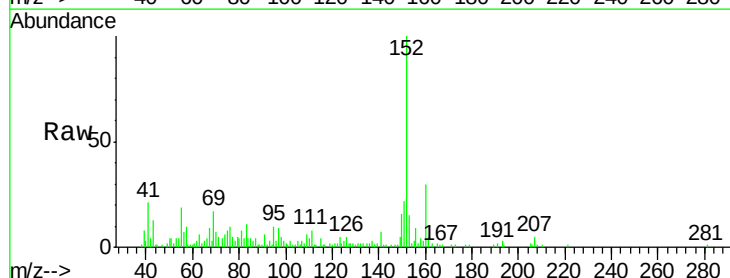
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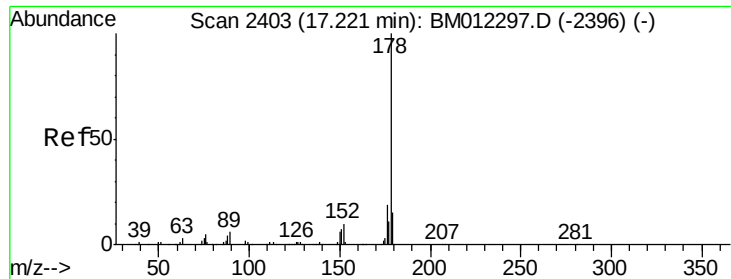
Sohil
10/23/2017 3:50:02 PM



#47
Acenaphthylene
Concen: 1.185 ng/ul
RT: 14.16 min Scan# 1883
Delta R.T. 0.01 min
Lab File: BM012305.D
Acq: 19 Oct 2017 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	72012		
151	21.6		15.3	22.9
153	15.2		10.4	15.6





#69

Phenanthrene

Concen: 7.304 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Instrument :

BNA_M

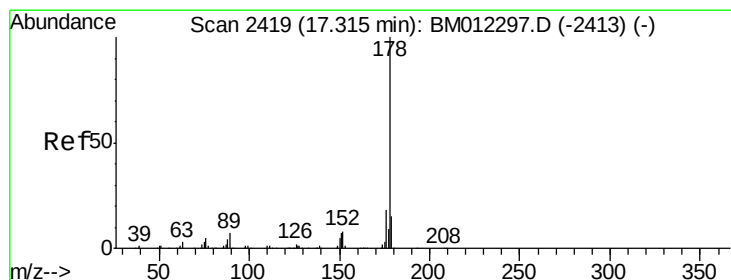
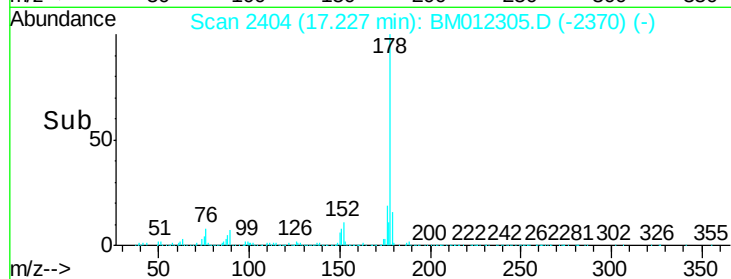
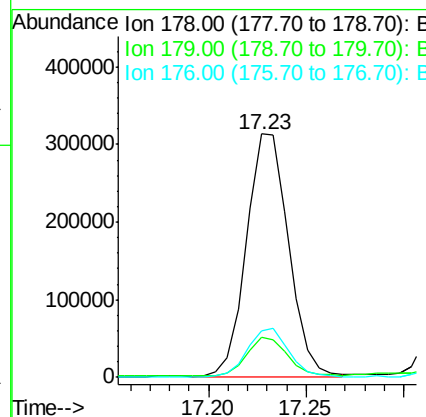
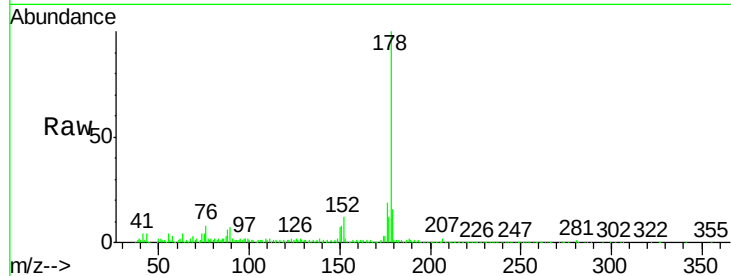
ClientSampleId :

B-32(2-4)-100417

Tgt Ion:	178	Resp:	465976
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.0	18.0
176	19.1	15.0	22.6

Manual Integrations
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#71

Anthracene

Concen: 2.277 ng/ul

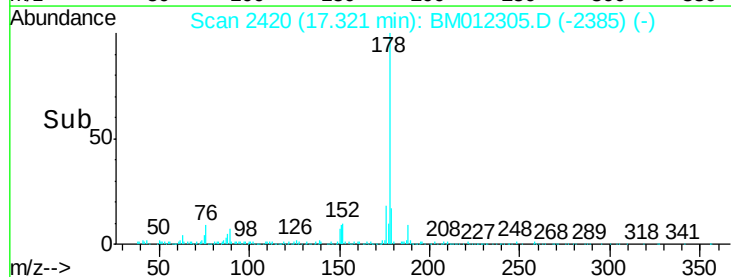
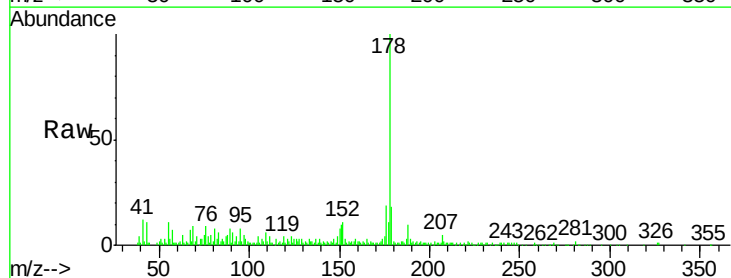
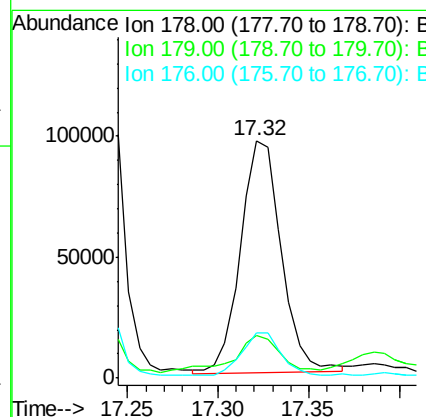
RT: 17.32 min Scan# 2420

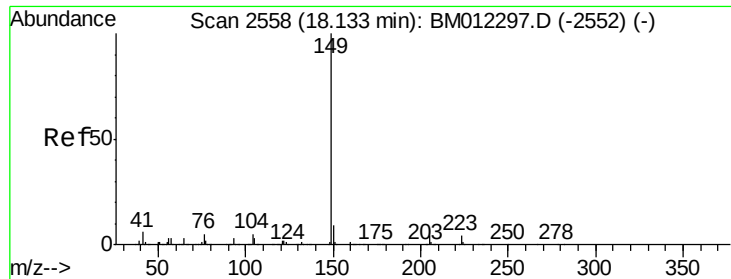
Delta R.T. 0.01 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Tgt Ion:	178	Resp:	150373
Ion Ratio	Lower	Upper	
178	100		
179	18.1	12.2	18.4
176	19.3	14.7	22.1





#73

Di-n-butylphthalate

Concen: 5.863 ng/ul

RT: 18.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Instrument :

BNA_M

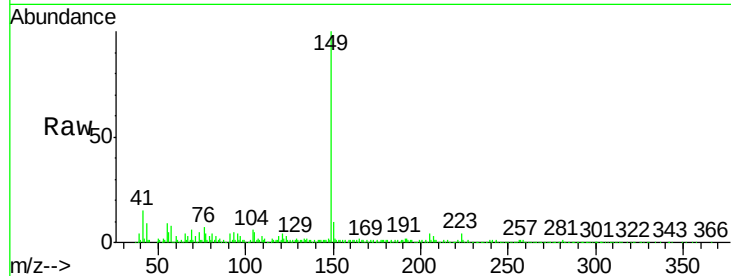
ClientSampleId :

B-32(2-4)-100417

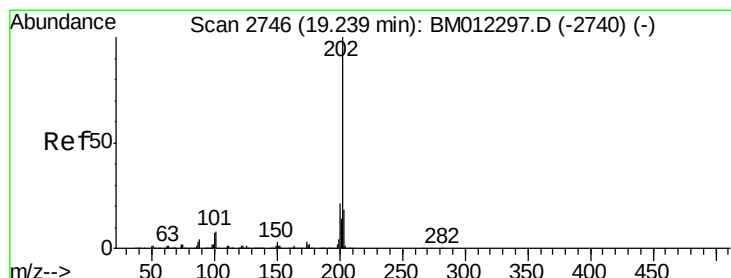
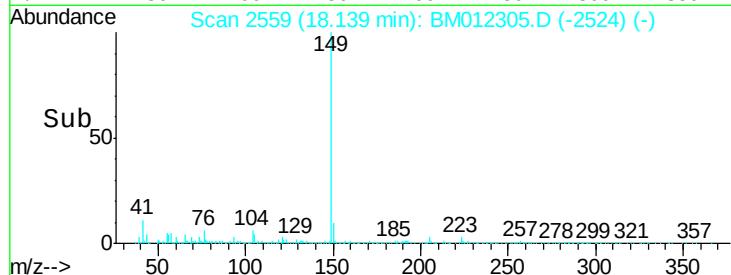
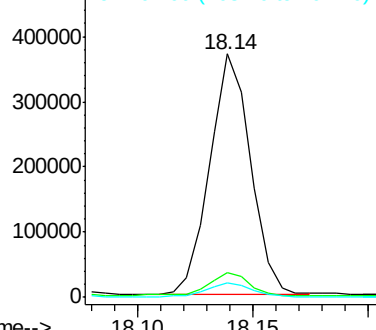
Tgt Ion:	149	Resp:	454987
Ion Ratio		Lower	Upper
149	100		
150	10.0	7.4	11.0
104	6.1	4.2	6.4

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 16.224 ng/ul

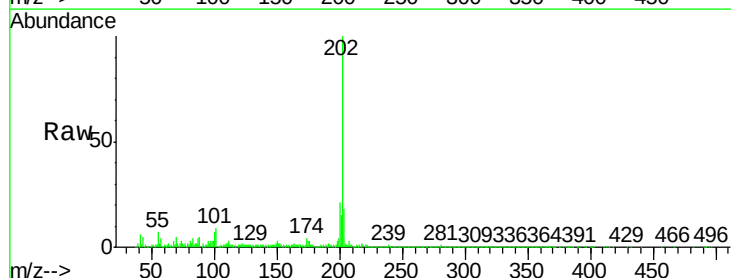
RT: 19.25 min Scan# 2748

Delta R.T. 0.01 min

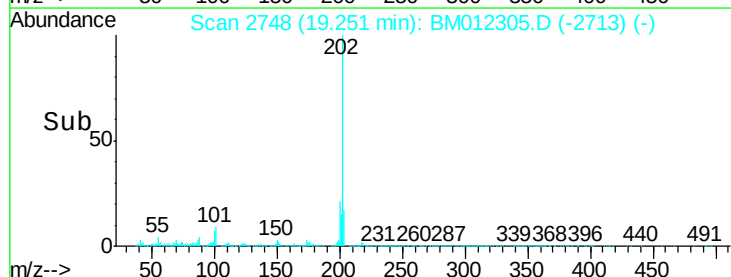
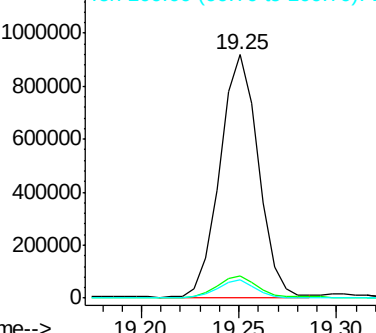
Lab File: BM012305.D

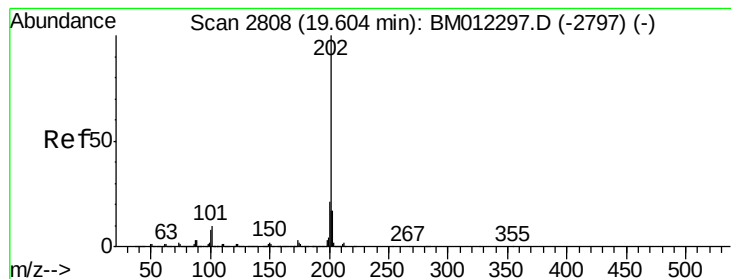
Acq: 19 Oct 2017 06:49

Tgt Ion:	202	Resp:	1249070
Ion Ratio		Lower	Upper
202	100		
101	9.3	5.8	8.6#
100	7.3	4.3	6.5#



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: 24.320 ng/ul

RT: 19.62 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Instrument :

BNA_M

ClientSampleId :

B-32(2-4)-100417

Tgt Ion:202 Resp: 2093876

Ion Ratio Lower Upper

202 100

101 10.4 6.5 9.7#

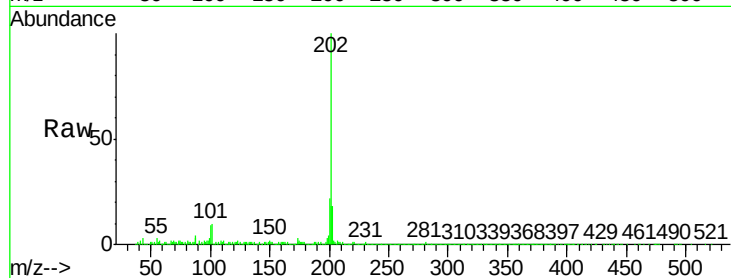
100 8.8 5.6 8.4#

Manual Integrations

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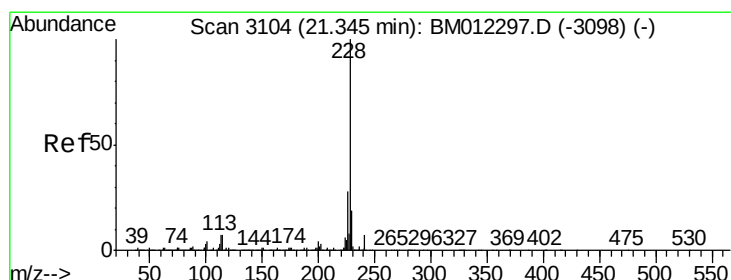
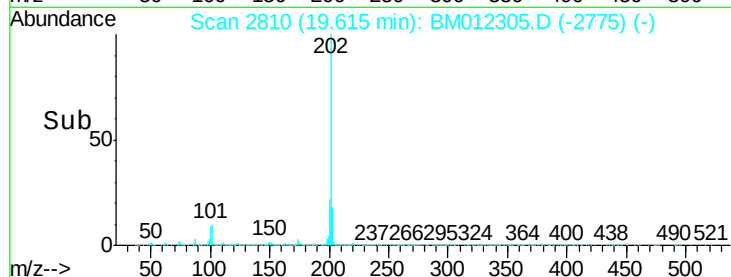
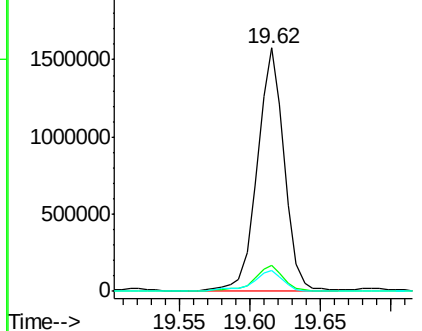
10/23/2017 3:50:02 PM



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



#80

Benzo(a)anthracene

Concen: 16.922 ng/ul

RT: 21.36 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Tgt Ion:228 Resp: 1435529

Ion Ratio Lower Upper

228 100

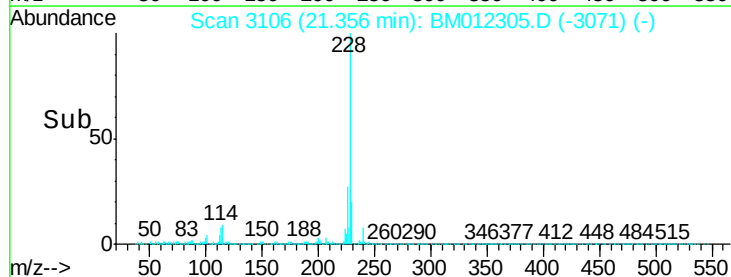
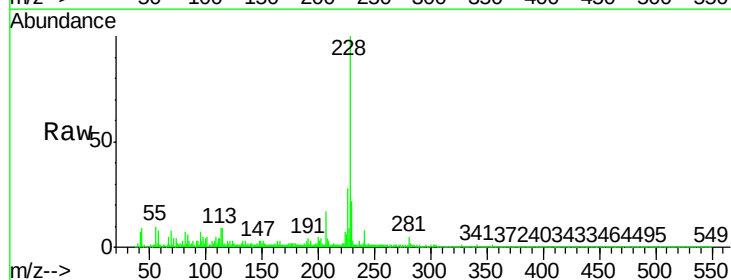
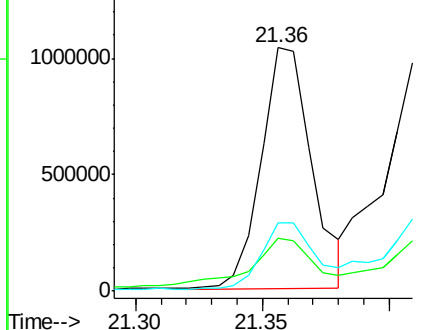
229 21.9 15.8 23.8

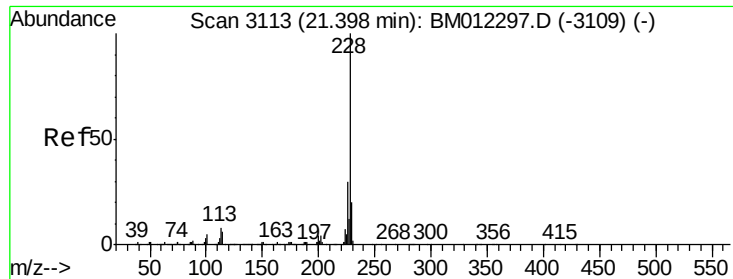
226 28.0 21.4 32.2

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 19.277 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Instrument :

BNA_M

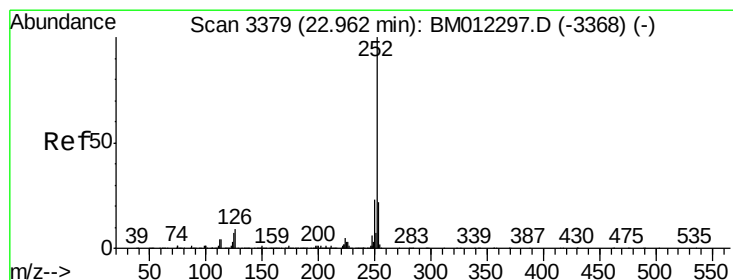
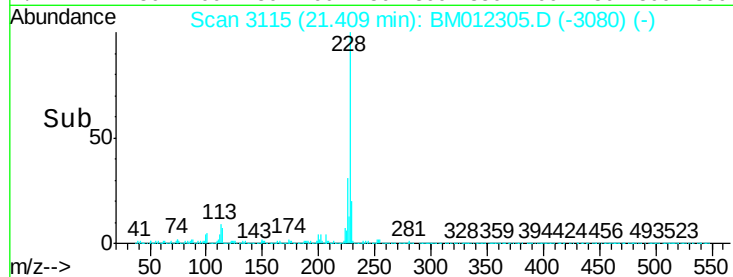
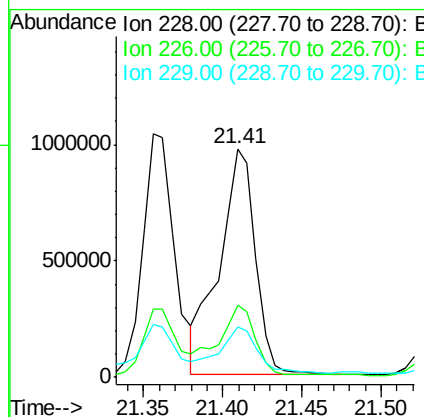
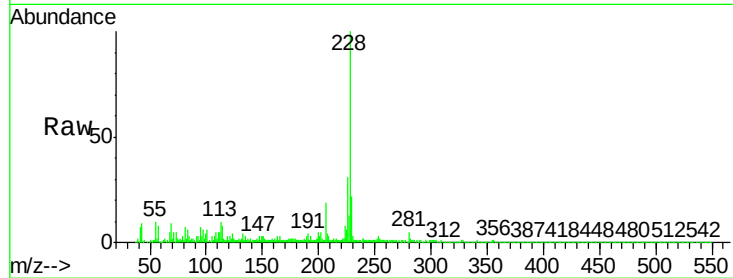
ClientSampleId :

B-32(2-4)-100417

Tgt Ion:	228	Resp:	1535256
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.0	36.0
229	22.1	15.5	23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 28.521 ng/ul

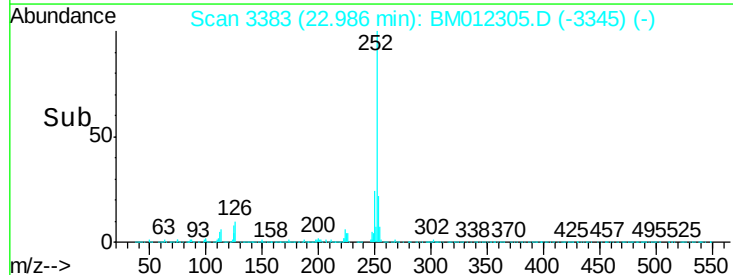
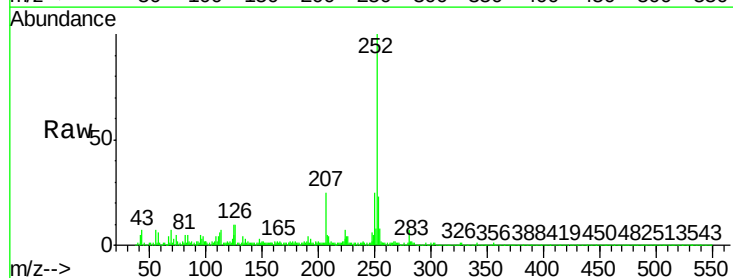
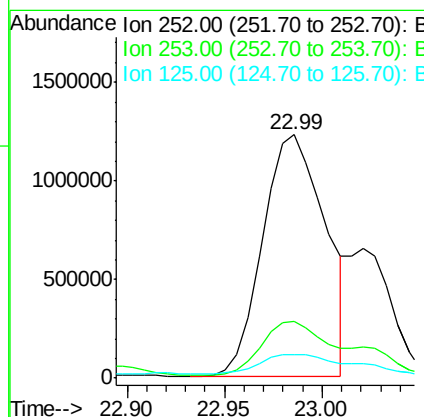
RT: 22.99 min Scan# 3383

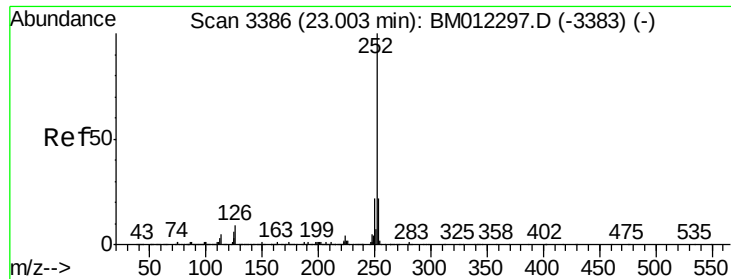
Delta R.T. 0.02 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Tgt Ion:	252	Resp:	2731542
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.2
125	9.9	5.1	7.7#





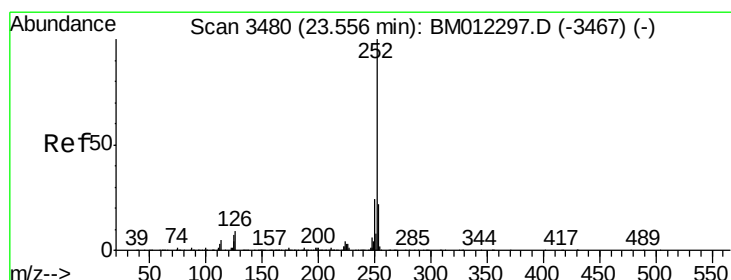
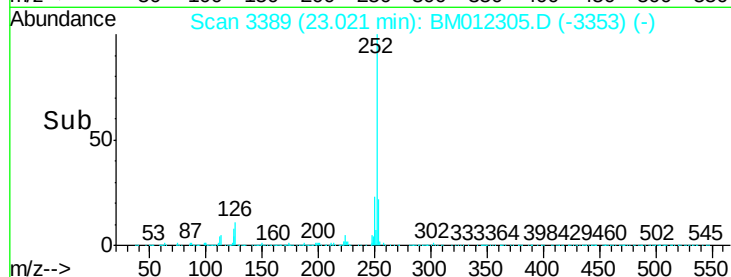
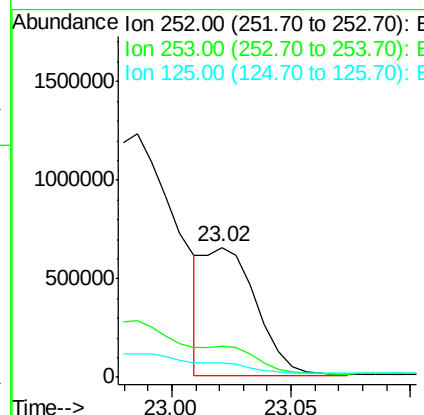
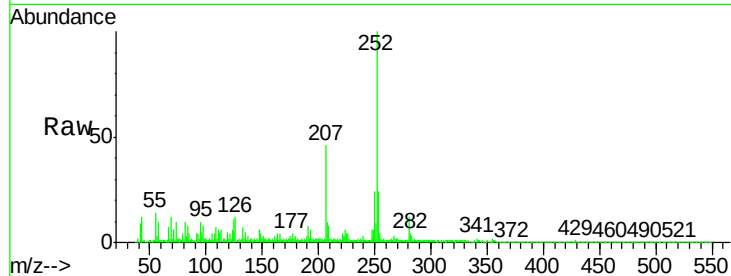
#86
Benzo(k)fluoranthene
Concen: 10.733 ng/ul m
RT: 23.02 min Scan# 3389
Delta R.T. 0.01 min
Lab File: BM012305.D
Acq: 19 Oct 2017 06:49

Instrument :
BNA_M
ClientSampleId :
B-32(2-4)-100417

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.4	17.8	26.6
125	11.1	4.9	7.3#

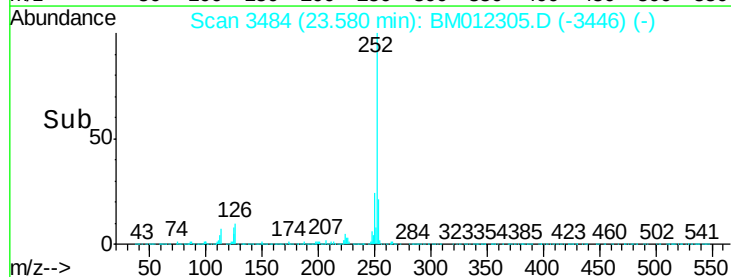
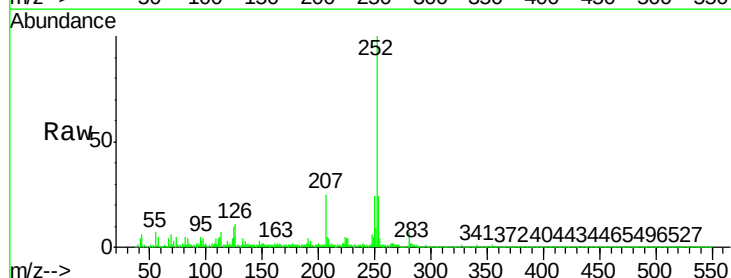
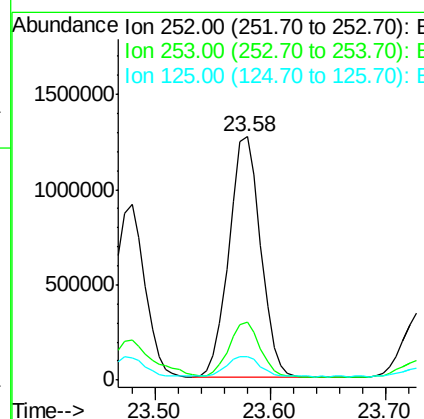
Manual Integrations
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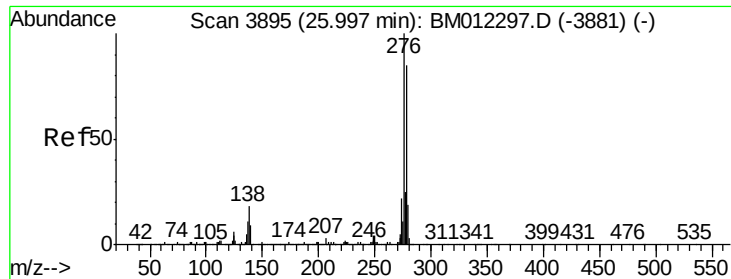
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10/23/2017 3:50:02 PM



#88
Benzo(a)pyrene
Concen: 26.697 ng/ul
RT: 23.58 min Scan# 3484
Delta R.T. 0.02 min
Lab File: BM012305.D
Acq: 19 Oct 2017 06:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	17.1	25.7
125	9.7	5.2	7.8#





#89

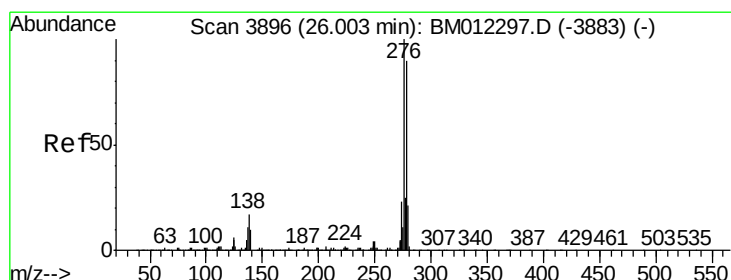
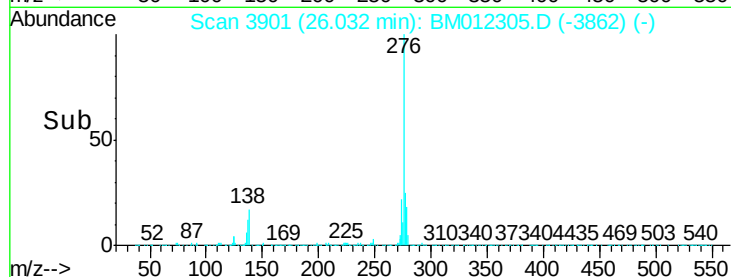
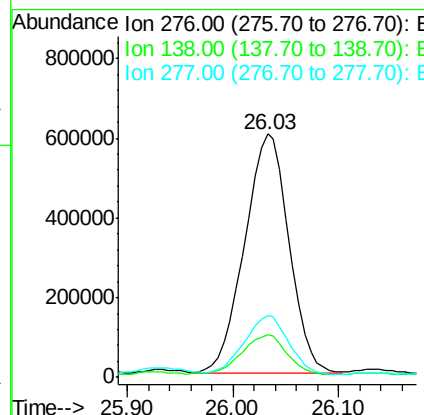
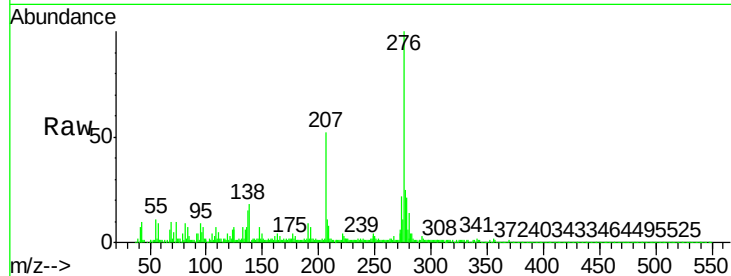
Indeno(1,2,3-cd)pyrene
Concen: 18.317 ng/ul
RT: 26.03 min Scan# 3901
Delta R.T. 0.03 min
Lab File: BM012305.D
Acq: 19 Oct 2017 06:49

Instrument :
BNA_M
ClientSampleId :
B-32(2-4)-100417

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	13.2	19.8
277	25.5	20.6	31.0

Manual Integrations
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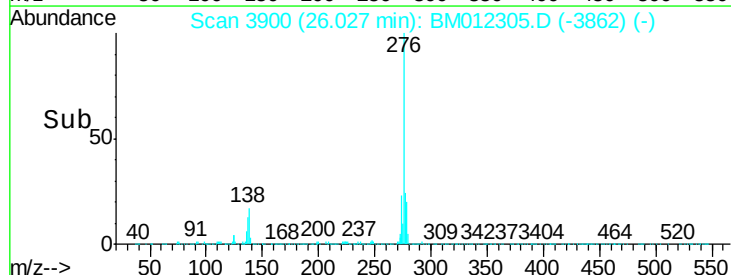
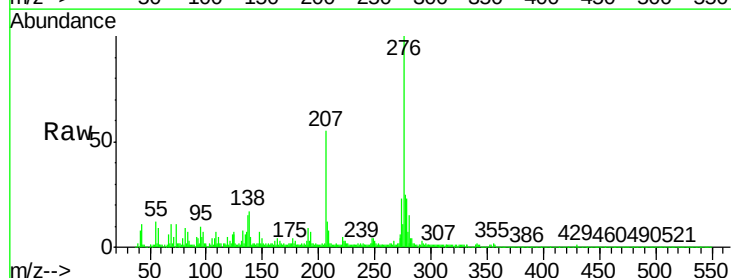
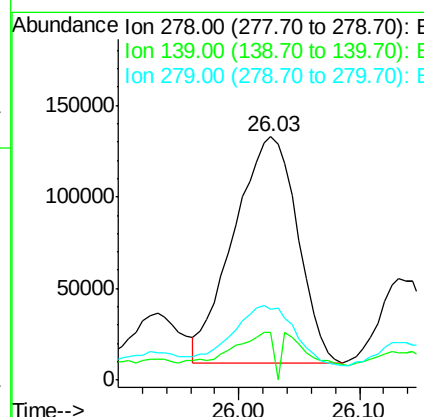
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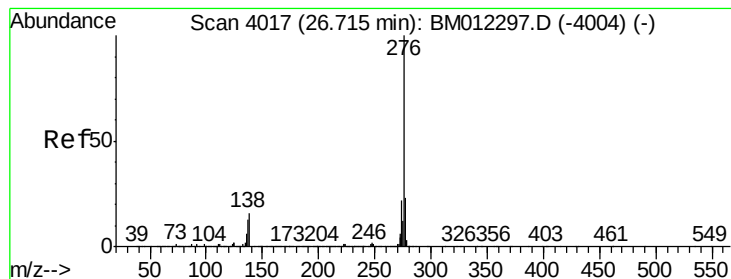


#90

Dibenzo(a,h)anthracene
Concen: 5.641 ng/ul
RT: 26.03 min Scan# 3900
Delta R.T. 0.02 min
Lab File: BM012305.D
Acq: 19 Oct 2017 06:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	8.3	12.5#
279	29.2	19.3	28.9#





#91

Benzo(g,h,i)perylene

Concen: 19.635 ng/ul

RT: 26.76 min Scan# 4025

Delta R.T. 0.04 min

Lab File: BM012305.D

Acq: 19 Oct 2017 06:49

Instrument :

BNA_M

ClientSampleId :

B-32(2-4)-100417

Tgt Ion: 276 Resp: 1541529

Ion Ratio Lower Upper

276 100

138 18.7 10.7 16.1#

277 25.6 19.0 28.4

Manual Integrations

APPROVED

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