

Data File : BM012313.D
Acq On : 19 Oct 2017 11:37
Operator : SJ/JU
Sample : I5693-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Manual Integrations
APPROVED

Sohil
10/23/2017 3:50:36 PM

Quant Time: Oct 19 16:33:30 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	281419	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	1232980	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	767942	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1725036	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1413720	20.00	ng/ul	0.01
83) Perylene-d12	23.68	264	1467645	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	6321	1.07	ng/uL	0.00
5) Phenol-d5	6.97	99	105487	4.62	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.12	67	67312	4.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	97701	5.04	ng/ul	0.01
13) 4-Methylphenol-d8	8.52	113	94093	4.79	ng/ul	0.02
19) Nitrobenzene-d5	8.96	128	45390	4.82	ng/ul	0.01
22) 2-Nitrophenol-d4	9.68	143	50005	4.55	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	92502	4.41	ng/ul	0.02
29) 4-Chloroaniline-d4	10.76	131	36121m	1.84	ng/ul	0.03
43) Dimethylphthalate-d6	13.85	166	358320	5.28	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	439712	5.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.73	143	23816m	2.33	ng/ul	0.06
57) Fluorene-d10	15.43	176	314411	5.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	516	0.04	ng/ul	0.02
70) Anthracene-d10	17.29	188	485496	5.69	ng/ul	0.00
76) Pyrene-d10	19.59	212	466699	6.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.53	264	406376	5.74	ng/ul	0.02

Target Compounds

					Qvalue	
44) Dimethylphthalate	13.89	163	142667	2.098	ng/ul	98
49) Acenaphthene	14.50	153	92193	1.697	ng/ul	99
69) Phenanthrene	17.23	178	1059111	10.793	ng/ul	99
71) Anthracene	17.32	178	315455	3.105	ng/ul	99
74) Fluoranthene	19.25	202	2271918	19.184	ng/ul#	95
77) Pyrene	19.62	202	2027168	21.713	ng/ul#	94
80) Benzo(a)anthracene	21.36	228	1168957	12.707	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.26	149	145893	2.339	ng/ul#	94
82) Chrysene	21.41	228	1062971m	12.308	ng/ul	
85) Benzo(b)fluoranthene	22.99	252	1326561	13.851	ng/ul#	90
86) Benzo(k)fluoranthene	23.02	252	522902m	5.665	ng/ul	
88) Benzo(a)pyrene	23.58	252	1039825	11.519	ng/ul#	90
89) Indeno(1,2,3-cd)pyrene	26.04	276	711851	7.426	ng/ul	96
90) Dibenzo(a,h)anthracene	26.04	278	186544	2.315	ng/ul#	65
91) Benzo(g,h,i)perylene	26.77	276	586711	7.473	ng/ul#	91

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

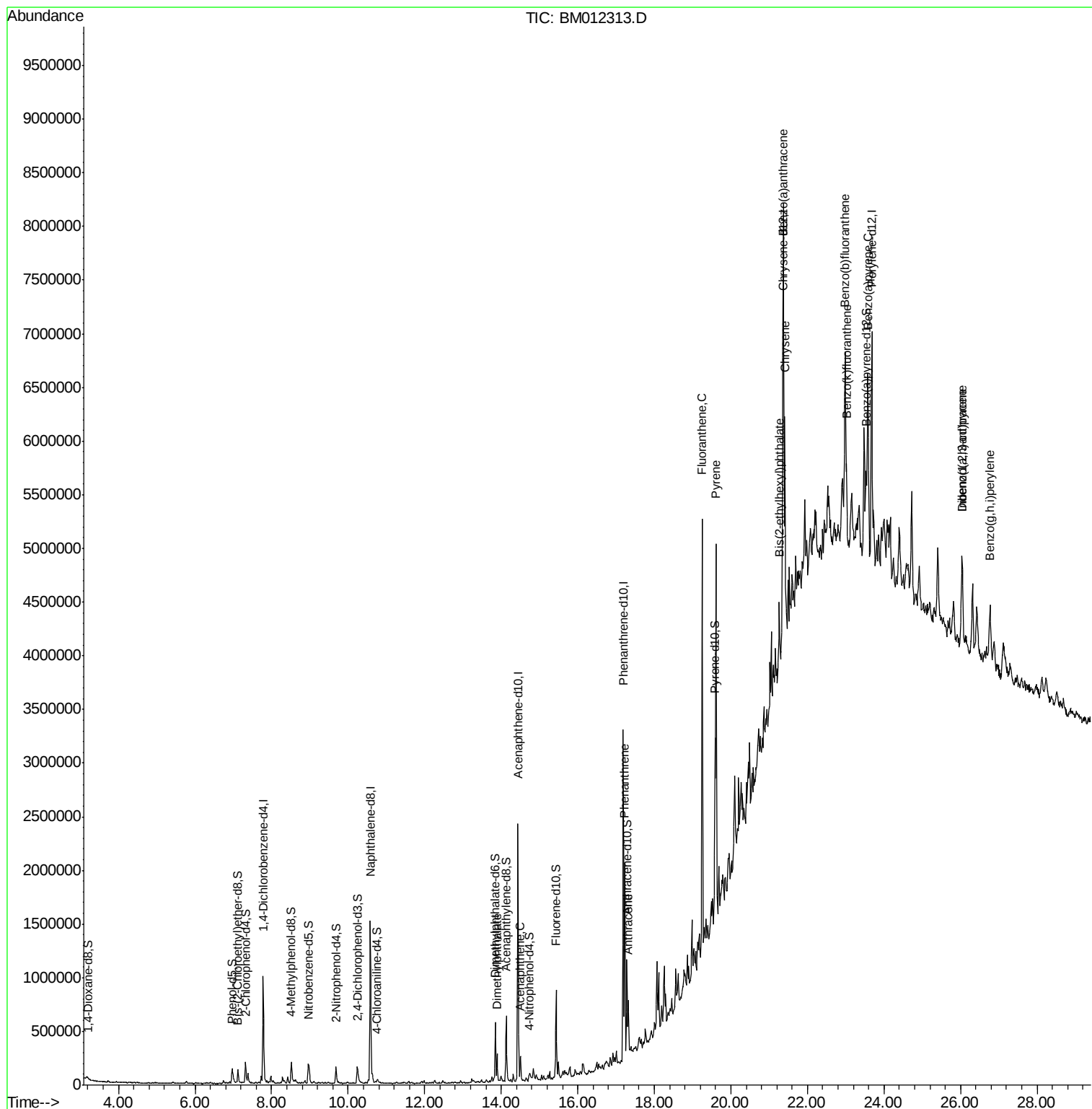
Data File : BM012313.D
Acq On : 19 Oct 2017 11:37
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Sample : I5693-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

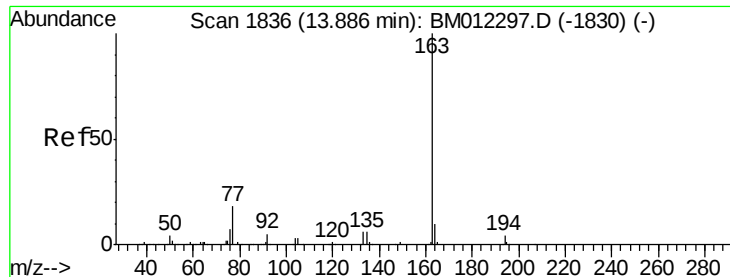
Instrument :
BNA_M
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B-55(0.5-1.5)-100317

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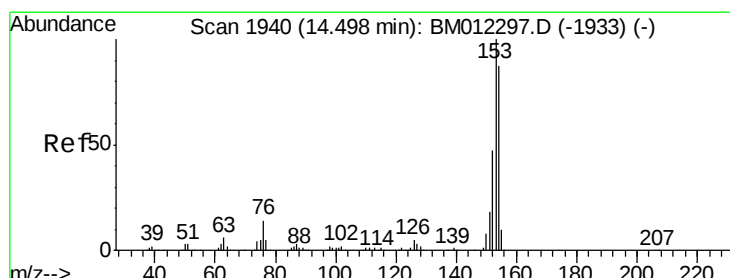
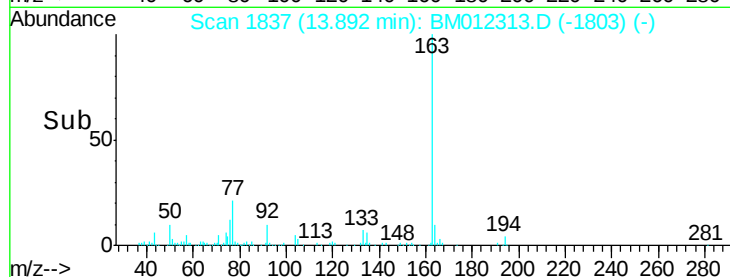
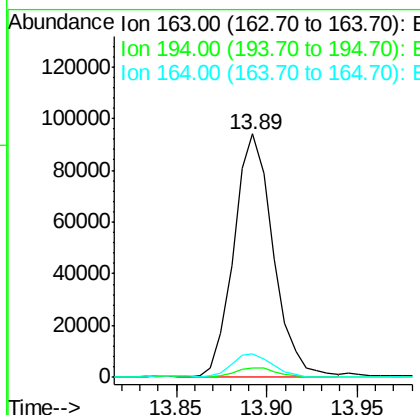
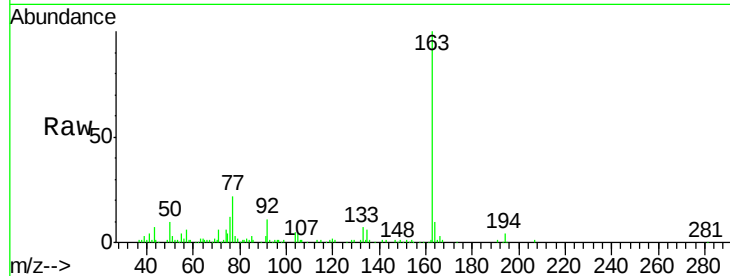
#44
Dimethylphthalate
Concen: 2.098 ng/ul
RT: 13.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BM012313.D
Acq: 19 Oct 2017 11:37

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	142667		
194	3.9		3.7	5.5
164	9.6		8.1	12.1

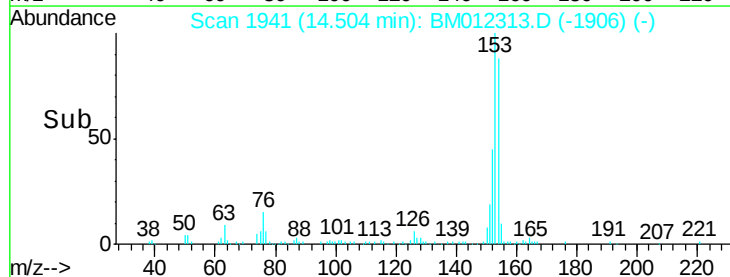
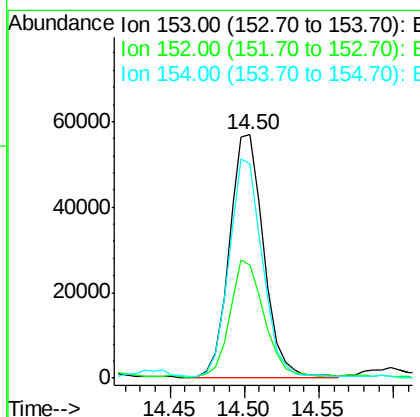
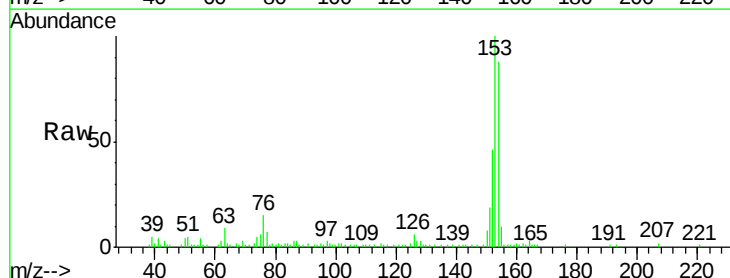
Manual Integrations
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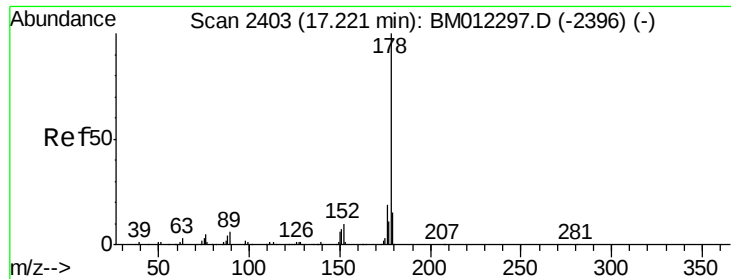
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#49
Acenaphthene
Concen: 1.697 ng/ul
RT: 14.50 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BM012313.D
Acq: 19 Oct 2017 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	92193		
152	46.2		37.4	56.0
154	87.9		71.1	106.7





#69

Phenanthrene

Concen: 10.793 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BM012313.D

Acq: 19 Oct 2017 11:37

Instrument :

BNA_M

ClientSampleId :

B-55(0.5-1.5)-100317

Tgt Ion:178 Resp: 1059111

Ion Ratio Lower Upper

178 100

179 15.6 12.0 18.0

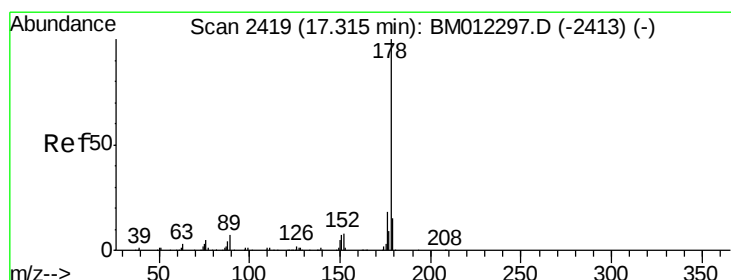
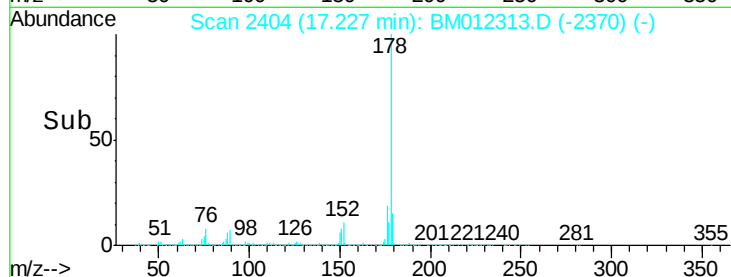
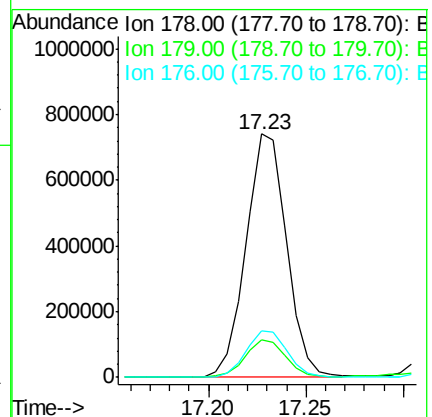
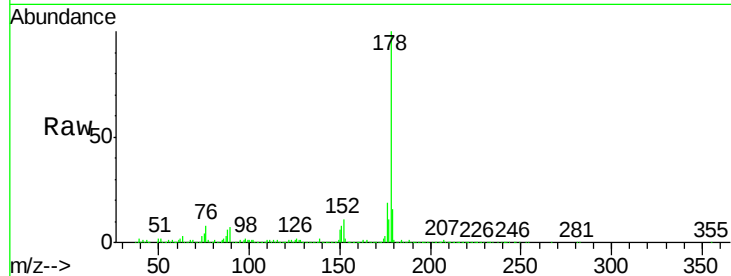
176 19.1 15.0 22.6

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#71

Anthracene

Concen: 3.105 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BM012313.D

Acq: 19 Oct 2017 11:37

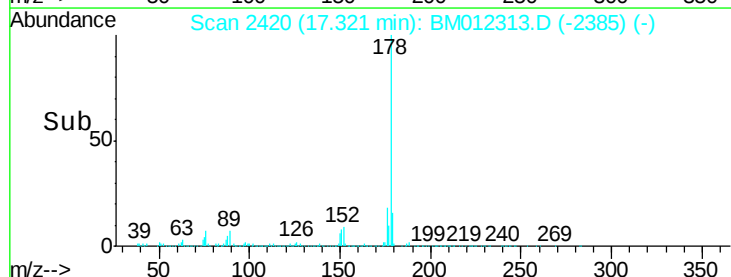
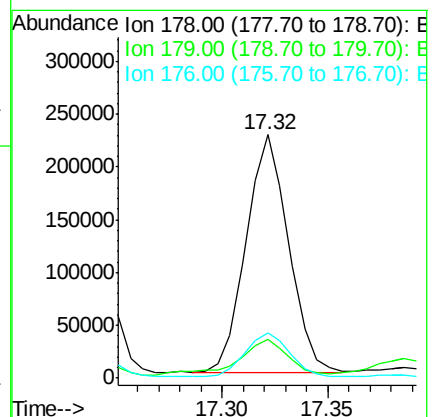
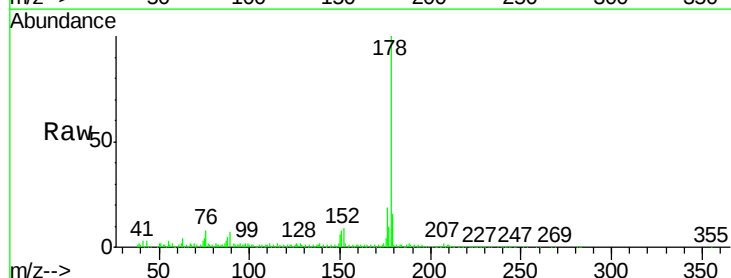
Tgt Ion:178 Resp: 315455

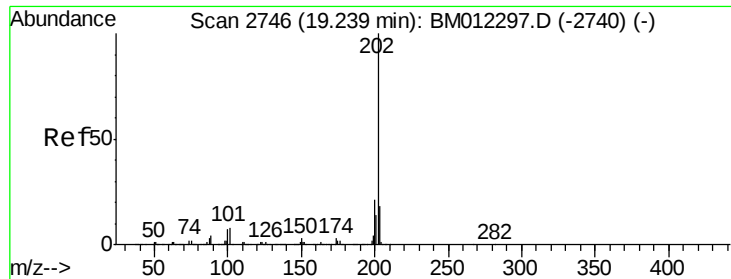
Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

176 18.6 14.7 22.1





#74

Fluoranthene

Concen: 19.184 ng/ul

RT: 19.25 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BM012313.D

Acq: 19 Oct 2017 11:37

Instrument :

BNA_M

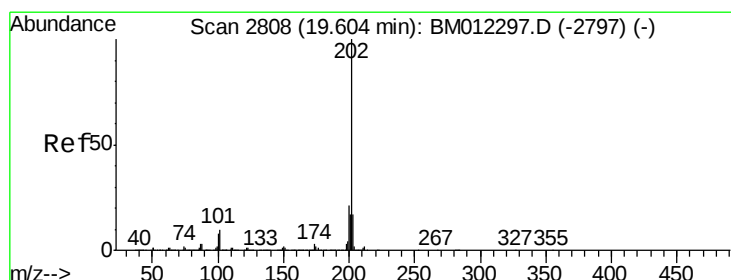
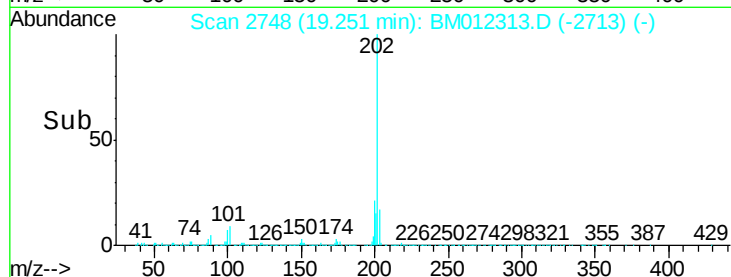
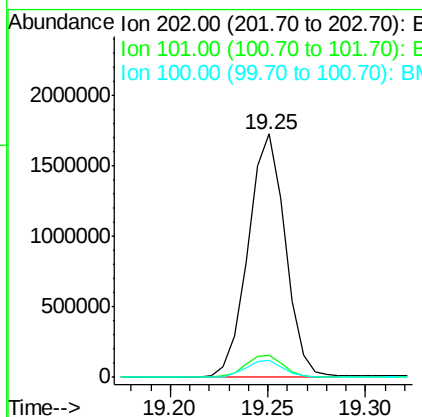
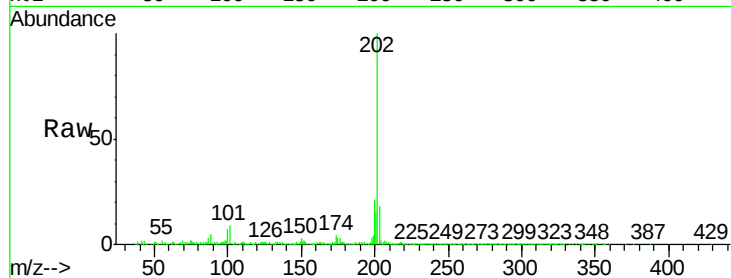
ClientSampleId :

B-55(0.5-1.5)-100317

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	5.8	8.6#
100	7.0	4.3	6.5#

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#77

Pyrene

Concen: 21.713 ng/ul

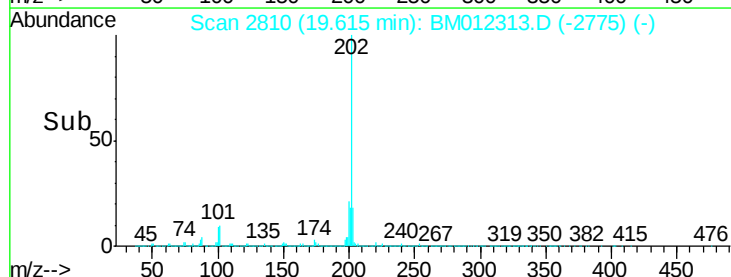
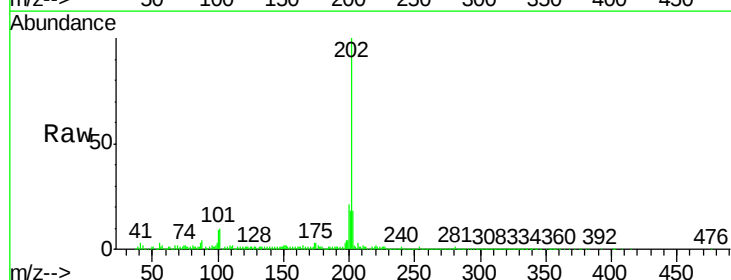
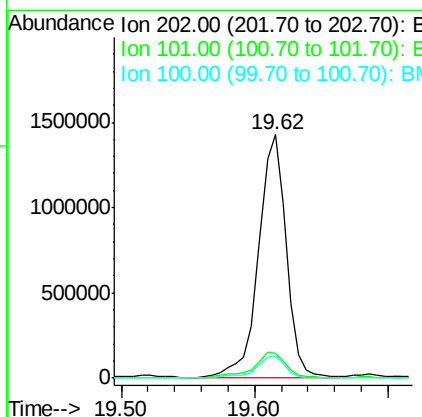
RT: 19.62 min Scan# 2810

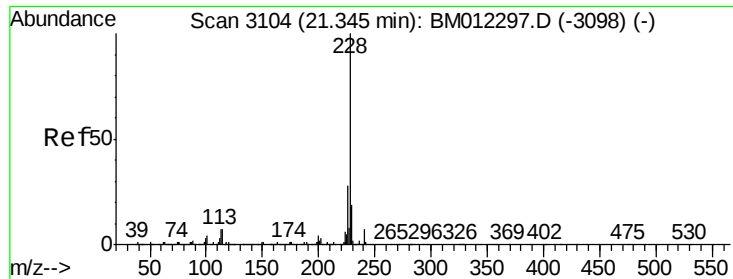
Delta R.T. 0.01 min

Lab File: BM012313.D

Acq: 19 Oct 2017 11:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	6.5	9.7#
100	8.9	5.6	8.4#





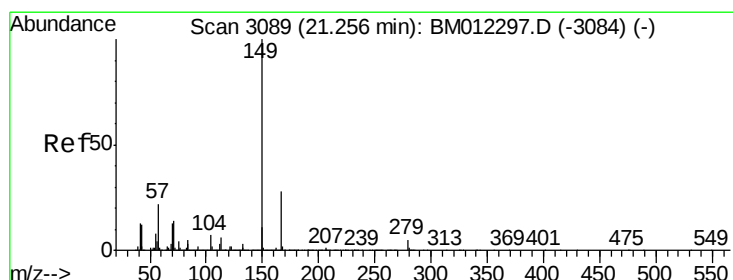
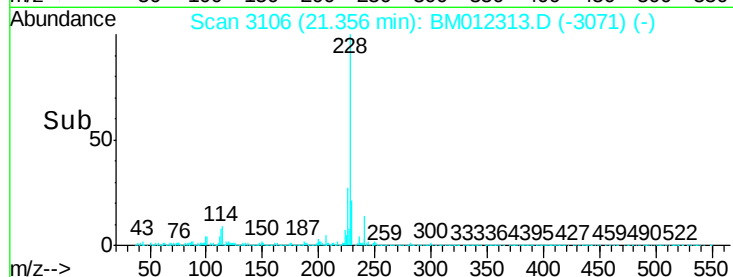
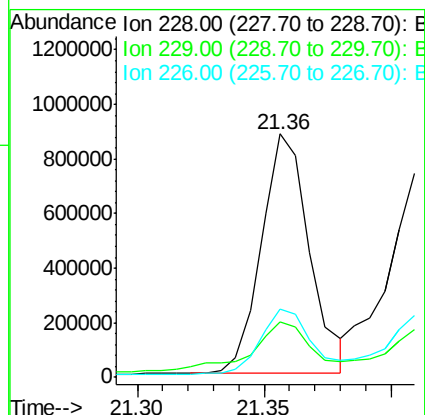
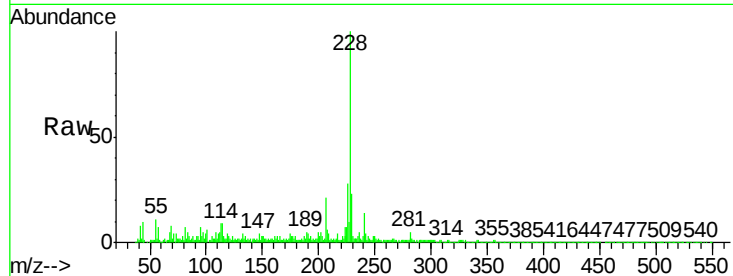
#80
Benzo(a)anthracene
Concen: 12.707 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BM012313.D
Acq: 19 Oct 2017 11:37

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.8	23.8
226	28.2	21.4	32.2

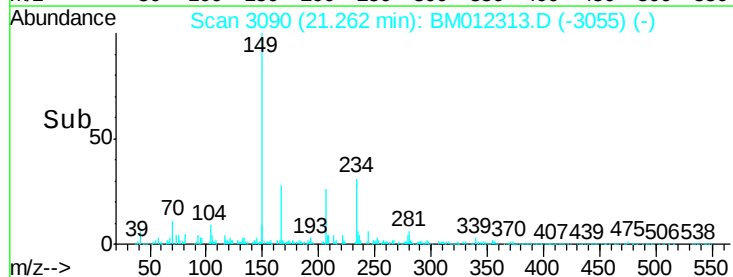
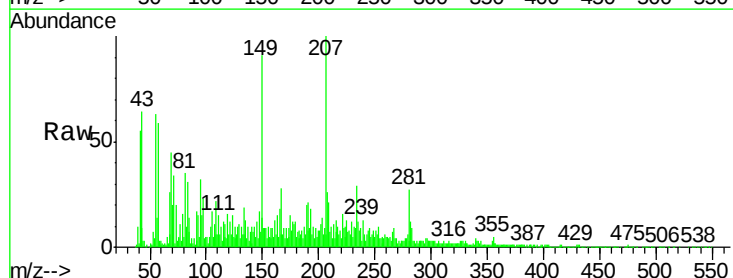
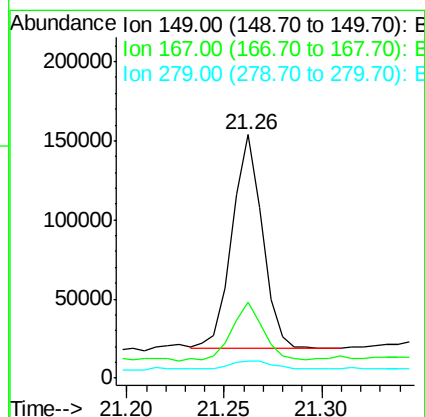
Manual Integrations
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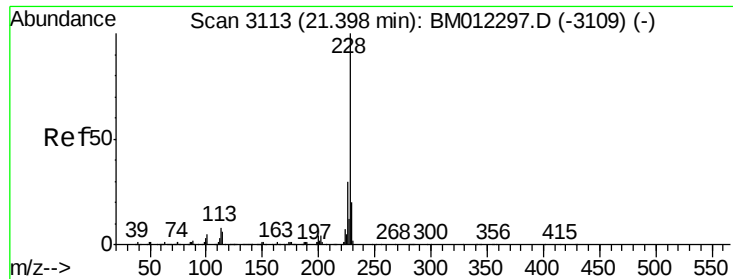
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#81
Bis(2-ethylhexyl)phthalate
Concen: 2.339 ng/ul
RT: 21.26 min Scan# 3090
Delta R.T. 0.01 min
Lab File: BM012313.D
Acq: 19 Oct 2017 11:37

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.2	22.5	33.7
279	6.9	4.4	6.6





#82

Chrysene

Concen: 12.308 ng/ul m

RT: 21.41 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM012313.D

Acq: 19 Oct 2017 11:37

Instrument :

BNA_M

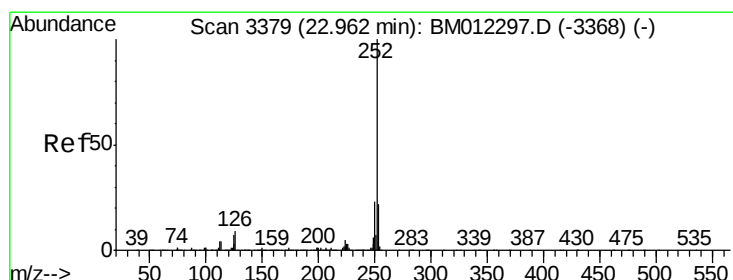
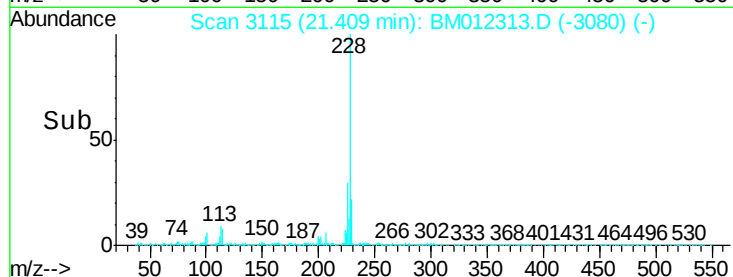
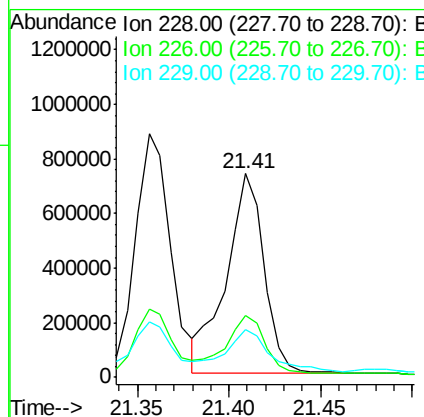
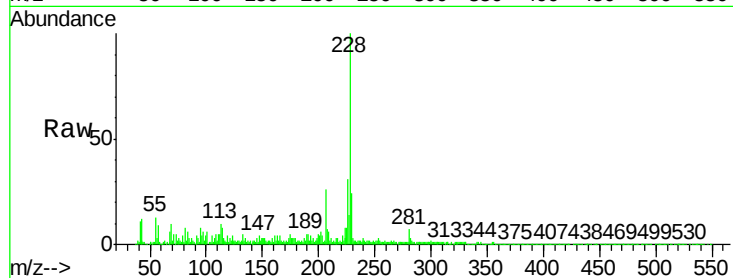
ClientSampleId :

B-55(0.5-1.5)-100317

Tgt Ion:	228	Resp:	1062971
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	23.7	15.5	23.3#

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 13.851 ng/ul

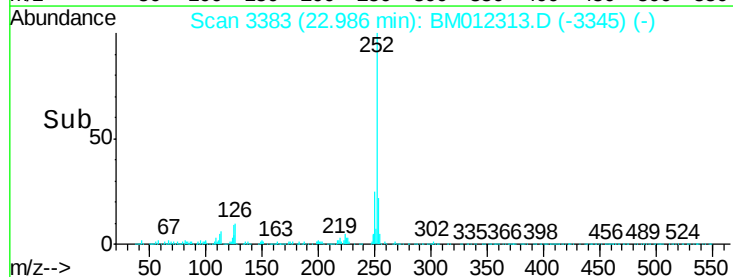
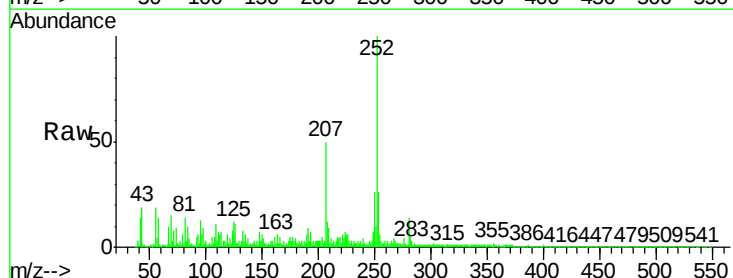
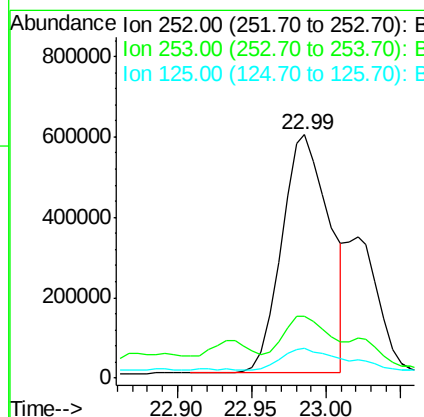
RT: 22.99 min Scan# 3383

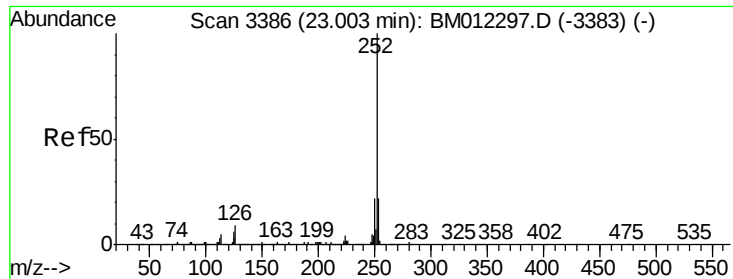
Delta R.T. 0.02 min

Lab File: BM012313.D

Acq: 19 Oct 2017 11:37

Tgt Ion:	252	Resp:	1326561
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.4	26.2
125	12.5	5.1	7.7#





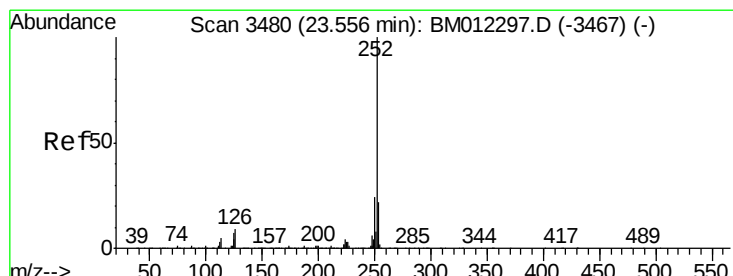
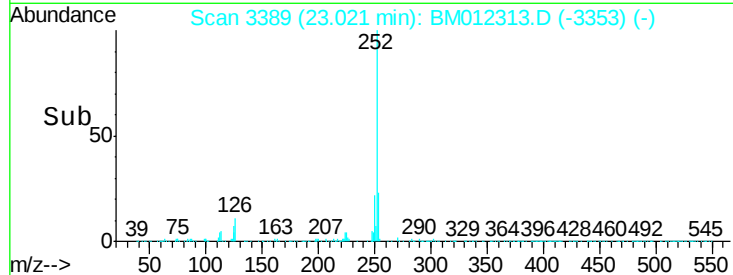
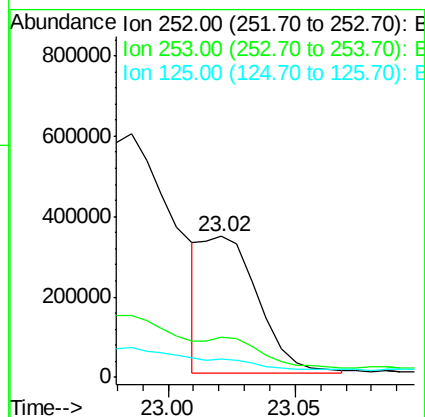
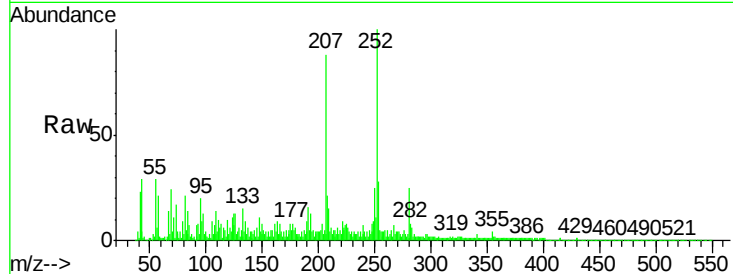
#86
Benzo(k)fluoranthene
Concen: 5.665 ng/ul m
RT: 23.02 min Scan# 3389
Delta R.T. 0.01 min
Lab File: BM012313.D
Acq: 19 Oct 2017 11:37

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.8	26.6#
125	12.9	4.9	7.3#

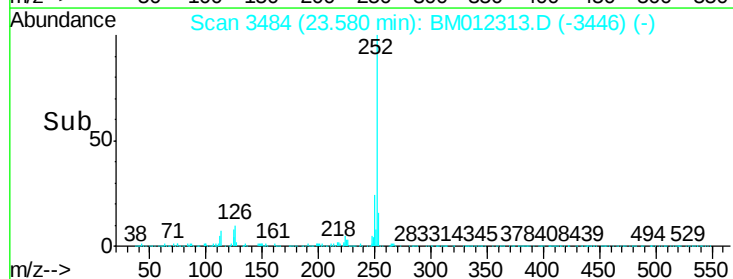
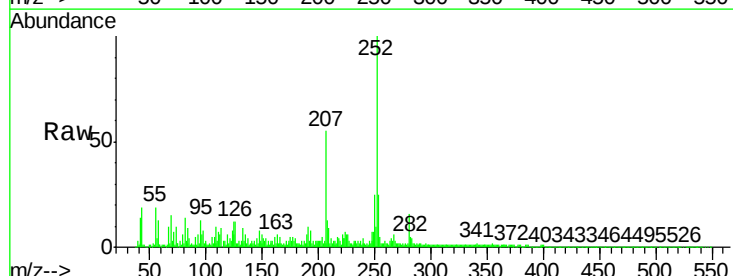
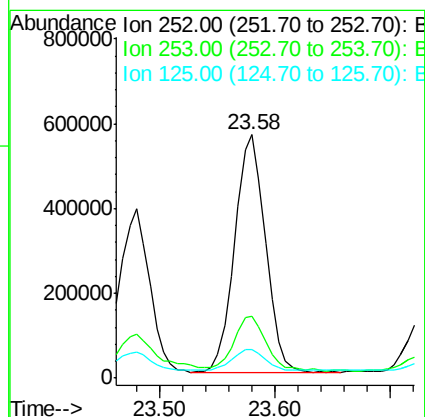
Manual Integrations
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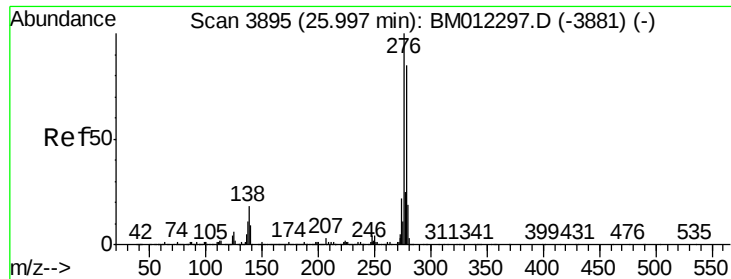
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#88
Benzo(a)pyrene
Concen: 11.519 ng/ul
RT: 23.58 min Scan# 3484
Delta R.T. 0.02 min
Lab File: BM012313.D
Acq: 19 Oct 2017 11:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.1	25.7
125	11.6	5.2	7.8#





#89

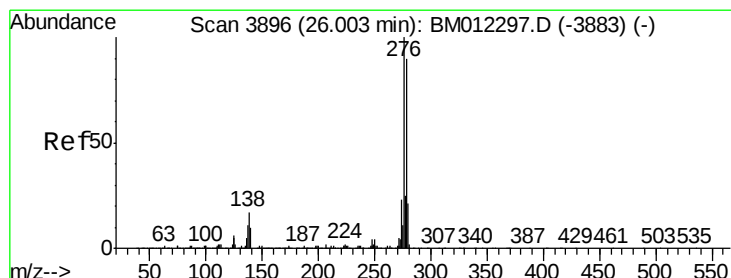
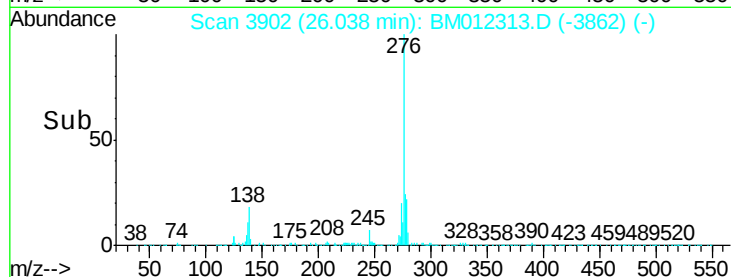
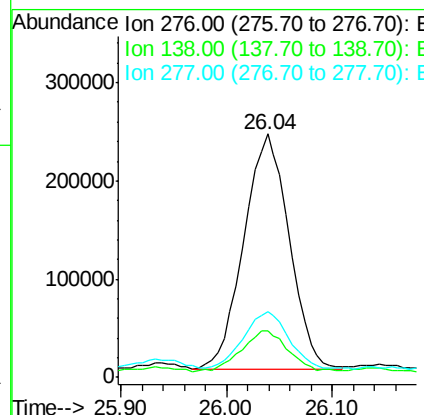
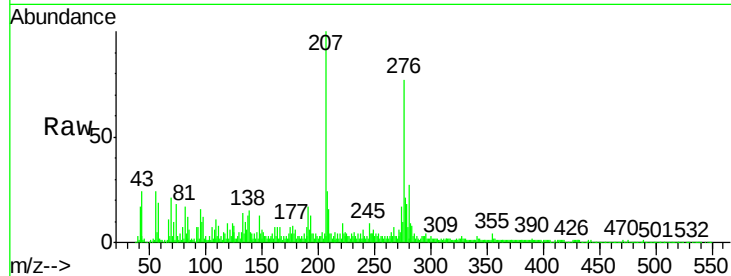
Indeno(1,2,3-cd)pyrene
Concen: 7.426 ng/ul
RT: 26.04 min Scan# 3902
Delta R.T. 0.04 min
Lab File: BM012313.D
Acq: 19 Oct 2017 11:37

Instrument :
BNA_M
ClientSampleId :
B-55(0.5-1.5)-100317

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	13.2	19.8
277	26.9	20.6	31.0

Manual Integrations
APPROVED

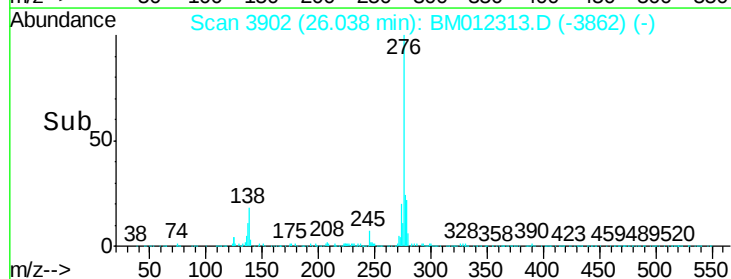
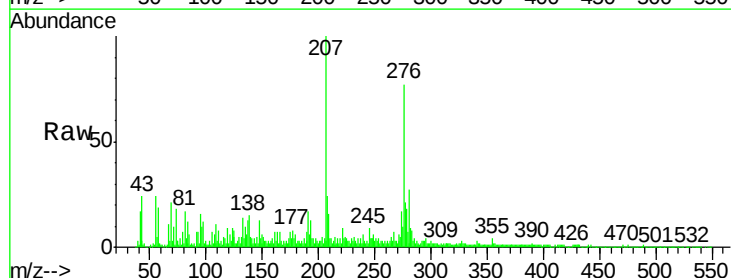
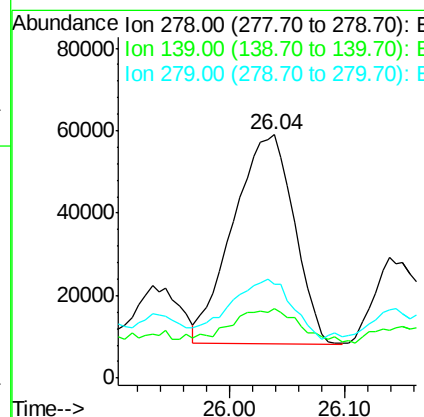
Sohil
10/23/2017 3:50:36 PM

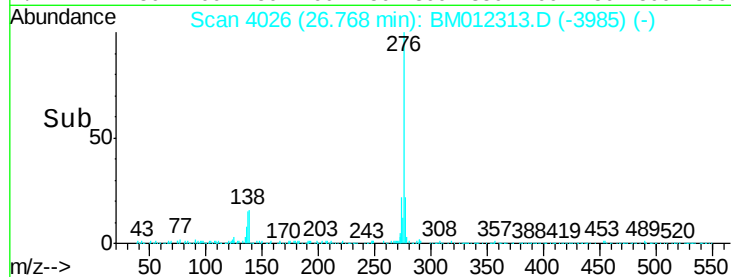
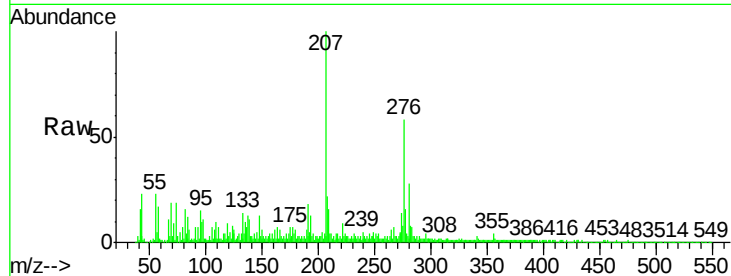
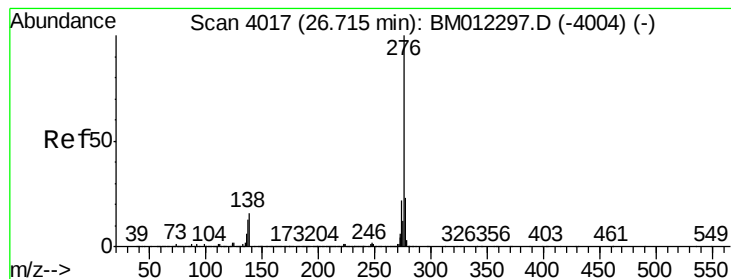


#90

Dibenzo(a,h)anthracene
Concen: 2.315 ng/ul
RT: 26.04 min Scan# 3902
Delta R.T. 0.04 min
Lab File: BM012313.D
Acq: 19 Oct 2017 11:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.5	8.3	12.5#
279	38.6	19.3	28.9#





#91

Benzo(g,h,i)perylene

Concen: 7.473 ng/ul

RT: 26.77 min Scan# 4026

Delta R.T. 0.04 min

Lab File: BM012313.D

Acq: 19 Oct 2017 11:37

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		586711		
138	19.1	10.7	16.1#		
277	26.8	19.0	28.4		

Instrument :

BNA_M

ClientSampleId :

B-55(0.5-1.5)-100317

Manual Integrations
APPROVED

Sohil
10/23/2017 3:50:36 PM

