

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
 Data File : BM012063.D
 Acq On : 11 Oct 2017 03:51
 Operator : SJ/JU
 Sample : I5669-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB3M3

Manual Integrations
 APPROVED

Sohil
 10/11/2017 7:29:42 PM

Quant Time: Oct 11 09:04:28 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 02:39:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	283047	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1215774	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	743644	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1763966	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	2153074	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1925760	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	13724	2.29	ng/uL	0.00
5) Phenol-d5	7.00	99	311364	12.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	285924	19.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	287399	14.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	301167	14.31	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	190275	21.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	63720	6.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	243043	12.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	12795	0.59	ng/ul	0.02
43) Dimethylphthalate-d6	13.89	166	668657	10.37	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1712441	22.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.74	143	462	0.04	ng/ul	0.05
57) Fluorene-d10	15.48	176	1231668	21.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	5249	0.44	ng/ul	0.01
70) Anthracene-d10	17.33	188	1986533	22.85	ng/ul	0.00
76) Pyrene-d10	19.63	212	2439910	25.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	2117417	22.86	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.94	163	212898	3.434	ng/ul	99
69) Phenanthrene	17.27	178	724994	7.472	ng/ul	99
71) Anthracene	17.37	178	151372	1.533	ng/ul	99
74) Fluoranthene	19.29	202	1730965	14.621	ng/ul#	91
77) Pyrene	19.65	202	1493391	12.509	ng/ul#	88
80) Benzo(a)anthracene	21.39	228	928876	7.531	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.31	149	183978	2.644	ng/ul	96
82) Chrysene	21.44	228	927962	7.918	ng/ul	99
85) Benzo(b)fluoranthene	23.03	252	1266661	10.821	ng/ul#	93
86) Benzo(k)fluoranthene	23.06	252	419510m	3.590	ng/ul	
88) Benzo(a)pyrene	23.63	252	750538	6.673	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.09	276	478576	3.976	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.09	278	126452	1.279	ng/ul#	89
91) Benzo(g,h,i)perylene	26.82	276	383131	3.848	ng/ul#	92

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

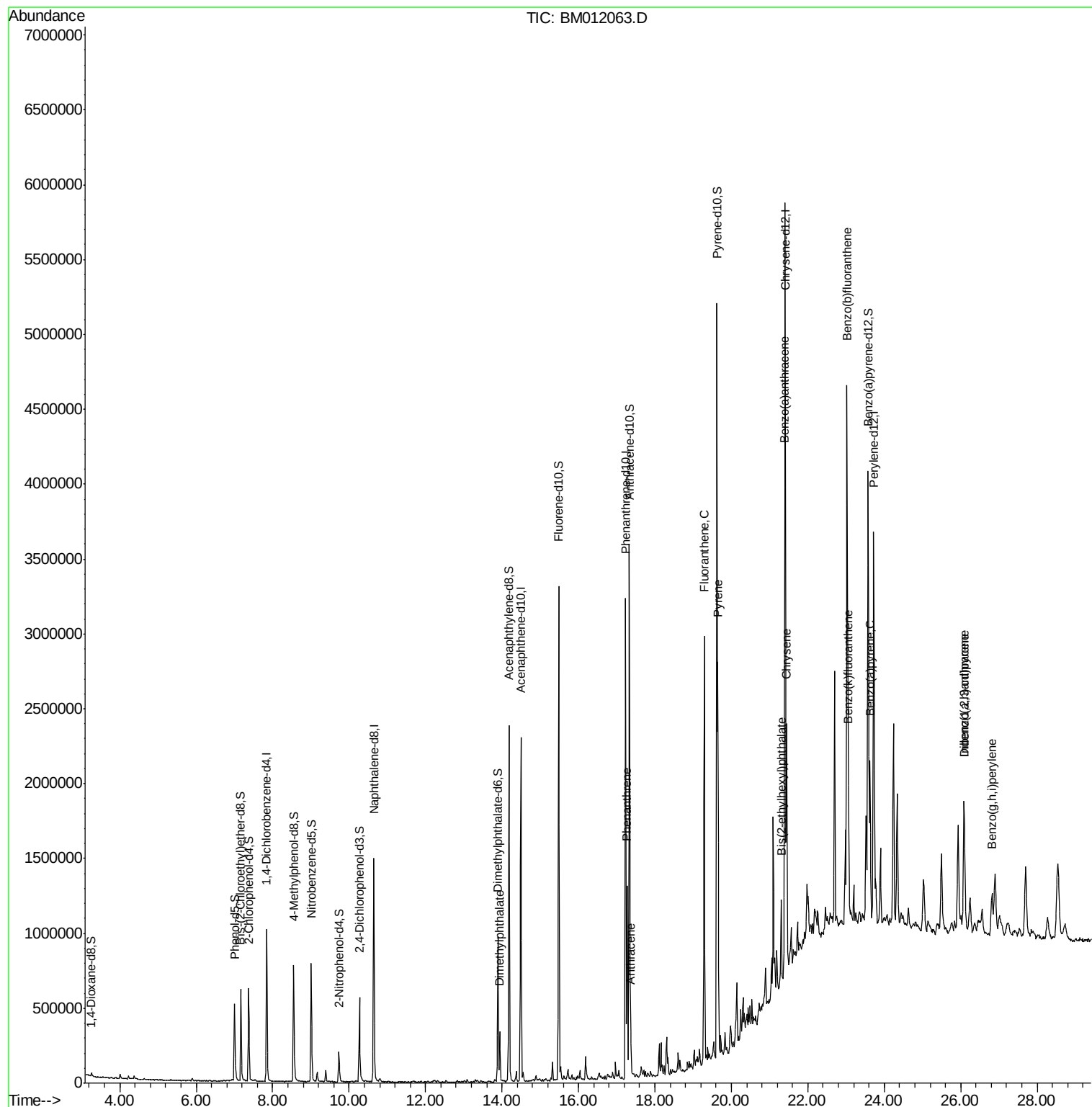
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012063.D
Acq On : 11 Oct 2017 03:51
Operator : SJ/JU
Sample : I5669-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

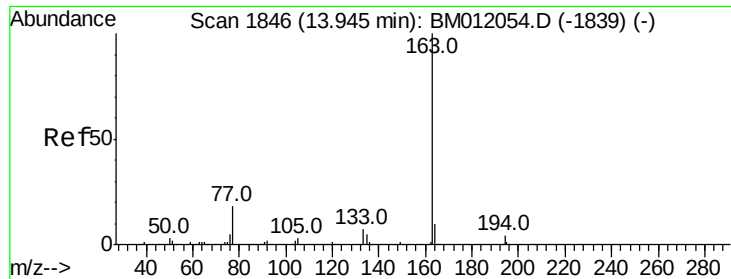
Instrument :
BNA_M
ClientSampleId :
CB3M3

Manual Integrations
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10/11/2017 7:29:42 PM

Quant Time: Oct 11 09:04:28 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





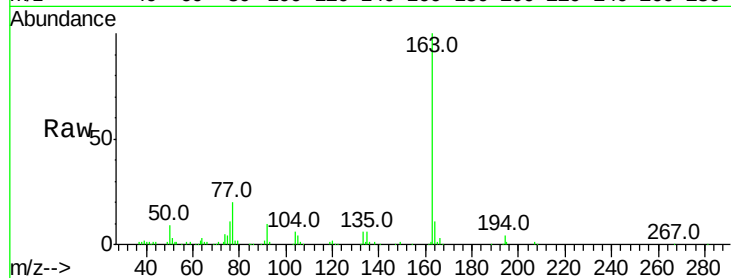
#44
Dimethylphthalate
Concen: 3.434 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BM012063.D
Acq: 11 Oct 2017 03:51

Instrument :
BNA_M
ClientSampleId :
CB3M3

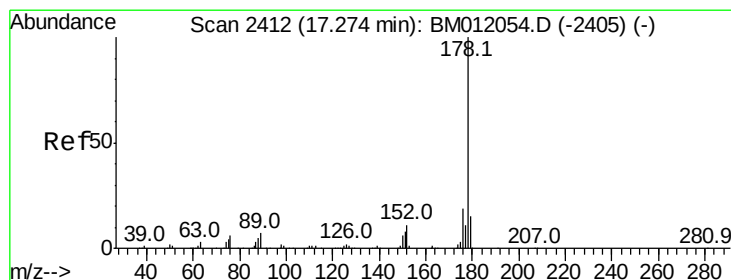
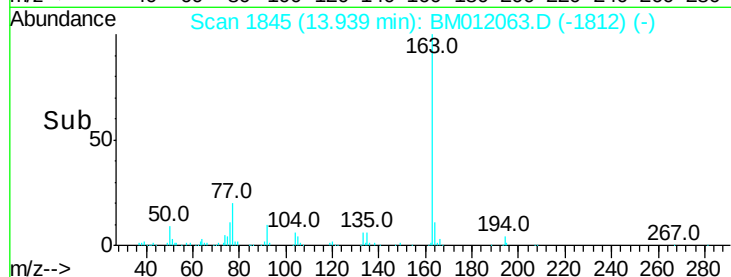
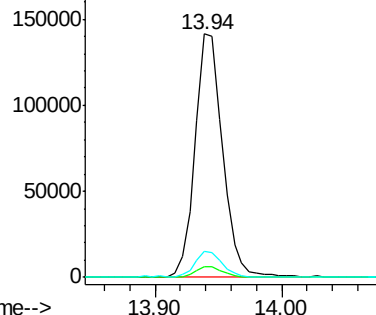
Tot Ion	Ratio	Resp	Lower	Upper
163	100	212898		
194	4.2		3.5	5.3
164	10.6		8.2	12.4

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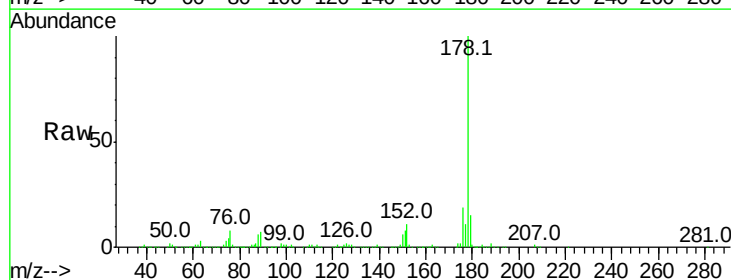


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

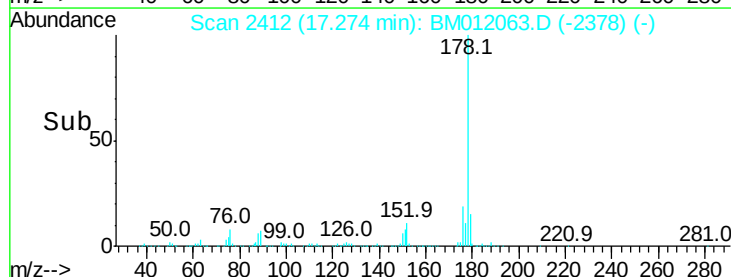
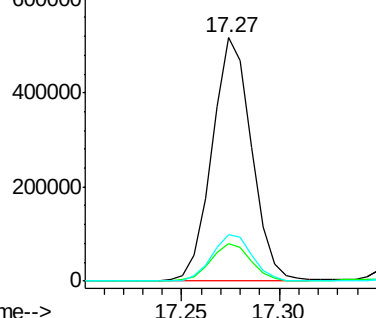


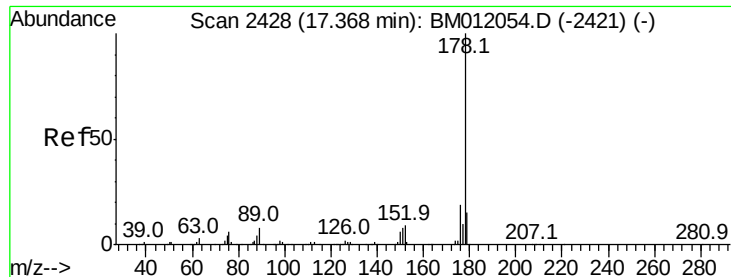
#69
Phenanthrene
Concen: 7.472 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BM012063.D
Acq: 11 Oct 2017 03:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	724994		
179	15.4		12.6	19.0
176	19.2		14.9	22.3



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





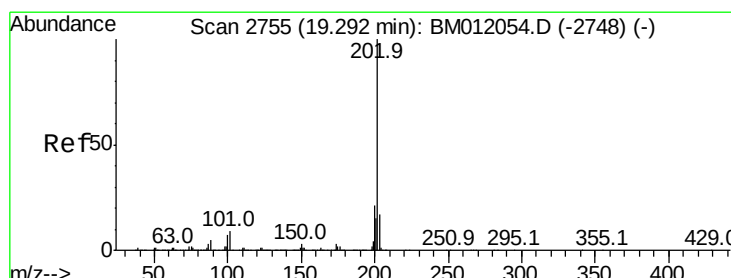
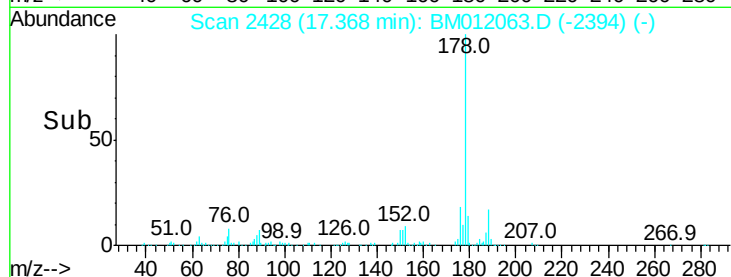
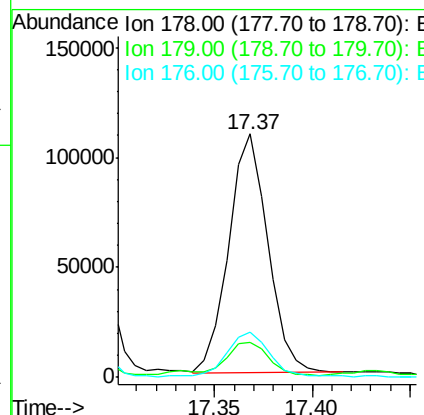
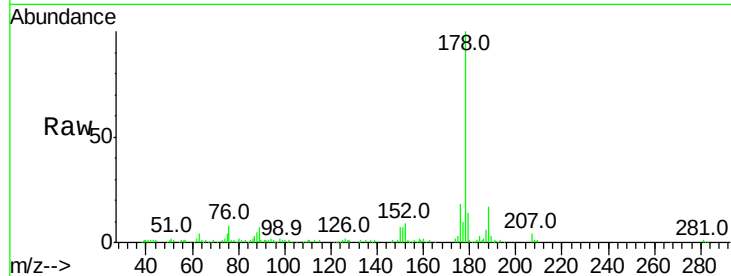
#71
 Anthracene
 Concen: 1.533 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM012063.D
 Acq: 11 Oct 2017 03:51

Instrument :
 BNA_M
 ClientSampled :
 CB3M3

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.4	11.7	17.5
176	18.5	14.6	21.8

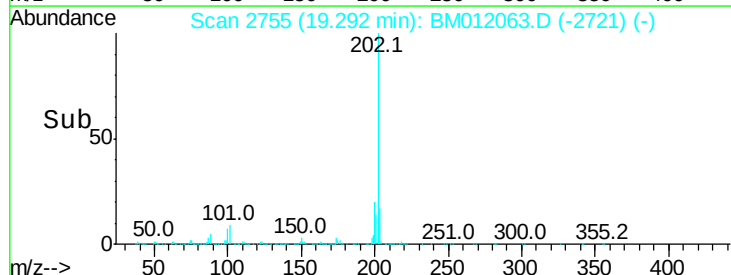
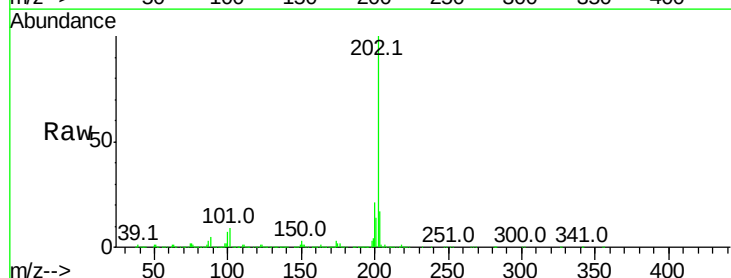
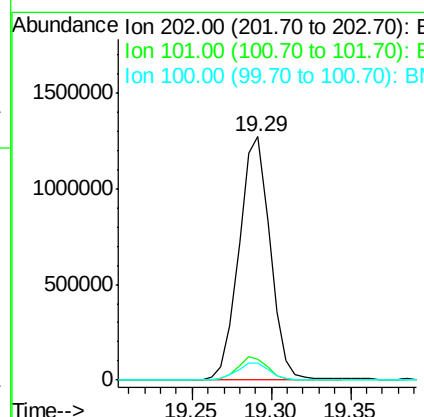
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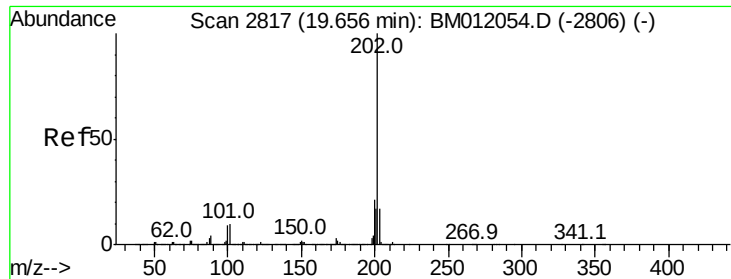
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#74
 Fluoranthene
 Concen: 14.621 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. -0.00 min
 Lab File: BM012063.D
 Acq: 11 Oct 2017 03:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	4.6	7.0#
100	7.0	3.4	5.2#





#77

Pvrene

Concen: 12.509 ng/ul

RT: 19.65 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BM012063.D

Acq: 11 Oct 2017 03:51

Instrument :

BNA_M

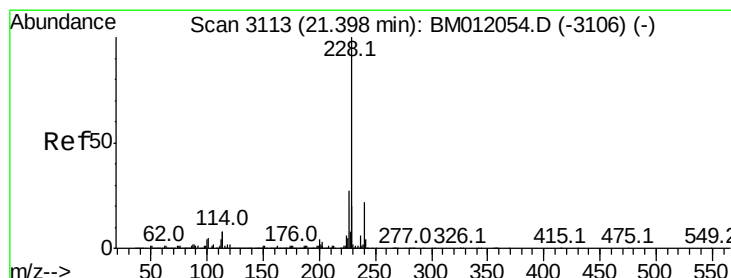
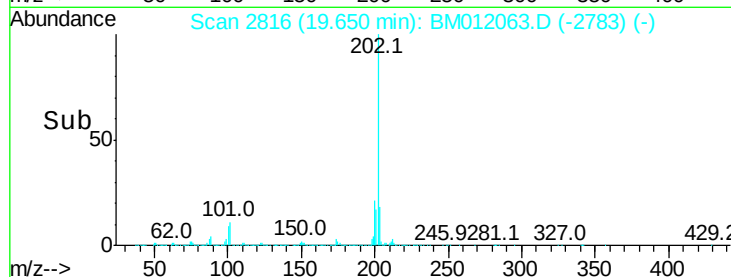
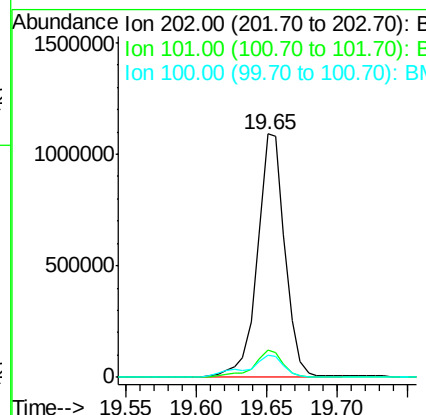
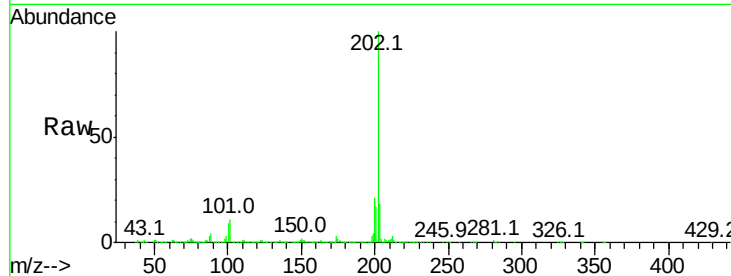
ClientSampled :

CB3M3

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.2	5.1	7.7#
100	9.4	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 7.531 ng/ul

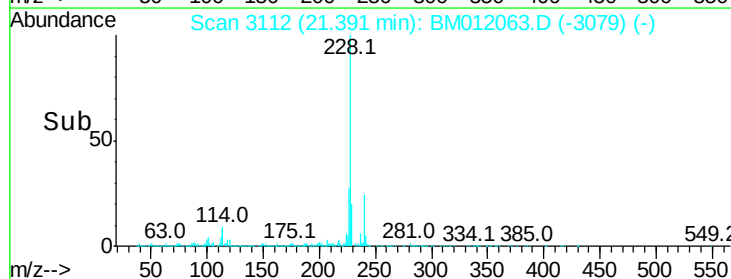
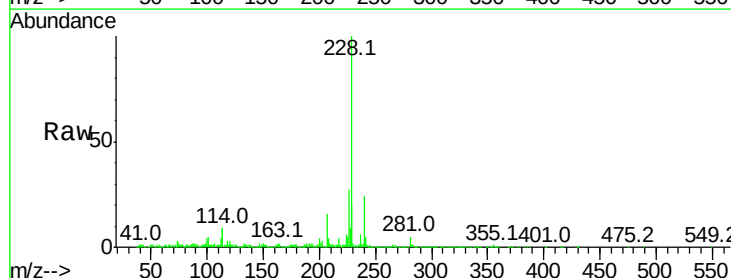
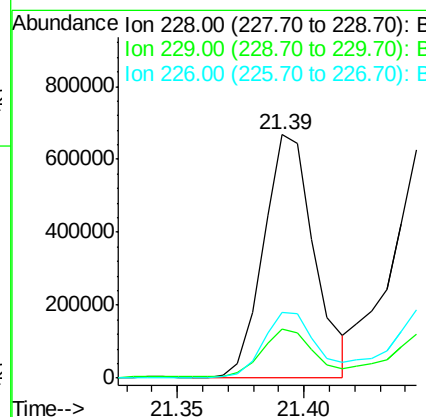
RT: 21.39 min Scan# 3112

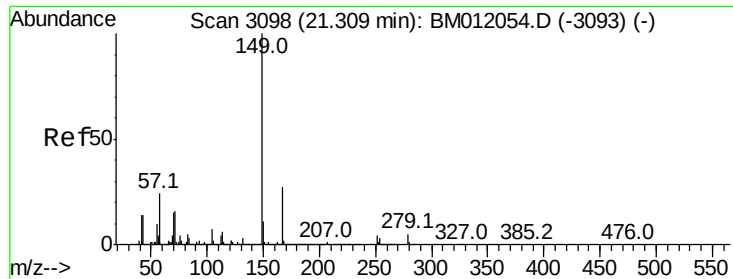
Delta R.T. -0.01 min

Lab File: BM012063.D

Acq: 11 Oct 2017 03:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	27.0	21.4	32.0





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.644 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM012063.D

Acq: 11 Oct 2017 03:51

Instrument :

BNA_M

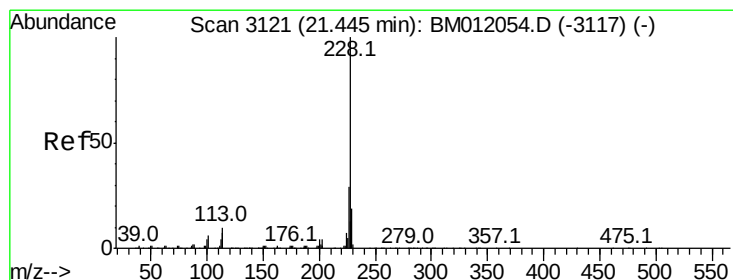
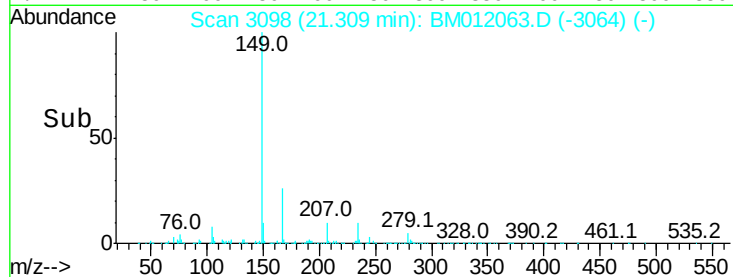
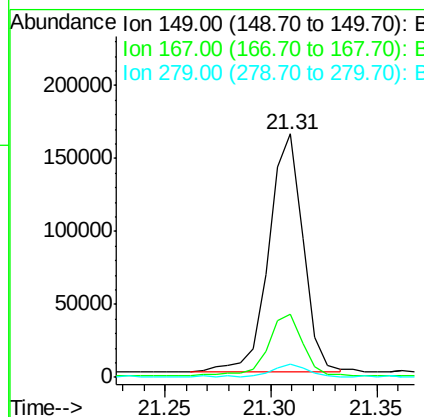
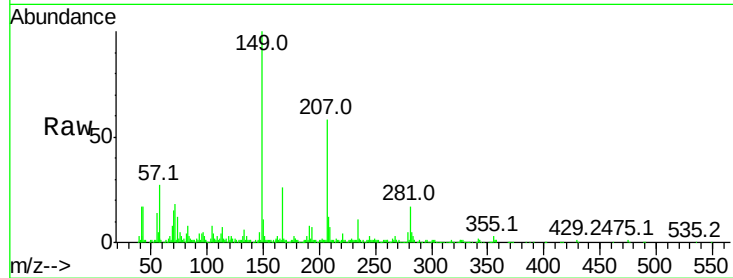
ClientSampled :

CB3M3

Tot Ion:	149	Resp:	183978
Ion Ratio	Lower	Upper	
149	100		
167	26.1	22.8	34.2
279	5.3	4.9	7.3

Manual Integrations
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#82

Chrysene

Concen: 7.918 ng/ul

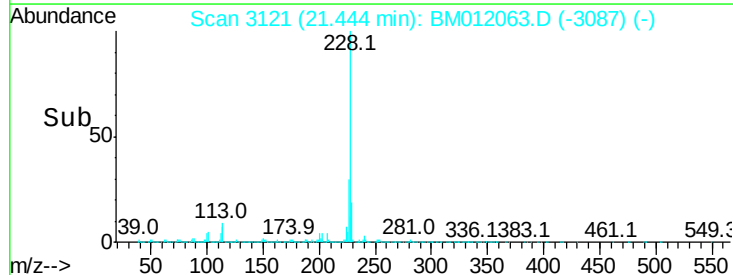
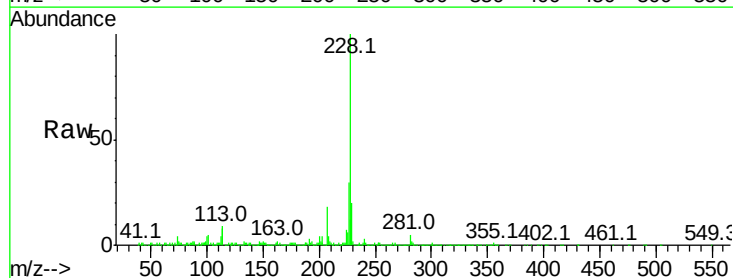
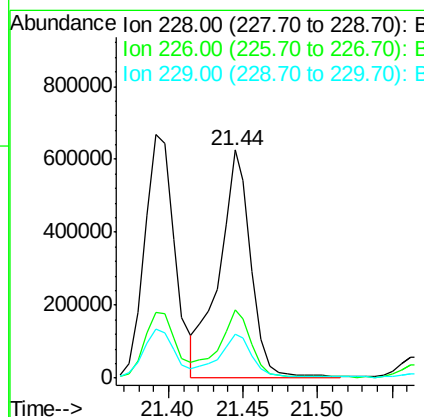
RT: 21.44 min Scan# 3121

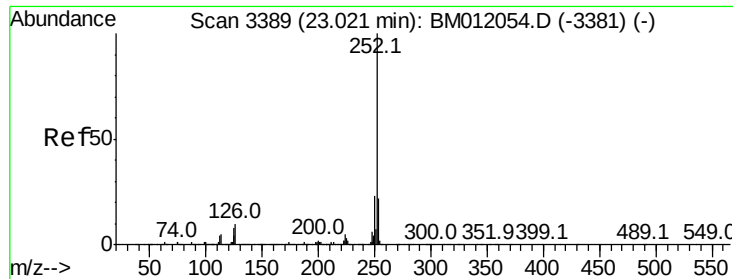
Delta R.T. -0.00 min

Lab File: BM012063.D

Acq: 11 Oct 2017 03:51

Tgt Ion:	228	Resp:	927962
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.4	35.2
229	19.6	15.5	23.3





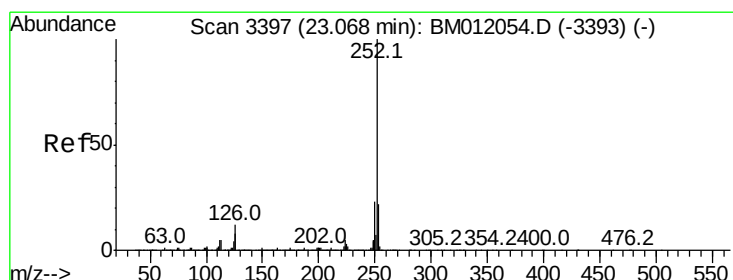
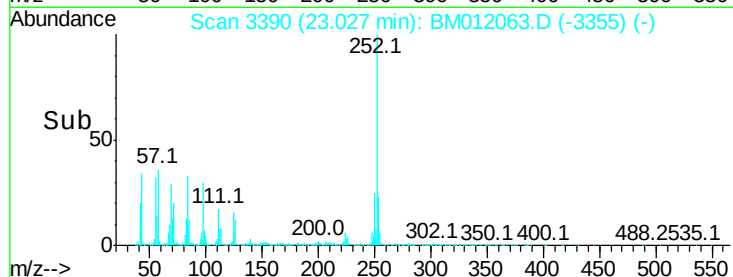
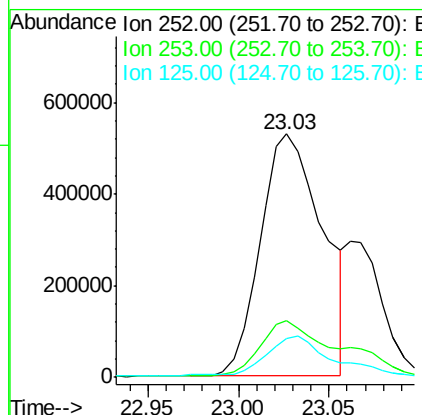
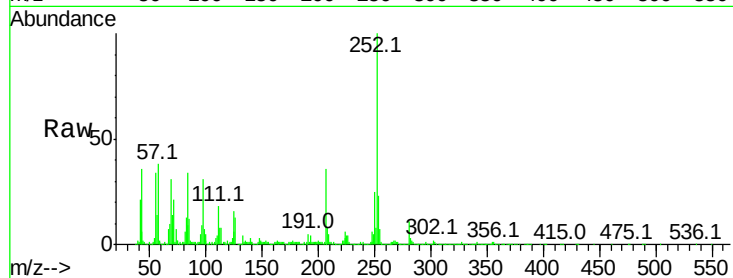
#85
Benzo(b)fluoranthene
Concen: 10.821 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BM012063.D
Acq: 11 Oct 2017 03:51

Instrument :
BNA_M
ClientSampled :
CB3M3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	16.1	3.6	5.4

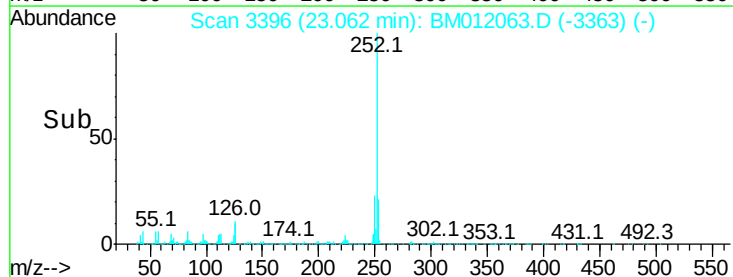
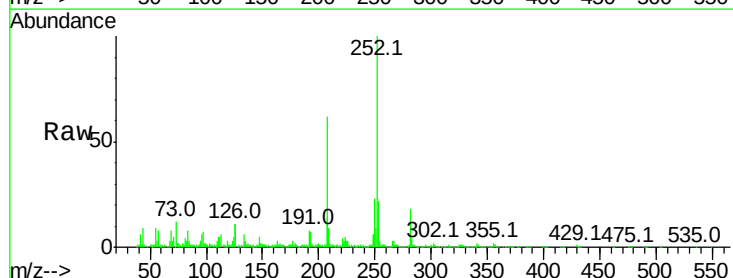
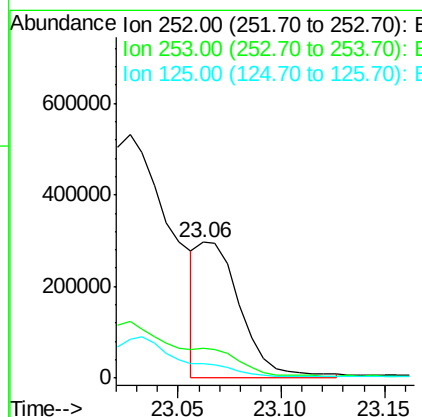
Manual Integrations
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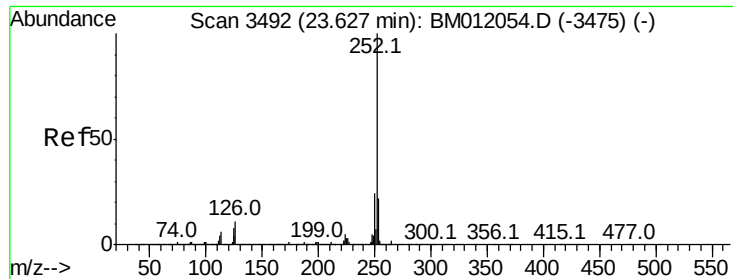
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#86
Benzo(k)fluoranthene
Concen: 3.590 ng/ul m
RT: 23.06 min Scan# 3396
Delta R.T. -0.01 min
Lab File: BM012063.D
Acq: 11 Oct 2017 03:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	10.5	3.4	5.2





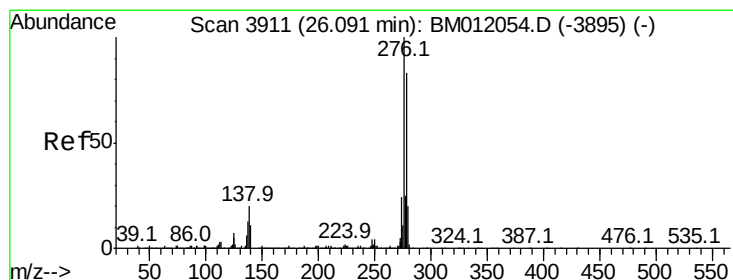
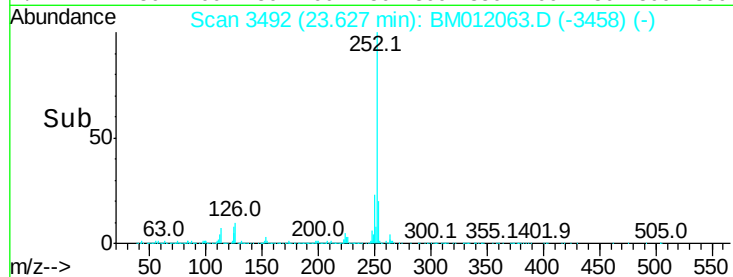
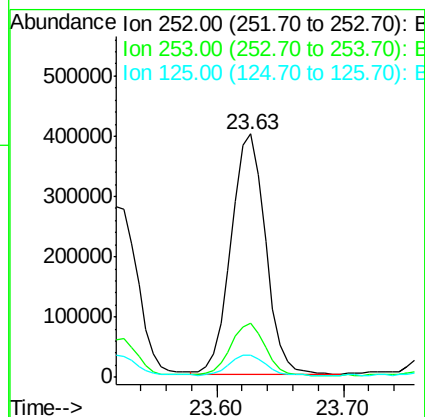
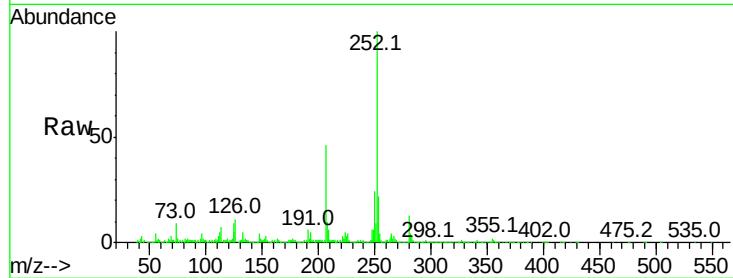
#88
Benzo(a)pyrene
Concen: 6.673 ng/ul
RT: 23.63 min Scan# 3492
Delta R.T. -0.00 min
Lab File: BM012063.D
Acq: 11 Oct 2017 03:51

Instrument :
BNA_M
ClientSampleId :
CB3M3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	18.2	27.2
125	9.2	4.0	6.0#

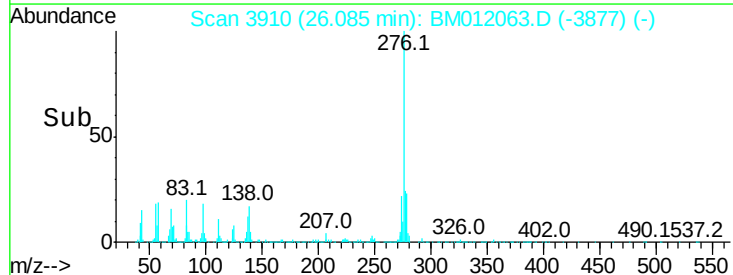
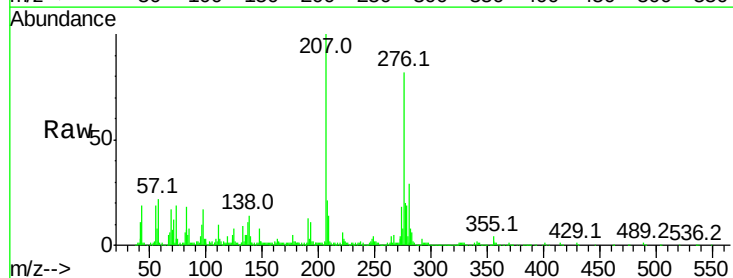
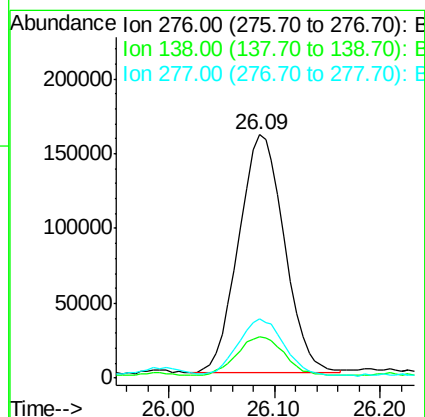
Manual Integrations
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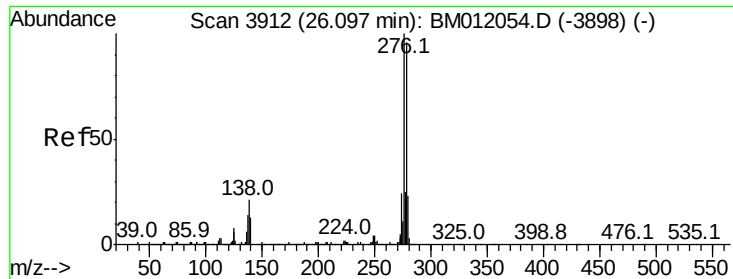
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#89
Indeno(1,2,3-cd)pyrene
Concen: 3.976 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM012063.D
Acq: 11 Oct 2017 03:51

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	17.1	9.3	13.9#
277	24.3	19.9	29.9





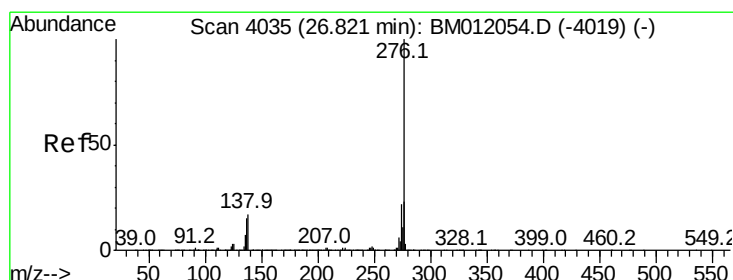
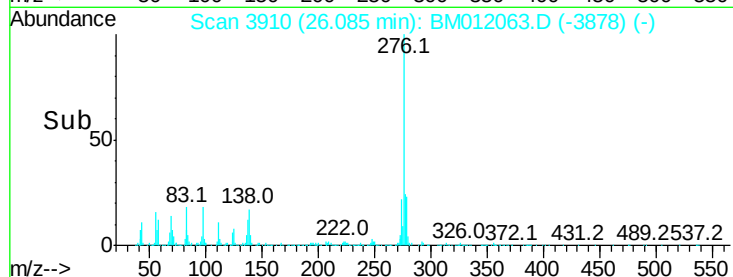
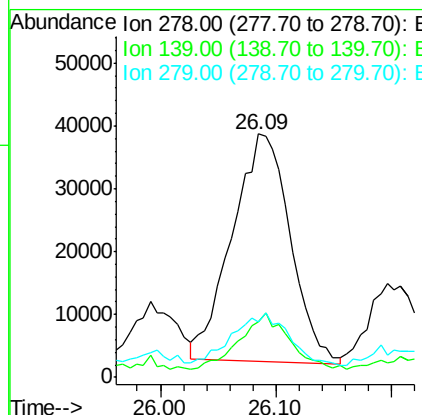
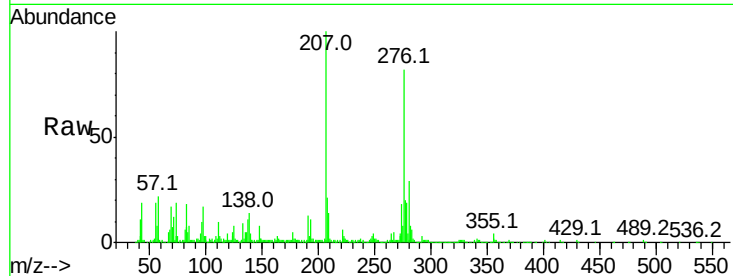
#90
Dibenzo(a,h)anthracene
Concen: 1.279 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM012063.D
Acq: 11 Oct 2017 03:51

Instrument :
BNA_M
ClientSampleId :
CB3M3

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.9	5.8	8.8#
279	23.0	18.6	27.8

Manual Integrations
APPROVED

Sohil
10/11/2017 7:29:42 PM



#91
Benzo(g,h,i)perylene
Concen: 3.848 ng/ul
RT: 26.82 min Scan# 4035
Delta R.T. -0.00 min
Lab File: BM012063.D
Acq: 11 Oct 2017 03:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	8.5	12.7#
277	25.3	18.6	28.0

