

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121517\
 Data File : BM013466.D
 Acq On : 16 Dec 2017 07:37
 Operator : SJ/JU
 Sample : I6776-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A42

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:09:52 PM

Quant Time: Dec 18 10:46:35 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 16 00:23:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	298467	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1309725	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	747514	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1651166	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1403774	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1117170	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	23094	3.83	ng/uL	0.00
5) Phenol-d5	6.85	99	617617	23.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	341923	23.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	477765	23.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	498294	22.59	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	258200	24.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	277837	24.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	518728	22.64	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	407264	19.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1624500	24.42	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	2023323	24.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	236807	20.49	ng/ul	0.00
57) Fluorene-d10	15.32	176	1360797	23.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	183535	17.67	ng/ul	0.00
70) Anthracene-d10	17.17	188	2067395	25.00	ng/ul	0.00
76) Pyrene-d10	19.46	212	2162715	30.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1454378	25.56	ng/ul	0.00
Target Compounds						
6) Phenol	6.88	94	119746	4.691	ng/ul#	85
44) Dimethylphthalate	13.78	163	330514	5.195	ng/ul	99
47) Acenaphthylene	14.04	152	355438	4.679	ng/ul	96
69) Phenanthrene	17.11	178	293117	3.125	ng/ul	97
71) Anthracene	17.20	178	551889	5.756	ng/ul	98
74) Fluoranthene	19.13	202	529739	4.608	ng/ul#	92
77) Pyrene	19.49	202	549124m	6.439	ng/ul	
80) Benzo(a)anthracene	21.24	228	270155	3.033	ng/ul	92
82) Chrysene	21.29	228	474054m	5.737	ng/ul	
85) Benzo(b)fluoranthene	22.81	252	798330	10.601	ng/ul#	96
86) Benzo(k)fluoranthene	22.86	252	220752m	3.115	ng/ul	
88) Benzo(a)pyrene	23.38	252	279288	4.128	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.71	276	416450	6.204	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.70	278	122666m	2.146	ng/ul	
91) Benzo(g,h,i)perylene	26.39	276	331628	6.263	ng/ul#	96

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

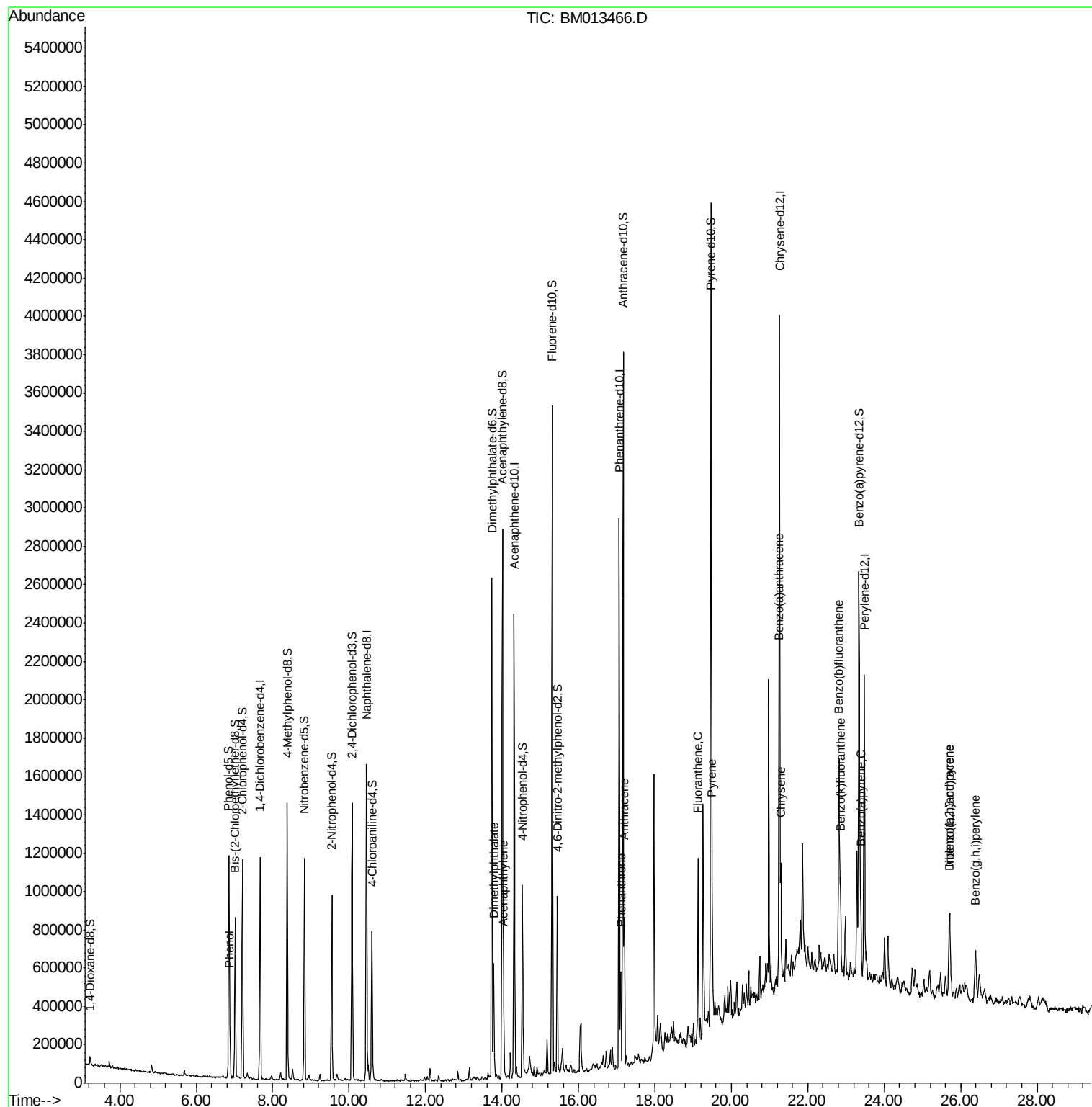
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121517\
Data File : BM013466.D
Acq On : 16 Dec 2017 07:37
Operator : SJ/JU
Sample : I6776-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

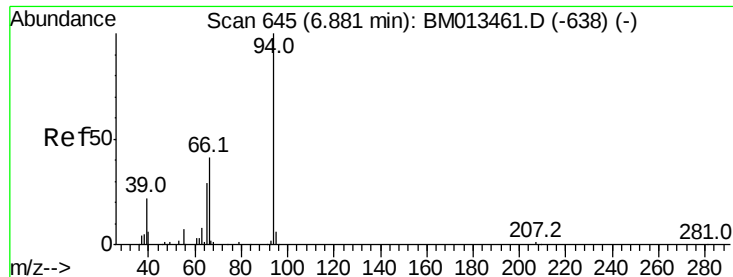
Instrument :
BNA_M
ClientSampleId :
F9A42

Manual Integrations
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Quant Time: Dec 18 10:46:35 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration





#6

Phenol

Concen: 4.691 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

Instrument :

BNA_M

ClientSampled :

F9A42

Tot Ion: 94 Resp: 119746

Ion Ratio Lower Upper

94 100

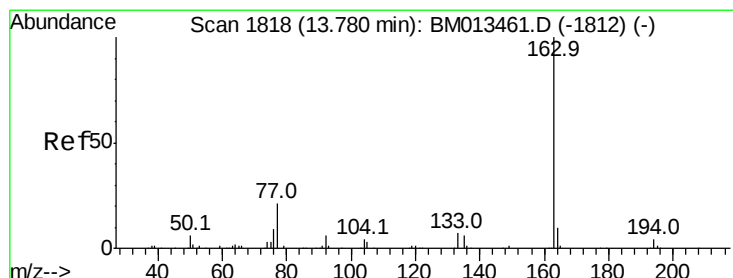
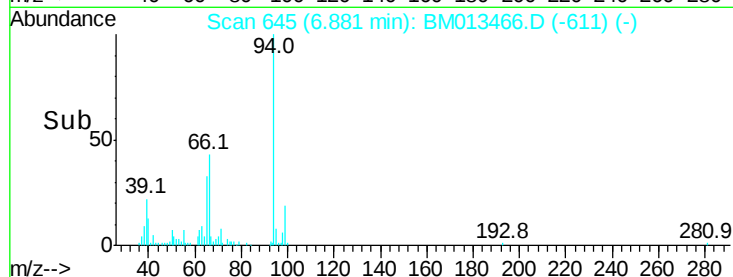
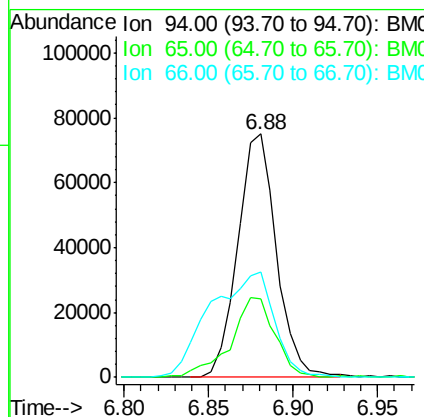
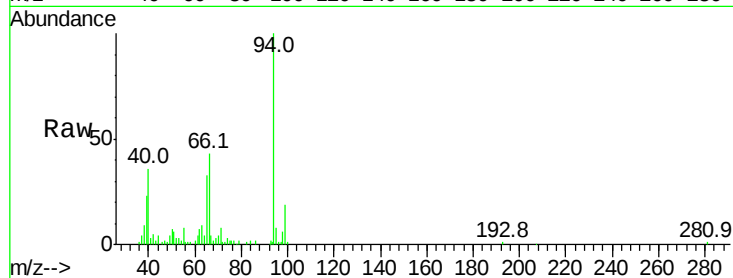
65 32.5 28.2 42.4

66 43.4 47.2 70.8#

Manual Integrations
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#44

Dimethylphthalate

Concen: 5.195 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

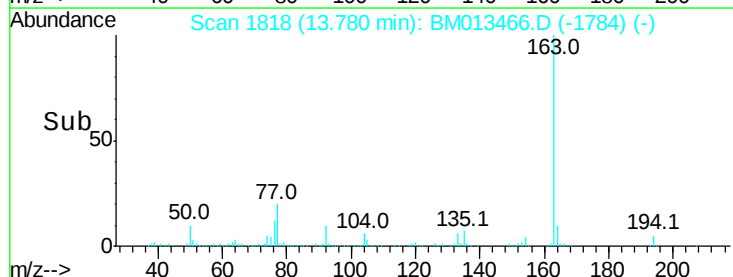
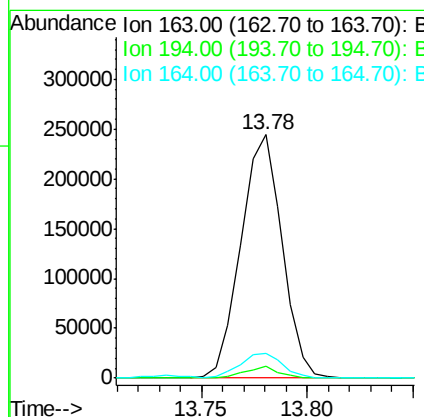
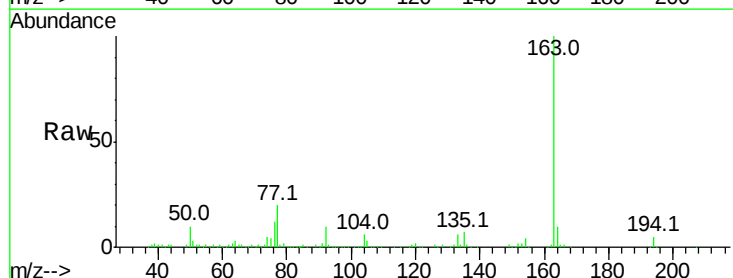
Tgt Ion: 163 Resp: 330514

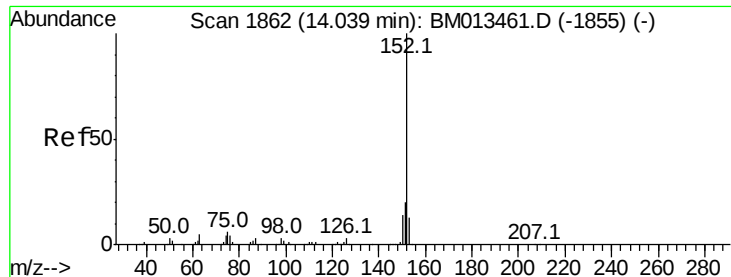
Ion Ratio Lower Upper

163 100

194 4.9 3.5 5.3

164 9.9 8.2 12.4





#47

Acenaphthylene

Concen: 4.679 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

Instrument :

BNA_M

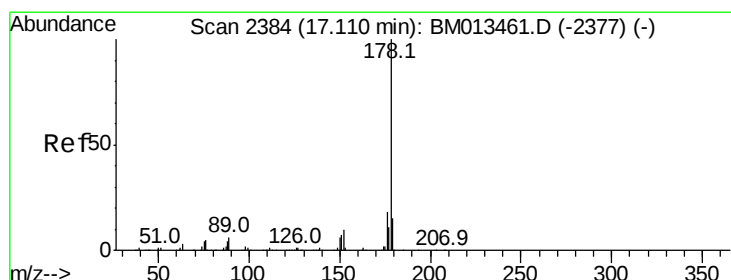
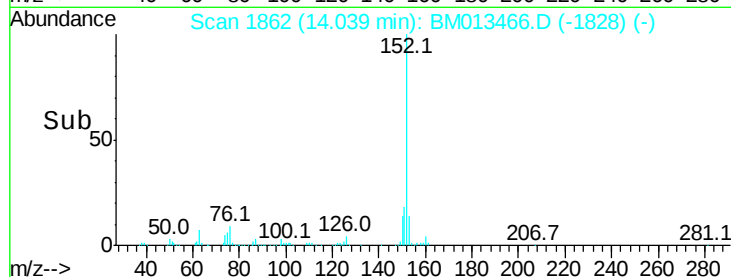
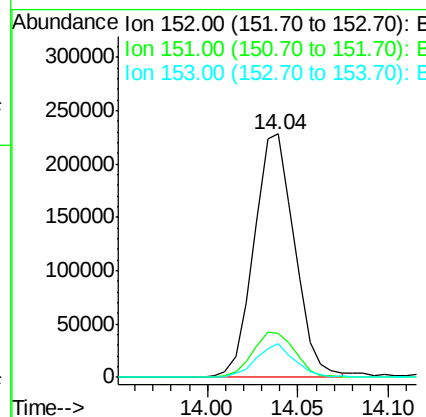
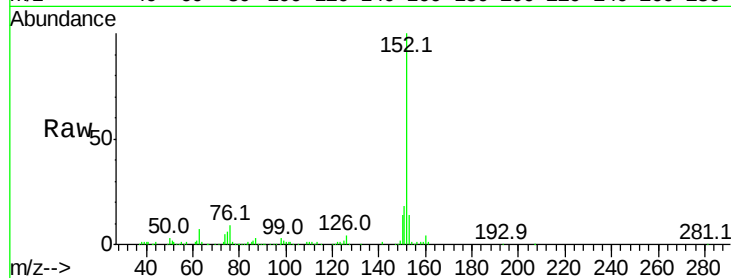
ClientSampleId :

F9A42

Tot Ion:	152	Resp:	355438
Ion Ratio	Lower	Upper	
152	100		
151	18.0	16.3	24.5
153	13.6	10.2	15.4

Manual Integrations
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#69

Phenanthrene

Concen: 3.125 ng/ul

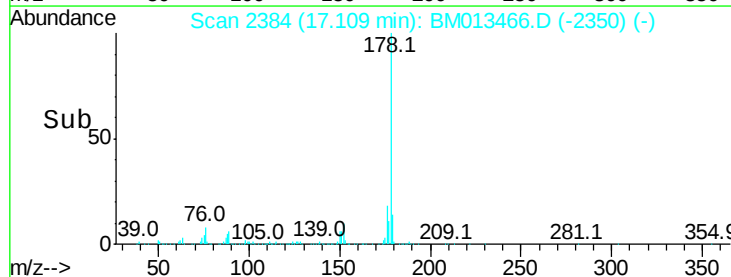
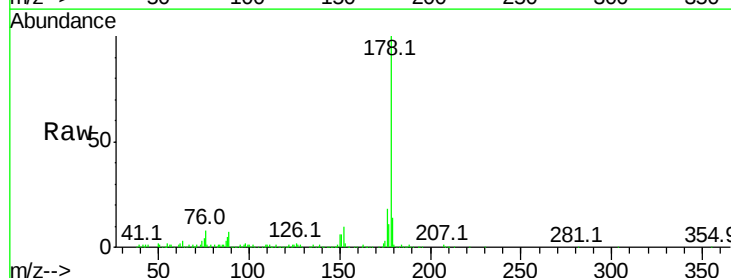
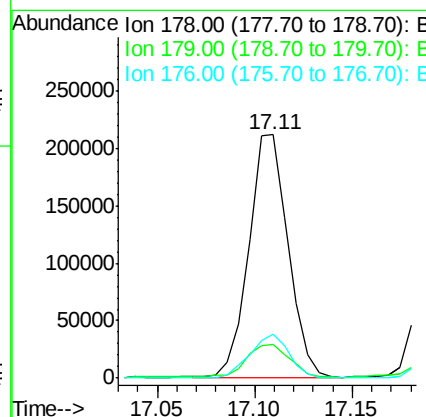
RT: 17.11 min Scan# 2384

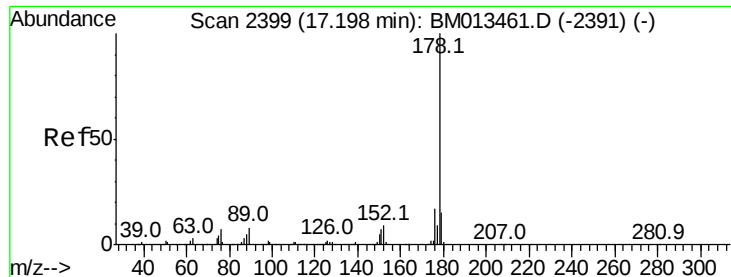
Delta R.T. -0.00 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

Tgt Ion:	178	Resp:	293117
Ion Ratio	Lower	Upper	
178	100		
179	13.9	12.6	19.0
176	18.2	14.9	22.3





#71

Anthracene

Concen: 5.756 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

Instrument :

BNA_M

ClientSampleId :

F9A42

Tot Ion:178 Resp: 551889

Ion Ratio Lower Upper

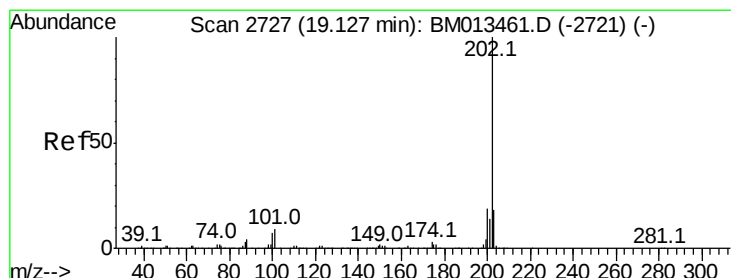
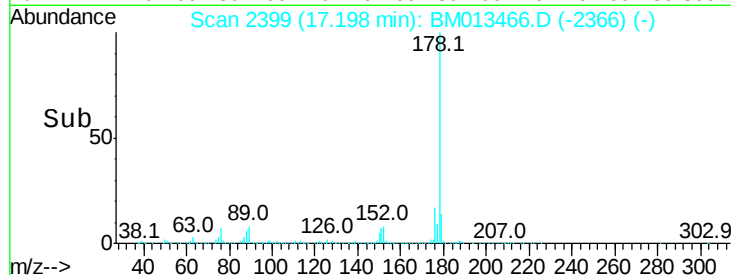
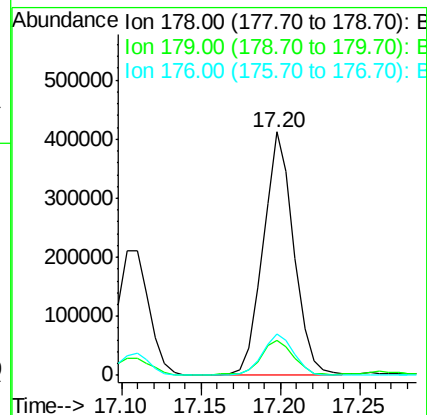
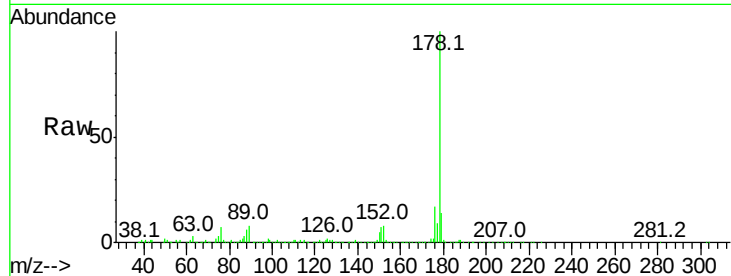
178 100

179 14.1 11.7 17.5

176 16.9 14.6 21.8

Manual Integrations
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#74

Fluoranthene

Concen: 4.608 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

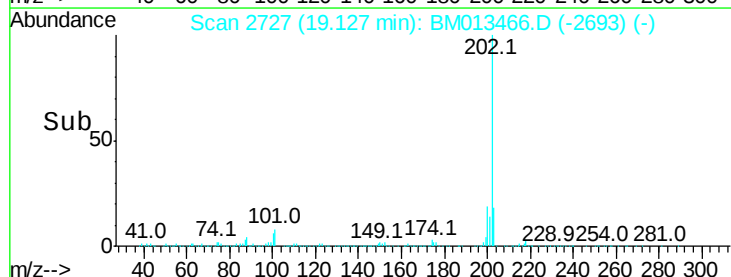
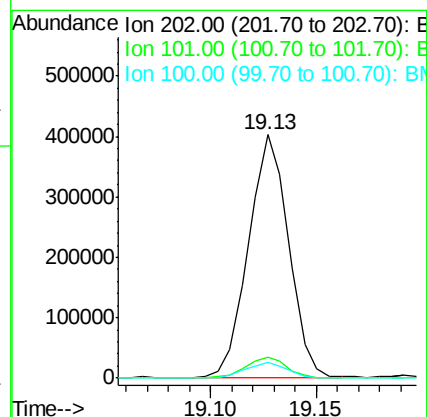
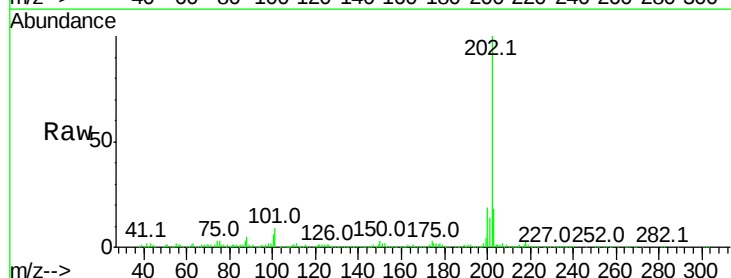
Tgt Ion:202 Resp: 529739

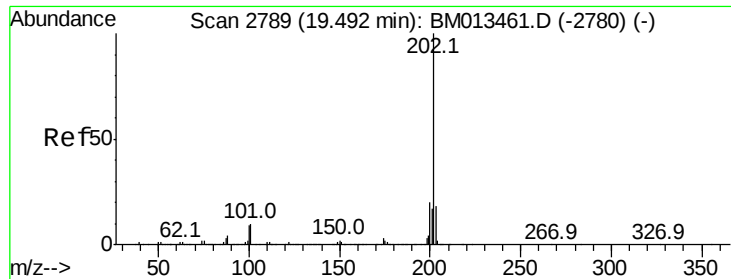
Ion Ratio Lower Upper

202 100

101 8.8 4.6 7.0#

100 6.3 3.4 5.2#





#77

Pvrene

Concen: 6.439 ng/ul m

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

Instrument :

BNA_M

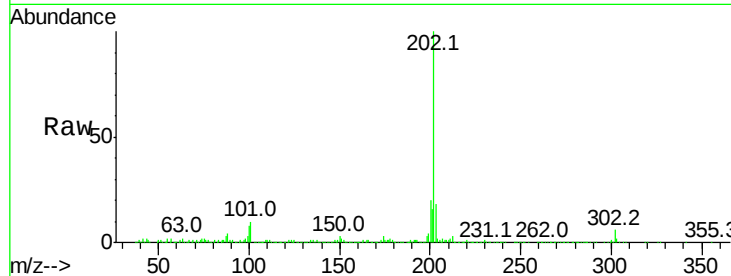
ClientSampled :

F9A42

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	5.1	7.7#
100	7.8	4.9	7.3#

Manual Integrations
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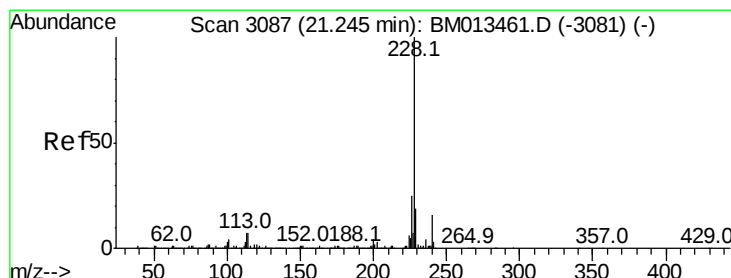
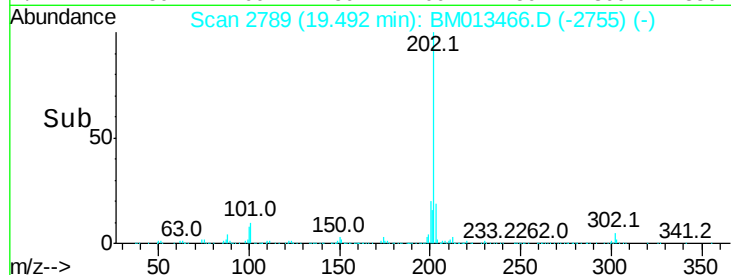
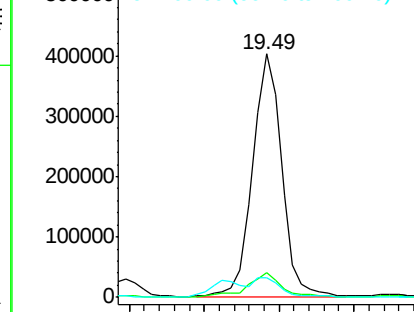
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 3.033 ng/ul

RT: 21.24 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM013466.D

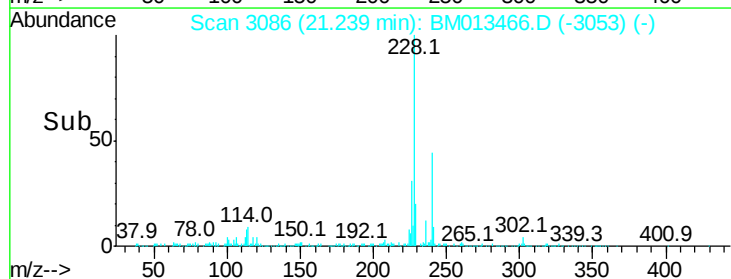
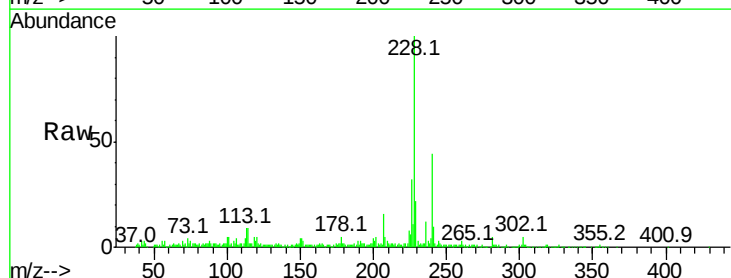
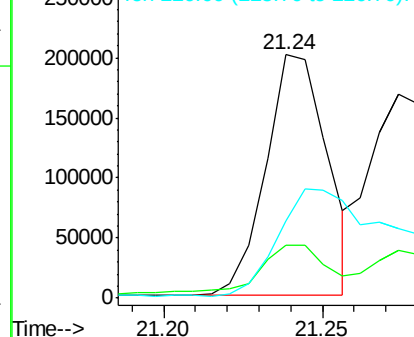
Acq: 16 Dec 2017 07:37

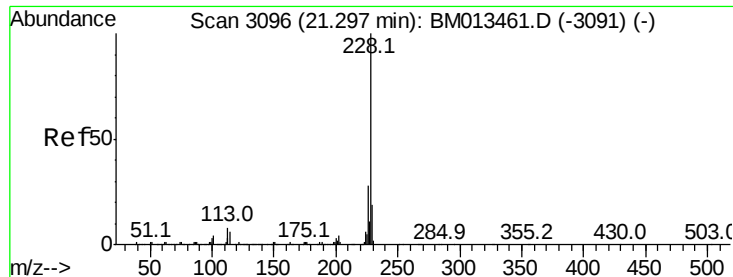
Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.9	15.4	23.0
226	31.6	21.4	32.0

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: 5.737 ng/ul m

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

Instrument :

BNA_M

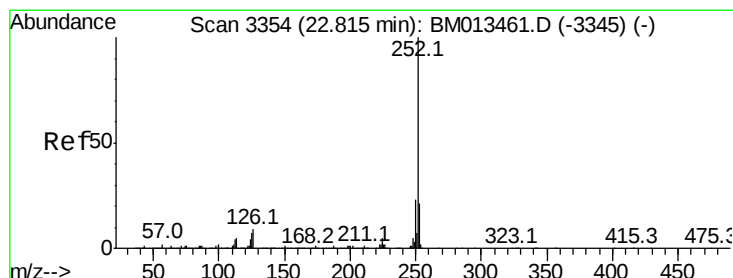
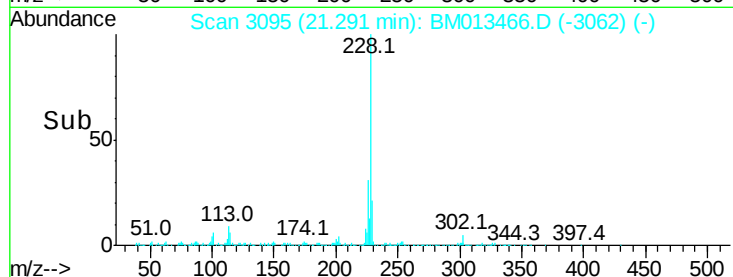
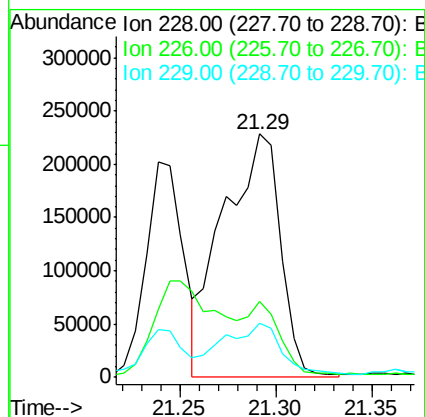
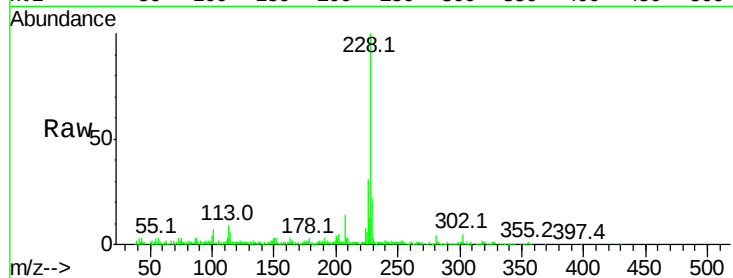
ClientSampleId :

F9A42

Tot Ion:	228	Resp:	474054
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.4	35.2
229	22.0	15.5	23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 10.601 ng/ul

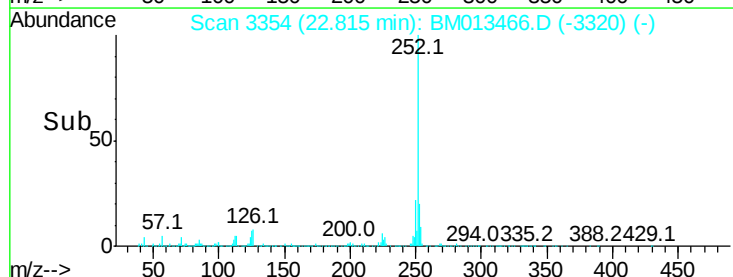
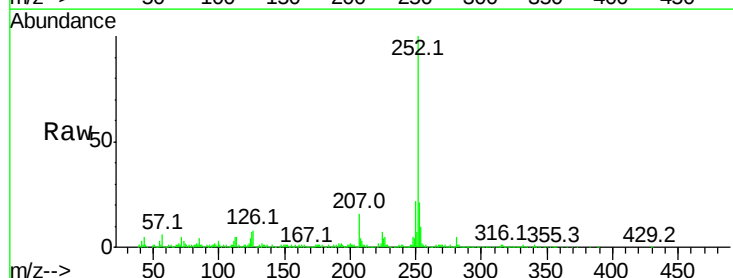
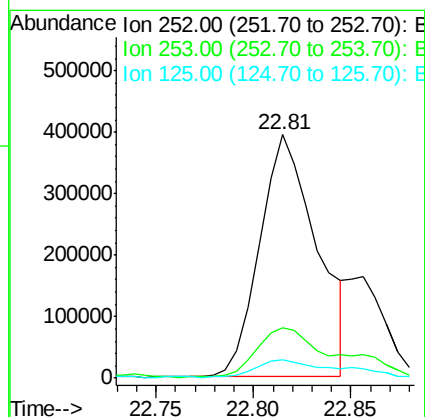
RT: 22.81 min Scan# 3354

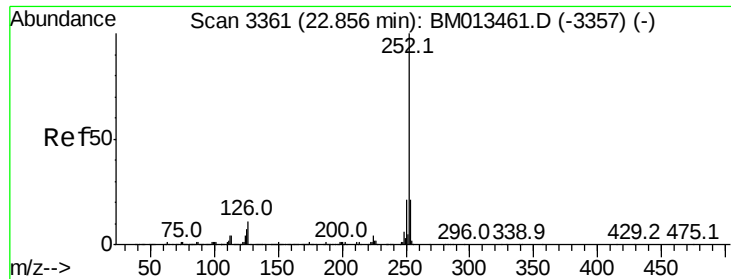
Delta R.T. -0.00 min

Lab File: BM013466.D

Acq: 16 Dec 2017 07:37

Tgt Ion:	252	Resp:	798330
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.9	26.9
125	7.5	3.6	5.4#





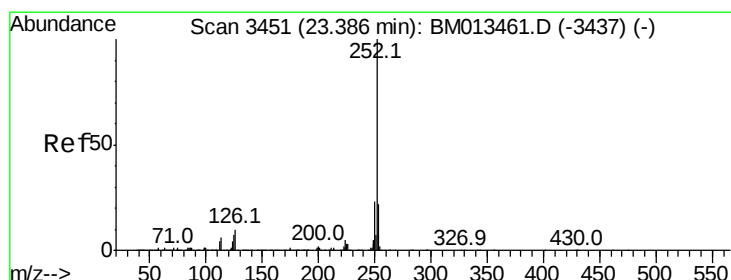
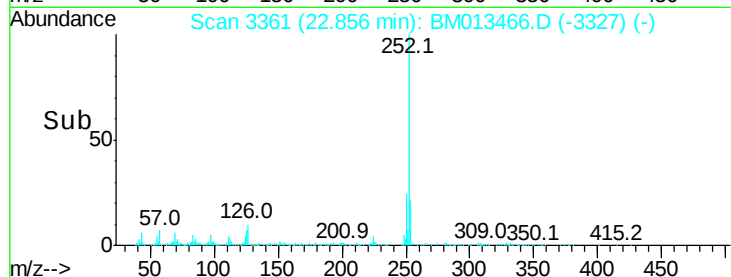
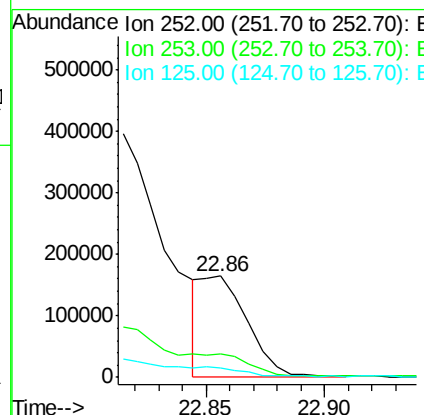
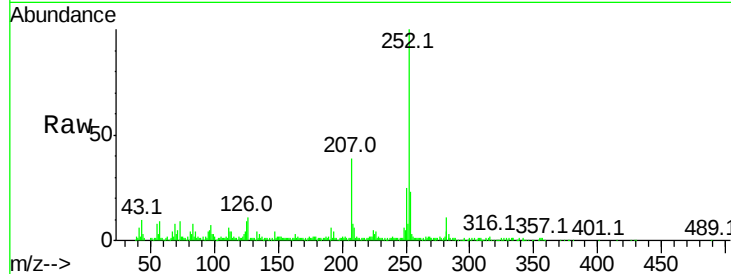
#86
Benzo(k)fluoranthene
Concen: 3.115 ng/ul m
RT: 22.86 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BM013466.D
Acq: 16 Dec 2017 07:37

Instrument :
BNA_M
ClientSampled :
F9A42

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	8.8	3.4	5.2

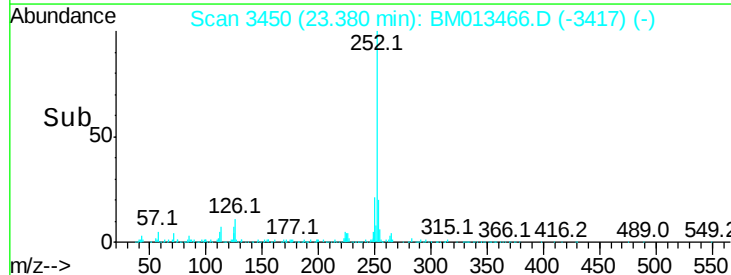
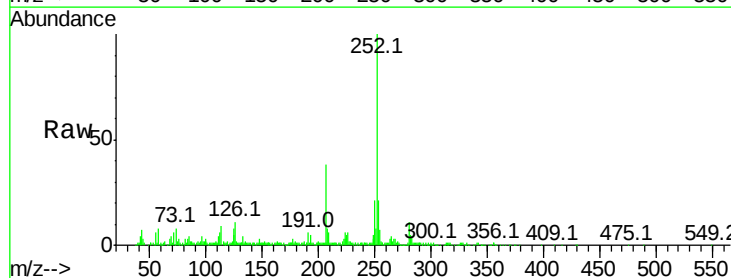
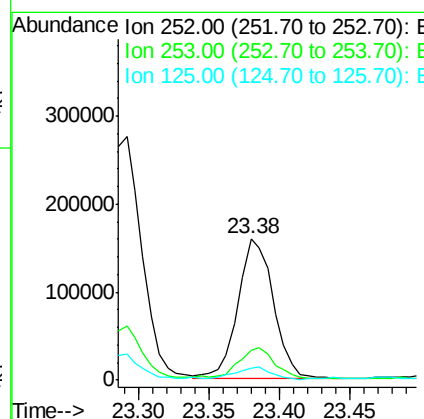
Manual Integrations
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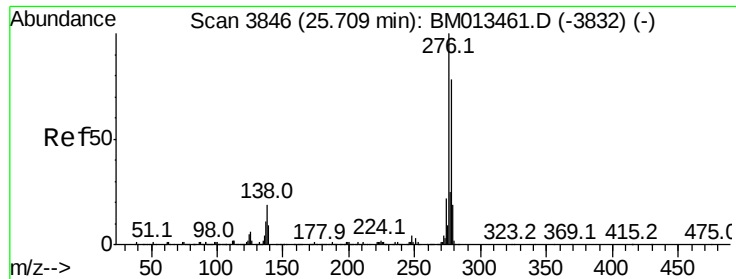
Sohil
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#88
Benzo(a)pyrene
Concen: 4.128 ng/ul
RT: 23.38 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM013466.D
Acq: 16 Dec 2017 07:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2
125	8.4	4.0	6.0





#89

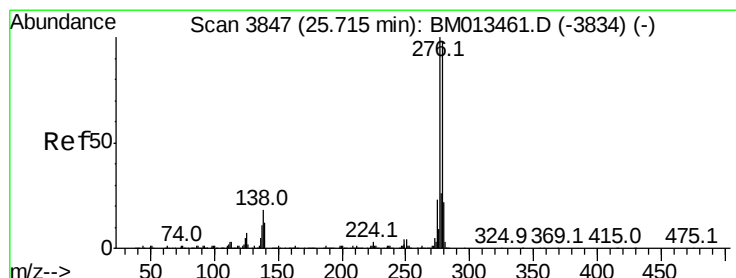
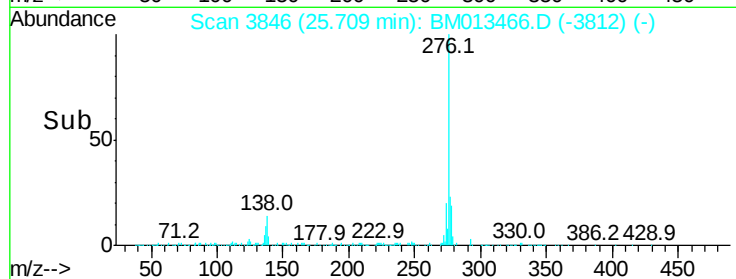
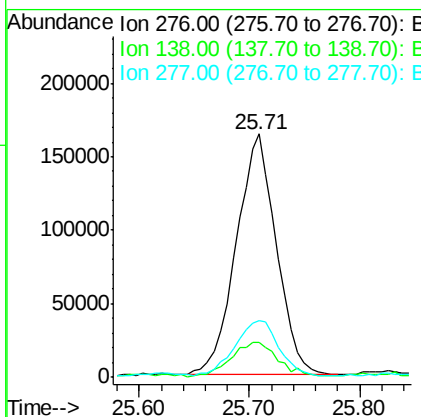
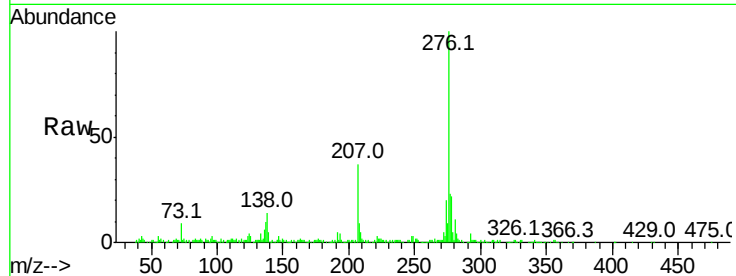
Indeno(1,2,3-cd)pyrene
Concen: 6.204 ng/ul
RT: 25.71 min Scan# 3846
Delta R.T. -0.00 min
Lab File: BM013466.D
Acq: 16 Dec 2017 07:37

Instrument :
BNA_M
ClientSampleId :
F9A42

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	9.3	13.9#
277	23.2	19.9	29.9

Manual Integrations
APPROVED

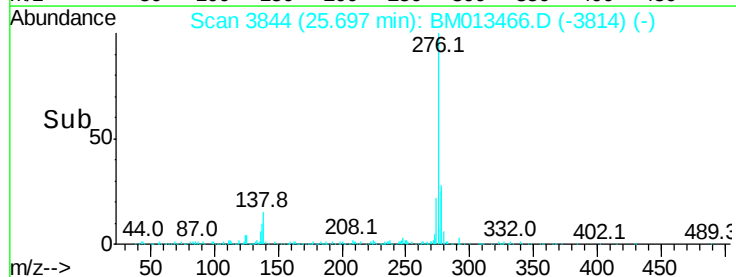
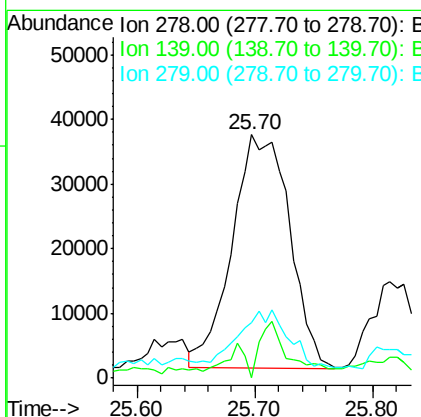
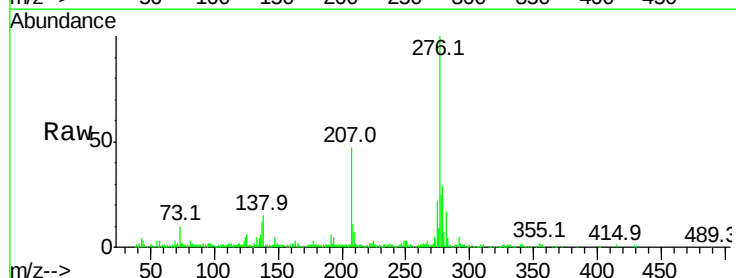
Sohil
12/18/2017 2:09:52 PM

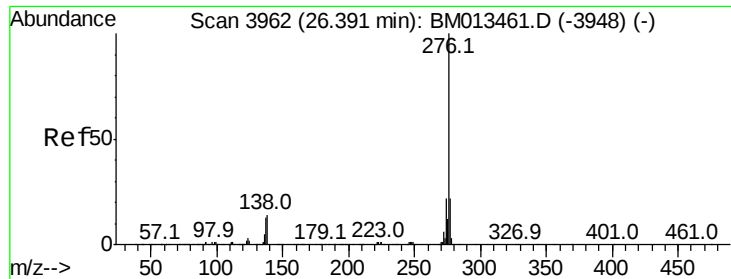


#90

Dibenzo(a,h)anthracene
Concen: 2.146 ng/ul m
RT: 25.70 min Scan# 3844
Delta R.T. -0.02 min
Lab File: BM013466.D
Acq: 16 Dec 2017 07:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	23.0	18.6	27.8





#91
 Benzo(a,h,i)perylene
 Concen: 6.263 ng/ul
 RT: 26.39 min Scan# 3961
 Delta R.T. -0.01 min
 Lab File: BM013466.D
 Acq: 16 Dec 2017 07:37

Instrument :
 BNA_M
 ClientSampleId :
 F9A42

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	8.5	12.7#
277	23.1	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:09:52 PM

