

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121517\
 Data File : BM013470.D
 Acq On : 16 Dec 2017 09:59
 Operator : SJ/JU
 Sample : I6776-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A57

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:10:07 PM

Quant Time: Dec 25 00:55:12 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	245718	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1052956	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	607358	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1354381	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1257295	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1041996	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	13451	2.71	ng/uL	0.00
5) Phenol-d5	6.85	99	457996	21.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	255798	21.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	362786	21.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	391834	21.57	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	186092	22.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	212505	23.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	419208	22.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	390861	23.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1487614	27.52	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1785969	26.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	288862	30.76	ng/ul	0.00
57) Fluorene-d10	15.32	176	1315527	28.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	159072	18.67	ng/ul	0.00
70) Anthracene-d10	17.17	188	2323290	34.25	ng/ul	0.00
76) Pyrene-d10	19.47	212	2636823	42.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	1897400	35.75	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.88	94	44277	2.107	ng/ul	91
28) Naphthalene	10.50	128	76283	1.408	ng/ul	97
44) Dimethylphthalate	13.78	163	135300	2.617	ng/ul	100
47) Acenaphthylene	14.04	152	702586	11.383	ng/ul	99
49) Acenaphthene	14.38	153	74582	1.774	ng/ul	95
53) Dibenzofuran	14.72	168	90782	1.463	ng/ul	98
58) Fluorene	15.37	166	69116	1.346	ng/ul	95
68) Pentachlorophenol	16.72	266	188226	18.535	ng/ul	97
69) Phenanthrene	17.11	178	1274319	16.561	ng/ul	99
71) Anthracene	17.20	178	1162256	14.777	ng/ul	97
72) Carbazole	17.47	167	311323	4.602	ng/ul	99
74) Fluoranthene	19.13	202	4673728	49.566	ng/ul#	92
77) Pyrene	19.50	202	4717505	61.760	ng/ul#	92
80) Benzo(a)anthracene	21.25	228	2144004m	26.877	ng/ul	
82) Chrysene	21.30	228	2454501	33.165	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	4735759	67.420	ng/ul#	97
86) Benzo(k)fluoranthene	22.86	252	1252914m	18.954	ng/ul	
88) Benzo(a)pyrene	23.40	252	2129846	33.754	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.72	276	2093382	33.436	ng/ul#	95
90) Dibenz(a,h)anthracene	25.72	278	537830	10.089	ng/ul#	89
91) Benzo(a,h,i)perylene	26.41	276	2327782	47.136	ng/ul#	96

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QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

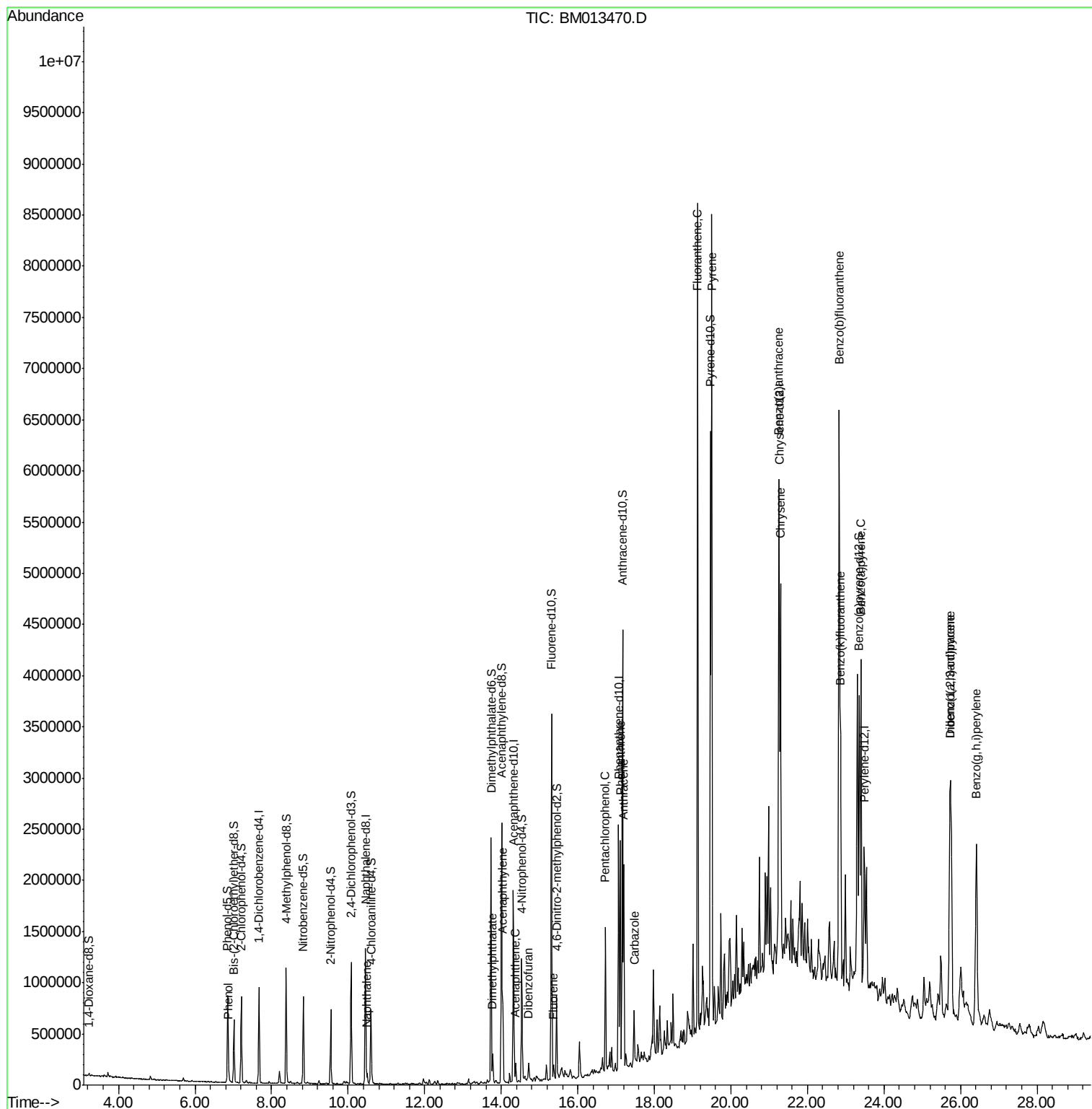
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121517\
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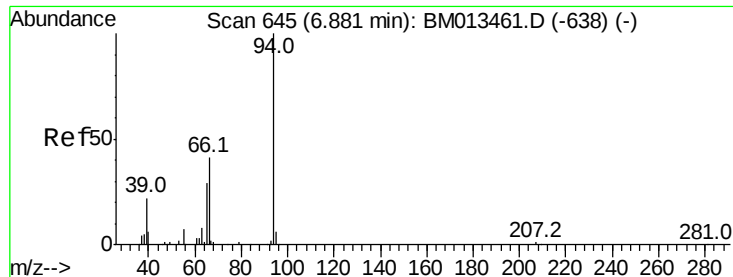
Instrument :
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Manual Integrations
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#6

Phenol

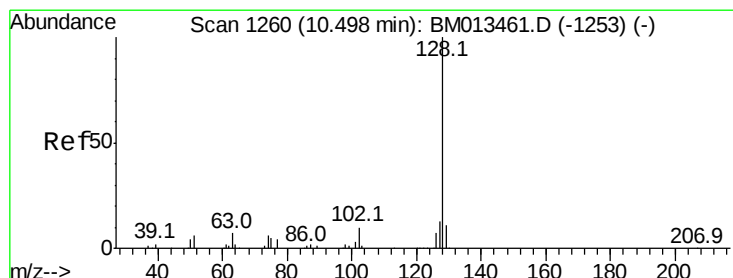
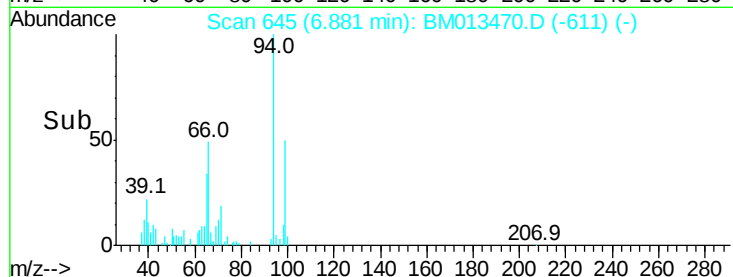
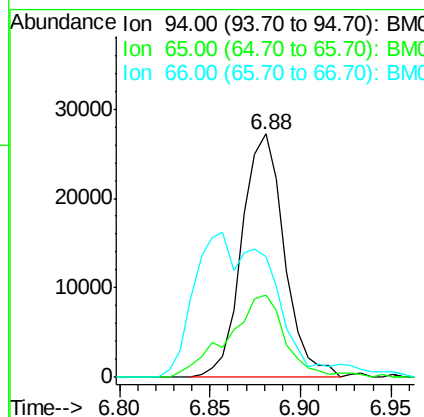
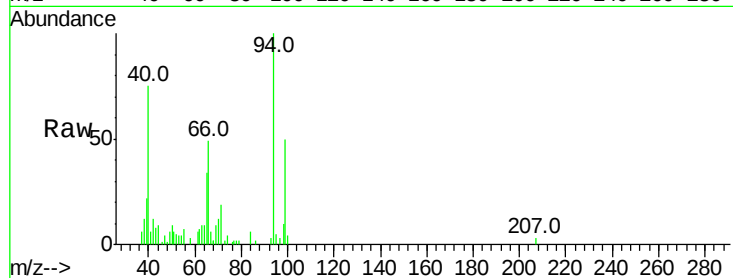
Concen: 2.107 ng/ul
 RT: 6.88 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: BM013470.D
 Acq: 16 Dec 2017 09:59

Instrument :
 BNA_M
 ClientSampled :
 F9A57

Tot Ion	Ratio	Lower	Upper
94	100		
65	33.9	28.2	42.4
66	49.5	47.2	70.8

Manual Integrations
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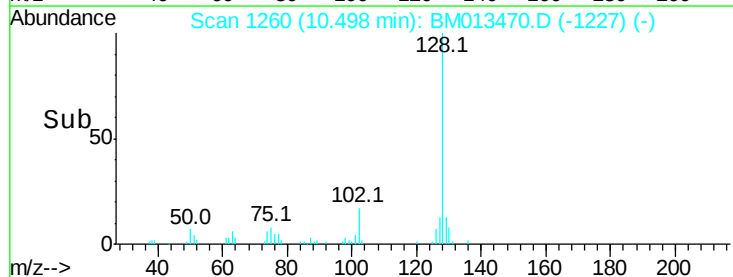
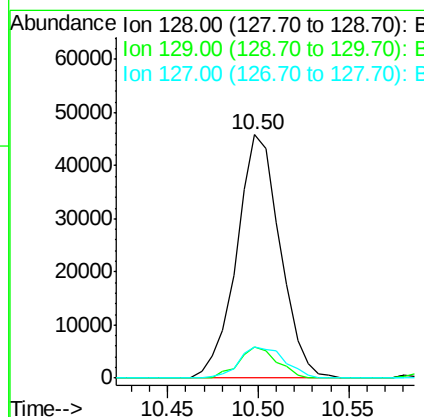
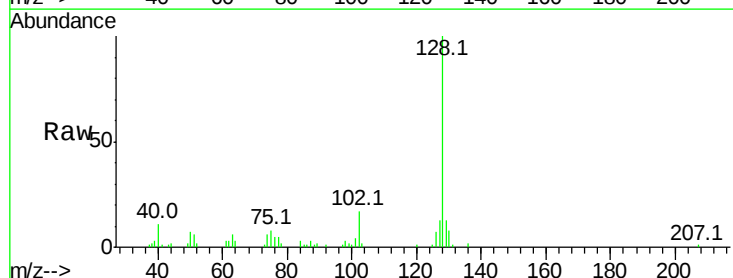


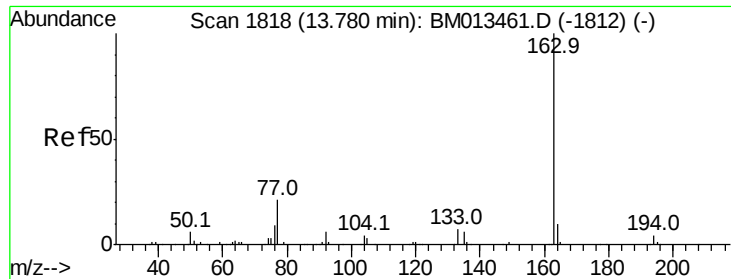
#28

Naphthalene

Concen: 1.408 ng/ul
 RT: 10.50 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BM013470.D
 Acq: 16 Dec 2017 09:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.8	13.2
127	12.7	10.6	16.0





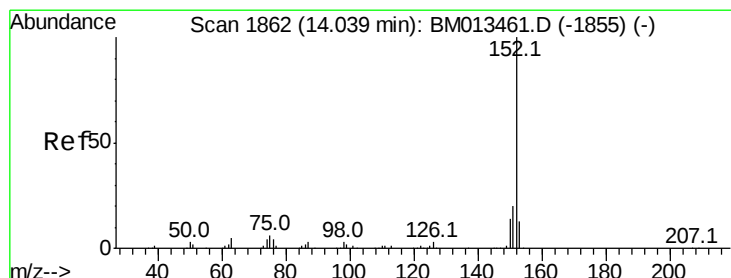
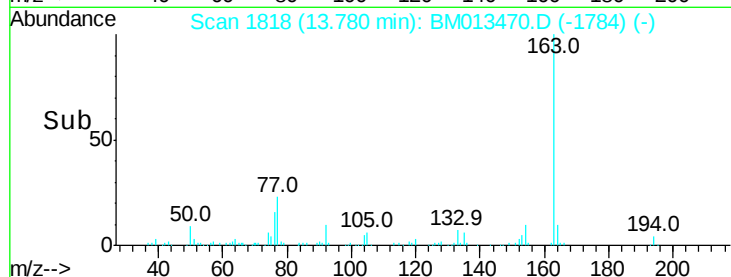
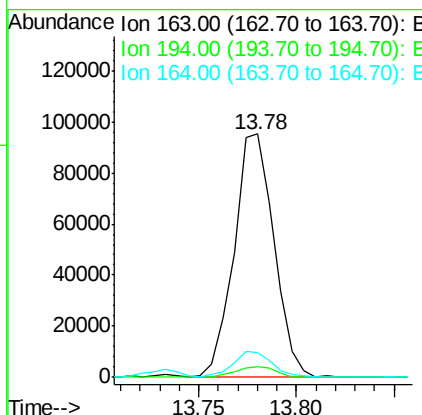
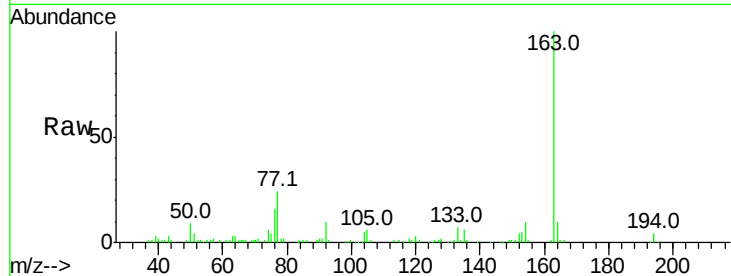
#44
Dimethylphthalate
Concen: 2.617 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Instrument :
BNA_M
ClientSampleId :
F9A57

Tot Ion	Ratio	Resp	Lower	Upper
163	100	135300		
194	4.4	3.5	5.3	
164	10.0	8.2	12.4	

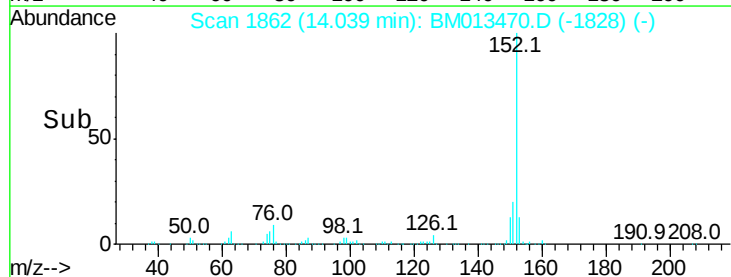
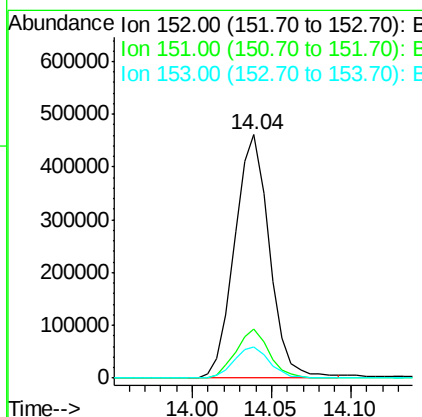
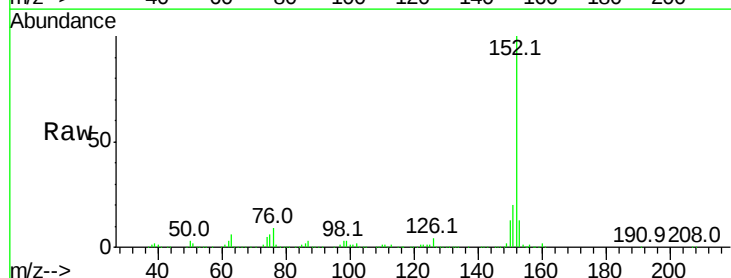
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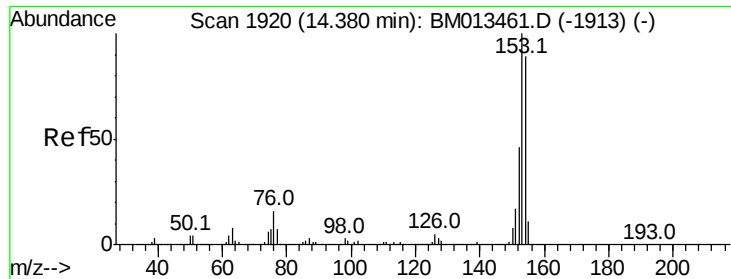
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#47
Acenaphthylene
Concen: 11.383 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	702586		
151	20.0	16.3	24.5	
153	12.9	10.2	15.4	





#49

Acenaphthene

Concen: 1.774 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

Tot Ion:153 Resp: 74582

Ion Ratio Lower Upper

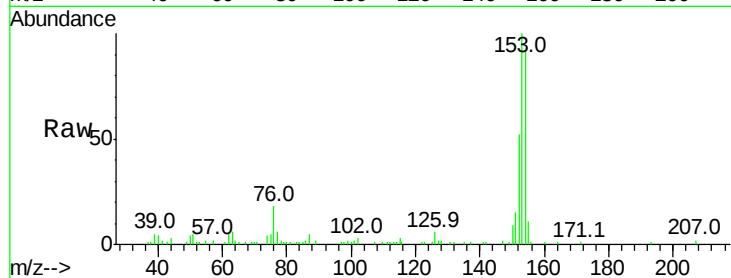
153 100

152 51.7 37.6 56.4

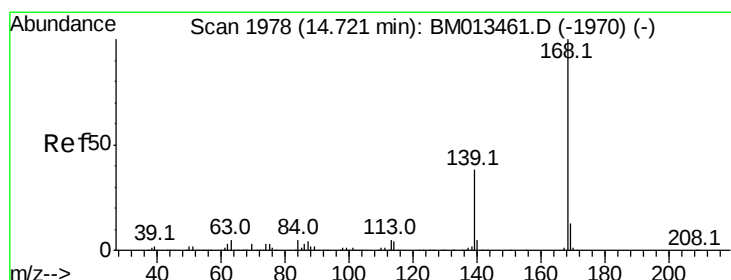
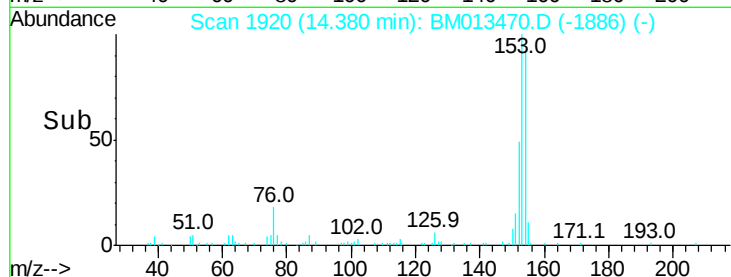
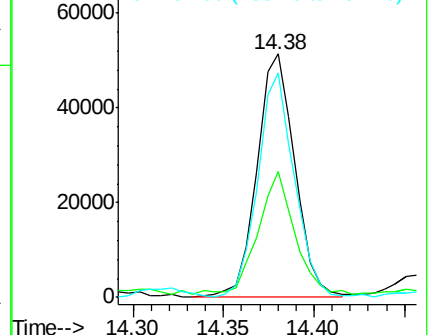
154 92.3 70.4 105.6

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.463 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM013470.D

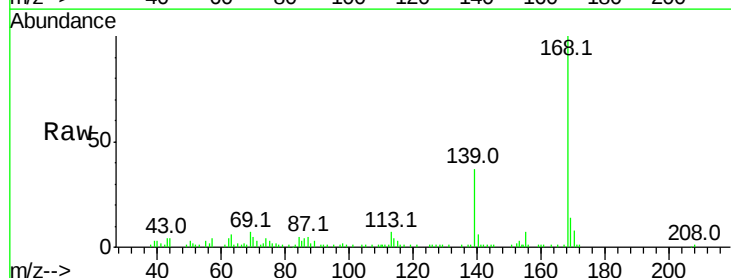
Acq: 16 Dec 2017 09:59

Tgt Ion:168 Resp: 90782

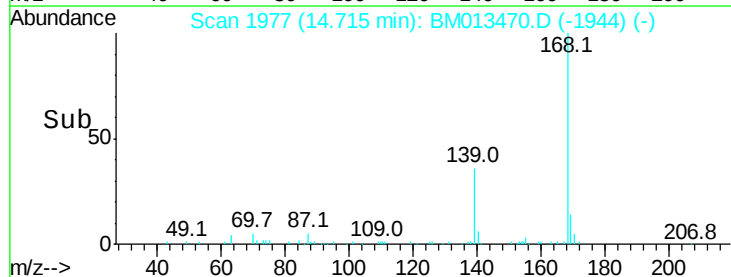
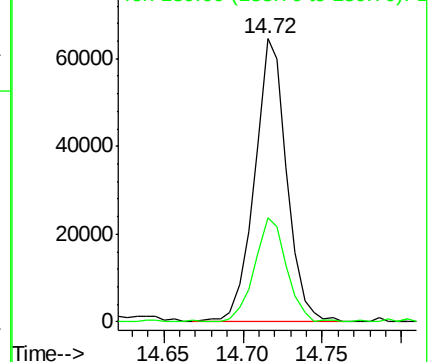
Ion Ratio Lower Upper

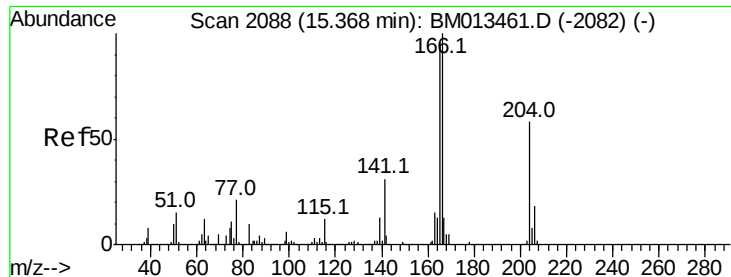
168 100

139 37.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





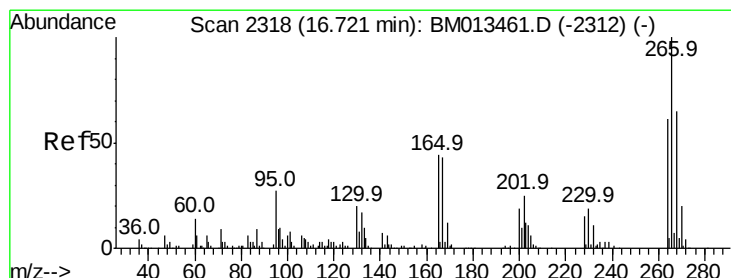
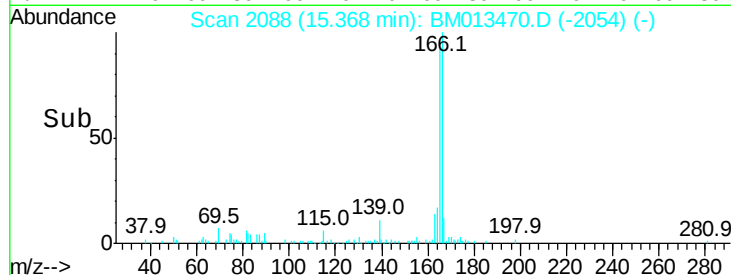
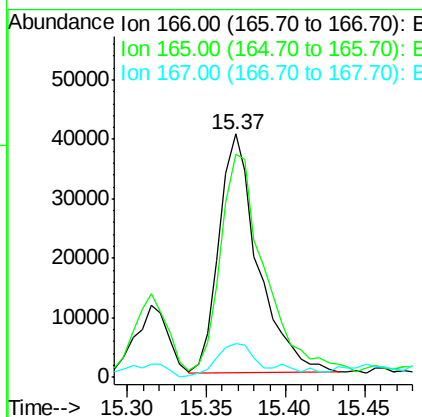
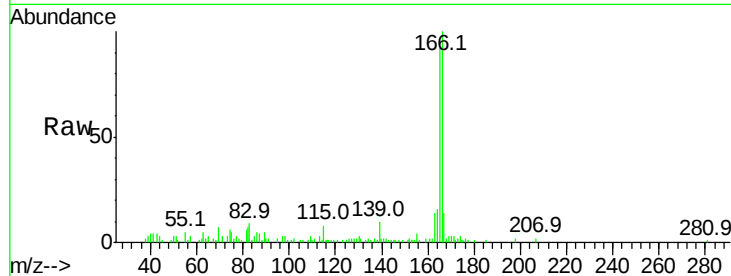
#58
Fluorene
 Concen: 1.346 ng/ul
 RT: 15.37 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: BM013470.D
 Acq: 16 Dec 2017 09:59

Instrument :
 BNA_M
 ClientSampled :
 F9A57

Tot Ion	Ratio	Resp	Lower	Upper
166	100	69116		
165	91.6	77.9	116.9	
167	13.7	10.6	16.0	

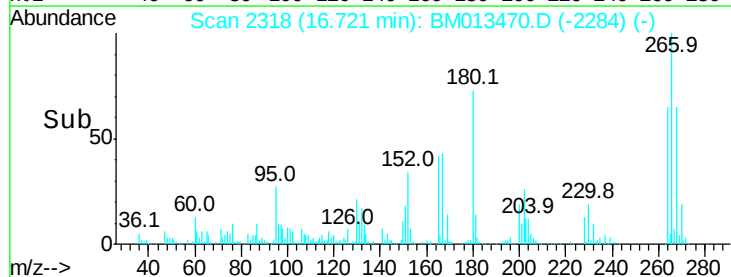
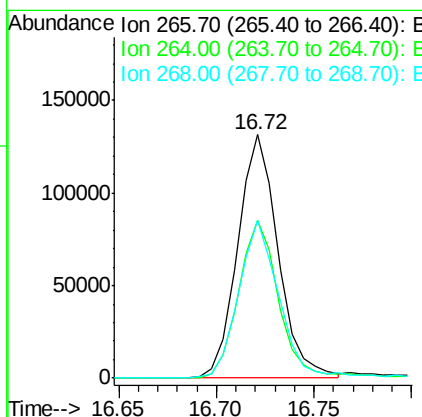
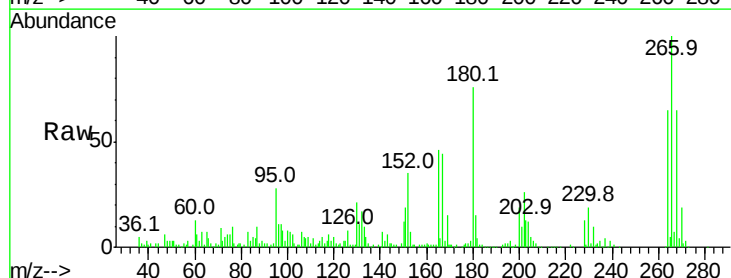
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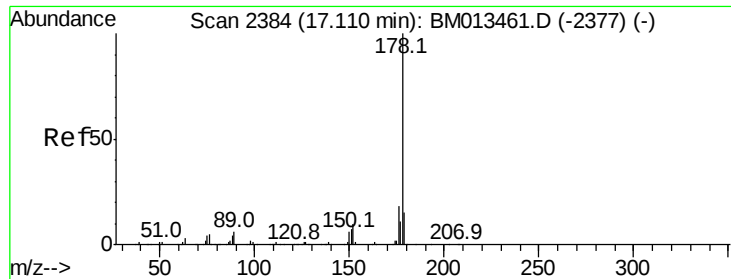
Sohil
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#68
Pentachlorophenol
 Concen: 18.535 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BM013470.D
 Acq: 16 Dec 2017 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	188226		
264	64.6	49.3	73.9	
268	64.6	52.6	78.8	





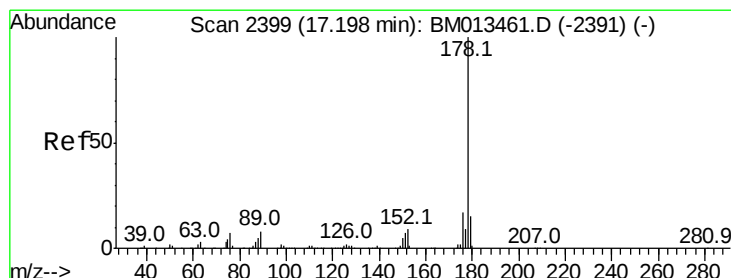
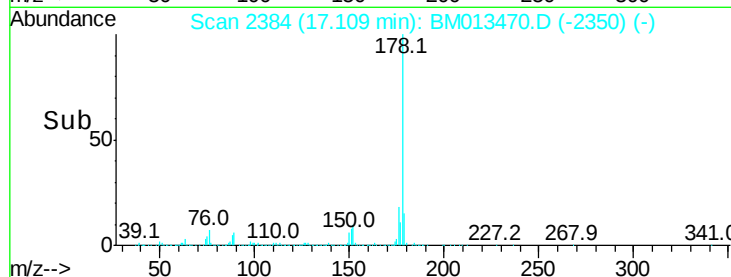
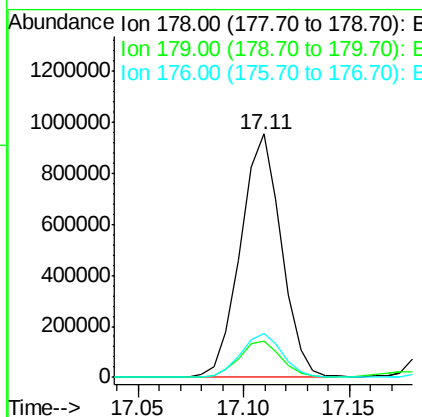
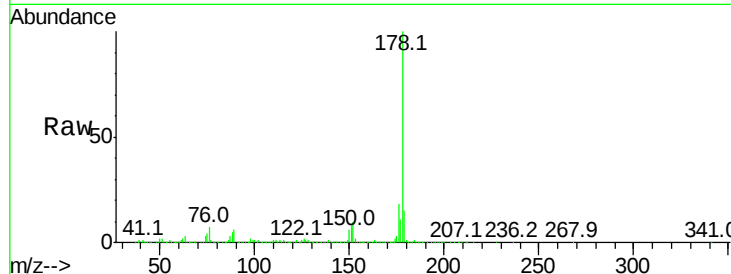
#69
Phenanthrene
Concen: 16.561 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. -0.00 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Instrument :
BNA_M
ClientSampleId :
F9A57

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	18.0	14.9	22.3

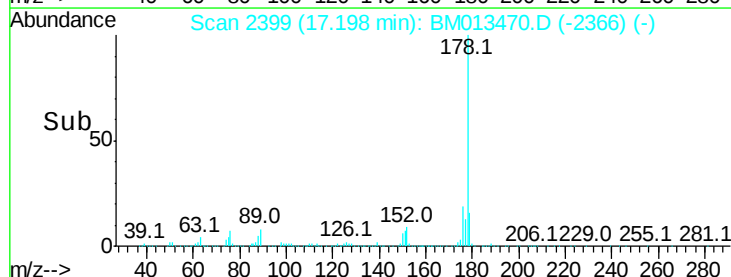
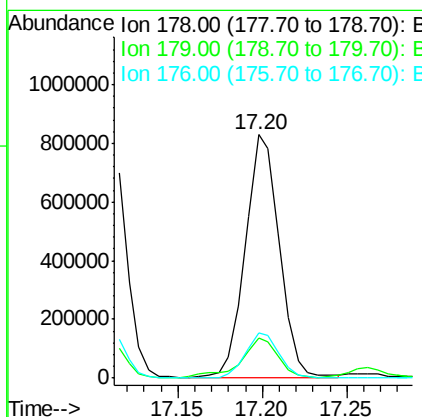
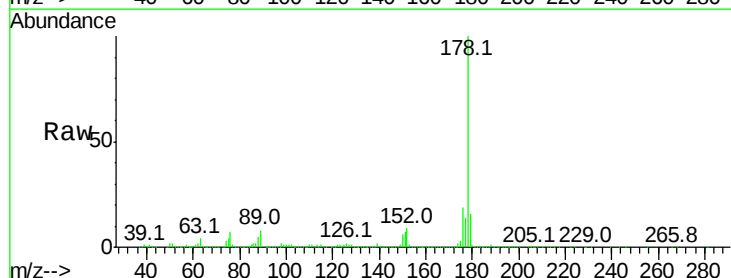
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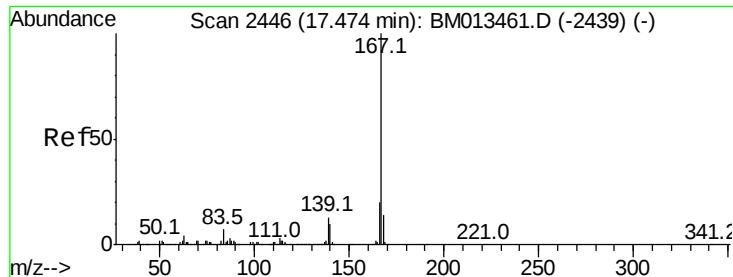
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#71
Anthracene
Concen: 14.777 ng/ul
RT: 17.20 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	11.7	17.5
176	18.8	14.6	21.8





#72

Carbazole

Concen: 4.602 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

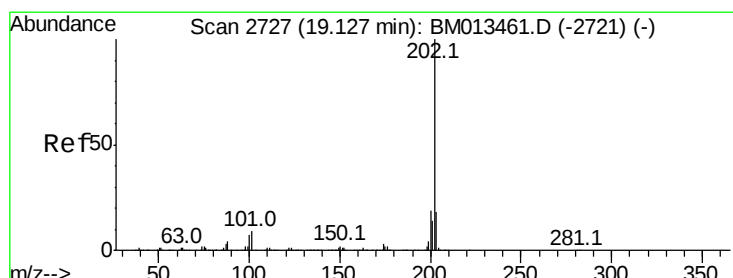
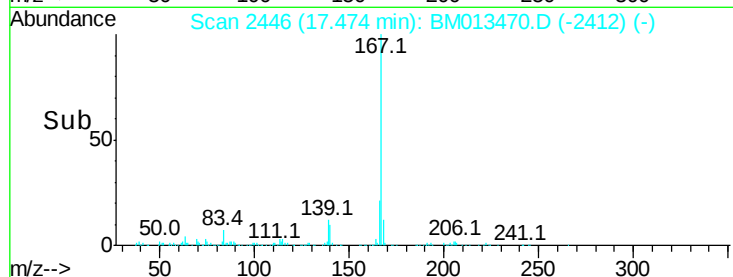
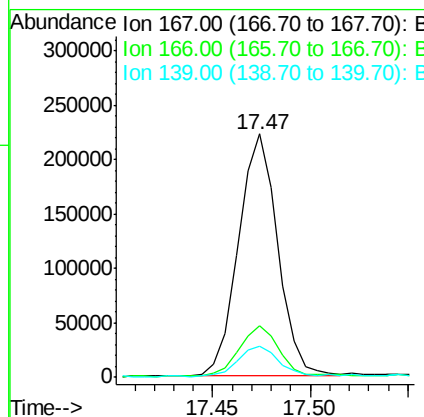
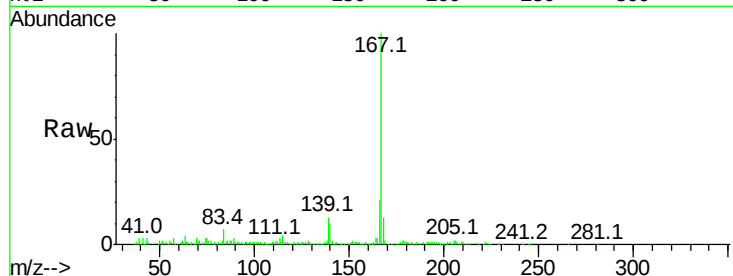
ClientSampleId :

F9A57

Tot Ion:	167	Resp:	311323
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.1	25.7
139	13.0	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 49.566 ng/ul

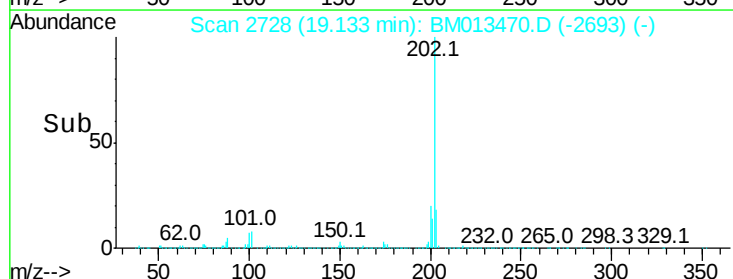
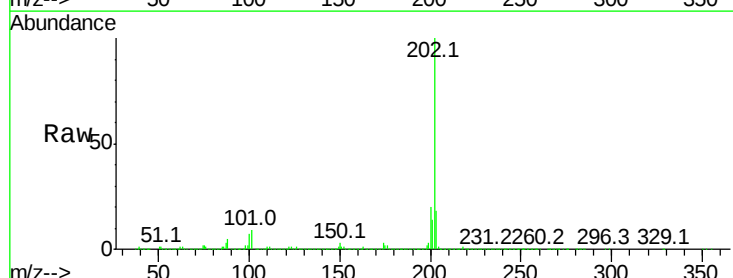
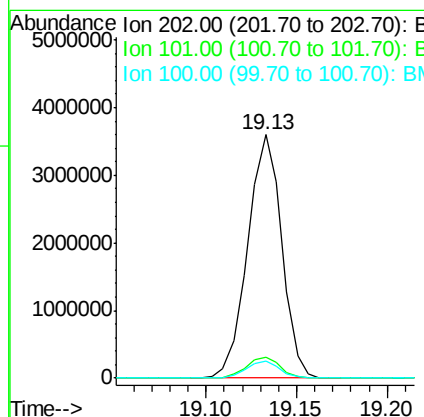
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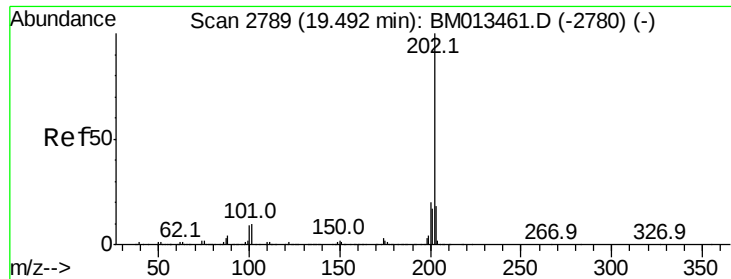
Delta R.T. 0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Tgt Ion:	202	Resp:	4673728
Ion Ratio	Lower	Upper	
202	100		
101	8.5	4.6	7.0#
100	6.8	3.4	5.2#





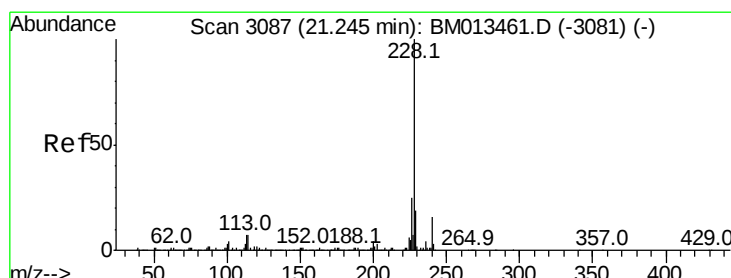
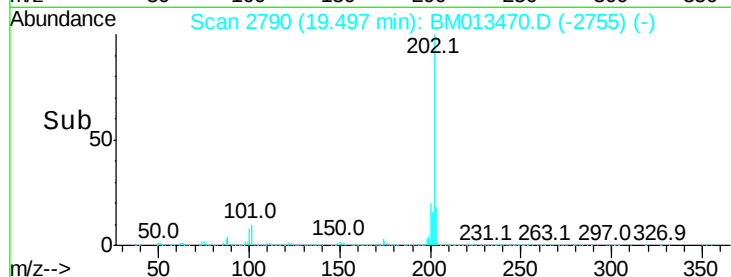
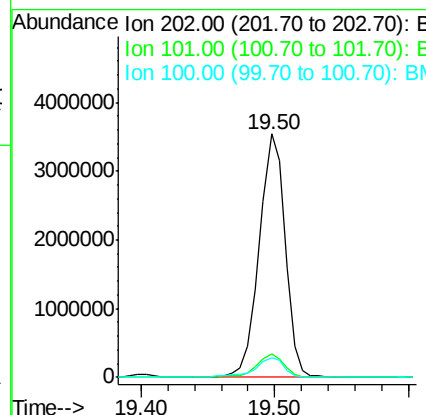
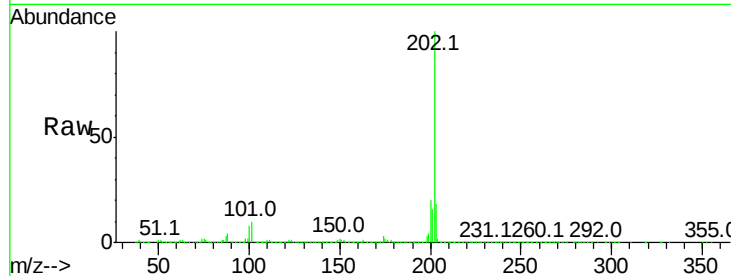
#77
Pvrene
Concen: 61.760 ng/ul
RT: 19.50 min Scan# 2790
Delta R.T. 0.01 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Instrument :
BNA_M
ClientSampleId :
F9A57

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	5.1	7.7#
100	8.2	4.9	7.3#

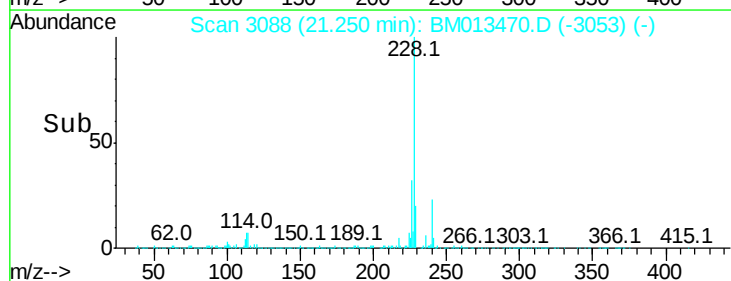
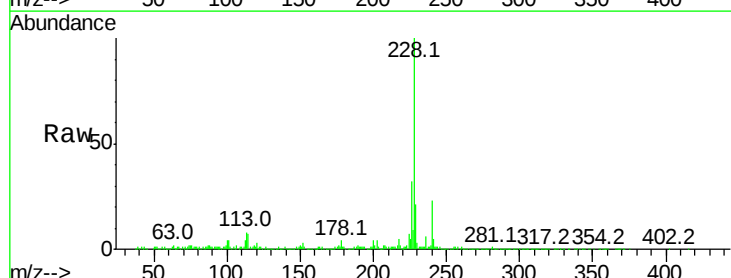
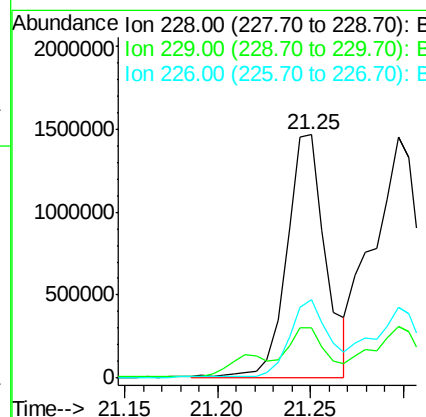
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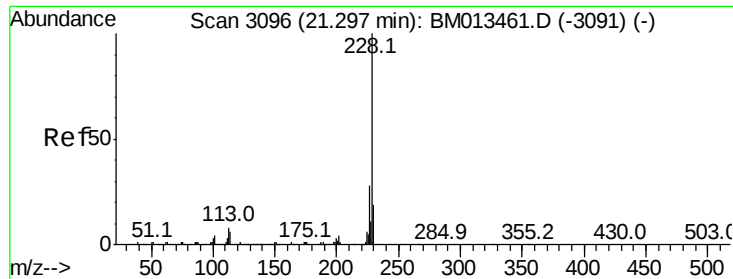
Sohil
12/18/2017 2:10:07 PM



#80
Benzo(a)anthracene
Concen: 26.877 ng/ul m
RT: 21.25 min Scan# 3088
Delta R.T. 0.01 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.4	23.0
226	32.3	21.4	32.0#





#82

Chrysene

Concen: 33.165 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

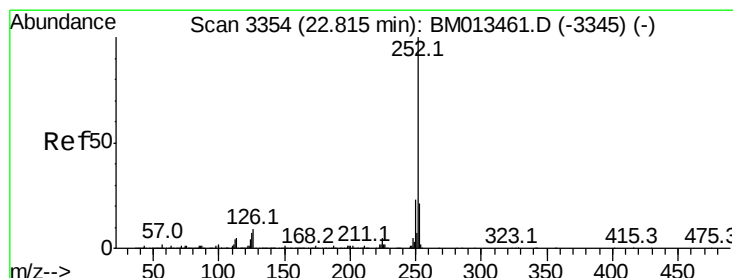
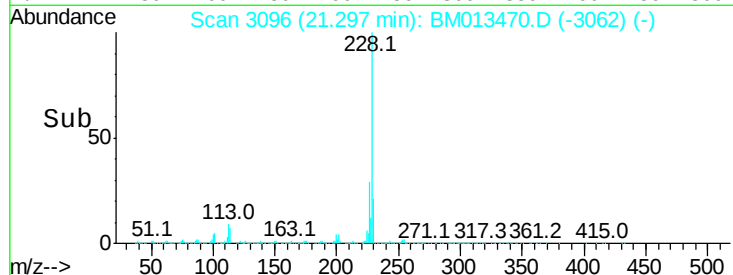
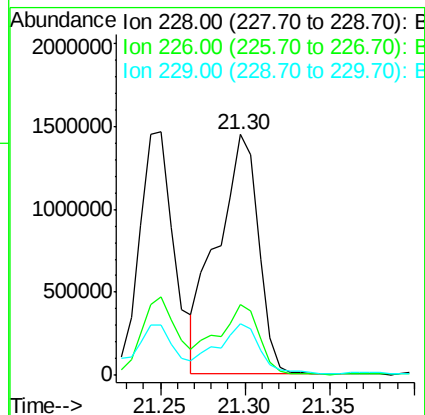
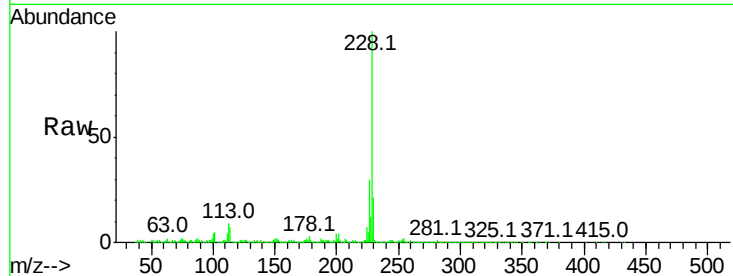
ClientSampled :

F9A57

Tot Ion:	228	Resp:	2454501
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.4	35.2
229	21.5	15.5	23.3

Manual Integrations
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Sohil
12/18/2017 2:10:07 PM



#85

Benzo(b)fluoranthene

Concen: 67.420 ng/ul

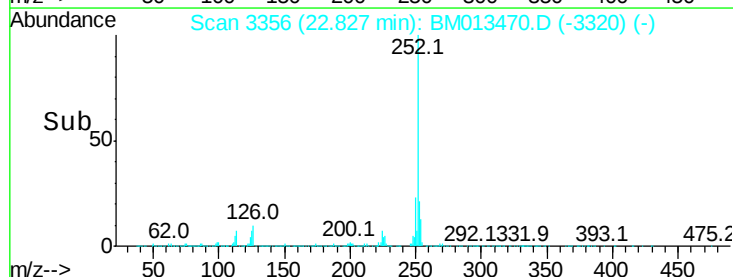
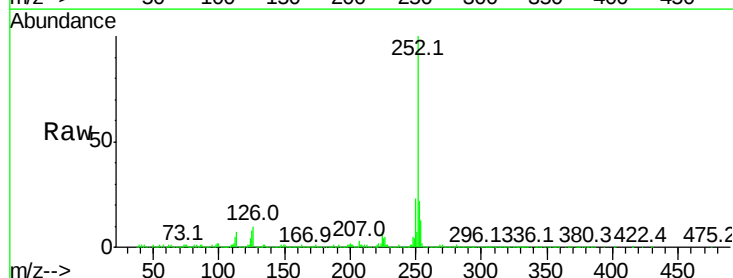
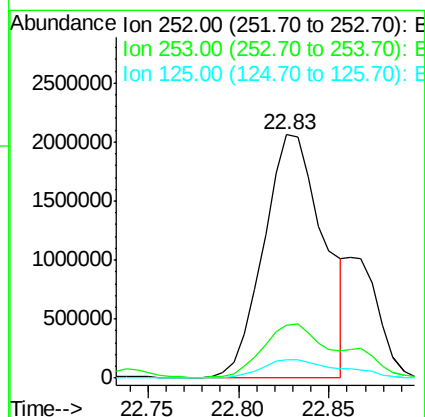
RT: 22.83 min Scan# 3356

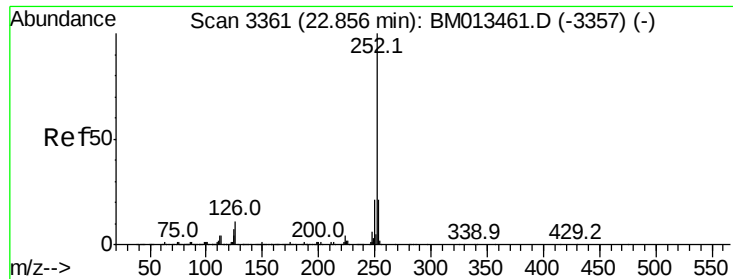
Delta R.T. 0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Tgt Ion:	252	Resp:	4735759
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.9	26.9
125	7.6	3.6	5.4#





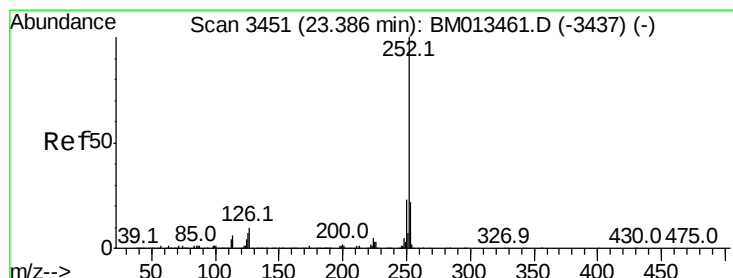
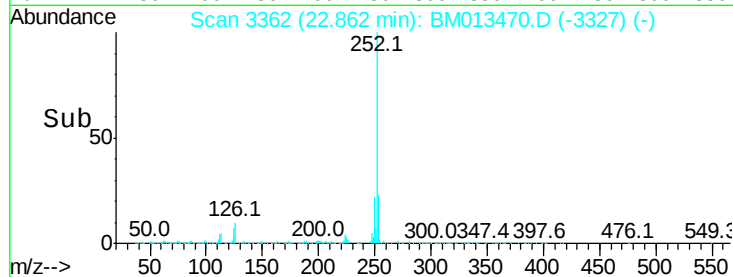
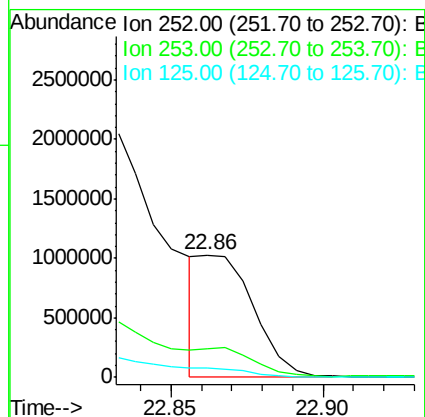
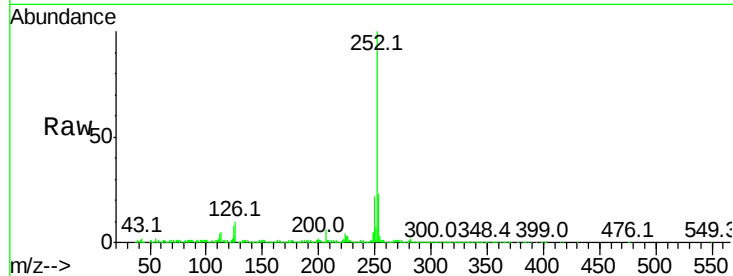
#86
Benzo(k)fluoranthene
Concen: 18.954 ng/ul m
RT: 22.86 min Scan# 3362
Delta R.T. 0.01 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Instrument :
BNA_M
ClientSampleId :
F9A57

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	7.8	3.4	5.2

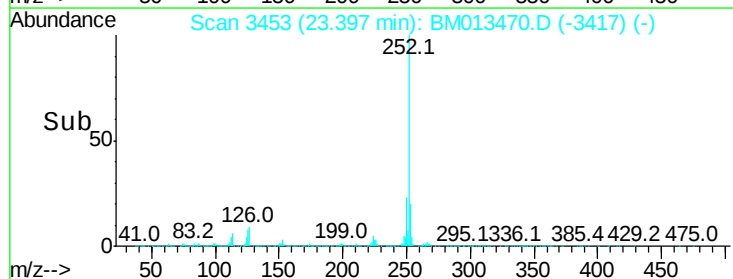
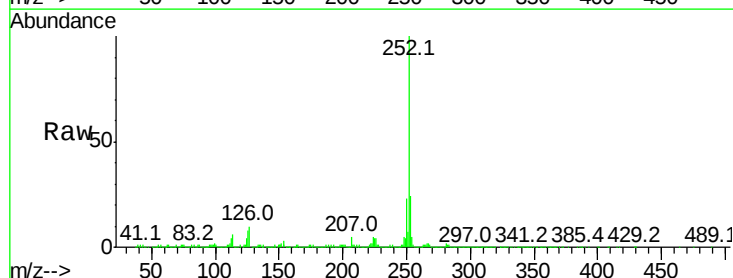
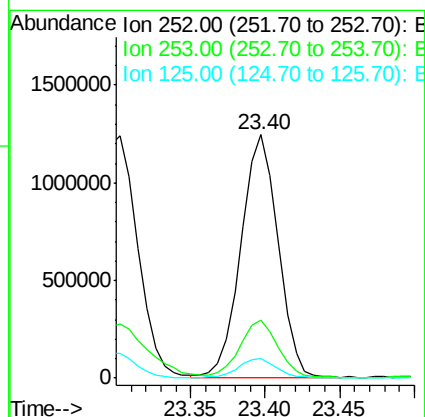
Manual Integrations
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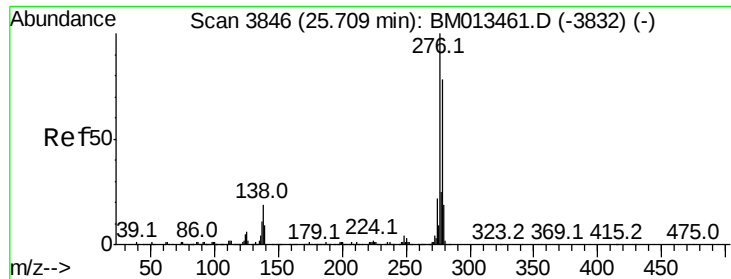
Sohil
12/18/2017 2:10:07 PM



#88
Benzo(a)pyrene
Concen: 33.754 ng/ul
RT: 23.40 min Scan# 3453
Delta R.T. 0.01 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	7.8	4.0	6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 33.436 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

Tot Ion:276 Resp: 2093382

Ion Ratio Lower Upper

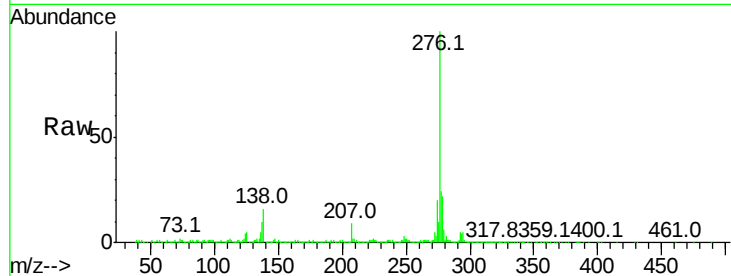
276 100

138 15.8 9.3 13.9#

277 23.5 19.9 29.9

Manual Integrations
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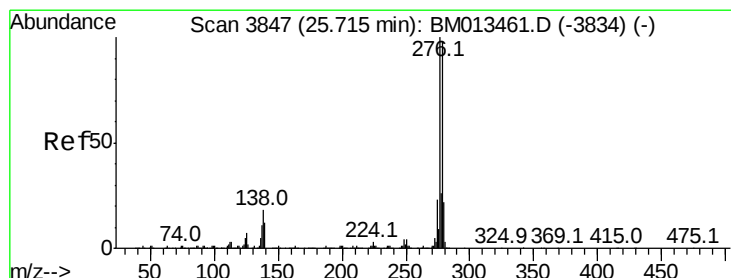
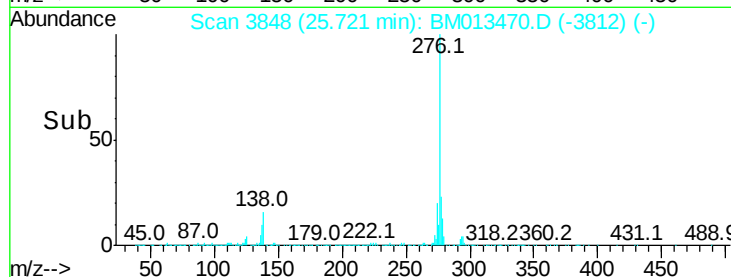
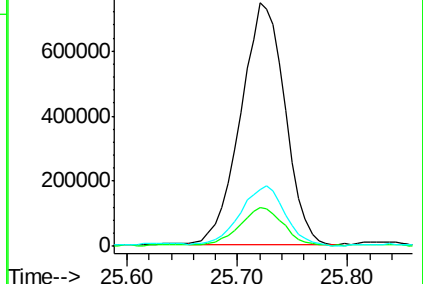
Sohil
12/18/2017 2:10:07 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 10.089 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

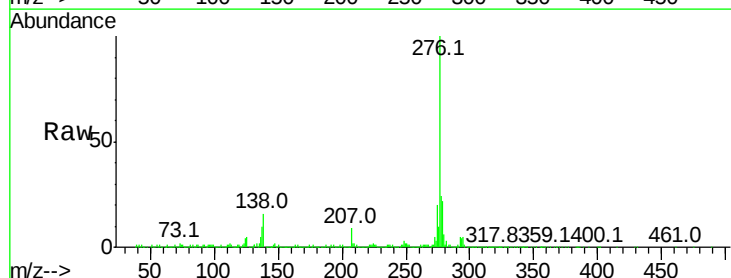
Tgt Ion:278 Resp: 537830

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

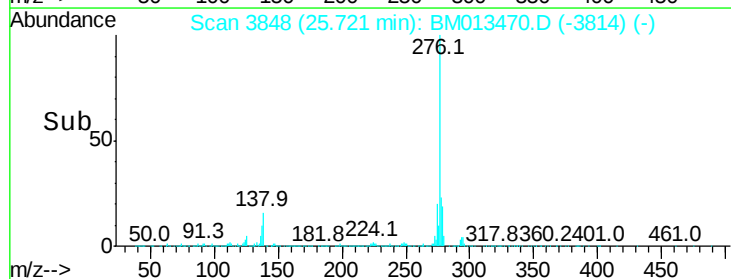
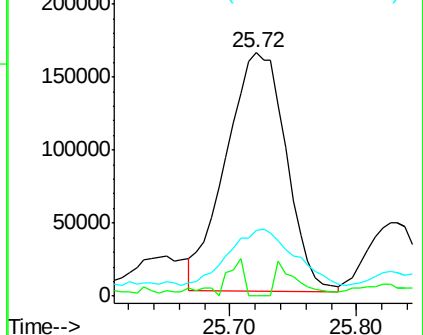
279 27.2 18.6 27.8

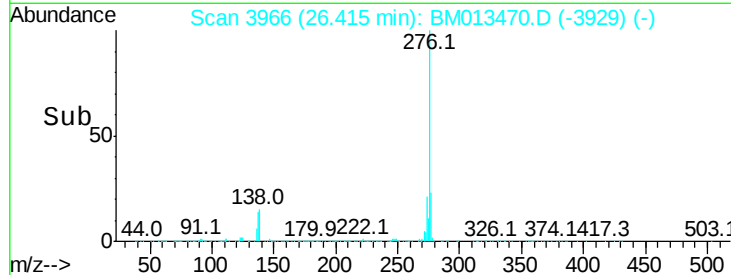
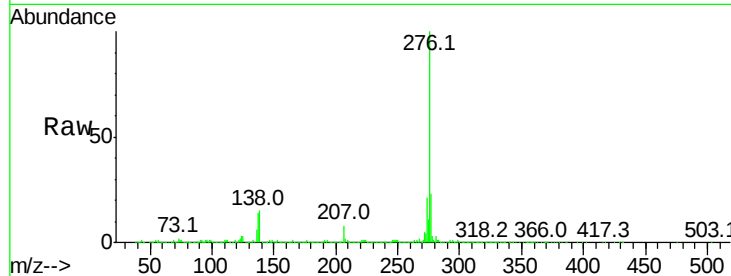
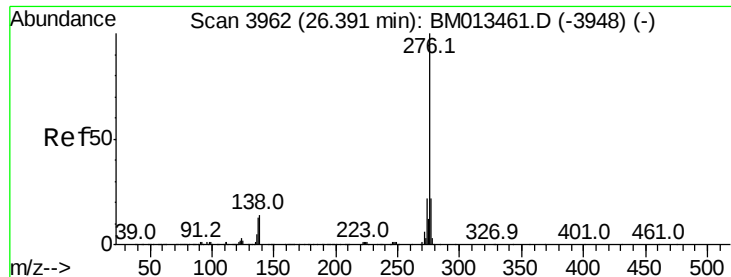


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 47.136 ng/ul
 RT: 26.41 min Scan# 3966
 Delta R.T. 0.02 min
 Lab File: BM013470.D
 Acq: 16 Dec 2017 09:59

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	8.5	12.7#
277	23.5	18.6	28.0

Instrument :
 BNA_M
 ClientSampleId :
 F9A57

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:10:07 PM

