

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
 Data File : BM013422.D
 Acq On : 15 Dec 2017 03:38
 Operator : SJ/JU
 Sample : I6758-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9B12

Manual Integrations
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Sohil
 12/15/2017 6:48:57 PM

Quant Time: Dec 16 23:11:42 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 05:52:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	250352	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1055968	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	612441	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1349868	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1115003	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	984534	20.00	ng/ul	0.01

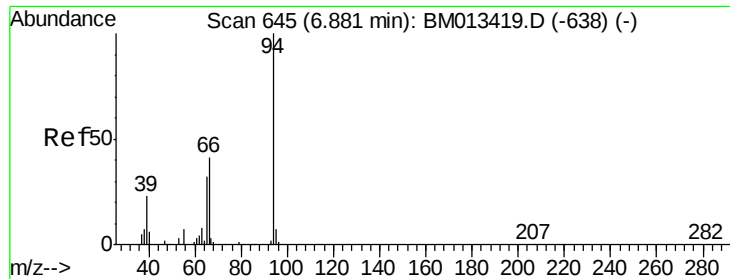
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	18313	3.62	ng/uL	0.00
5) Phenol-d5	6.86	99	458369	21.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	264983	21.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	378003	22.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	392593	21.22	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	187611	22.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	212425	23.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	395839	21.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	235475	13.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1215279	22.30	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1490653	22.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	194084	20.50	ng/ul	0.00
57) Fluorene-d10	15.32	176	1023311	21.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	171070	20.15	ng/ul	0.00
70) Anthracene-d10	17.17	188	1549806	22.92	ng/ul	0.00
76) Pyrene-d10	19.47	212	1472213	26.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	1020307	20.35	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	6.88	94	74543	3.481	ng/ul#	83
44) Dimethylphthalate	13.78	163	200705	3.850	ng/ul	99
47) Acenaphthylene	14.04	152	2174643	34.941	ng/ul	98
58) Fluorene	15.37	166	105295	2.034	ng/ul#	91
68) Pentachlorophenol	16.72	266	319674	31.585	ng/ul	96
69) Phenanthrene	17.11	178	225388	2.939	ng/ul	97
71) Anthracene	17.20	178	2314901	29.531	ng/ul	98
72) Carbazole	17.47	167	335175	4.971	ng/ul	97
74) Fluoranthene	19.13	202	2256788	24.014	ng/ul#	94
77) Pyrene	19.50	202	2731961	40.330	ng/ul#	93
80) Benzo(a)anthracene	21.25	228	1435688m	20.294	ng/ul	
82) Chrysene	21.30	228	2303495	35.097	ng/ul	96
85) Benzo(b)fluoranthene	22.83	252	6061015	91.323	ng/ul#	97
86) Benzo(k)fluoranthene	22.87	252	1264446m	20.245	ng/ul	
88) Benzo(a)pyrene	23.40	252	3178951	53.321	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.74	276	4399653	74.374	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.74	278	1136897	22.571	ng/ul#	90
91) Benzo(g,h,i)perylene	26.44	276	4382408	93.920	ng/ul#	95

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



#6

Phenol

Concen: 3.481 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

ClientSampleId :

F9B12

Tgt Ion: 94 Resp: 74543

Ion Ratio Lower Upper

94 100

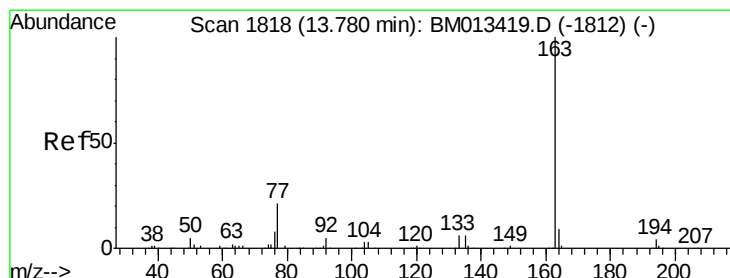
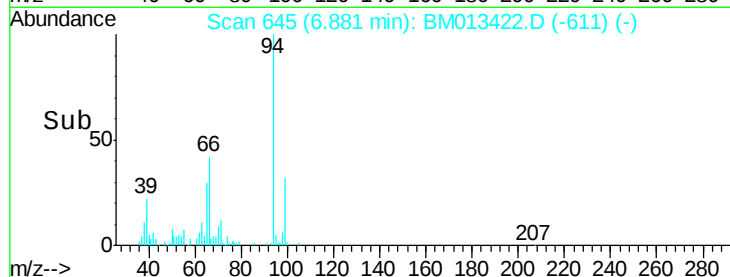
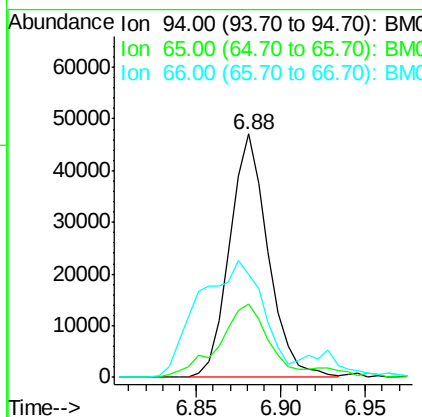
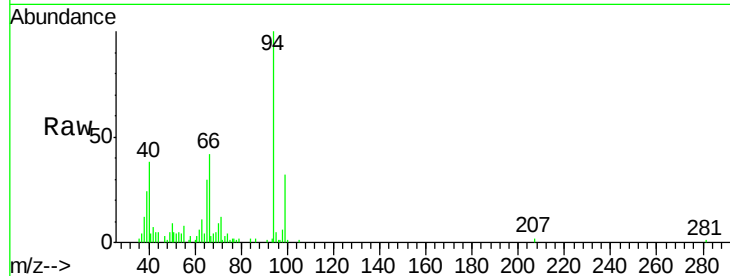
65 30.1 28.2 42.4

66 42.5 47.2 70.8#

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#44

Dimethylphthalate

Concen: 3.850 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

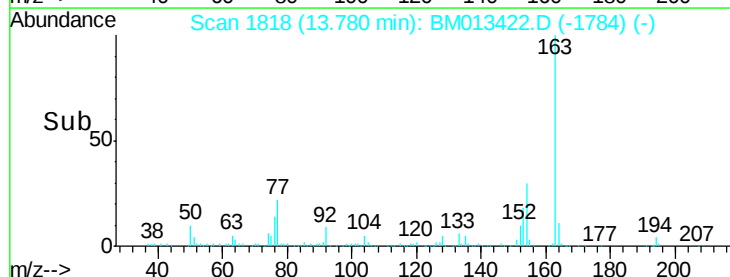
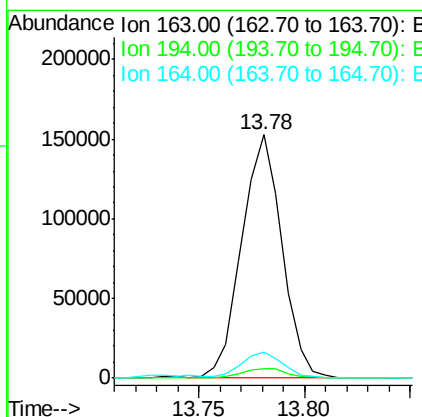
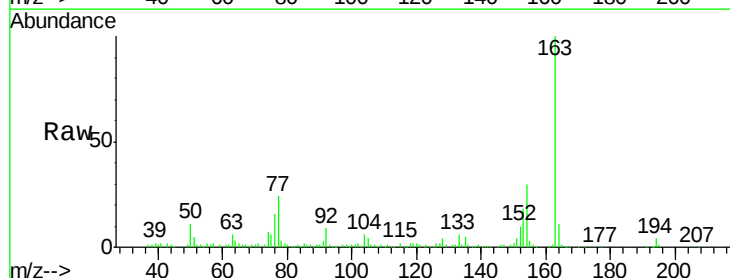
Tgt Ion: 163 Resp: 200705

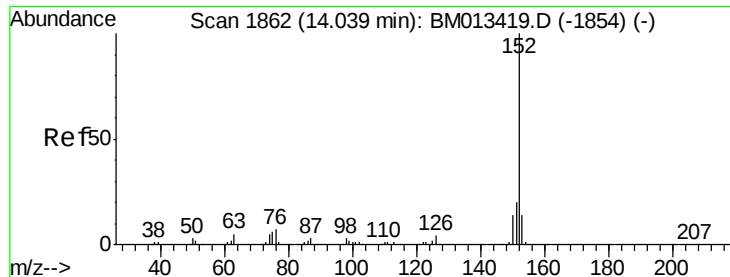
Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

164 10.8 8.2 12.4





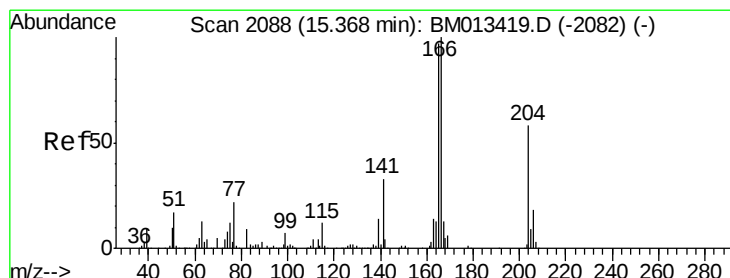
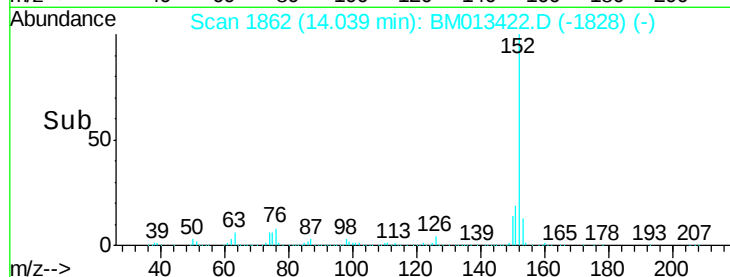
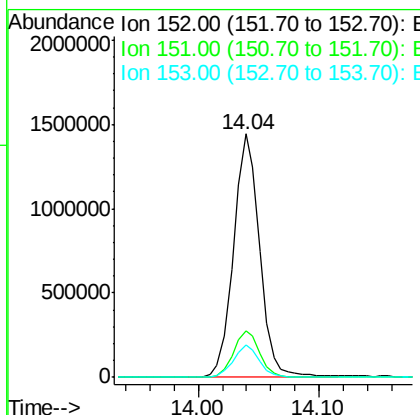
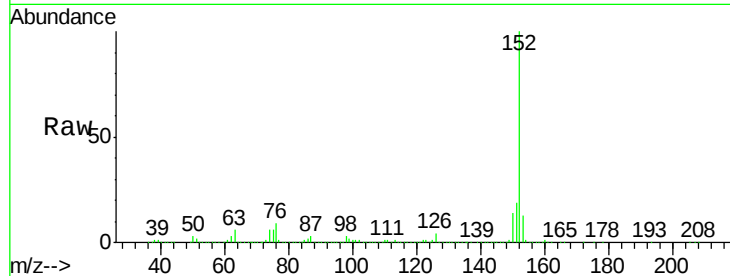
#47
Acenaphthylene
Concen: 34.941 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Instrument :
BNA_M
ClientSampleId :
F9B12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	13.2	10.2	15.4

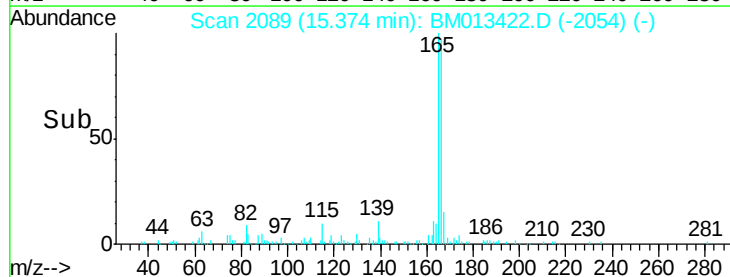
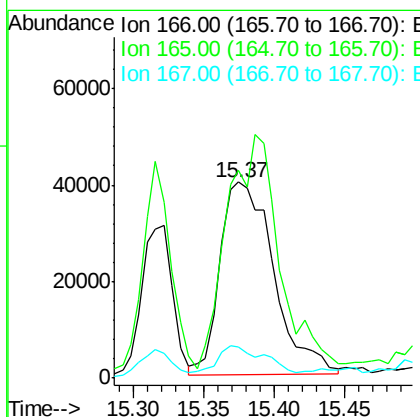
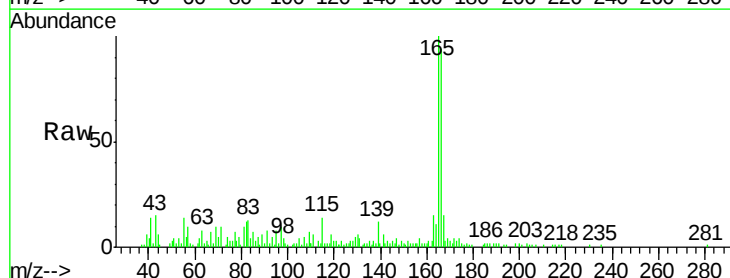
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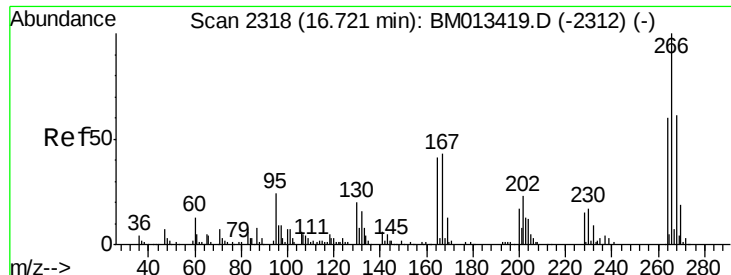
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#58
Fluorene
Concen: 2.034 ng/ul
RT: 15.37 min Scan# 2089
Delta R.T. 0.01 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.1	77.9	116.9
167	16.2	10.6	16.0#





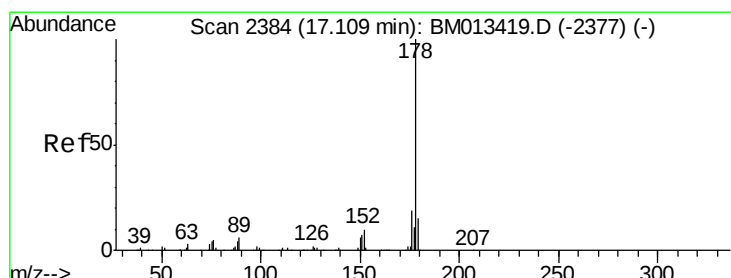
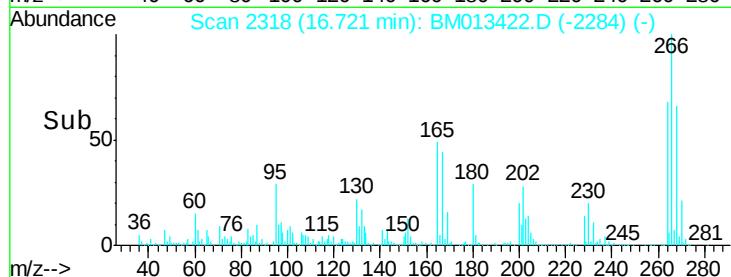
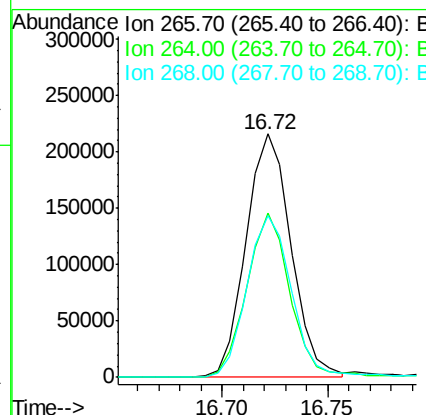
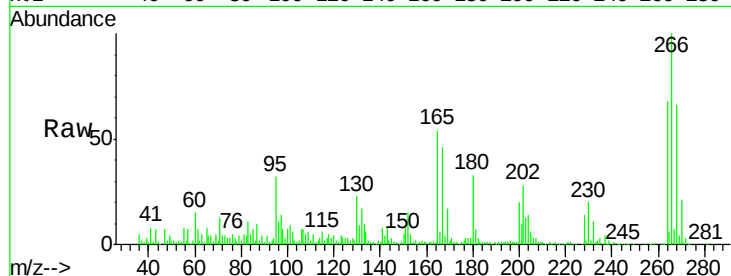
#68
 Pentachlorophenol
 Concen: 31.585 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: BM013422.D
 Acq: 15 Dec 2017 03:38

Instrument :
 BNA_M
 ClientSampleId :
 F9B12

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	319674		
264	67.5	49.3	73.9	
268	66.2	52.6	78.8	

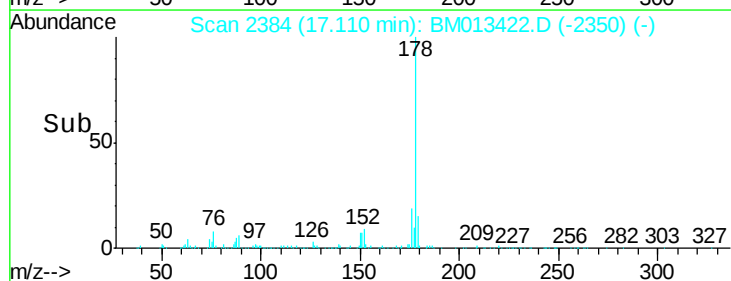
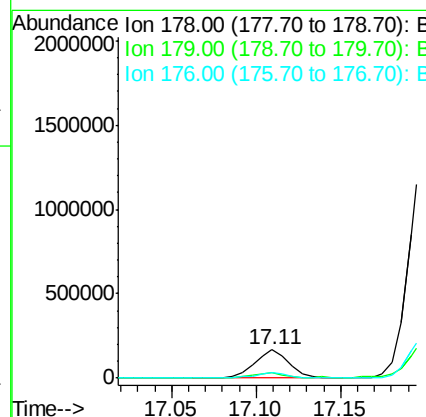
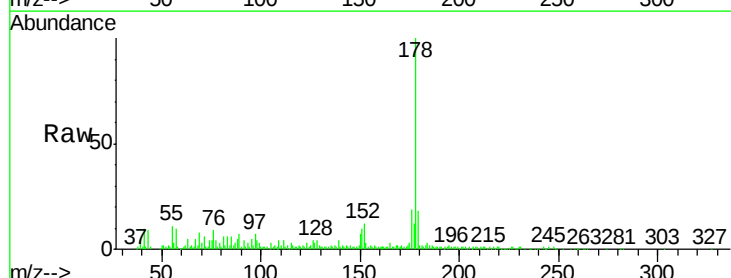
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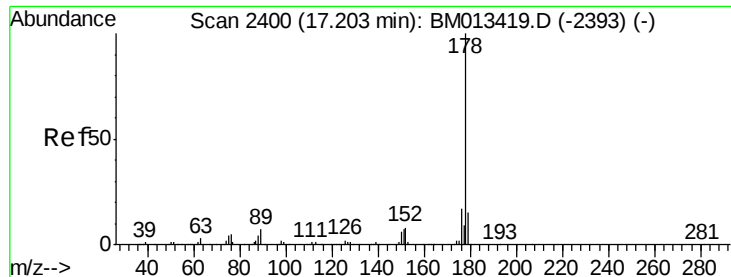
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#69
 Phenanthrene
 Concen: 2.939 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. 0.00 min
 Lab File: BM013422.D
 Acq: 15 Dec 2017 03:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	225388		
179	17.6	12.6	19.0	
176	19.1	14.9	22.3	





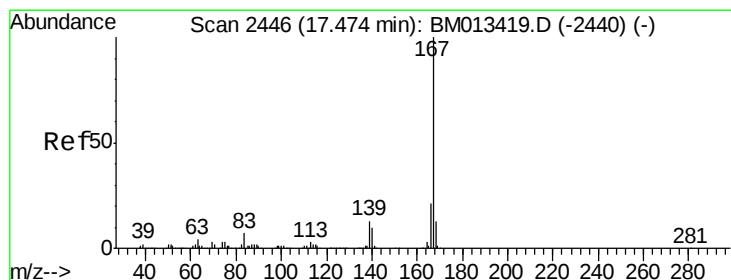
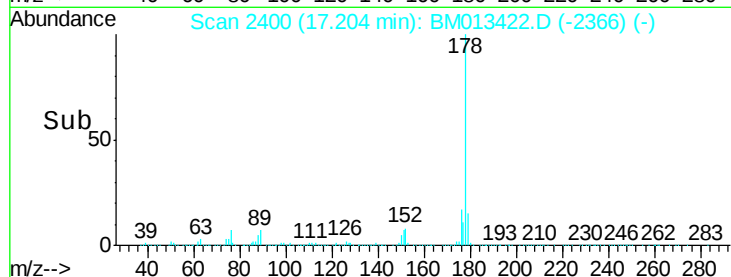
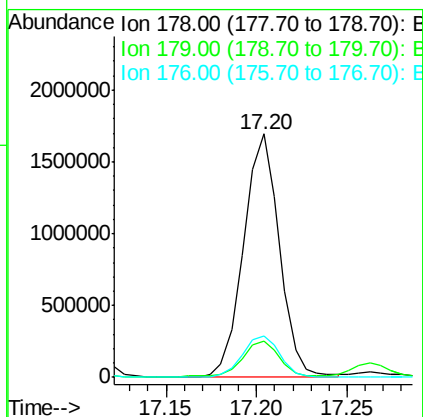
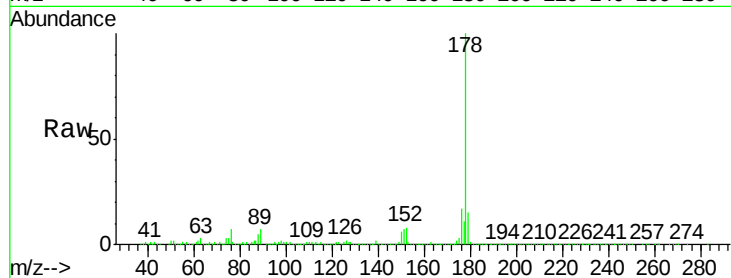
#71
 Anthracene
 Concen: 29.531 ng/ul
 RT: 17.20 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BM013422.D
 Acq: 15 Dec 2017 03:38

Instrument :
 BNA_M
 ClientSampleId :
 F9B12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	17.0	14.6	21.8

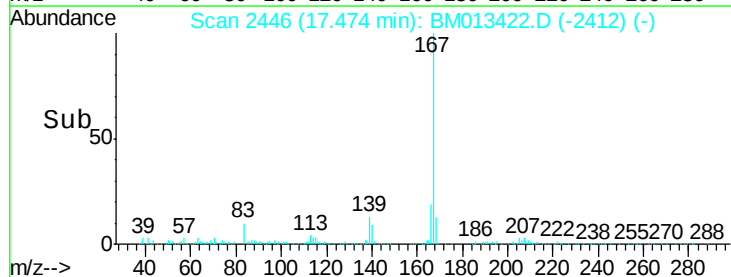
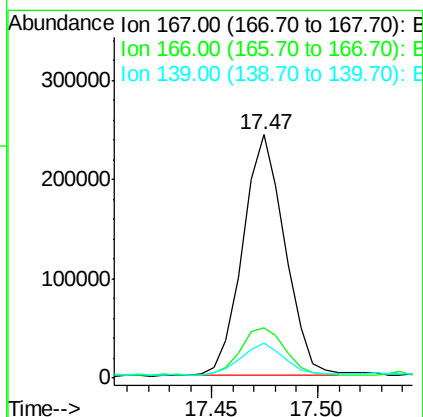
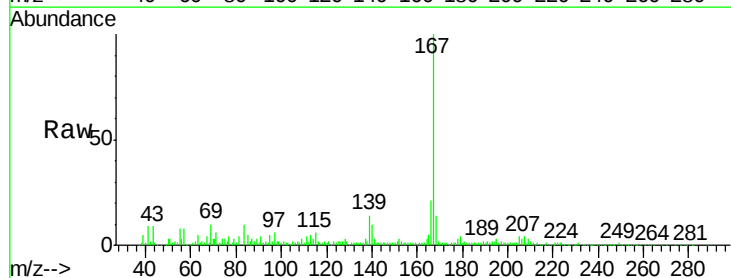
Manual Integrations
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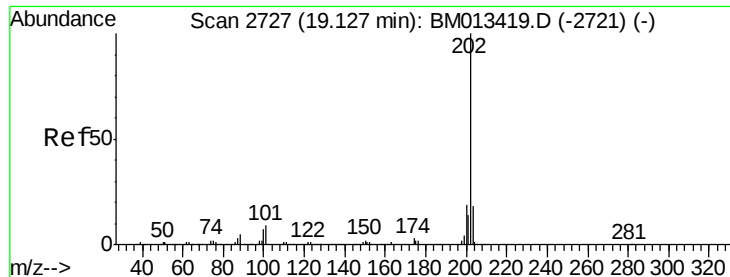
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#72
 Carbazole
 Concen: 4.971 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BM013422.D
 Acq: 15 Dec 2017 03:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.1	25.7
139	14.4	10.0	15.0





#74

Fluoranthene

Concen: 24.014 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

ClientSampleId :

F9B12

Tgt Ion:202 Resp: 2256788

Ion Ratio Lower Upper

202 100

101 8.0 4.6 7.0#

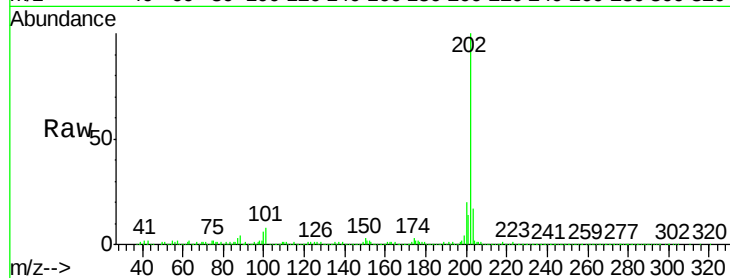
100 6.3 3.4 5.2#

Manual Integrations

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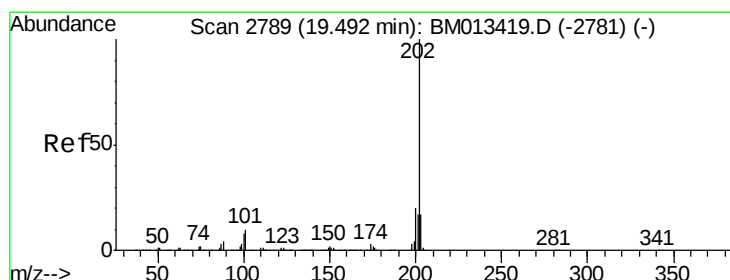
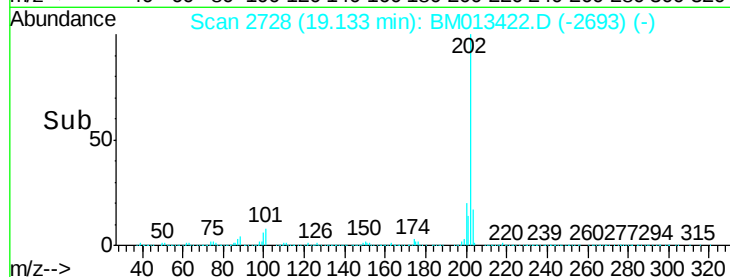
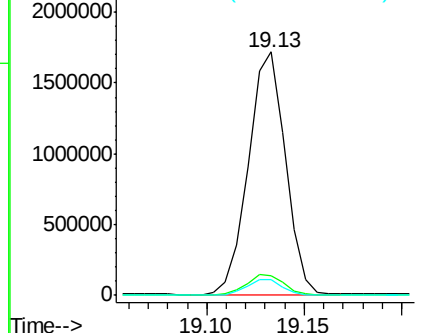
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 40.330 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Tgt Ion:202 Resp: 2731961

Ion Ratio Lower Upper

202 100

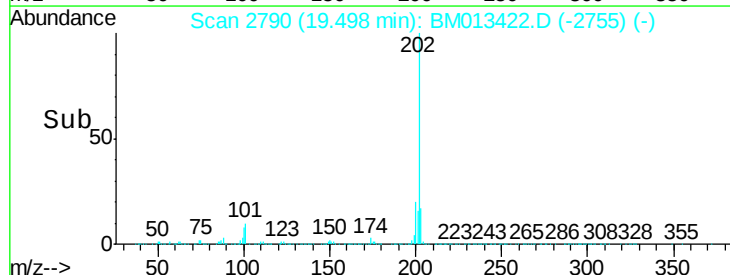
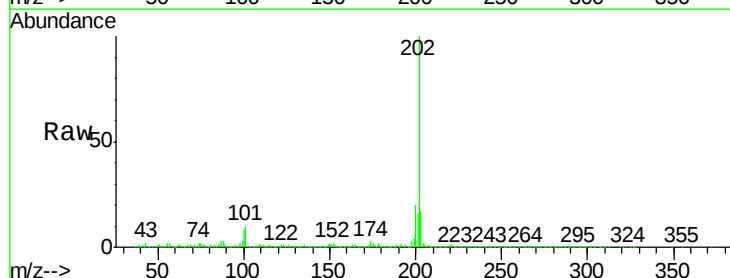
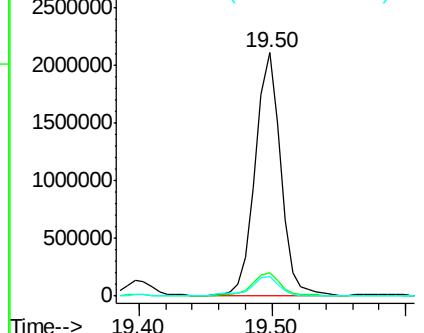
101 9.6 5.1 7.7#

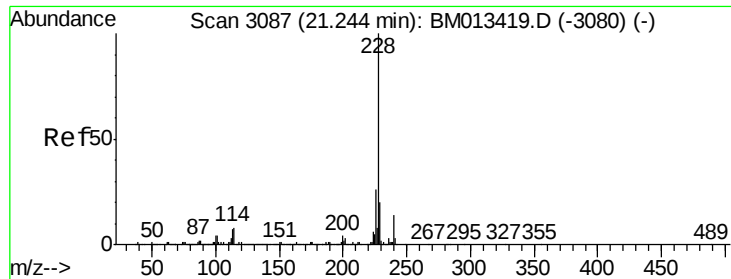
100 7.8 4.9 7.3#

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





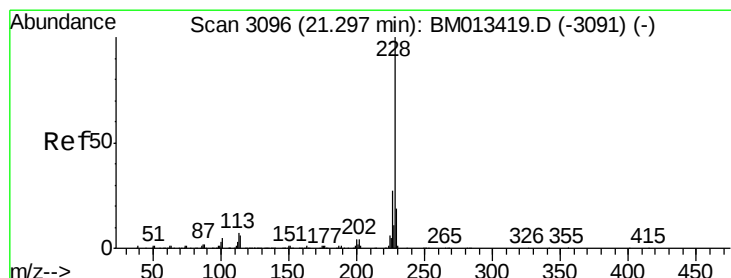
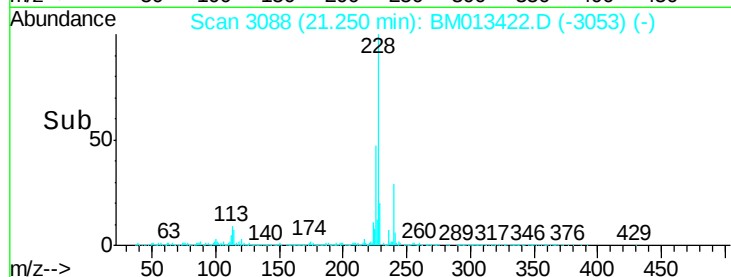
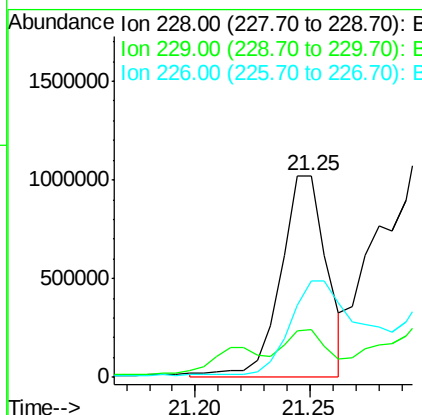
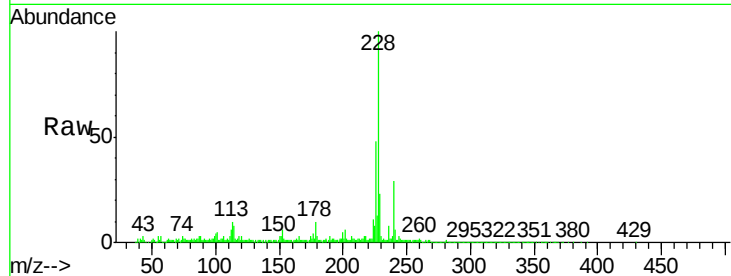
#80
Benzo(a)anthracene
Concen: 20.294 ng/u1 m
RT: 21.25 min Scan# 3088
Delta R.T. 0.01 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Instrument :
BNA_M
ClientSampled :
F9B12

Tgt Ion:228 Resp: 1435688
Ion Ratio Lower Upper
228 100
229 23.4 15.4 23.0#
226 47.9 21.4 32.0#

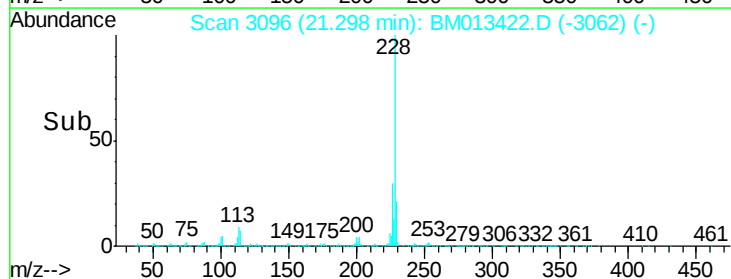
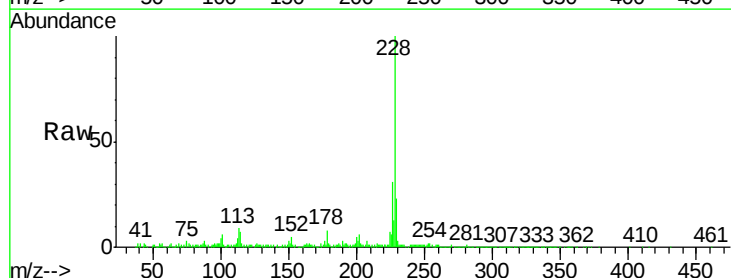
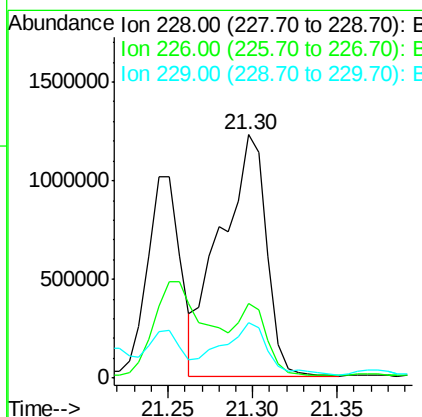
Manual Integrations
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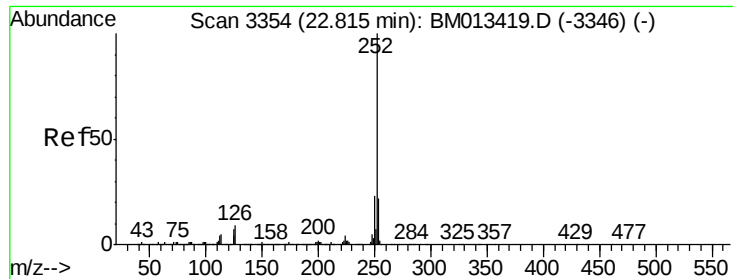
Sohil
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#82
Chrysene
Concen: 35.097 ng/u1
RT: 21.30 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Tgt Ion:228 Resp: 2303495
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.2
229 22.7 15.5 23.3





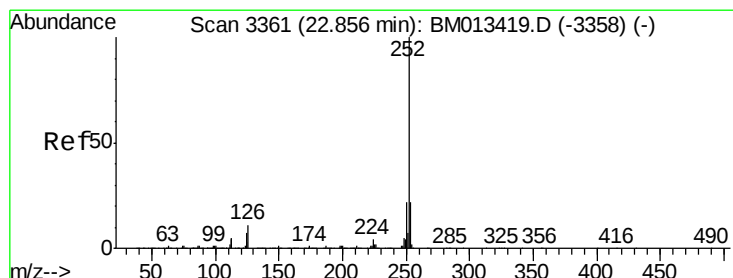
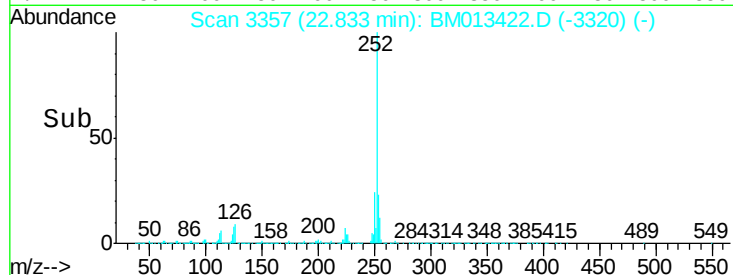
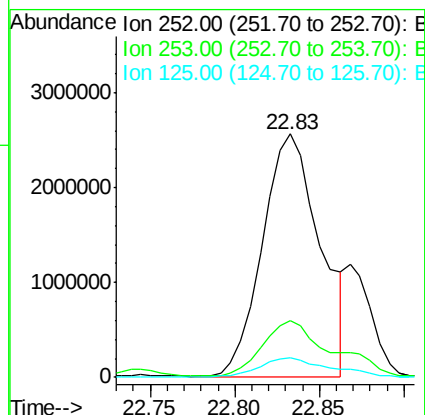
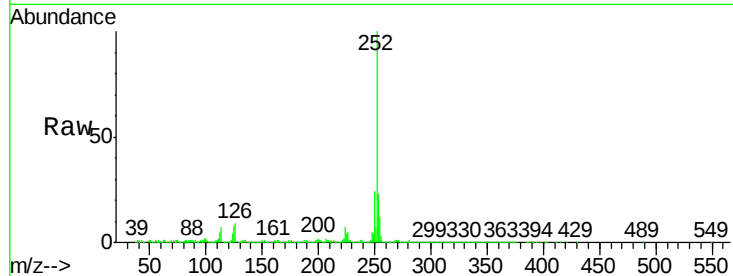
#85
Benzo(b)fluoranthene
Concen: 91.323 ng/ul
RT: 22.83 min Scan# 3357
Delta R.T. 0.02 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Instrument :
BNA_M
ClientSampleId :
F9B12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	7.8	3.6	5.4

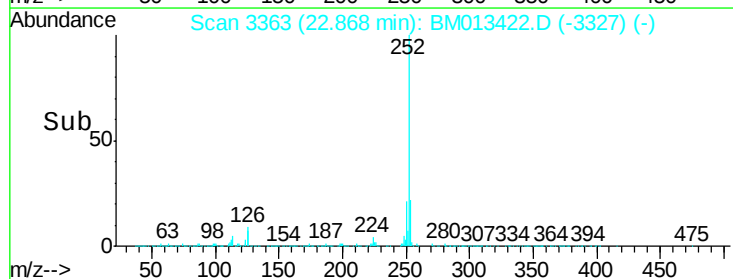
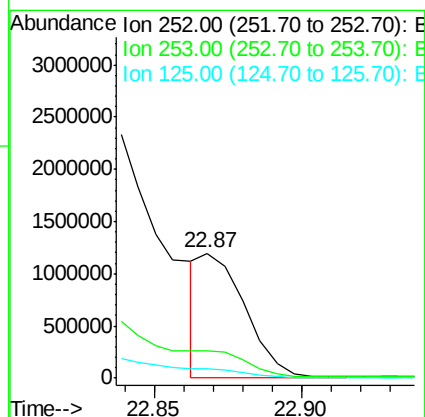
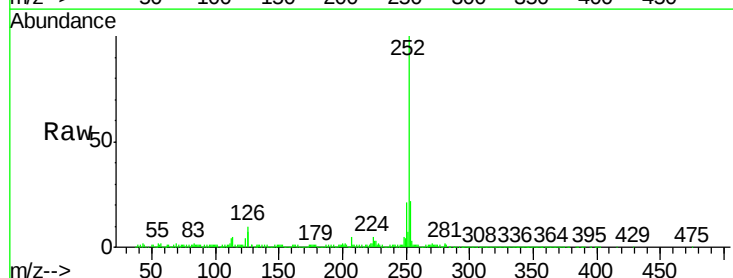
Manual Integrations
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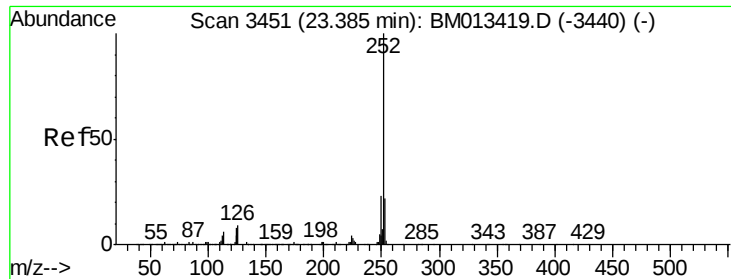
Sohil
12/15/2017 6:48:57 PM



#86
Benzo(k)fluoranthene
Concen: 20.245 ng/ul m
RT: 22.87 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	7.3	3.4	5.2





#88

Benzo(a)pyrene

Concen: 53.321 ng/ul

RT: 23.40 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

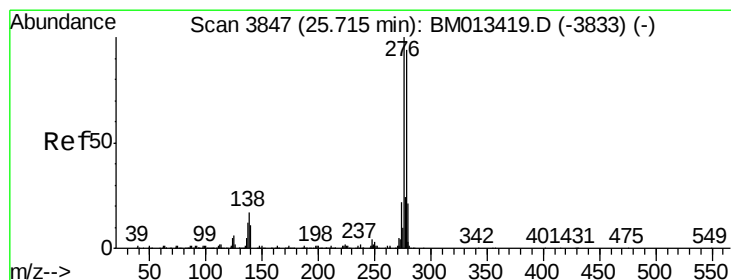
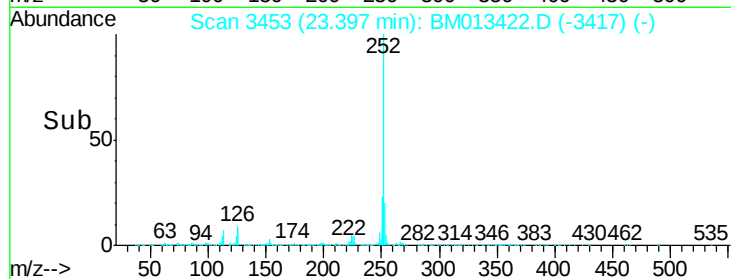
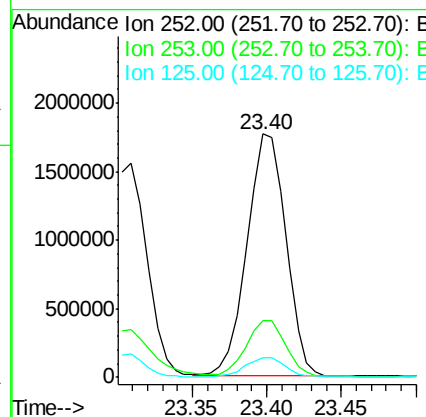
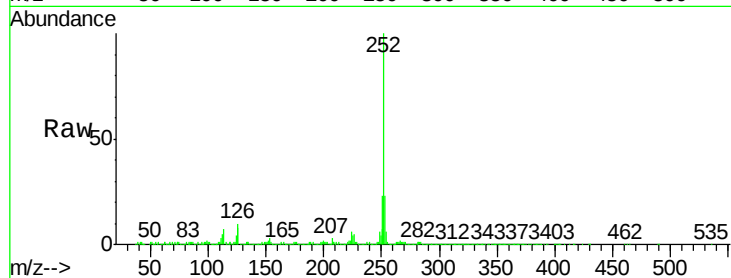
ClientSampleId :

F9B12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	8.3	4.0	6.0

Manual Integrations
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Sohil
12/15/2017 6:48:57 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 74.374 ng/ul

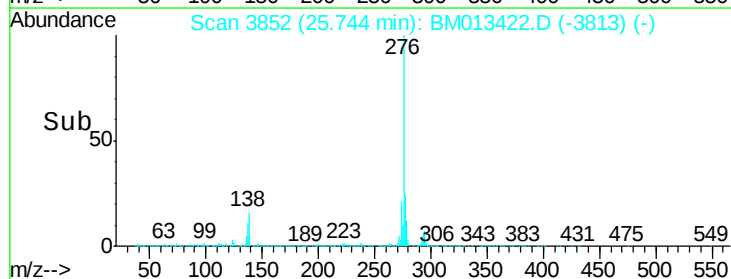
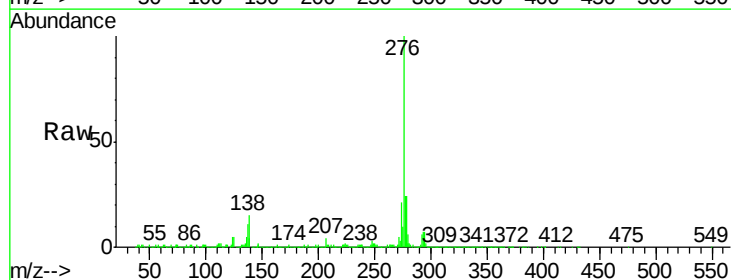
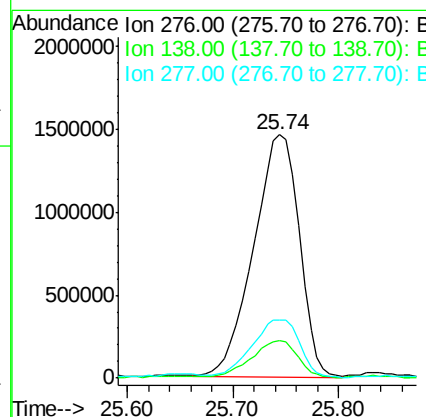
RT: 25.74 min Scan# 3852

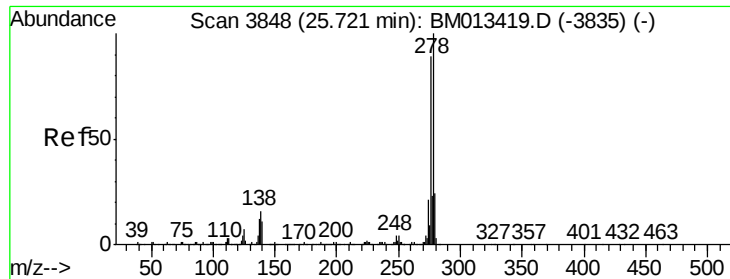
Delta R.T. 0.03 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.3	9.3	13.9
277	24.1	19.9	29.9





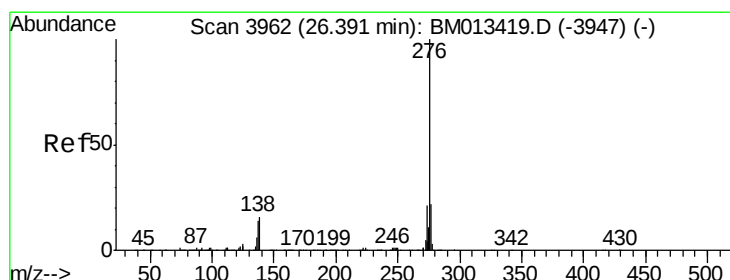
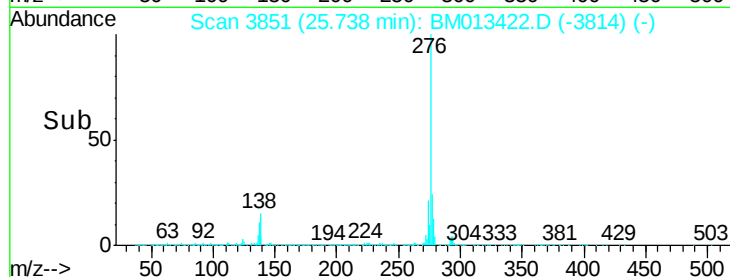
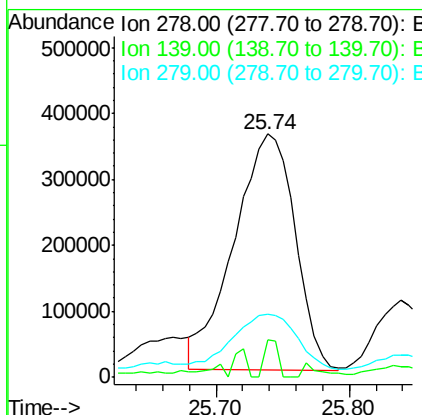
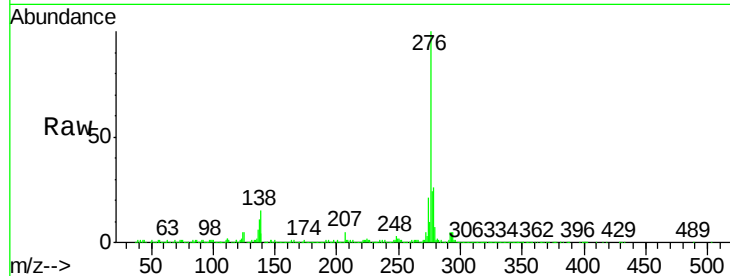
#90
Dibenzo(a,h)anthracene
Concen: 22.571 ng/ul
RT: 25.74 min Scan# 3851
Delta R.T. 0.02 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Instrument :
BNA_M
ClientSampled :
F9B12

Tgt Ion:278 Resp: 1136897
Ion Ratio Lower Upper
278 100
139 15.7 5.8 8.8#
279 26.0 18.6 27.8

Manual Integrations
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Sohil
12/15/2017 6:48:57 PM



#91
Benzo(g,h,i)perylene
Concen: 93.920 ng/ul
RT: 26.44 min Scan# 3970
Delta R.T. 0.05 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Tgt Ion:276 Resp: 4382408
Ion Ratio Lower Upper
276 100
138 15.2 8.5 12.7#
277 24.1 18.6 28.0

