

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013951.D
 Acq On : 29 Jan 2018 08:22
 Operator : SJ/JU
 Sample : J1244-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B51

Manual Integrations
 APPROVED

Sohil
 1/29/2018 6:09:03 PM

Quant Time: Jan 29 16:35:55 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	151354	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	589792	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.25	164	510520	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.05	188	851435	20.00	ng/ul	0.06
75) Chrysene-d12	21.21	240	898020m	20.00	ng/ul	0.02
83) Perylene-d12	23.39	264	809769	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	8471	2.21	ng/uL	0.00
5) Phenol-d5	6.76	99	225059	19.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	147042	20.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	192063	20.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	204535	22.90	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	111234	24.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	111621	23.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	222358	23.80	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	272270	33.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	653507	15.53	ng/ul	0.02
46) Acenaphthylene-d8	13.93	160	790348	14.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	55048	8.05	ng/ul	0.02
57) Fluorene-d10	15.24	176	541560	14.64	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.46	200	20124m	3.93	ng/ul	0.08
70) Anthracene-d10	17.14	188	933340	22.51	ng/ul	0.06
76) Pyrene-d10	19.42	212	1050738	25.13	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.26	264	902646	24.25	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.79	94	33244	2.853	ng/ul	94
28) Naphthalene	10.41	128	36487474m	1243.521	ng/ul	
34) 2-Methylnaphthalene	12.04	142	32552215m	1488.008	ng/ul	
40) 1,1'-Biphenyl	13.07	154	13657989	321.399	ng/ul	96
44) Dimethylphthalate	13.72	163	269260	6.509	ng/ul	99
47) Acenaphthylene	13.96	152	1060500	21.602	ng/ul#	85
49) Acenaphthene	14.32	153	32918199m	968.178	ng/ul	
53) Dibenzofuran	14.65	168	27547355m	538.569	ng/ul	
58) Fluorene	15.31	166	29296893m	699.230	ng/ul	
68) Pentachlorophenol	16.70	266	99828	17.355	ng/ul	88
69) Phenanthrene	17.04	178	55686536m	1176.614	ng/ul	
71) Anthracene	17.17	178	17348050m	355.375	ng/ul	
72) Carbazole	17.42	167	6327725	157.033	ng/ul	100
74) Fluoranthene	19.07	202	40153219m	710.748	ng/ul	
77) Pyrene	19.44	202	34696101m	635.538	ng/ul	
80) Benzo(a)anthracene	21.19	228	15706342m	289.449	ng/ul	
82) Chrysene	21.25	228	12927275	259.690	ng/ul#	89
85) Benzo(b)fluoranthene	22.75	252	7922238	159.305	ng/ul#	99
86) Benzo(k)fluoranthene	22.78	252	2249738m	46.804	ng/ul	
88) Benzo(a)pyrene	23.30	252	4300605	91.544	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.57	276	1201562	21.667	ng/ul	98
90) Dibenzo(a,h)anthracene	25.57	278	380085	8.116	ng/ul#	94
91) Benzo(g,h,i)perylene	26.24	276	881308	19.309	ng/ul#	96

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013951.D
Acq On : 29 Jan 2018 08:22
Operator : SJ/JU
Sample : J1244-10
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6B51

Manual Integrations
APPROVED

Sohil
1/29/2018 6:09:03 PM

Quant Time: Jan 29 16:35:55 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration

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

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

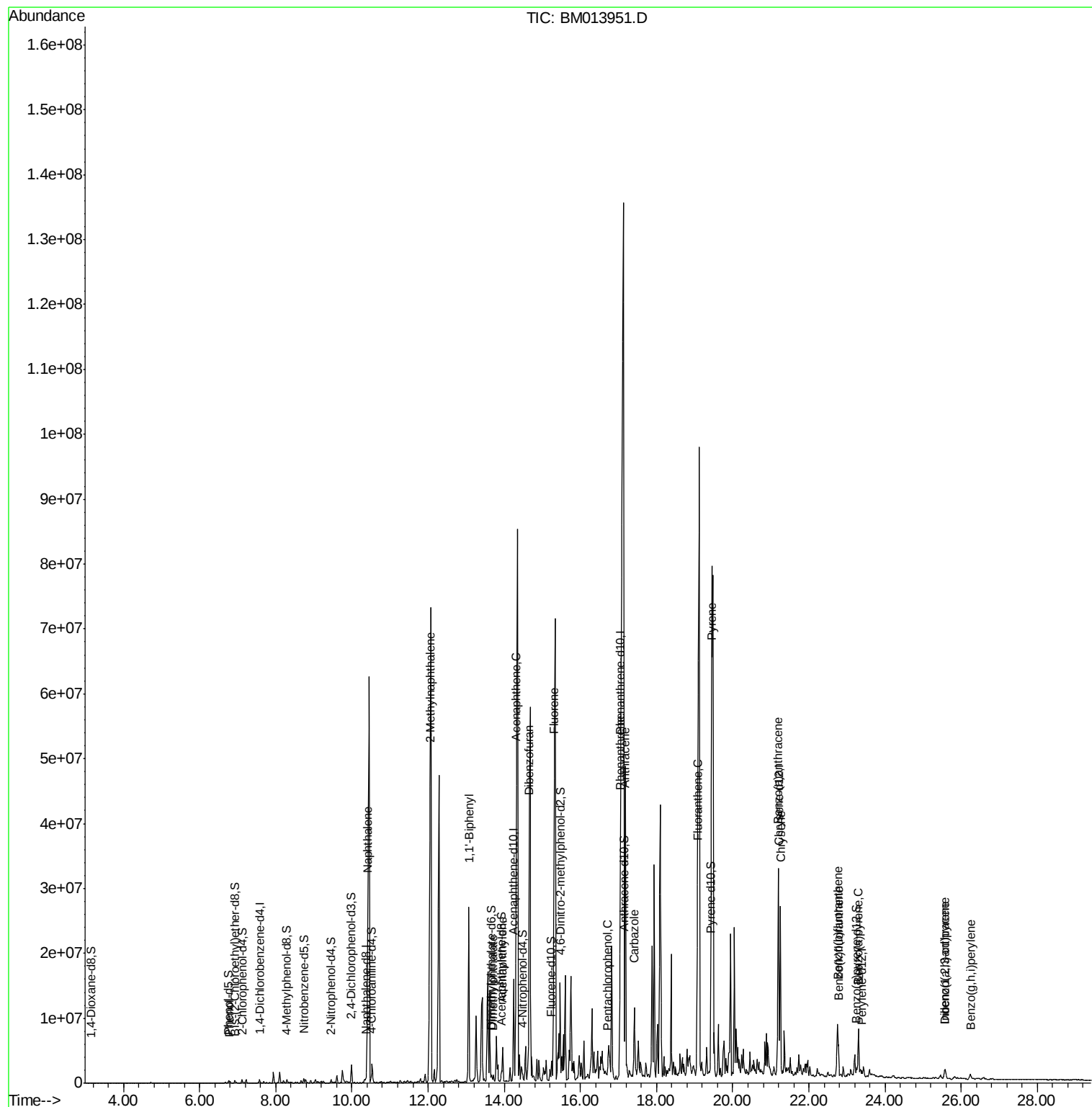
Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013951.D
Acq On : 29 Jan 2018 08:22
Operator : SJ/JU
Sample : J1244-10
Misc :
ALS Vial : 33 Sample Multiplier: 1

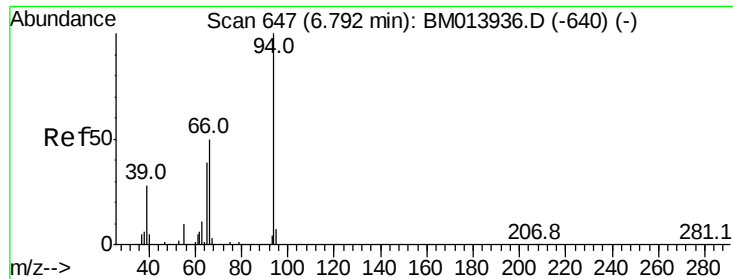
Instrument :
BNA_M
ClientSampleId :
F6B51

Manual Integrations
APPROVED

Sohil
1/29/2018 6:09:03 PM

Quant Time: Jan 29 16:35:55 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration





#6

Phenol

Concen: 2.853 ng/ul

RT: 6.79 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

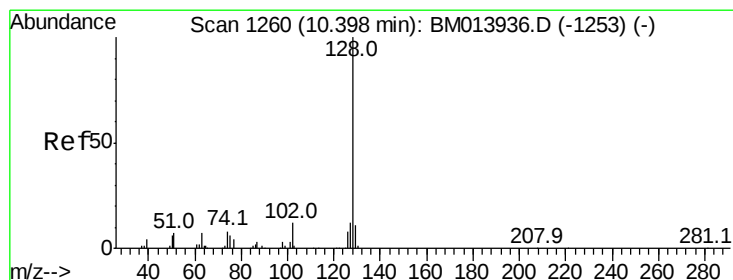
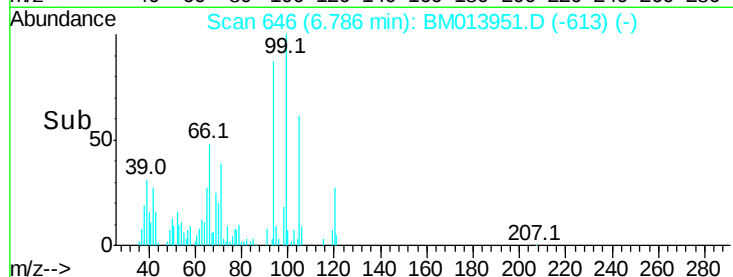
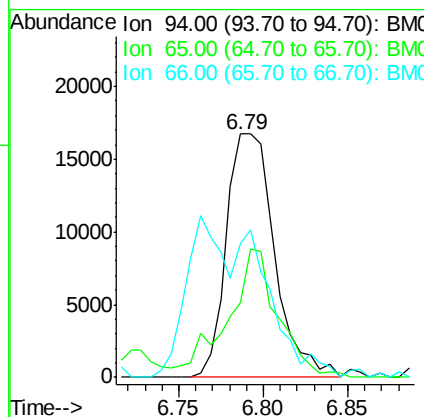
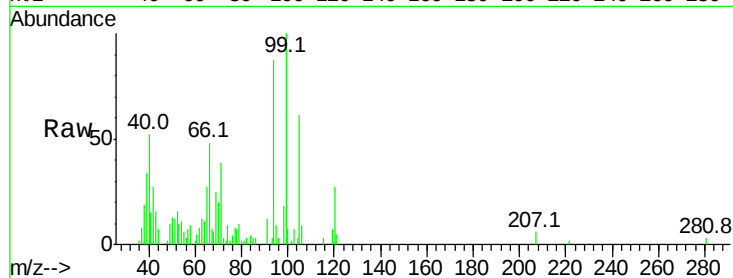
ClientSampled :

F6B51

Tot Ion:	94	Resp:	33244
Ion	Ratio	Lower	Upper
94	100		
65	30.5	28.2	42.4
66	55.0	47.2	70.8

Manual Integrations
APPROVED

Sohil
1/29/2018 6:09:03 PM



#28

Naphthalene

Concen: 1243.521 ng/ul m

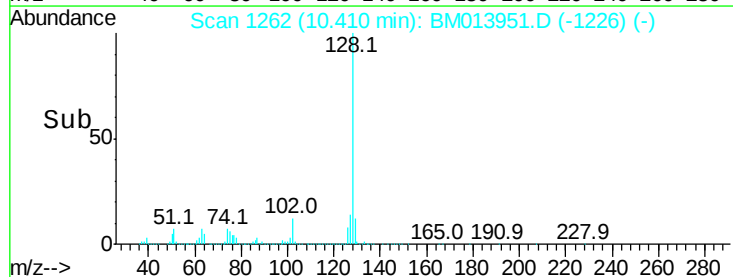
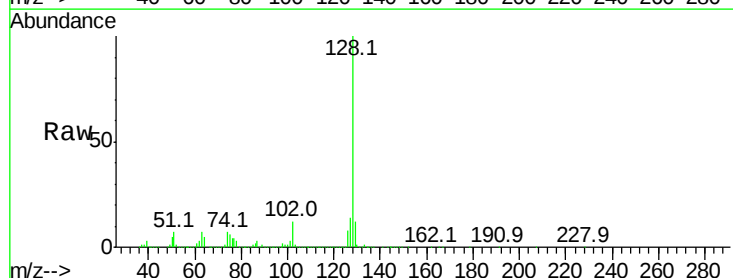
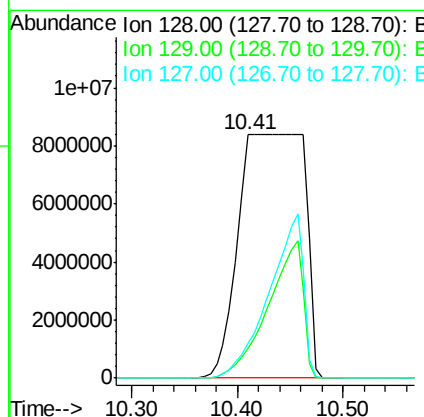
RT: 10.41 min Scan# 1262

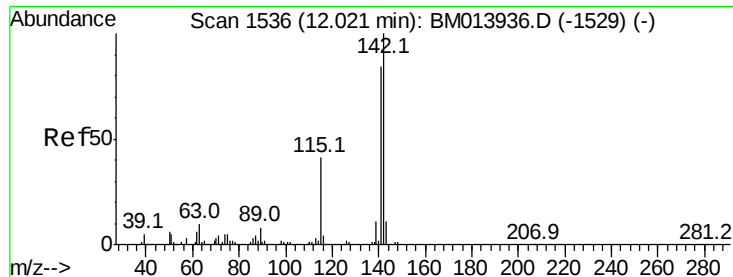
Delta R.T. 0.01 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Tgt Ion:	128	Resp:	36487474
Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.8	13.2
127	14.3	10.6	16.0





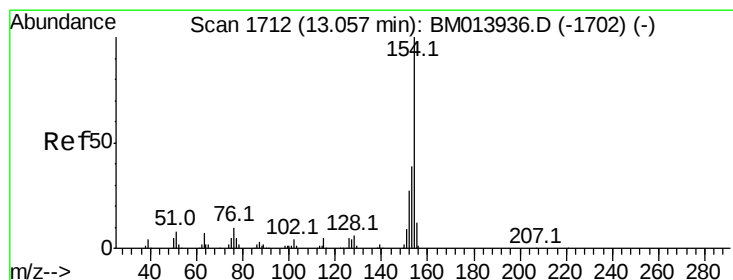
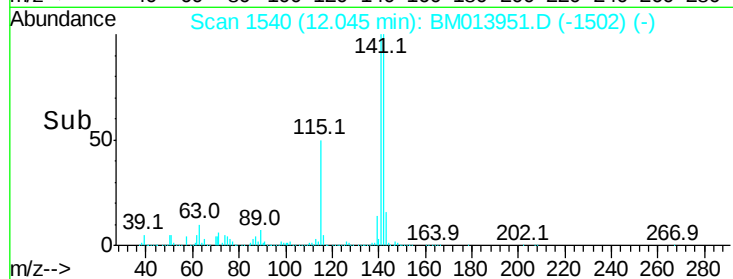
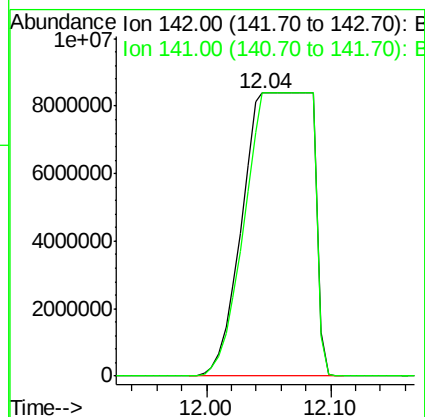
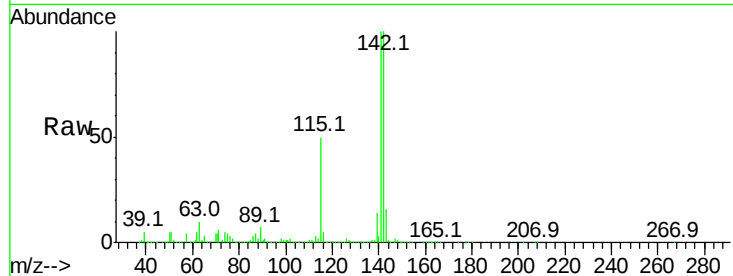
#34
2-Methylnaphthalene
Concen: 1488.008 ng/ul m
RT: 12.04 min Scan# 1540
Delta R.T. 0.02 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Instrument :
BNA_M
ClientSampled :
F6B51

Tot Ion:142 Resp:32552215
Ion Ratio Lower Upper
142 100
141 100.0 74.1 111.1

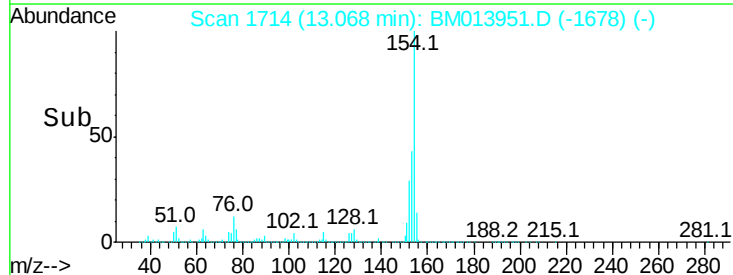
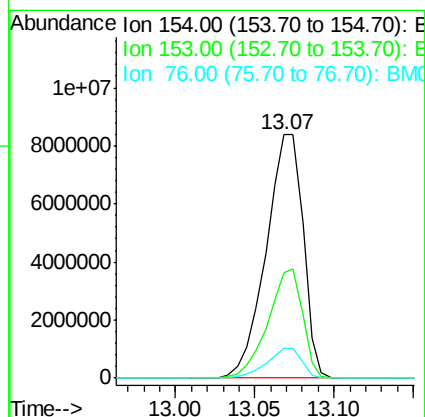
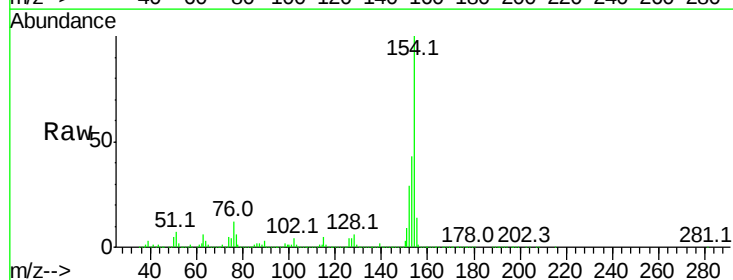
Manual Integrations
APPROVED

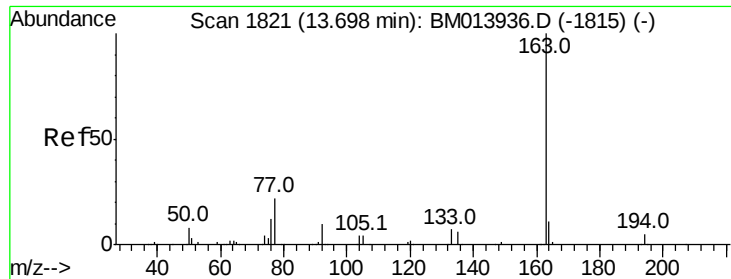
Sohil
1/29/2018 6:09:03 PM



#40
1,1'-Biphenyl
Concen: 321.399 ng/ul
RT: 13.07 min Scan# 1714
Delta R.T. 0.01 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Tgt Ion:154 Resp:13657989
Ion Ratio Lower Upper
154 100
153 43.3 32.6 48.8
76 12.4 8.5 12.7





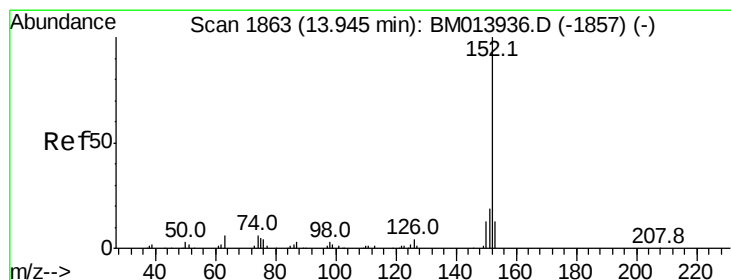
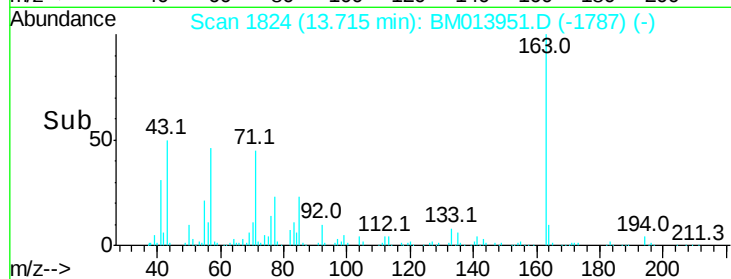
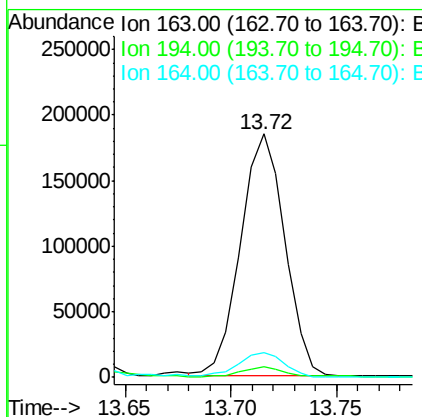
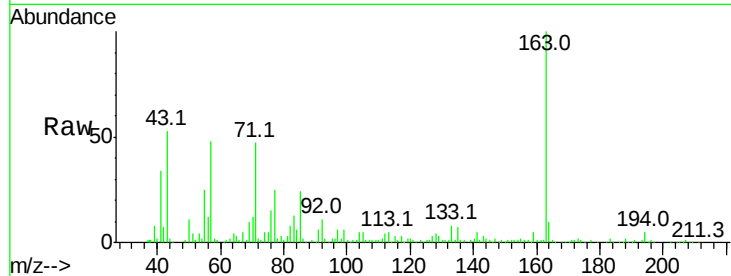
#44
Dimethylphthalate
Concen: 6.509 ng/ul
RT: 13.72 min Scan# 1824
Delta R.T. 0.02 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Instrument :
BNA_M
ClientSampled :
F6B51

Tot Ion	Ratio	Resp	Lower	Upper
163	100	269260		
194	4.5		3.5	5.3
164	10.0		8.2	12.4

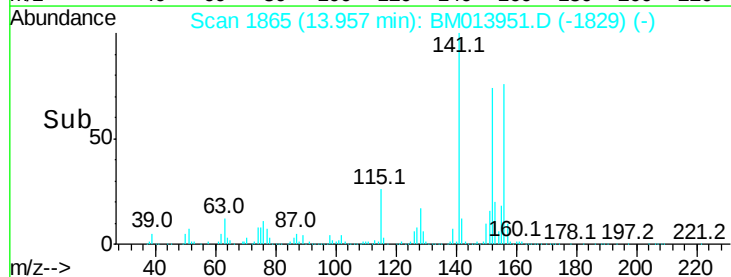
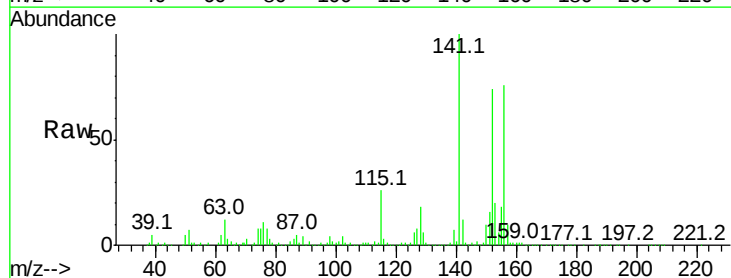
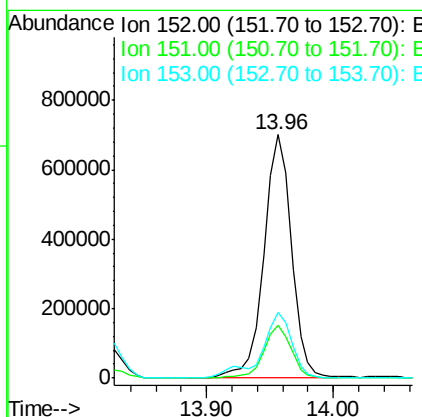
Manual Integrations
APPROVED

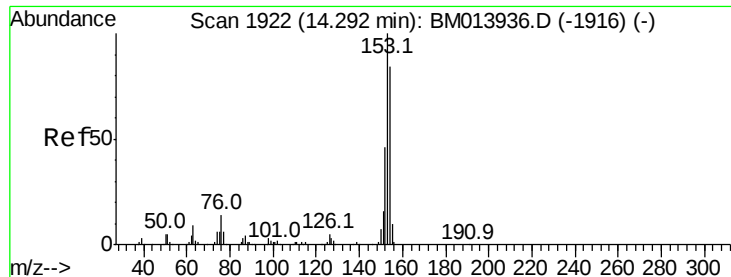
Sohil
1/29/2018 6:09:03 PM



#47
Acenaphthylene
Concen: 21.602 ng/ul
RT: 13.96 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1060500		
151	21.5		16.3	24.5
153	26.8		10.2	15.4





#49

Acenaphthene

Concen: 968.178 ng/ul m

RT: 14.32 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

F6B51

Tot Ion:153 Resp:32918199

Ion Ratio Lower Upper

153 100

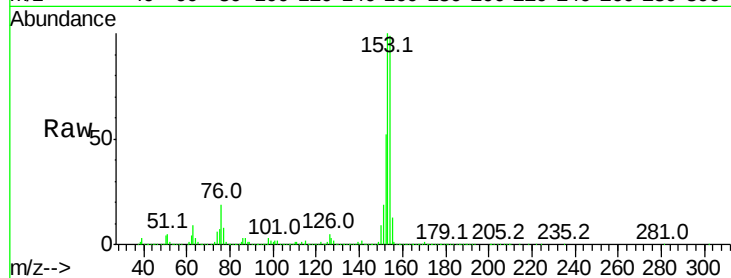
152 52.1 37.6 56.4

154 99.4 70.4 105.6

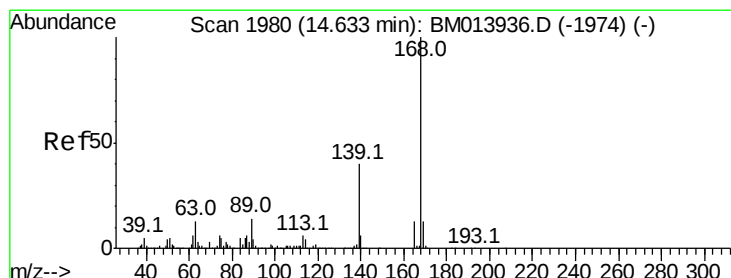
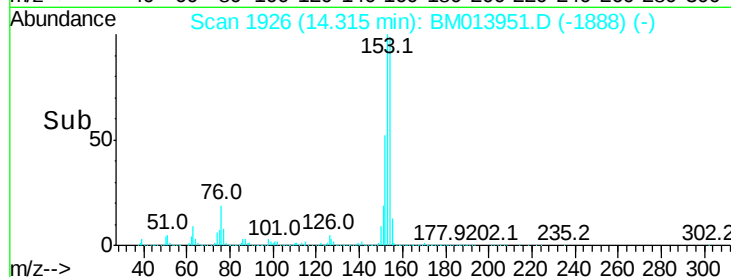
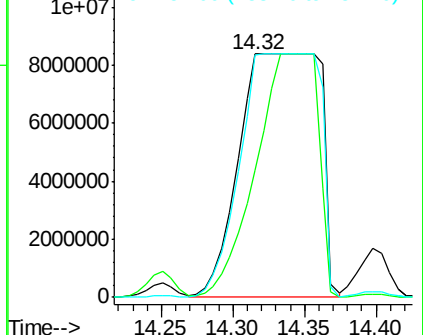
Manual Integrations
APPROVED

Sohil

1/29/2018 6:09:03 PM



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: 538.569 ng/ul m

RT: 14.65 min Scan# 1983

Delta R.T. 0.02 min

Lab File: BM013951.D

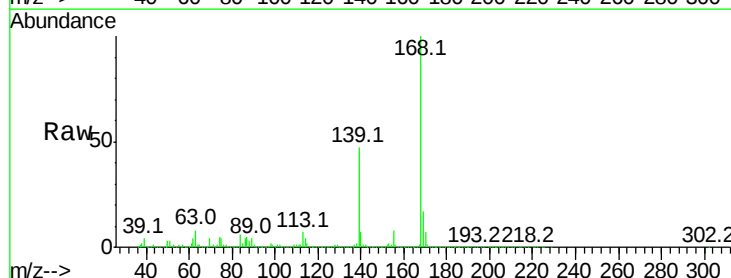
Acq: 29 Jan 2018 08:22

Tgt Ion:168 Resp:27547355

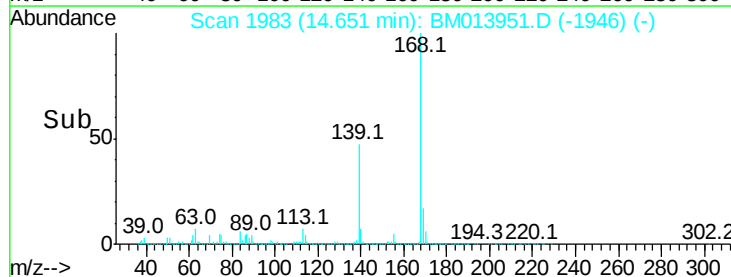
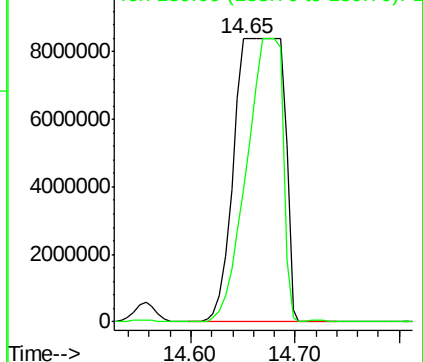
Ion Ratio Lower Upper

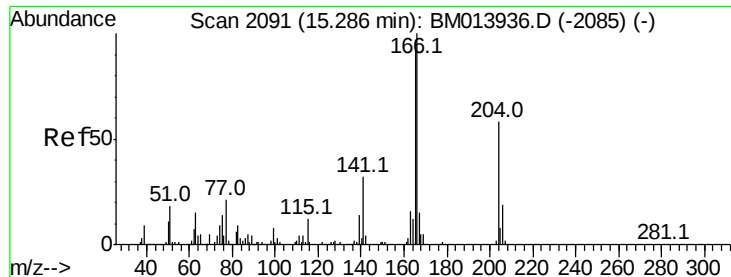
168 100

139 47.0 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: 699.230 ng/ul m

RT: 15.31 min Scan# 2095

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

F6B51

Tot Ion:166 Resp:29296893

Ion Ratio Lower Upper

166 100

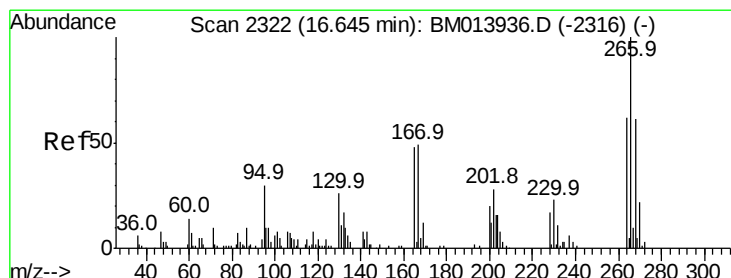
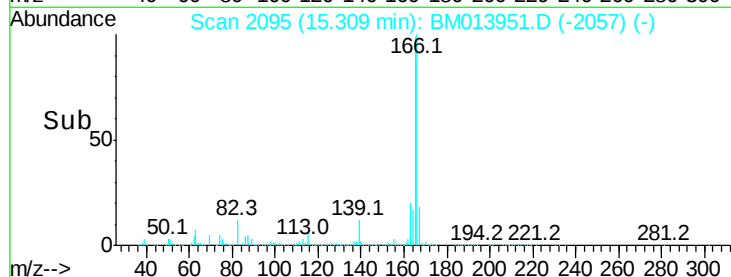
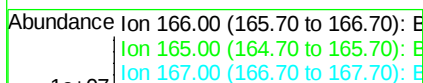
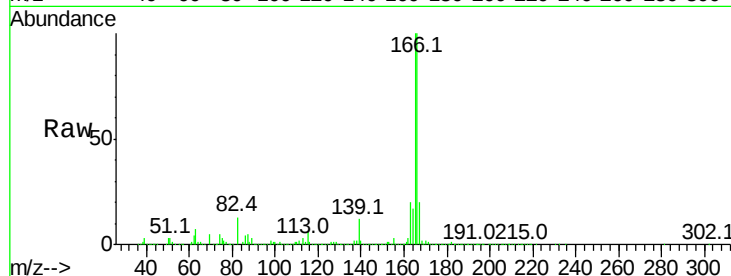
165 100.0 77.9 116.9

167 20.2 10.6 16.0#

Manual Integrations
APPROVED

Sohil

1/29/2018 6:09:03 PM



#68

Pentachlorophenol

Concen: 17.355 ng/ul

RT: 16.70 min Scan# 2332

Delta R.T. 0.06 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

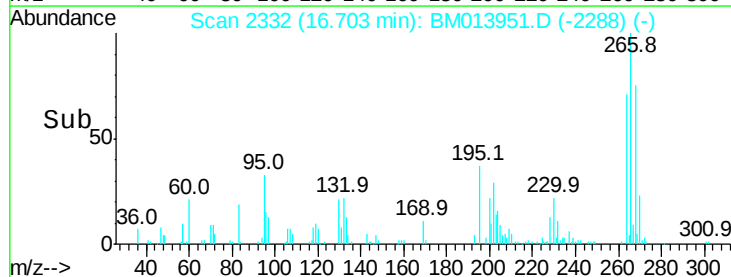
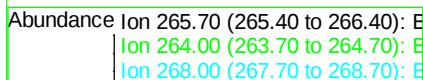
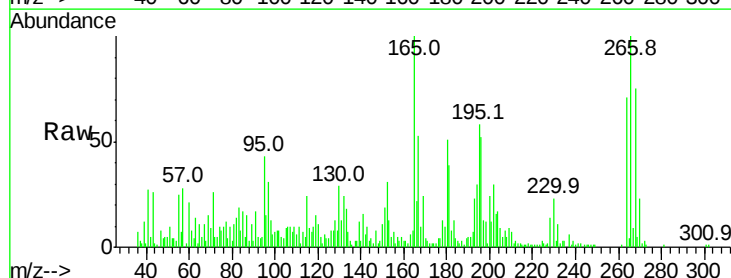
Tgt Ion:266 Resp: 99828

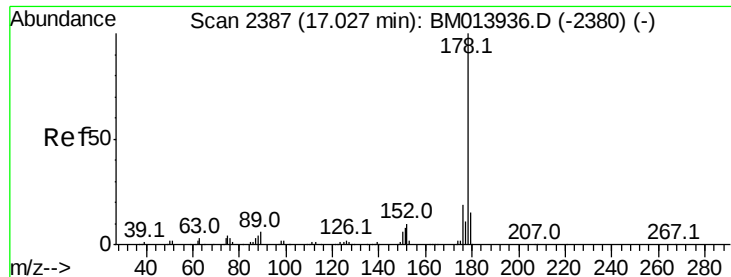
Ion Ratio Lower Upper

266 100

264 71.3 49.3 73.9

268 74.8 52.6 78.8





#69

Phenanthrene

Concen: 1176.614 ng/ul m

RT: 17.04 min Scan# 2390

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

F6B51

Tot Ion:178 Resp:55686536

Ion Ratio Lower Upper

178 100

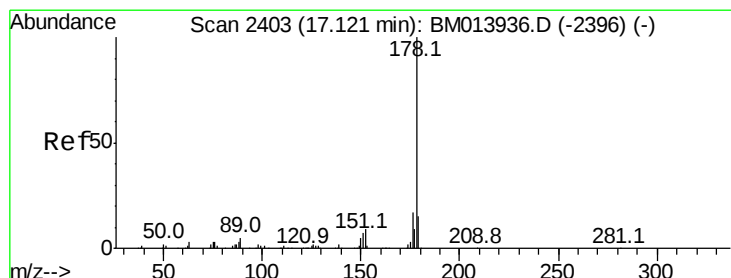
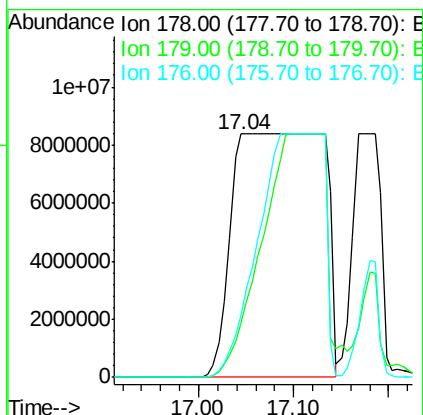
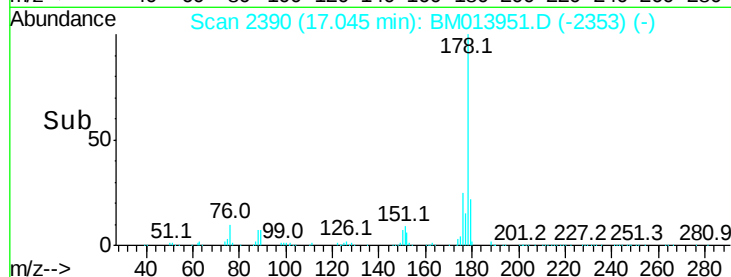
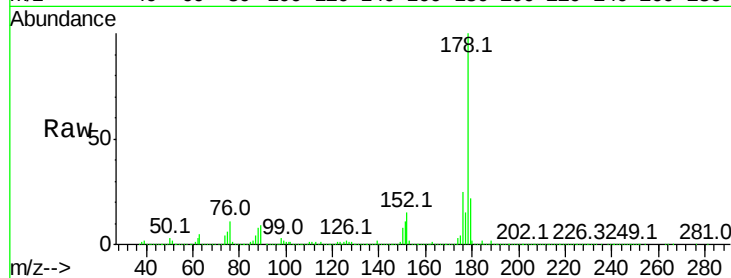
179 22.2 12.6 19.0#

176 25.5 14.9 22.3#

Manual Integrations
APPROVED

Sohil

1/29/2018 6:09:03 PM



#71

Anthracene

Concen: 355.375 ng/ul m

RT: 17.17 min Scan# 2411

Delta R.T. 0.05 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

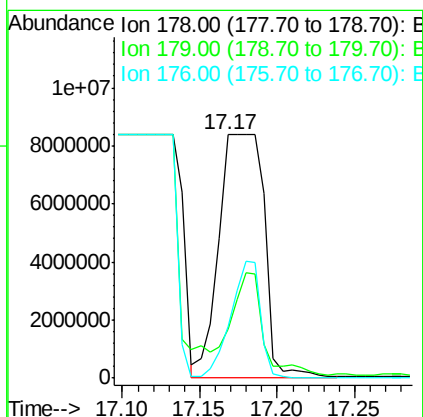
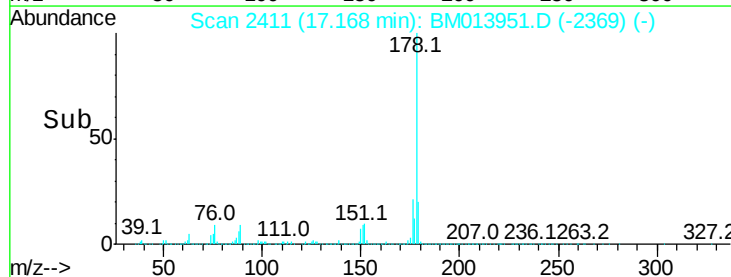
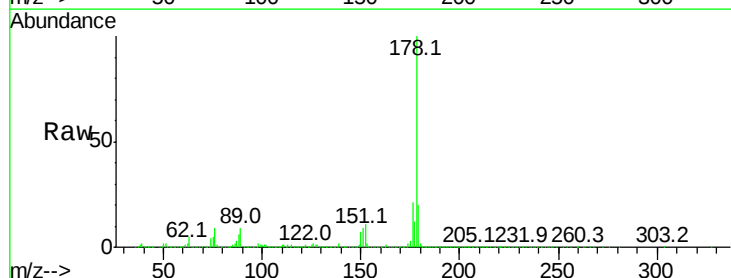
Tgt Ion:178 Resp:17348050

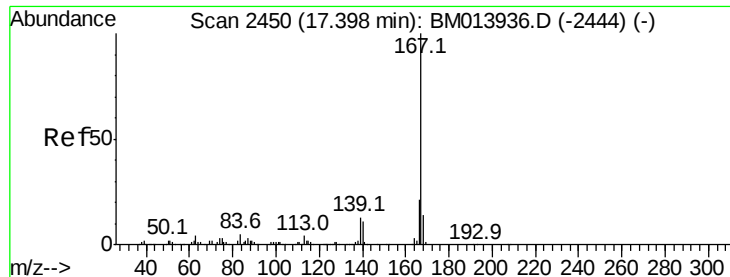
Ion Ratio Lower Upper

178 100

179 20.4 11.7 17.5#

176 21.3 14.6 21.8





#72

Carbazole

Concen: 157.033 ng/ul

RT: 17.42 min Scan# 2454

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampled :

F6B51

Tot Ion:167 Resp: 6327725

Ion Ratio Lower Upper

167 100

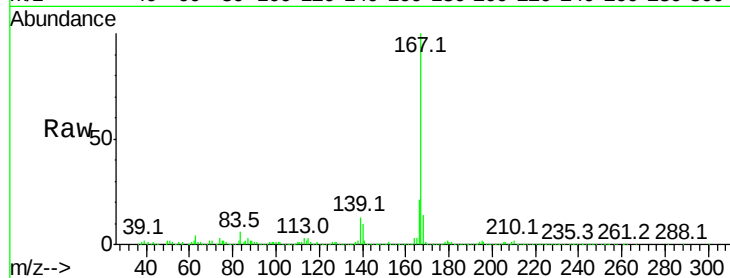
166 21.3 17.1 25.7

139 12.8 10.0 15.0

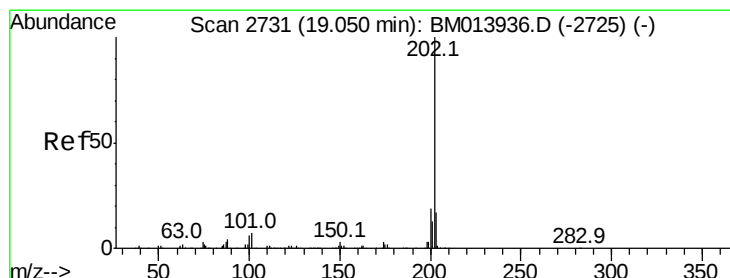
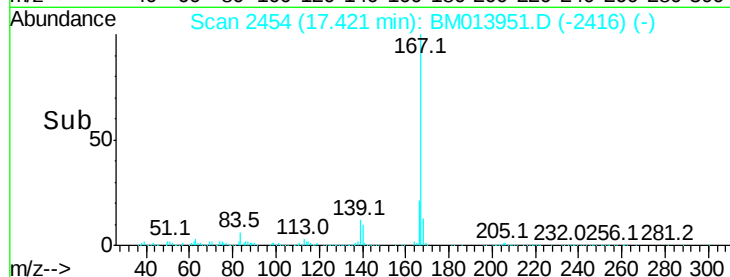
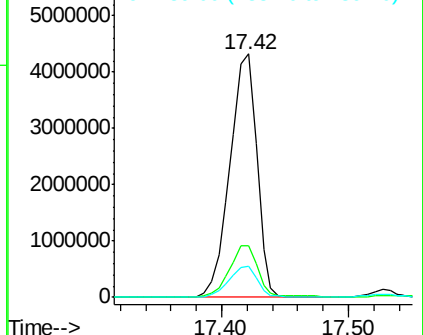
Manual Integrations
APPROVED

Sohil

1/29/2018 6:09:03 PM



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 710.748 ng/ul m

RT: 19.07 min Scan# 2734

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

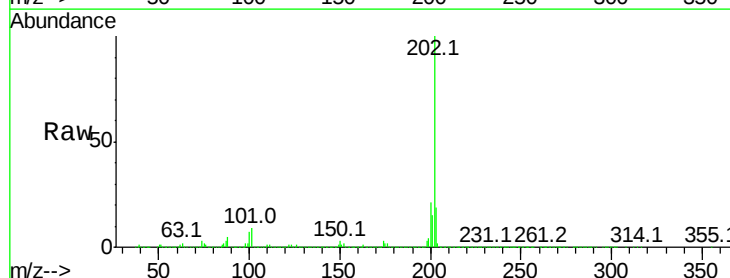
Tgt Ion:202 Resp:40153219

Ion Ratio Lower Upper

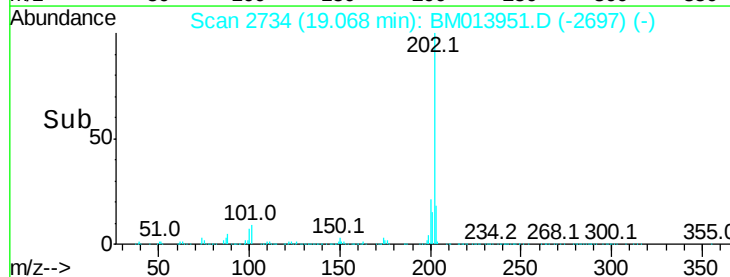
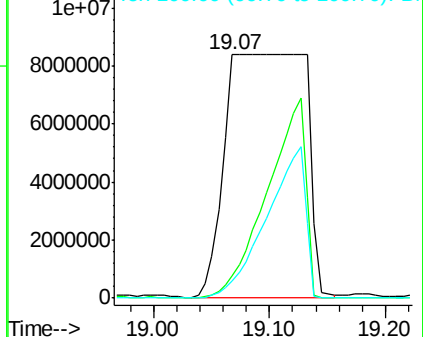
202 100

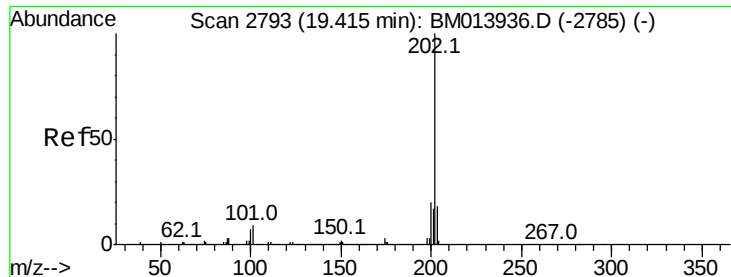
101 9.1 4.6 7.0#

100 6.9 3.4 5.2#



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

Pvrene

Concen: 635.538 ng/ul m

RT: 19.44 min Scan# 2797

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampled :

F6B51

Tot Ion:202 Resp:34696101

Ion Ratio Lower Upper

202 100

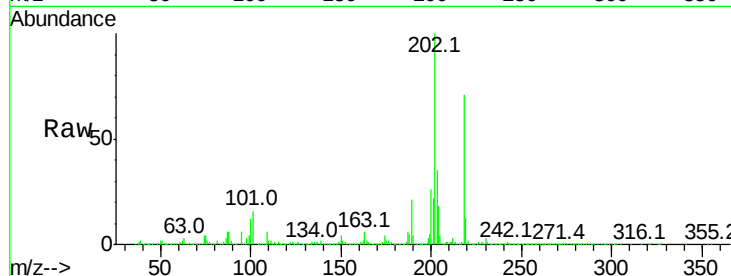
101 16.1 5.1 7.7#

100 12.0 4.9 7.3#

Manual Integrations
APPROVED

Sohil

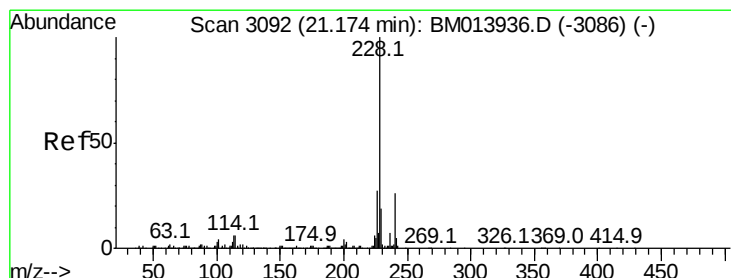
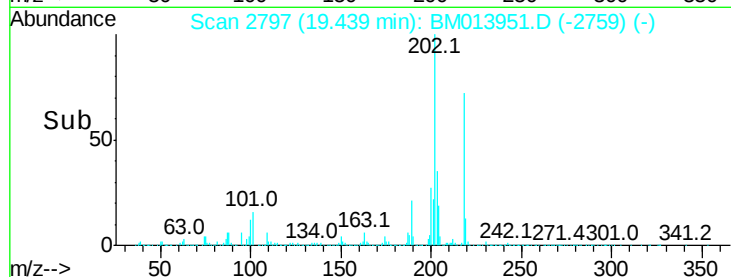
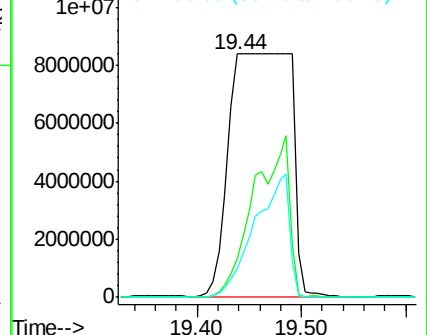
1/29/2018 6:09:03 PM



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): E



#80

Benzo(a)anthracene

Concen: 289.449 ng/ul m

RT: 21.19 min Scan# 3095

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Tgt Ion:228 Resp:15706342

Ion Ratio Lower Upper

228 100

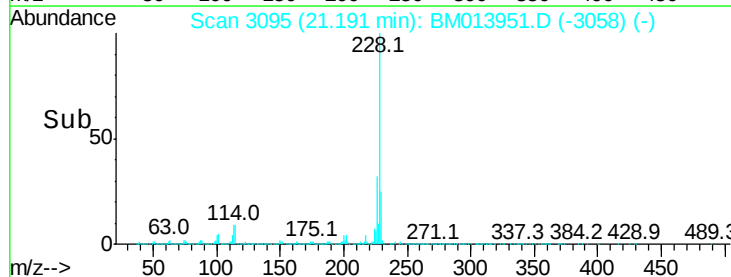
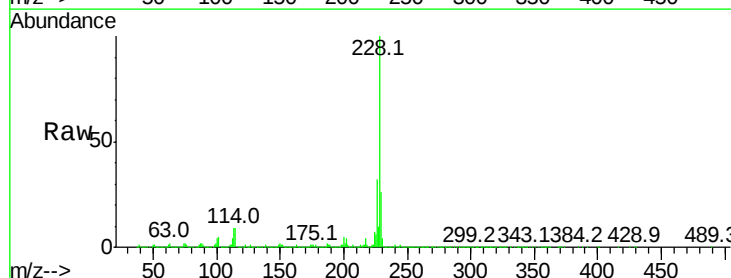
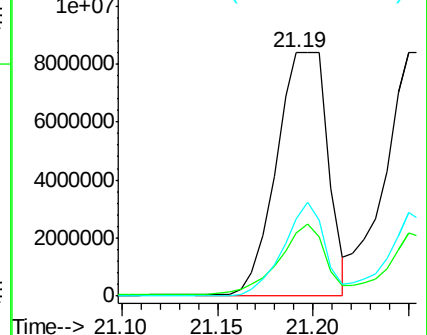
229 25.8 15.4 23.0#

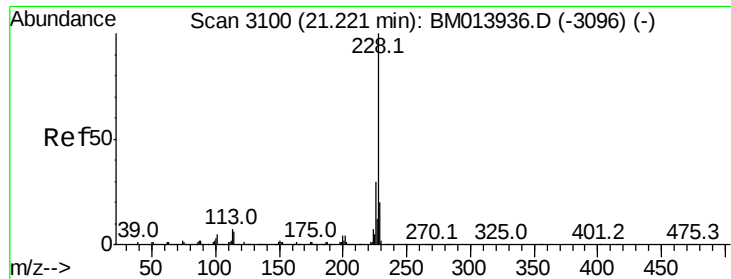
226 31.8 21.4 32.0

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: 259.690 ng/u1

RT: 21.25 min Scan# 3105

Delta R.T. 0.03 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

F6B51

Tot Ion:228 Resp:12927275

Ion Ratio Lower Upper

228 100

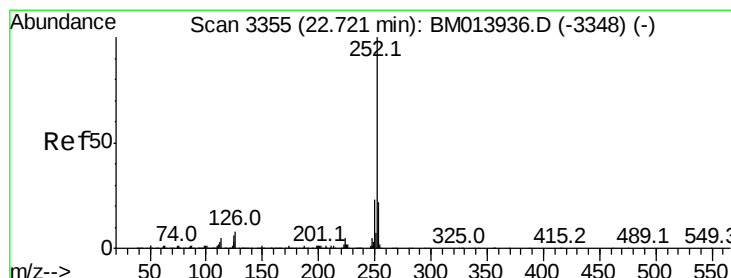
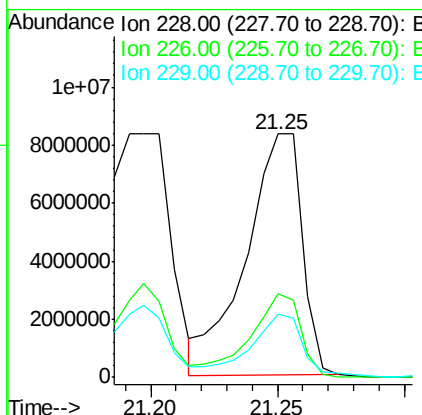
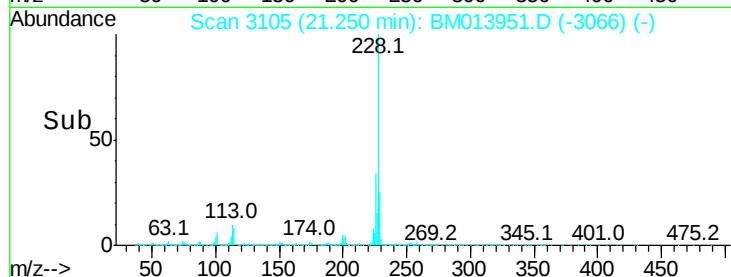
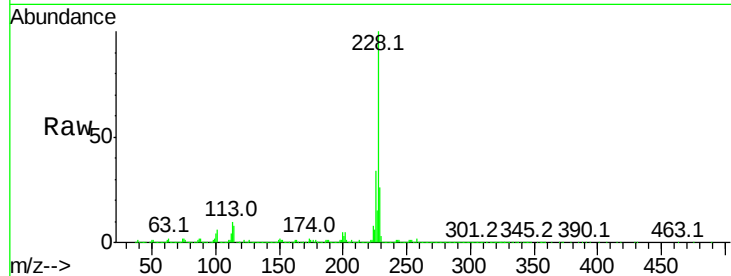
226 34.3 23.4 35.2

229 25.9 15.5 23.3#

Manual Integrations
APPROVED

Sohil

1/29/2018 6:09:03 PM



#85

Benzo(b)fluoranthene

Concen: 159.305 ng/u1

RT: 22.75 min Scan# 3360

Delta R.T. 0.03 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

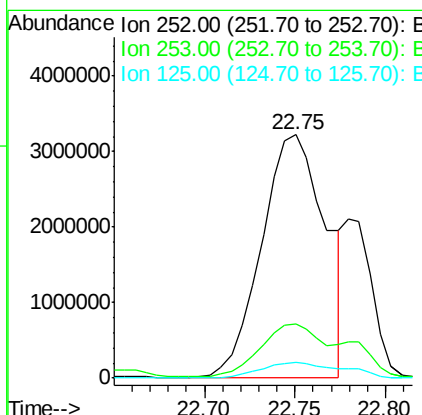
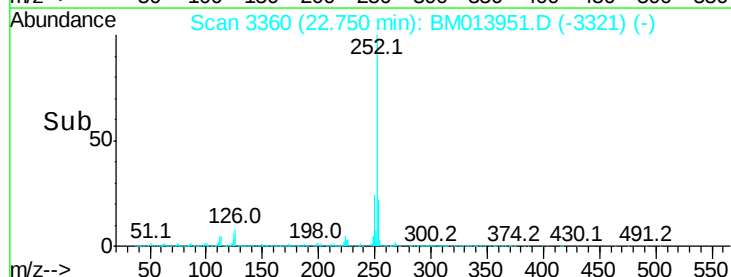
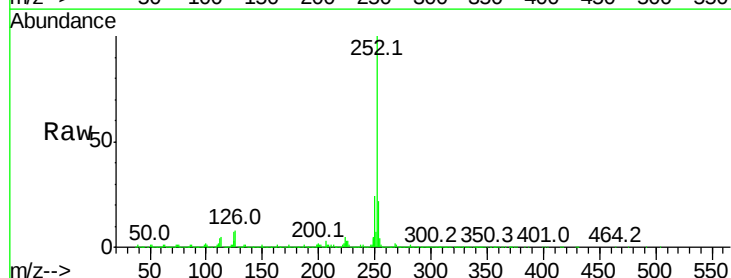
Tgt Ion:252 Resp: 7922238

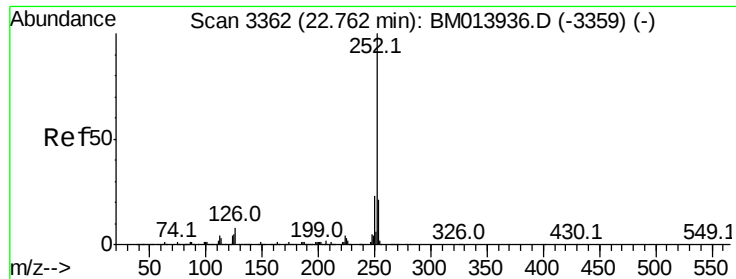
Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 6.5 3.6 5.4#





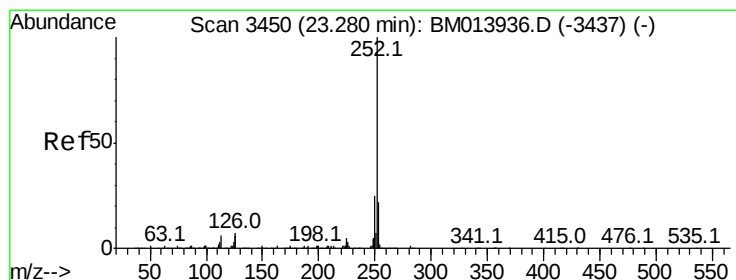
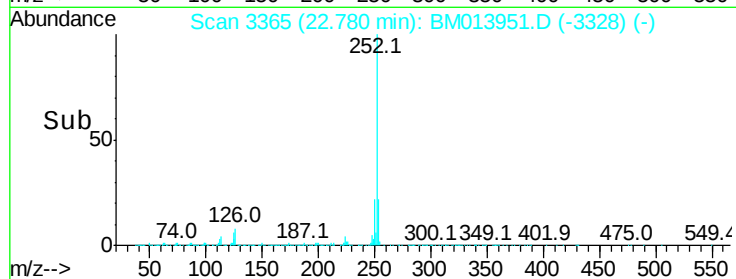
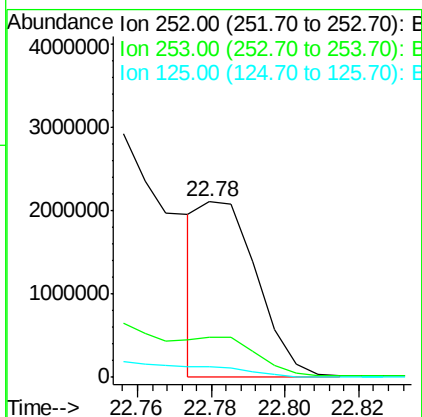
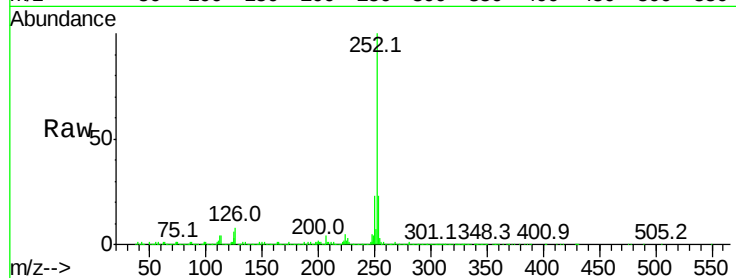
#86
Benzo(k)fluoranthene
Concen: 46.804 ng/ul m
RT: 22.78 min Scan# 3365
Delta R.T. 0.02 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Instrument :
BNA_M
ClientSampleId :
F6B51

Tot Ion:252 Resp: 2249738
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 5.8 3.4 5.2#

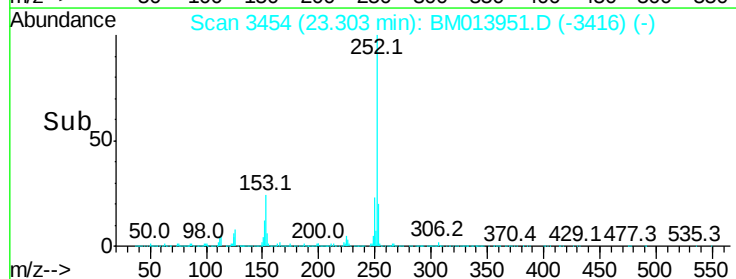
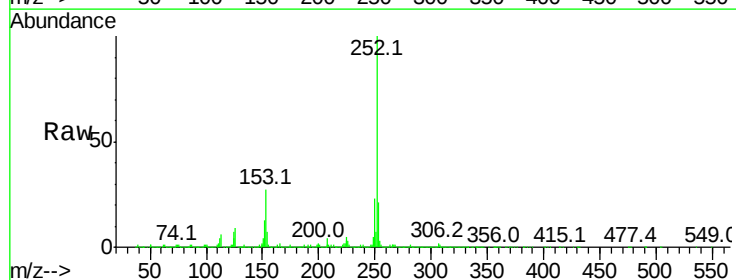
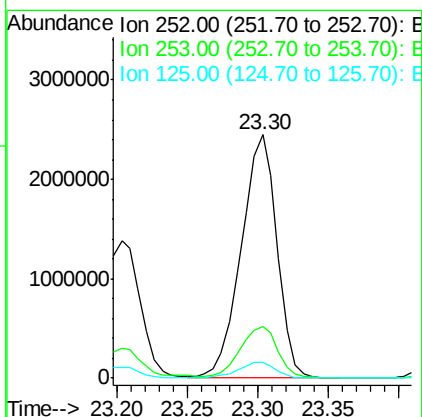
Manual Integrations
APPROVED

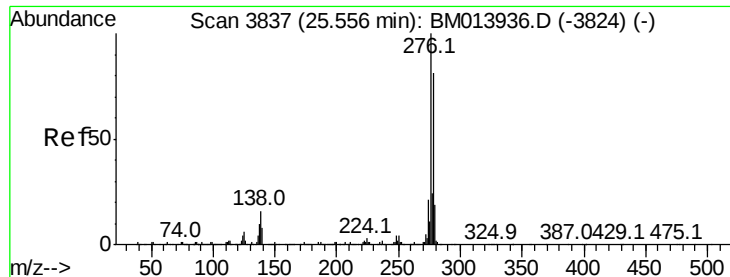
Sohil
1/29/2018 6:09:03 PM



#88
Benzo(a)pyrene
Concen: 91.544 ng/ul
RT: 23.30 min Scan# 3454
Delta R.T. 0.02 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Tgt Ion:252 Resp: 4300605
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.2
125 6.6 4.0 6.0#





#89

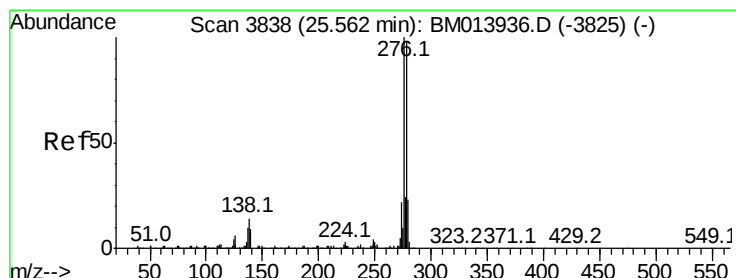
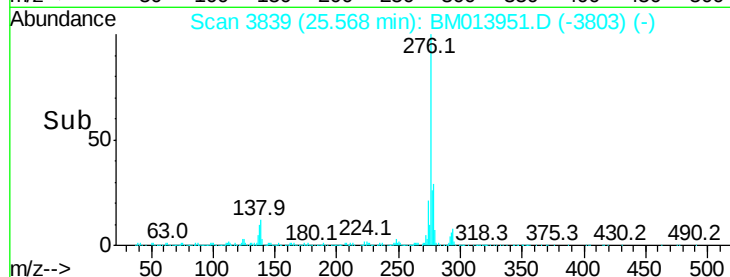
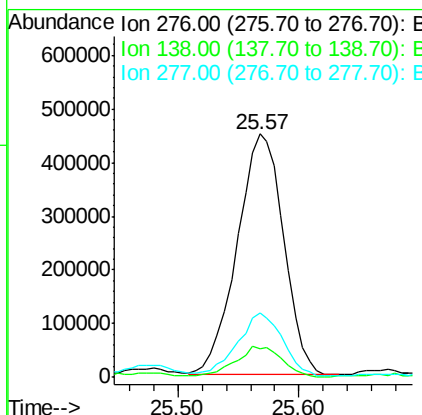
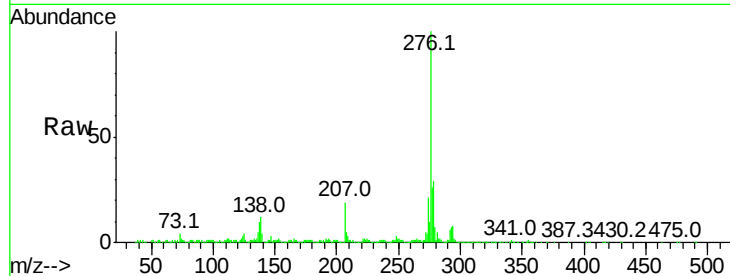
Indeno(1,2,3-cd)pyrene
Concen: 21.667 ng/ul
RT: 25.57 min Scan# 3839
Delta R.T. 0.01 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Instrument :
BNA_M
ClientSampleId :
F6B51

Tot Ion	Ratio	Lower	Upper
276	100		
138	11.6	9.3	13.9
277	26.2	19.9	29.9

Manual Integrations
APPROVED

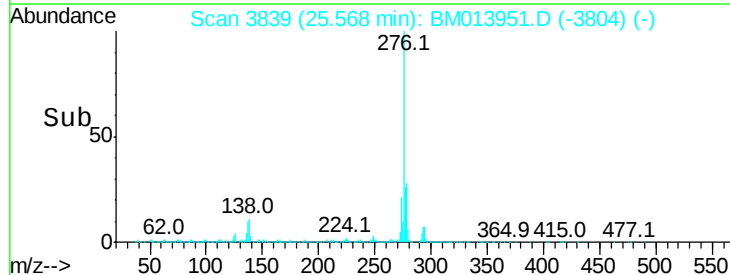
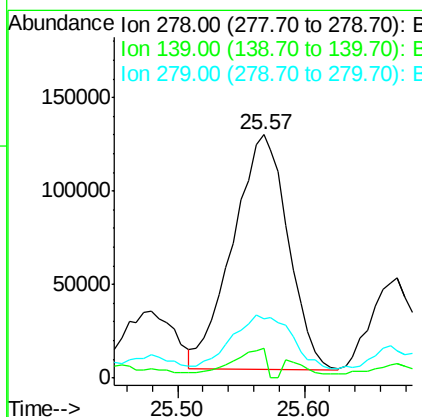
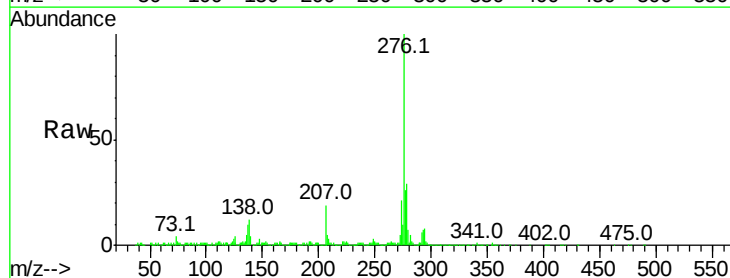
Sohil
1/29/2018 6:09:03 PM

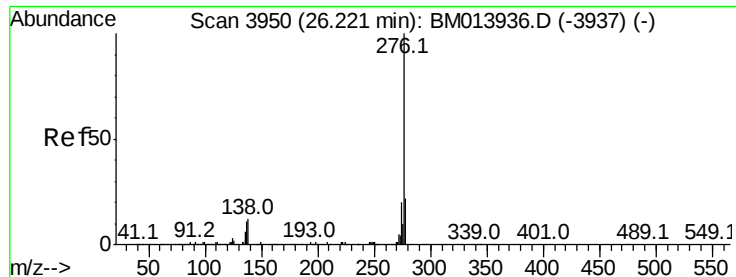


#90

Dibenzo(a,h)anthracene
Concen: 8.116 ng/ul
RT: 25.57 min Scan# 3839
Delta R.T. 0.01 min
Lab File: BM013951.D
Acq: 29 Jan 2018 08:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.3	5.8	8.8#
279	24.6	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 19.309 ng/ul

RT: 26.24 min Scan# 3953

Delta R.T. 0.02 min

Lab File: BM013951.D

Acq: 29 Jan 2018 08:22

Instrument :

BNA_M

ClientSampleId :

F6B51

Tot Ion:	276	Resp:	881308
Ion Ratio	Lower	Upper	
276	100		
138	12.8	8.5	12.7#
277	24.6	18.6	28.0

Manual Integrations
APPROVED

Sohil

1/29/2018 6:09:03 PM

