

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
 Data File : BM013487.D
 Acq On : 16 Dec 2017 21:20
 Operator : SJ/JU
 Sample : I6778-15DL 10X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A80DL

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:11:06 PM

Quant Time: Dec 18 04:01:23 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 03:13:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	217020	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	971339	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	553983	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1238245	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1009384	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	849390	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2451	0.56	ng/uL	0.00
5) Phenol-d5	6.86	99	47962	2.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	31515	2.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	41716	2.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	40987	2.56	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	21313	2.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	22122	2.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	41287	2.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	36305	2.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	141929	2.88	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	170674	2.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	11900	1.39	ng/ul	0.01
57) Fluorene-d10	15.31	176	120650	2.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	5647	0.72	ng/ul	0.00
70) Anthracene-d10	17.16	188	182852	2.95	ng/ul	0.00
76) Pyrene-d10	19.46	212	175716	3.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	119014	2.75	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.50	128	3985410	79.749	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	797336	21.224	ng/ul	96
40) 1,1'-Biphenyl	13.14	154	195837	4.183	ng/ul	98
47) Acenaphthylene	14.03	152	101888	1.810	ng/ul#	92
49) Acenaphthene	14.38	153	759496	19.804	ng/ul	99
53) Dibenzofuran	14.72	168	859425	15.180	ng/ul	99
58) Fluorene	15.37	166	887999	18.960	ng/ul	99
69) Phenanthrene	17.11	178	4092422	58.175	ng/ul	99
71) Anthracene	17.20	178	545216	7.582	ng/ul	99
72) Carbazole	17.47	167	396635	6.413	ng/ul	100
74) Fluoranthene	19.13	202	1845509	21.408	ng/ul#	91
77) Pyrene	19.49	202	1196598	19.513	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	282734	4.415	ng/ul	99
82) Chrysene	21.29	228	227709	3.832	ng/ul	99
85) Benzo(b)fluoranthene	22.81	252	154631m	2.701	ng/ul	
88) Benzo(a)pyrene	23.38	252	96278	1.872	ng/ul#	99

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

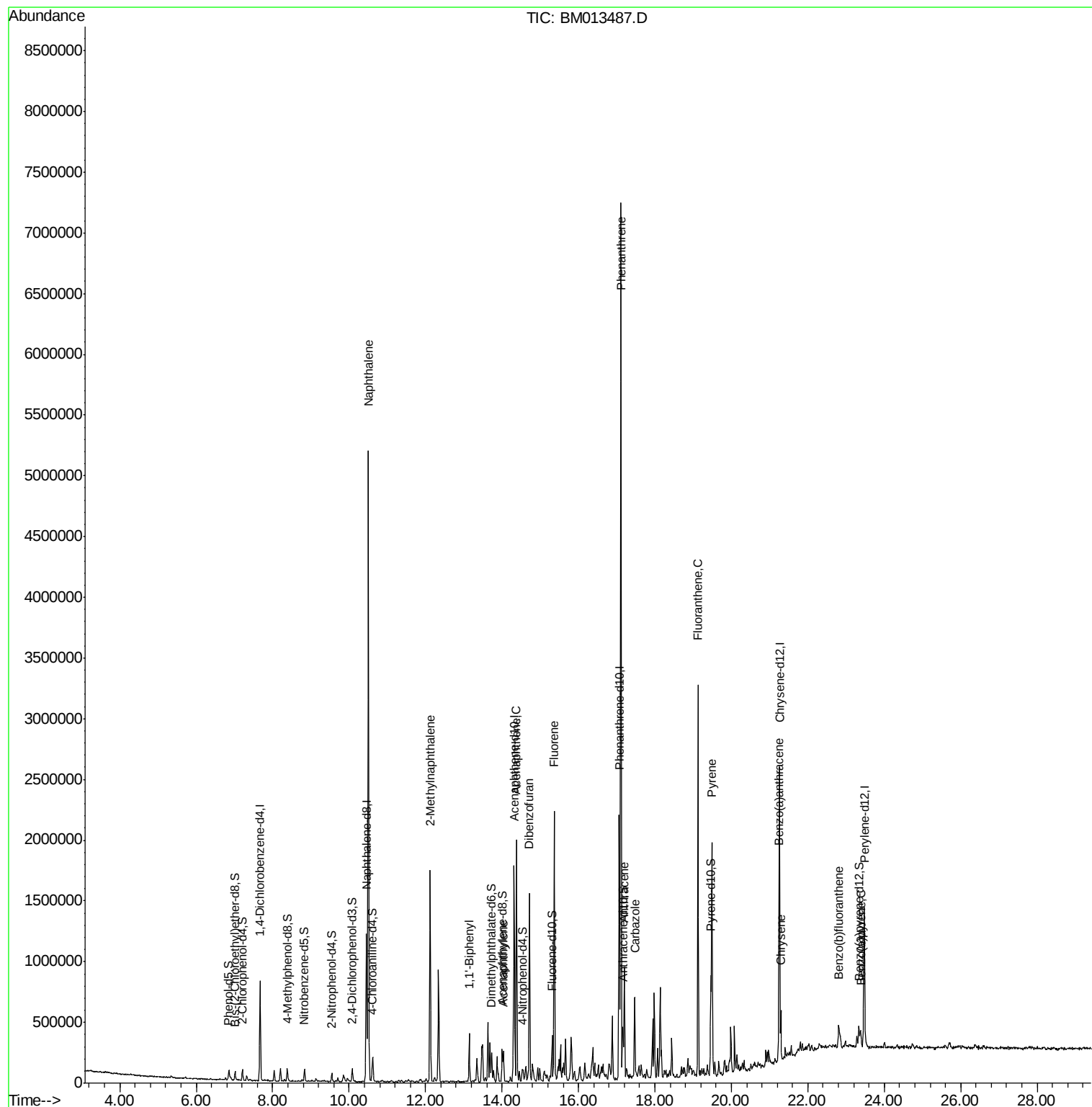
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013487.D
Acq On : 16 Dec 2017 21:20
Operator : SJ/JU
Sample : I6778-15DL 10X
Misc :
ALS Vial : 44 Sample Multiplier: 1

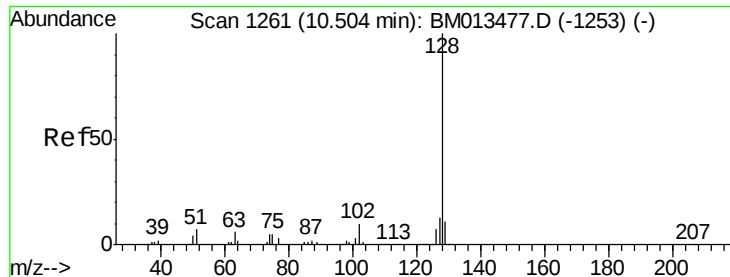
Instrument :
BNA_M
ClientSampleId :
F9A80DL

Manual Integrations
APPROVED

Sohil
12/18/2017 2:11:06 PM

Quant Time: Dec 18 04:01:23 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration





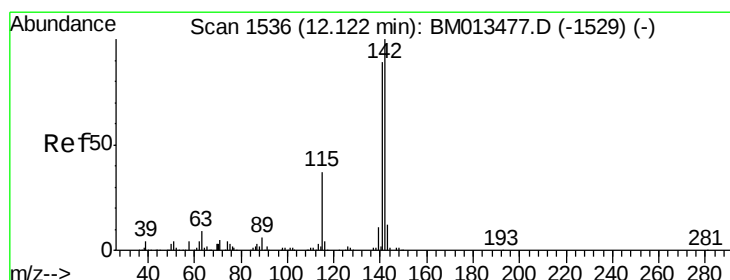
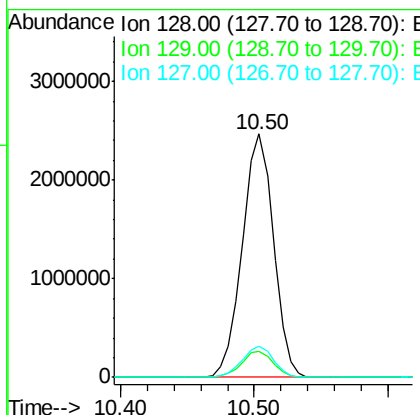
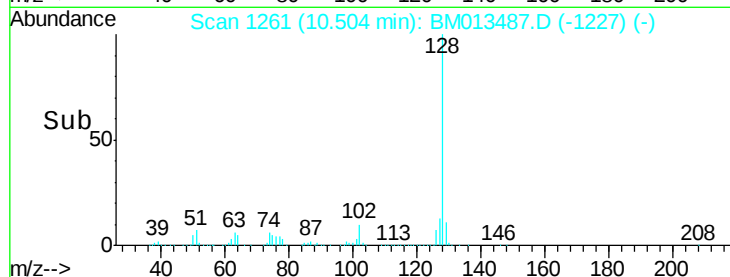
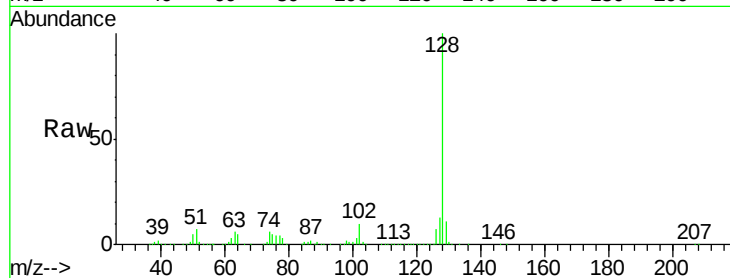
#28
Naphthalene
Concen: 79.749 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BM013487.D
Acq: 16 Dec 2017 21:20

Instrument :
BNA_M
ClientSampleId :
F9A80DL

Tgt Ion:128 Resp: 3985410
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.6 10.6 16.0

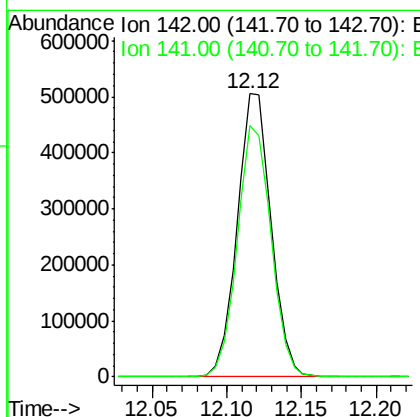
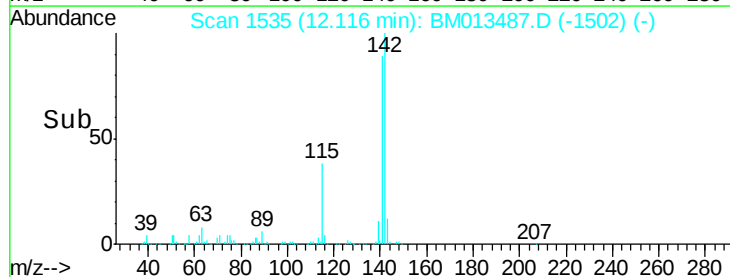
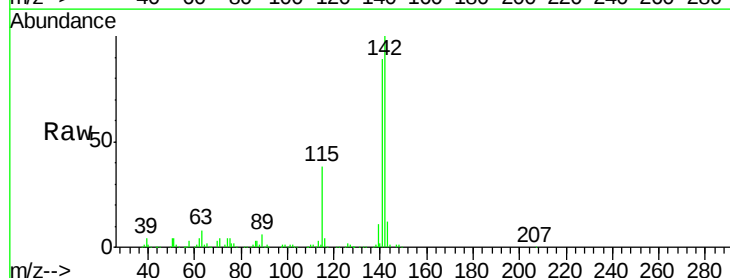
Manual Integrations
APPROVED

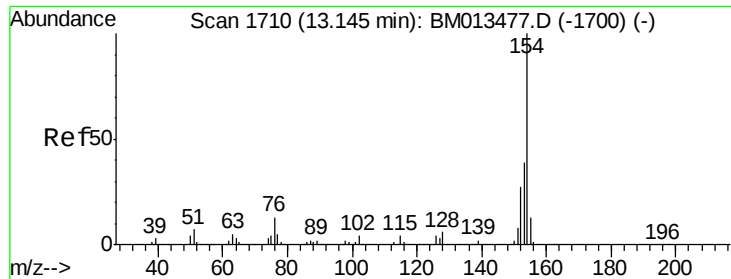
Sohil
12/18/2017 2:11:06 PM



#34
2-Methylnaphthalene
Concen: 21.224 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BM013487.D
Acq: 16 Dec 2017 21:20

Tgt Ion:142 Resp: 797336
Ion Ratio Lower Upper
142 100
141 88.8 74.1 111.1





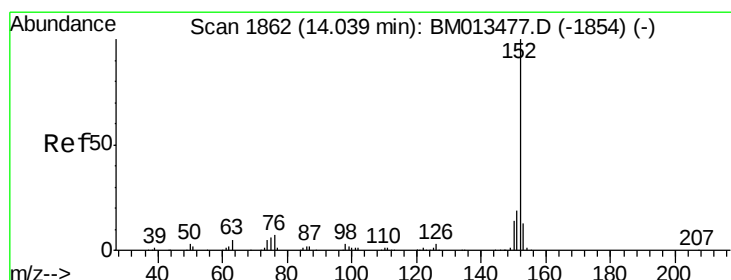
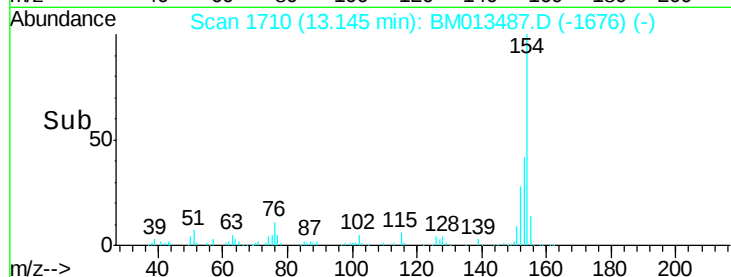
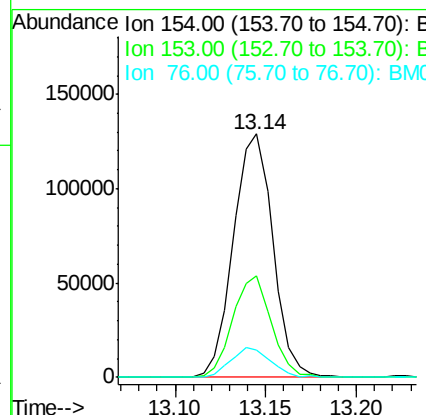
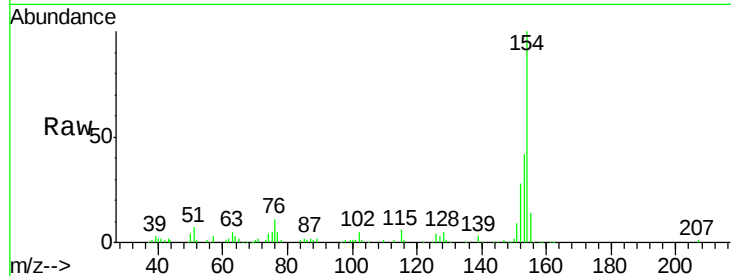
#40
 1,1'-Biphenyl
 Concen: 4.183 ng/ul
 RT: 13.14 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BM013487.D
 Acq: 16 Dec 2017 21:20

Instrument :
 BNA_M
 ClientSampleId :
 F9A80DL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	195837		
153	41.6	32.6	48.8	
76	11.5	8.5	12.7	

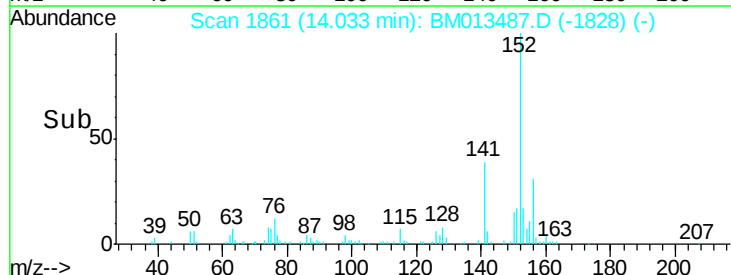
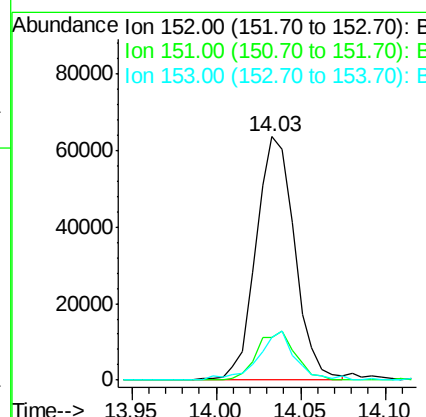
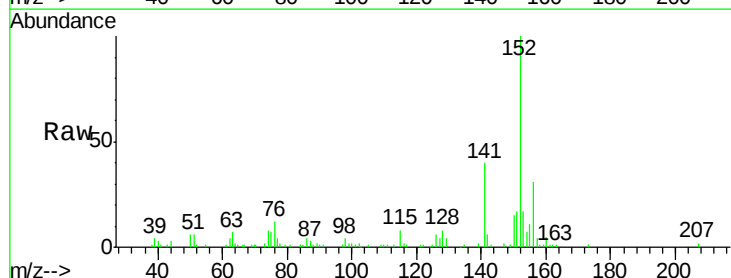
Manual Integrations
 APPROVED

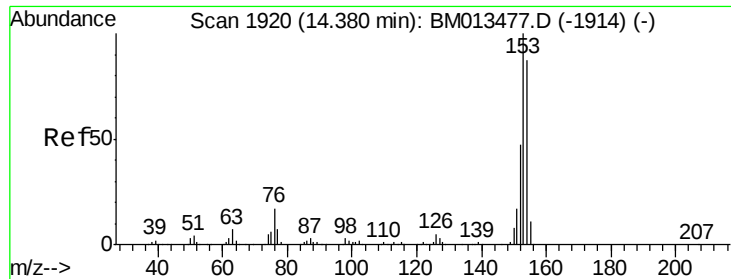
Sohil
 12/18/2017 2:11:06 PM



#47
 Acenaphthylene
 Concen: 1.810 ng/ul
 RT: 14.03 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: BM013487.D
 Acq: 16 Dec 2017 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	101888		
151	17.4	16.3	24.5	
153	17.3	10.2	15.4	





#49

Acenaphthene

Concen: 19.804 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

ClientSampleId :

F9A80DL

Tgt Ion:153 Resp: 759496

Ion Ratio Lower Upper

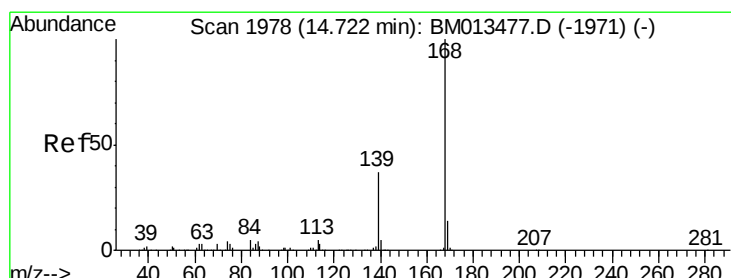
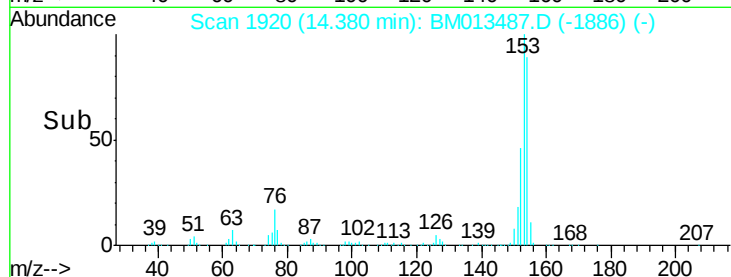
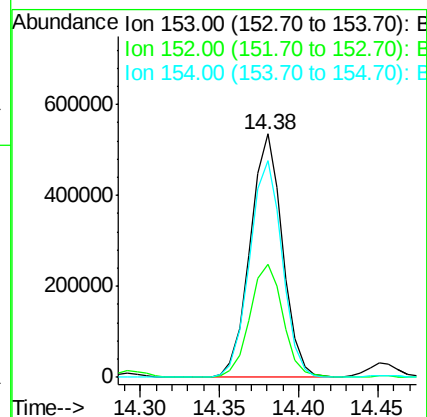
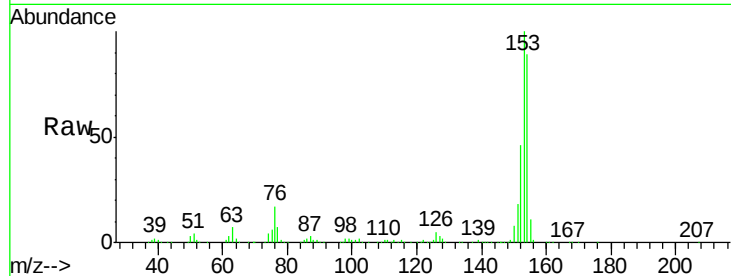
153 100

152 46.4 37.6 56.4

154 89.3 70.4 105.6

Manual Integrations
APPROVED

Sohil
12/18/2017 2:11:06 PM



#53

Dibenzofuran

Concen: 15.180 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM013487.D

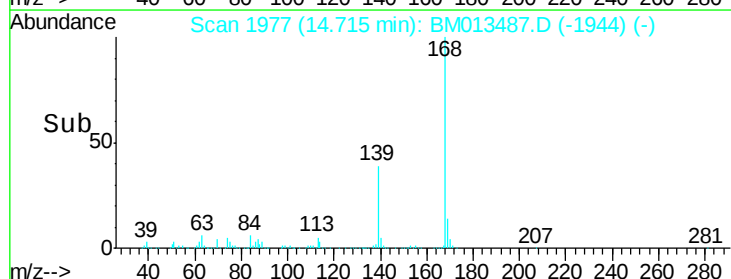
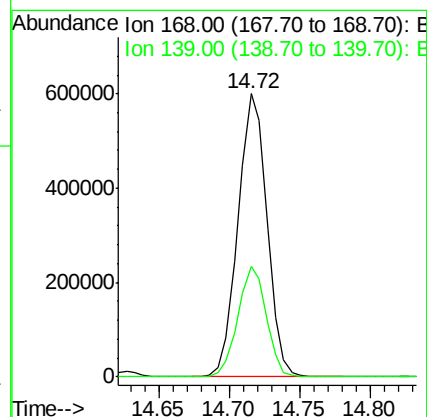
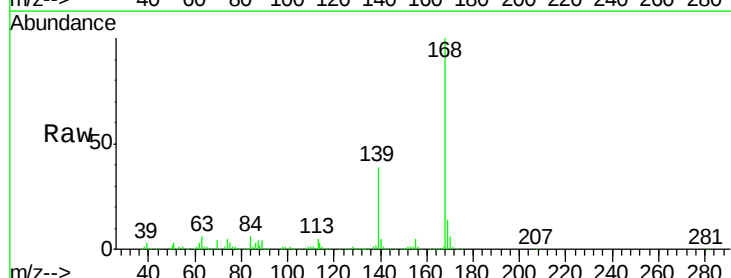
Acq: 16 Dec 2017 21:20

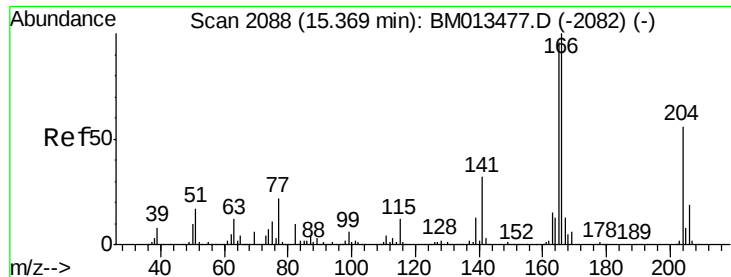
Tgt Ion:168 Resp: 859425

Ion Ratio Lower Upper

168 100

139 38.9 30.8 46.2





#58

Fluorene

Concen: 18.960 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

ClientSampleId :

F9A80DL

Tgt Ion:166 Resp: 887999

Ion Ratio Lower Upper

166 100

165 96.6 77.9 116.9

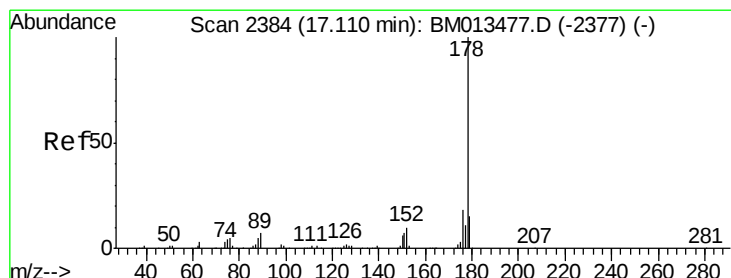
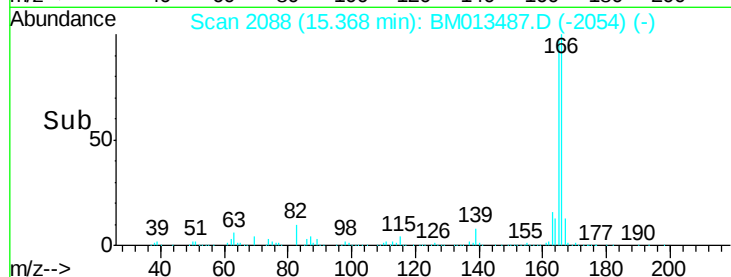
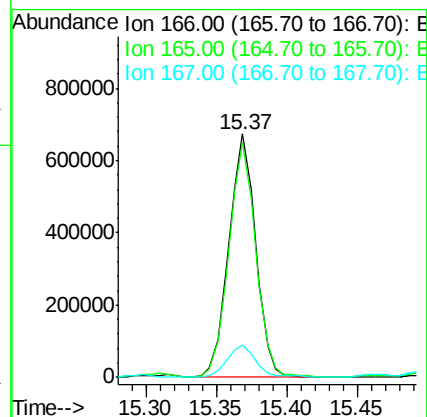
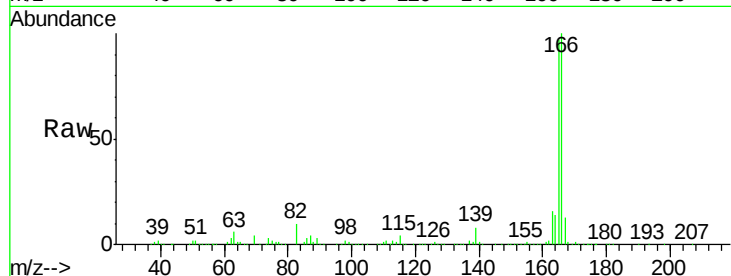
167 13.2 10.6 16.0

Manual Integrations

APPROVED

Sohil

12/18/2017 2:11:06 PM



#69

Phenanthrene

Concen: 58.175 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

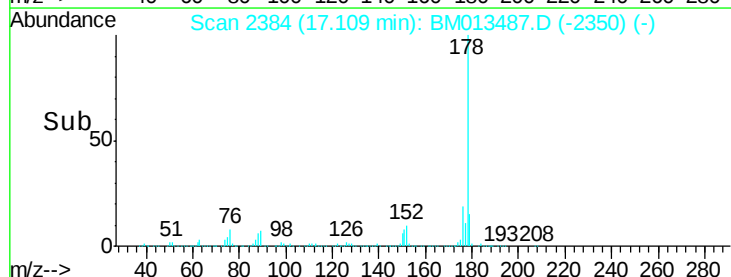
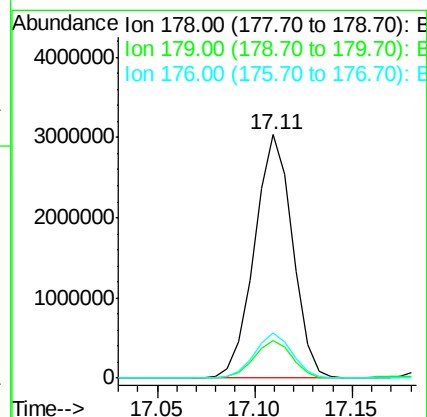
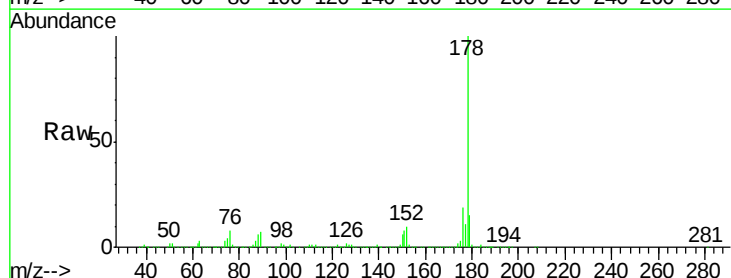
Tgt Ion:178 Resp: 4092422

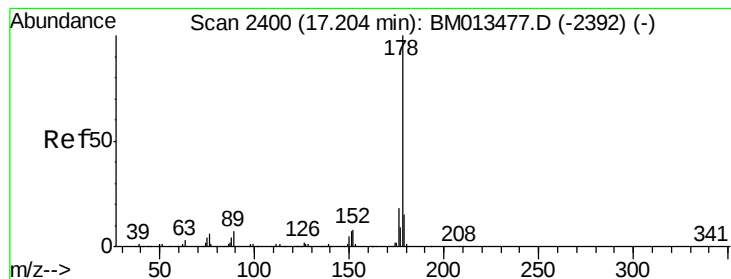
Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

176 18.6 14.9 22.3





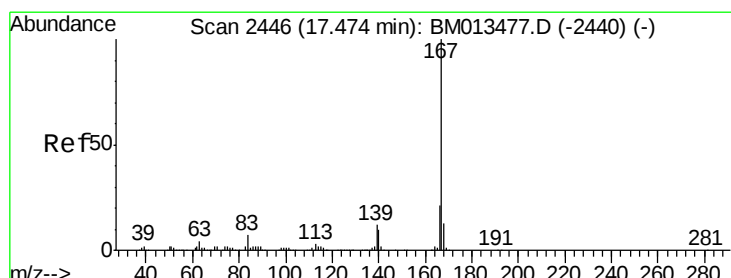
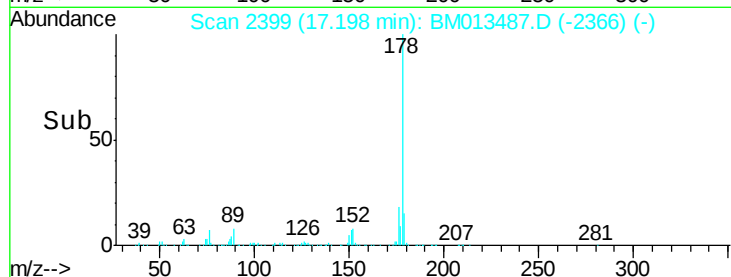
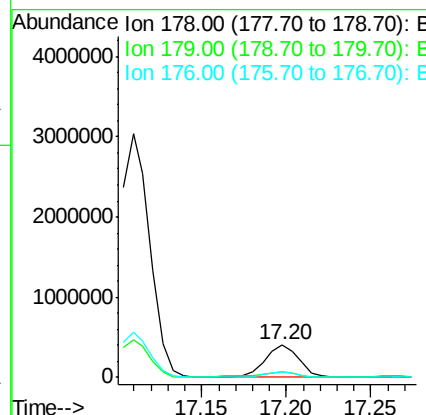
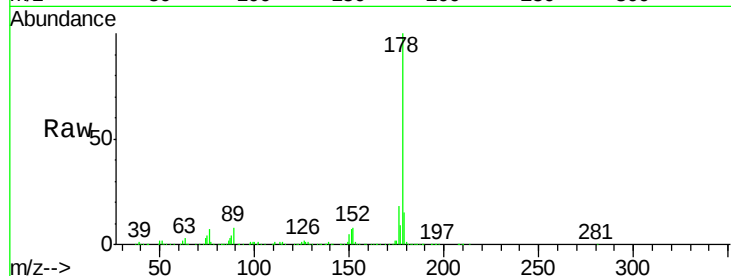
#71
 Anthracene
 Concen: 7.582 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM013487.D
 Acq: 16 Dec 2017 21:20

Instrument :
 BNA_M
 ClientSampleId :
 F9A80DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.7	17.5
176	17.8	14.6	21.8

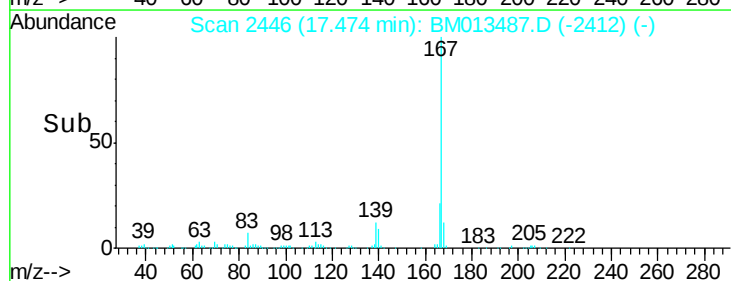
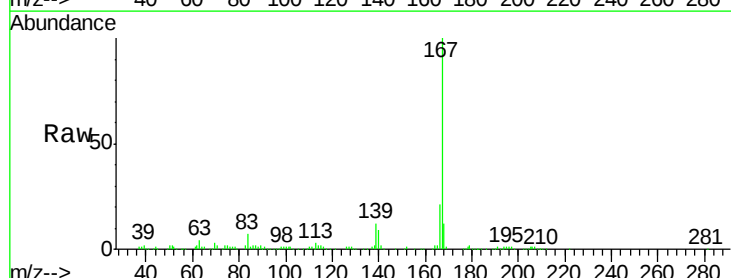
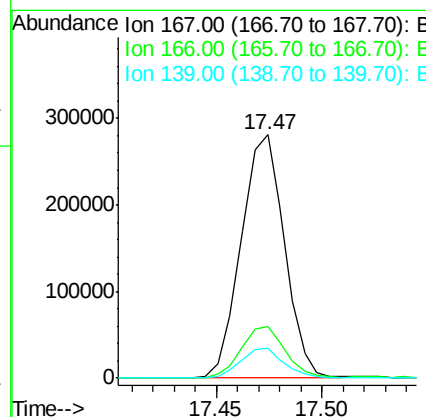
Manual Integrations
 APPROVED

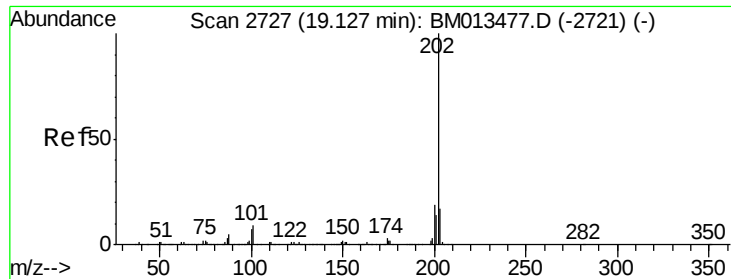
Sohil
 12/18/2017 2:11:06 PM



#72
 Carbazole
 Concen: 6.413 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013487.D
 Acq: 16 Dec 2017 21:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.2	10.0	15.0





#74

Fluoranthene

Concen: 21.408 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

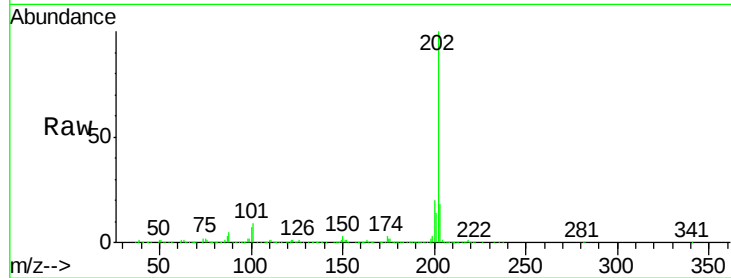
ClientSampleId :

F9A80DL

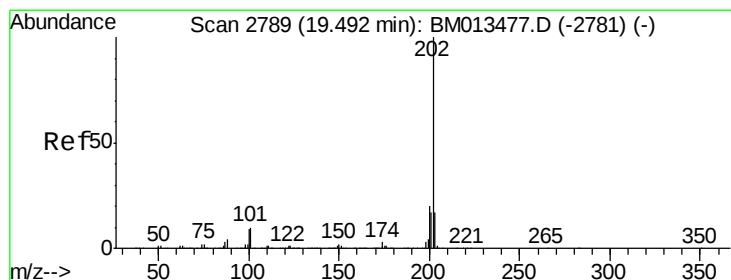
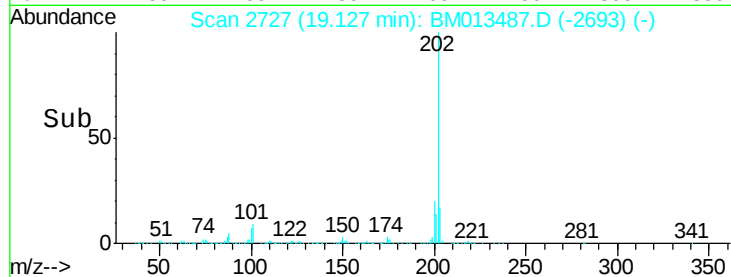
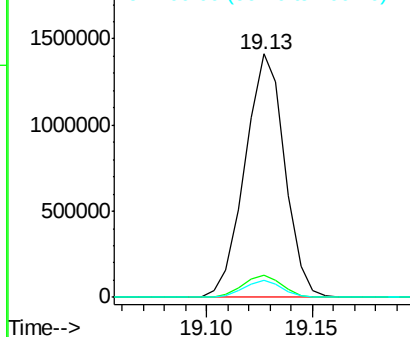
Tgt Ion:	202	Resp:	1845509
Ion Ratio	Lower	Upper	
202	100		
101	9.0	4.6	7.0#
100	6.9	3.4	5.2#

Manual Integrations
APPROVED

Sohil
12/18/2017 2:11:06 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): B



#77

Pyrene

Concen: 19.513 ng/ul

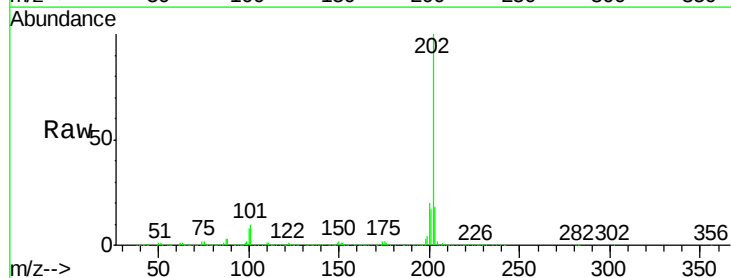
RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

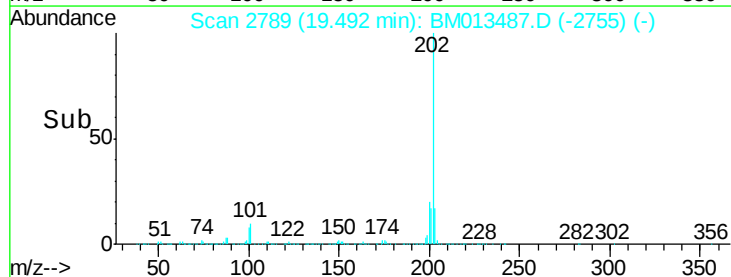
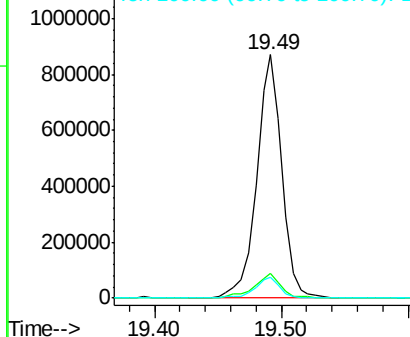
Lab File: BM013487.D

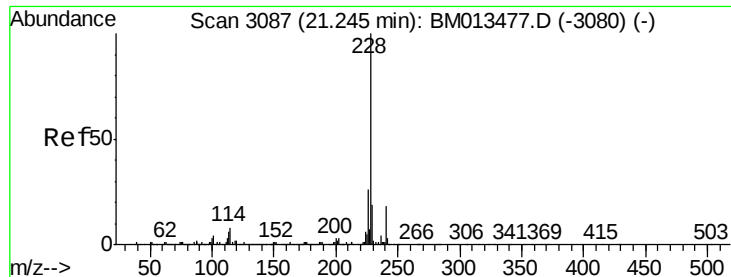
Acq: 16 Dec 2017 21:20

Tgt Ion:	202	Resp:	1196598
Ion Ratio	Lower	Upper	
202	100		
101	10.4	5.1	7.7#
100	8.4	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: 4.415 ng/ul

RT: 21.24 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Instrument :

BNA_M

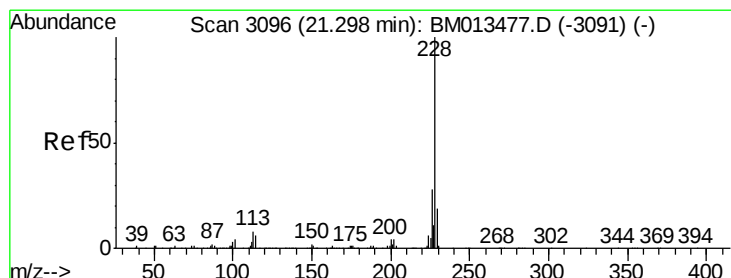
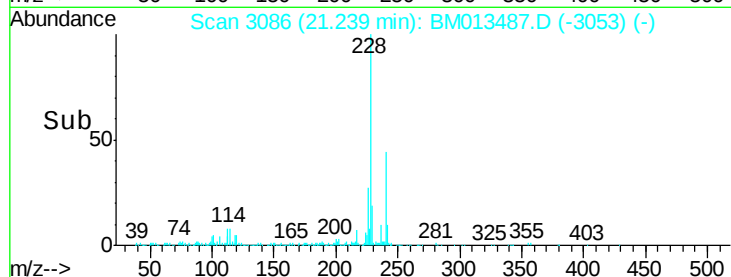
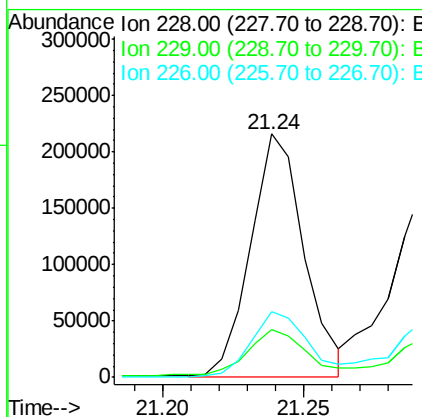
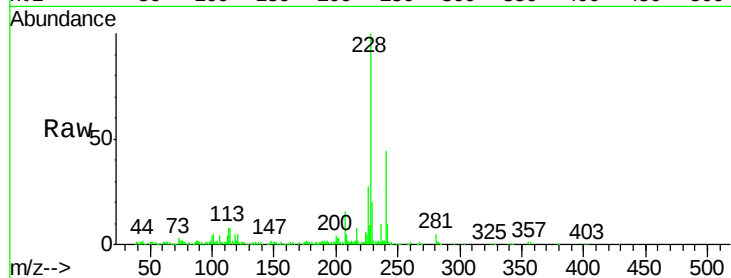
ClientSampled :

F9A80DL

Tgt Ion:	228	Resp:	282734
Ion Ratio	Lower	Upper	
228	100		
229	19.7	15.4	23.0
226	27.2	21.4	32.0

Manual Integrations
APPROVED

Sohil
12/18/2017 2:11:06 PM



#82

Chrysene

Concen: 3.832 ng/ul

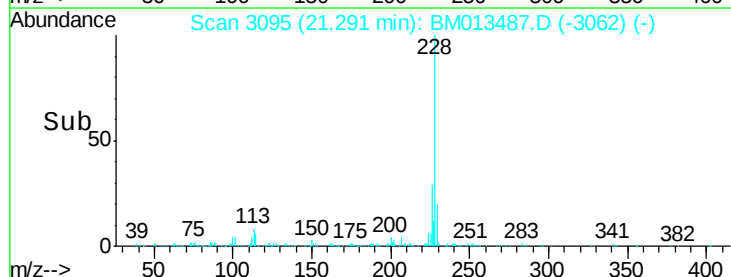
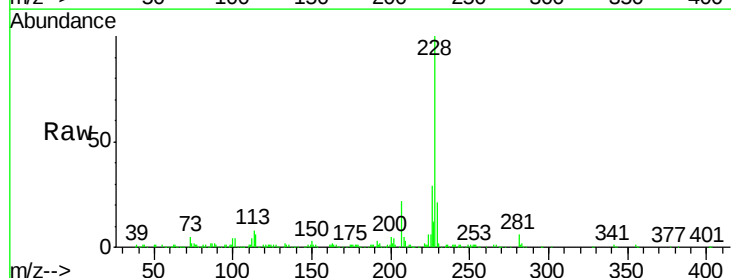
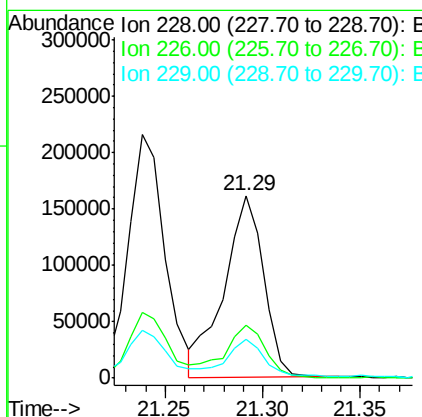
RT: 21.29 min Scan# 3095

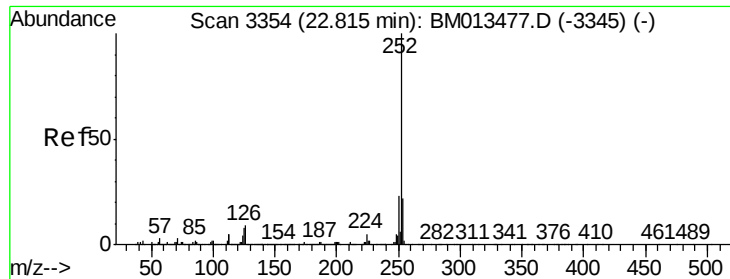
Delta R.T. -0.01 min

Lab File: BM013487.D

Acq: 16 Dec 2017 21:20

Tgt Ion:	228	Resp:	227709
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.4	35.2
229	20.9	15.5	23.3





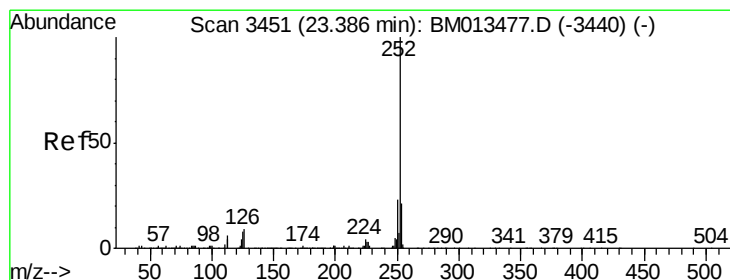
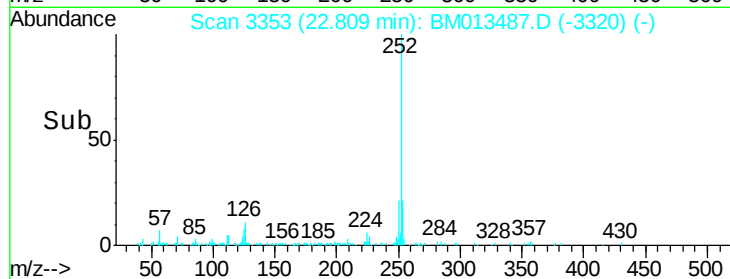
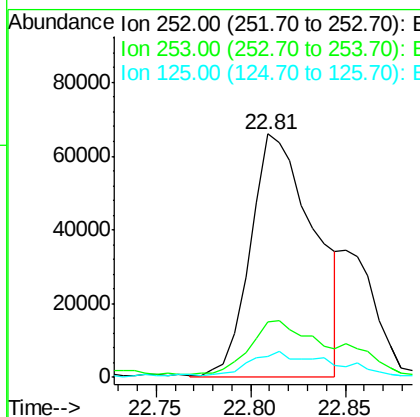
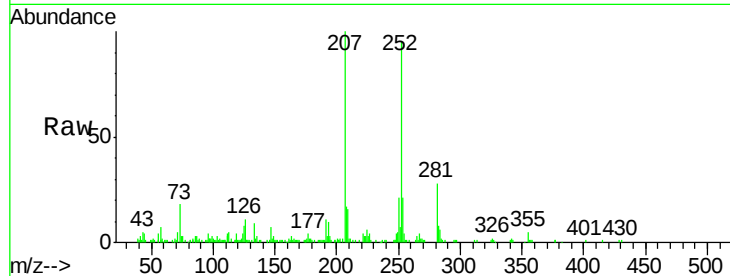
#85
Benzo(b)fluoranthene
Concen: 2.701 ng/ul m
RT: 22.81 min Scan# 3353
Delta R.T. -0.01 min
Lab File: BM013487.D
Acq: 16 Dec 2017 21:20

Instrument :
BNA_M
ClientSampleId :
F9A80DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	17.9	26.9
125	8.4	3.6	5.4

Manual Integrations
APPROVED

Sohil
12/18/2017 2:11:06 PM



#88
Benzo(a)pyrene
Concen: 1.872 ng/ul
RT: 23.38 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM013487.D
Acq: 16 Dec 2017 21:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.9	18.2	27.2
125	7.2	4.0	6.0

