

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
 Data File : BM013992.D
 Acq On : 30 Jan 2018 11:54
 Operator : SJ/JU
 Sample : J1243-08DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B31DL

Manual Integrations
 APPROVED

Sohil
 1/30/2018 3:35:10 PM

Quant Time: Jan 30 13:52:23 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 30 07:49:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	98265	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	400674	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	253709	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	626927	20.00	ng/ul	0.00
75) Chrysene-d12	21.18	240	807473	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	790092	20.00	ng/ul	0.00

Sohil
 1/30/2018 3:35:10 PM

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.14	96	1917	0.77	ng/uL	0.01
5) Phenol-d5	6.76	99	36020m	4.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	19778	4.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	31645m	5.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	29892	5.15	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	14731	4.74	ng/ul	0.01
22) 2-Nitrophenol-d4	9.46	143	15329	4.67	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.00	165	34569m	5.45	ng/ul	0.02
29) 4-Chloroaniline-d4	10.51	131	29488	5.36	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	124314	5.95	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	151355	5.68	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	8713m	2.56	ng/ul	0.04
57) Fluorene-d10	15.22	176	115119	6.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	12897	3.42	ng/ul	0.01
70) Anthracene-d10	17.07	188	183922	6.02	ng/ul	0.00
76) Pyrene-d10	19.38	212	242038	6.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	240928m	6.63	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.39	128	211554	10.613	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	137166	9.230	ng/ul	100
44) Dimethylphthalate	13.69	163	24308	1.182	ng/ul	98
49) Acenaphthene	14.29	153	86956	5.146	ng/ul	98
53) Dibenzofuran	14.63	168	323971	12.745	ng/ul	97
58) Fluorene	15.28	166	87677	4.211	ng/ul#	98
68) Pentachlorophenol	16.64	266	102446	24.188	ng/ul	94
69) Phenanthrene	17.02	178	1528318	43.856	ng/ul	99
71) Anthracene	17.11	178	191649m	5.332	ng/ul	
72) Carbazole	17.39	167	105623	3.560	ng/ul#	97
74) Fluoranthene	19.04	202	1327662	31.917	ng/ul#	96
77) Pyrene	19.41	202	976377	19.890	ng/ul	97
80) Benzo(a)anthracene	21.17	228	170148	3.487	ng/ul	99
82) Chrysene	21.22	228	144400	3.226	ng/ul	99
85) Benzo(b)fluoranthene	22.71	252	101533	2.093	ng/ul#	95
88) Benzo(a)pyrene	23.27	252	46337	1.011	ng/ul	94

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

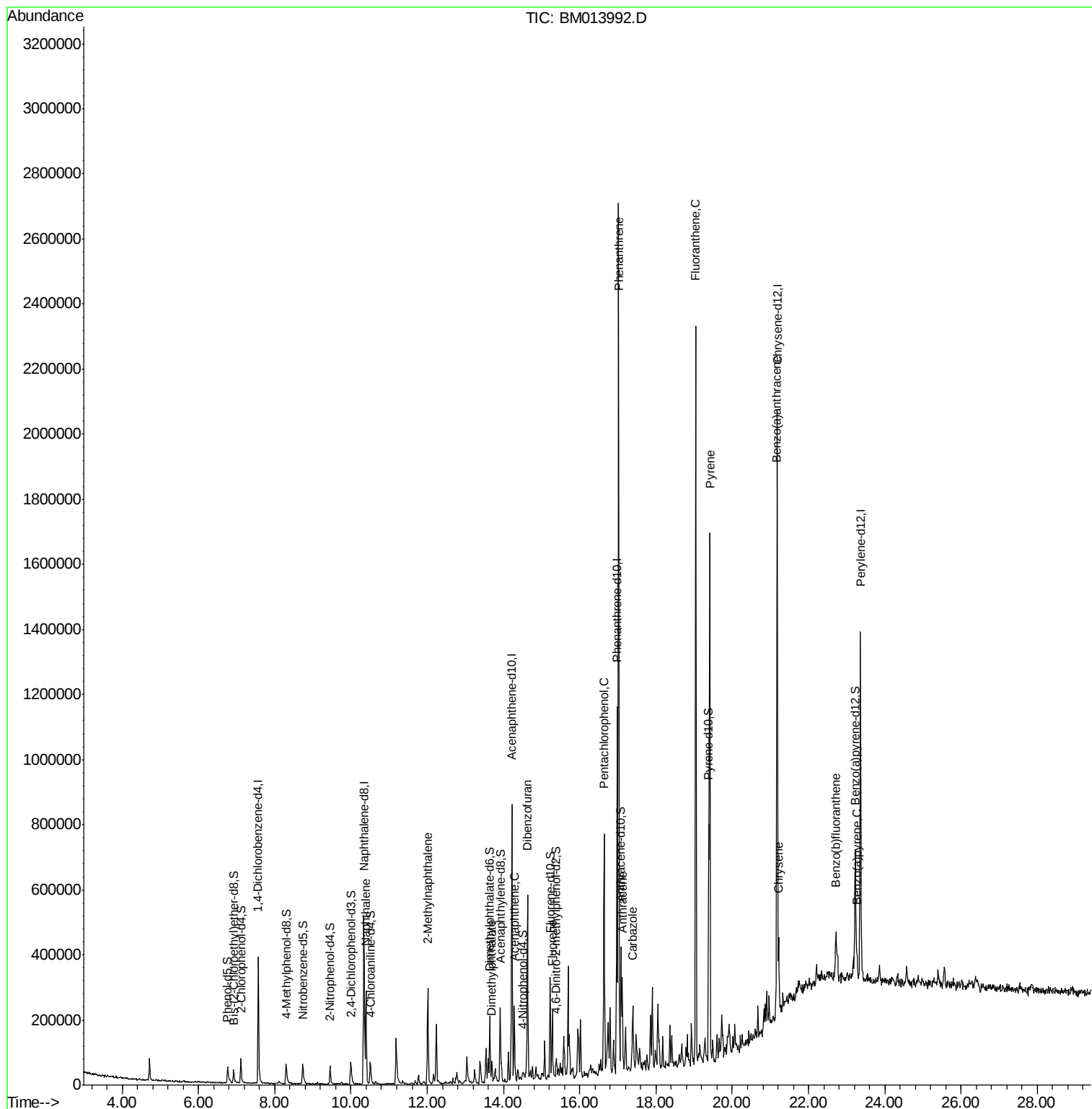
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

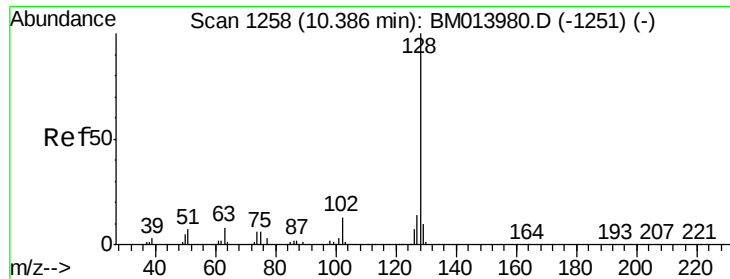
Instrument :
BNA_M
ClientSampleId :
F6B31DL

Manual Integrations
APPROVED

Sohil
1/30/2018 3:35:10 PM

Quant Time: Jan 30 13:52:23 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 30 07:49:34 2018
Response via : Initial Calibration





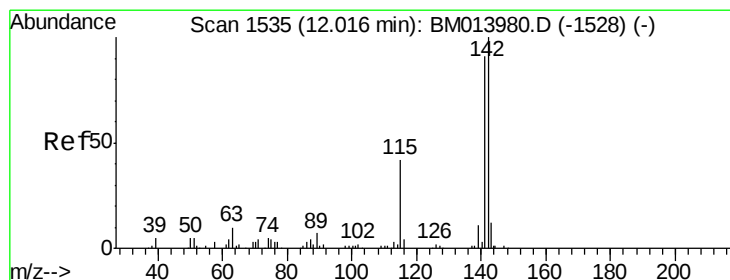
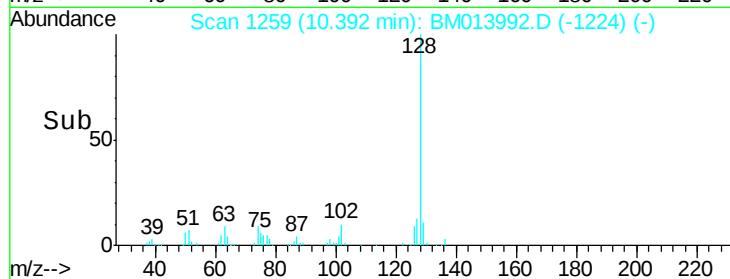
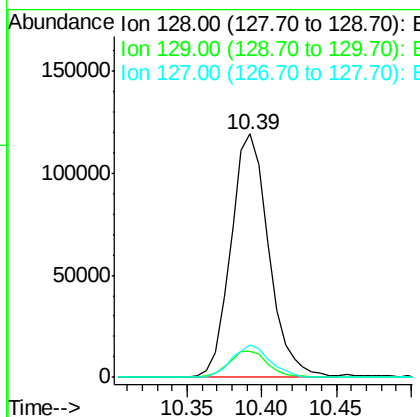
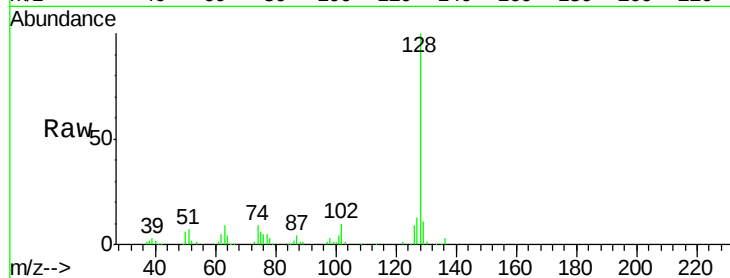
#28
Naphthalene
Concen: 10.613 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BM013992.D
Acq: 30 Jan 2018 11:54

Instrument :
BNA_M
ClientSampleId :
F6B31DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.2	10.6	16.0

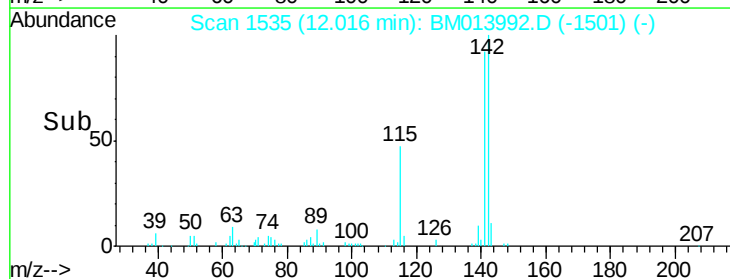
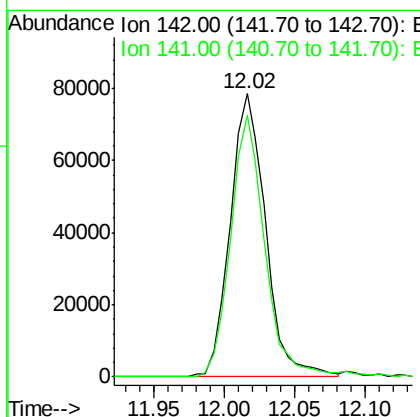
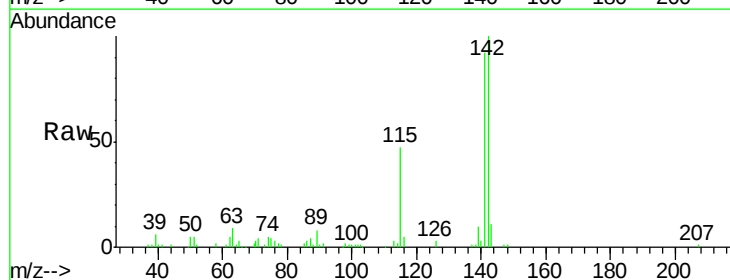
Manual Integrations
APPROVED

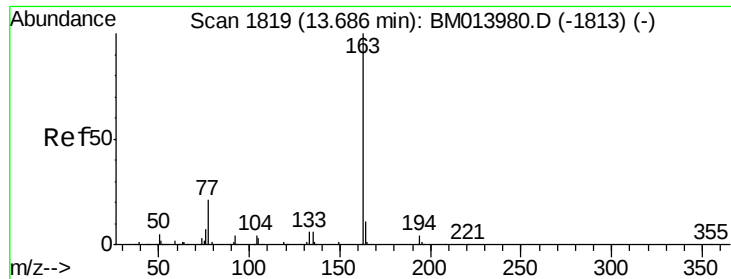
Sohil
1/30/2018 3:35:10 PM



#34
2-Methylnaphthalene
Concen: 9.230 ng/ul
RT: 12.02 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BM013992.D
Acq: 30 Jan 2018 11:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.1	111.1





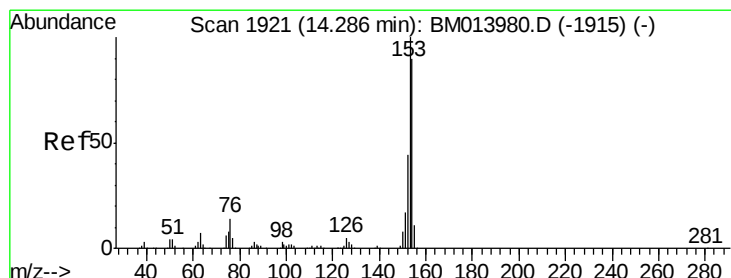
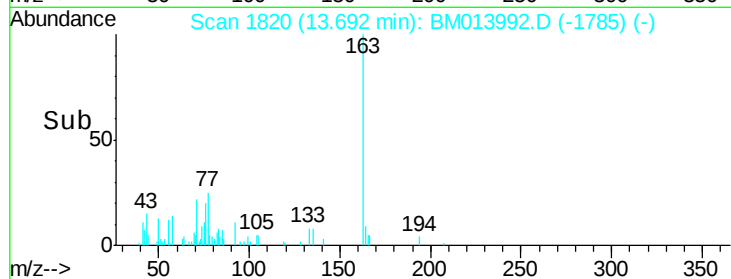
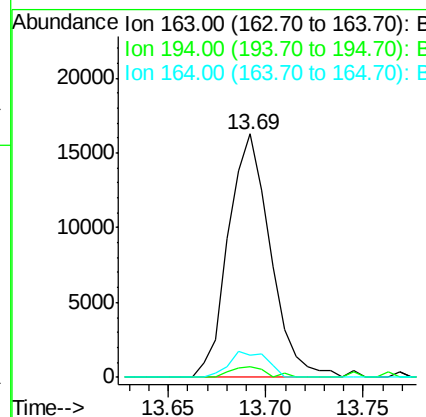
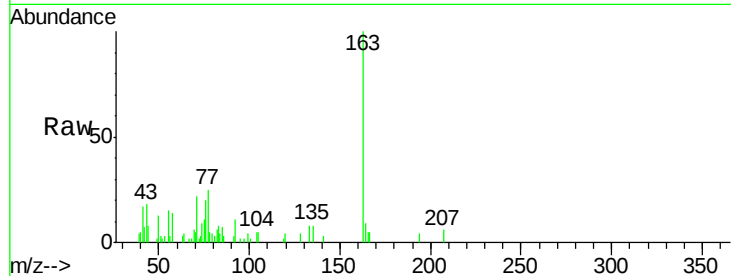
#44
Dimethylphthalate
Concen: 1.182 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BM013992.D
Acq: 30 Jan 2018 11:54

Instrument :
BNA_M
ClientSampleId :
F6B31DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	24308		
194	4.4		3.5	5.3
164	9.4		8.2	12.4

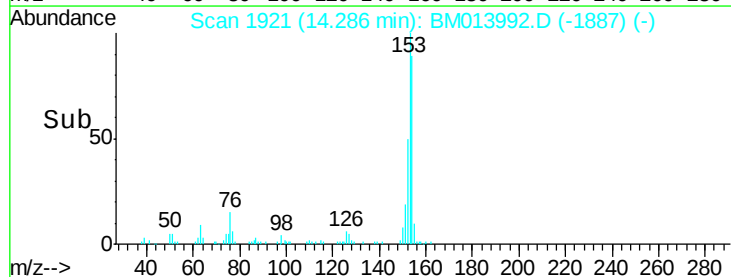
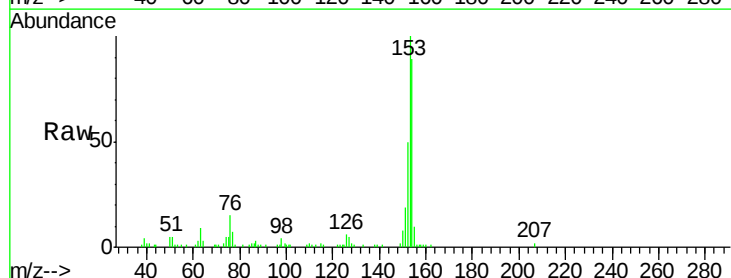
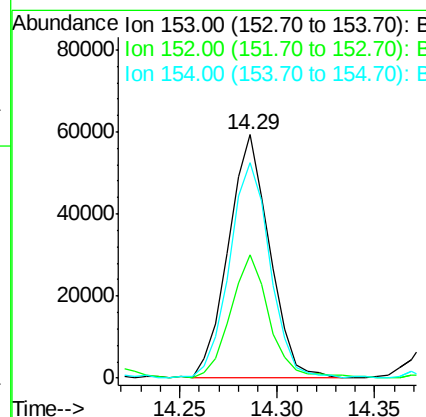
Manual Integrations
APPROVED

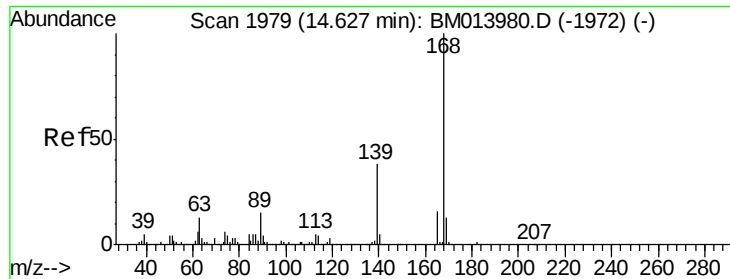
Sohil
1/30/2018 3:35:10 PM



#49
Acenaphthene
Concen: 5.146 ng/ul
RT: 14.29 min Scan# 1921
Delta R.T. 0.00 min
Lab File: BM013992.D
Acq: 30 Jan 2018 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	86956		
152	50.5		37.6	56.4
154	88.5		70.4	105.6





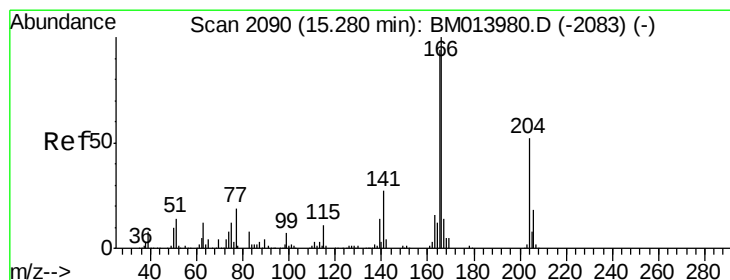
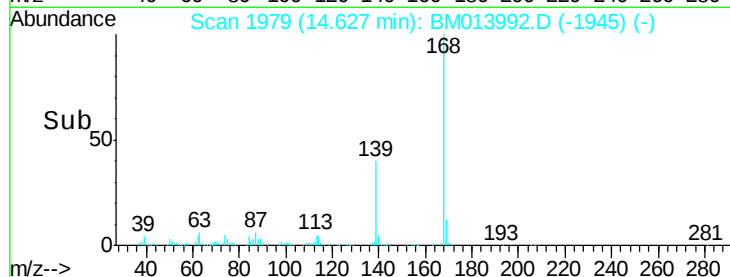
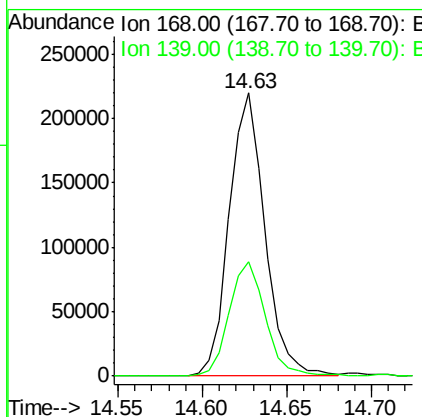
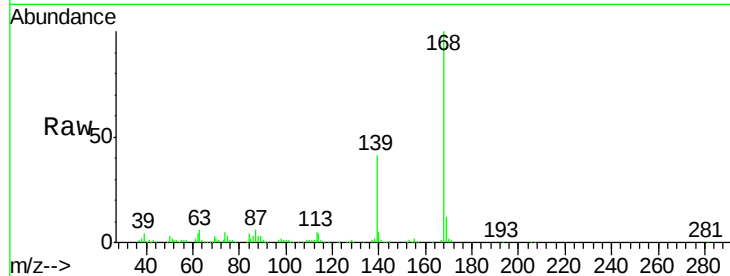
#53
Dibenzenofuran
Concen: 12.745 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. 0.00 min
Lab File: BM013992.D
Acq: 30 Jan 2018 11:54

Instrument :
BNA_M
ClientSampled :
F6B31DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.6	30.8	46.2

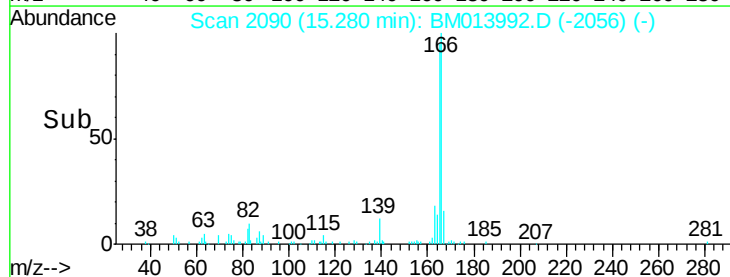
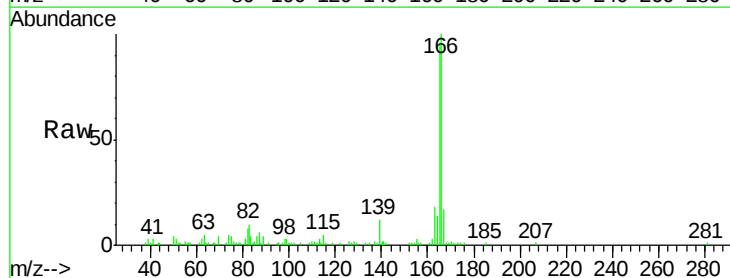
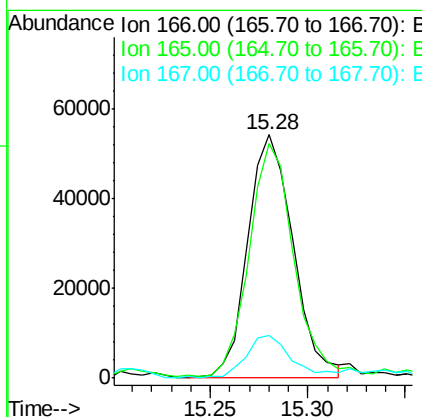
Manual Integrations
APPROVED

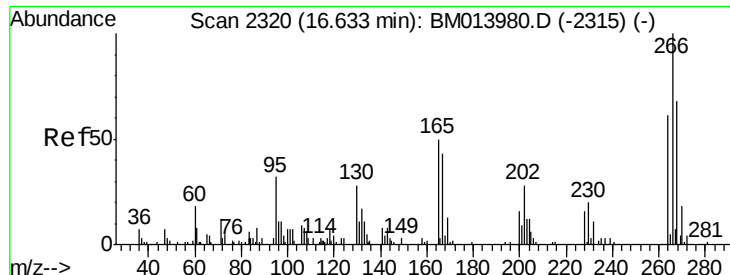
Sohil
1/30/2018 3:35:10 PM



#58
Fluorene
Concen: 4.211 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BM013992.D
Acq: 30 Jan 2018 11:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.9	116.9
167	17.3	10.6	16.0#





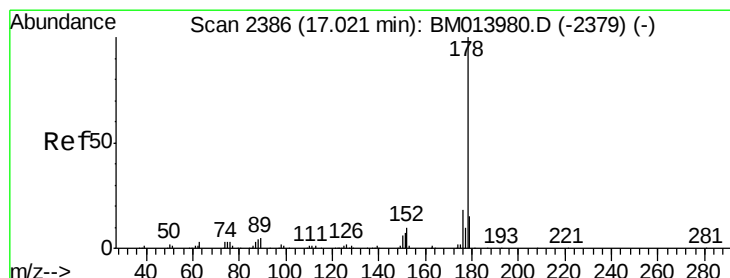
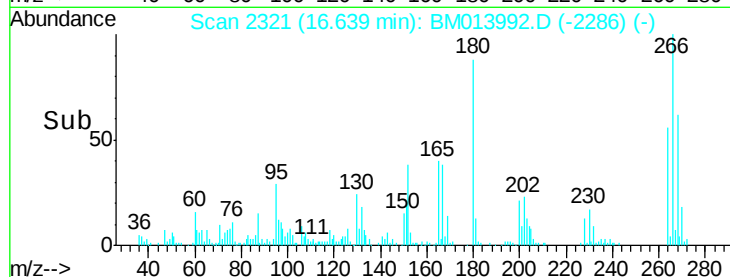
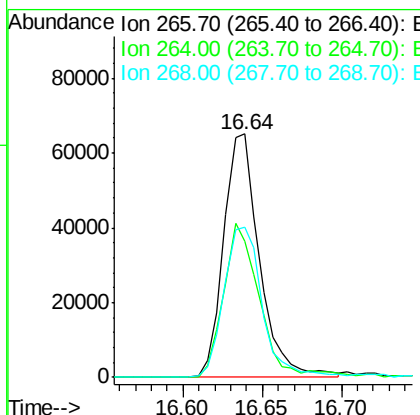
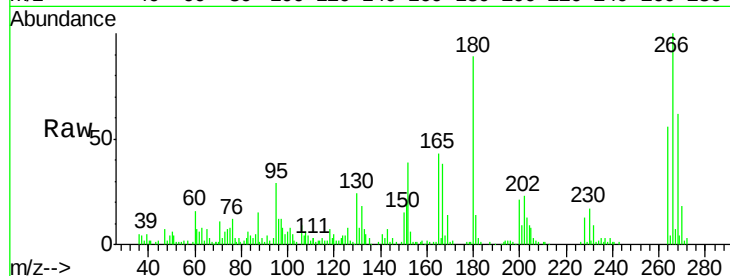
#68
 Pentachlorophenol
 Concen: 24.188 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BM013992.D
 Acq: 30 Jan 2018 11:54

Instrument :
 BNA_M
 ClientSampleID :
 F6B31DL

Tot Ion	Ratio	Resp	Lower	Upper
266	100	102446		
264	56.1	49.3	73.9	
268	61.6	52.6	78.8	

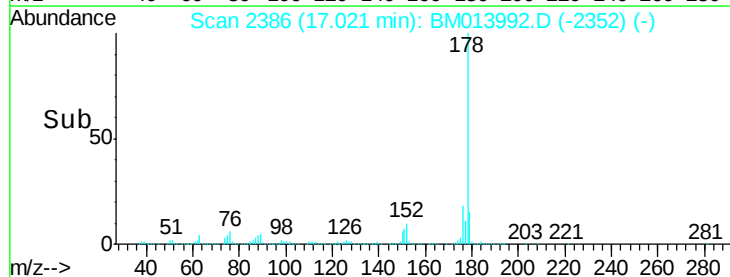
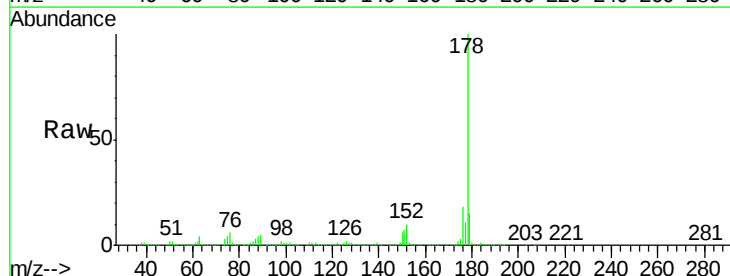
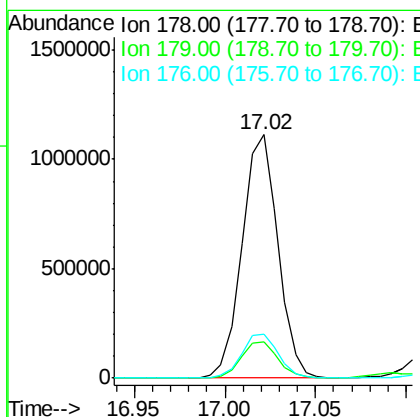
Manual Integrations
 APPROVED

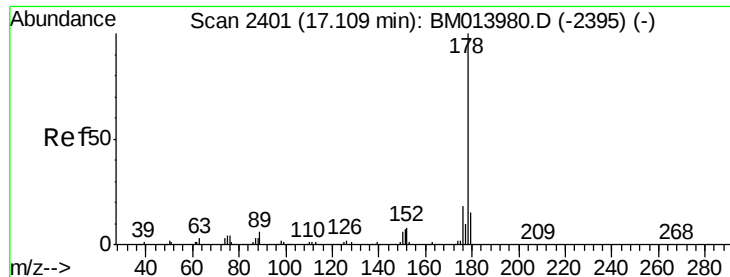
Sohil
 1/30/2018 3:35:10 PM



#69
 Phenanthrene
 Concen: 43.856 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. 0.00 min
 Lab File: BM013992.D
 Acq: 30 Jan 2018 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1528318		
179	15.1	12.6	19.0	
176	18.1	14.9	22.3	





#71

Anthracene

Concen: 5.332 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

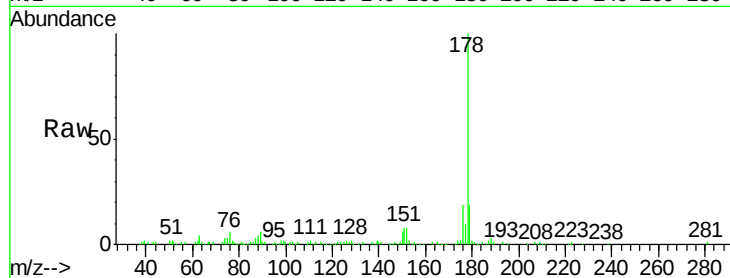
ClientSampleId :

F6B31DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	19.4	11.7	17.5#
176	18.9	14.6	21.8

Manual Integrations
APPROVED

Sohil
1/30/2018 3:35:10 PM

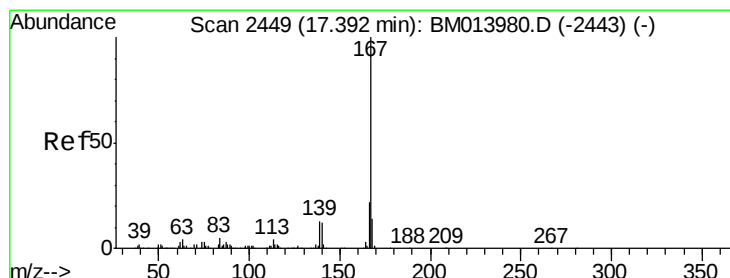
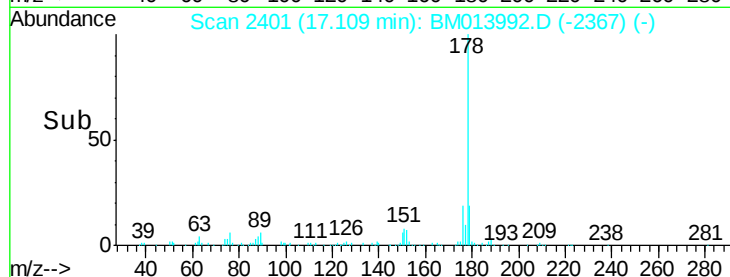
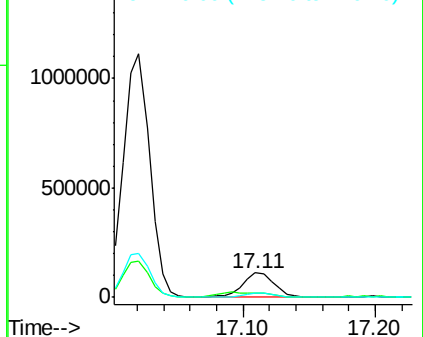


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 3.560 ng/ul

RT: 17.39 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

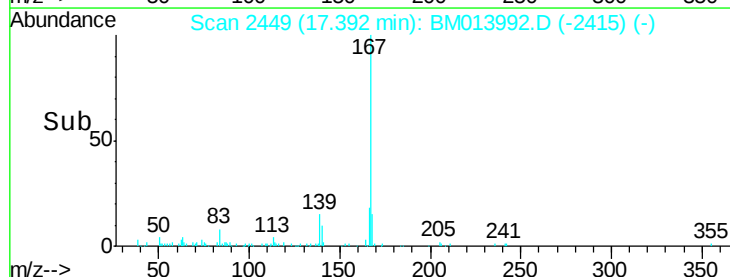
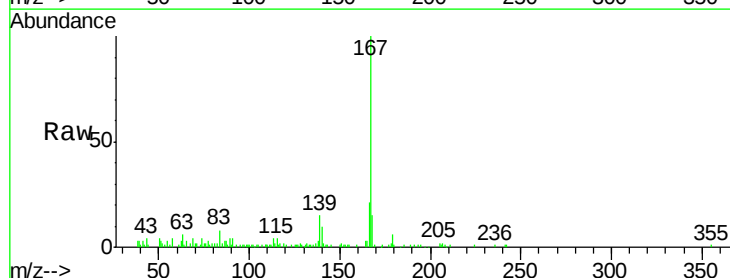
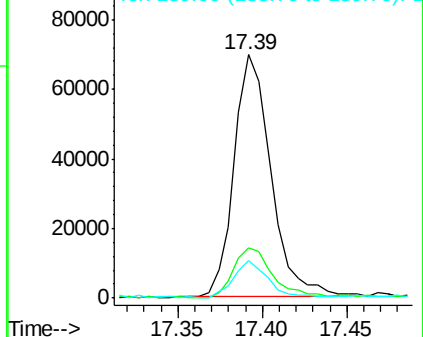
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.1	25.7
139	15.2	10.0	15.0#

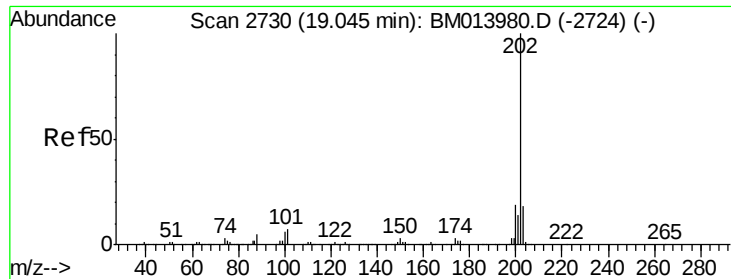
Abundance

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: 31.917 ng/ul

RT: 19.04 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

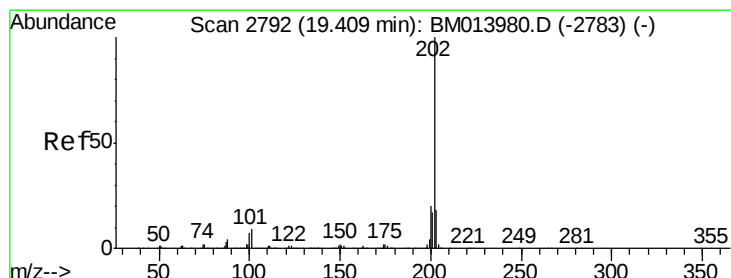
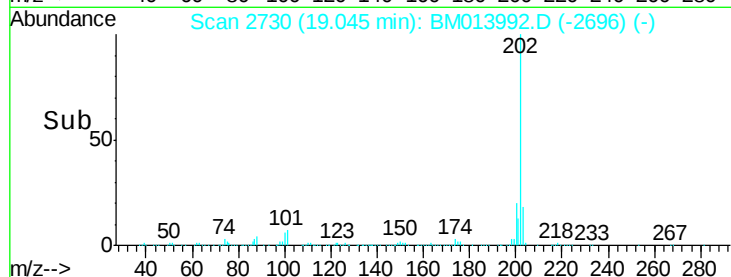
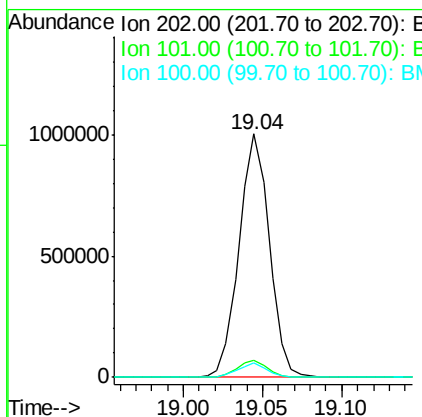
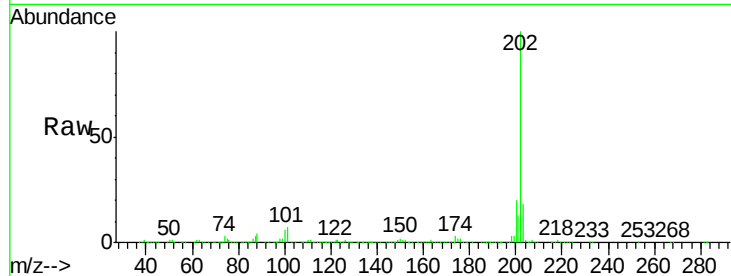
ClientSampled :

F6B31DL

Tot Ion:	202	Resp:	1327662
Ion Ratio	Lower	Upper	
202	100		
101	6.8	4.6	7.0
100	6.2	3.4	5.2#

Manual Integrations
APPROVED

Sohil
1/30/2018 3:35:10 PM



#77

Pyrene

Concen: 19.890 ng/ul

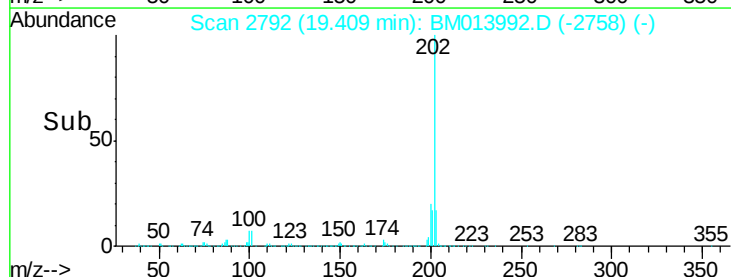
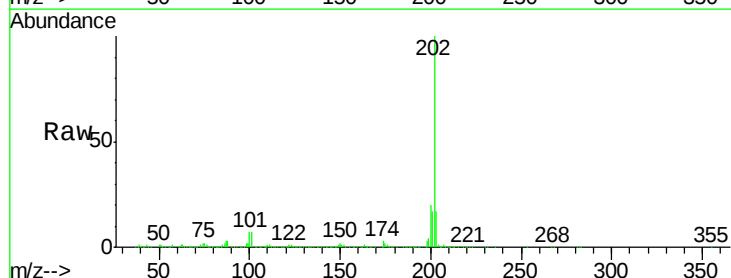
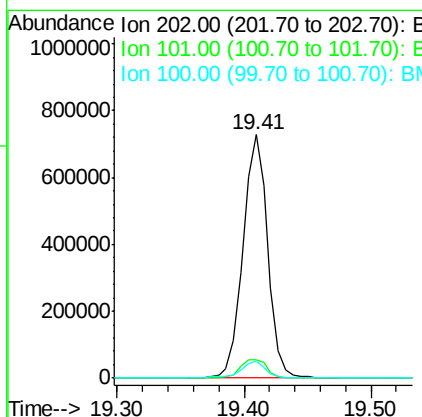
RT: 19.41 min Scan# 2792

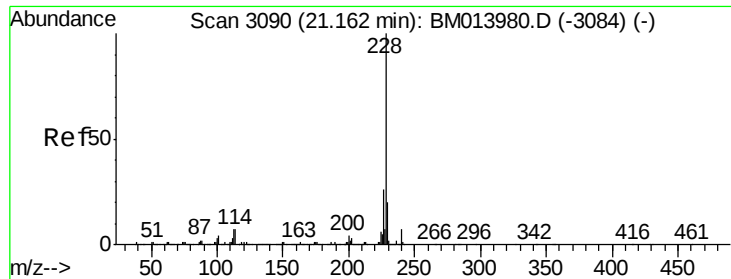
Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Tgt Ion:	202	Resp:	976377
Ion Ratio	Lower	Upper	
202	100		
101	7.3	5.1	7.7
100	6.9	4.9	7.3





#80

Benzo(a)anthracene

Concen: 3.487 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

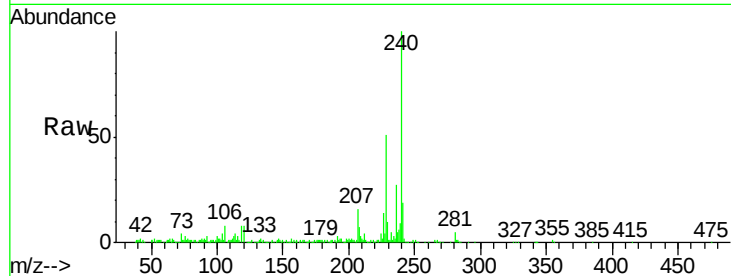
ClientSampleId :

F6B31DL

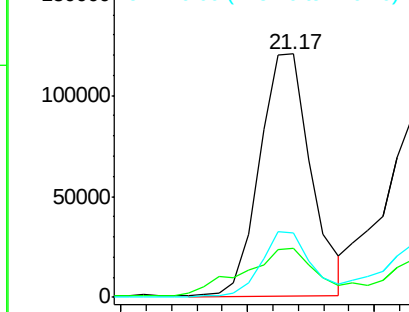
Tot Ion:	228	Resp:	170148
Ion Ratio		Lower	Upper
228	100		
229	20.1	15.4	23.0
226	26.5	21.4	32.0

Manual Integrations
APPROVED

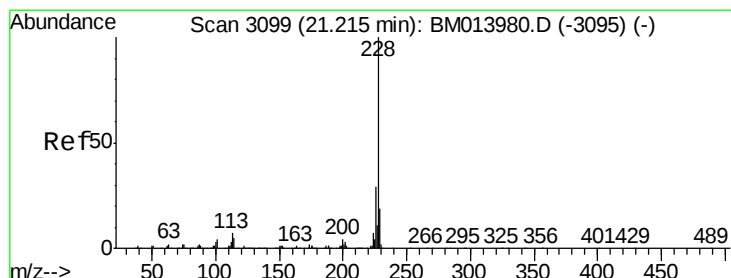
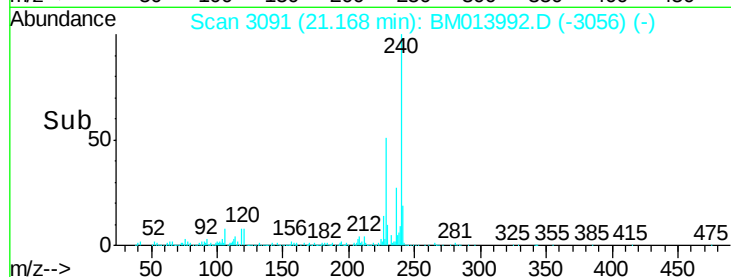
Sohil
1/30/2018 3:35:10 PM



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



Time--> 21.10 21.15 21.20



#82

Chrysene

Concen: 3.226 ng/ul

RT: 21.22 min Scan# 3099

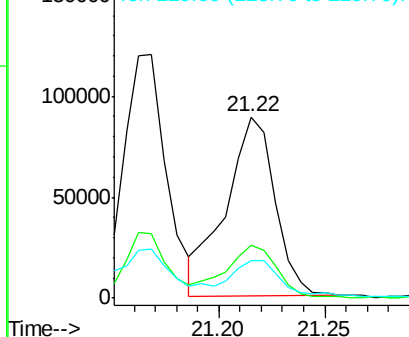
Delta R.T. 0.00 min

Lab File: BM013992.D

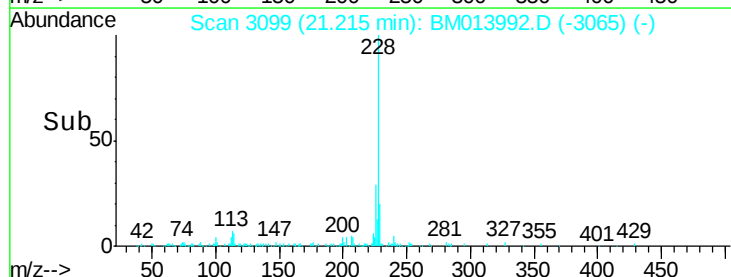
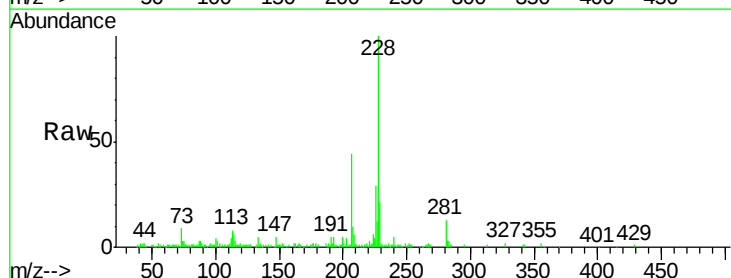
Acq: 30 Jan 2018 11:54

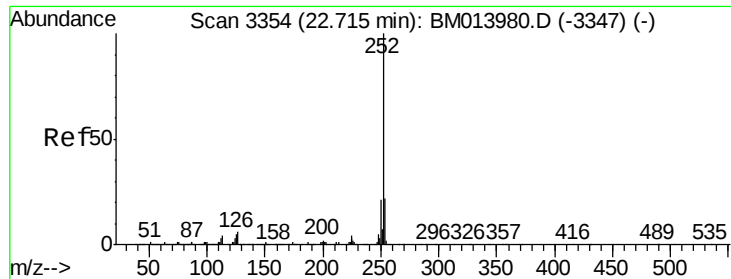
Tgt Ion:	228	Resp:	144400
Ion Ratio		Lower	Upper
228	100		
226	29.4	23.4	35.2
229	20.6	15.5	23.3

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.20 21.25





#85

Benzo(b)fluoranthene

Concen: 2.093 ng/ul

RT: 22.71 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Instrument :

BNA_M

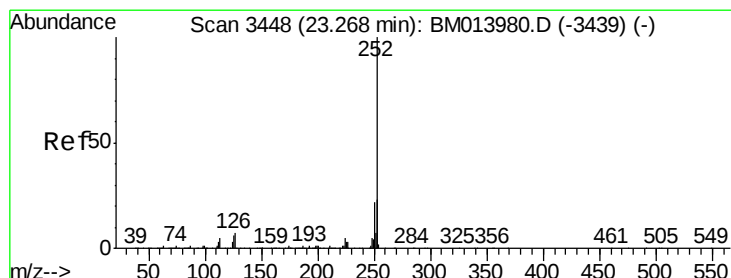
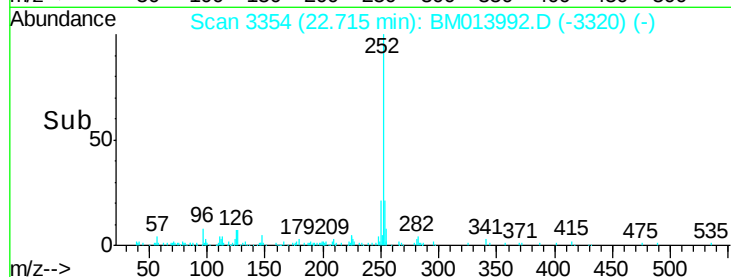
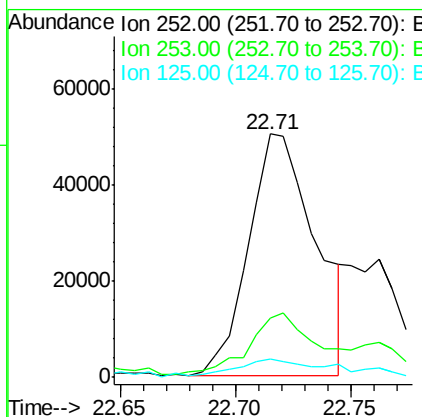
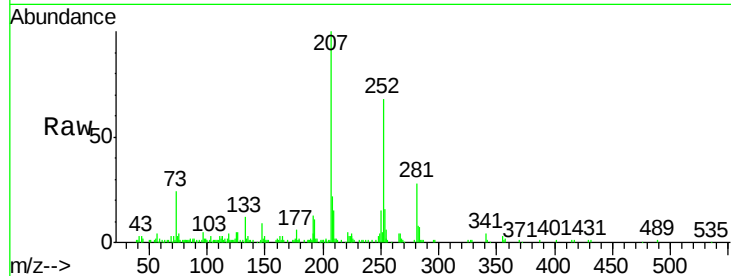
ClientSampleId :

F6B31DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	7.5	3.6	5.4

Manual Integrations
APPROVED

Sohil
1/30/2018 3:35:10 PM



#88

Benzo(a)pyrene

Concen: 1.011 ng/ul

RT: 23.27 min Scan# 3448

Delta R.T. 0.00 min

Lab File: BM013992.D

Acq: 30 Jan 2018 11:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.1	18.2	27.2
125	5.7	4.0	6.0

