

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031519\
 Data File : BM019188.D
 Acq On : 15 Mar 2019 16:13
 Operator : JU/SJ
 Sample : K1899-03DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

Manual Integrations
 APPROVED

Sohil
 3/18/2019 3:04:31 PM

Quant Time: Mar 16 02:27:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	201926	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	996205	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	628616	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1396464	20.00	ng	-0.01
76) Chrysene-d12	21.26	240	1386297	20.00	ng	-0.01
87) Perylene-d12	23.50	264	1208571	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	158700	12.73	ng	0.00
7) Phenol-d6	6.84	99	147092	8.07	ng	0.00
23) Nitrobenzene-d5	8.82	82	375225	17.80	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	260934	28.11	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	853011	17.65	ng	-0.01
79) Terphenyl-d14	19.70	244	1328145	19.02	ng	-0.01
Target Compounds						
17) 2-Methylphenol	8.10	107	36563	2.855	ng	92
27) 2,4-Dimethylphenol	9.63	122	72781m	5.389	ng	
31) Naphthalene	10.50	128	19006557	361.979	ng	# 89
37) 2-Methylnaphthalene	12.12	142	5838257	153.011	ng	100
38) 1-Methylnaphthalene	12.34	142	6064336	161.247	ng	100
46) 1,1'-Biphenyl	13.13	154	1059886	19.307	ng	99
52) Acenaphthene	14.37	154	1685196	42.328	ng	100
55) Dibenzofuran	14.71	168	1568423	24.428	ng	99
58) Fluorene	15.36	166	946166	17.878	ng	100
71) Phenanthrene	17.10	178	777746	9.502	ng	99
73) Carbazole	17.48	167	340411	4.501	ng	99

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

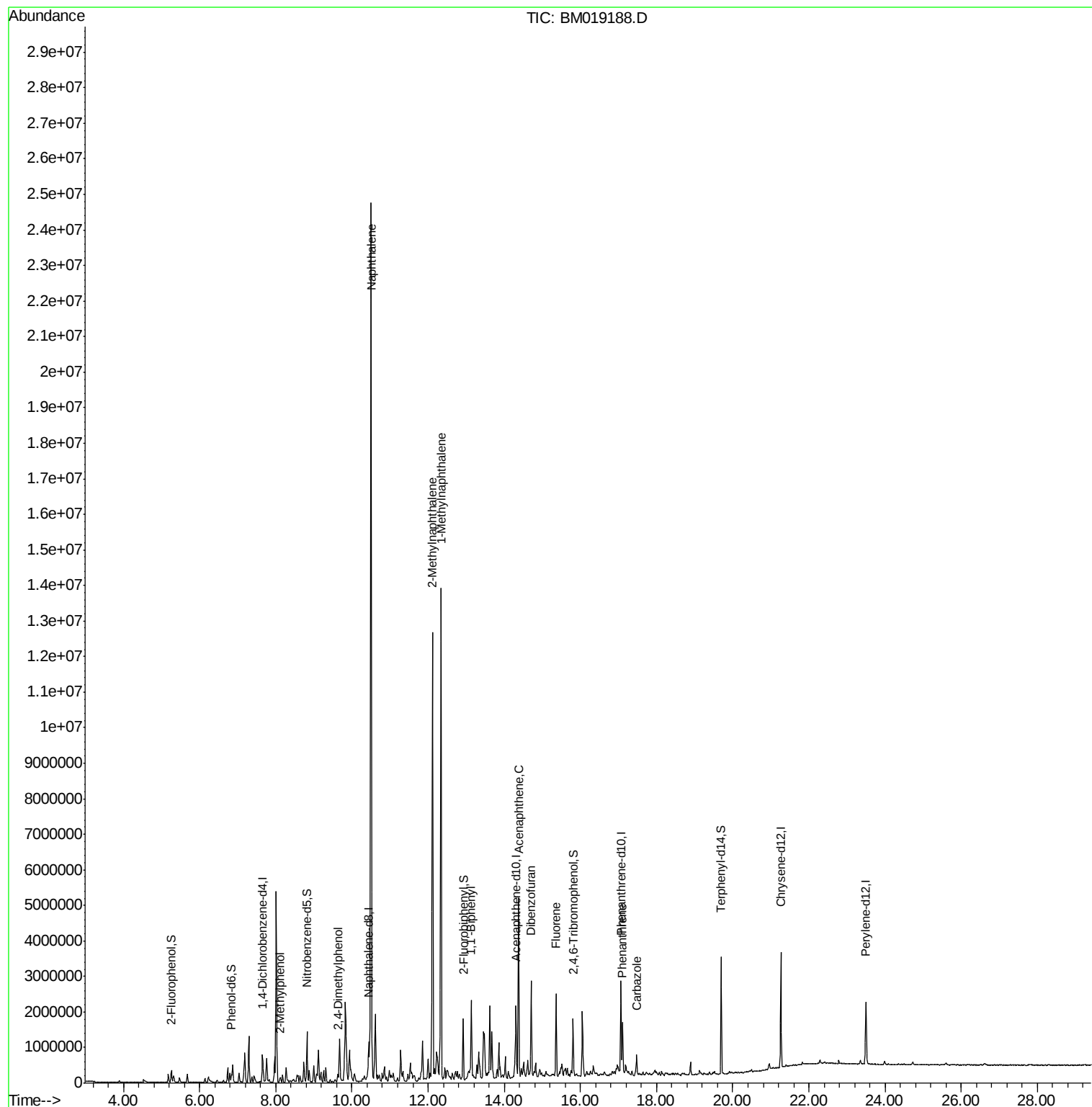
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031519\
Data File : BM019188.D
Acq On : 15 Mar 2019 16:13
Operator : JU/SJ
Sample : K1899-03DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

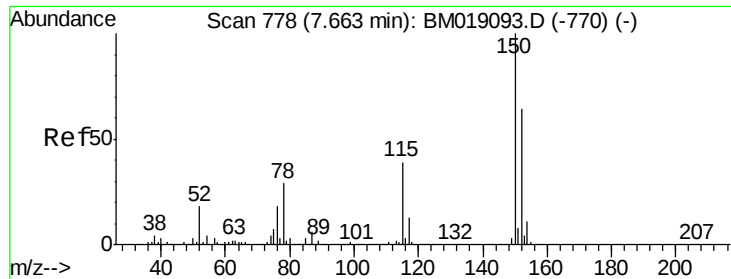
Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Quant Time: Mar 16 02:27:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 11 17:30:46 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
3/18/2019 3:04:31 PM





#1

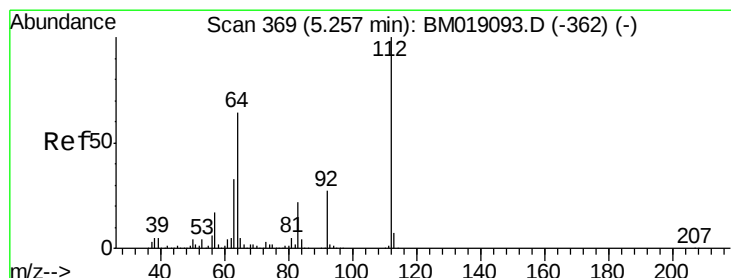
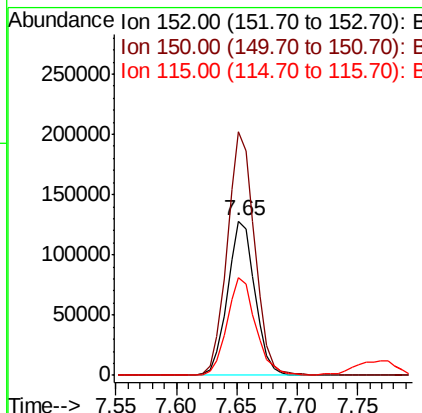
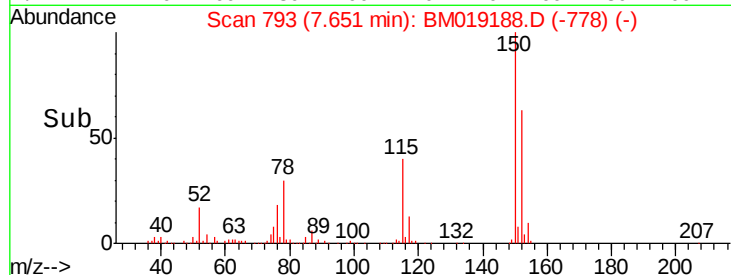
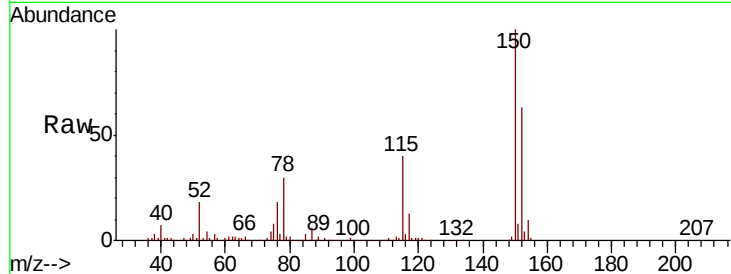
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 793
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampled :
MW-4ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.3	187.9
115	63.2	49.4	74.0

Manual Integrations
APPROVED

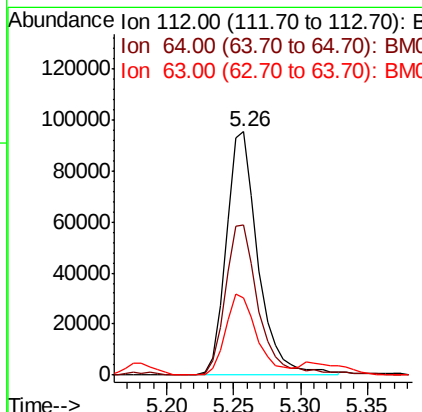
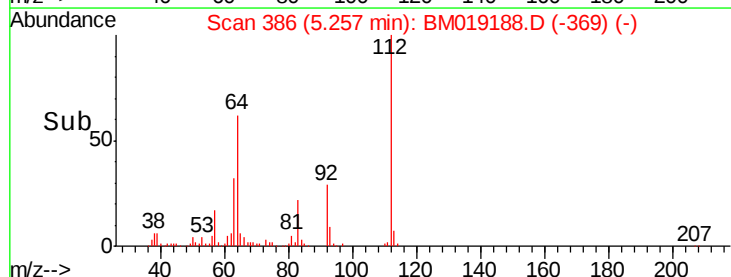
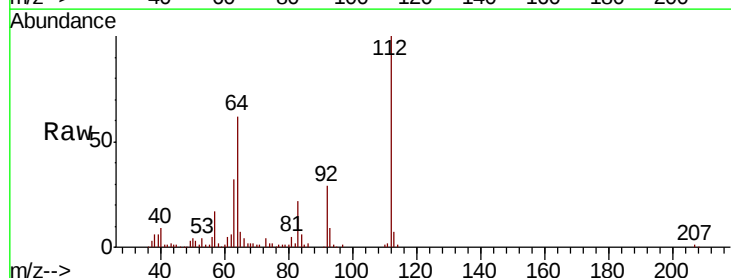
Sohil
3/18/2019 3:04:31 PM

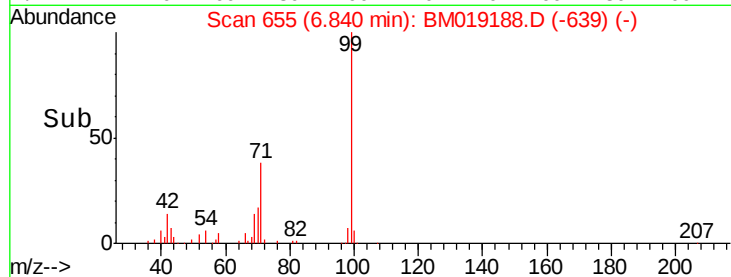
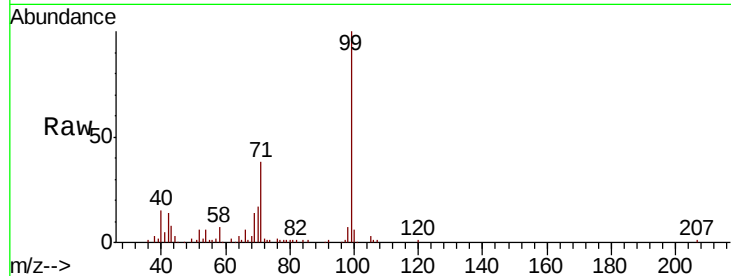
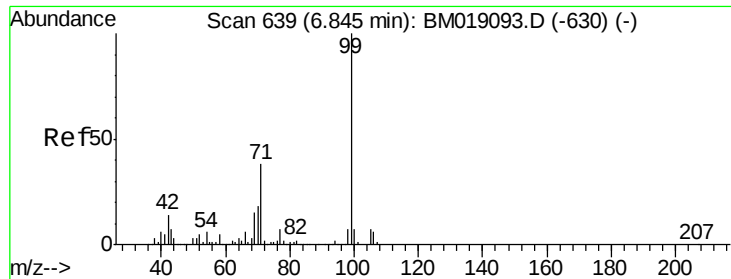


#5

2-Fluorophenol
Concen: 12.728 ng
RT: 5.26 min Scan# 386
Delta R.T. 0.00 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	51.4	77.0
63	31.9	26.6	40.0





#7

Phenol-d6

Concen: 8.065 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Tot Ion	99	Resp	147092
Ion Ratio	Lower	Upper	
99	100		
42	14.3	10.9	16.3
71	37.5	30.3	45.5

Instrument :

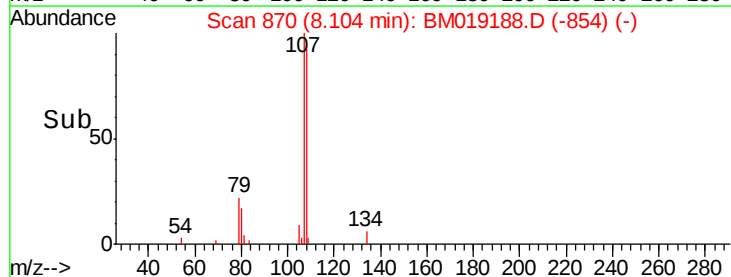
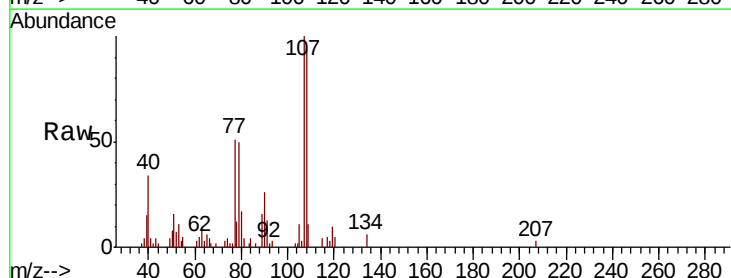
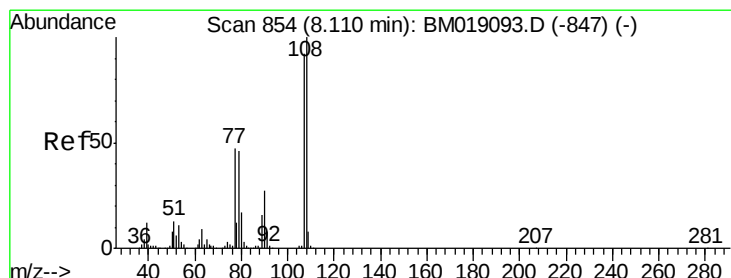
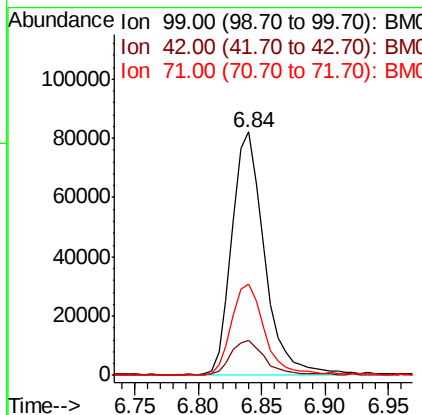
BNA_M

ClientSampled :

MW-4ADL

Manual Integrations
APPROVED

Sohil
3/18/2019 3:04:31 PM



#17

2-Methylphenol

Concen: 2.855 ng

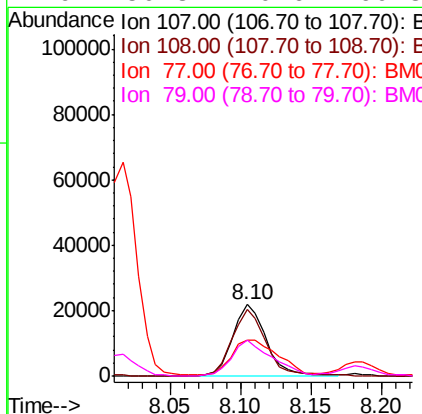
RT: 8.10 min Scan# 870

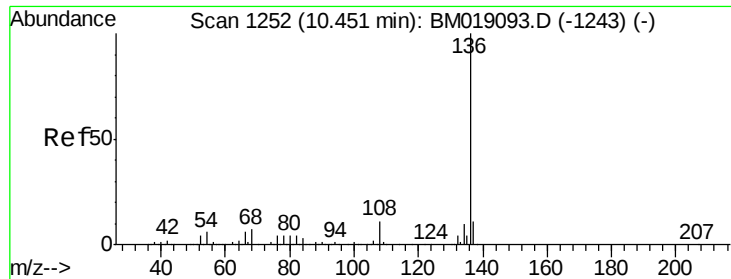
Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Tgt Ion	107	Resp	36563
Ion Ratio	Lower	Upper	
107	100		
108	94.2	87.4	131.2
77	50.8	41.6	62.4
79	50.3	40.6	60.8





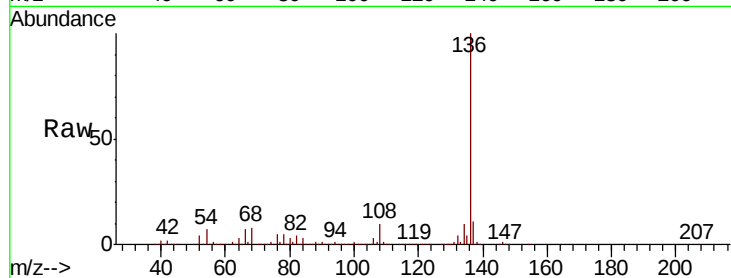
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.44 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	996205		
137	11.1	8.6	13.0	
54	6.9	5.2	7.8	
68	7.7	5.8	8.8	

Manual Integrations
APPROVED

Sohil
3/18/2019 3:04:31 PM



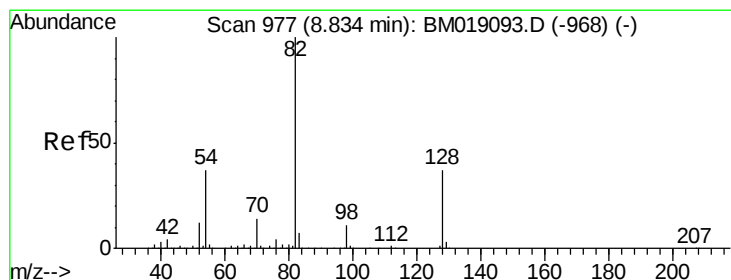
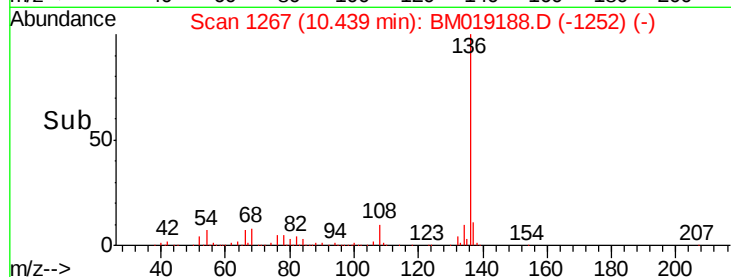
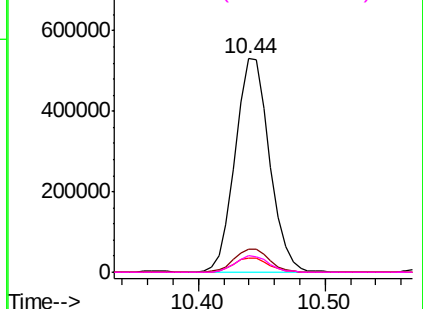
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

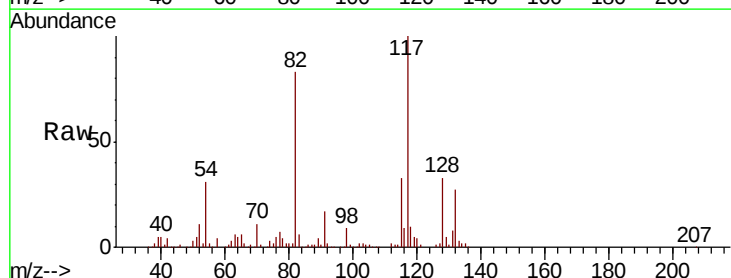
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23
Nitrobenzene-d5
Concen: 17.805 ng
RT: 8.82 min Scan# 992
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	375225		
128	40.5	29.4	44.2	
54	37.2	29.9	44.9	

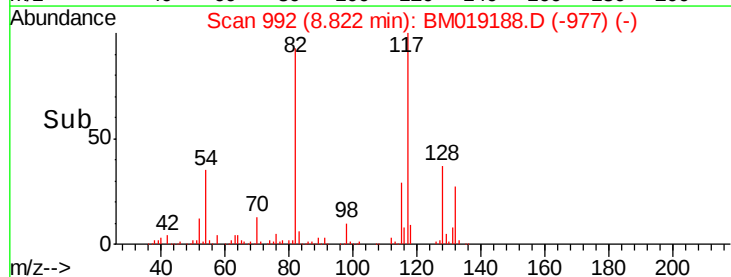
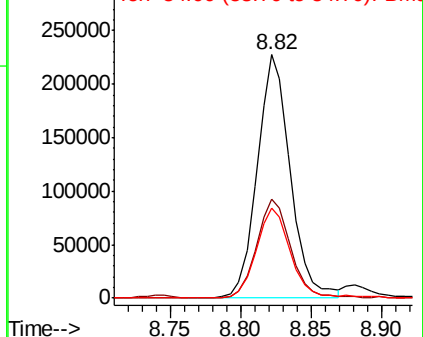


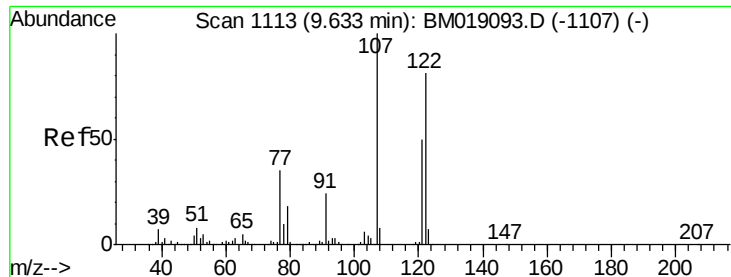
Abundance

Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





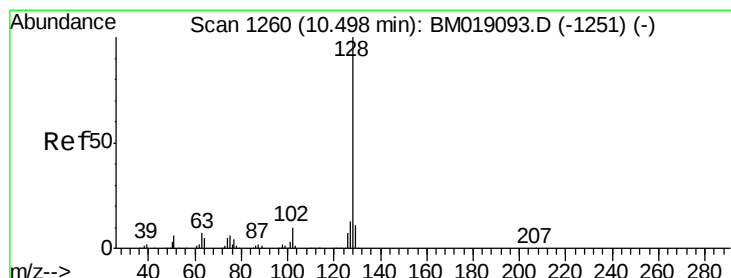
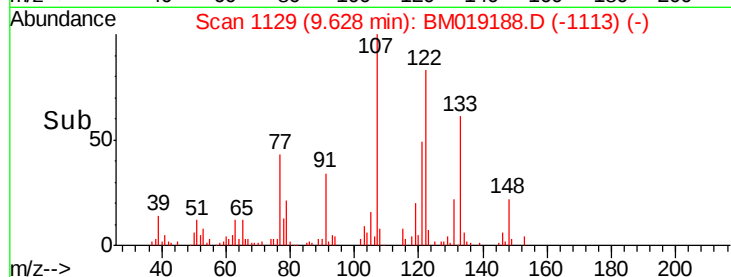
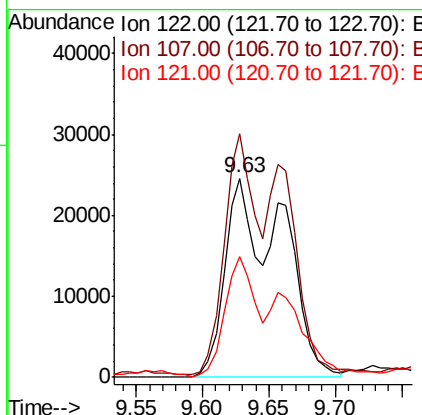
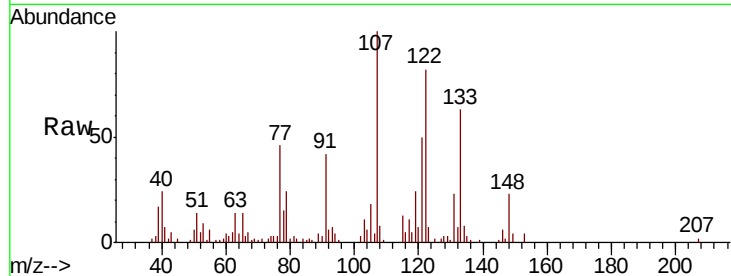
#27
2,4-Dimethylphenol
Concen: 5.389 ng m
RT: 9.63 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Tot Ion	Ratio	Lower	Upper
122	100		
107	122.4	98.2	147.4
121	60.8	48.8	73.2

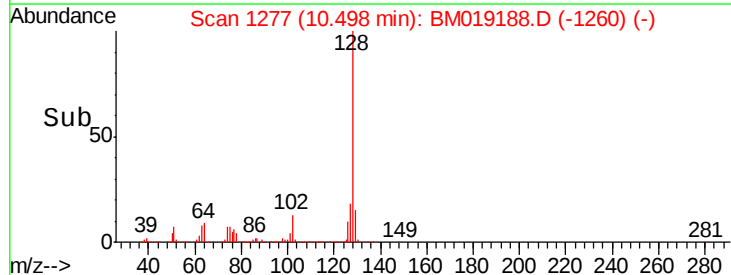
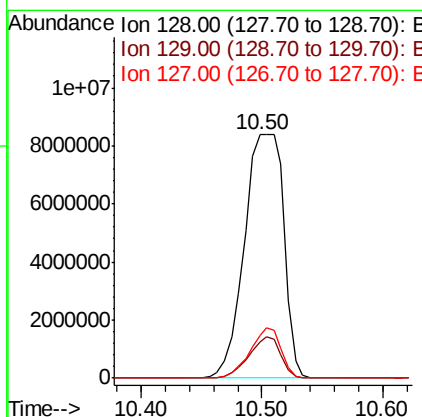
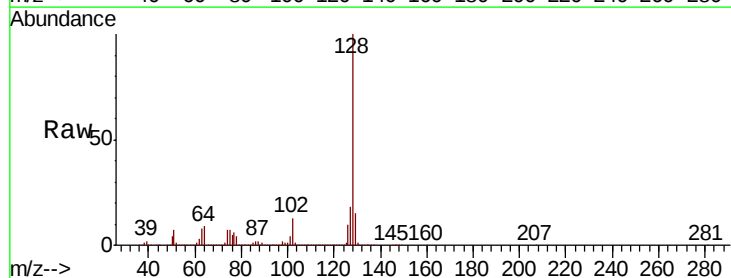
Manual Integrations
APPROVED

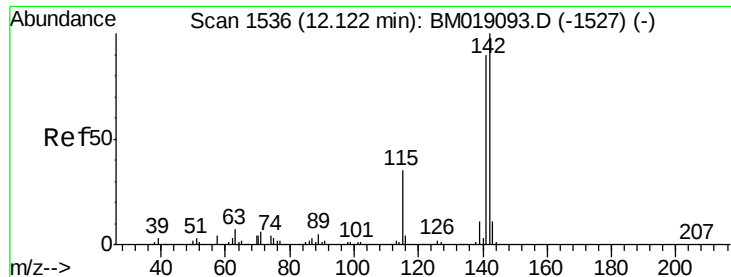
Sohil
3/18/2019 3:04:31 PM



#31
Naphthalene
Concen: 361.979 ng
RT: 10.50 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.9	8.6	13.0#
127	17.7	10.4	15.6#





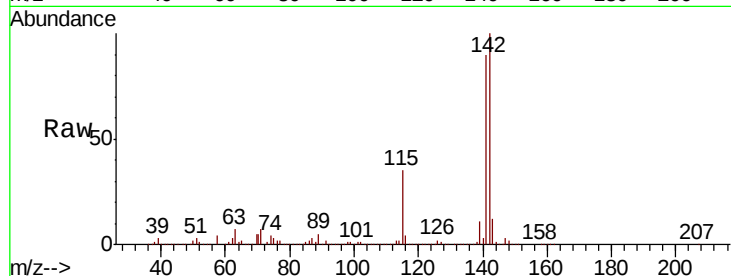
#37
2-Methylnaphthalene
Concen: 153.011 ng
RT: 12.12 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.3	108.5
115	34.9	27.8	41.8

Manual Integrations
APPROVED

Sohil
3/18/2019 3:04:31 PM

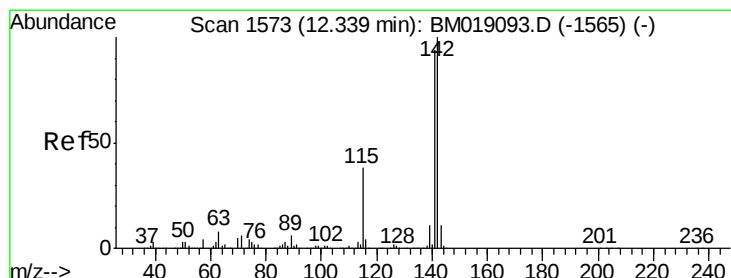
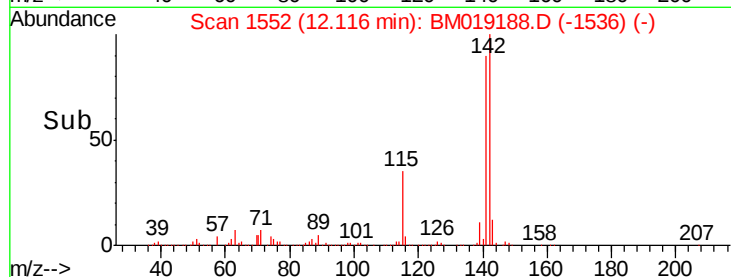
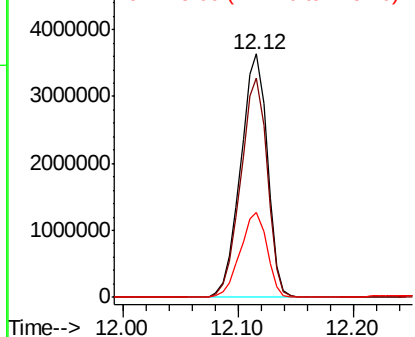


Abundance

Ion 142.00 (141.70 to 142.70): E

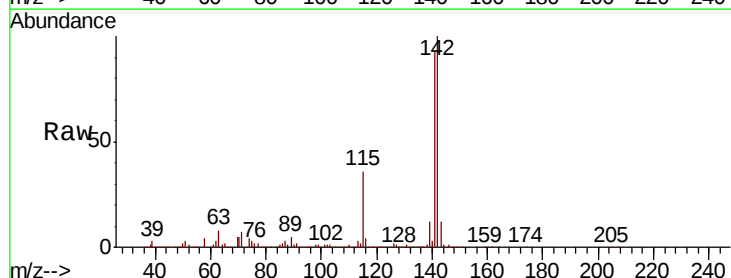
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 161.247 ng
RT: 12.34 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.9	112.3
116	3.9	3.2	4.8

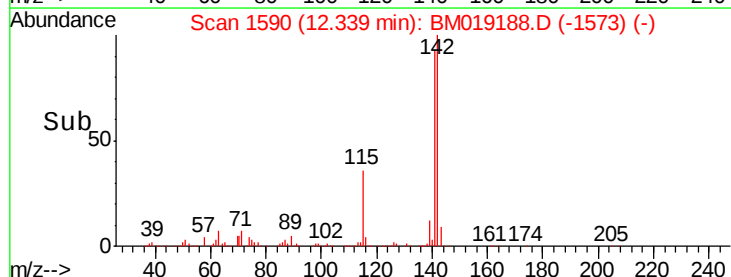
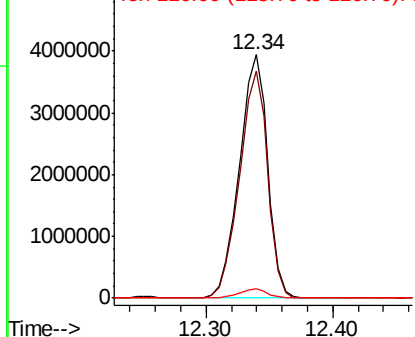


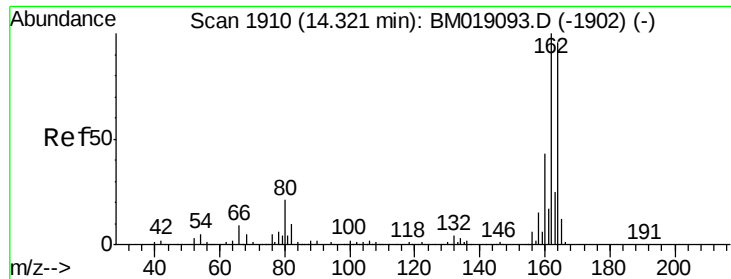
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





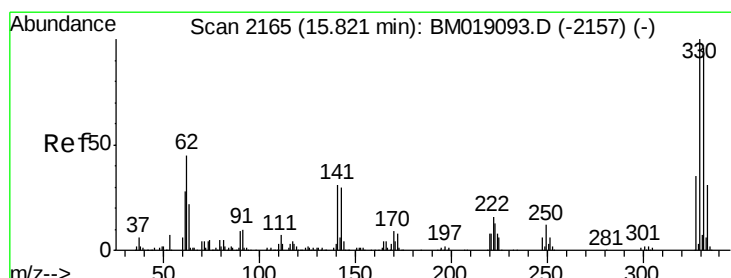
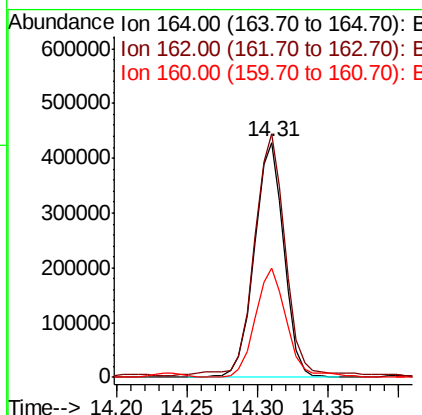
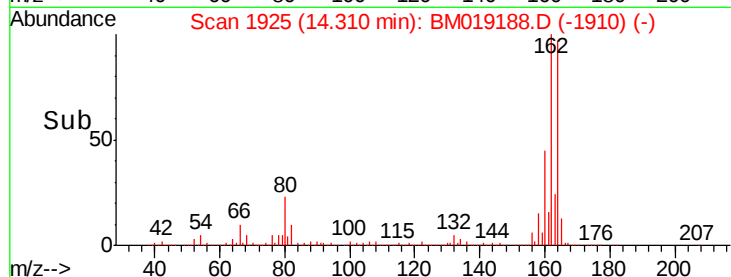
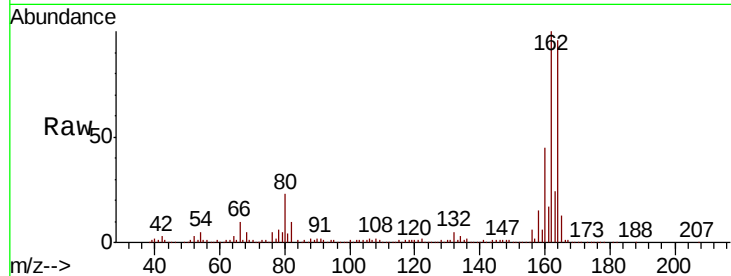
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.31 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Instrument :
 BNA_M
 ClientSampled :
 MW-4ADL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.5	125.3
160	46.5	36.3	54.5

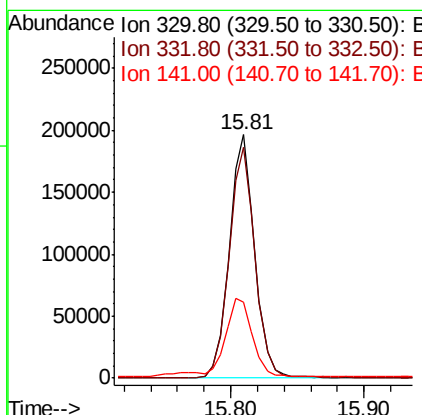
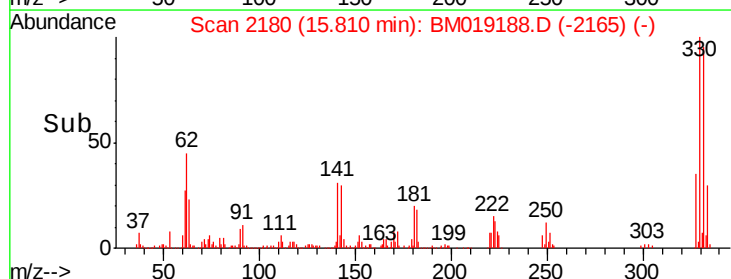
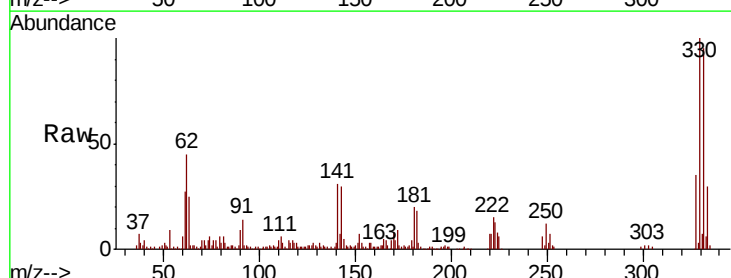
Manual Integrations
 APPROVED

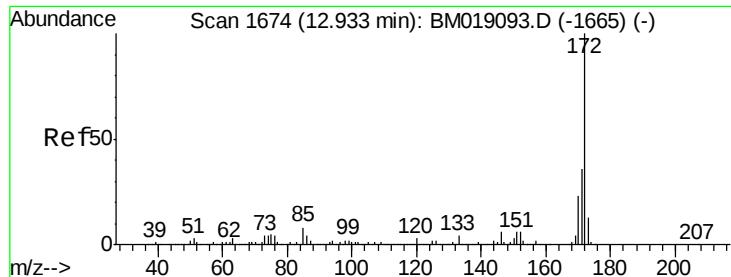
Sohil
 3/18/2019 3:04:31 PM



#42
 2,4,6-Tribromophenol
 Concen: 28.114 ng
 RT: 15.81 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.8	115.2
141	33.4	27.0	40.4





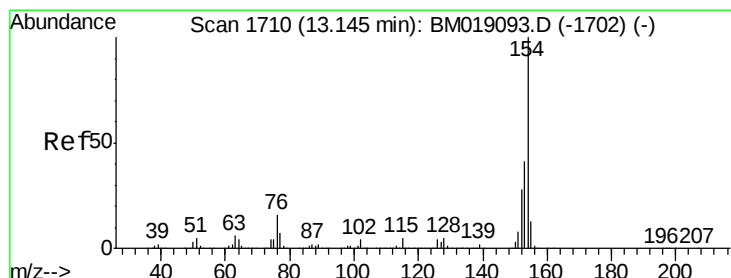
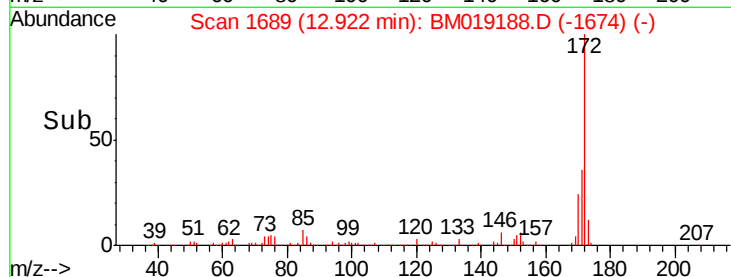
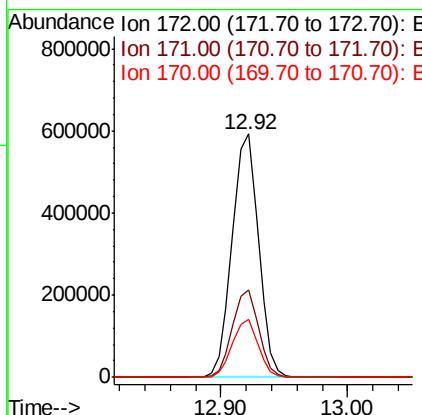
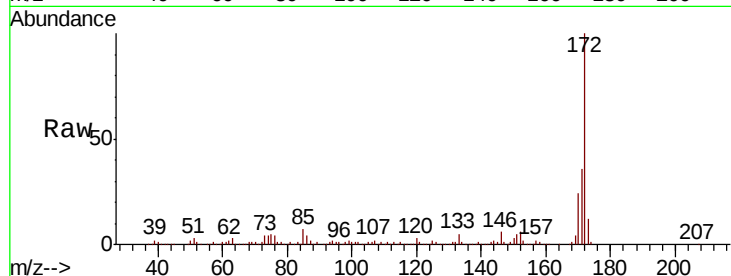
#45
2-Fluorobiphenyl
Concen: 17.651 ng
RT: 12.92 min Scan# 1689
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.6	18.6	28.0

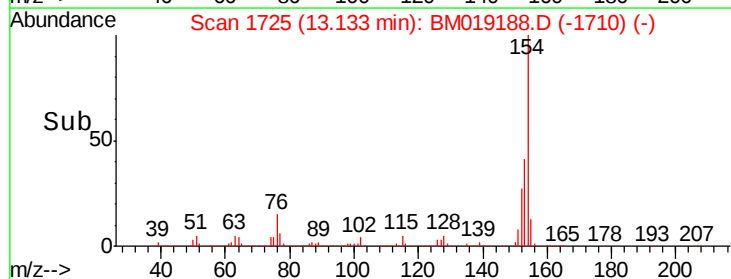
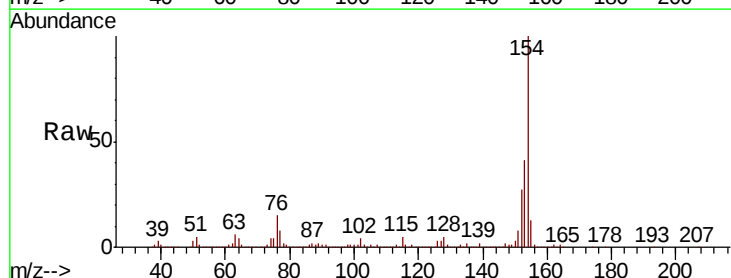
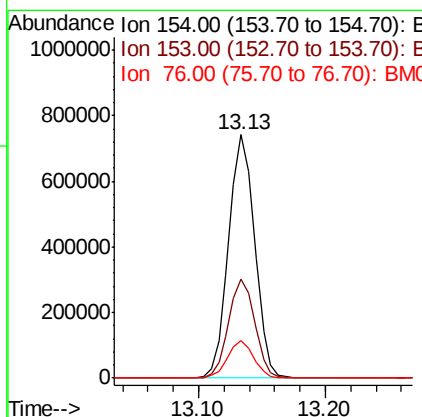
Manual Integrations
APPROVED

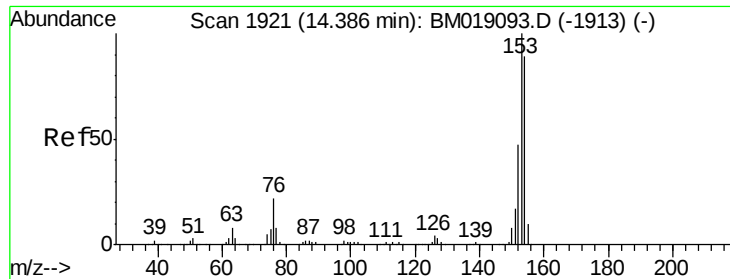
Sohil
3/18/2019 3:04:31 PM



#46
1,1'-Biphenyl
Concen: 19.307 ng
RT: 13.13 min Scan# 1725
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	21.5	61.5
76	15.4	0.0	35.8





#52

Acenaphthene

Concen: 42.328 ng

RT: 14.37 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Instrument :

BNA_M

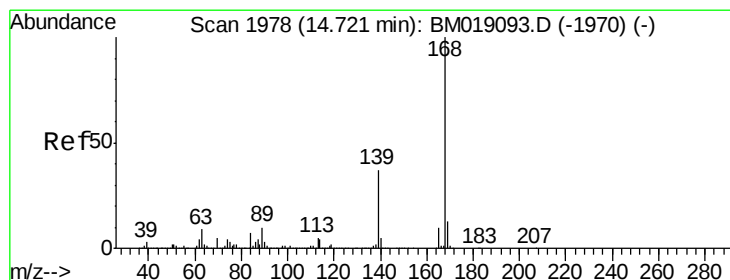
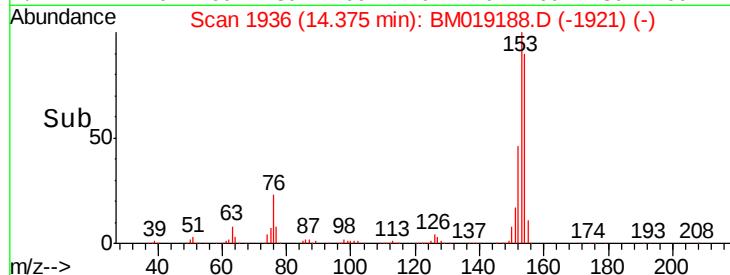
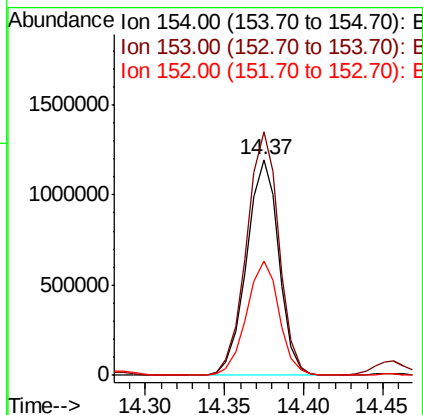
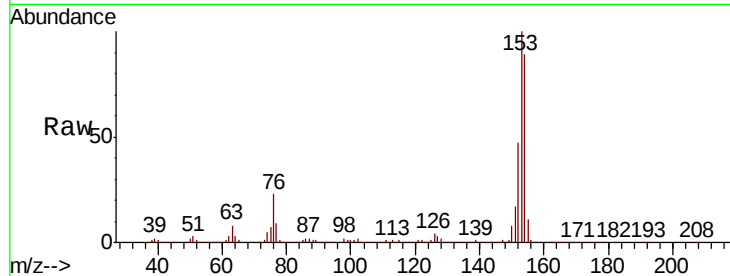
ClientSampleId :

MW-4ADL

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.1	135.1
152	52.8	42.5	63.7

Manual Integrations
APPROVED

Sohil
3/18/2019 3:04:31 PM



#55

Dibenzofuran

Concen: 24.428 ng

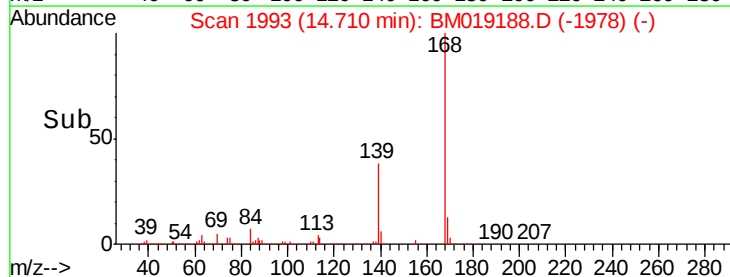
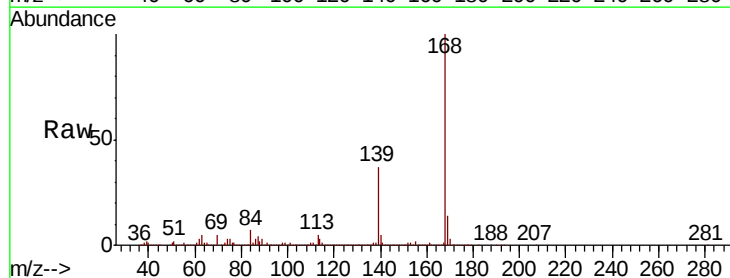
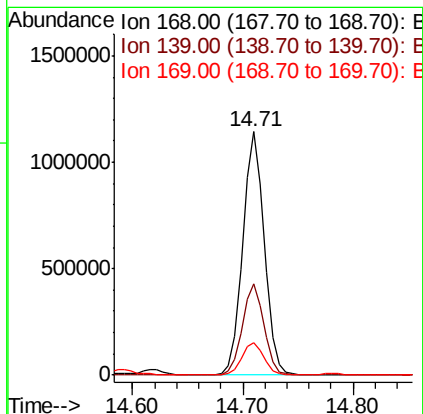
RT: 14.71 min Scan# 1993

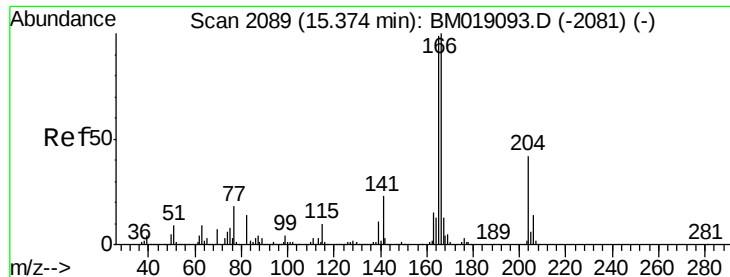
Delta R.T. -0.01 min

Lab File: BM019188.D

Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.1	45.1
169	13.5	10.6	16.0





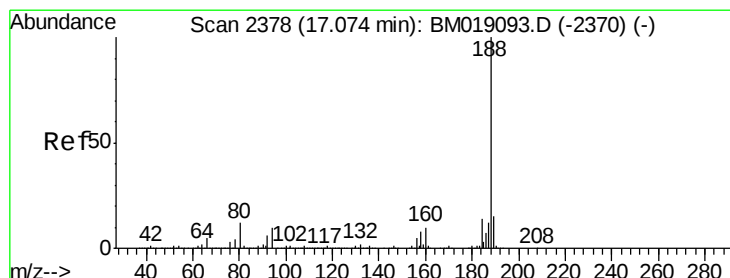
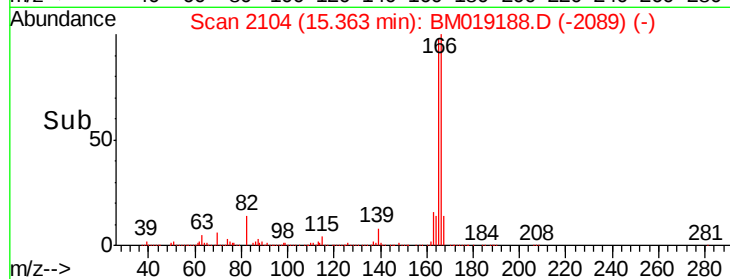
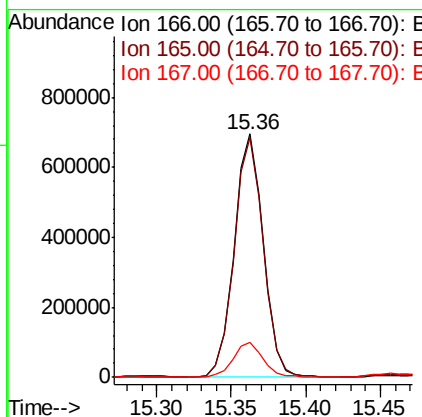
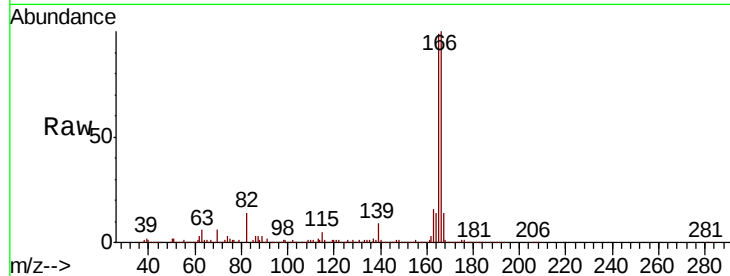
#58
 Fluorene
 Concen: 17.878 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Instrument :
 BNA_M
 ClientSampled :
 MW-4ADL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.0	118.4
167	14.1	10.8	16.2

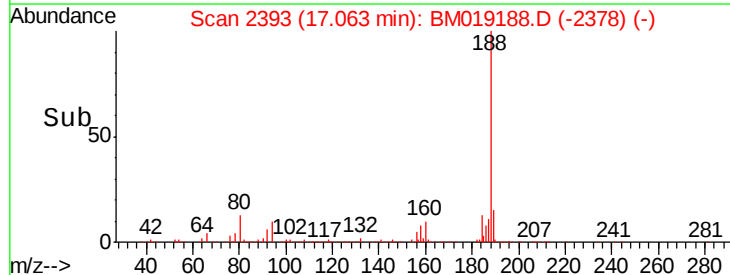
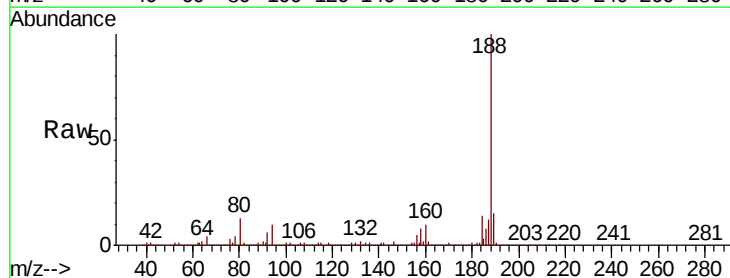
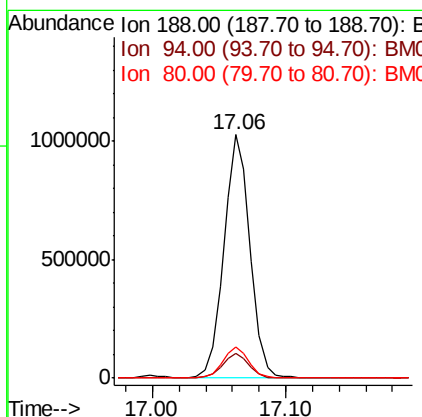
Manual Integrations
 APPROVED

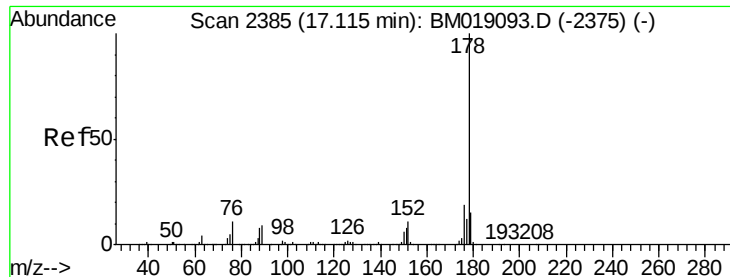
Sohil
 3/18/2019 3:04:31 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.06 min Scan# 2393
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.1	12.1
80	12.6	9.7	14.5





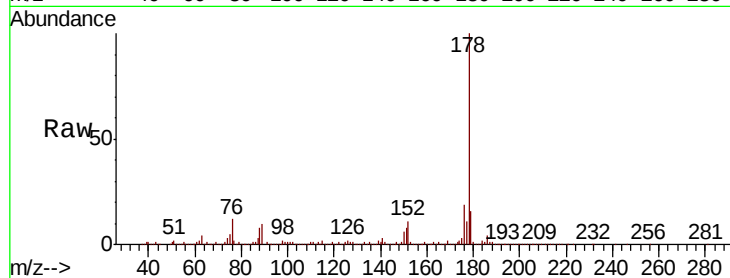
#71
Phenanthrene
Concen: 9.502 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		777746		
176	19.5	15.3	22.9		
179	15.5	12.2	18.2		

Manual Integrations
APPROVED

Sohil
3/18/2019 3:04:31 PM

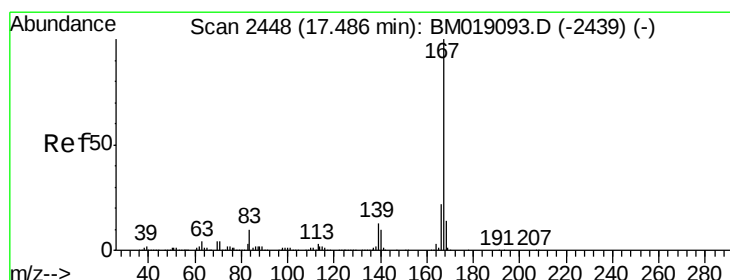
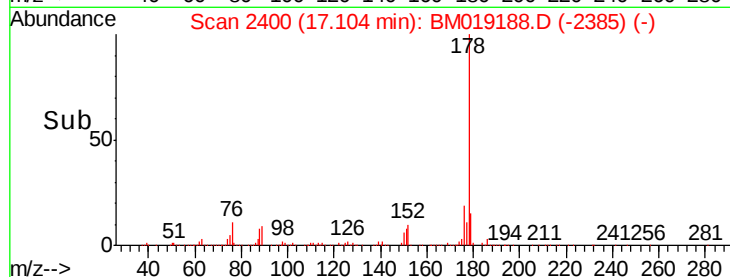
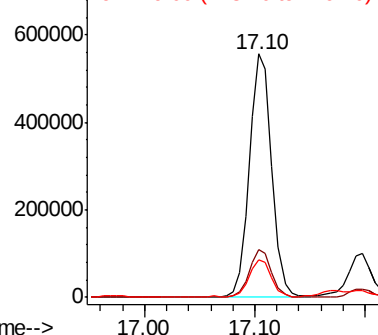


Abundance

Ion 178.00 (177.70 to 178.70): E

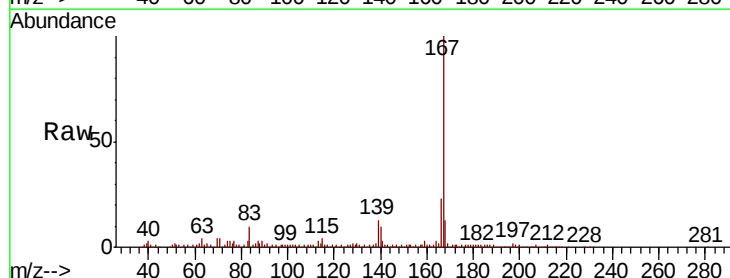
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73
Carbazole
Concen: 4.501 ng
RT: 17.48 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
167	100		340411		
166	22.7	17.8	26.8		
139	13.0	10.5	15.7		

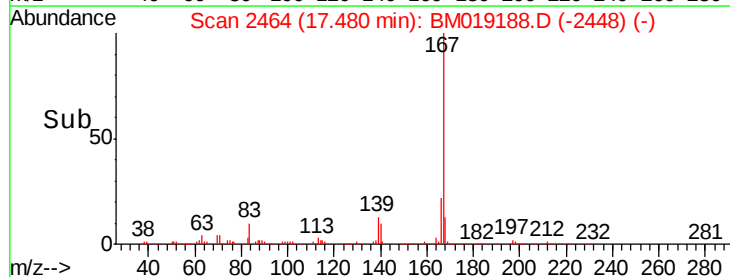
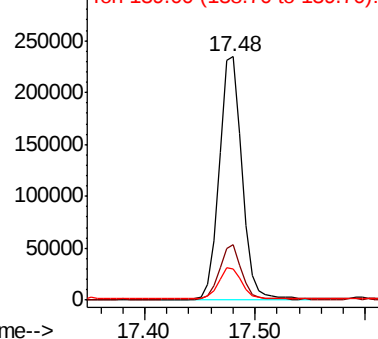


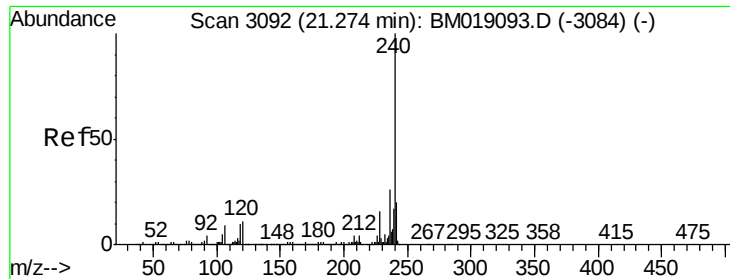
Abundance

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





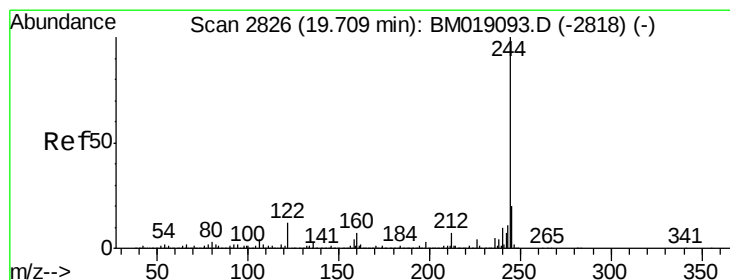
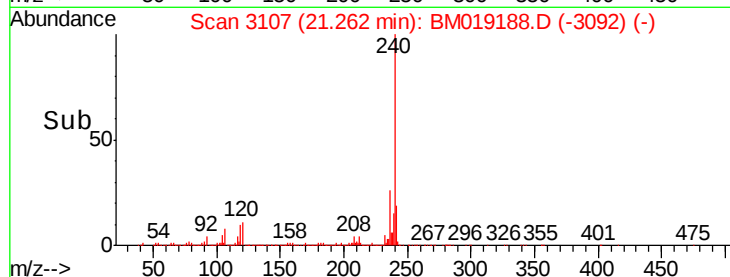
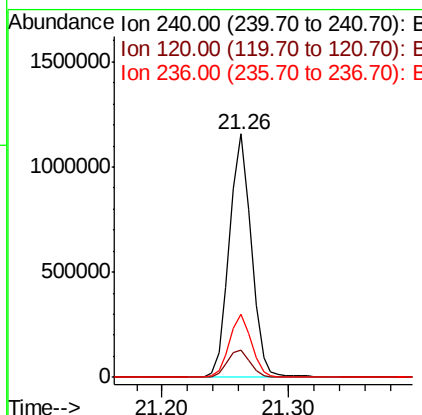
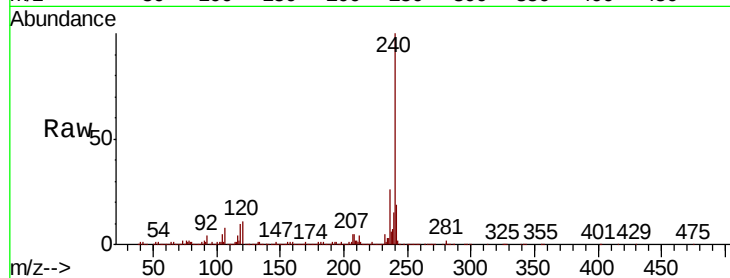
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.26 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Instrument :
BNA_M
ClientSampleId :
MW-4ADL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	25.7	21.0	31.4

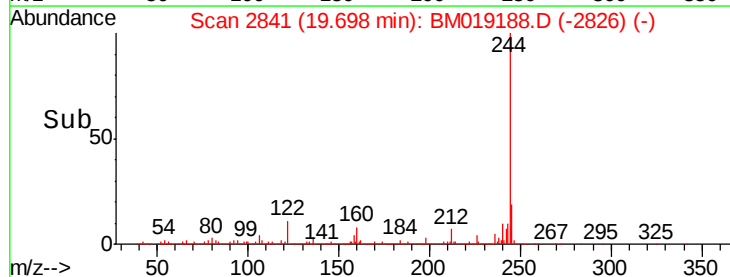
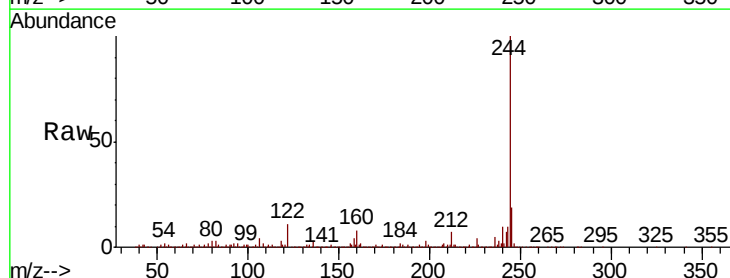
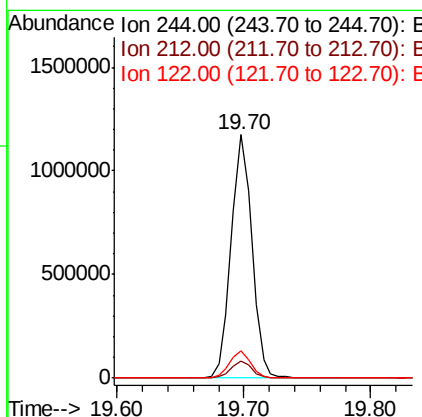
Manual Integrations
APPROVED

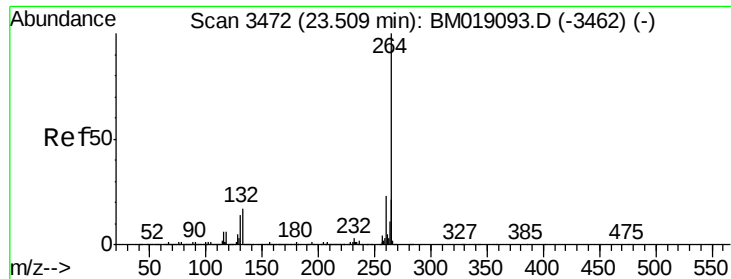
Sohil
3/18/2019 3:04:31 PM



#79
Terphenyl-d14
Concen: 19.019 ng
RT: 19.70 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BM019188.D
Acq: 15 Mar 2019 16:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.1	9.4	14.2





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.50 min Scan# 3487
 Delta R.T. -0.01 min
 Lab File: BM019188.D
 Acq: 15 Mar 2019 16:13

Instrument :
 BNA_M
 ClientSampleId :
 MW-4ADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	22.0	17.3	25.9

Manual Integrations
 APPROVED

Sohil
 3/18/2019 3:04:31 PM

