

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
 Data File : BM018526.D
 Acq On : 11 Jan 2019 01:41
 Operator : JU/SJ
 Sample : K1099-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-19-20

Manual Integrations
 APPROVED

Sohil
 1/11/2019 4:41:13 PM

Quant Time: Jan 11 04:19:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 10 05:57:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	784117	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	3199203	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	1763445	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	3686766	20.00	ng	0.00
76) Chrysene-d12	21.35	240	2798830	20.00	ng	0.00
87) Perylene-d12	23.64	264	2635139	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	5986493	140.97	ng	0.00
7) Phenol-d6	6.95	99	7831312	145.20	ng	0.01
23) Nitrobenzene-d5	8.93	82	4885999	88.54	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	3146714	140.14	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	10861779	80.37	ng	0.00
79) Terphenyl-d14	19.79	244	11594023	87.32	ng	0.00
Target Compounds						
10) Phenol	6.96	94	129220	2.358	ng	Qvalue # 70
50) Dimethylphthalate	13.87	163	2908420	20.082	ng	100
71) Phenanthrene	17.20	178	583776	2.977	ng	99
75) Fluoranthene	19.22	202	1282804	5.674	ng	98
78) Pyrene	19.58	202	1299739	7.834	ng	99
81) Benzo(a)anthracene	21.33	228	736623	4.468	ng	96
83) Chrysene	21.39	228	712621	4.476	ng	97
86) Indeno(1,2,3-cd)pyrene	25.94	276	609758	3.321	ng	# 91
88) Benzo(b)fluoranthene	22.94	252	1075422	7.189	ng	97
89) Benzo(k)fluoranthene	22.99	252	359456m	2.384	ng	
90) Benzo(a)pyrene	23.53	252	808326	5.644	ng	99
92) Benzo(a,h,i)perylene	26.66	276	602104	4.264	ng	98

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

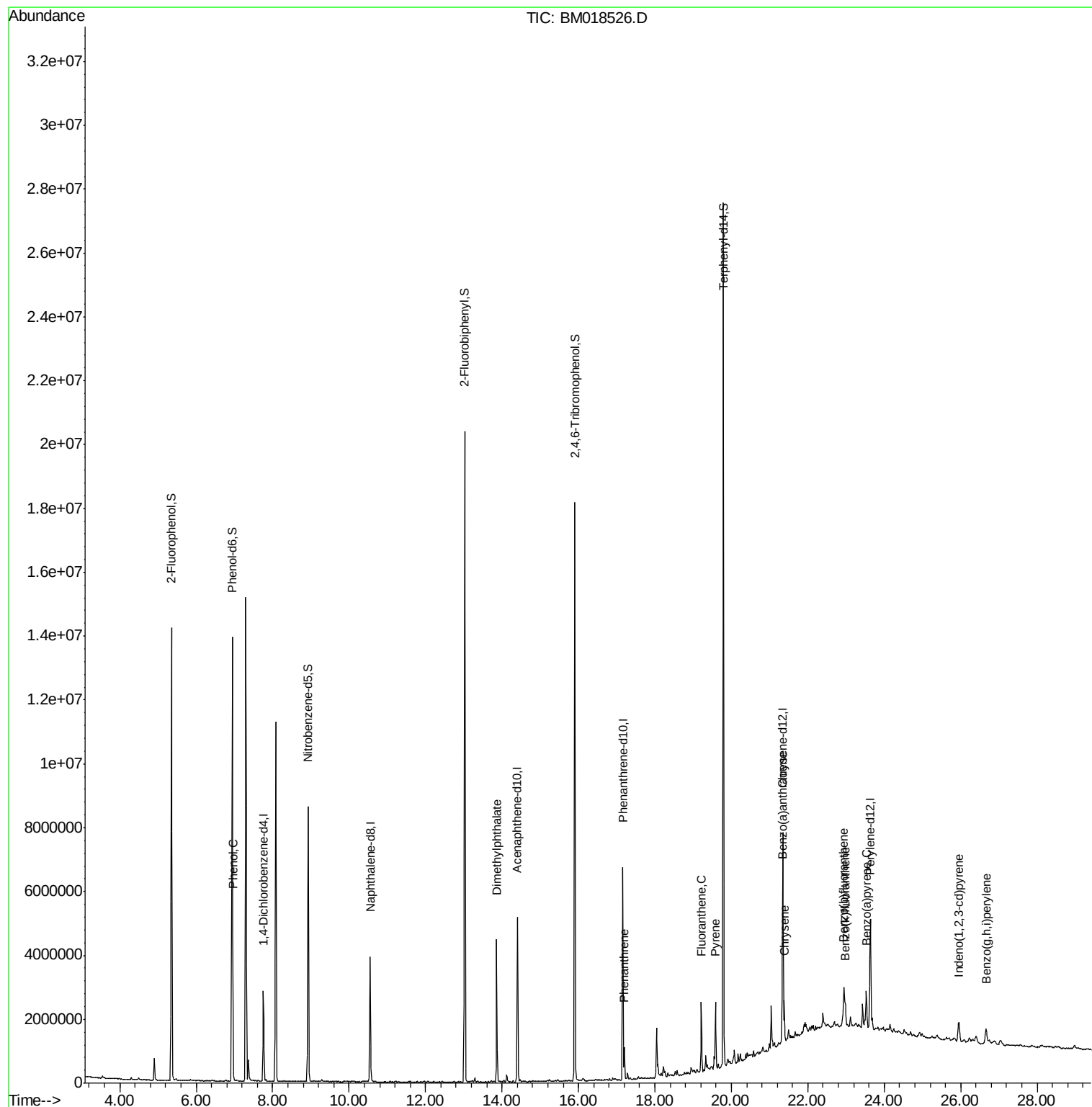
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
Data File : BM018526.D
Acq On : 11 Jan 2019 01:41
Operator : JU/SJ
Sample : K1099-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

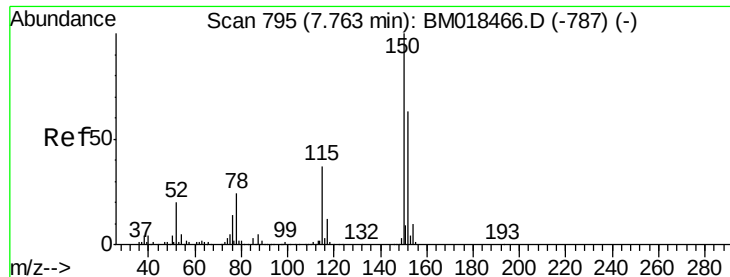
Instrument :
BNA_M
ClientSampleId :
TP-19-20

Manual Integrations
APPROVED

Sohil
1/11/2019 4:41:13 PM

Quant Time: Jan 11 04:19:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 10 05:57:41 2019
Response via : Initial Calibration





#1

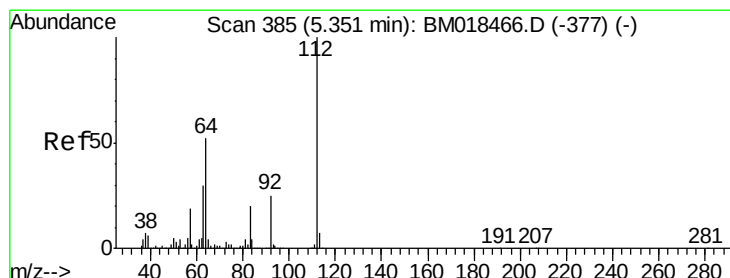
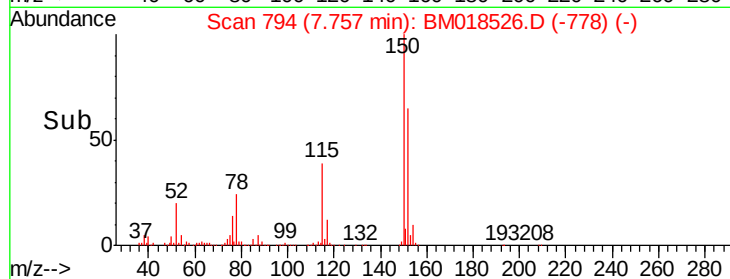
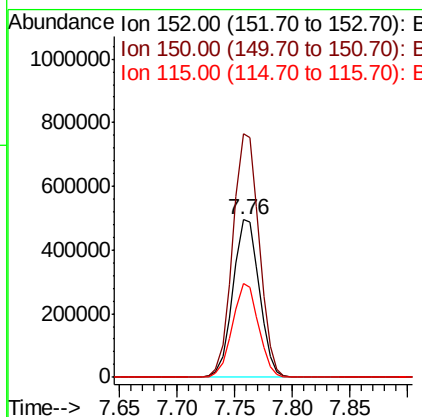
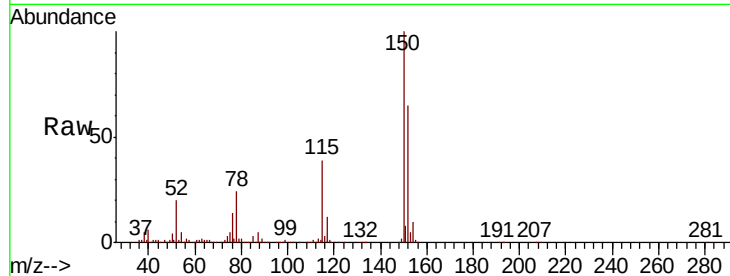
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampled :
TP-19-20

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.9	190.3
115	59.7	45.5	68.3

Manual Integrations
APPROVED

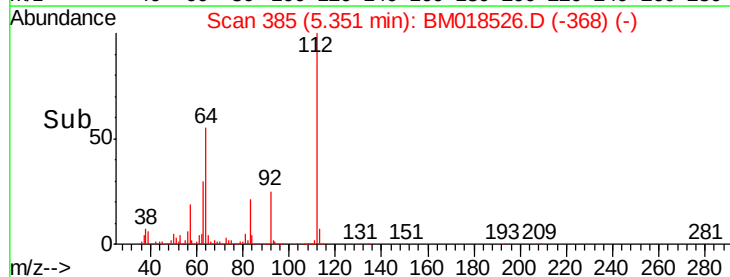
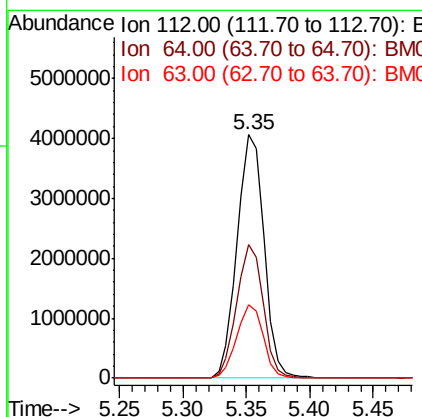
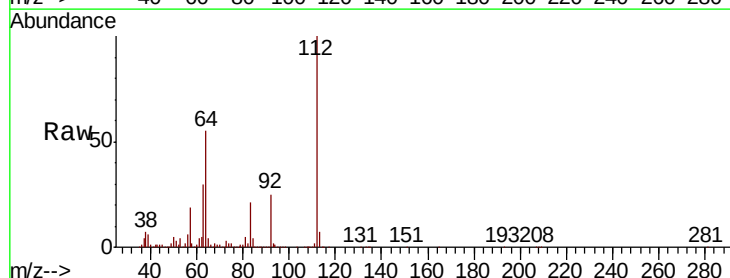
Sohil
1/11/2019 4:41:13 PM

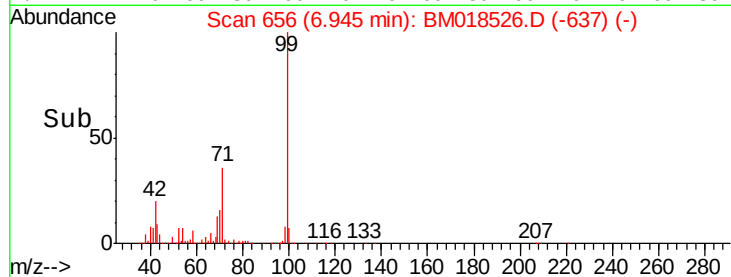
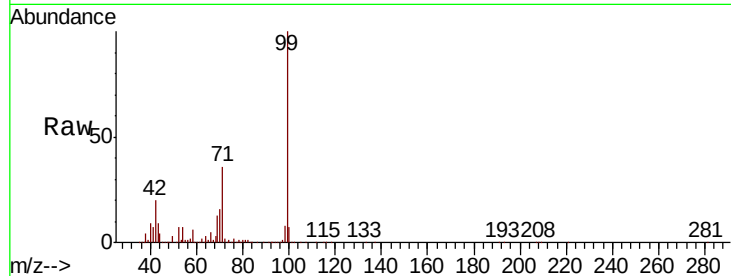
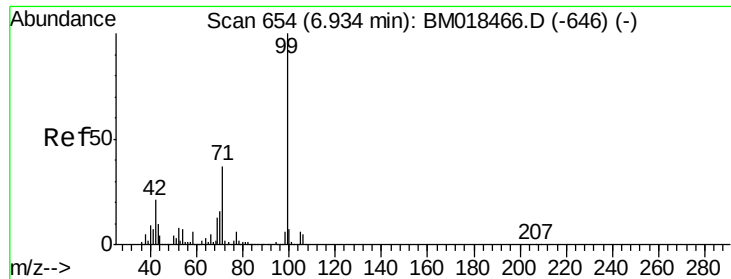


#5

2-Fluorophenol
Concen: 140.974 ng
RT: 5.35 min Scan# 385
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.5	69.7
63	29.9	25.2	37.8





#7

Phenol-d6

Concen: 145.197 ng

RT: 6.95 min Scan# 656

Delta R.T. 0.01 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Tot Ion: 99 Resp: 7831312

Ion Ratio Lower Upper

99 100

42 19.8 17.3 25.9

71 36.3 28.0 42.0

Instrument :

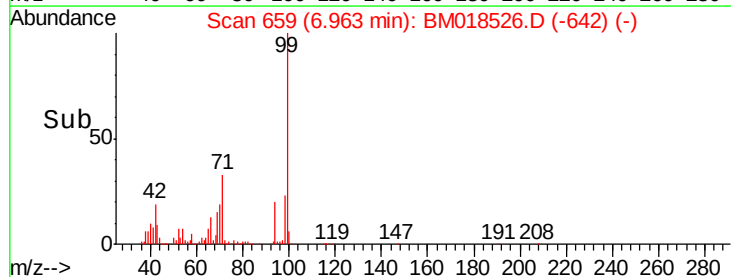
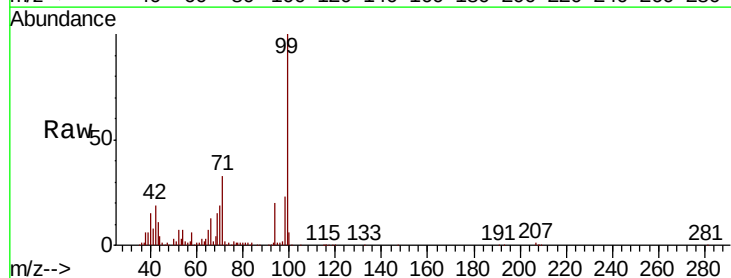
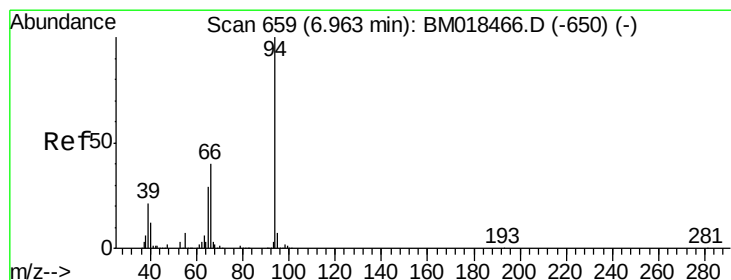
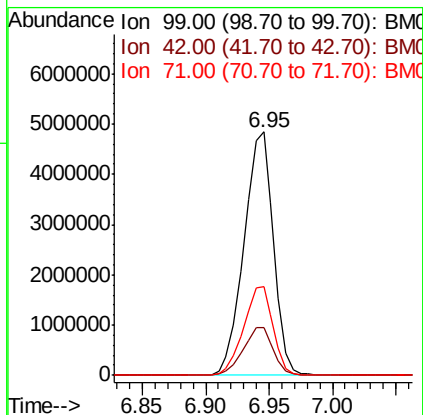
BNA_M

ClientSampleId :

TP-19-20

Manual Integrations
APPROVED

Sohil
1/11/2019 4:41:13 PM



#10

Phenol

Concen: 2.358 ng

RT: 6.96 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

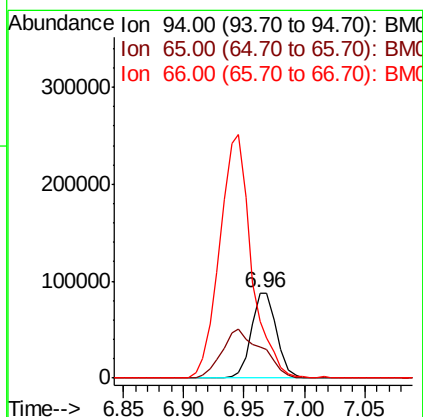
Tgt Ion: 94 Resp: 129220

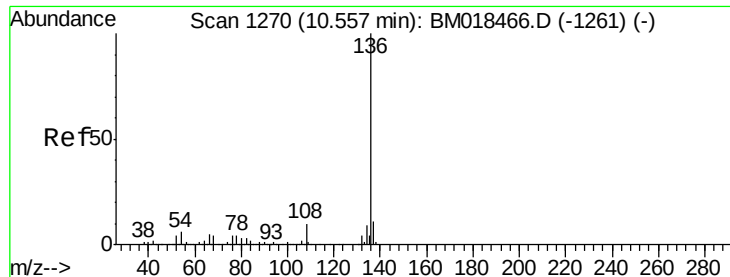
Ion Ratio Lower Upper

94 100

65 35.9 9.4 49.4

66 65.9 19.1 59.1#





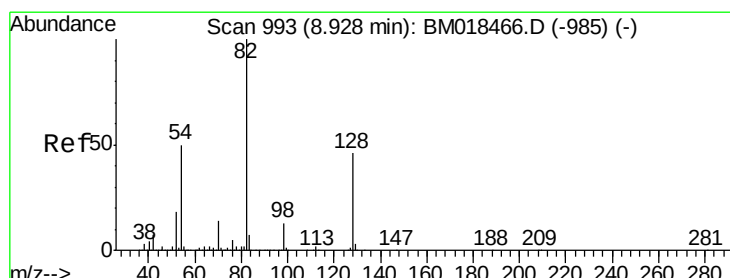
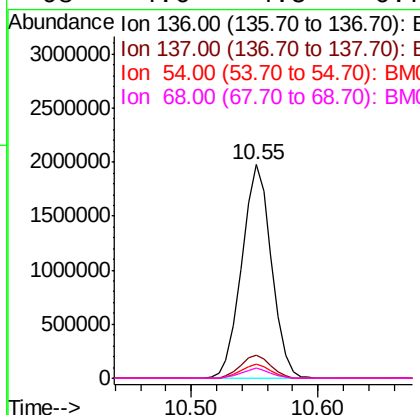
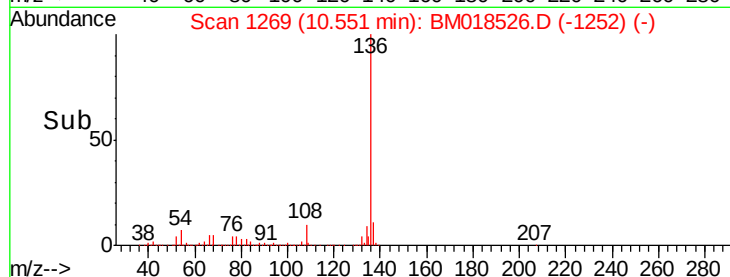
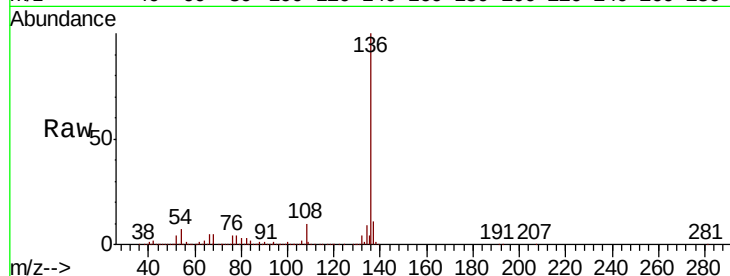
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.55 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampleId :
TP-19-20

Tot Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	6.5	6.0	9.0	
68	4.6	4.5	6.7	

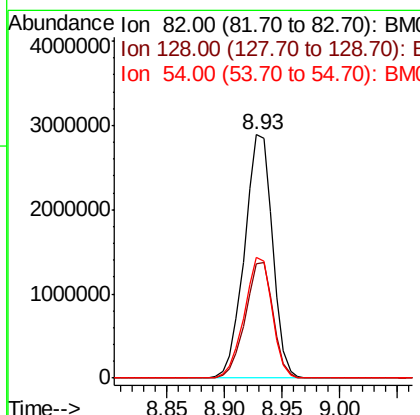
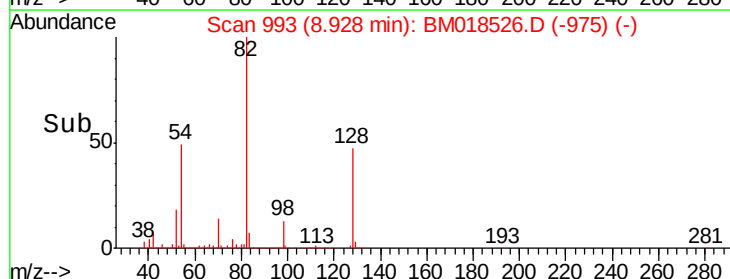
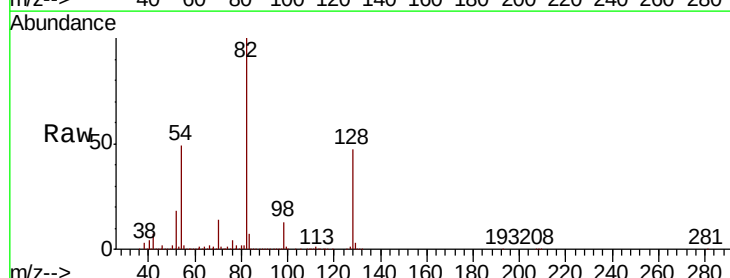
Manual Integrations
APPROVED

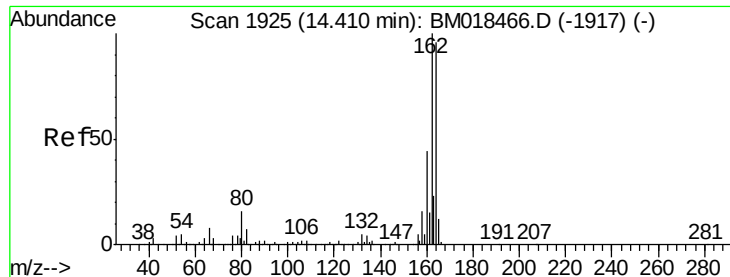
Sohil
1/11/2019 4:41:13 PM



#23
Nitrobenzene-d5
Concen: 88.536 ng
RT: 8.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion	Ion	Ratio	Lower	Upper
82	100			
128	46.9	36.3	54.5	
54	49.4	41.7	62.5	





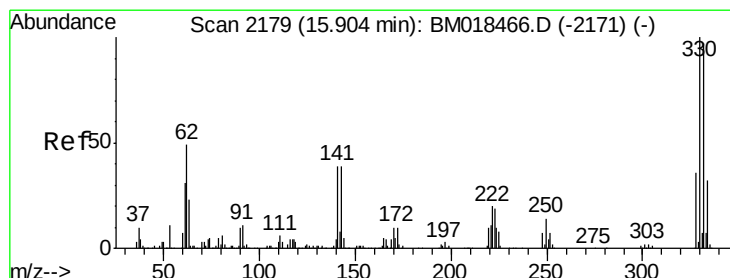
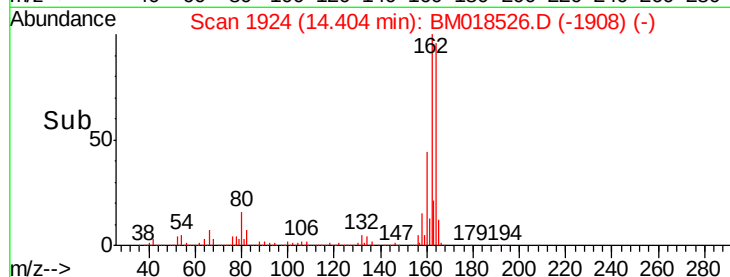
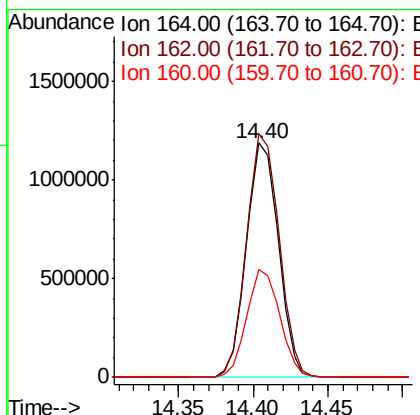
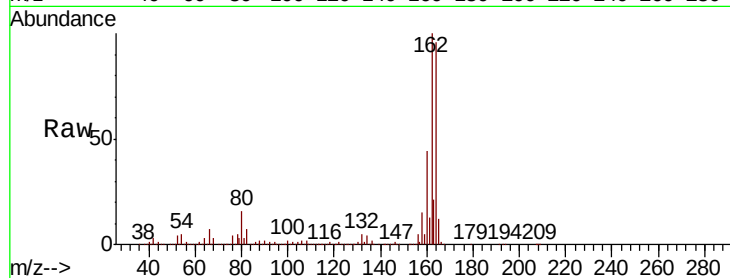
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampled :
TP-19-20

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.0	124.4
160	46.2	37.1	55.7

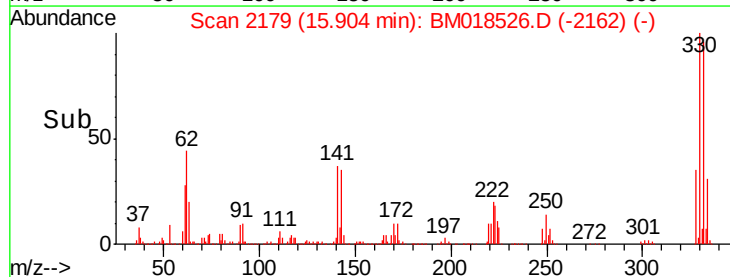
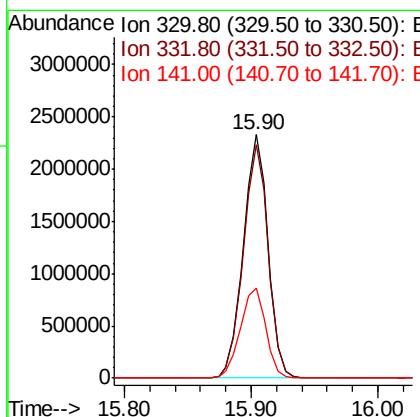
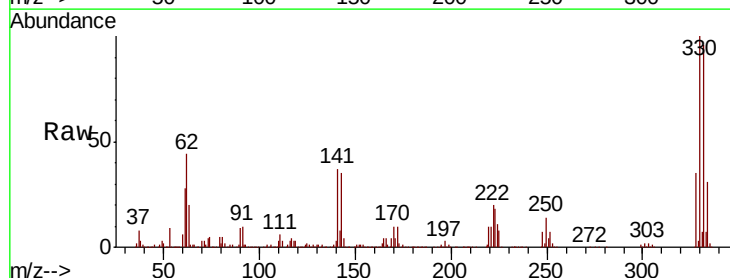
Manual Integrations
APPROVED

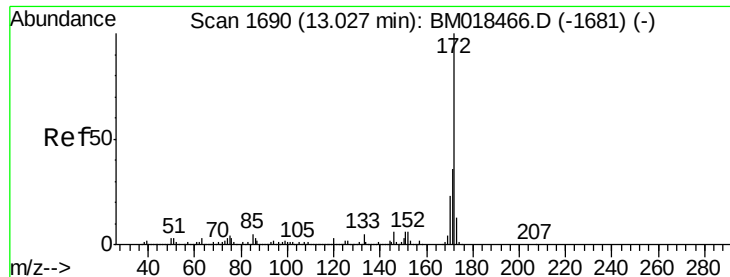
Sohil
1/11/2019 4:41:13 PM



#42
2,4,6-Tribromophenol
Concen: 140.143 ng
RT: 15.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	37.9	31.7	47.5





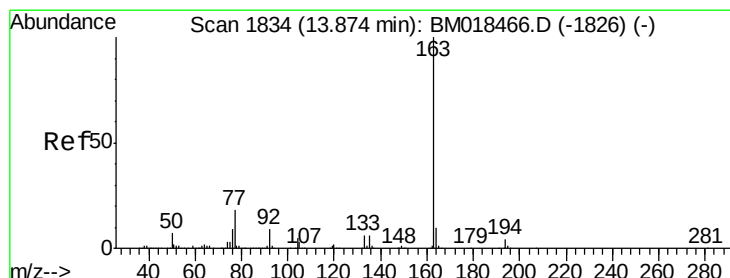
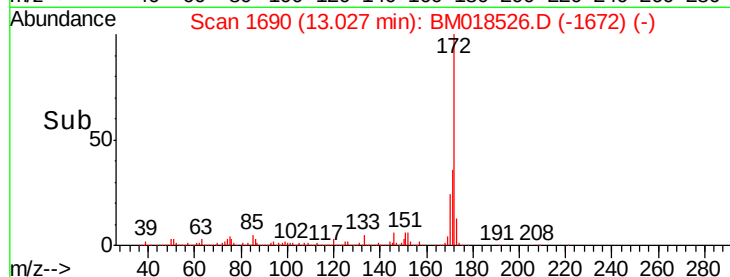
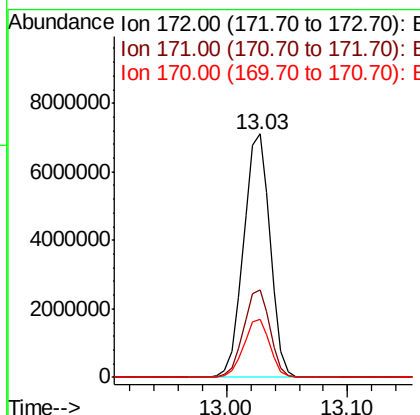
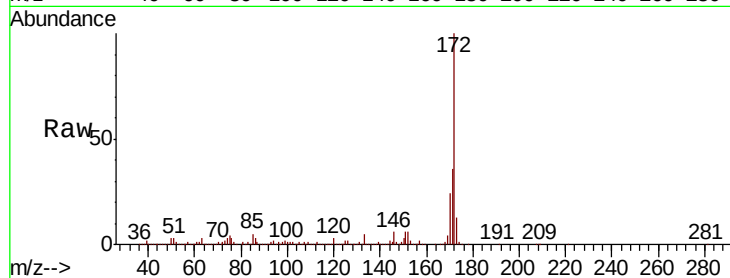
#45
2-Fluorobiphenyl
Concen: 80.372 ng
RT: 13.03 min Scan# 1690
Delta R.T. 0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampleId :
TP-19-20

Tot Ion:172 Resp:10861779
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.4
170 23.6 18.9 28.3

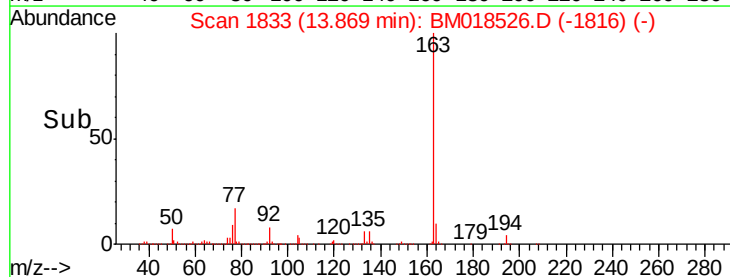
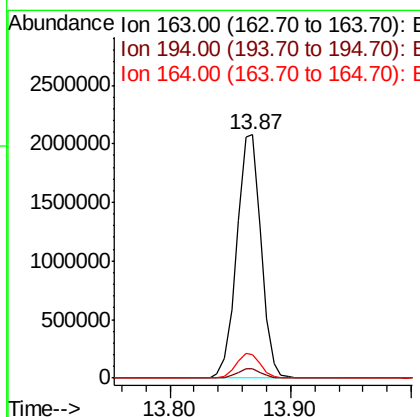
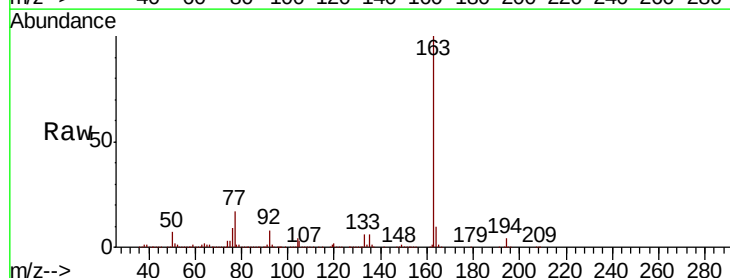
Manual Integrations
APPROVED

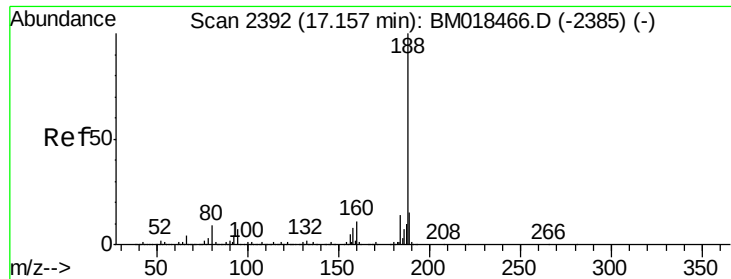
Sohil
1/11/2019 4:41:13 PM



#50
Dimethylphthalate
Concen: 20.082 ng
RT: 13.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion:163 Resp: 2908420
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 9.7 7.8 11.8





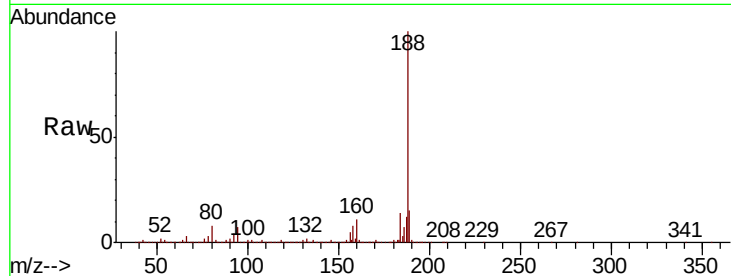
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2392
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampleId :
TP-19-20

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.1	10.7
80	8.1	7.6	11.4

Manual Integrations
APPROVED

Sohil
1/11/2019 4:41:13 PM

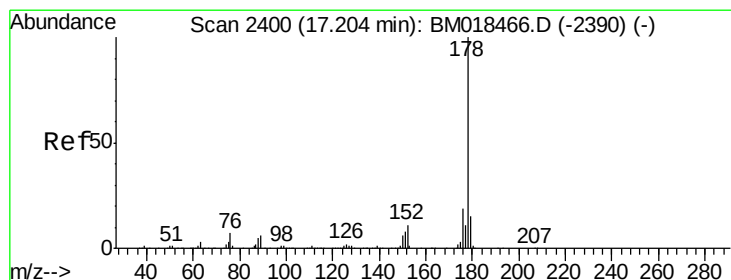
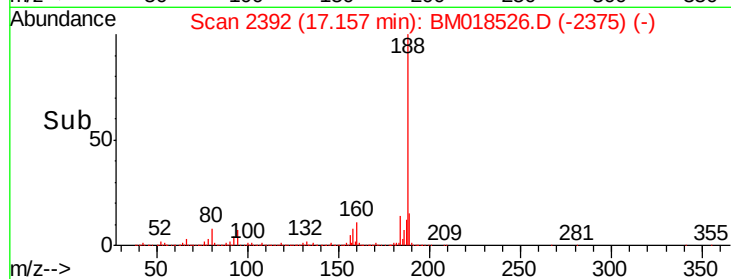
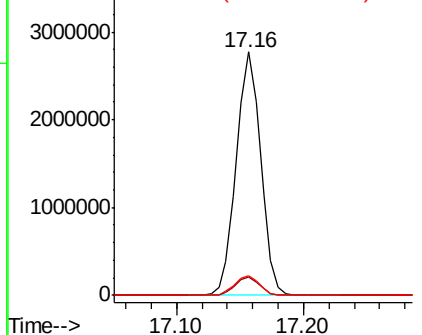


Abundance

Ion 188.00 (187.70 to 188.70): E

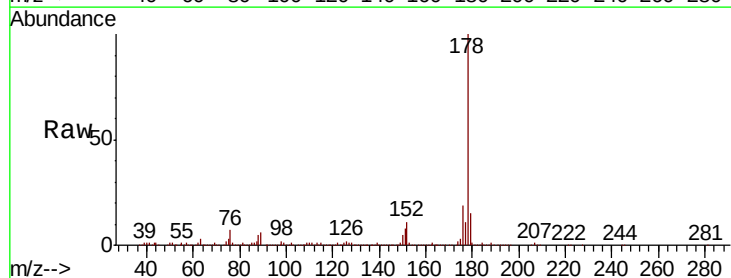
Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71
Phenanthrene
Concen: 2.977 ng
RT: 17.20 min Scan# 2399
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.2	12.2	18.4

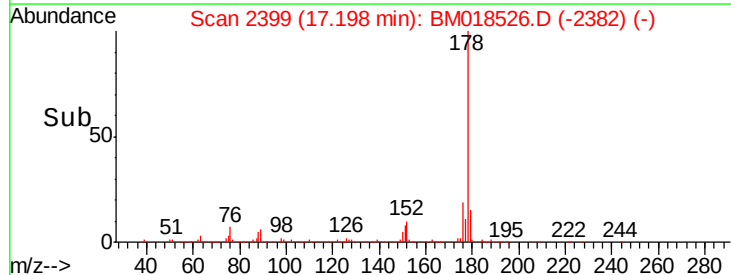
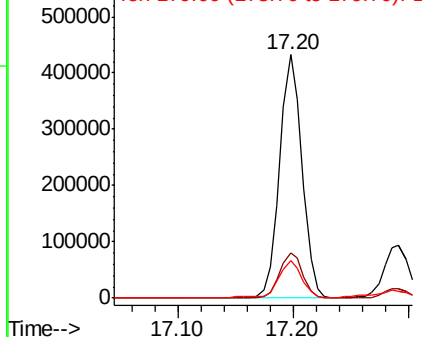


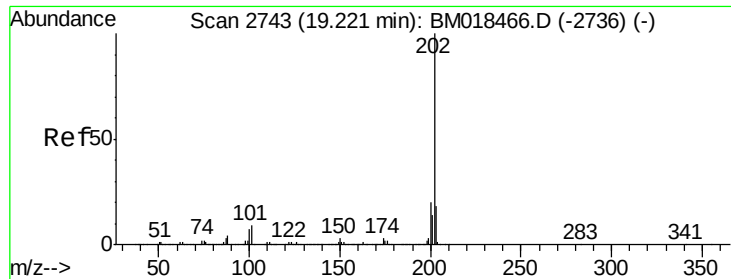
Abundance

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





#75

Fluoranthene

Concen: 5.674 ng

RT: 19.22 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

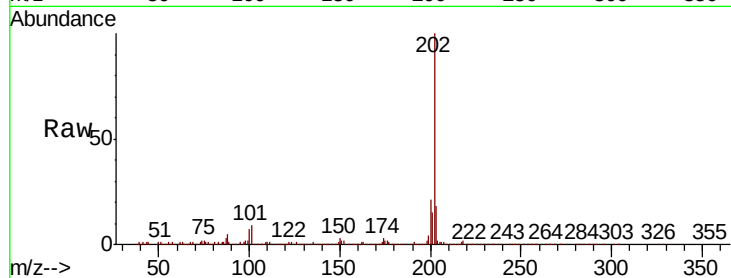
ClientSampleId :

TP-19-20

Tot Ion:	202	Resp:	1282804
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.9
203	17.9	0.0	37.4

Manual Integrations
APPROVED

Sohil
1/11/2019 4:41:13 PM

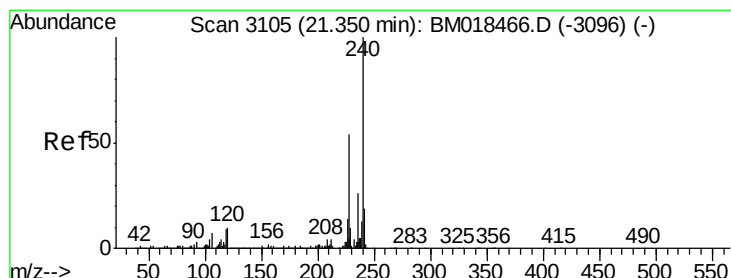
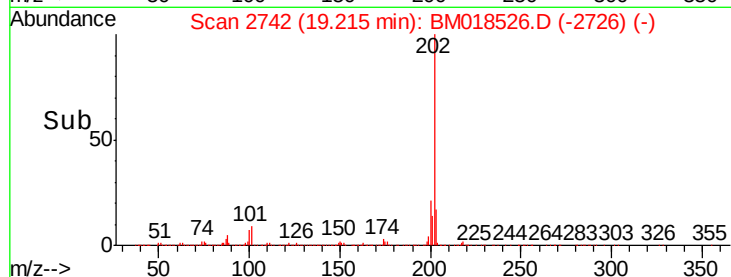
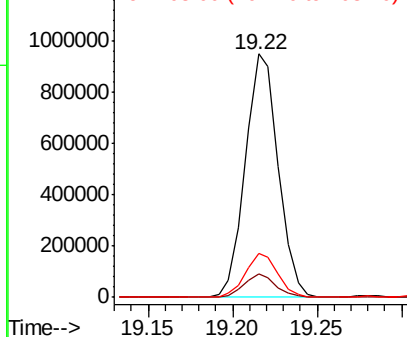


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.35 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

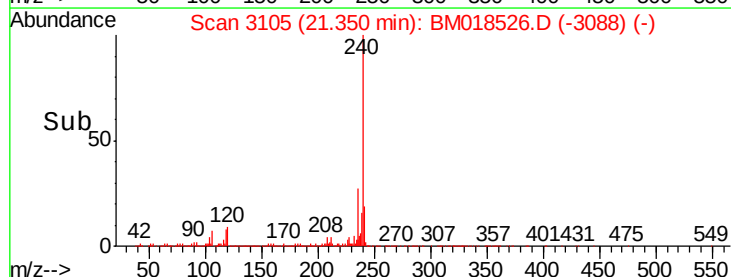
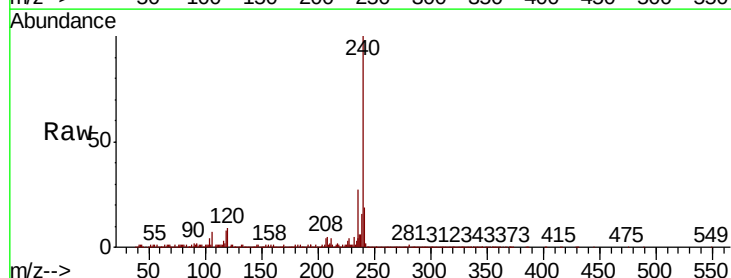
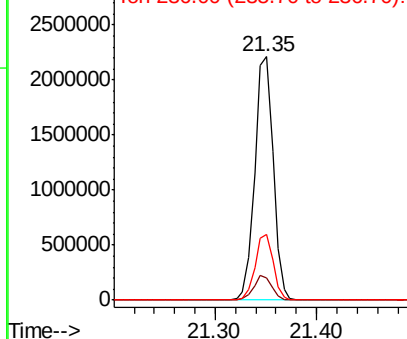
Tgt Ion:	240	Resp:	2798830
Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.4	12.6
236	26.7	20.7	31.1

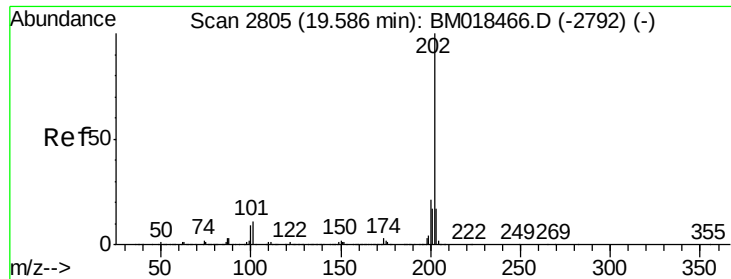
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





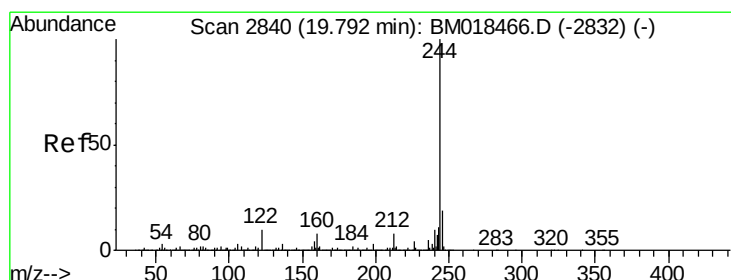
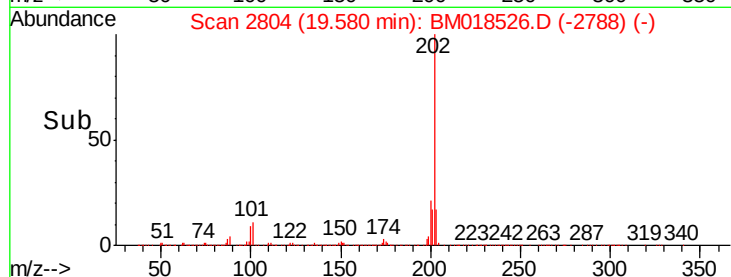
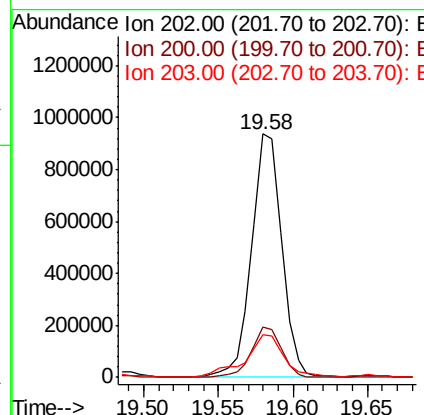
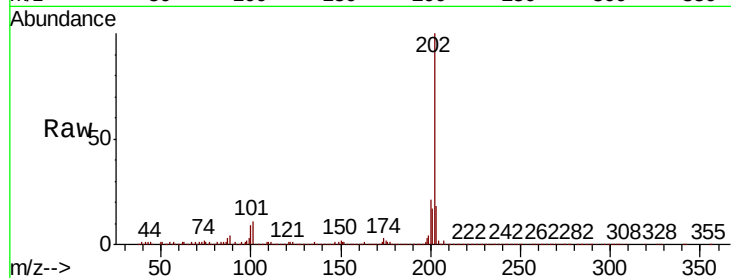
#78
Pvrene
Concen: 7.834 ng
RT: 19.58 min Scan# 2804
Delta R.T. -0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampleId :
TP-19-20

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	17.8	13.8	20.8

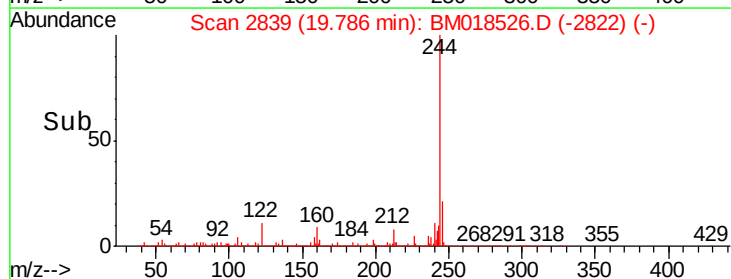
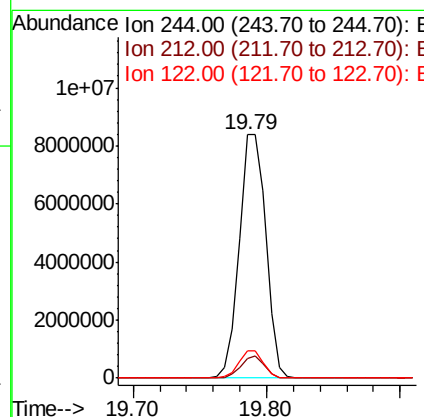
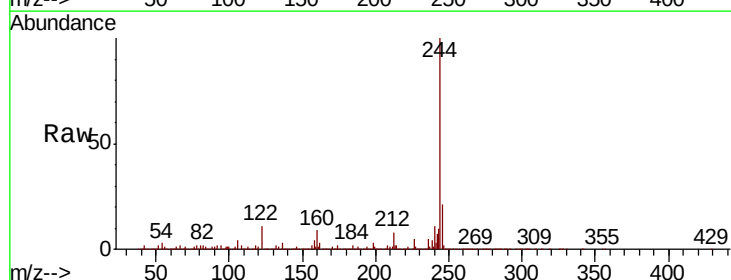
Manual Integrations
APPROVED

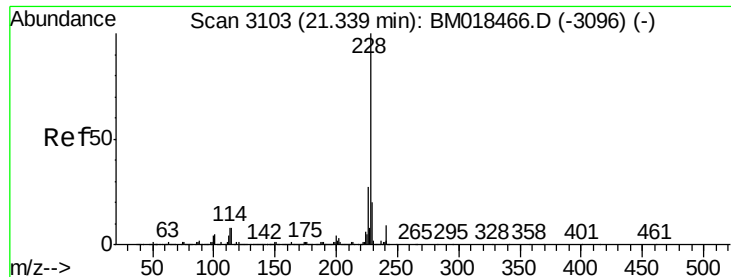
Sohil
1/11/2019 4:41:13 PM



#79
Terphenyl-d14
Concen: 87.324 ng
RT: 19.79 min Scan# 2839
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.9	8.9
122	11.3	9.0	13.4





#81

Benzo(a)anthracene

Concen: 4.468 ng

RT: 21.33 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

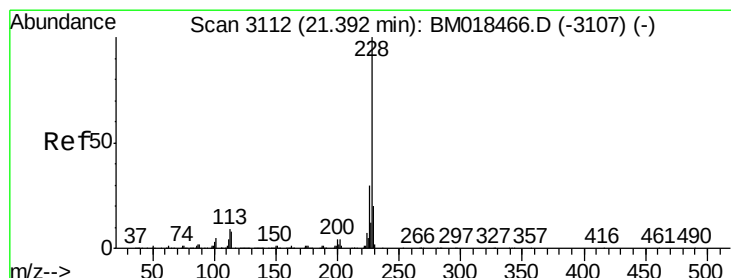
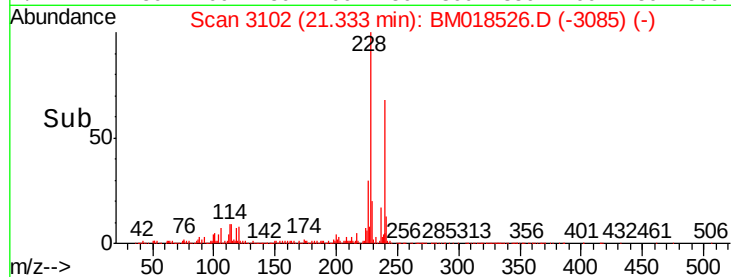
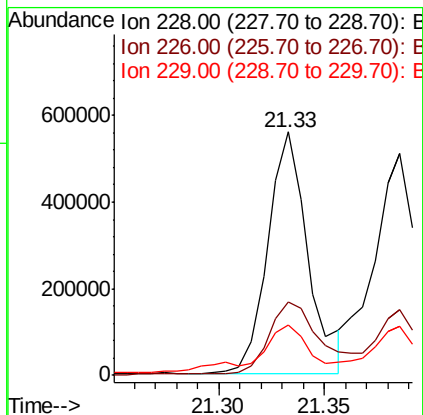
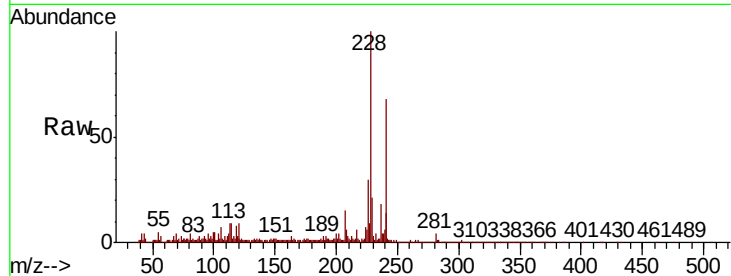
ClientSampled :

TP-19-20

Tot Ion:	228	Resp:	736623
Ion Ratio	Lower	Upper	
228	100		
226	30.4	21.8	32.6
229	20.7	15.8	23.8

Manual Integrations
APPROVED

Sohil
1/11/2019 4:41:13 PM



#83

Chrysene

Concen: 4.476 ng

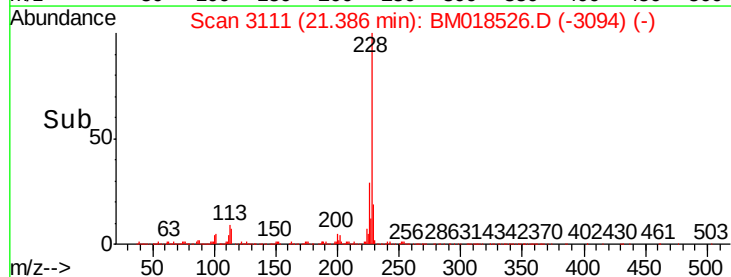
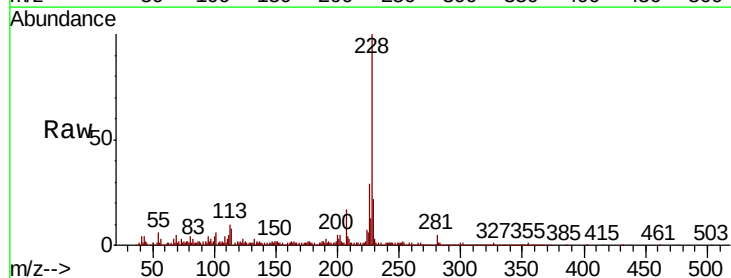
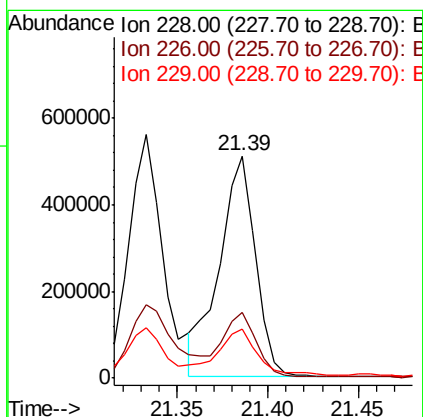
RT: 21.39 min Scan# 3111

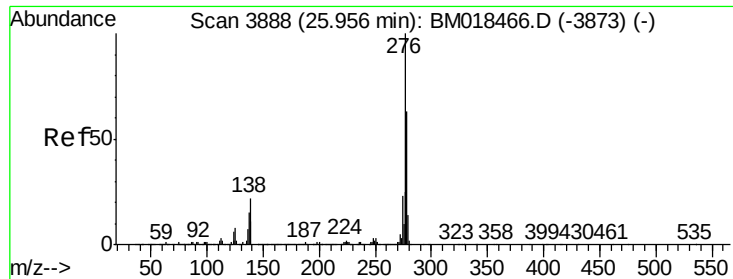
Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Tgt Ion:	228	Resp:	712621
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.2	36.2
229	21.8	15.6	23.4





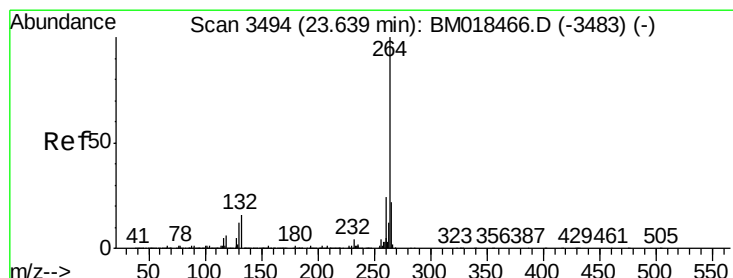
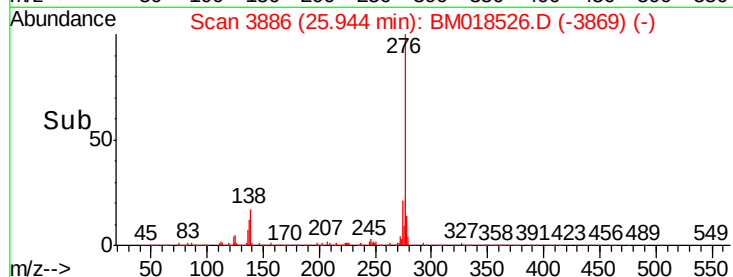
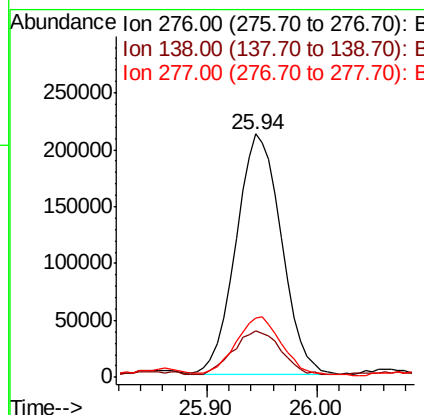
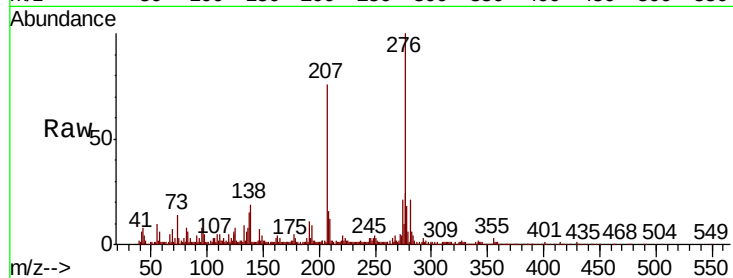
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.321 ng
RT: 25.94 min Scan# 3886
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampled :
TP-19-20

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	21.5	32.3#
277	24.1	20.2	30.2

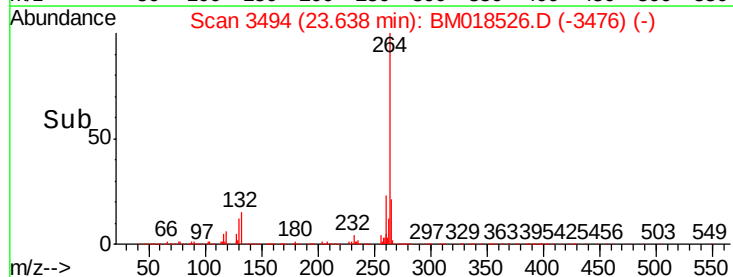
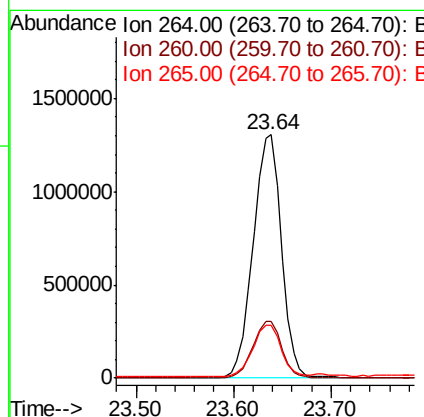
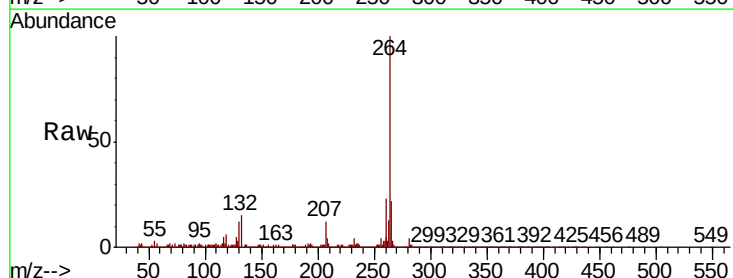
Manual Integrations
APPROVED

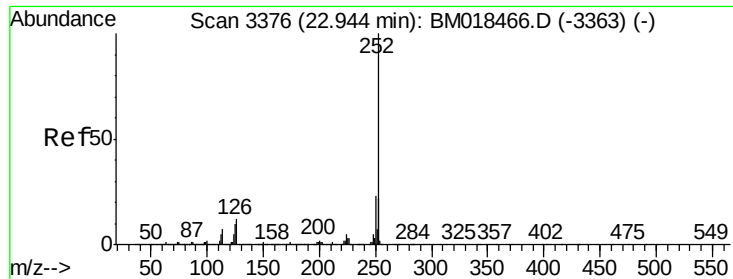
Sohil
1/11/2019 4:41:13 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3494
Delta R.T. 0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	21.7	16.8	25.2





#88

Benzo(b)fluoranthene

Concen: 7.189 ng

RT: 22.94 min Scan# 3376

Delta R.T. 0.01 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

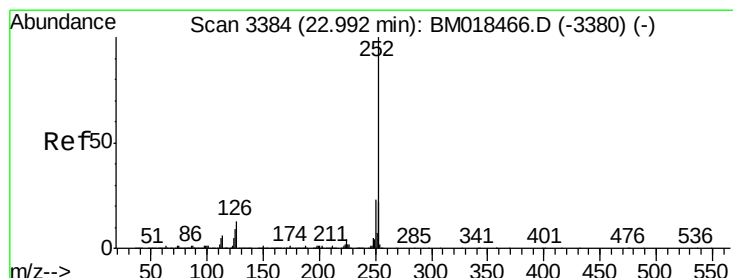
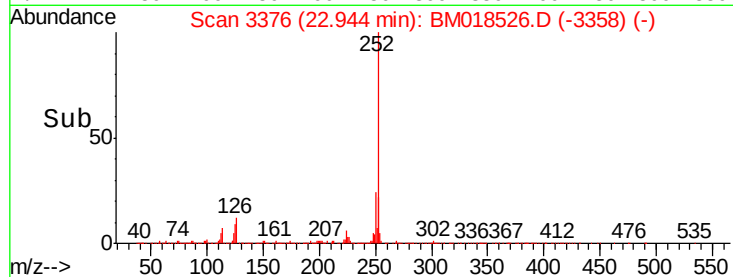
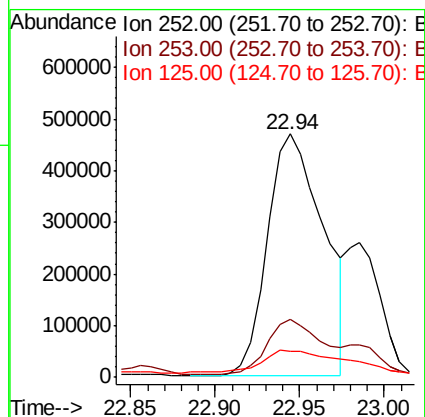
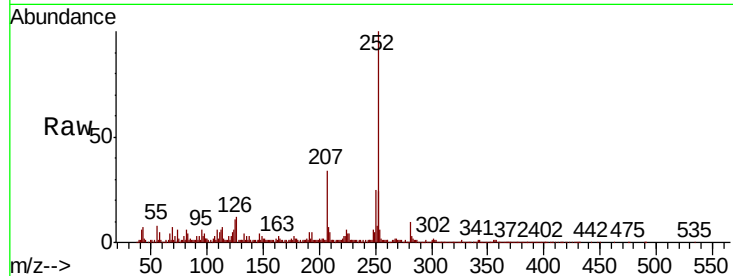
ClientSampled :

TP-19-20

Tot Ion:	252	Resp:	1075422
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	10.6	8.5	12.7

Manual Integrations
APPROVED

Sohil
1/11/2019 4:41:13 PM



#89

Benzo(k)fluoranthene

Concen: 2.384 ng m

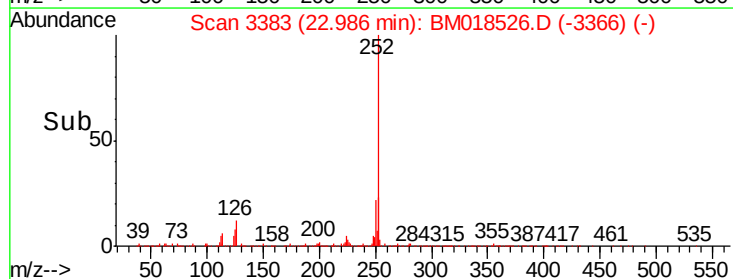
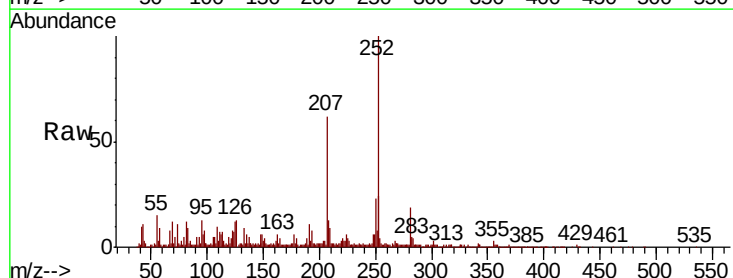
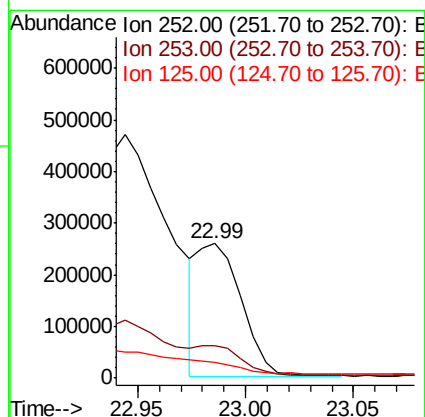
RT: 22.99 min Scan# 3383

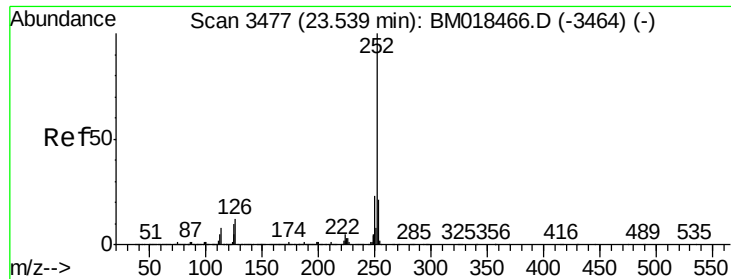
Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Tgt Ion:	252	Resp:	359456
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	11.9	8.6	12.8





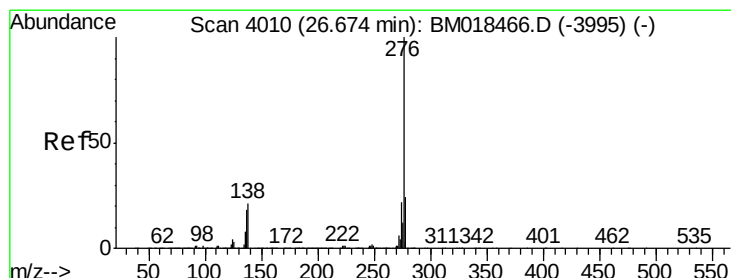
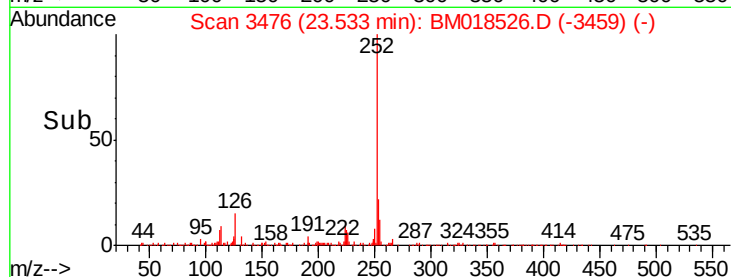
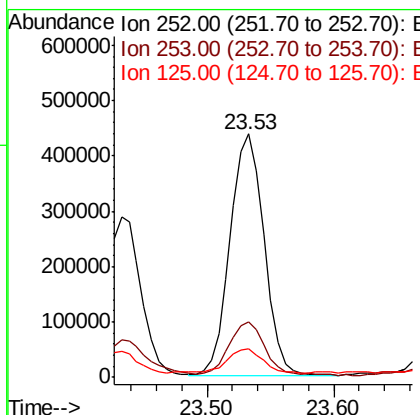
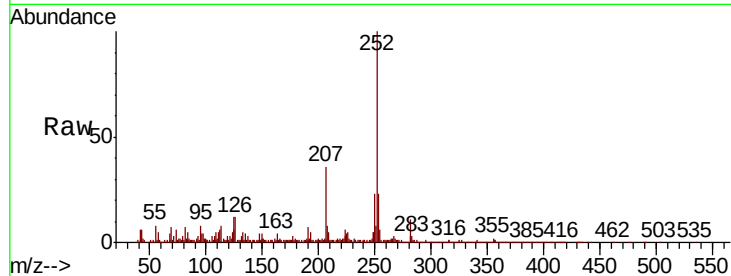
#90
Benzo(a)pyrene
Concen: 5.644 ng
RT: 23.53 min Scan# 3476
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampled :
TP-19-20

Tot Ion:	252	Resp:	808326
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	11.9	9.7	14.5

Manual Integrations
APPROVED

Sohil
1/11/2019 4:41:13 PM



#92
Benzo(g,h,i)perylene
Concen: 4.264 ng
RT: 26.66 min Scan# 4008
Delta R.T. 0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion:	276	Resp:	602104
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.0	28.4
138	21.5	18.1	27.1

