

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
 Data File : BF111998.D
 Acq On : 10 Jan 2019 20:10
 Operator : JU/SJ
 Sample : K1071-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-17(10-15)

Manual Integrations
 APPROVED

Sohil
 1/11/2019 4:55:04 PM

Quant Time: Jan 11 16:48:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	79895	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	196618m	20.00	ng	0.02
39) Acenaphthene-d10	9.96	164	90114m	20.00	ng	0.03
64) Phenanthrene-d10	11.42	188	228023	20.00	ng	0.00
76) Chrysene-d12	14.06	240	204590	20.00	ng	0.00
87) Perylene-d12	15.54	264	174012	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	470021	100.65	ng	-0.02
7) Phenol-d6	6.52	99	583679	96.97	ng	-0.01
23) Nitrobenzene-d5	7.45	82	483332	131.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	144777	123.52	ng	0.00
45) 2-Fluorobiphenyl	9.27	172	463856	75.06	ng	0.02
79) Terphenyl-d14	13.00	244	698872	64.84	ng	0.00
Target Compounds						
10) Phenol	6.53	94	36570	5.590	ng	94
37) 2-Methylnaphthalene	8.93	142	158461m	27.399	ng	
52) Acenaphthene	9.99	154	172353m	30.567	ng	
55) Dibenzofuran	10.16	168	194306m	23.695	ng	
58) Fluorene	10.49	166	238833m	40.026	ng	
71) Phenanthrene	11.44	178	766548	62.877	ng	99
72) Anthracene	11.49	178	130012	10.505	ng	96
75) Fluoranthene	12.64	202	453137	36.206	ng	97
78) Pyrene	12.87	202	424240	30.137	ng	100
81) Benzo(a)anthracene	14.05	228	150759	12.804	ng	# 94
83) Chrysene	14.09	228	161626	14.397	ng	# 94
84) Bis(2-ethylhexyl)phthalate	14.03	149	314294	40.213	ng	96
86) Indeno(1,2,3-cd)pyrene	17.03	276	84807	10.362	ng	98
88) Benzo(b)fluoranthene	15.11	252	204966m	19.691	ng	
89) Benzo(k)fluoranthene	15.13	252	59514m	6.082	ng	
90) Benzo(a)pyrene	15.48	252	121396	13.264	ng	# 70
91) Dibenzo(a,h)anthracene	17.04	278	22885	3.109	ng	# 33
92) Benzo(g,h,i)perylene	17.49	276	92883	12.900	ng	94

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

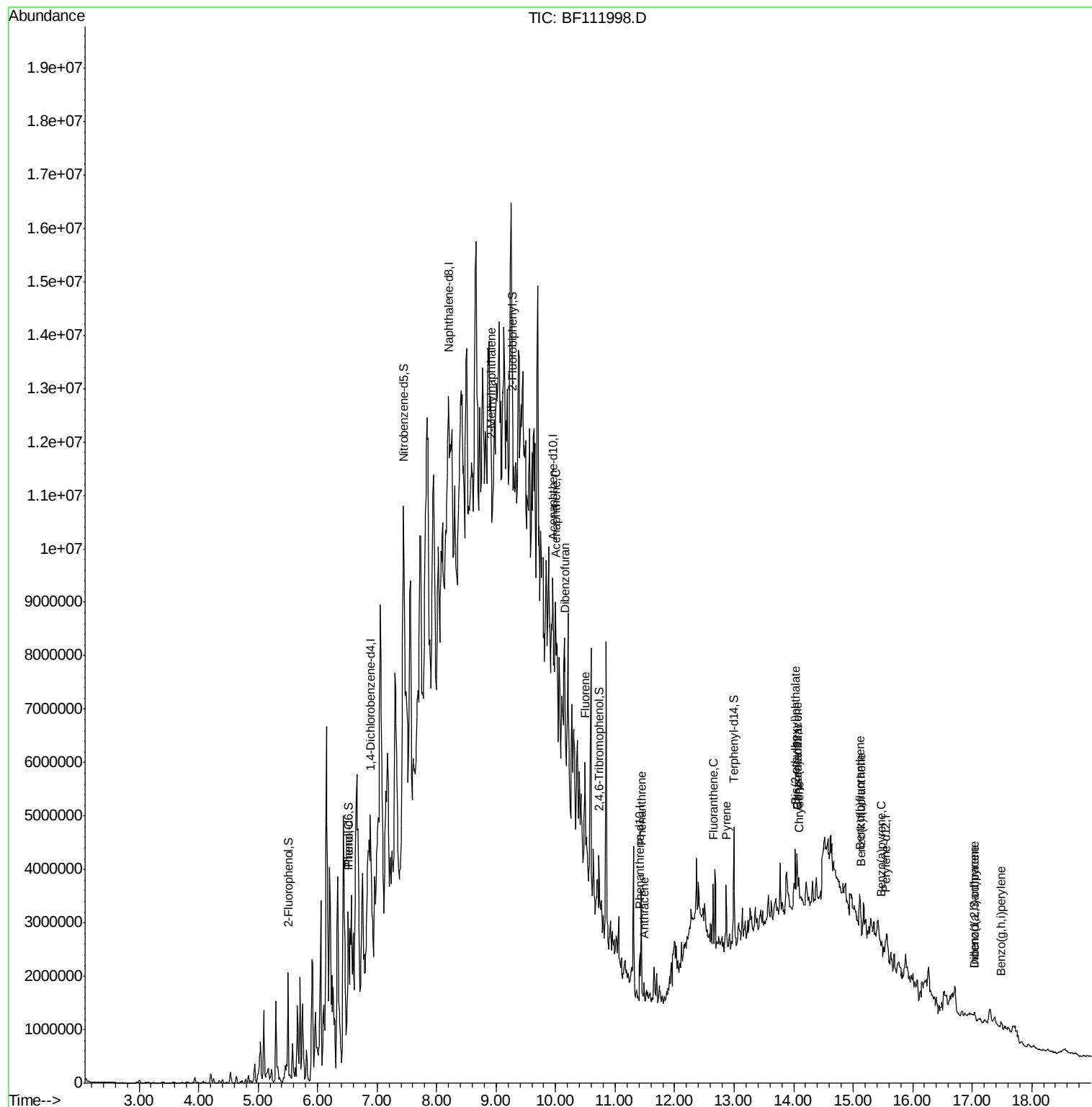
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111998.D
Acq On : 10 Jan 2019 20:10
Operator : JU/SJ
Sample : K1071-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

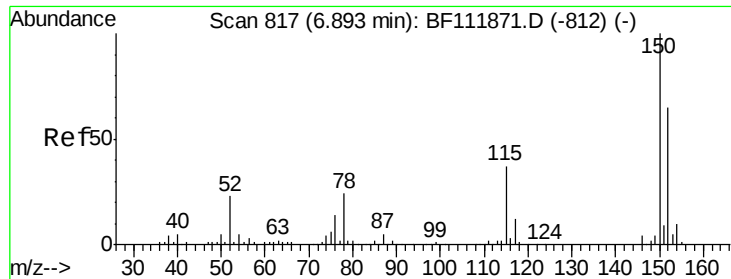
Instrument :
BNA_F
ClientSampleId :
CPSB-17(10-15)

Manual Integrations
APPROVED

Sohil
1/11/2019 4:55:04 PM

Quant Time: Jan 11 16:48:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration





#1

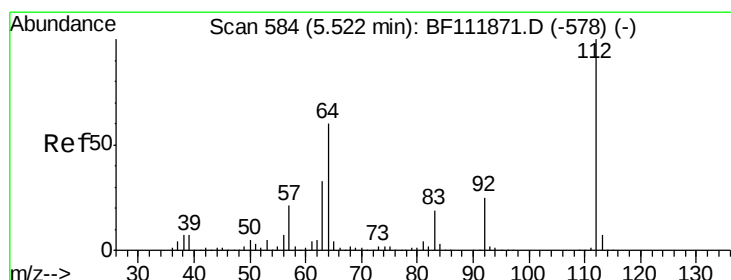
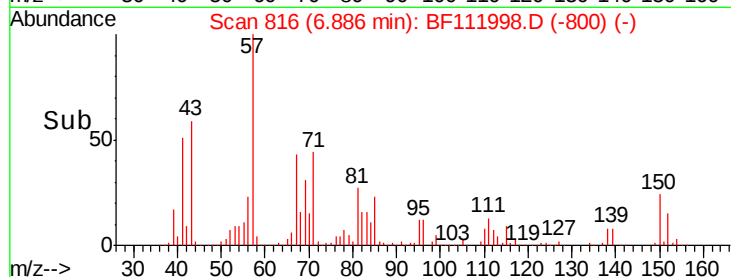
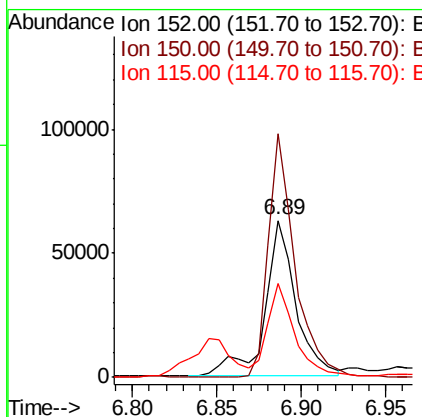
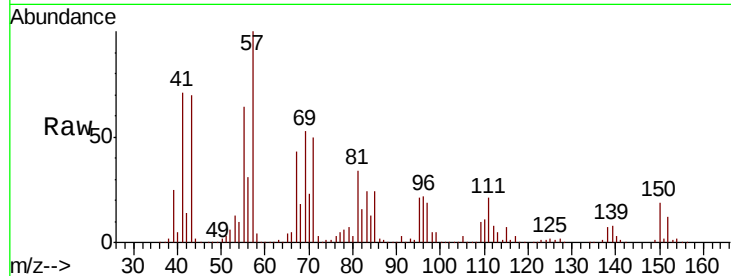
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Instrument :
BNA_F
ClientSampleId :
CPSB-17(10-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	122.7	184.1
115	60.1	45.2	67.8

Manual Integrations
APPROVED

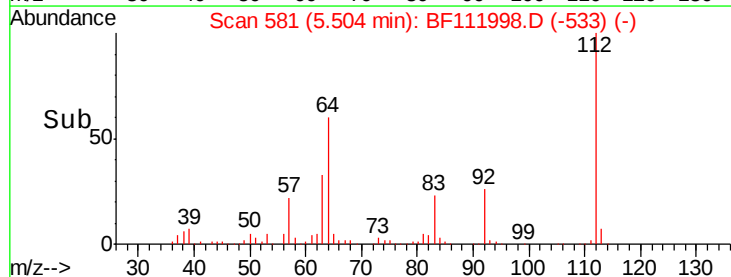
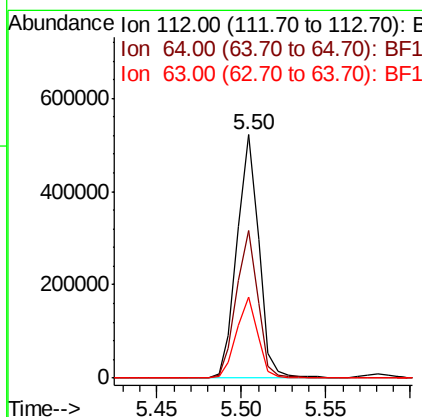
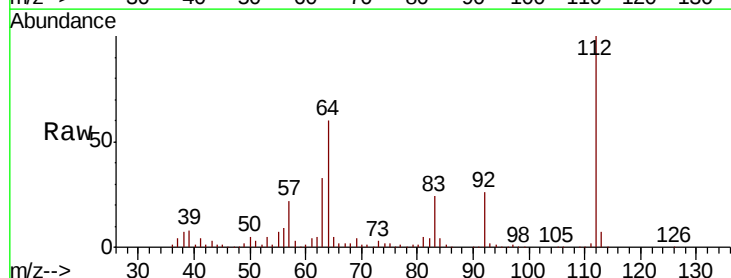
Sohil
1/11/2019 4:55:04 PM

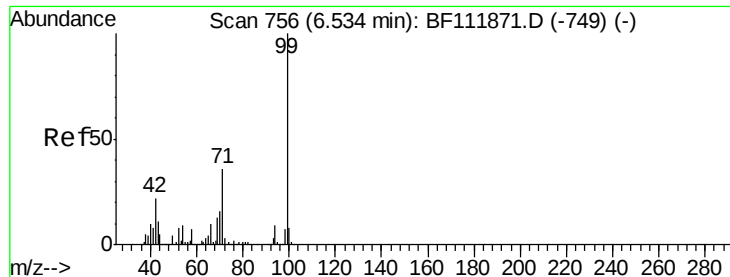


#5

2-Fluorophenol
Concen: 100.647 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	48.3	72.5
63	33.1	26.1	39.1





#7

Phenol-d6

Concen: 96.972 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Instrument :

BNA_F

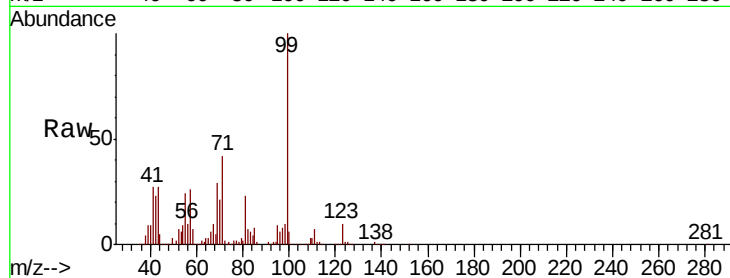
ClientSampleId :

CPSB-17(10-15)

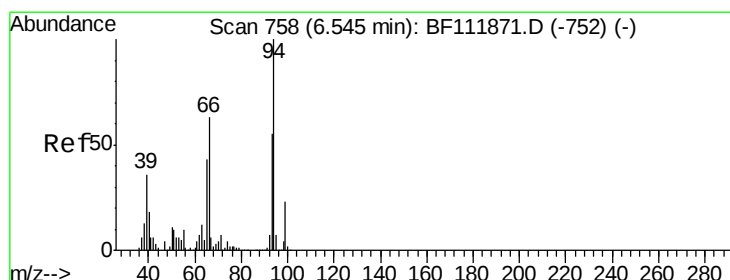
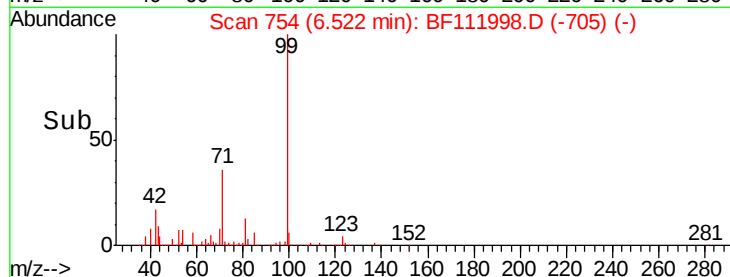
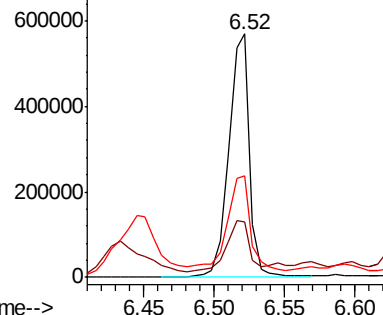
Tot Ion:	99	Resp:	583679
Ion Ratio	Lower	Upper	
99	100		
42	22.6	17.9	26.9
71	41.7	28.7	43.1

Manual Integrations
APPROVED

Sohil
1/11/2019 4:55:04 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.590 ng

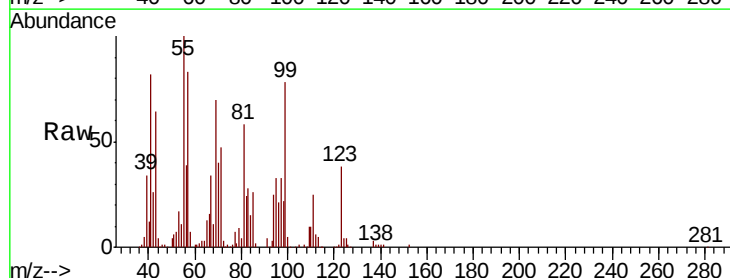
RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

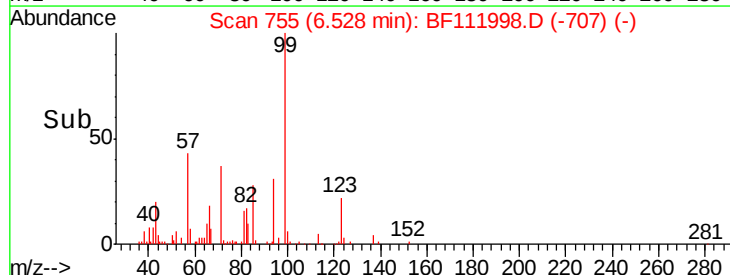
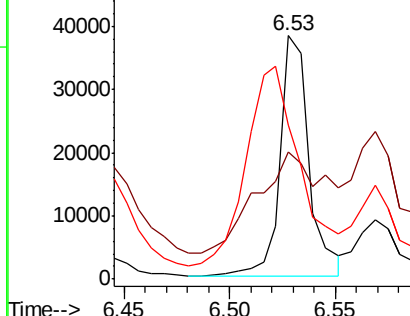
Lab File: BF111998.D

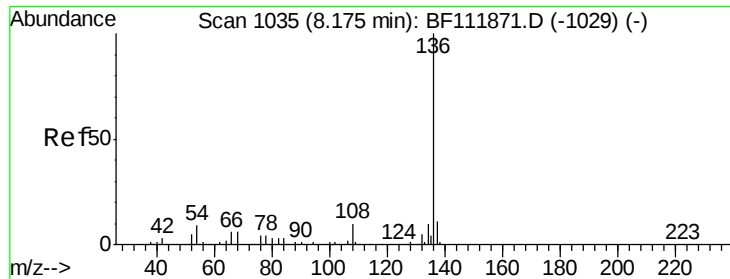
Acq: 10 Jan 2019 20:10

Tgt Ion:	94	Resp:	36570
Ion Ratio	Lower	Upper	
94	100		
65	52.0	22.8	62.8
66	63.2	43.3	83.3



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





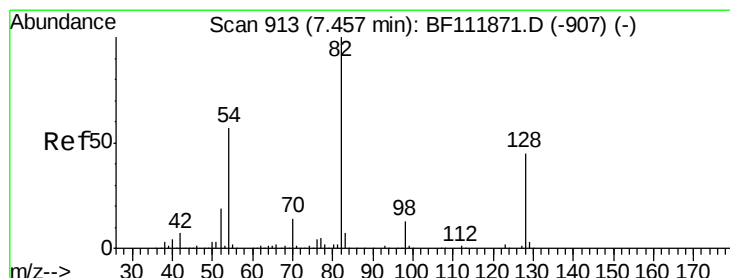
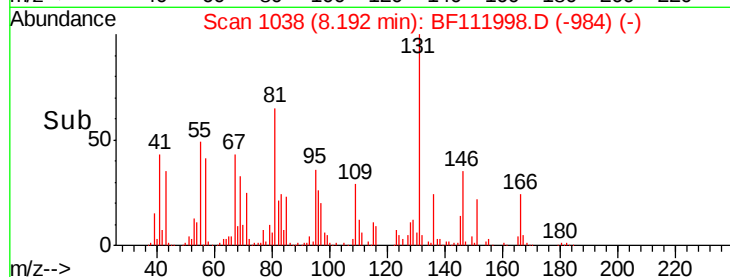
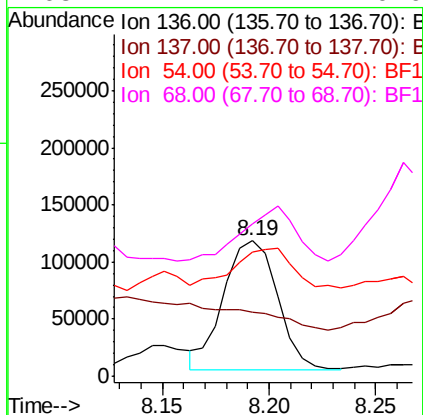
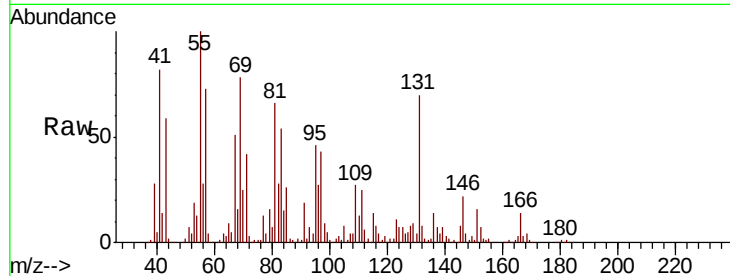
#21
Naphthalene-d8
Concen: 20.000 ng m
RT: 8.19 min Scan# 1038
Delta R.T. 0.02 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Instrument :
BNA_F
ClientSampled :
CPSB-17(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	196618		
137	47.3	9.1	13.7#	
54	91.6	7.2	10.8#	
68	112.4	4.4	6.6#	

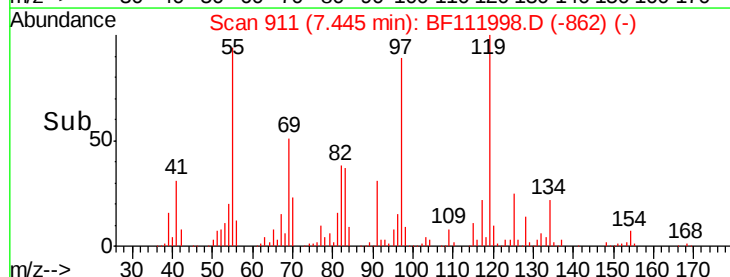
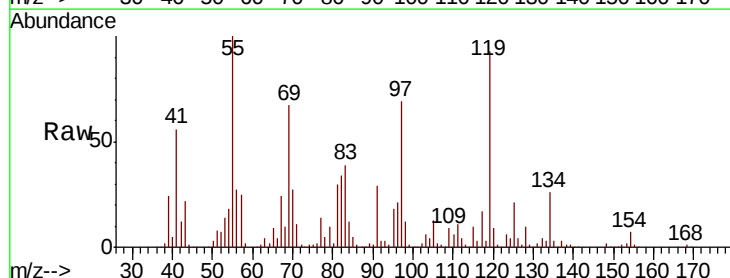
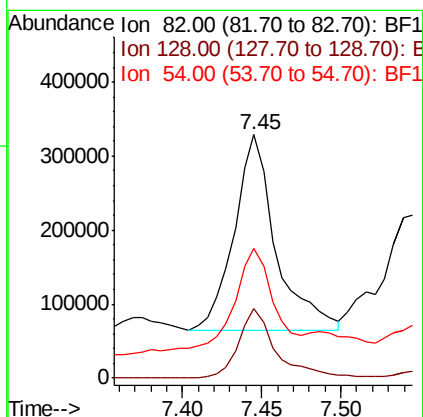
Manual Integrations
APPROVED

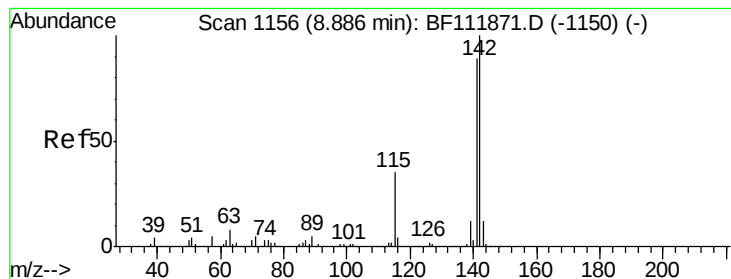
Sohil
1/11/2019 4:55:04 PM



#23
Nitrobenzene-d5
Concen: 131.381 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	483332		
128	28.5	35.7	53.5#	
54	53.3	45.8	68.8	





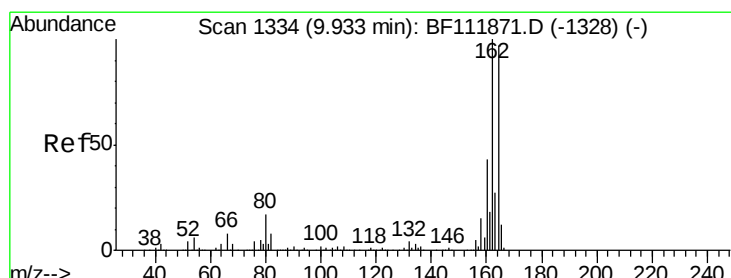
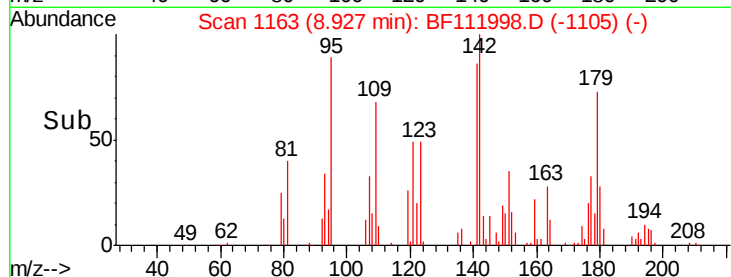
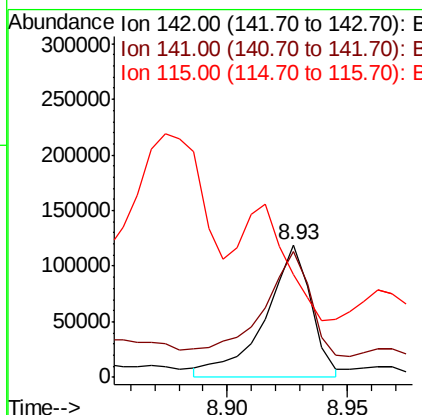
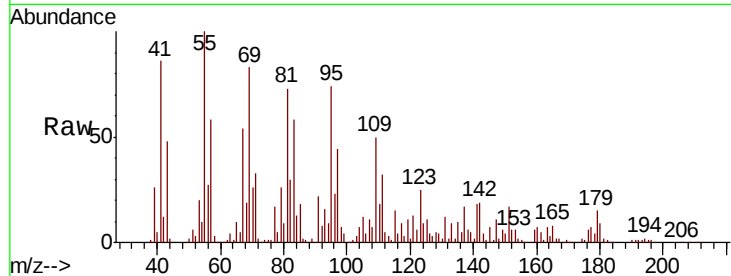
#37
2-Methylnaphthalene
Concen: 27.399 ng m
RT: 8.93 min Scan# 1163
Delta R.T. 0.04 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Instrument :
BNA_F
ClientSampled :
CPSB-17(10-15)

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.7	71.4	107.2
115	77.4	28.3	42.5#

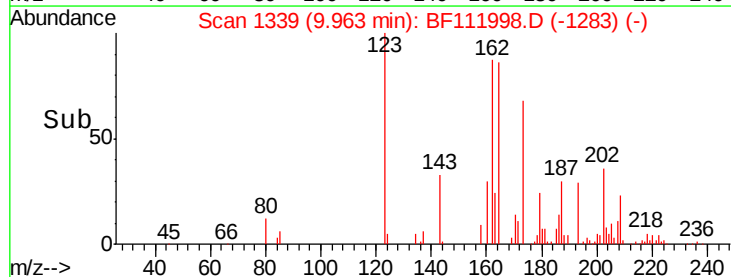
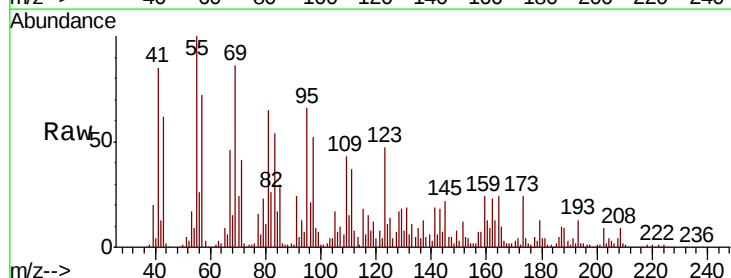
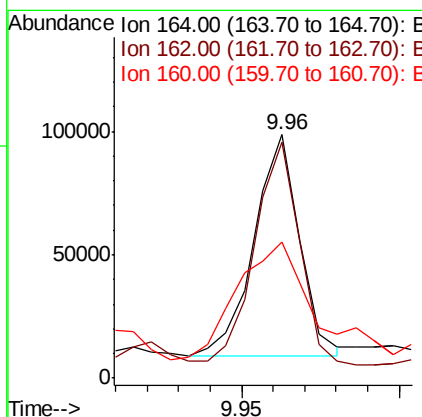
Manual Integrations
APPROVED

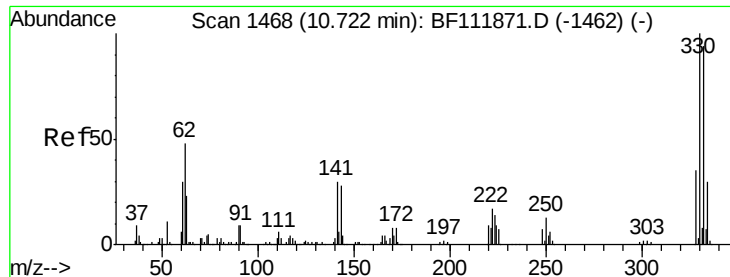
Sohil
1/11/2019 4:55:04 PM



#39
Acenaphthene-d10
Concen: 20.000 ng m
RT: 9.96 min Scan# 1339
Delta R.T. 0.03 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.0	82.2	123.2
160	55.8	35.5	53.3#





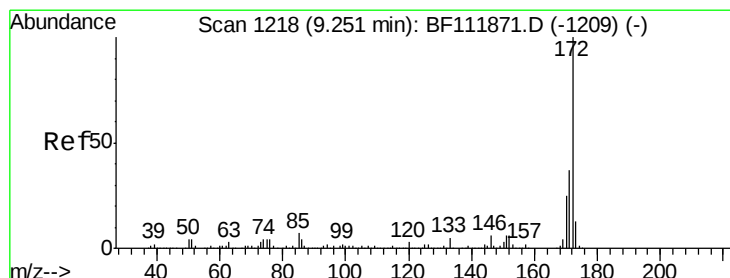
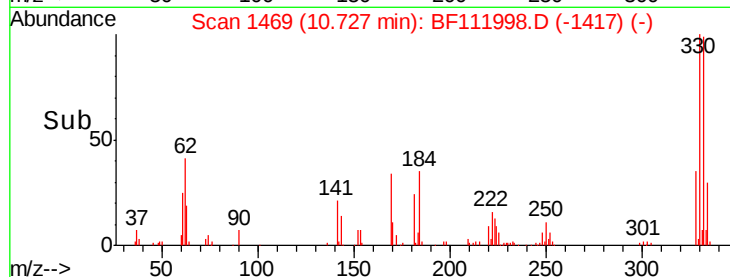
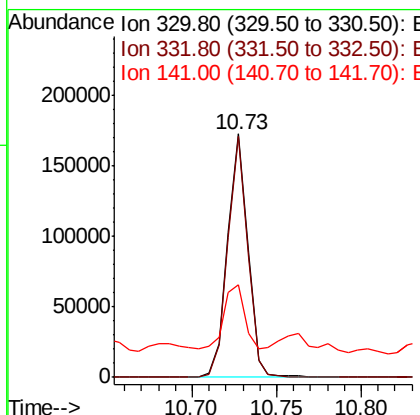
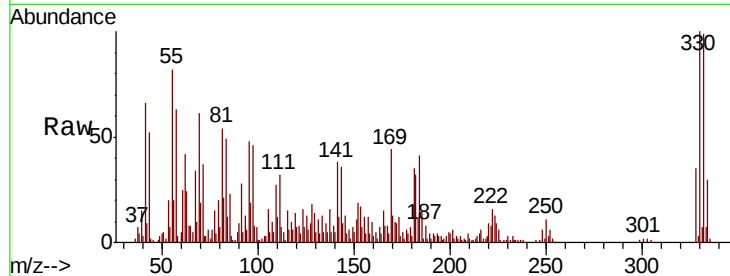
#42
 2,4,6-Tribromophenol
 Concen: 123.518 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF111998.D
 Acq: 10 Jan 2019 20:10

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-17(10-15)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.9	115.3
141	26.0	23.7	35.5

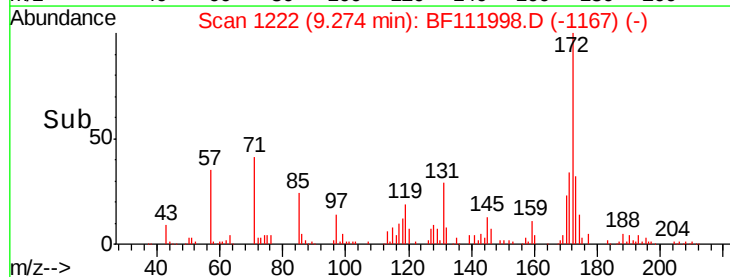
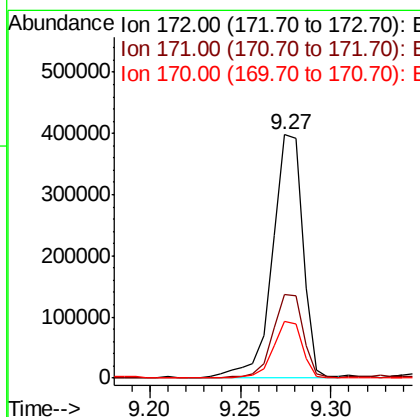
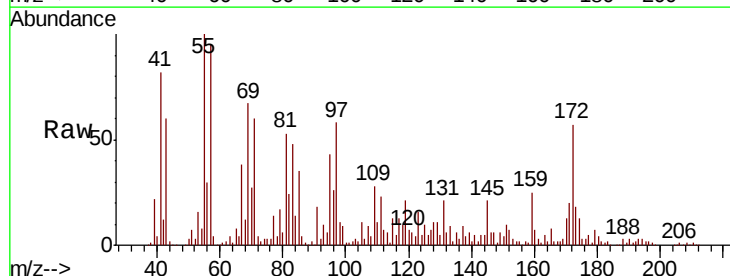
Manual Integrations
 APPROVED

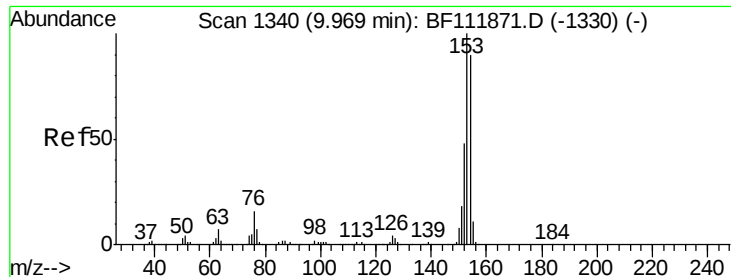
Sohil
 1/11/2019 4:55:04 PM



#45
 2-Fluorobiphenyl
 Concen: 75.060 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. 0.02 min
 Lab File: BF111998.D
 Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.6	44.4
170	23.5	19.8	29.8





#52

Acenaphthene

Concen: 30.567 ng m

RT: 9.99 min Scan# 1344

Delta R.T. 0.02 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Instrument :

BNA_F

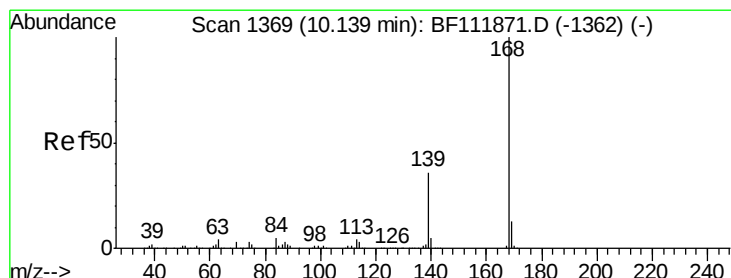
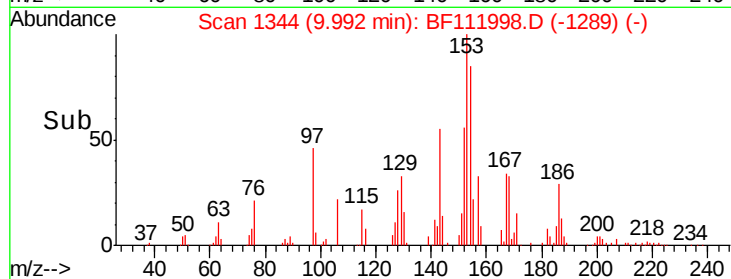
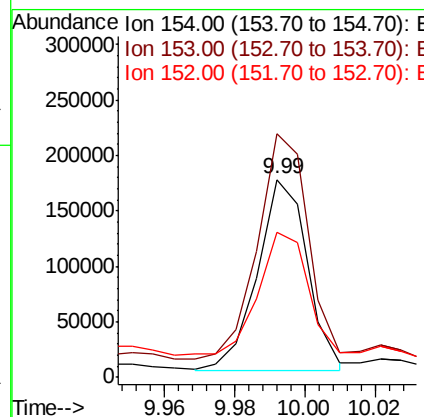
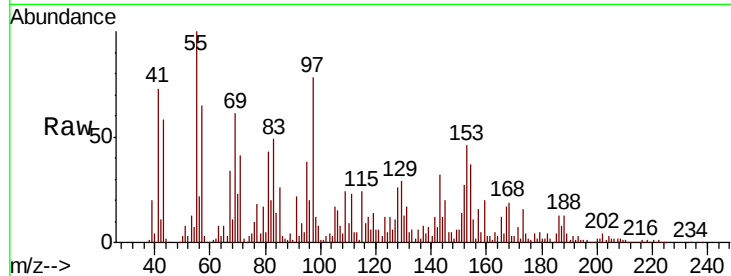
ClientSampleId :

CPSB-17(10-15)

Tot Ion	Ratio	Lower	Upper
154	100		
153	123.0	89.4	134.0
152	73.1	43.1	64.7

Manual Integrations
APPROVED

Sohil
1/11/2019 4:55:04 PM



#55

Dibenzofuran

Concen: 23.695 ng m

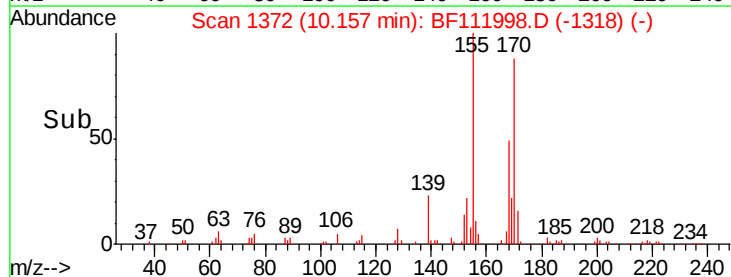
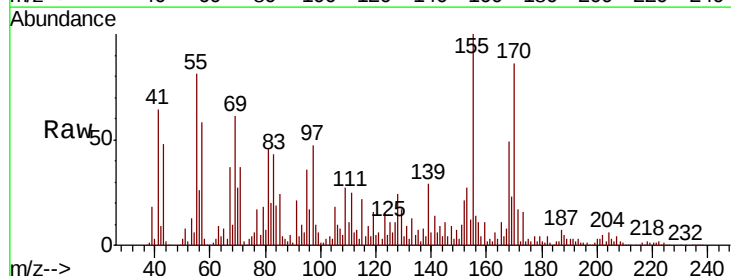
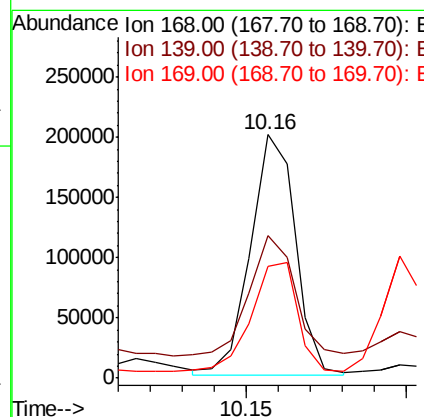
RT: 10.16 min Scan# 1372

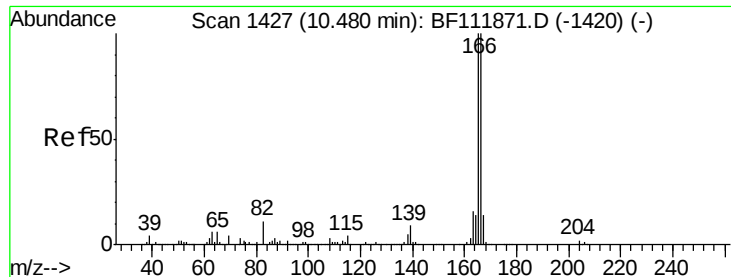
Delta R.T. 0.02 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Lower	Upper
168	100		
139	58.6	29.3	43.9
169	46.2	10.6	16.0





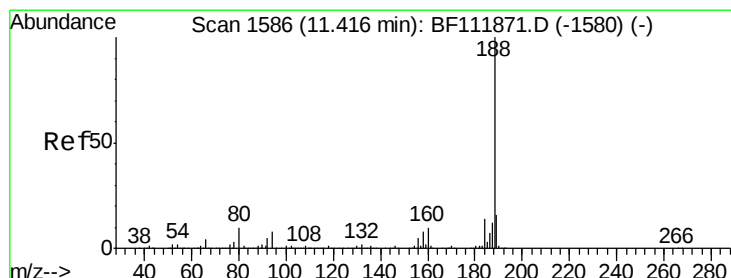
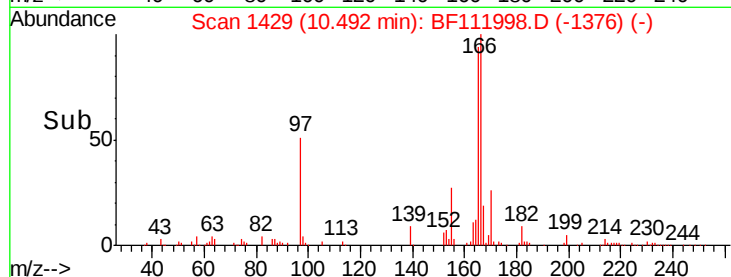
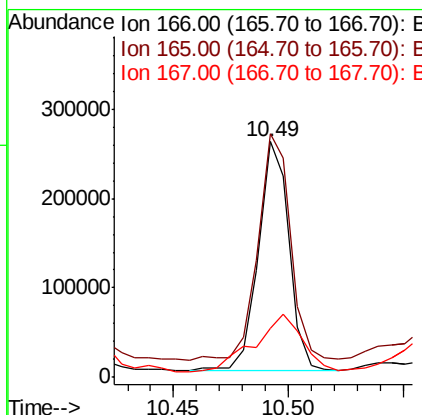
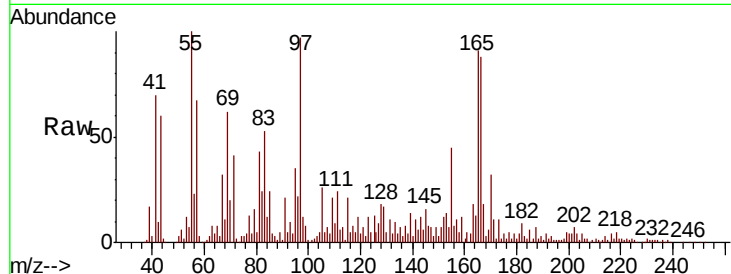
#58
 Fluorene
 Concen: 40.026 ng/mL
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.01 min
 Lab File: BF111998.D
 Acq: 10 Jan 2019 20:10

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-17(10-15)

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.5	79.7	119.5
167	20.9	11.1	16.7

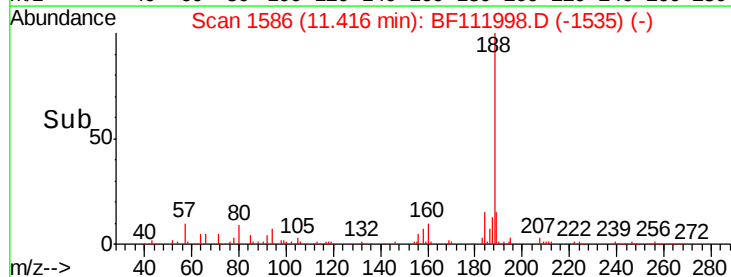
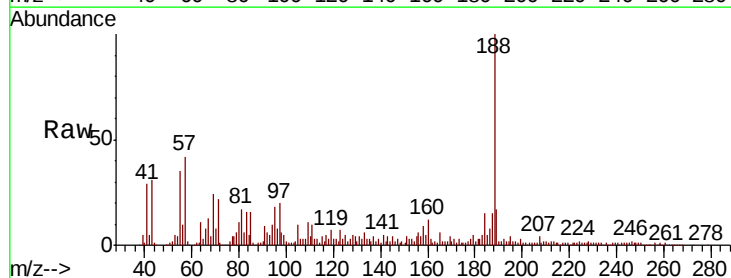
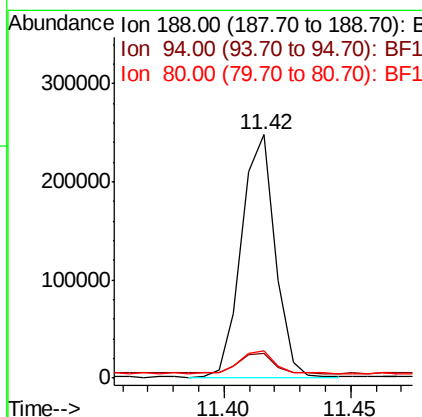
Manual Integrations
 APPROVED

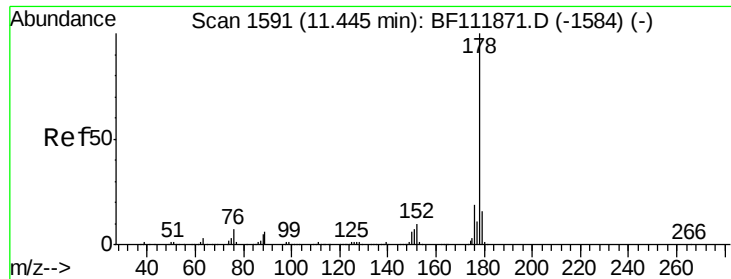
Sohil
 1/11/2019 4:55:04 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111998.D
 Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	6.6	10.0
80	11.2	7.7	11.5





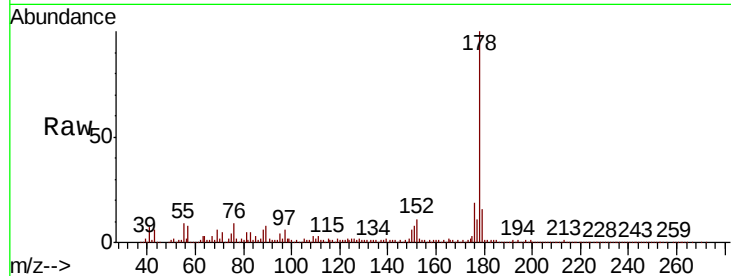
#71
Phenanthrene
Concen: 62.877 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Instrument :
BNA_F
ClientSampleId :
CPSB-17(10-15)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	16.1	12.6	18.8

Manual Integrations
APPROVED

Sohil
1/11/2019 4:55:04 PM

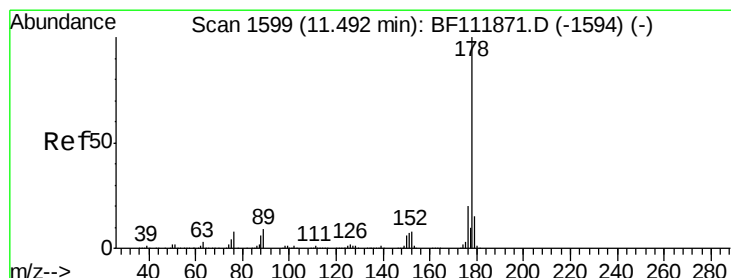
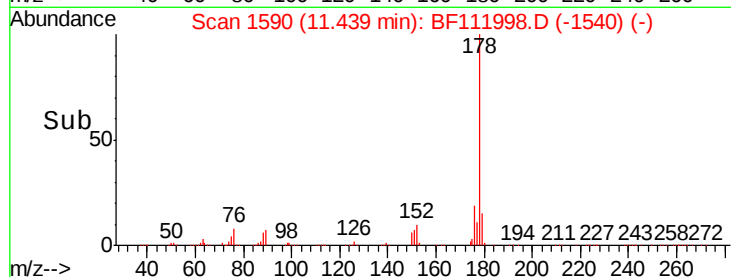
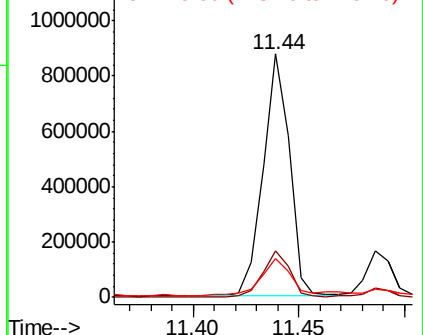


Abundance

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



#72
Anthracene
Concen: 10.505 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

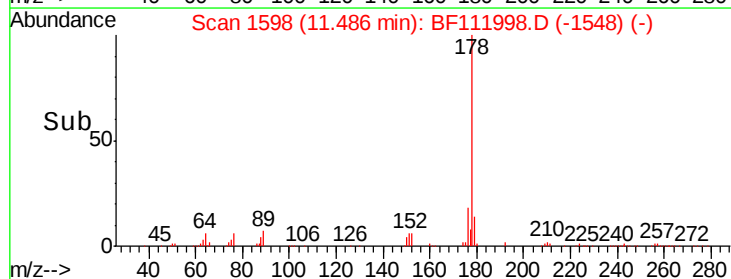
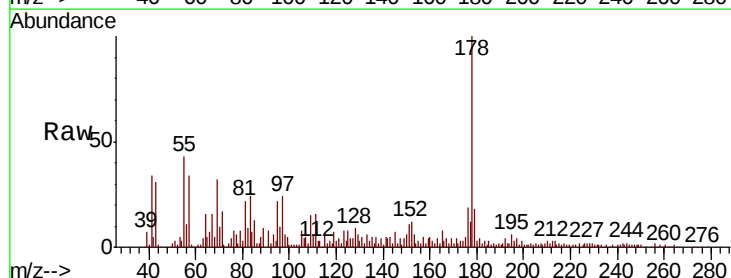
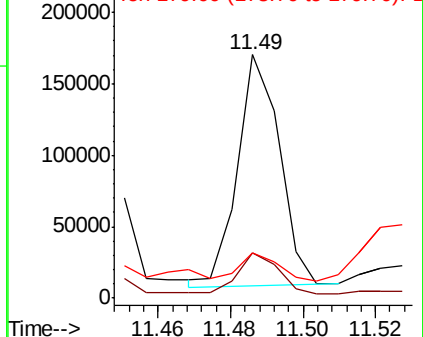
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	18.4	12.4	18.6

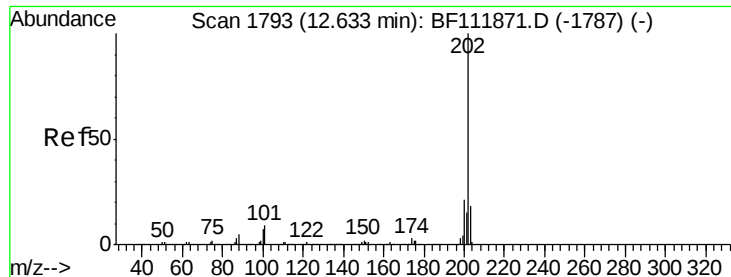
Abundance

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: 36.206 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.01 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Instrument :

BNA_F

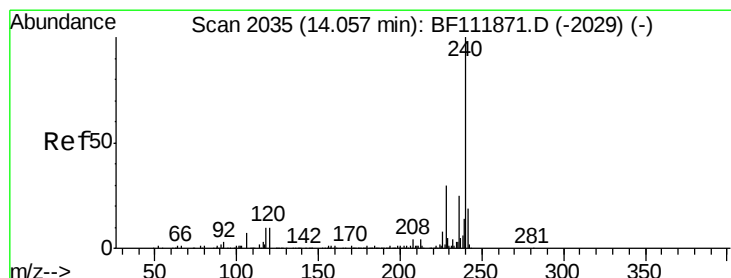
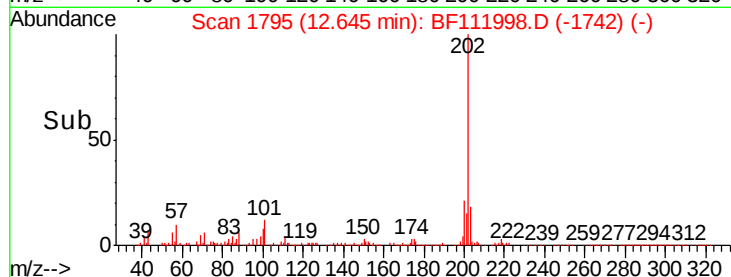
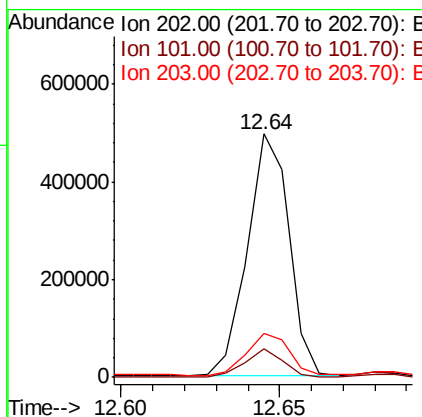
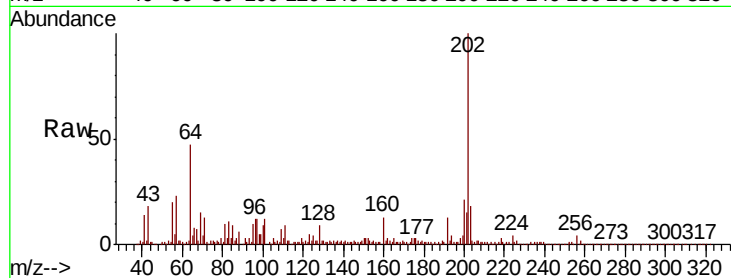
ClientSampleId :

CPSB-17(10-15)

Tot Ion:	202	Resp:	453137
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	29.3
203	18.3	0.0	37.6

Manual Integrations
APPROVED

Sohil
1/11/2019 4:55:04 PM



#76

Chrysene-d12

Concen: 20.000 ng

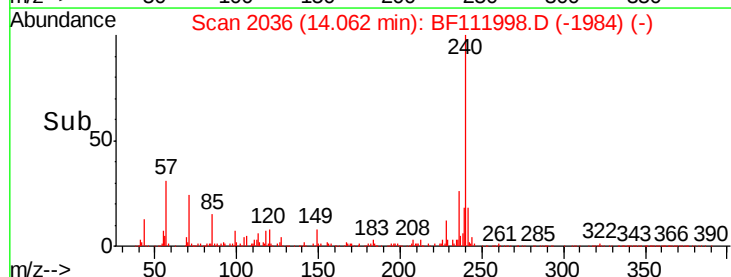
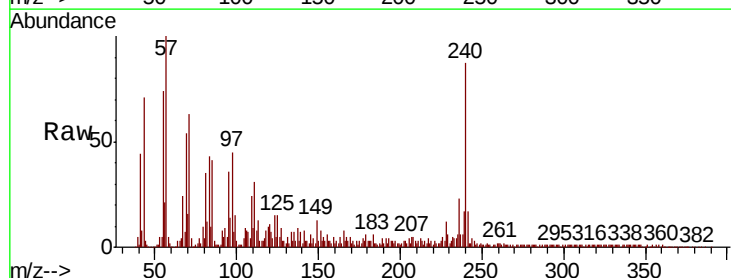
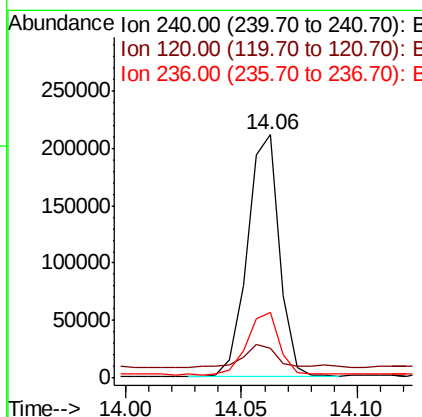
RT: 14.06 min Scan# 2036

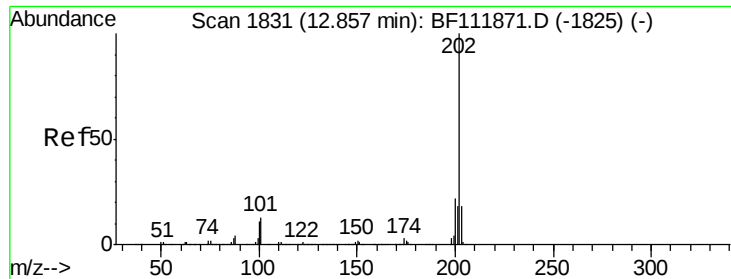
Delta R.T. 0.01 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Tgt Ion:	240	Resp:	204590
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.2	12.2#
236	27.1	20.2	30.4





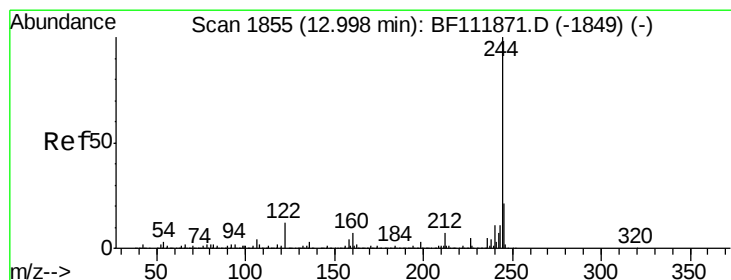
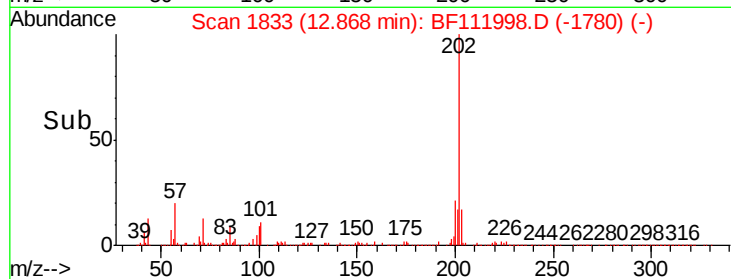
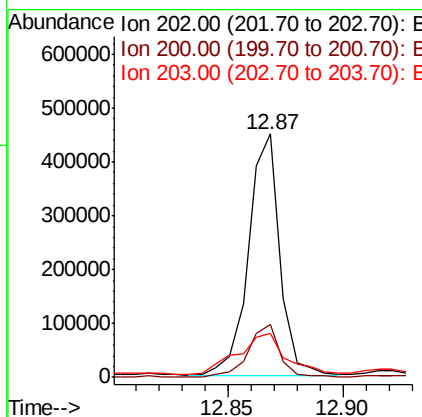
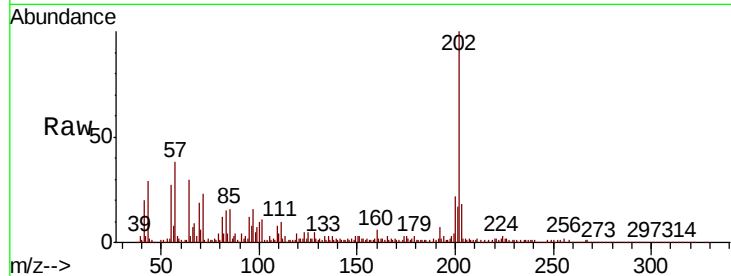
#78
Pvrene
Concen: 30.137 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Instrument :
BNA_F
ClientSampleId :
CPSB-17(10-15)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.2	14.6	21.8

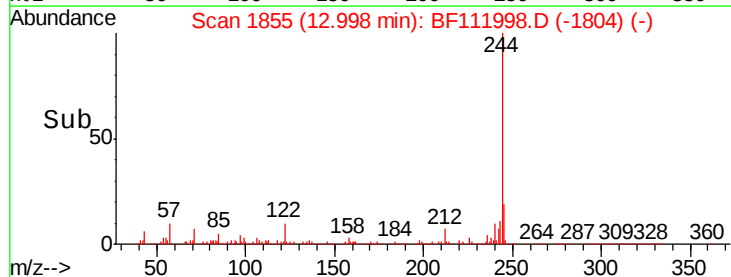
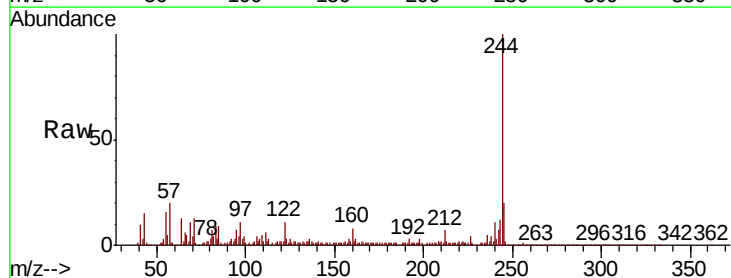
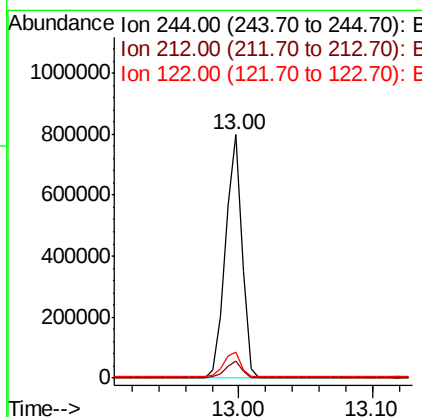
Manual Integrations
APPROVED

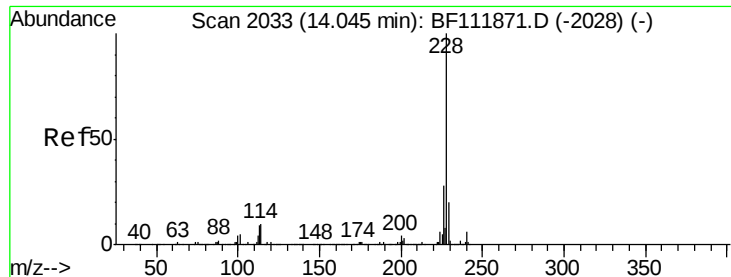
Sohil
1/11/2019 4:55:04 PM



#79
Terphenyl-d14
Concen: 64.843 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.8	9.5	14.3





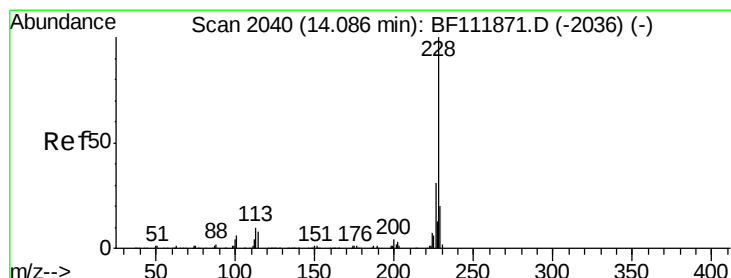
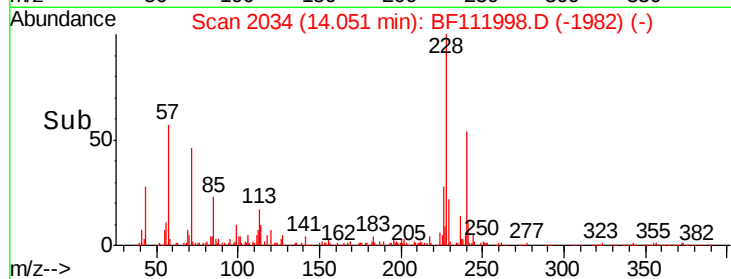
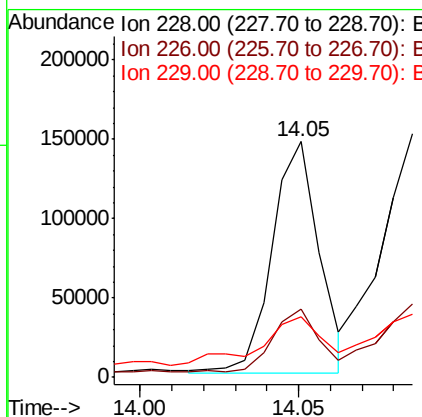
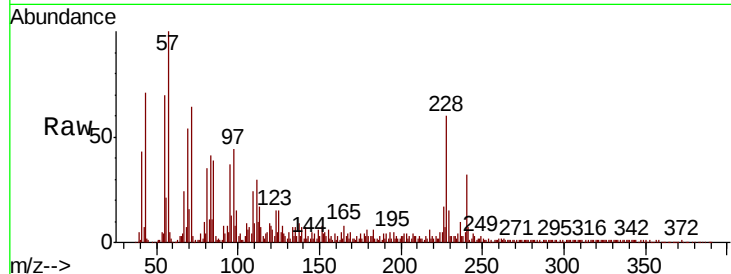
#81
Benzo(a)anthracene
Concen: 12.804 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Instrument :
BNA_F
ClientSampleId :
CPSB-17(10-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.2
229	25.7	16.2	24.2

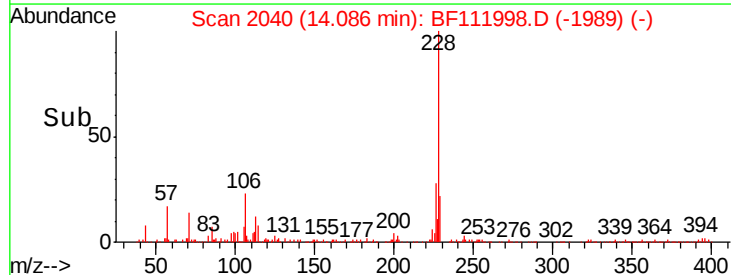
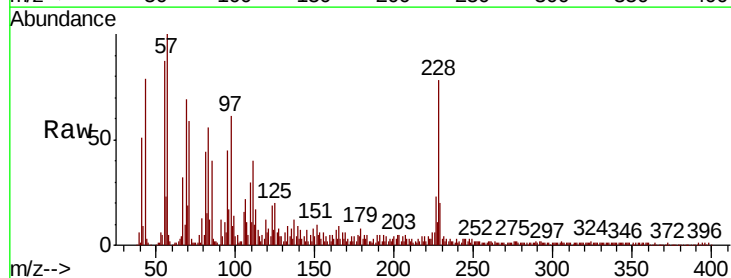
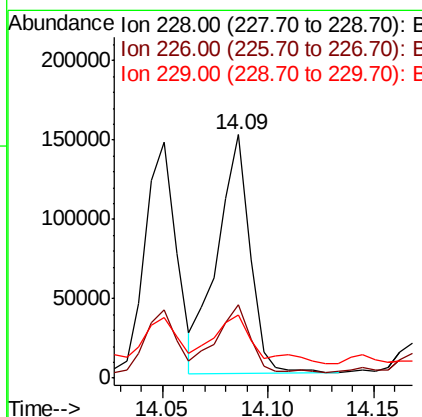
Manual Integrations
APPROVED

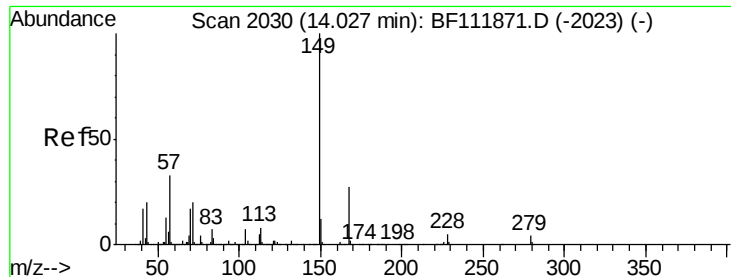
Sohil
1/11/2019 4:55:04 PM



#83
Chrysene
Concen: 14.397 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	37.0
229	25.9	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 40.213 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Instrument :

BNA_F

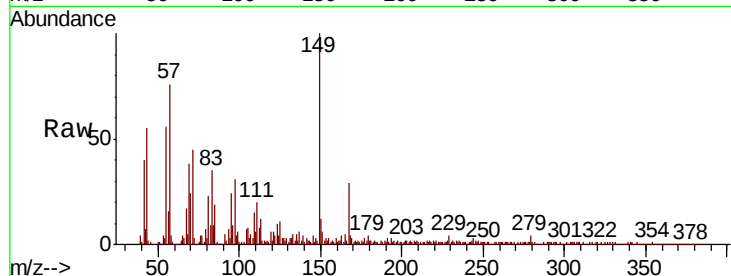
ClientSampleId :

CPSB-17(10-15)

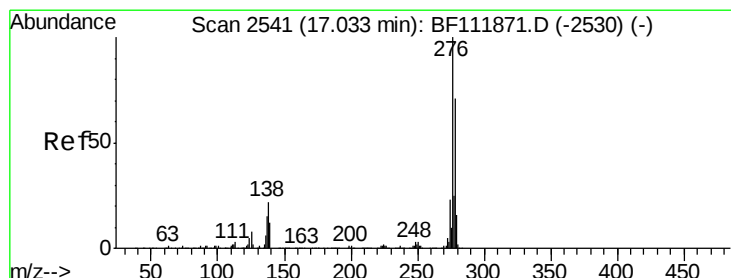
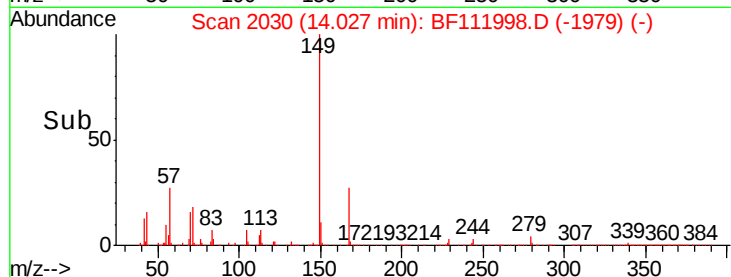
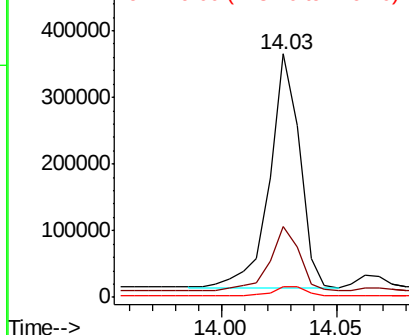
Tot Ion:	149	Resp:	314294
Ion Ratio	Lower	Upper	
149	100		
167	28.9	21.5	32.3
279	4.2	3.0	4.6

Manual Integrations
APPROVED

Sohil
1/11/2019 4:55:04 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 10.362 ng

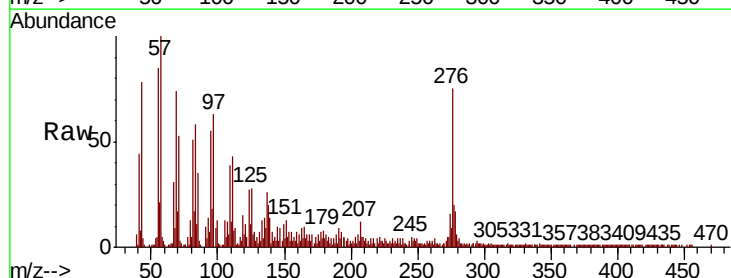
RT: 17.03 min Scan# 2541

Delta R.T. -0.00 min

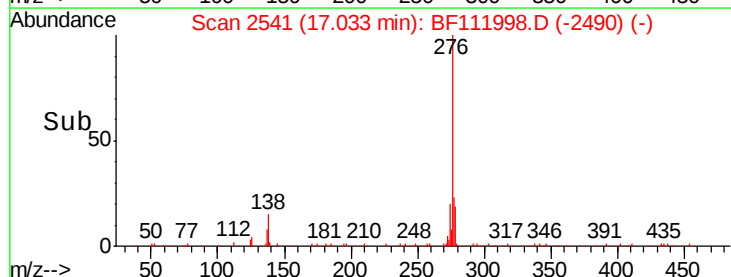
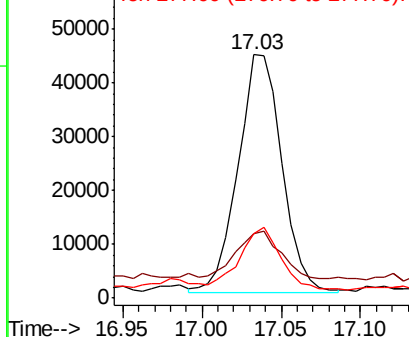
Lab File: BF111998.D

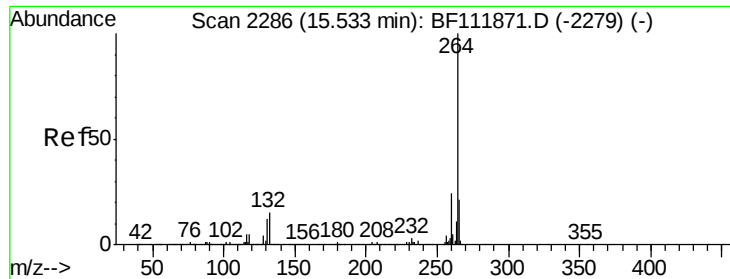
Acq: 10 Jan 2019 20:10

Tgt Ion:	276	Resp:	84807
Ion Ratio	Lower	Upper	
276	100		
138	20.2	18.1	27.1
277	24.9	19.9	29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Instrument :

BNA_F

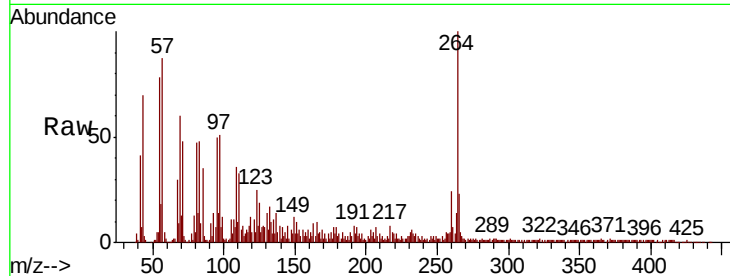
ClientSampleId :

CPSB-17(10-15)

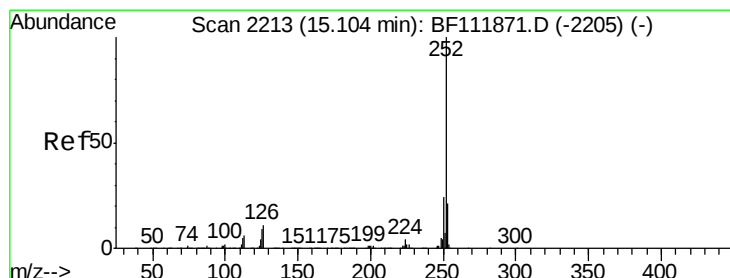
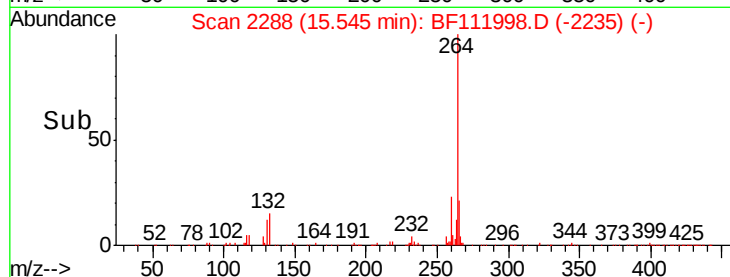
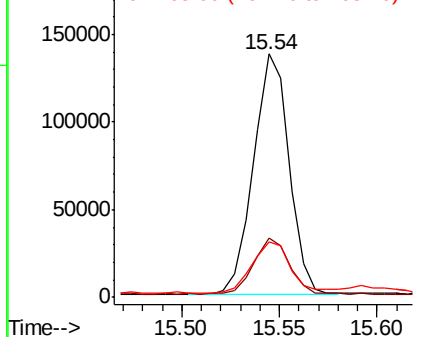
Tot Ion:	264	Resp:	174012
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	22.6	17.1	25.7

Manual Integrations
APPROVED

Sohil
1/11/2019 4:55:04 PM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 19.691 ng m

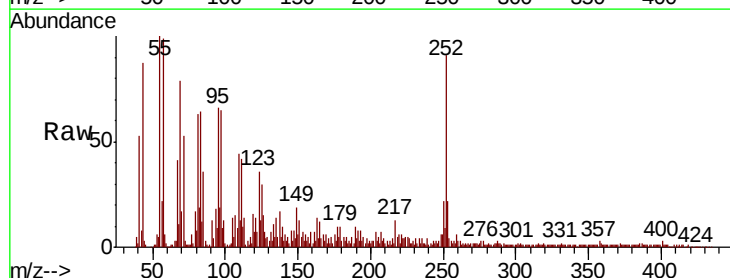
RT: 15.11 min Scan# 2214

Delta R.T. 0.01 min

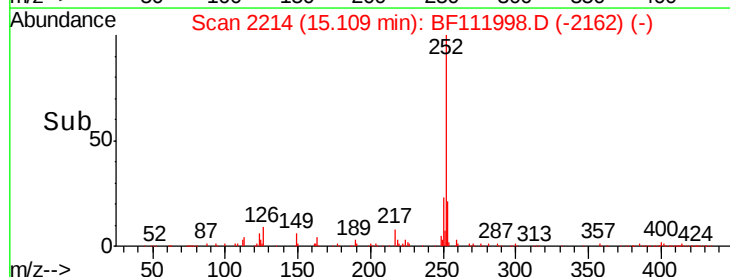
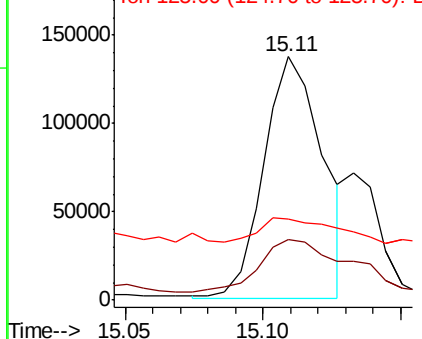
Lab File: BF111998.D

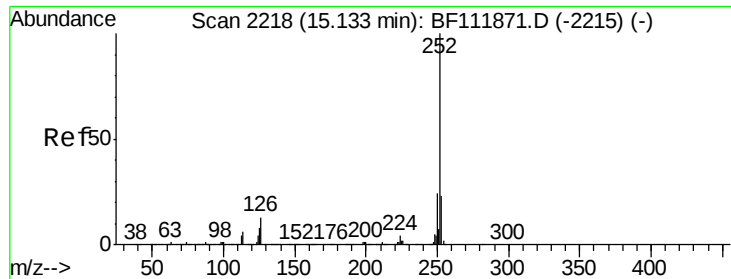
Acq: 10 Jan 2019 20:10

Tgt Ion:	252	Resp:	204966
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.0	25.6
125	33.1	7.1	10.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





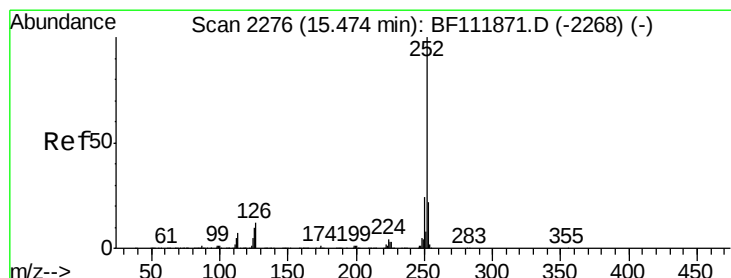
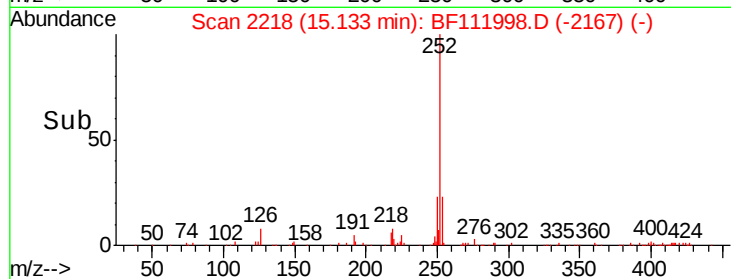
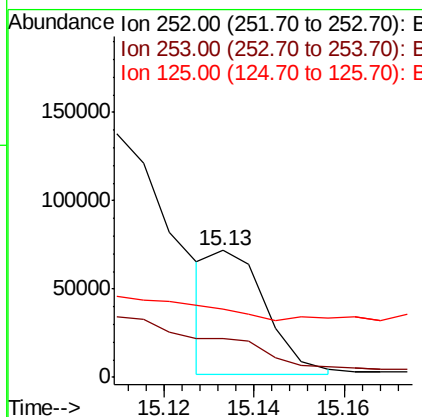
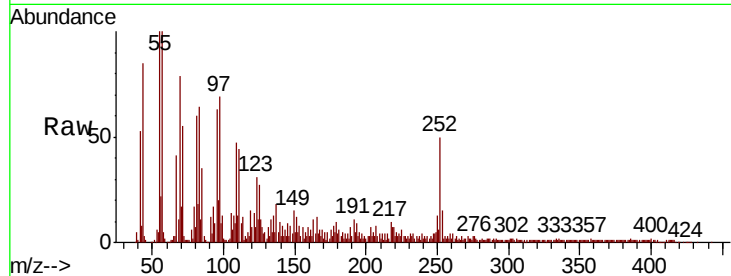
#89
Benzo(k)fluoranthene
Concen: 6.082 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Instrument :
BNA_F
ClientSampleId :
CPSB-17(10-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.8	26.6#
125	54.1	7.0	10.4#

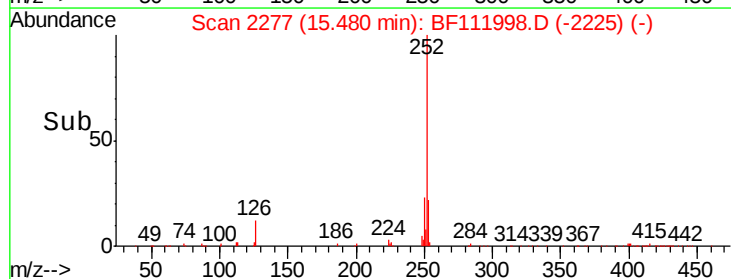
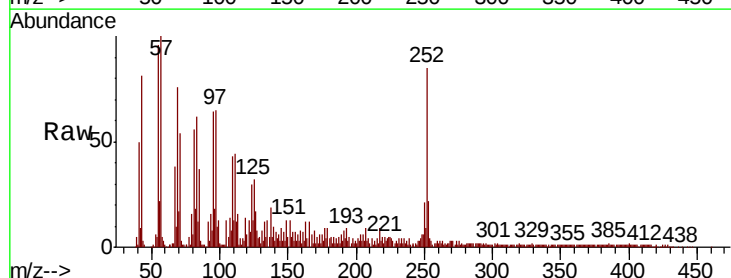
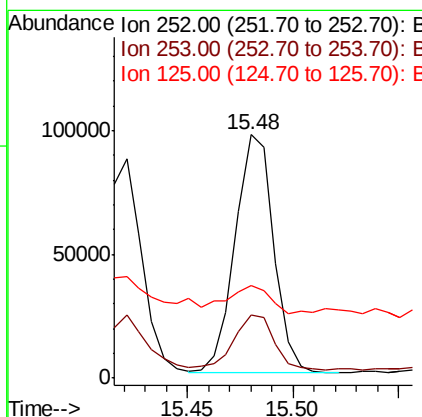
Manual Integrations
APPROVED

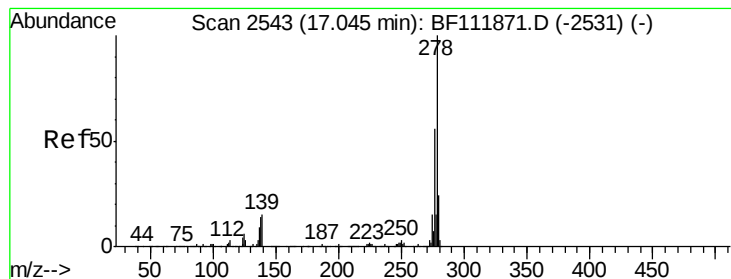
Sohil
1/11/2019 4:55:04 PM



#90
Benzo(a)pyrene
Concen: 13.264 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF111998.D
Acq: 10 Jan 2019 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.2
125	38.1	7.9	11.9#





#91

Dibenzo(a,h)anthracene

Concen: 3.109 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Instrument :

BNA_F

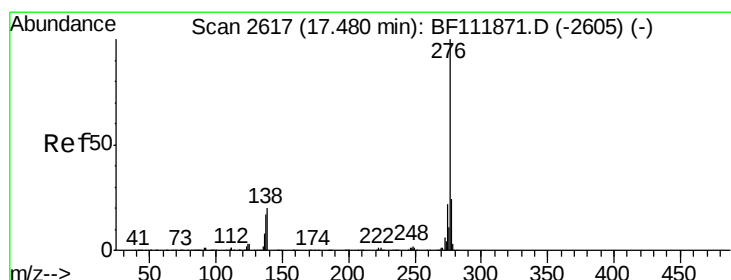
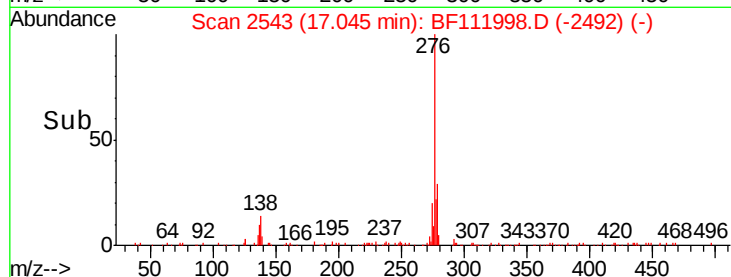
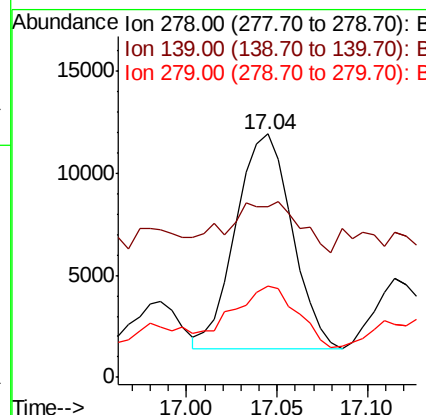
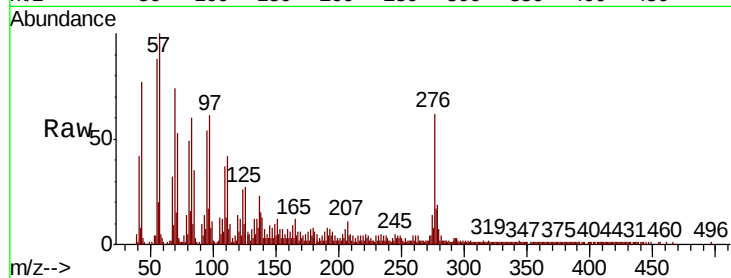
ClientSampleId :

CPSB-17(10-15)

Tot Ion:	278	Resp:	22885
Ion Ratio	Lower	Upper	
278	100		
139	70.0	11.8	17.6#
279	37.4	19.4	29.2#

Manual Integrations
APPROVED

Sohil
1/11/2019 4:55:04 PM



#92

Benzo(g,h,i)perylene

Concen: 12.900 ng

RT: 17.49 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF111998.D

Acq: 10 Jan 2019 20:10

Tgt Ion:	276	Resp:	92883
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.0	28.6
138	23.5	16.2	24.2

