

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011218\
 Data File : BF102053.D
 Acq On : 12 Jan 2018 19:56
 Operator : SJ/JU
 Sample : J1010-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-011118

Manual Integrations
 APPROVED

Sohil
 1/15/2018 4:22:20 PM

Quant Time: Jan 12 23:43:54 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	214080	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	824078	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	314238	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	431522	20.00	ng	0.00
75) Chrysene-d12	13.89	240	336422	20.00	ng	0.00
86) Perylene-d12	15.31	264	280907	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1434521	94.62	ng	0.02
7) Phenol-d6	6.37	99	1652299	91.35	ng	0.00
23) Nitrobenzene-d5	7.30	82	1018780	72.65	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	225579	82.26	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1349346	67.08	ng	0.00
78) Terphenyl-d14	12.84	244	833674	51.45	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.38	94	62162	3.041	ng	97
31) Naphthalene	8.03	128	213088	5.175	ng	99
49) Dimethylphthalate	9.49	163	291246	11.554	ng	99
51) Acenaphthene	9.80	154	130357	6.283	ng	99
54) Dibenzofuran	9.97	168	197697	6.943	ng	99
57) Fluorene	10.31	166	235743	11.977	ng	98
70) Phenanthrene	11.27	178	914614	36.285	ng	99
71) Anthracene	11.32	178	321631	12.581	ng	100
72) Carbazole	11.48	167	154789	6.160	ng	98
74) Fluoranthene	12.46	202	865297	34.891	ng	98
77) Pyrene	12.69	202	755380	25.402	ng	100
80) Benzo(a)anthracene	13.87	228	421569	19.640	ng	100
82) Chrysene	13.91	228	371203	16.585	ng	98
85) Indeno(1,2,3-cd)pyrene	16.69	276	106695	6.550	ng	98
87) Benzo(b)fluoranthene	14.90	252	335196m	18.301	ng	
88) Benzo(k)fluoranthene	14.93	252	139052m	7.870	ng	
89) Benzo(a)pyrene	15.24	252	230610	13.992	ng	# 91
90) Dibenzo(a,h)anthracene	16.70	278	28547	2.170	ng	# 73
91) Benzo(g,h,i)perylene	17.10	276	91314	6.892	ng	93

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

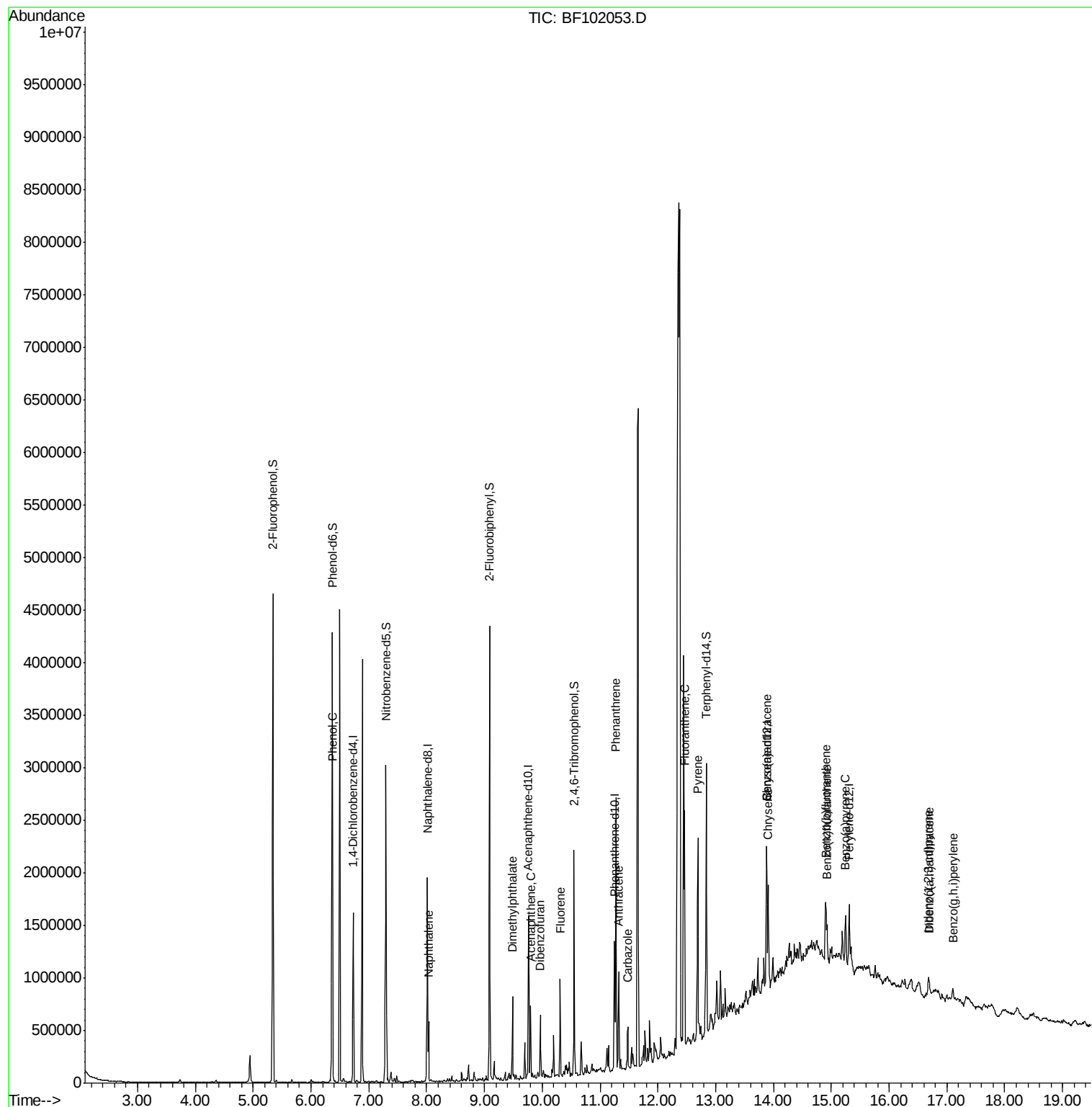
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102053.D
Acq On : 12 Jan 2018 19:56
Operator : SJ/JU
Sample : J1010-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

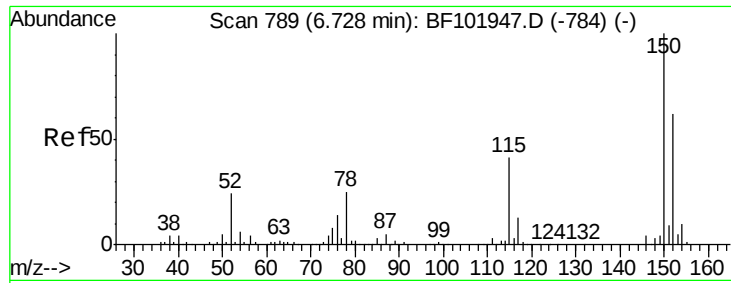
Instrument :
BNA_F
ClientSampleId :
BU-02-011118

Manual Integrations
APPROVED

Sohil
1/15/2018 4:22:20 PM

Quant Time: Jan 12 23:43:54 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 11 12:53:54 2018
Response via : Initial Calibration





#1

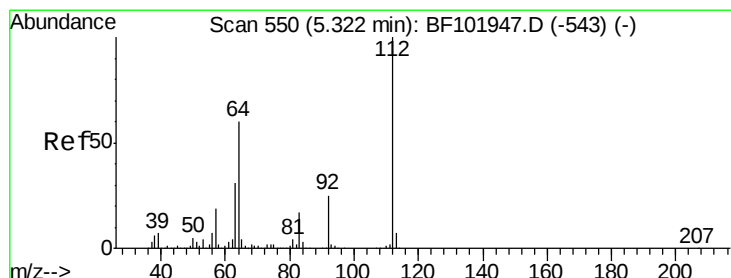
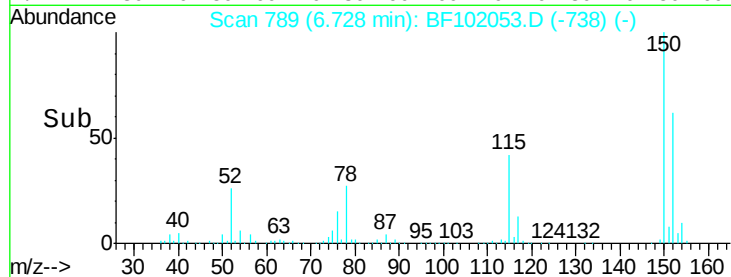
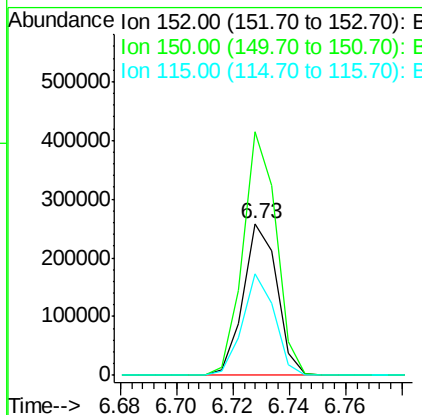
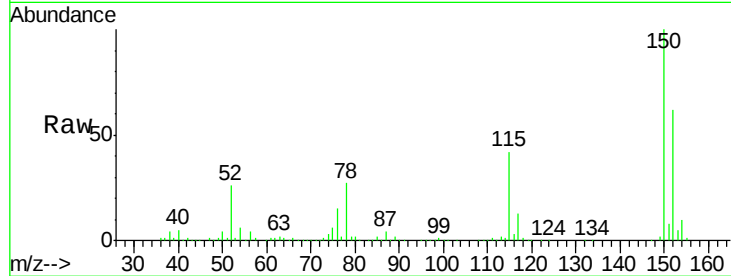
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Instrument :
BNA_F
ClientSampled :
BU-02-011118

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		214080		
150	160.1	124.6	186.8		
115	66.9	50.1	75.1		

Manual Integrations
APPROVED

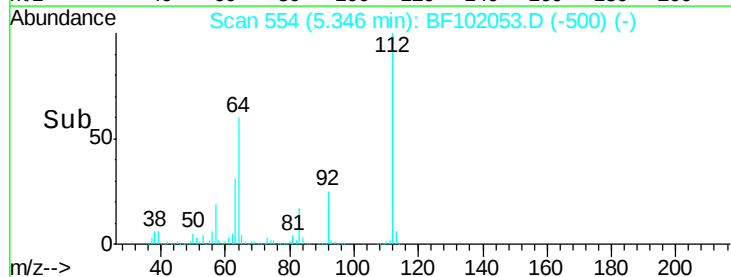
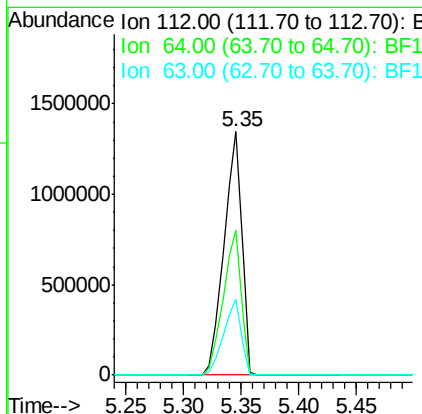
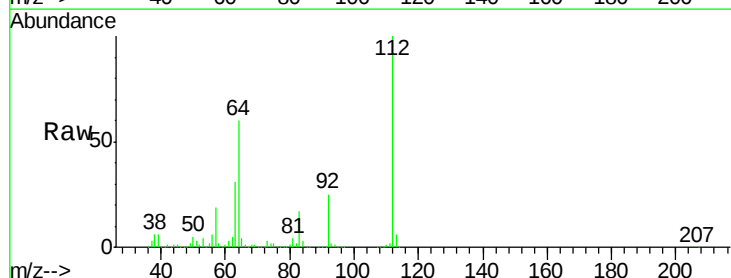
Sohil
1/15/2018 4:22:20 PM

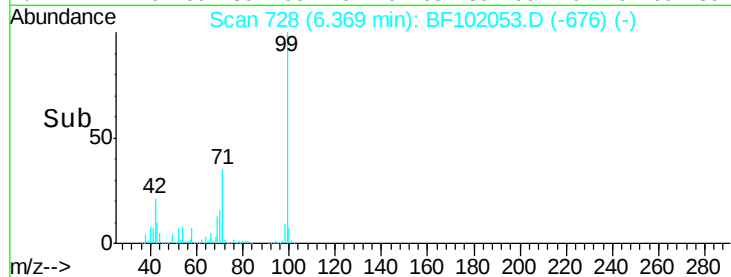
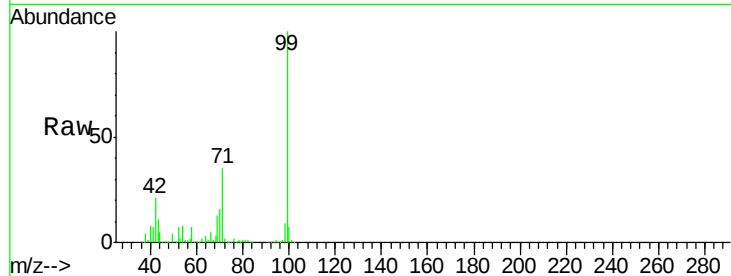
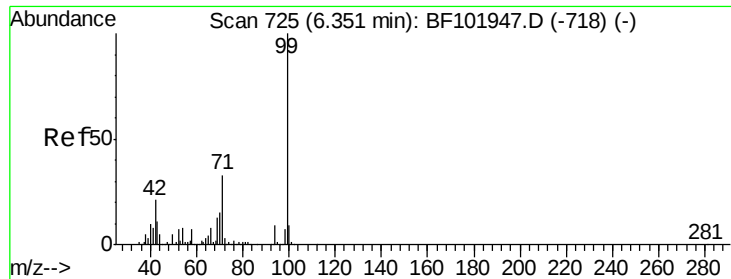


#5

2-Fluorophenol
Concen: 94.622 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		1434521		
64	59.7	47.9	71.9		
63	31.1	23.7	35.5		





#7

Phenol-d6

Concen: 91.347 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Tgt Ion:	99	Resp:	1652299
Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	34.5	25.4	38.0

Instrument :

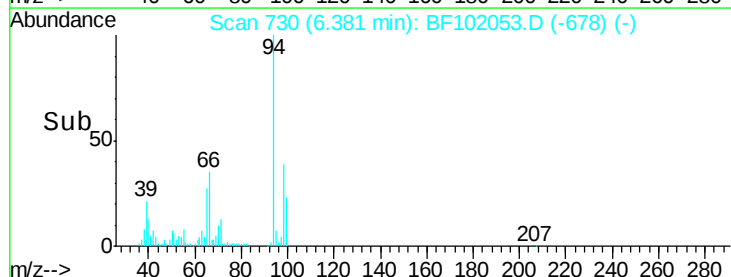
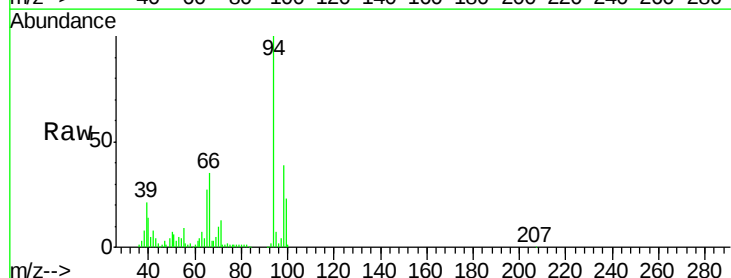
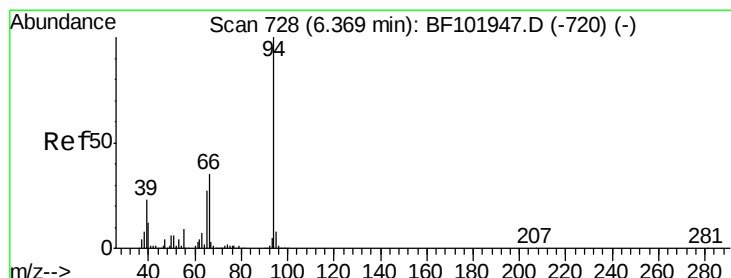
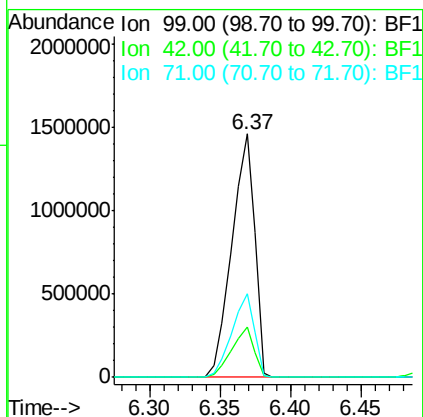
BNA_F

ClientSampleId :

BU-02-011118

Manual Integrations
APPROVED

Sohil
1/15/2018 4:22:20 PM



#10

Phenol

Concen: 3.041 ng

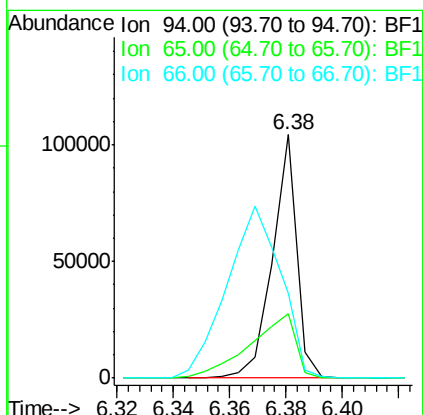
RT: 6.38 min Scan# 730

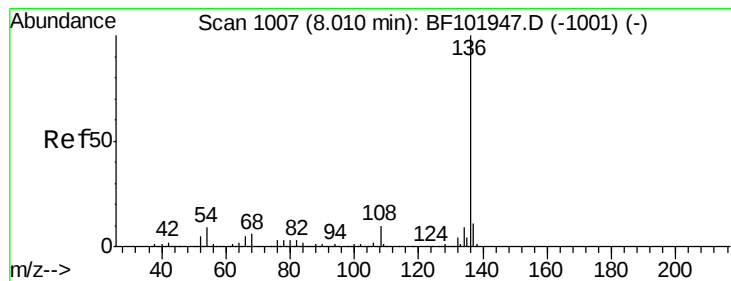
Delta R.T. 0.01 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

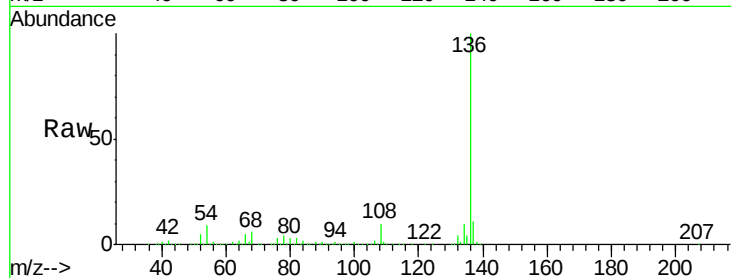
Tgt Ion:	94	Resp:	62162
Ion	Ratio	Lower	Upper
94	100		
65	26.5	7.9	47.9
66	34.7	16.2	56.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

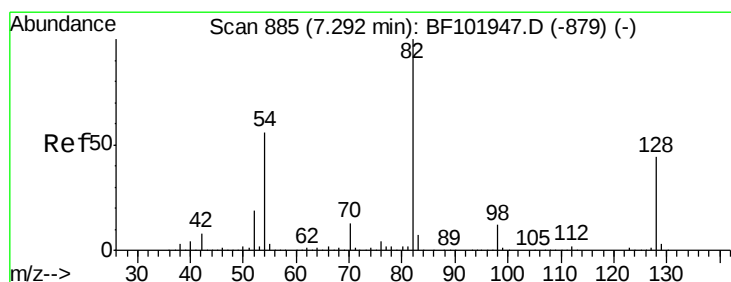
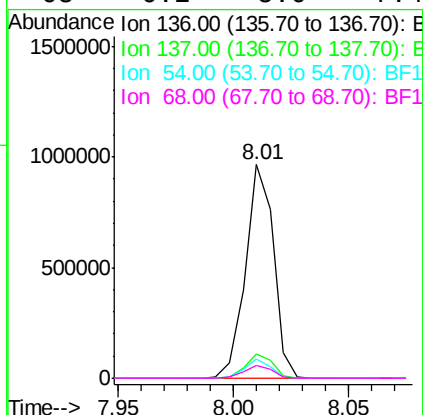
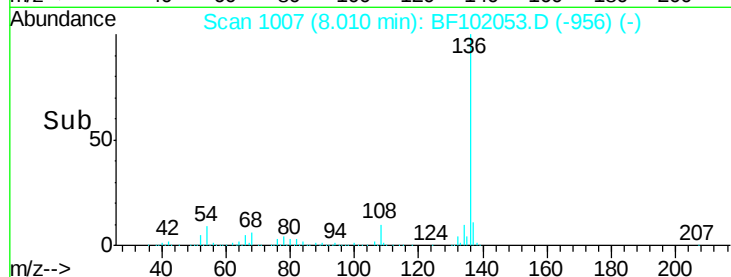
Instrument :
BNA_F
ClientSampleId :
BU-02-011118



Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.3	8.9	13.3
54	8.8	6.6	9.8
68	6.2	5.0	7.4

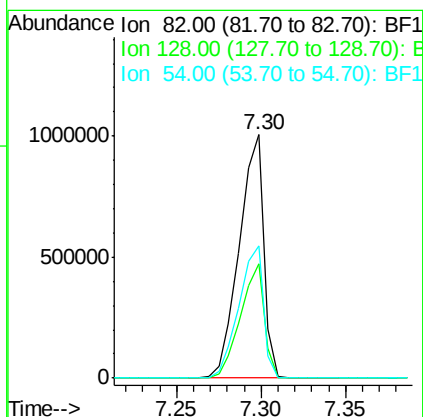
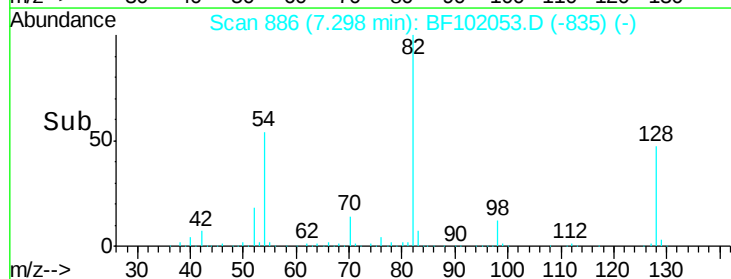
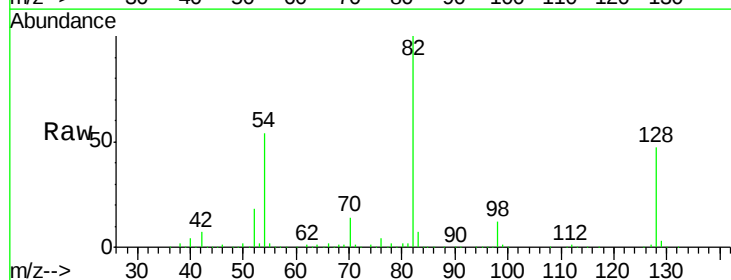
Manual Integrations
APPROVED

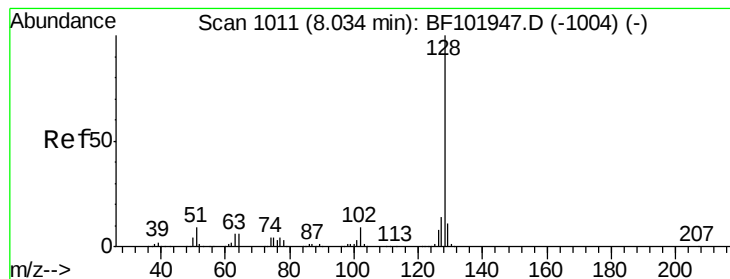
Sohil
1/15/2018 4:22:20 PM



#23
Nitrobenzene-d5
Concen: 72.648 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.1	36.1	54.1
54	54.2	41.4	62.2





#31

Naphthalene

Concen: 5.175 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Instrument :

BNA_F

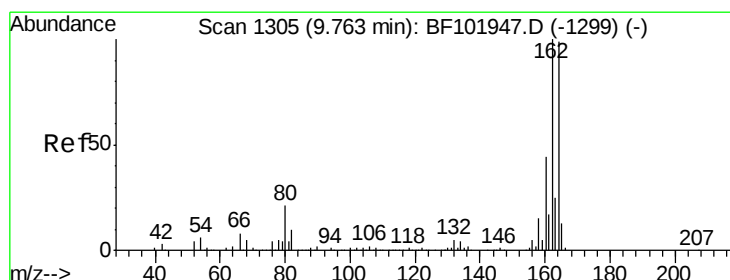
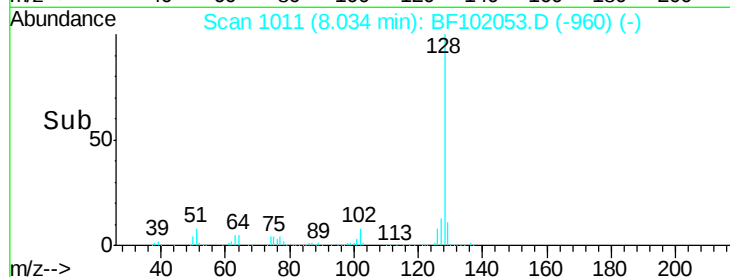
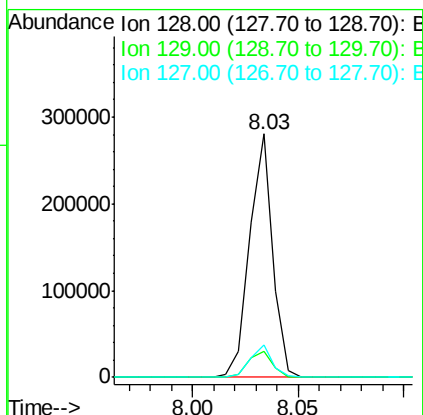
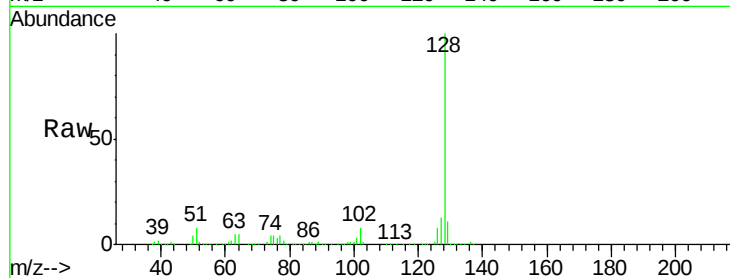
ClientSampleId :

BU-02-011118

Tgt Ion:	128	Resp:	213088
Ion Ratio		Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.3	10.9	16.3

Manual Integrations
APPROVED

Sohil
1/15/2018 4:22:20 PM



#38

Acenaphthene-d10

Concen: 20.000 ng

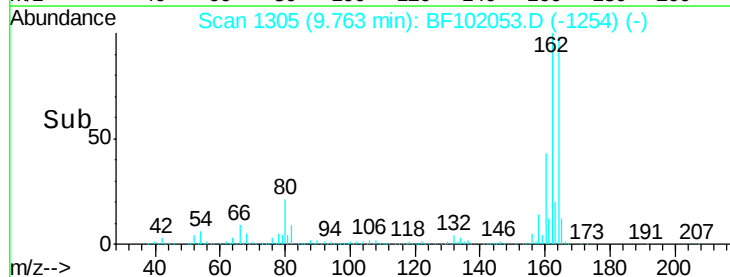
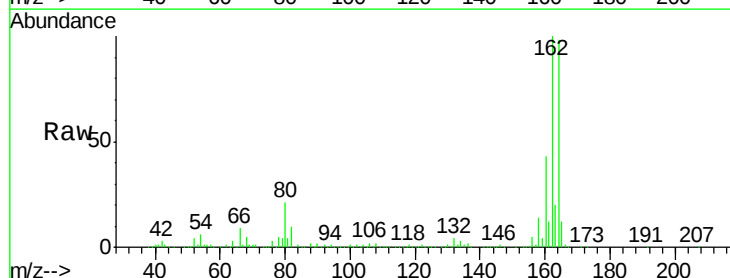
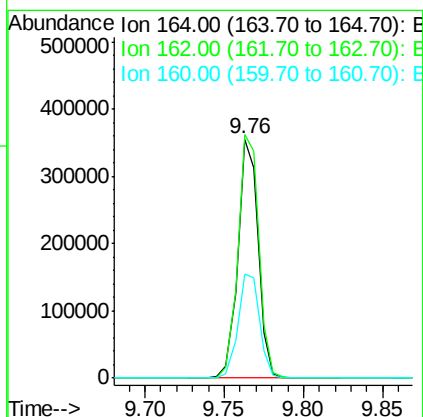
RT: 9.76 min Scan# 1305

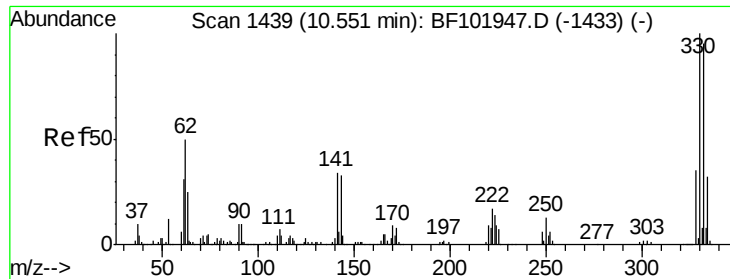
Delta R.T. 0.00 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Tgt Ion:	164	Resp:	314238
Ion Ratio		Lower	Upper
164	100		
162	102.1	86.1	129.1
160	43.8	38.3	57.5





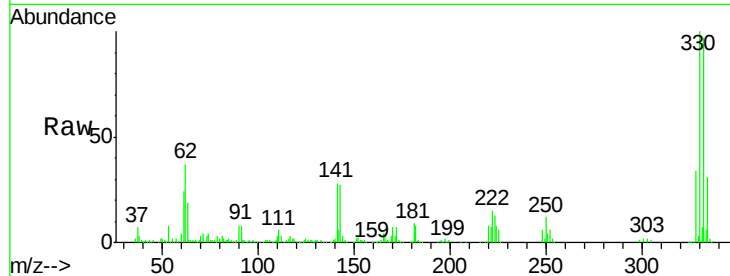
#41
 2,4,6-Tribromophenol
 Concen: 82.259 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF102053.D
 Acq: 12 Jan 2018 19:56

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-011118

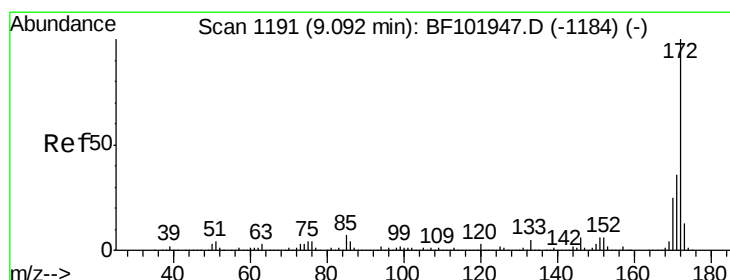
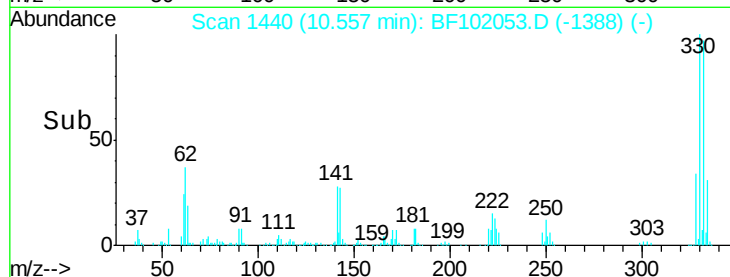
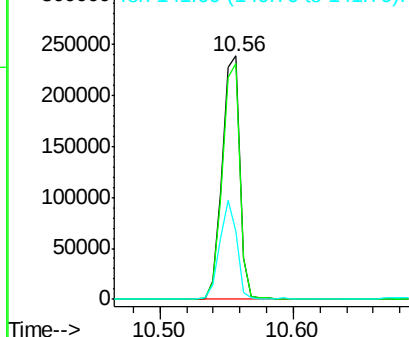
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	225579		
332	95.8	77.0	115.6	
141	38.7	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 1/15/2018 4:22:20 PM

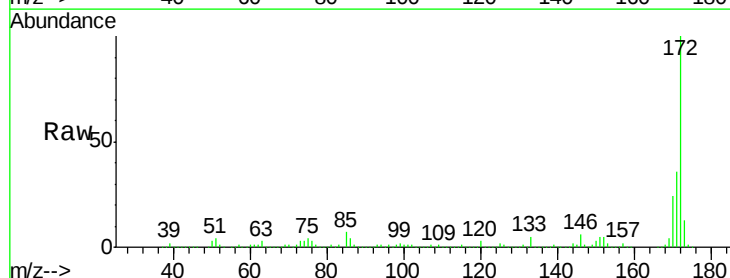


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

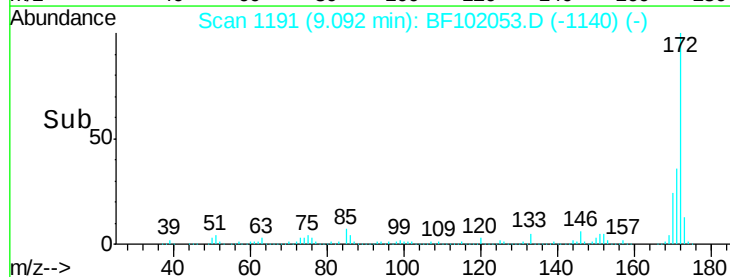
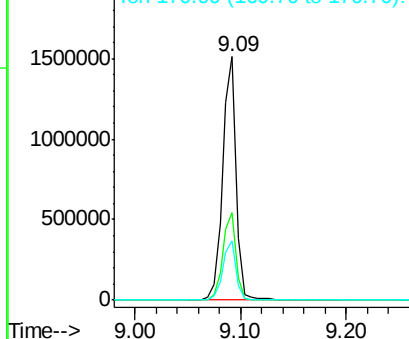


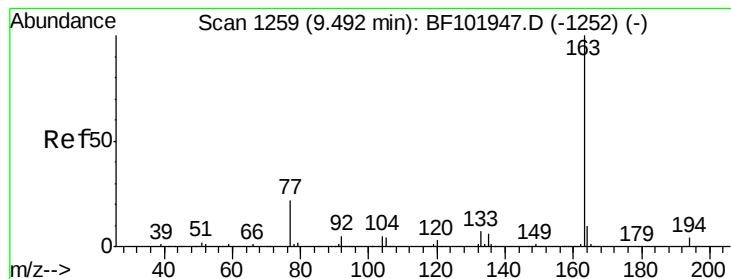
#44
 2-Fluorobiphenyl
 Concen: 67.084 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF102053.D
 Acq: 12 Jan 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1349346		
171	35.8	29.7	44.5	
170	24.2	19.6	29.4	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.554 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Instrument :

BNA_F

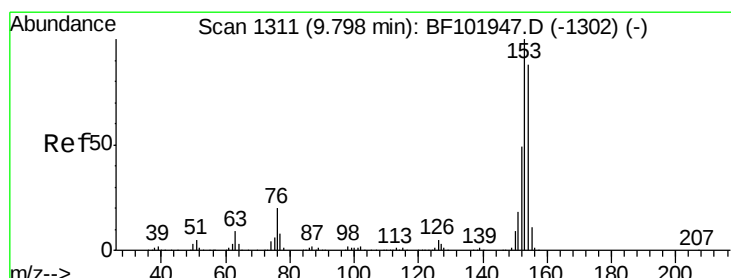
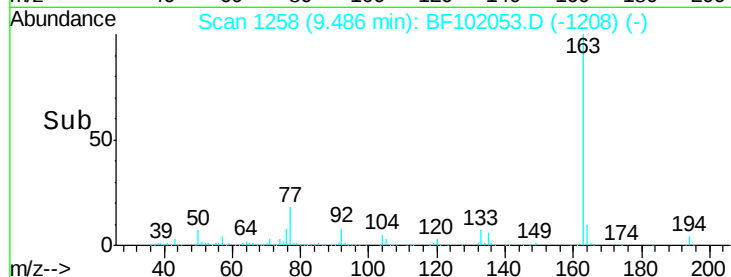
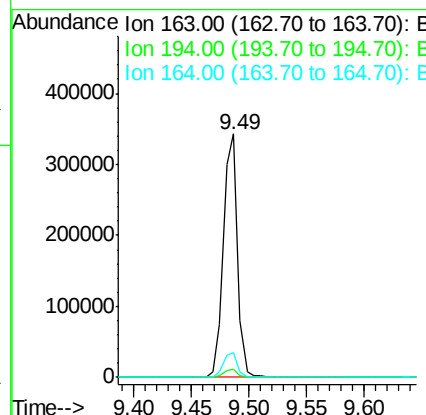
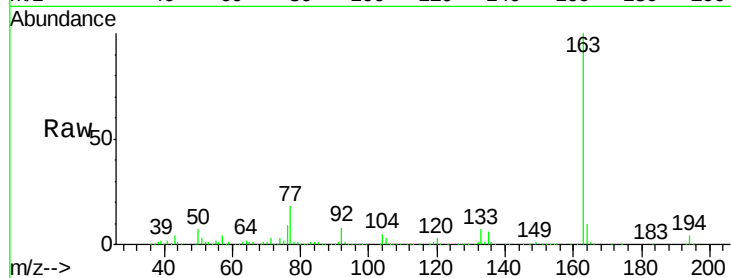
ClientSampleId :

BU-02-011118

Tgt Ion:	163	Resp:	291246
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.0	8.2	12.2

Manual Integrations
APPROVED

Sohil
1/15/2018 4:22:20 PM



#51

Acenaphthene

Concen: 6.283 ng

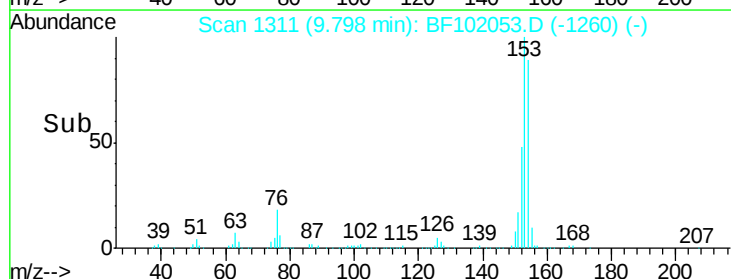
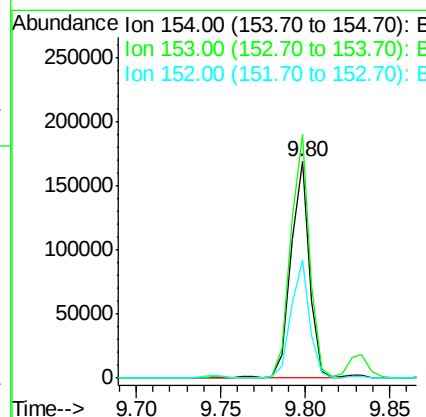
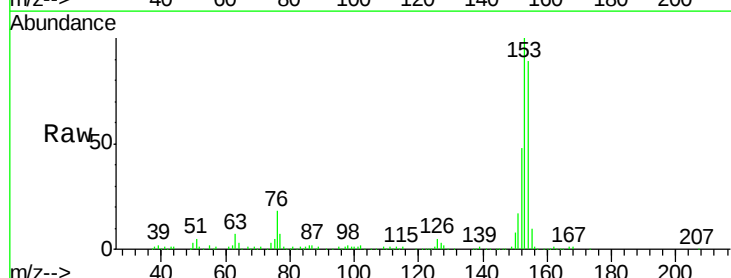
RT: 9.80 min Scan# 1311

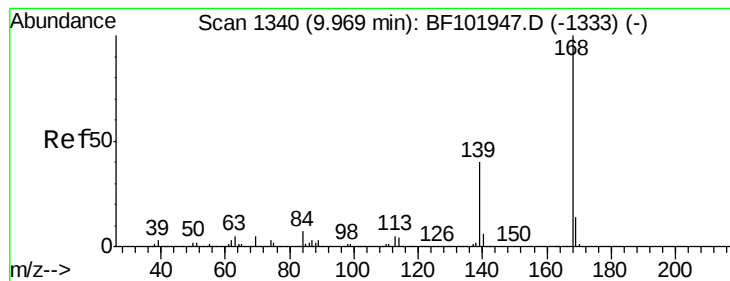
Delta R.T. 0.00 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Tgt Ion:	154	Resp:	130357
Ion Ratio	Lower	Upper	
154	100		
153	112.6	91.2	136.8
152	54.5	43.8	65.8





#54

Dibenzofuran

Concen: 6.943 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Instrument :

BNA_F

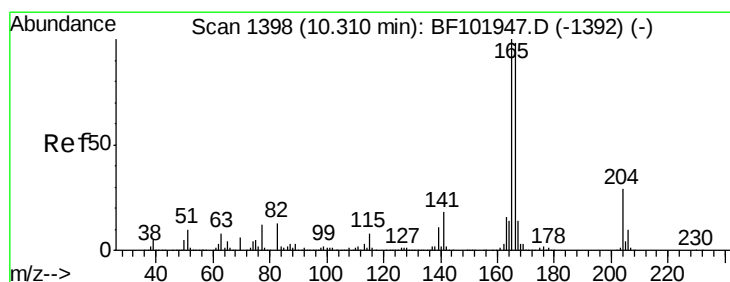
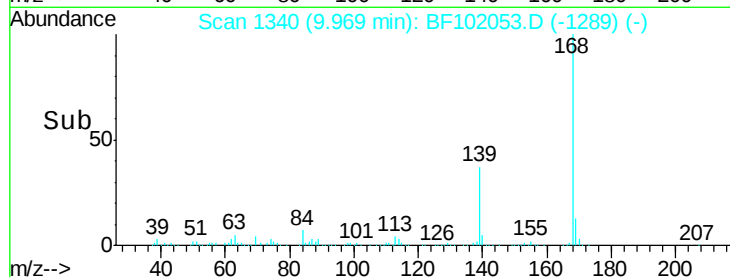
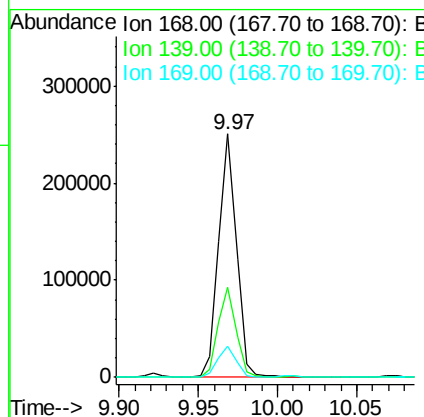
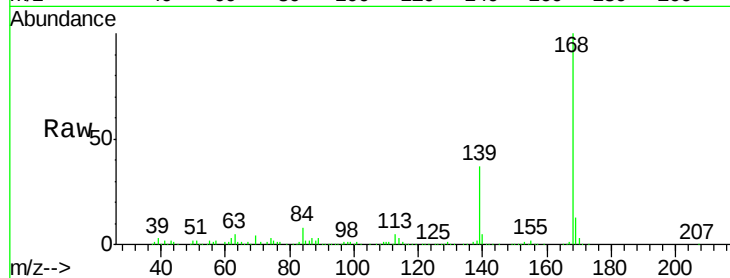
ClientSampleId :

BU-02-011118

Tgt Ion:	168	Resp:	197697
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.1	45.1
169	12.7	10.9	16.3

Manual Integrations
APPROVED

Sohil
1/15/2018 4:22:20 PM



#57

Fluorene

Concen: 11.977 ng

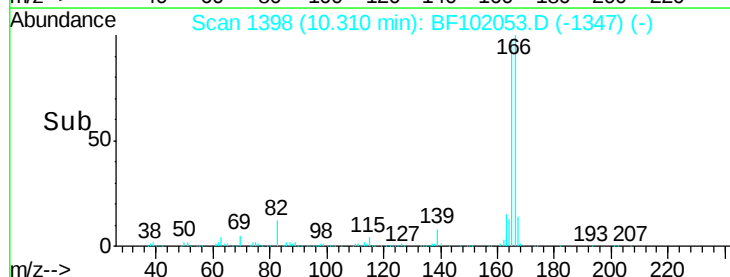
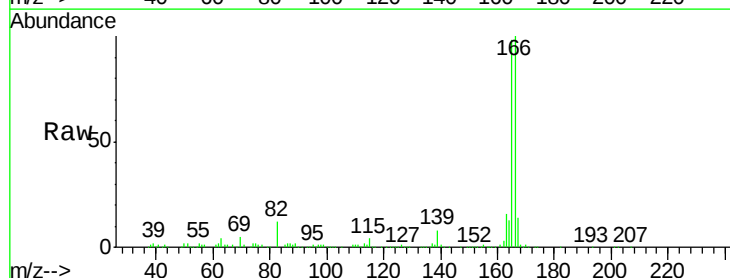
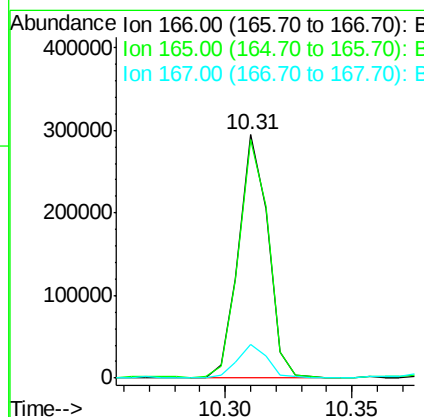
RT: 10.31 min Scan# 1398

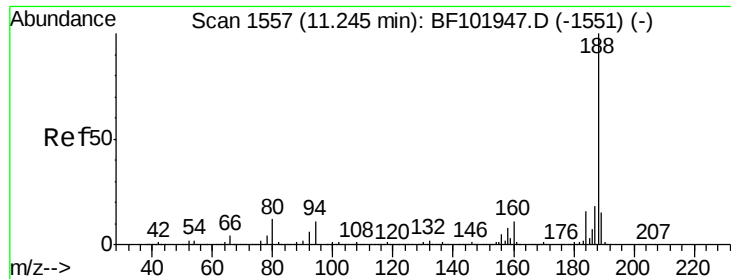
Delta R.T. 0.00 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Tgt Ion:	166	Resp:	235743
Ion Ratio	Lower	Upper	
166	100		
165	98.0	79.8	119.8
167	13.6	10.6	16.0





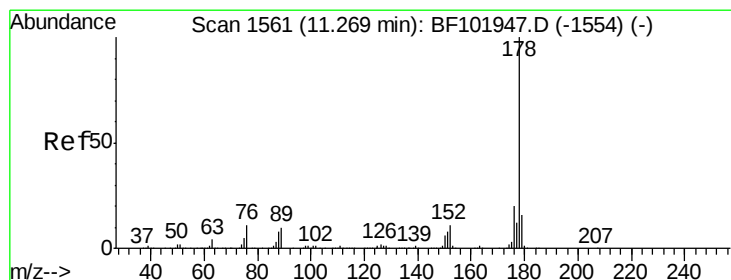
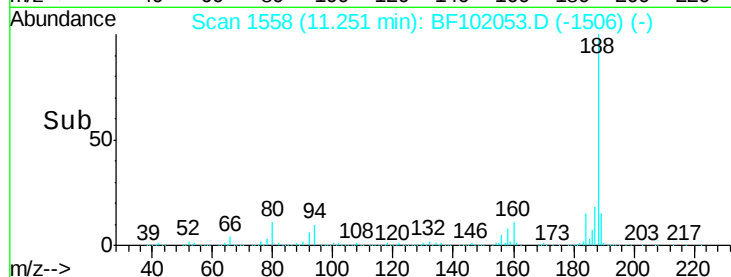
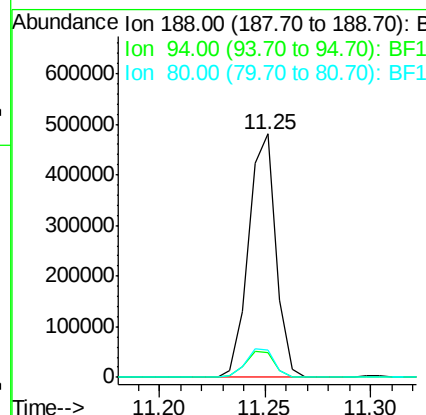
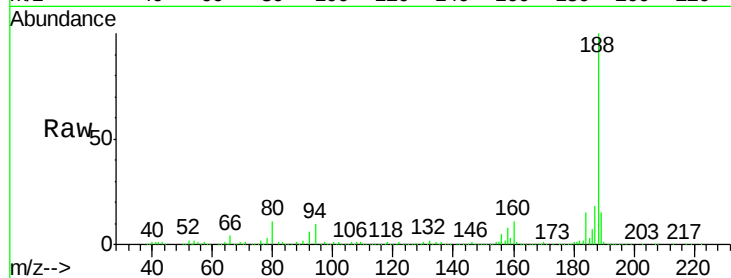
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Instrument :
BNA_F
ClientSampleId :
BU-02-011118

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	8.5	12.7
80	11.0	9.2	13.8

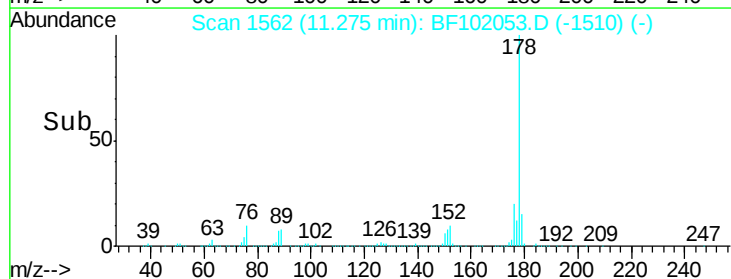
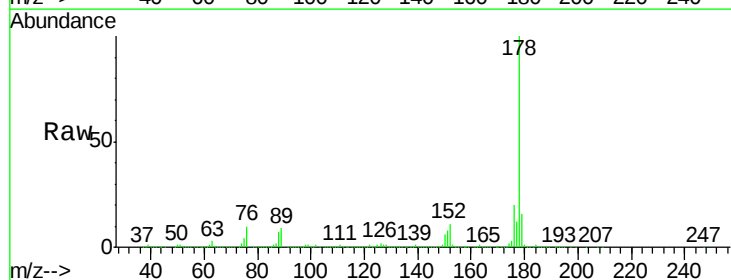
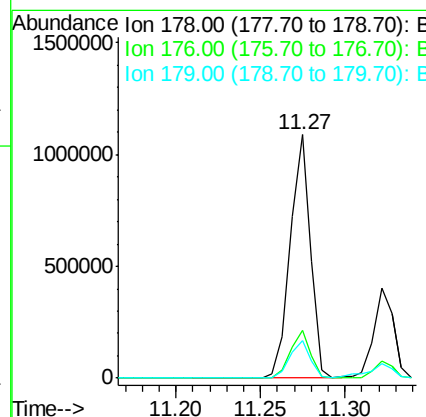
Manual Integrations
APPROVED

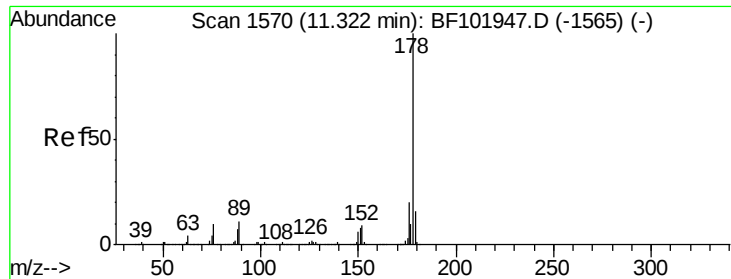
Sohil
1/15/2018 4:22:20 PM



#70
Phenanthrene
Concen: 36.285 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.5	13.0	19.6





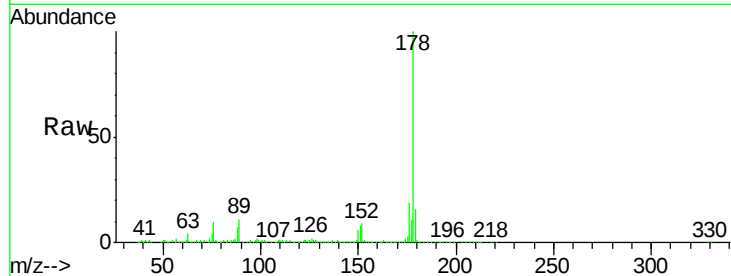
#71
 Anthracene
 Concen: 12.581 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF102053.D
 Acq: 12 Jan 2018 19:56

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-011118

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.8	12.6	19.0

Manual Integrations
 APPROVED

Sohil
 1/15/2018 4:22:20 PM

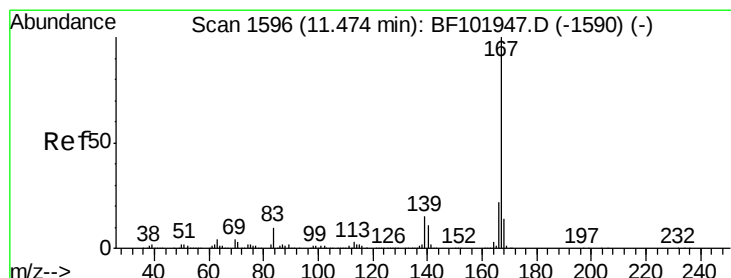
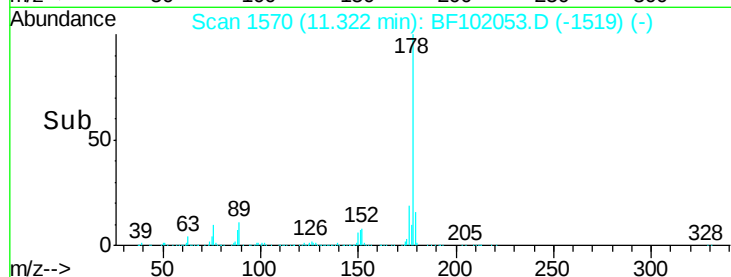
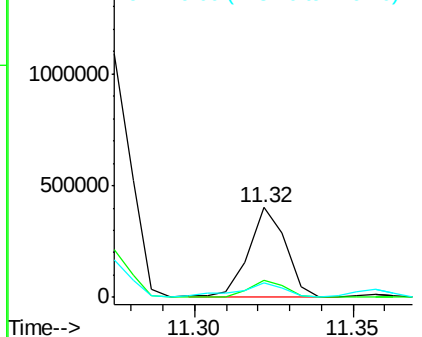


Abundance

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
 Carbazole
 Concen: 6.160 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF102053.D
 Acq: 12 Jan 2018 19:56

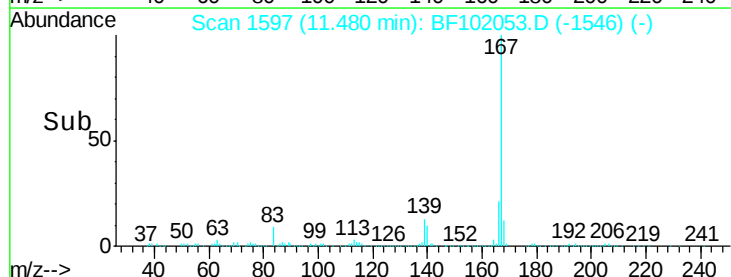
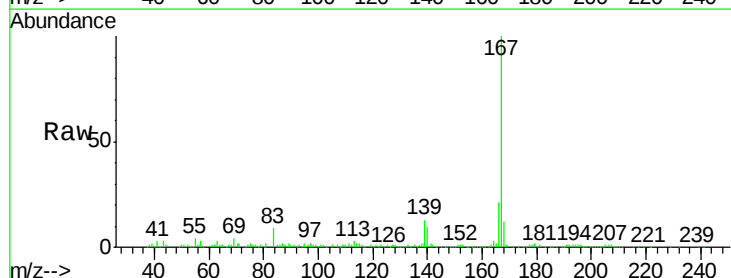
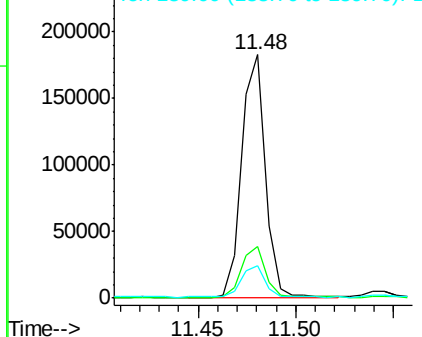
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.6	26.4
139	13.1	10.9	16.3

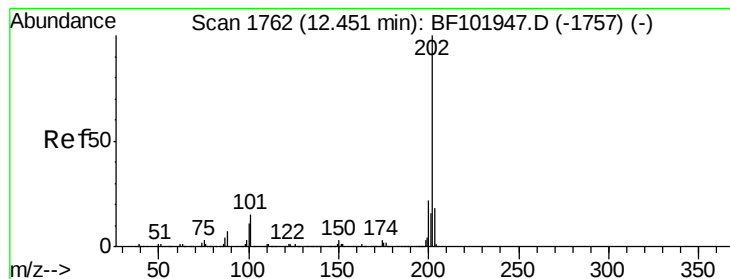
Abundance

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: 34.891 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Instrument :

BNA_F

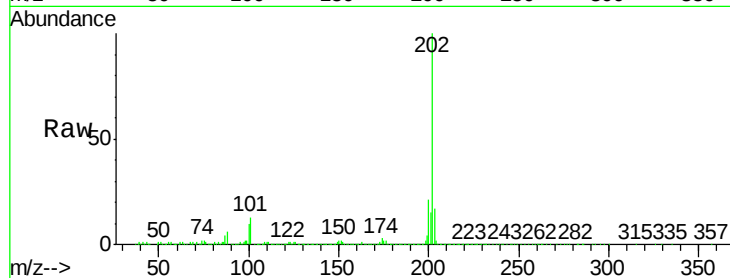
ClientSampleId :

BU-02-011118

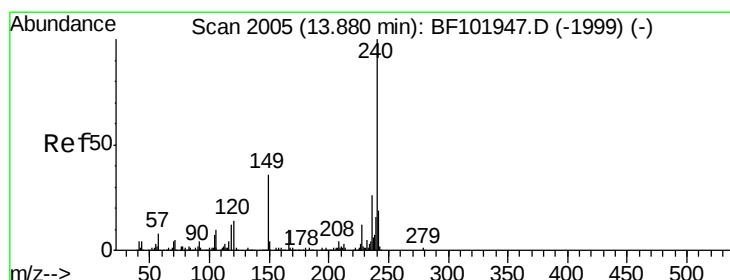
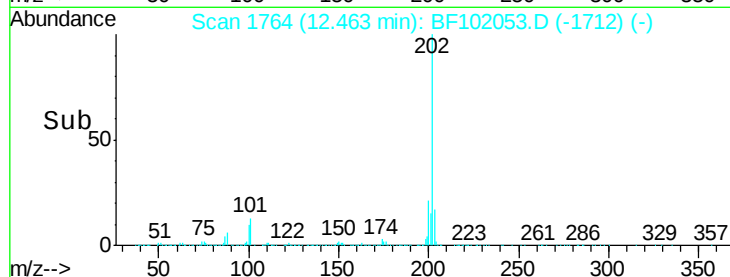
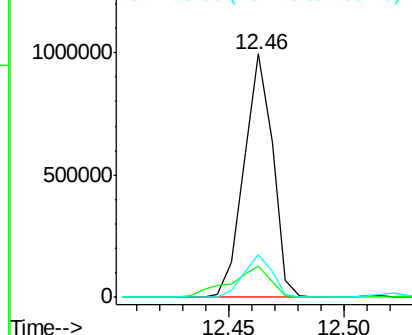
Tgt	Ion	202	Resp:	865297
Ion	Ratio	Lower	Upper	
202	100			
101	12.9	0.0	34.1	
203	17.3	0.0	38.1	

Manual Integrations
APPROVED

Sohil
1/15/2018 4:22:20 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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

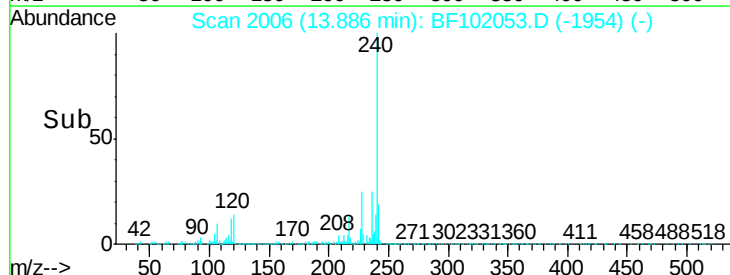
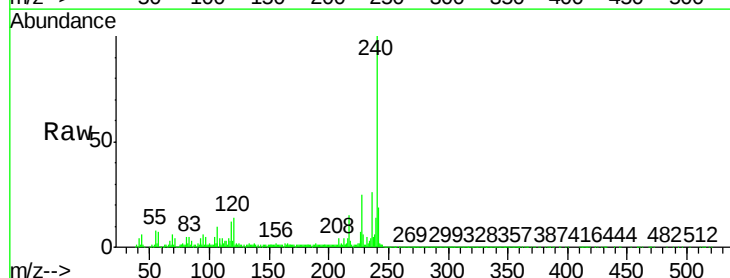
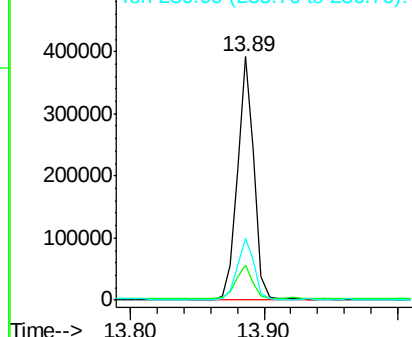
Delta R.T. 0.01 min

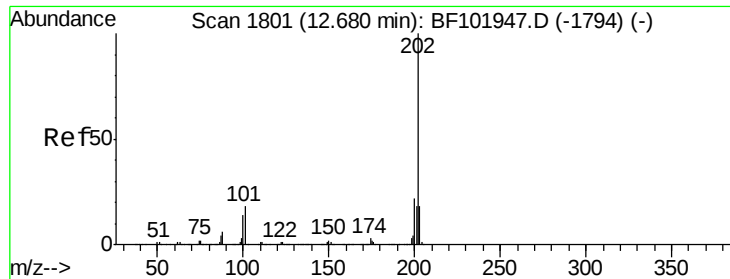
Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Tgt	Ion	240	Resp:	336422
Ion	Ratio	Lower	Upper	
240	100			
120	14.2	9.5	14.3	
236	25.6	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





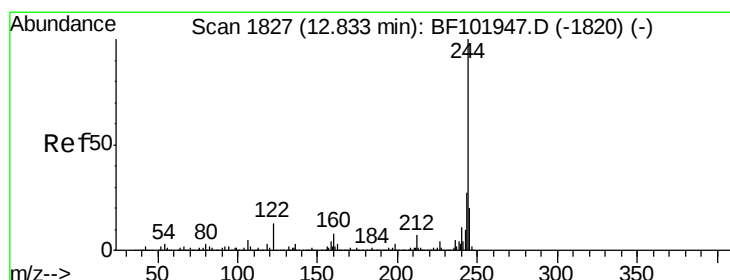
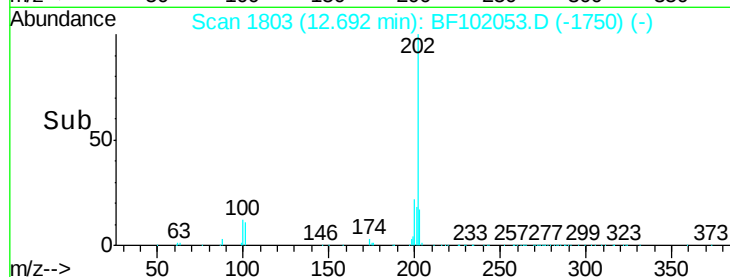
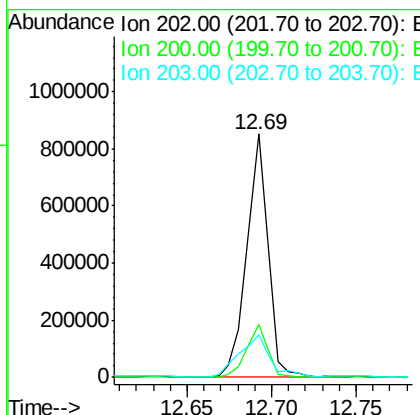
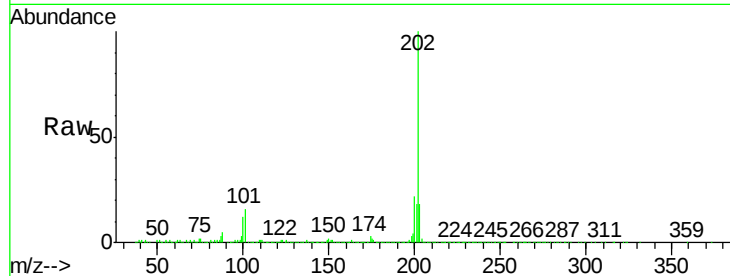
#77
 Pyrene
 Concen: 25.402 ng
 RT: 12.69 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: BF102053.D
 Acq: 12 Jan 2018 19:56

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-011118

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.8	17.4	26.2
203	17.7	14.3	21.5

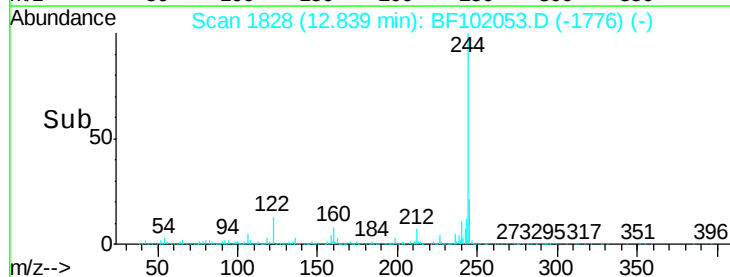
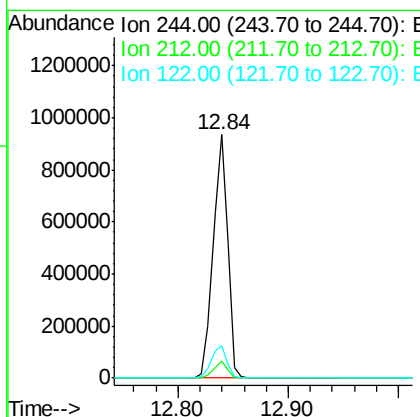
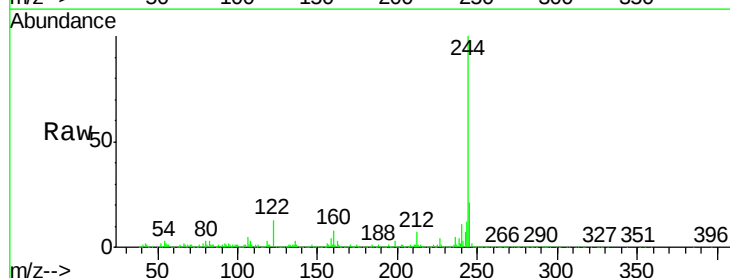
Manual Integrations
 APPROVED

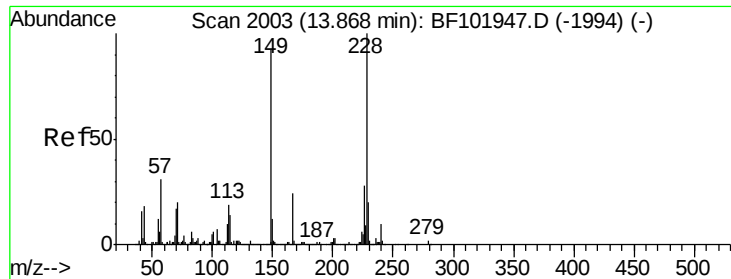
Sohil
 1/15/2018 4:22:20 PM



#78
 Terphenyl-d14
 Concen: 51.451 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. 0.01 min
 Lab File: BF102053.D
 Acq: 12 Jan 2018 19:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	5.4	8.0
122	13.3	11.0	16.4





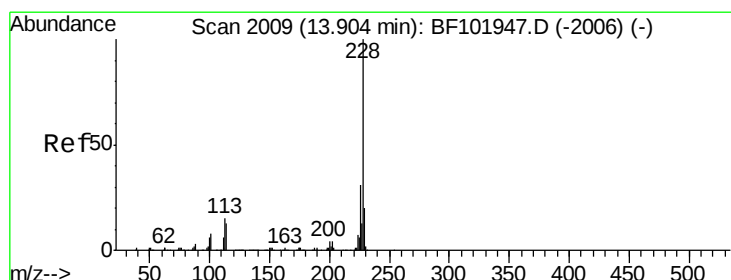
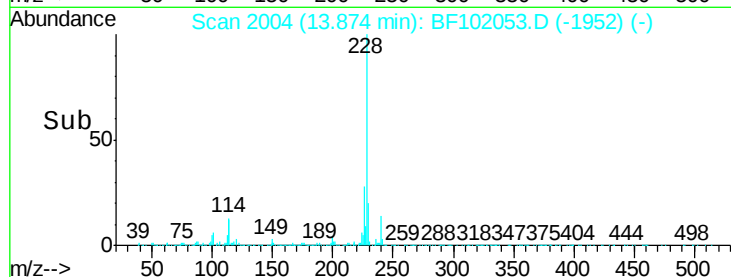
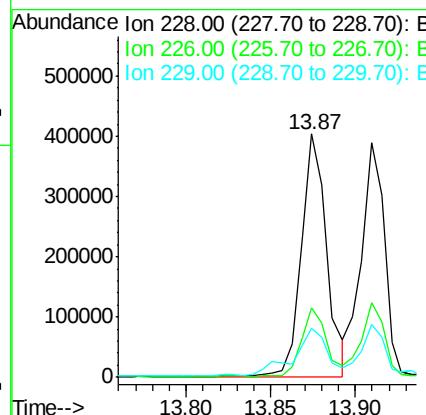
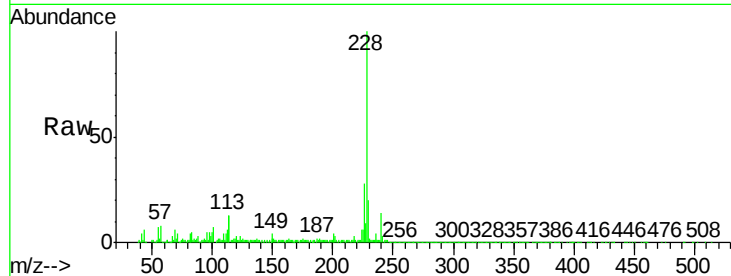
#80
Benzo(a)anthracene
Concen: 19.640 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Instrument :
BNA_F
ClientSampleId :
BU-02-011118

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.0	15.8	23.6

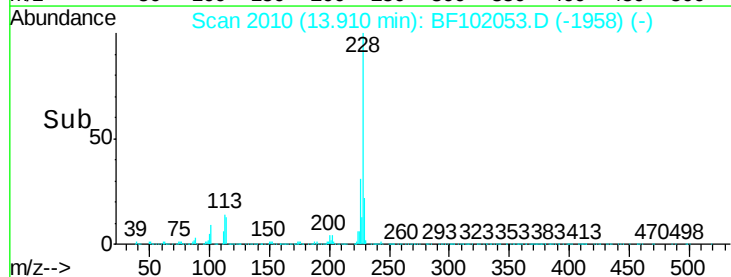
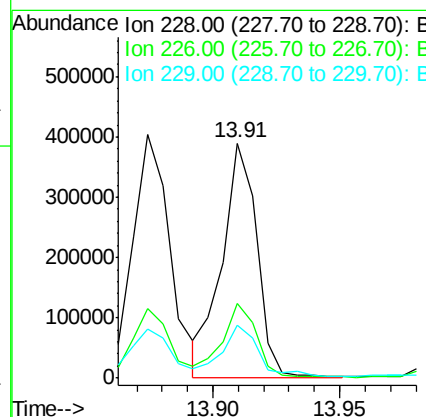
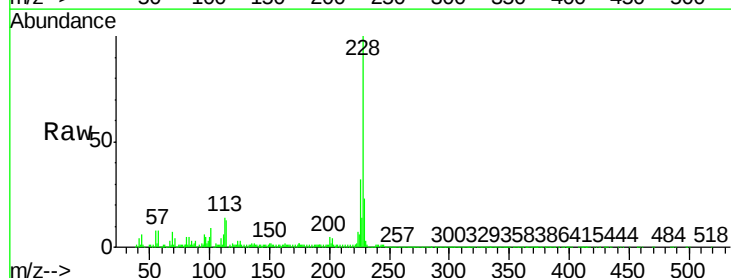
Manual Integrations
APPROVED

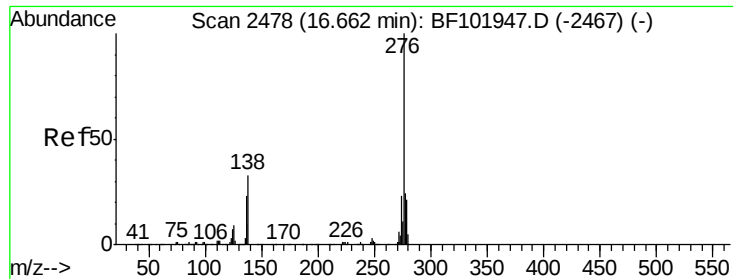
Sohil
1/15/2018 4:22:20 PM



#82
Chrysene
Concen: 16.585 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.5	16.2	24.4





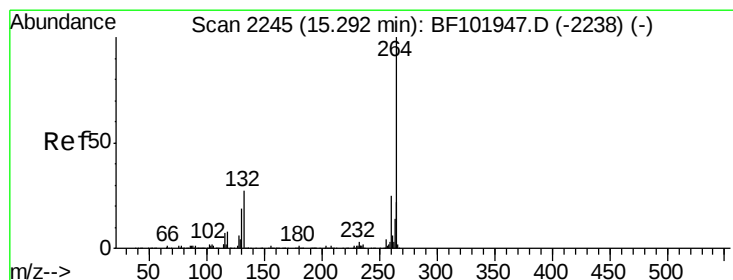
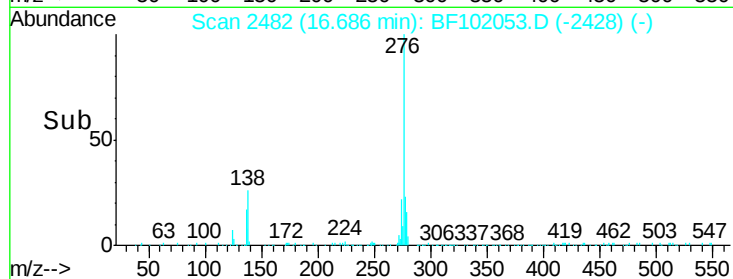
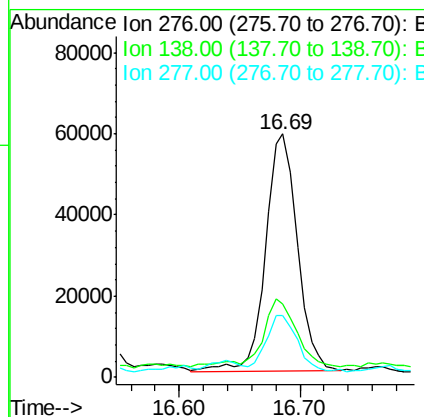
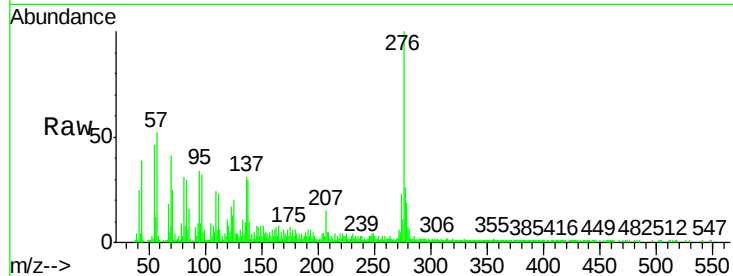
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.550 ng
RT: 16.69 min Scan# 2482
Delta R.T. 0.02 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Instrument :
BNA_F
ClientSampleId :
BU-02-011118

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	106695		
138	30.5	25.0	37.6	
277	24.0	20.1	30.1	

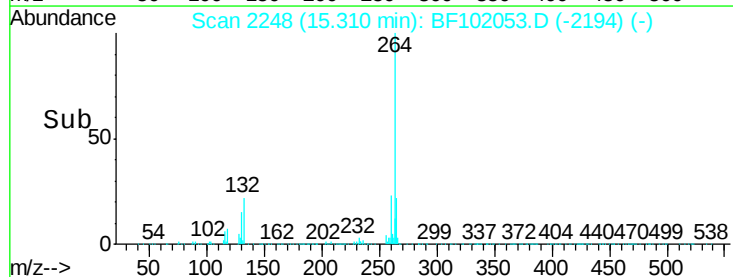
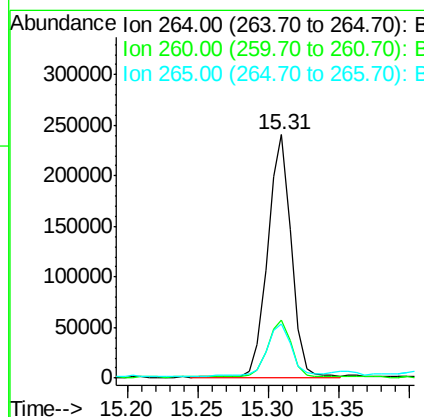
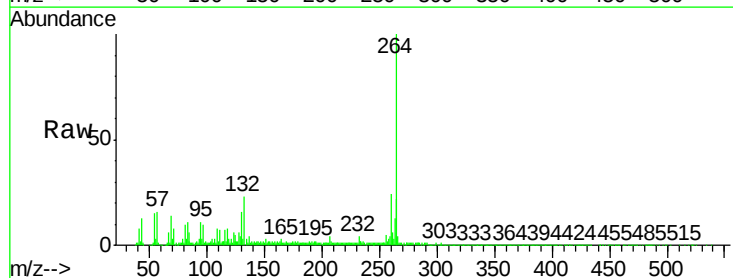
Manual Integrations
APPROVED

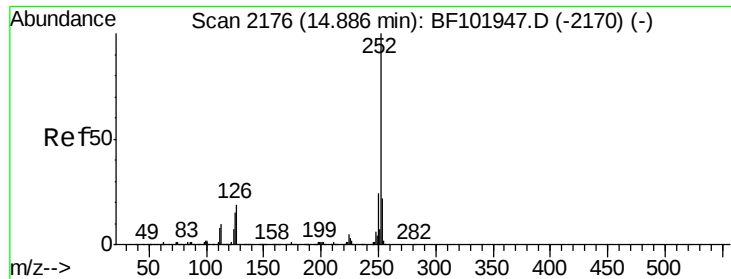
Sohil
1/15/2018 4:22:20 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.02 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	280907		
260	23.7	19.2	28.8	
265	22.2	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 18.301 ng m

RT: 14.90 min Scan# 2179

Delta R.T. 0.02 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Instrument :

BNA_F

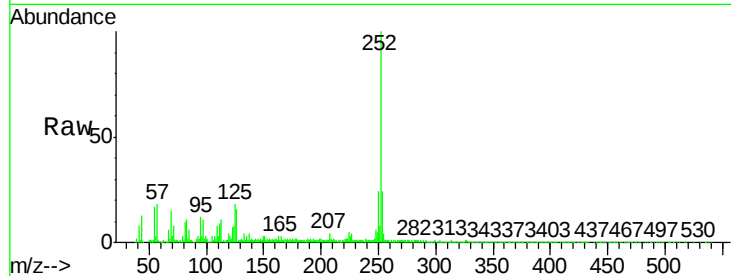
ClientSampleId :

BU-02-011118

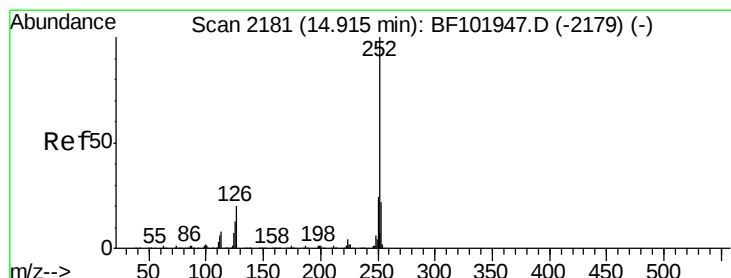
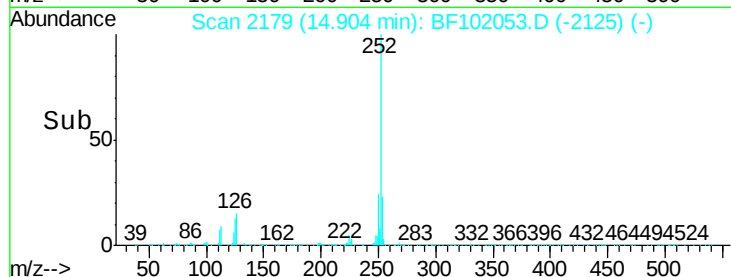
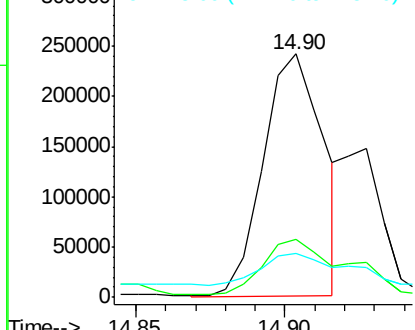
Tgt Ion:	252	Resp:	335196
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	17.9	9.0	13.6#

Manual Integrations
APPROVED

Sohil
1/15/2018 4:22:20 PM



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



#88

Benzo(k)fluoranthene

Concen: 7.870 ng m

RT: 14.93 min Scan# 2183

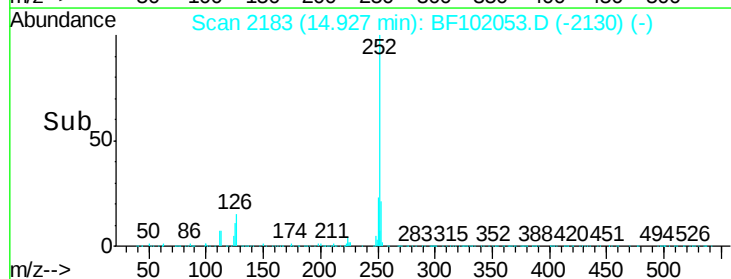
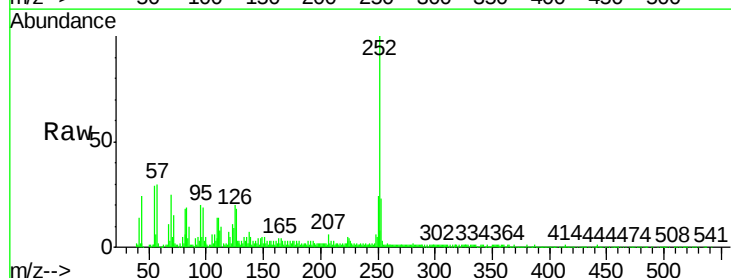
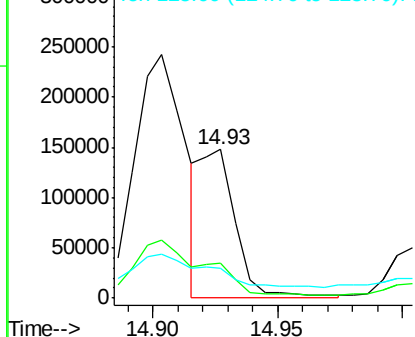
Delta R.T. 0.01 min

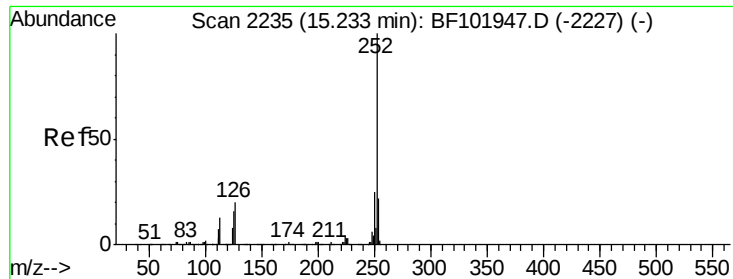
Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Tgt Ion:	252	Resp:	139052
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.9	26.9
125	20.1	10.2	15.2#

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





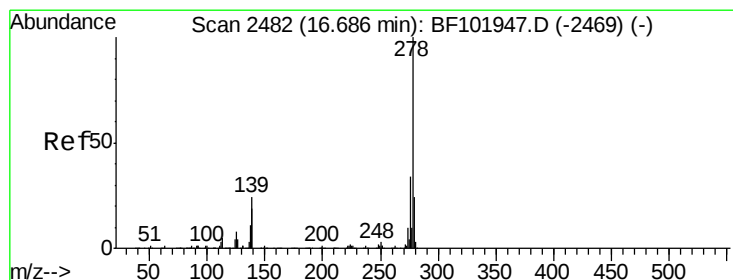
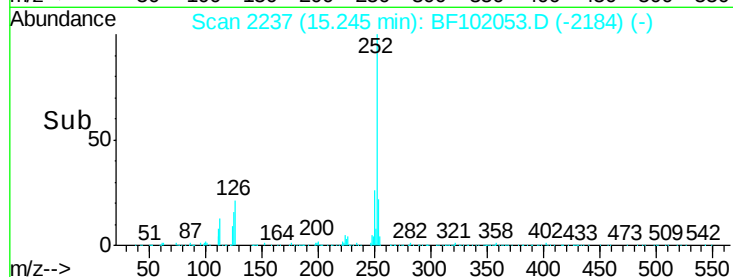
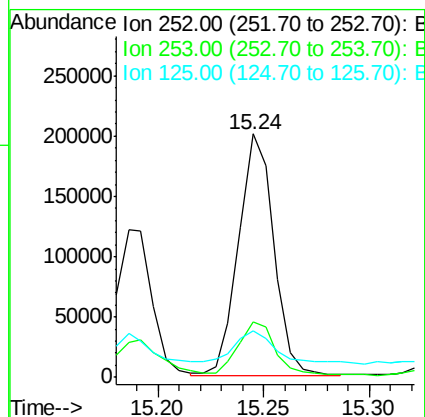
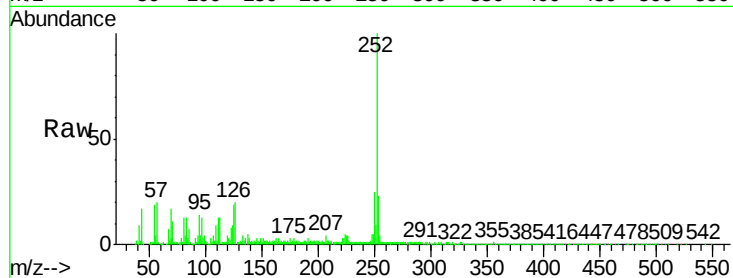
#89
Benzo(a)pyrene
Concen: 13.992 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Instrument :
BNA_F
ClientSampleId :
BU-02-011118

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	19.3	9.8	14.6

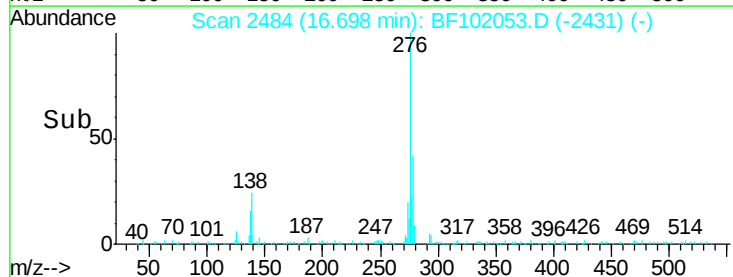
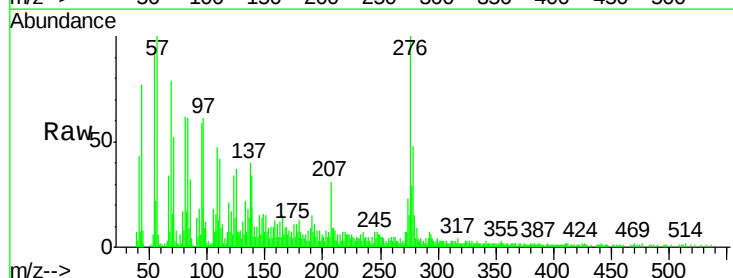
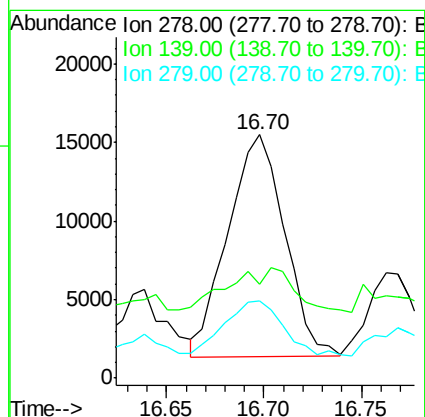
Manual Integrations
APPROVED

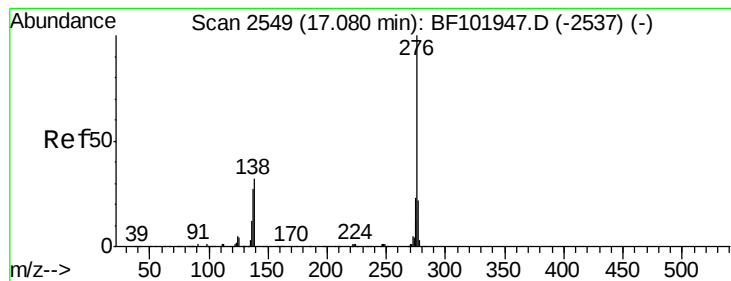
Sohil
1/15/2018 4:22:20 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.170 ng
RT: 16.70 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BF102053.D
Acq: 12 Jan 2018 19:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.4	15.9	23.9
279	31.7	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 6.892 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BF102053.D

Acq: 12 Jan 2018 19:56

Instrument :

BNA_F

ClientSampleId :

BU-02-011118

Tgt	Ion	276	Resp:	91314
Ion	Ratio	100	Lower	Upper
276	100			
277	23.9	17.9	26.9	
138	32.7	21.8	32.8	

Manual Integrations
APPROVED

Sohil
1/15/2018 4:22:20 PM

