

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104527.D
 Acq On : 16 Apr 2018 12:06
 Operator : JU/SJ
 Sample : J2152-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-041218

Manual Integrations
 APPROVED

Sohil
 4/17/2018 10:08:41 AM

Quant Time: Apr 16 13:46:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	170944	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	697617	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	306064	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	463405	20.00	ng	0.00
75) Chrysene-d12	13.99	240	338754	20.00	ng	0.00
86) Perylene-d12	15.46	264	310873	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1123361	100.48	ng	0.01
7) Phenol-d6	6.45	99	1412925	102.86	ng	0.00
23) Nitrobenzene-d5	7.37	82	885023	82.84	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	305059	96.09	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1422951	73.45	ng	0.00
78) Terphenyl-d14	12.93	244	1027242	69.13	ng	0.00
Target Compounds						
10) Phenol	6.46	94	60598	4.158	ng	95
49) Dimethylphthalate	9.56	163	273986	11.352	ng	100
51) Acenaphthene	9.88	154	40958	2.107	ng	99
57) Fluorene	10.40	166	58783	2.981	ng	96
70) Phenanthrene	11.36	178	371224	14.385	ng	98
71) Anthracene	11.41	178	111432	4.248	ng	97
74) Fluoranthene	12.55	202	350866	13.013	ng	98
77) Pyrene	12.78	202	288487	11.489	ng	99
80) Benzo(a)anthracene	13.97	228	152059	7.514	ng	99
82) Chrysene	14.01	228	136152	6.550	ng	97
87) Benzo(b)fluoranthene	15.03	252	162324m	8.267	ng	
88) Benzo(k)fluoranthene	15.06	252	64591m	3.485	ng	
89) Benzo(a)pyrene	15.40	252	108071	6.152	ng	# 94
91) Benzo(a,h,i)perylene	17.36	276	53807	3.849	ng	98

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

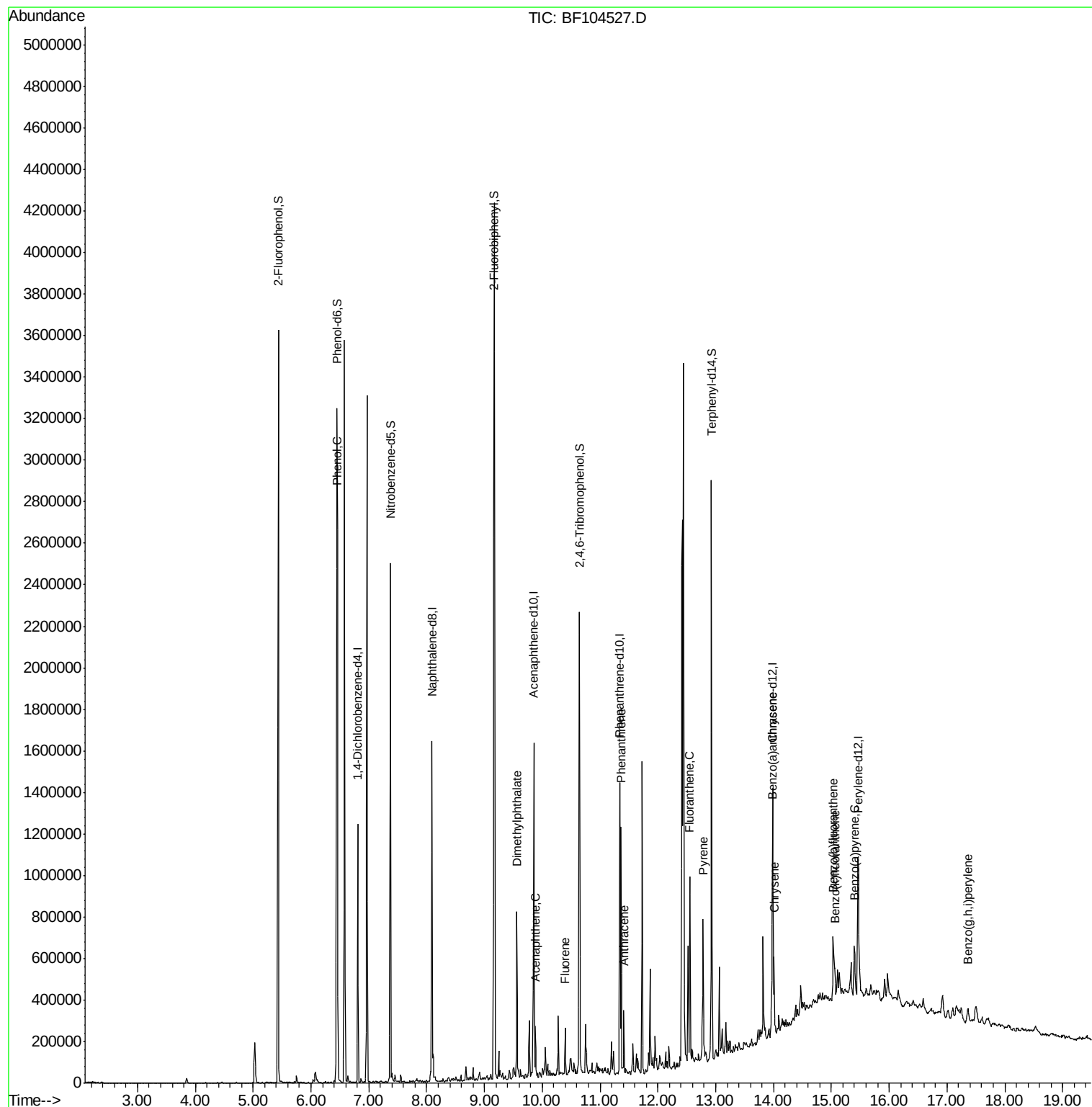
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104527.D
Acq On : 16 Apr 2018 12:06
Operator : JU/SJ
Sample : J2152-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

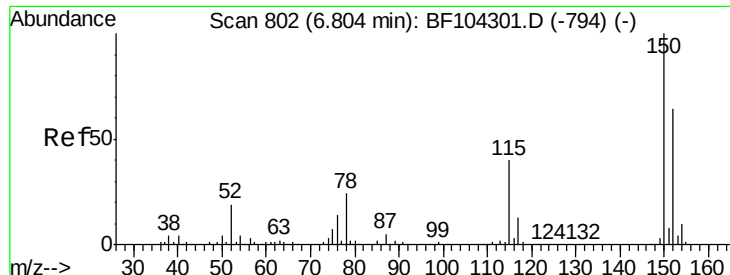
Instrument :
BNA_F
ClientSampleId :
BU-01-041218

Manual Integrations
APPROVED

Sohil
4/17/2018 10:08:41 AM

Quant Time: Apr 16 13:46:22 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 16 12:15:25 2018
Response via : Initial Calibration





#1

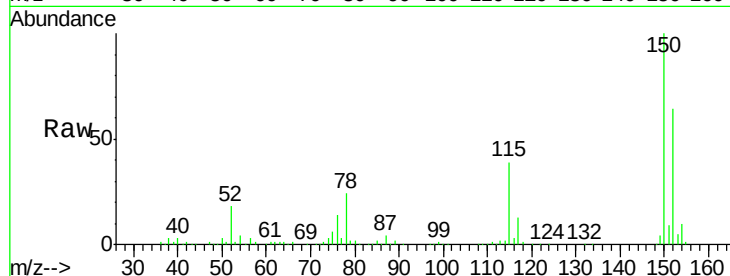
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Instrument :
BNA_F
ClientSampleId :
BU-01-041218

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	61.2	50.1	75.1

Manual Integrations
APPROVED

Sohil
4/17/2018 10:08:41 AM

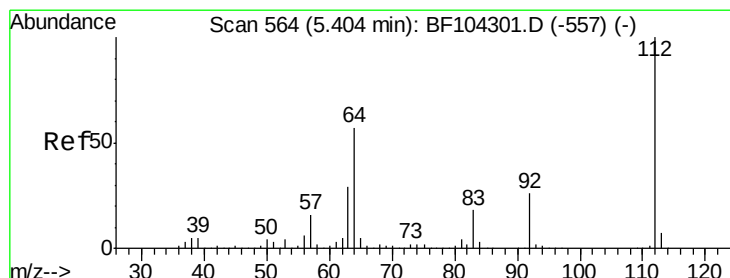
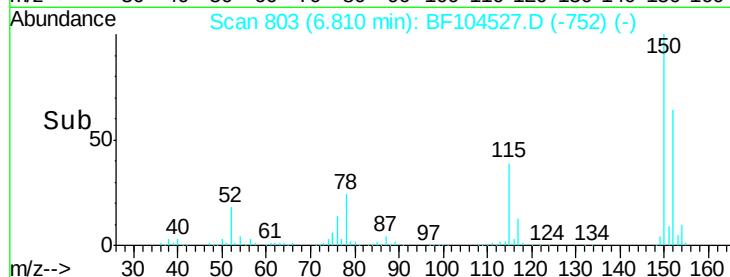
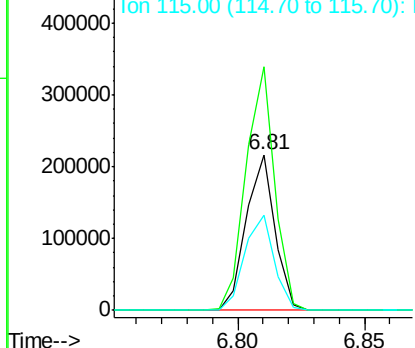


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

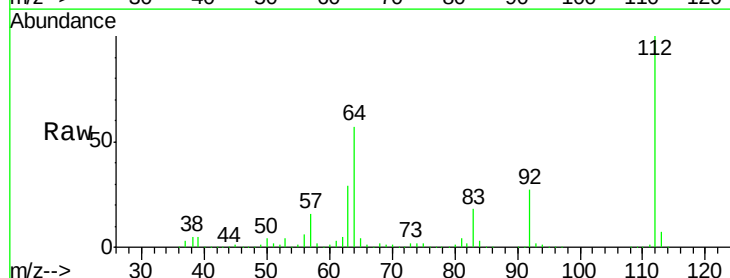
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.482 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	29.1	23.7	35.5

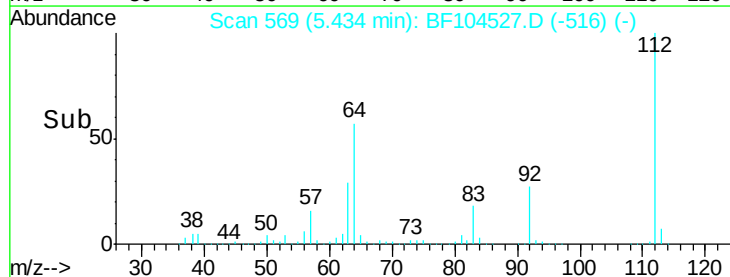
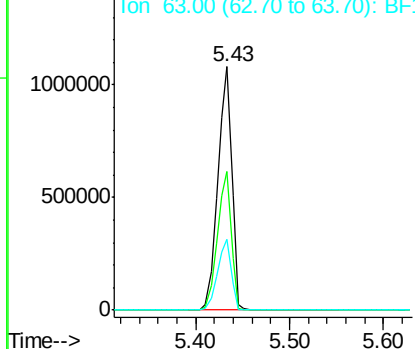


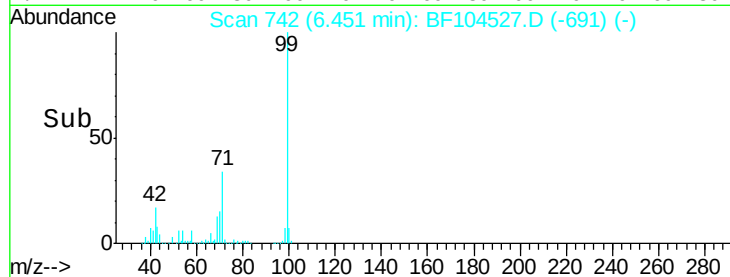
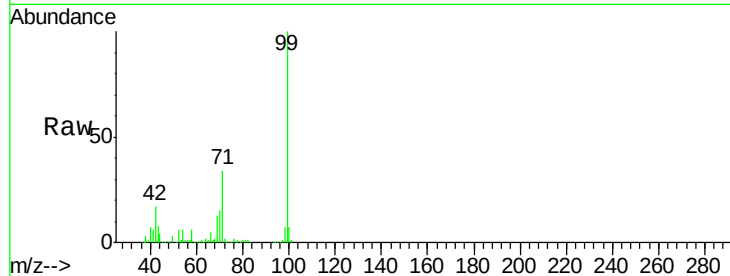
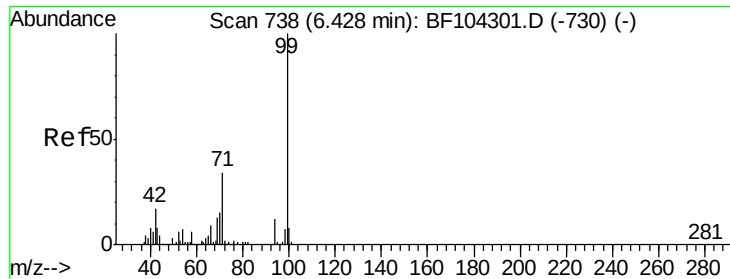
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.861 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104527.D

Acq: 16 Apr 2018 12:06

Tot Ion: 99 Resp: 1412925

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

71 33.5 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

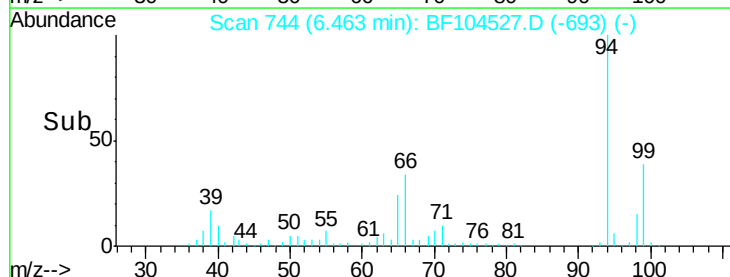
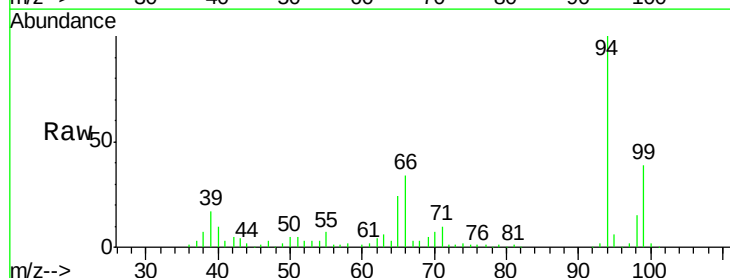
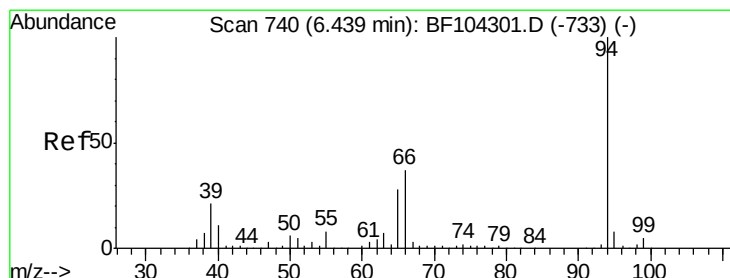
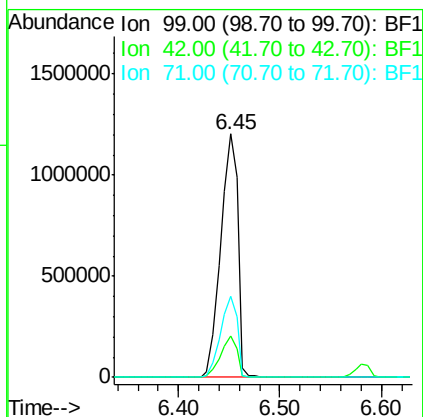
BU-01-041218

Manual Integrations

APPROVED

Sohil

4/17/2018 10:08:41 AM



#10

Phenol

Concen: 4.158 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF104527.D

Acq: 16 Apr 2018 12:06

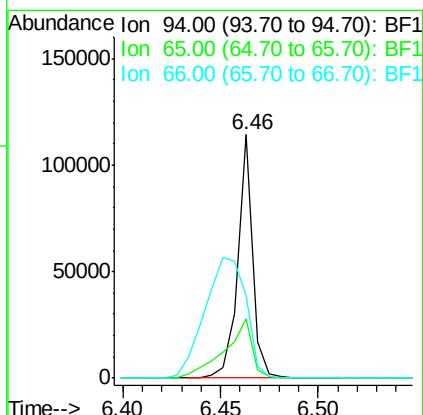
Tgt Ion: 94 Resp: 60598

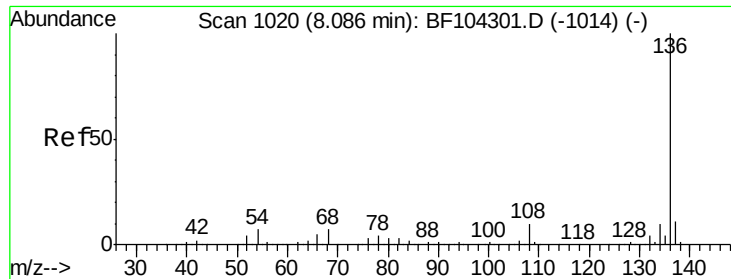
Ion Ratio Lower Upper

94 100

65 24.4 7.9 47.9

66 33.8 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104527.D

Acq: 16 Apr 2018 12:06

Instrument :

BNA_F

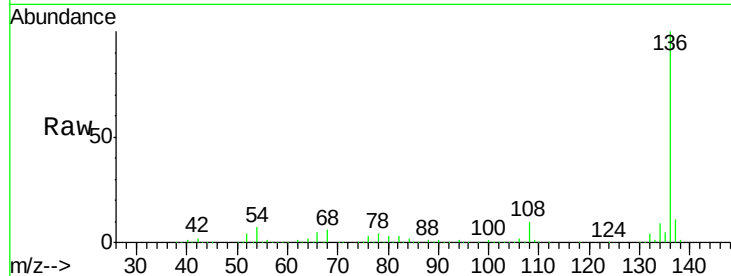
ClientSampleId :

BU-01-041218

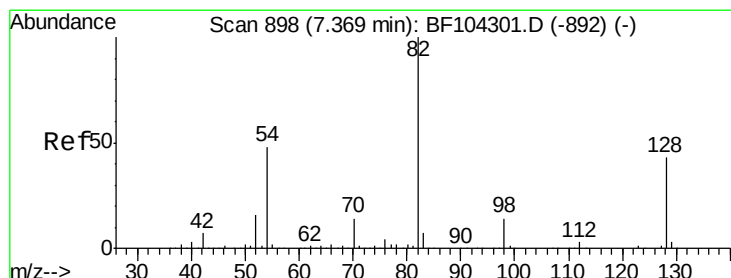
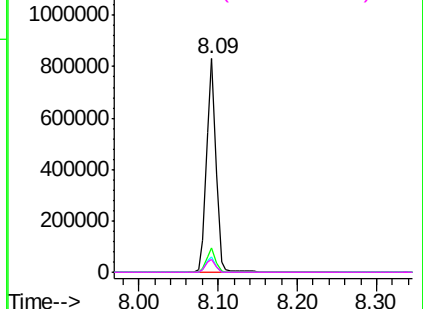
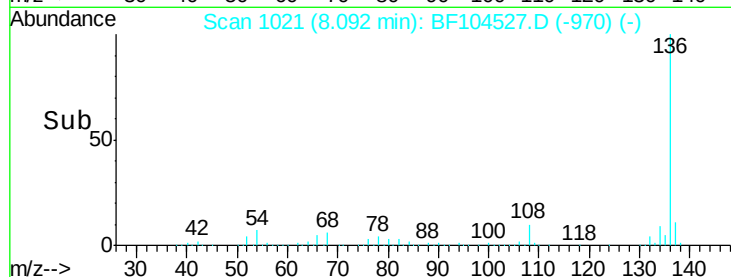
Tot Ion	Ratio	Resp	Lower	Upper
136	100	697617		
137	11.1		8.9	13.3
54	7.0		6.6	9.8
68	6.1		5.0	7.4

Manual Integrations
APPROVED

Sohil
4/17/2018 10:08:41 AM



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): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 82.840 ng

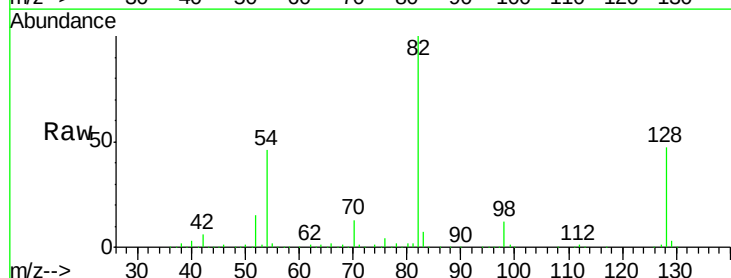
RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

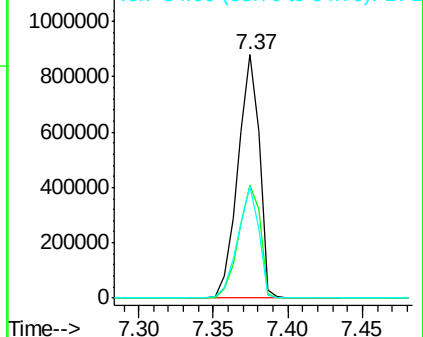
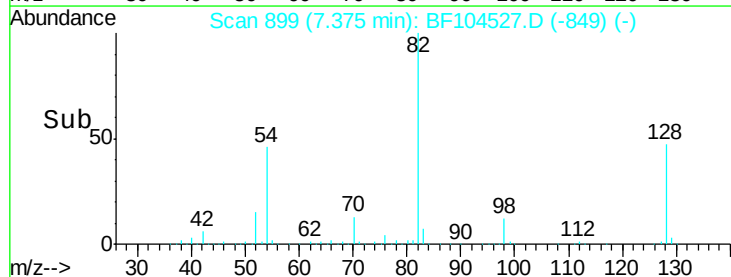
Lab File: BF104527.D

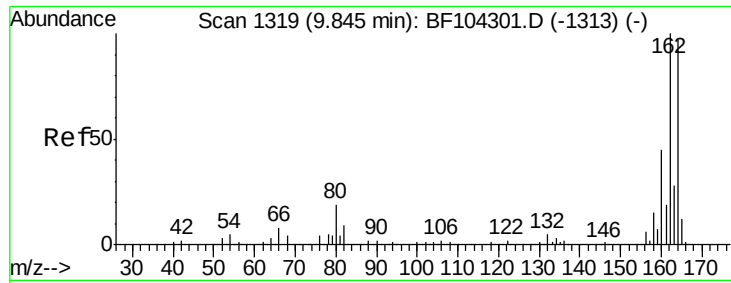
Acq: 16 Apr 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	885023		
128	46.5		36.1	54.1
54	46.0		41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





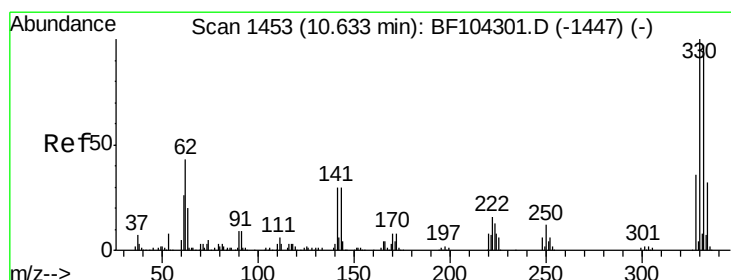
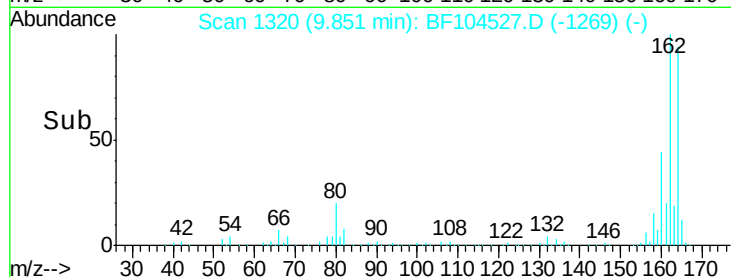
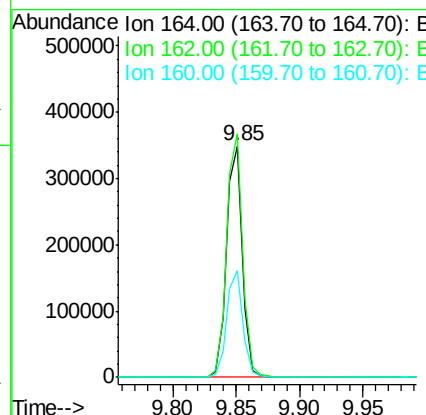
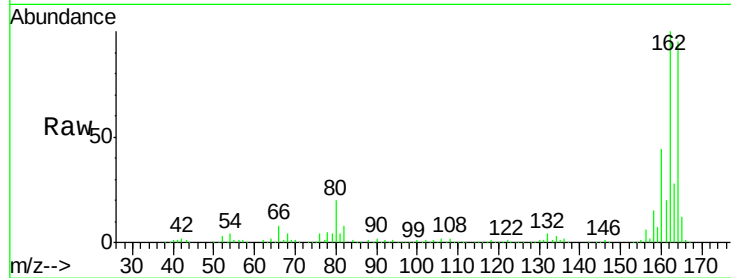
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: BF104527.D
 Acq: 16 Apr 2018 12:06

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-041218

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.3	86.1	129.1	
160	46.4	38.3	57.5	

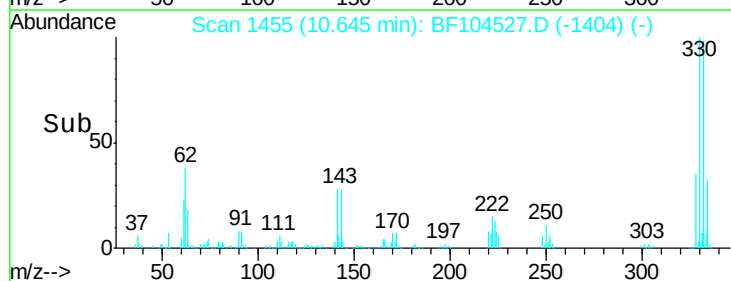
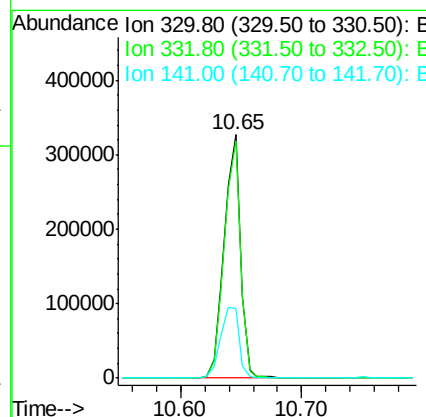
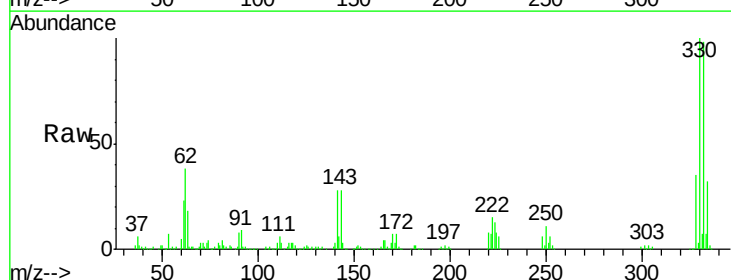
Manual Integrations
 APPROVED

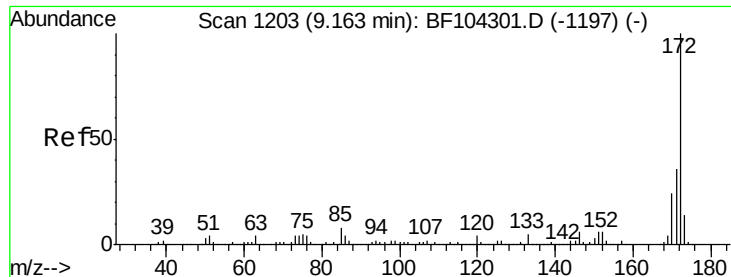
Sohil
 4/17/2018 10:08:41 AM



#41
 2,4,6-Tribromophenol
 Concen: 96.085 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104527.D
 Acq: 16 Apr 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	77.0	115.6	
141	33.5	29.9	44.9	





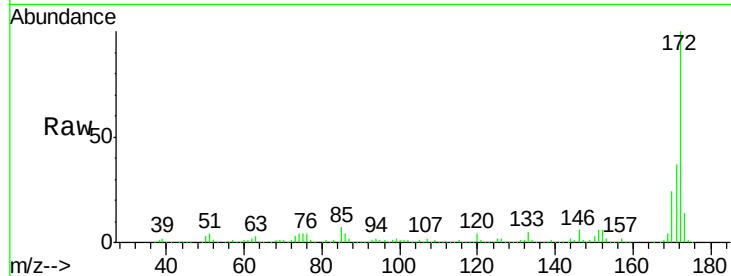
#44
2-Fluorobiphenyl
Concen: 73.446 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Instrument :
BNA_F
ClientSampleId :
BU-01-041218

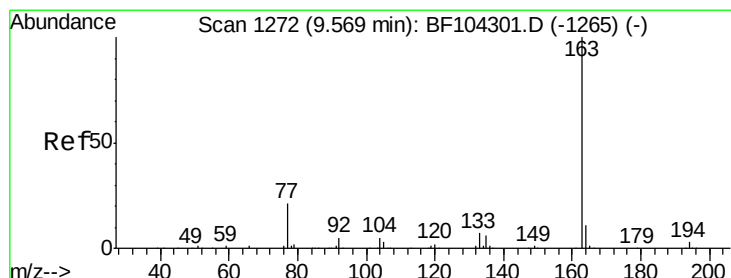
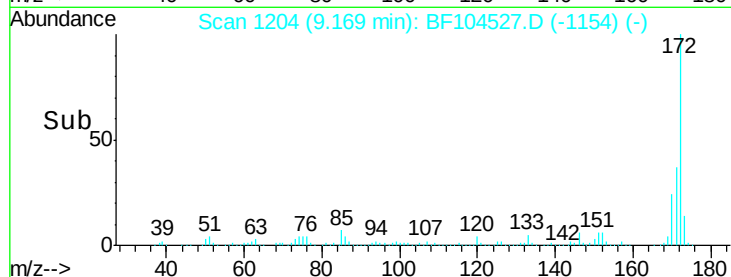
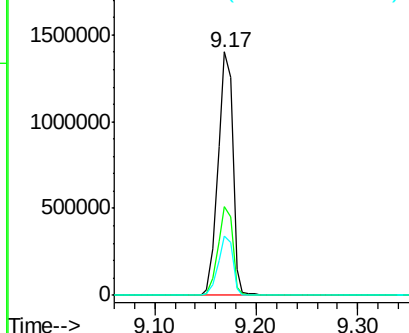
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.4	19.6	29.4

Manual Integrations
APPROVED

Sohil
4/17/2018 10:08:41 AM

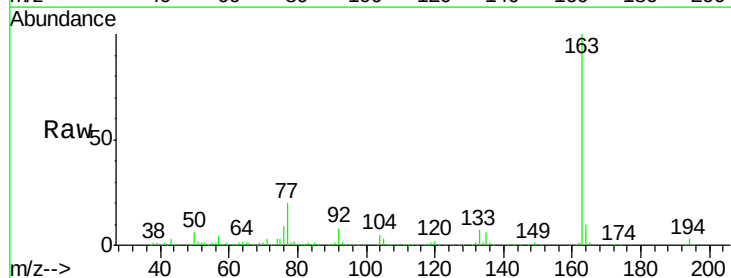


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

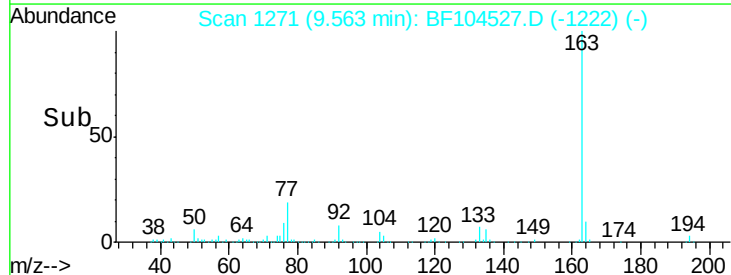
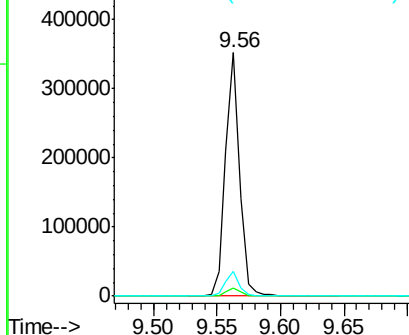


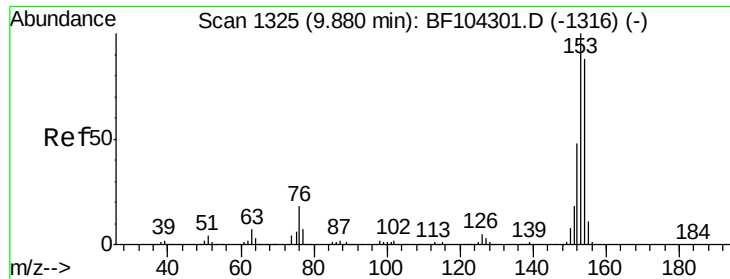
#49
Dimethylphthalate
Concen: 11.352 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.0	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.107 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF104527.D

Acq: 16 Apr 2018 12:06

Instrument :

BNA_F

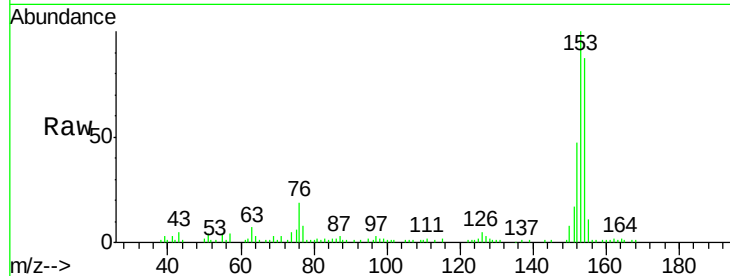
ClientSampleId :

BU-01-041218

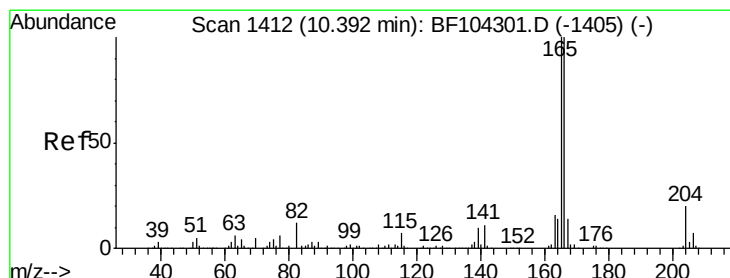
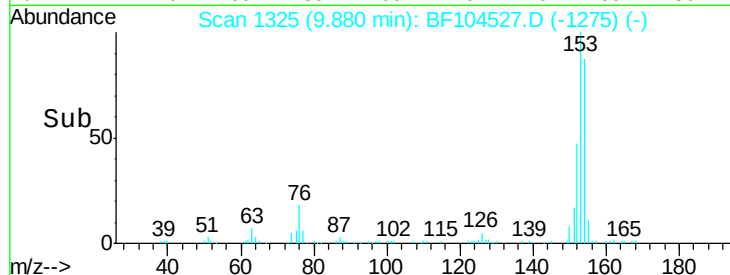
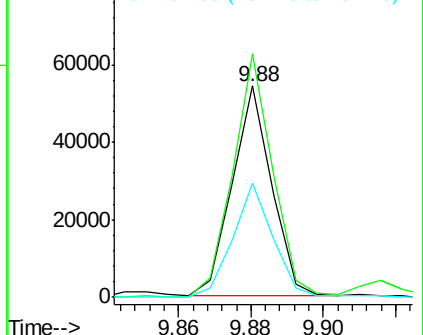
Tot Ion:	154	Resp:	40958
Ion	Ratio	Lower	Upper
154	100		
153	115.4	91.2	136.8
152	54.4	43.8	65.8

Manual Integrations
APPROVED

Sohil
4/17/2018 10:08:41 AM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.981 ng

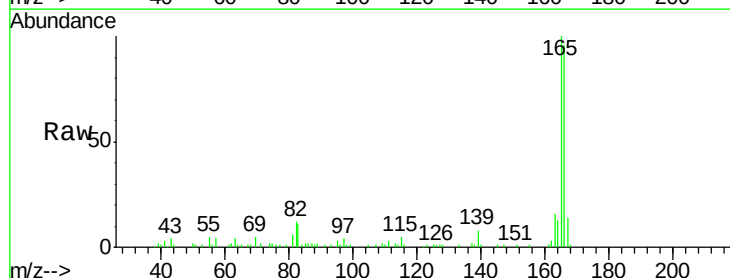
RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

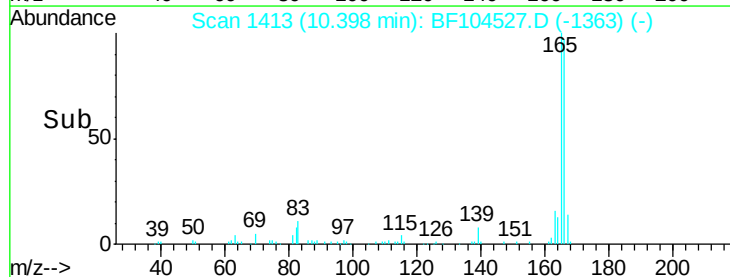
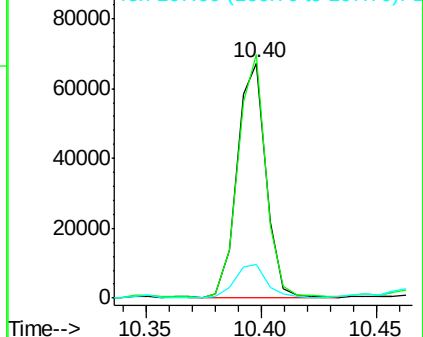
Lab File: BF104527.D

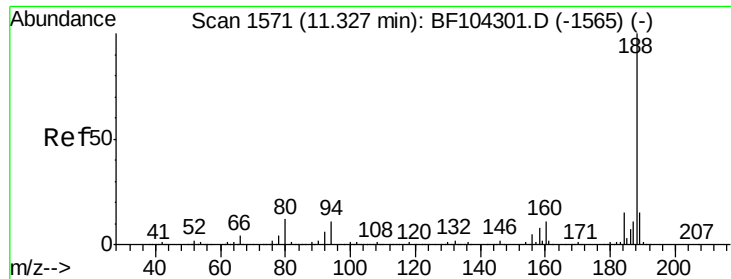
Acq: 16 Apr 2018 12:06

Tgt Ion:	166	Resp:	58783
Ion	Ratio	Lower	Upper
166	100		
165	103.7	79.8	119.8
167	14.6	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





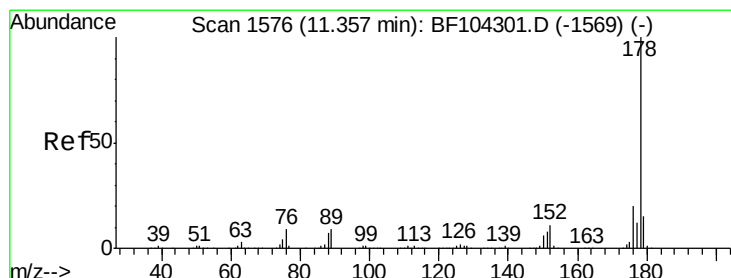
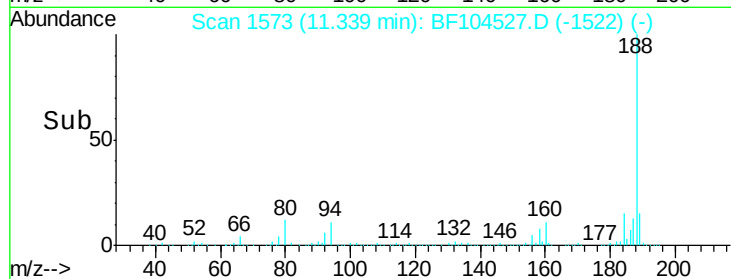
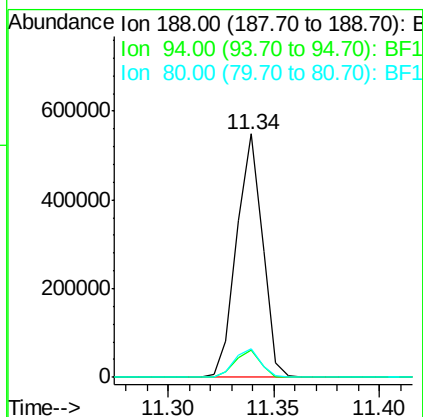
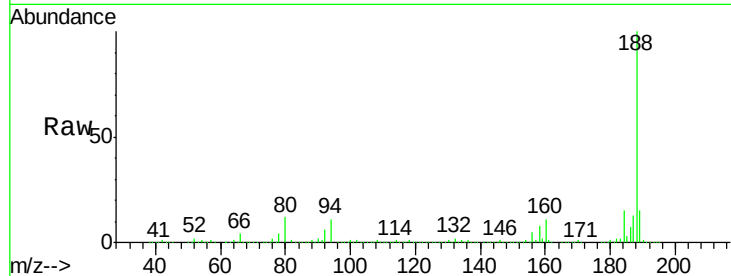
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Instrument :
BNA_F
ClientSampleId :
BU-01-041218

Tot Ion	Ratio	Resp	Lower	Upper
188	100	463405		
94	11.2		8.5	12.7
80	11.8		9.2	13.8

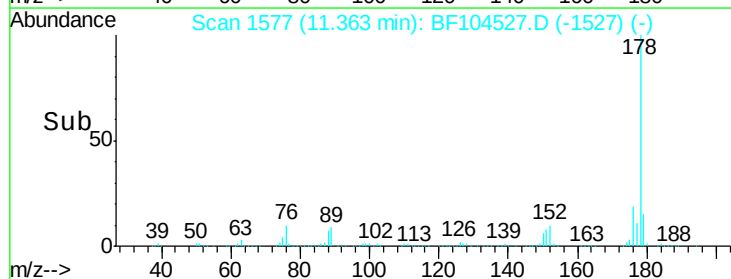
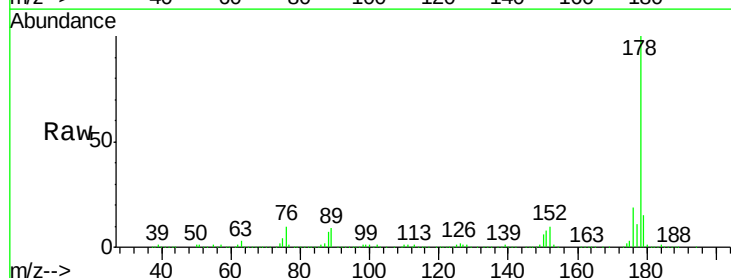
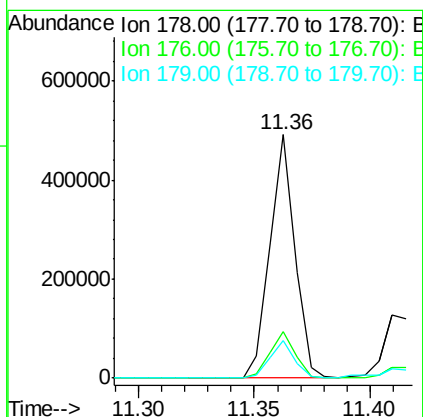
Manual Integrations
APPROVED

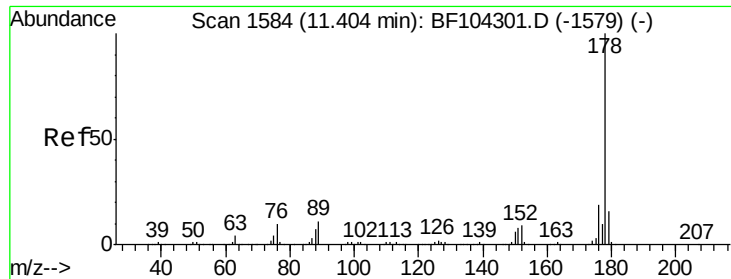
Sohil
4/17/2018 10:08:41 AM



#70
Phenanthrene
Concen: 14.385 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	371224		
176	19.2		15.8	23.8
179	15.4		13.0	19.6





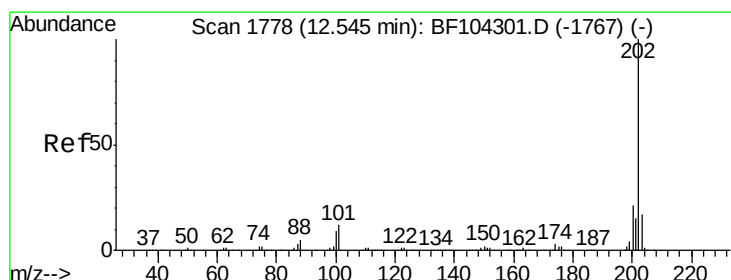
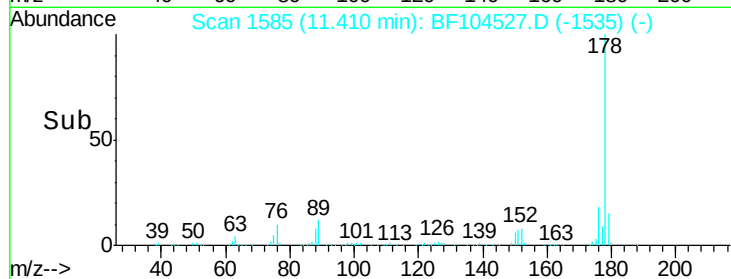
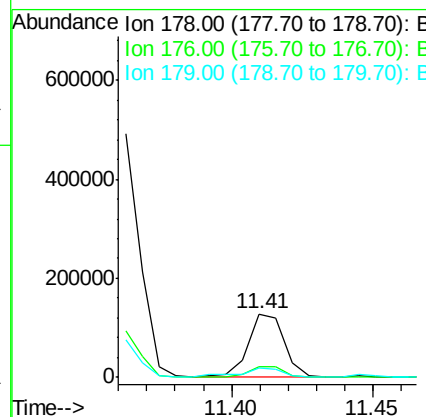
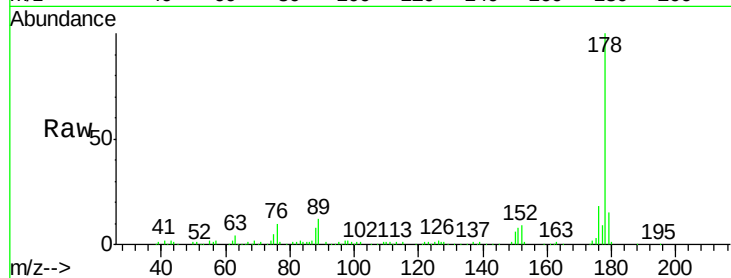
#71
 Anthracene
 Concen: 4.248 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104527.D
 Acq: 16 Apr 2018 12:06

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-041218

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.3	12.6	19.0

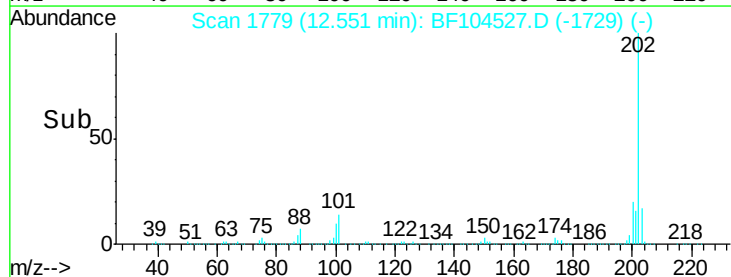
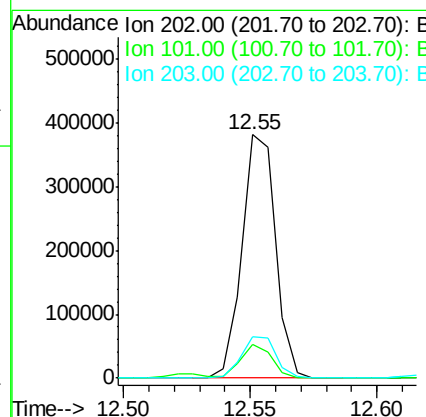
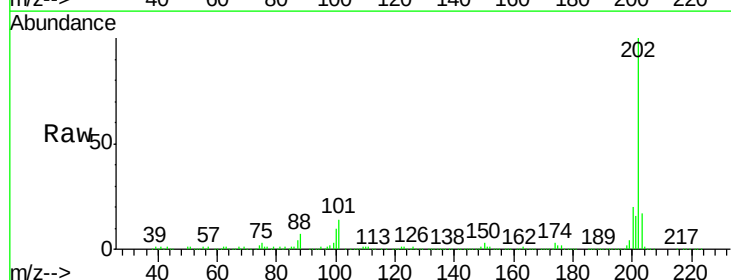
Manual Integrations
 APPROVED

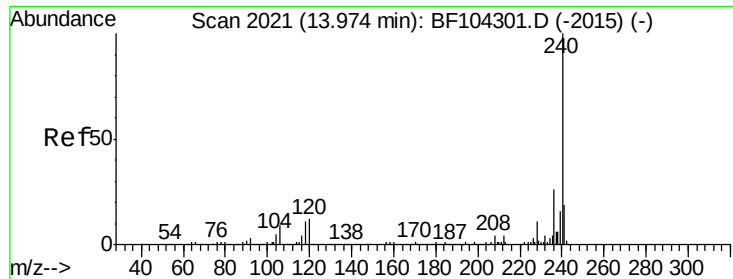
Sohil
 4/17/2018 10:08:41 AM



#74
 Fluoranthene
 Concen: 13.013 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF104527.D
 Acq: 16 Apr 2018 12:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104527.D

Acq: 16 Apr 2018 12:06

Instrument :

BNA_F

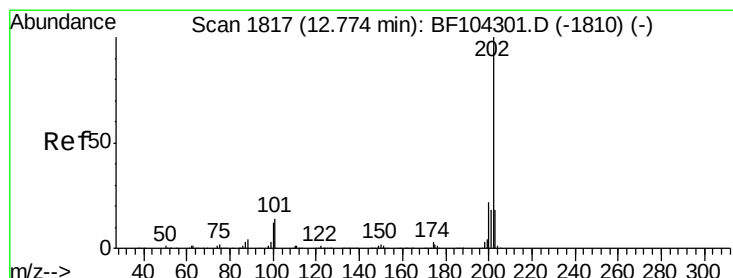
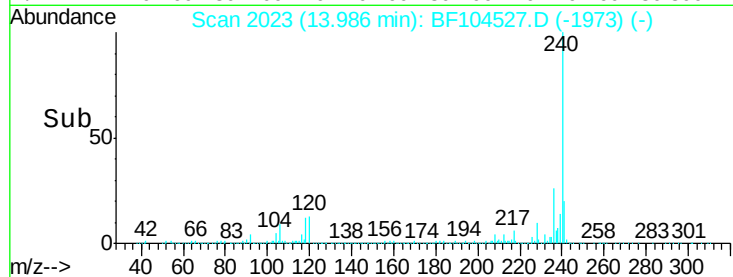
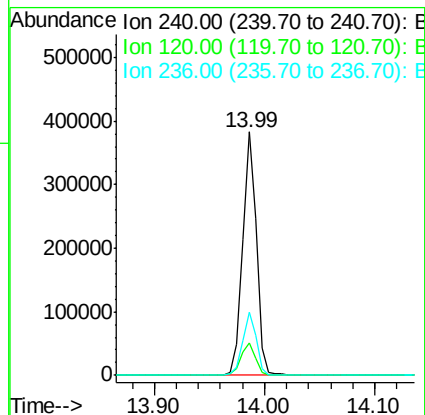
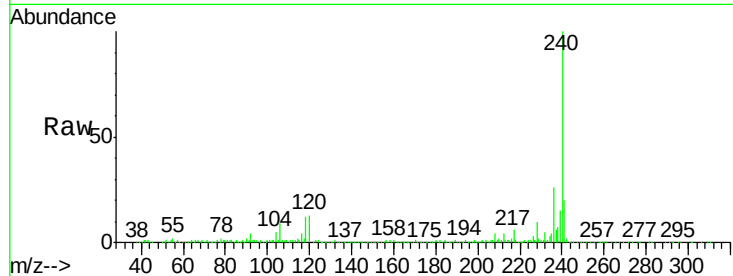
ClientSampleId :

BU-01-041218

Tot Ion:	240	Resp:	338754
Ion Ratio	Lower	Upper	
240	100		
120	13.4	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
APPROVED

Sohil
4/17/2018 10:08:41 AM



#77

Pyrene

Concen: 11.489 ng

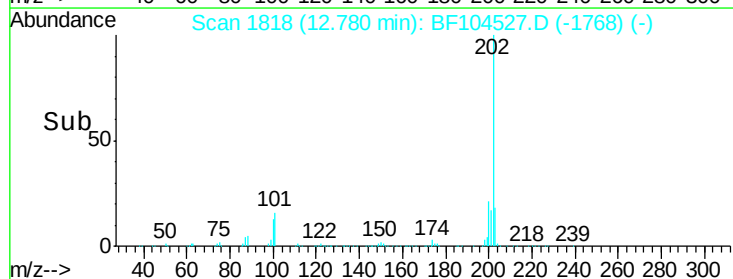
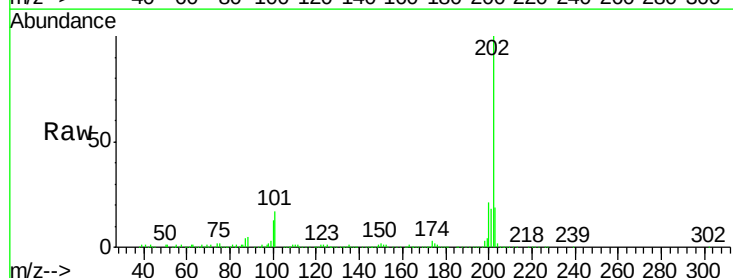
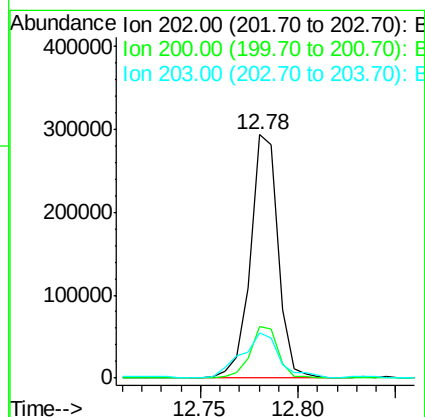
RT: 12.78 min Scan# 1818

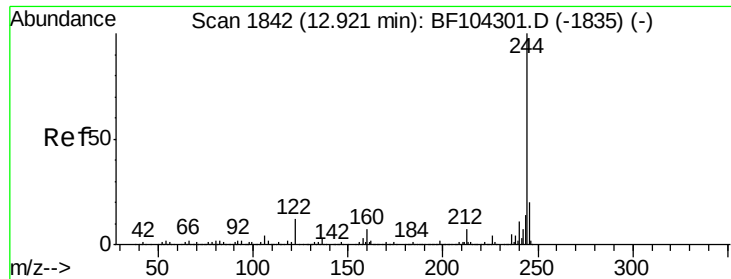
Delta R.T. -0.01 min

Lab File: BF104527.D

Acq: 16 Apr 2018 12:06

Tgt Ion:	202	Resp:	288487
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.7	14.3	21.5





#78

Terphenyl-d14

Concen: 69.134 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF104527.D

Acq: 16 Apr 2018 12:06

Instrument :

BNA_F

ClientSampled :

BU-01-041218

Tot Ion:244 Resp: 1027242

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

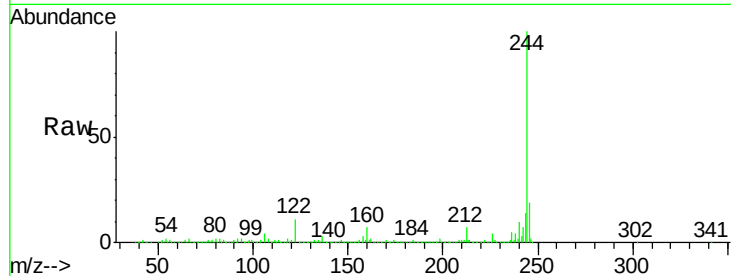
122 11.1 11.0 16.4

Manual Integrations

APPROVED

Sohil

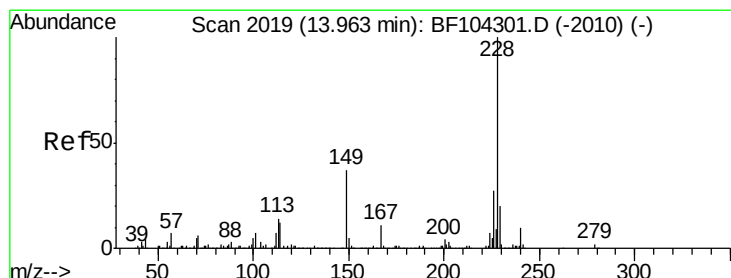
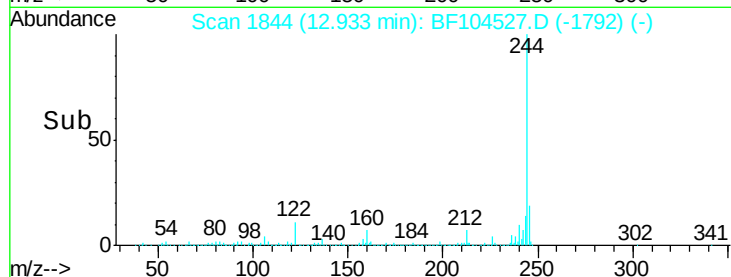
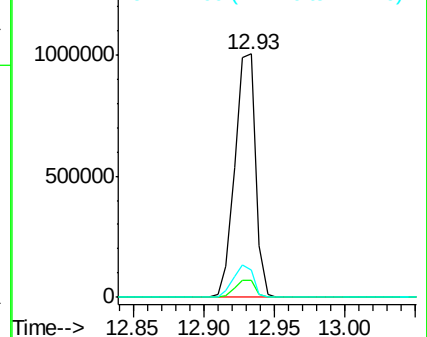
4/17/2018 10:08:41 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.514 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104527.D

Acq: 16 Apr 2018 12:06

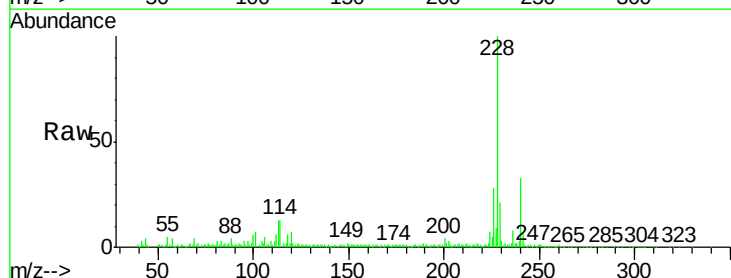
Tgt Ion:228 Resp: 152059

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

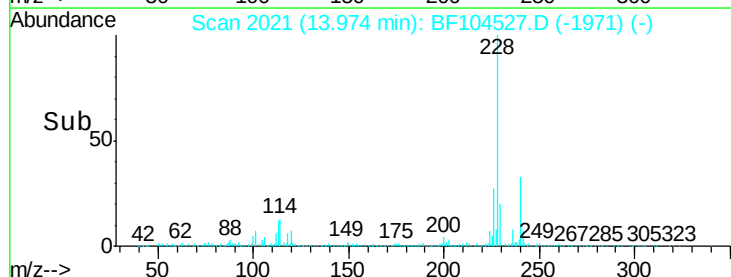
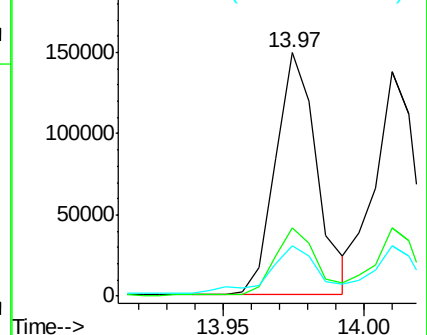
229 20.7 15.8 23.6

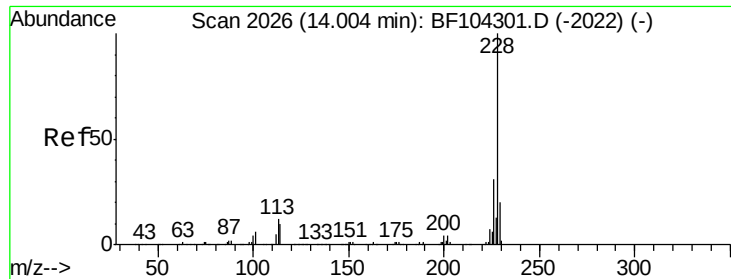


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





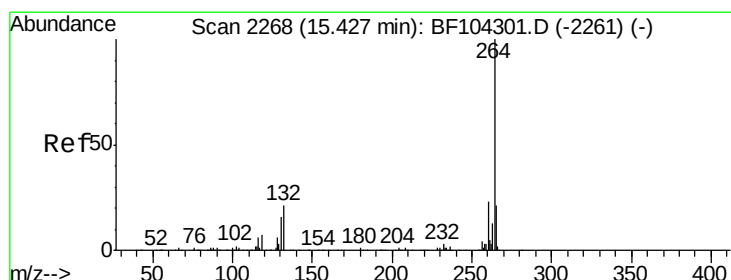
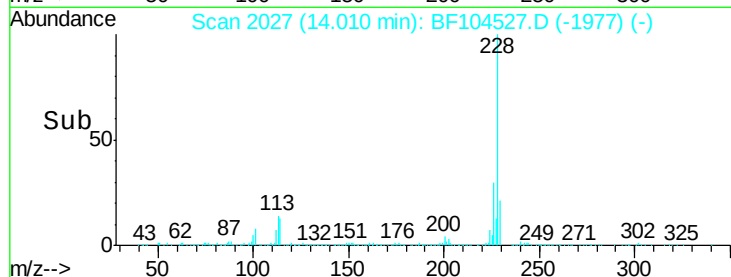
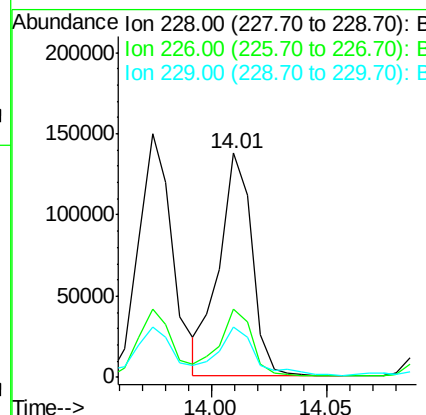
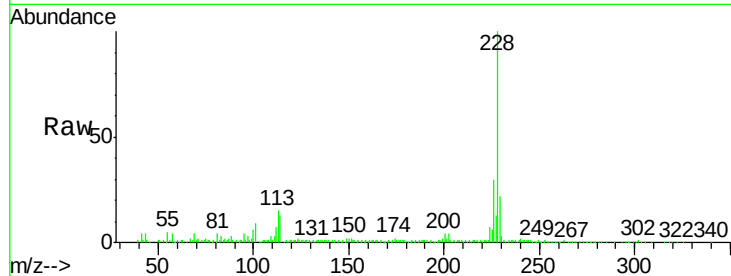
#82
Chrysene
Concen: 6.550 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Instrument :
BNA_F
ClientSampleId :
BU-01-041218

Tot Ion:	228	Resp:	136152
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	22.3	16.2	24.4

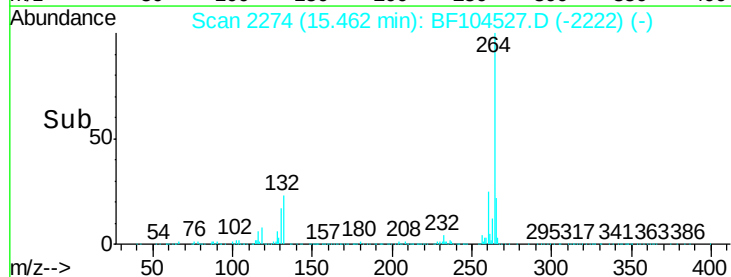
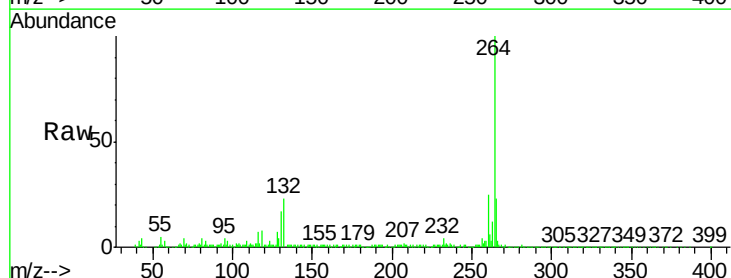
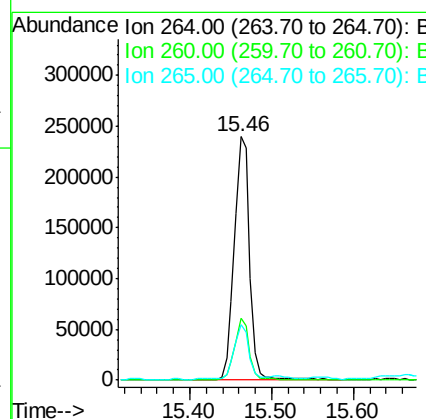
Manual Integrations
APPROVED

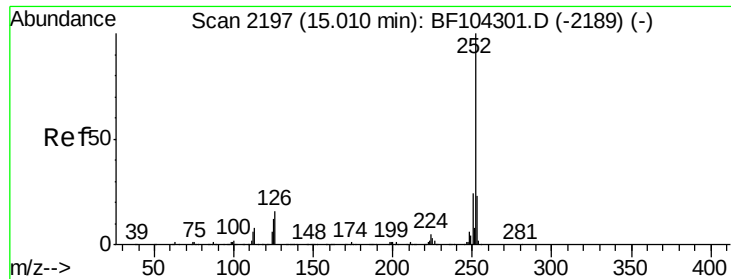
Sohil
4/17/2018 10:08:41 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Tgt Ion:	264	Resp:	310873
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.2	28.8
265	22.7	17.5	26.3





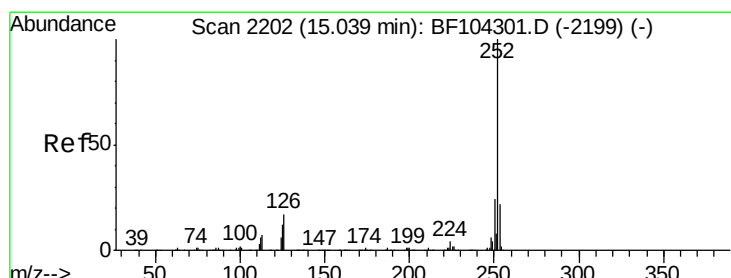
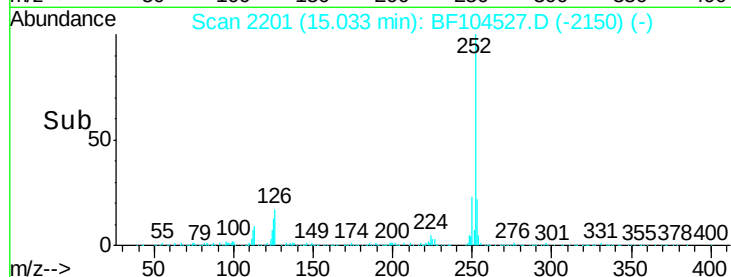
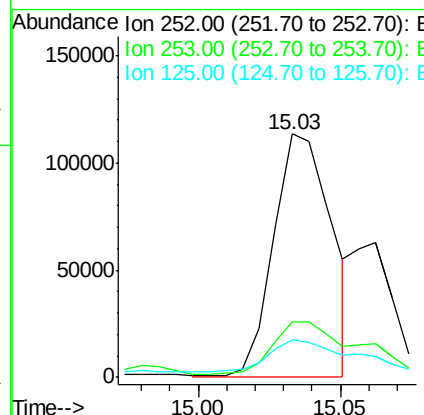
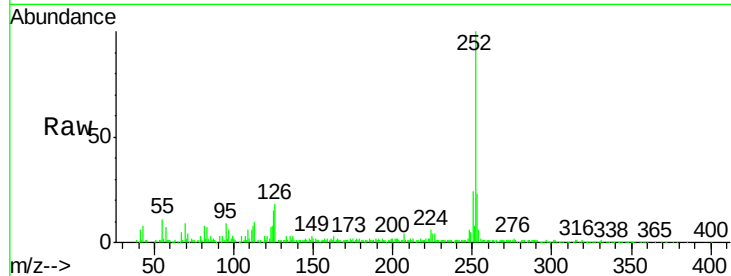
#87
Benzo(b)fluoranthene
Concen: 8.267 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Instrument :
BNA_F
ClientSampleId :
BU-01-041218

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	15.5	9.0	13.6

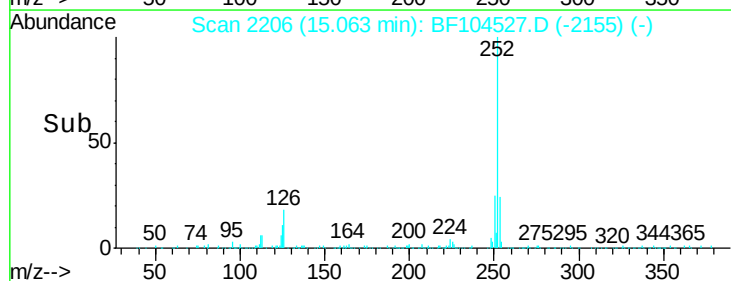
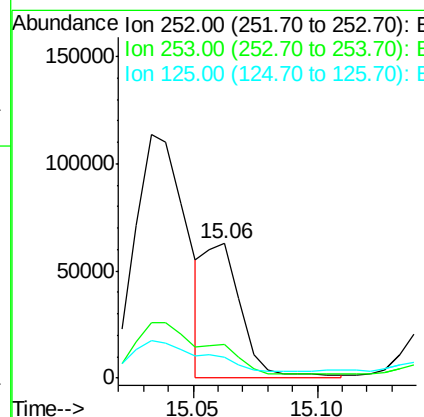
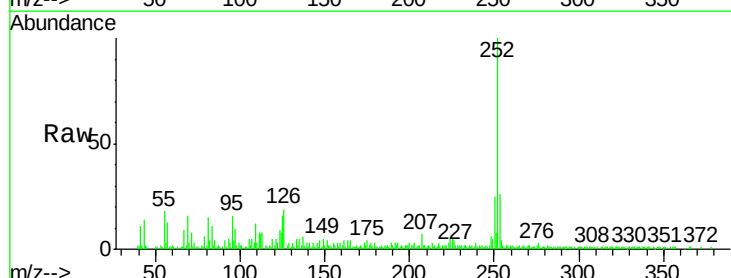
Manual Integrations
APPROVED

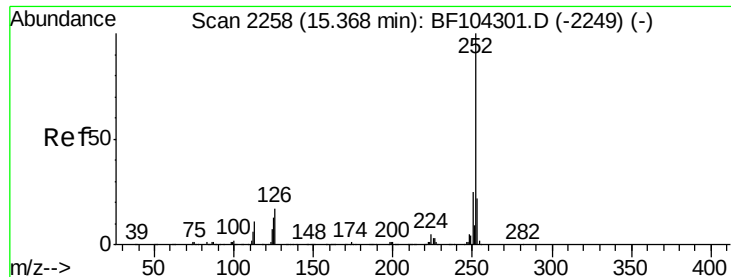
Sohil
4/17/2018 10:08:41 AM



#88
Benzo(k)fluoranthene
Concen: 3.485 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	15.7	10.2	15.2





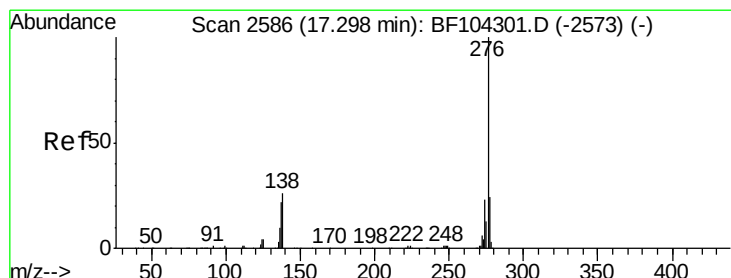
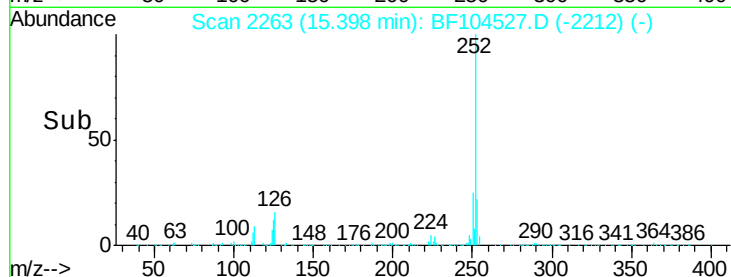
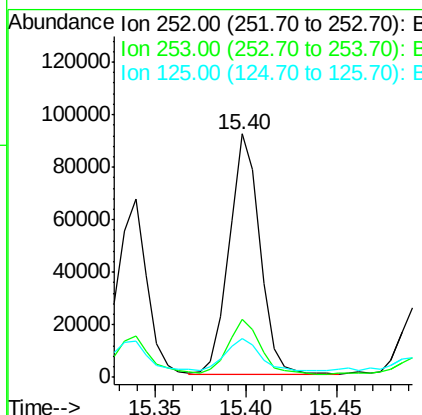
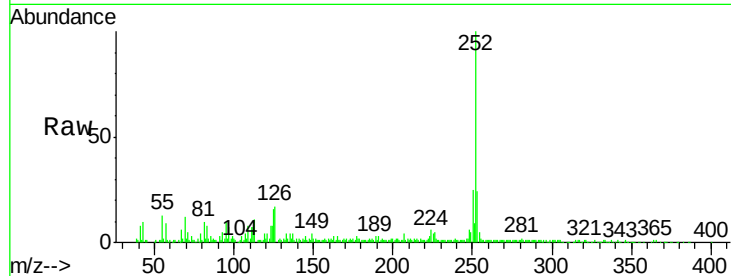
#89
Benzo(a)pyrene
Concen: 6.152 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Instrument :
BNA_F
ClientSampleId :
BU-01-041218

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	15.9	9.8	14.6

Manual Integrations
APPROVED

Sohil
4/17/2018 10:08:41 AM



#91
Benzo(g,h,i)perylene
Concen: 3.849 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.00 min
Lab File: BF104527.D
Acq: 16 Apr 2018 12:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	27.2	21.8	32.8

