

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104326.D
 Acq On : 7 Apr 2018 00:35
 Operator : JU/SJ
 Sample : J2248-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3059

Manual Integrations
 APPROVED

Sohil
 4/9/2018 11:18:45 AM

Quant Time: Apr 07 02:09:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	150829	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	604097	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	255194	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	364095	20.00	ng	0.00
75) Chrysene-d12	13.97	240	299065	20.00	ng	0.00
86) Perylene-d12	15.43	264	261980	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	941030	95.40	ng	0.01
7) Phenol-d6	6.43	99	1132709	93.46	ng	0.00
23) Nitrobenzene-d5	7.37	82	669254	72.34	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	214875	81.17	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	925182	57.27	ng	0.00
78) Terphenyl-d14	12.92	244	578790	44.12	ng	0.00
Target Compounds						
10) Phenol	6.44	94	30781	2.394	ng	Qvalue # 73
49) Dimethylphthalate	9.56	163	80020	3.976	ng	99
69) Pentachlorophenol	11.13	266	21511	7.979	ng	96
70) Phenanthrene	11.35	178	87305	4.306	ng	98
71) Anthracene	11.40	178	79327	3.849	ng	97
74) Fluoranthene	12.55	202	439879	20.764	ng	97
77) Pyrene	12.77	202	413383	18.648	ng	99
80) Benzo(a)anthracene	13.96	228	181155	10.139	ng	98
82) Chrysene	14.00	228	252347	13.751	ng	98
87) Benzo(b)fluoranthene	15.01	252	186241m	11.256	ng	
88) Benzo(k)fluoranthene	15.03	252	49269m	3.154	ng	
89) Benzo(a)pyrene	15.37	252	69017	4.662	ng	98

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

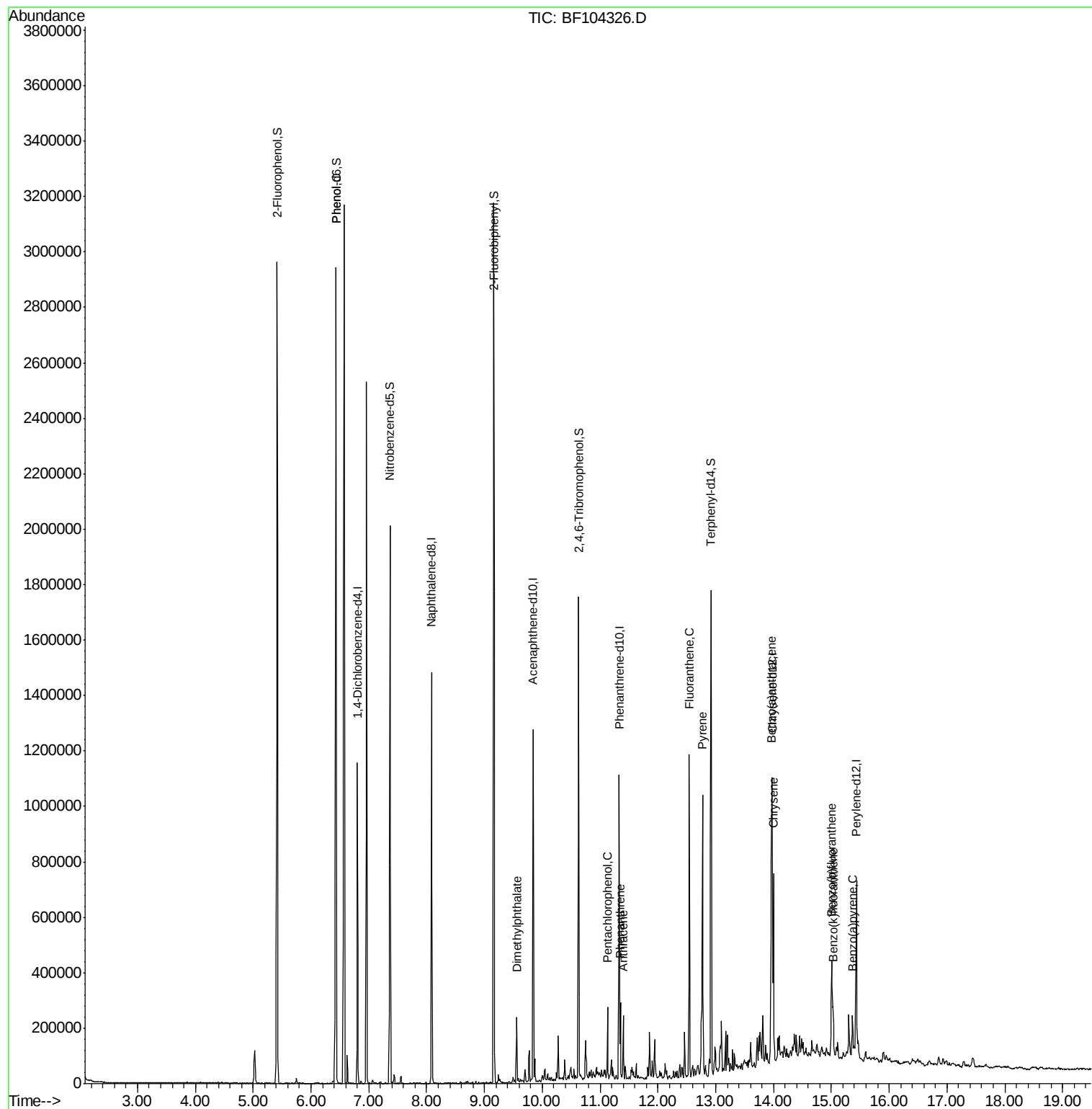
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
Data File : BF104326.D
Acq On : 7 Apr 2018 00:35
Operator : JU/SJ
Sample : J2248-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT3059

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:45 AM

Quant Time: Apr 07 02:09:27 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration





#1

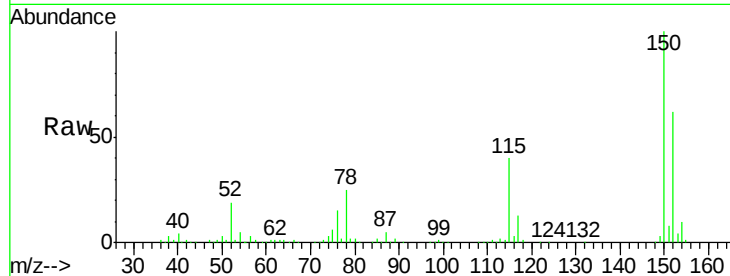
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :
RT3059

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	63.8	50.1	75.1

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:45 AM

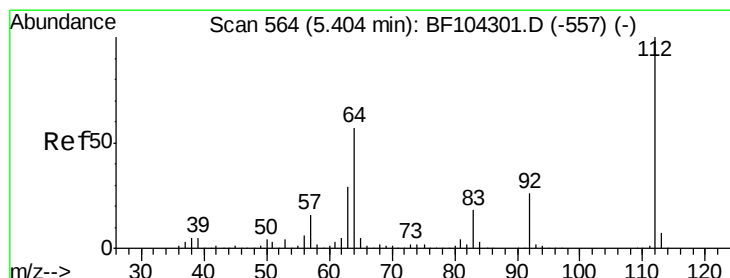
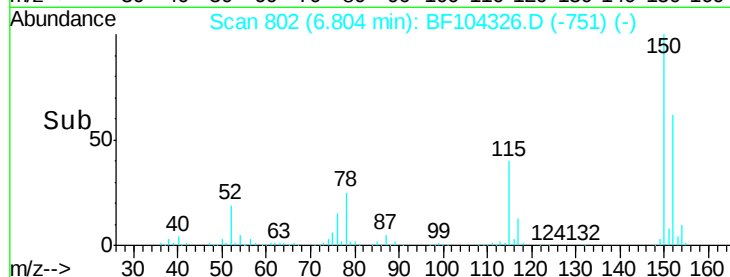
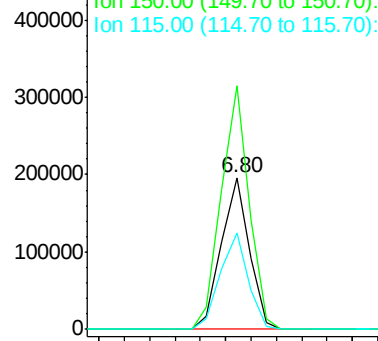


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

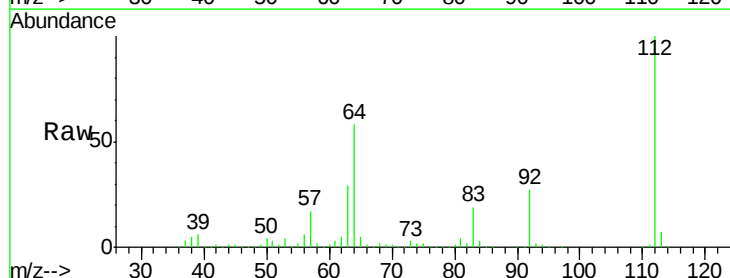
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.399 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	29.3	23.7	35.5

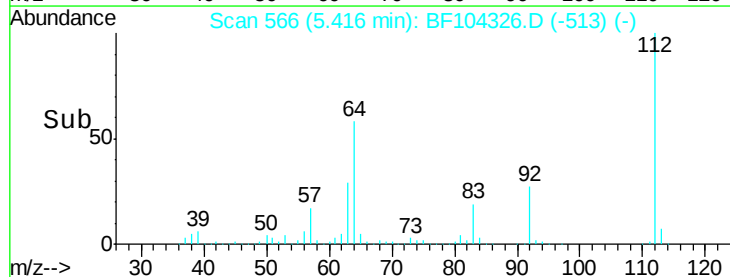
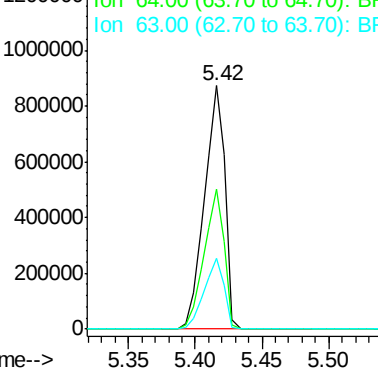


Abundance

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: 93.459 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

ClientSampled :

RT3059

Tot Ion: 99 Resp: 1132709

Ion Ratio Lower Upper

99 100

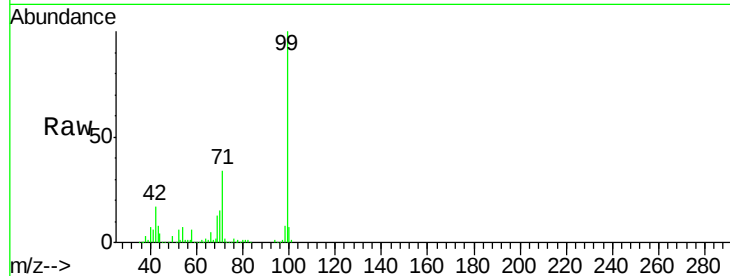
42 16.5 14.5 21.7

71 33.7 25.4 38.0

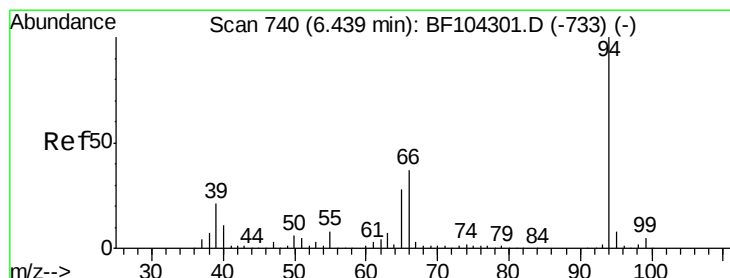
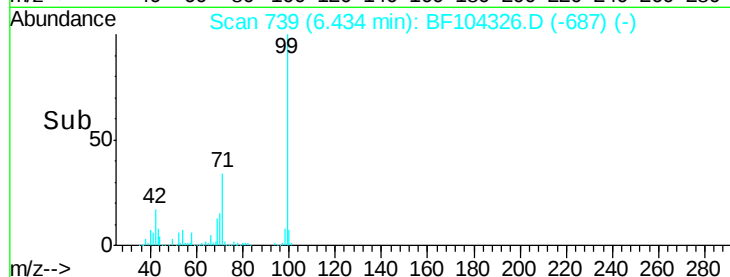
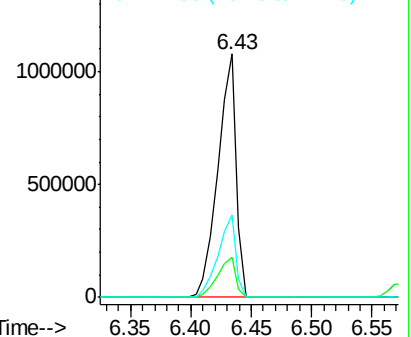
Manual Integrations
APPROVED

Sohil

4/9/2018 11:18:45 AM



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: 2.394 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

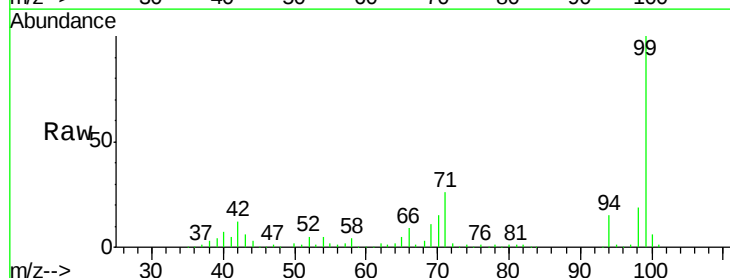
Tgt Ion: 94 Resp: 30781

Ion Ratio Lower Upper

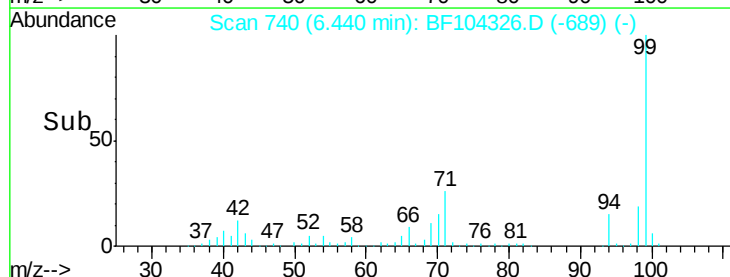
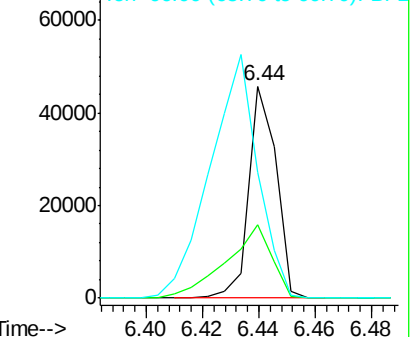
94 100

65 34.3 7.9 47.9

66 59.4 16.2 56.2#



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





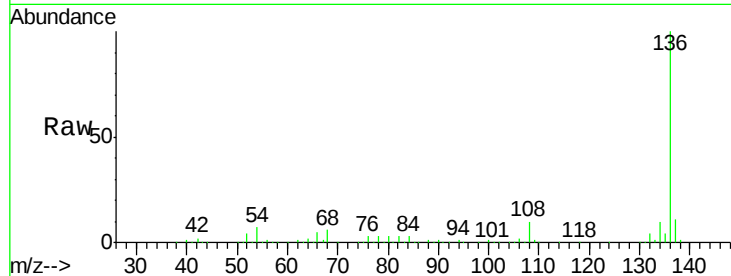
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampled :
RT3059

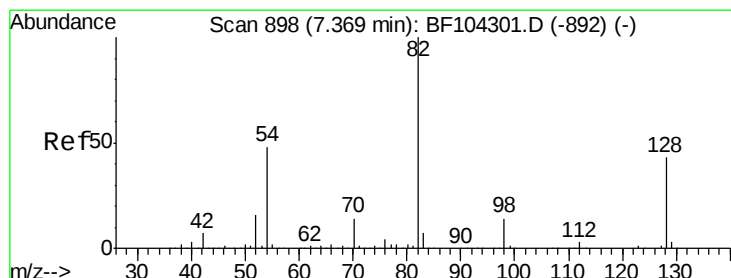
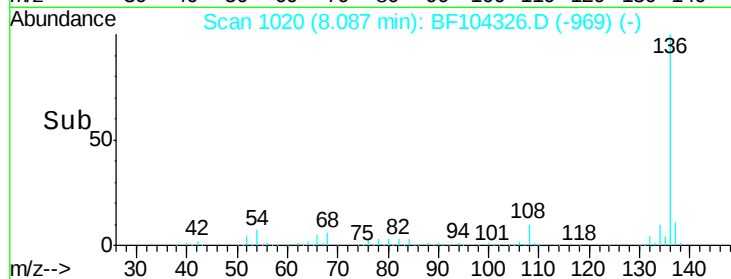
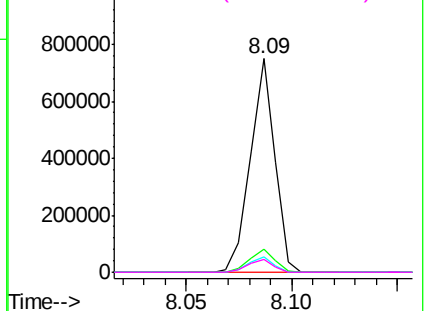
Tot Ion	Ratio	Resp	Lower	Upper
136	100	604097		
137	10.9		8.9	13.3
54	7.3		6.6	9.8
68	6.2		5.0	7.4

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:45 AM

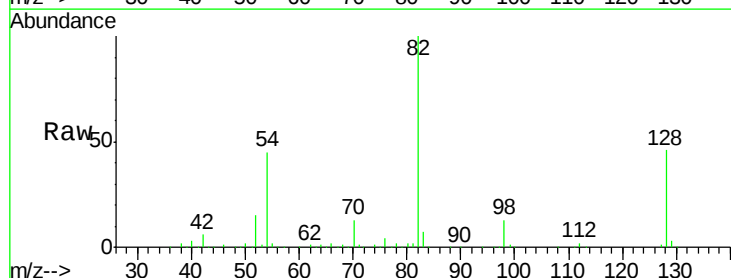


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

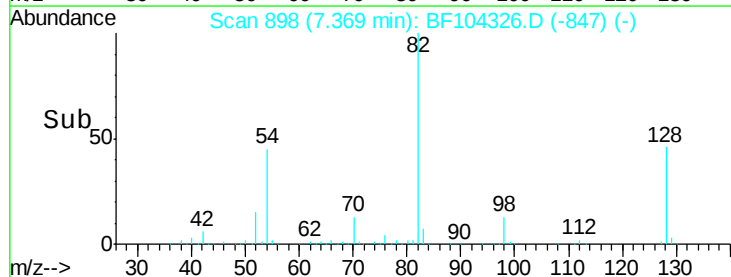
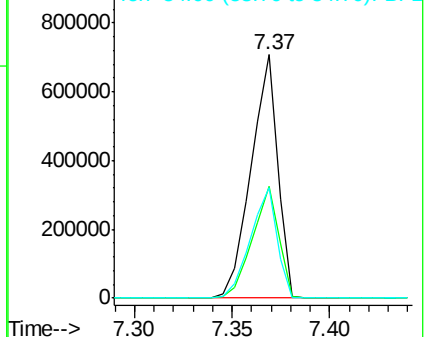


#23
Nitrobenzene-d5
Concen: 72.341 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	669254		
128	45.8		36.1	54.1
54	45.4		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





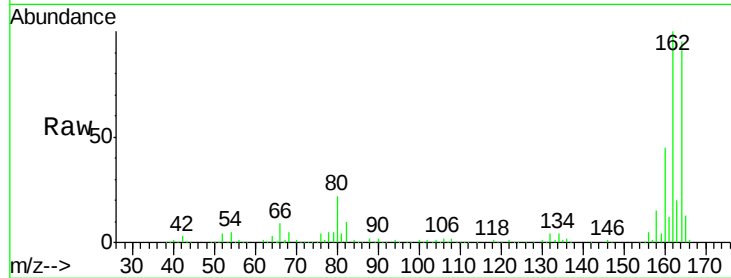
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104326.D
 Acq: 7 Apr 2018 00:35

Instrument :
 BNA_F
 ClientSampleId :
 RT3059

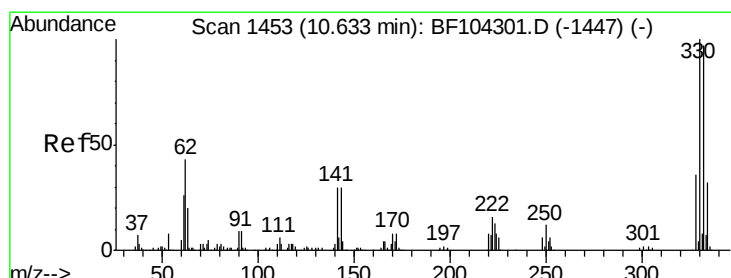
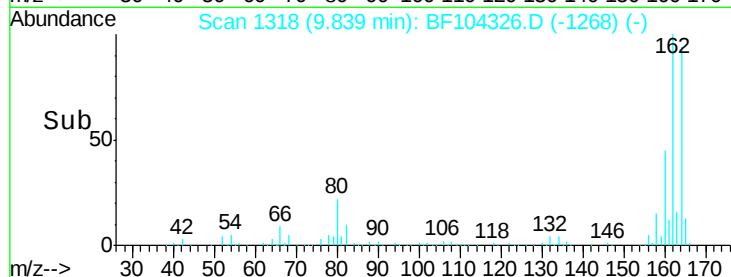
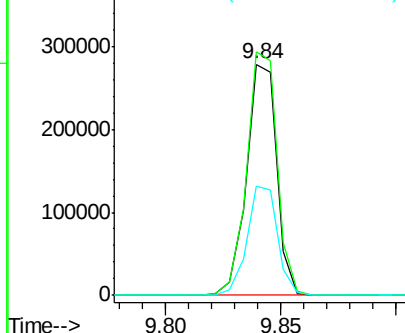
Tot Ion	Ratio	Resp	Lower	Upper
164	100	255194		
162	105.3	86.1	129.1	
160	47.2	38.3	57.5	

Manual Integrations
 APPROVED

Sohil
 4/9/2018 11:18:45 AM

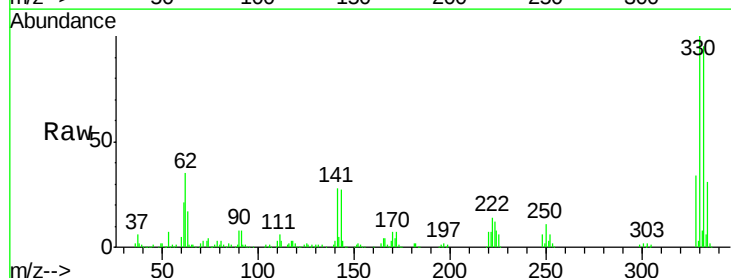


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

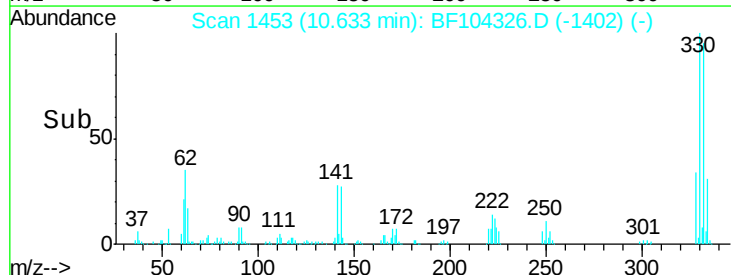
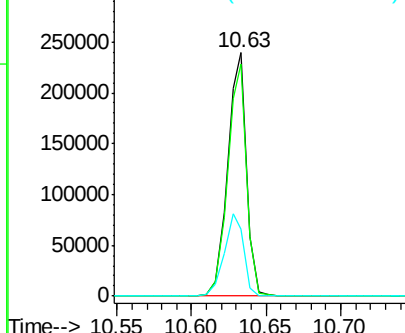


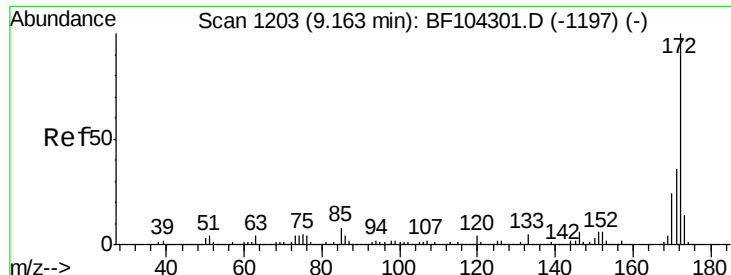
#41
 2,4,6-Tribromophenol
 Concen: 81.171 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104326.D
 Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	214875		
332	95.5	77.0	115.6	
141	35.0	29.9	44.9	



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





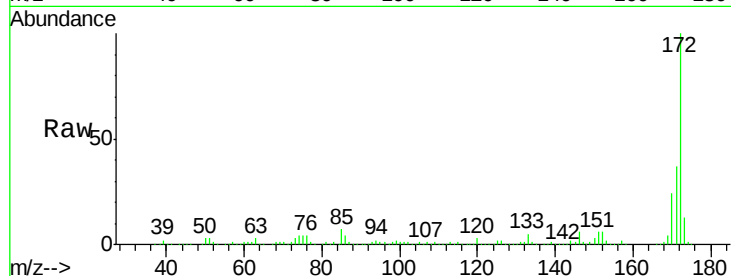
#44
2-Fluorobiphenyl
Concen: 57.272 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :
RT3059

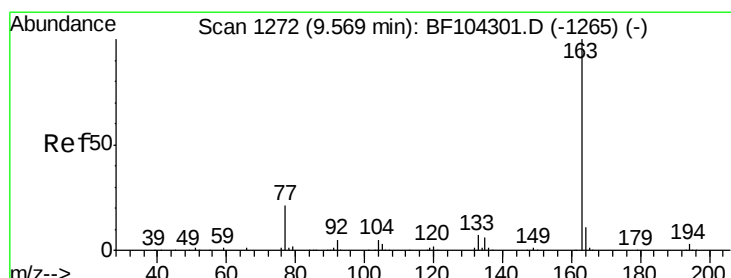
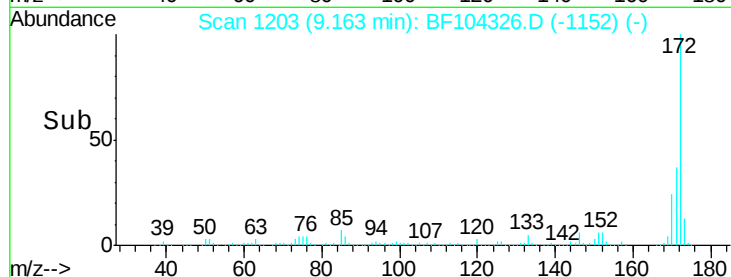
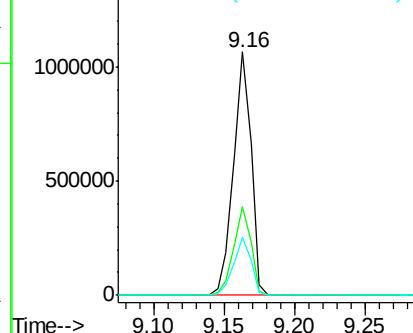
Tot Ion	Ratio	Resp	Lower	Upper
172	100	925182		
171	36.5		29.7	44.5
170	23.9		19.6	29.4

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:45 AM

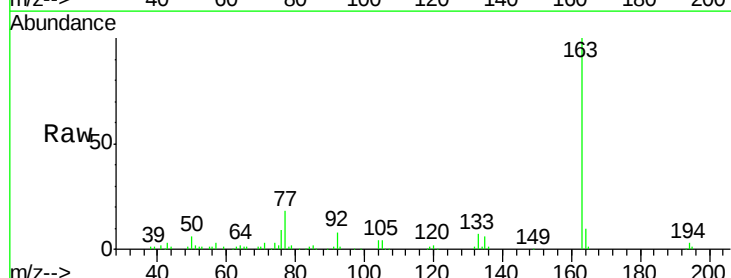


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

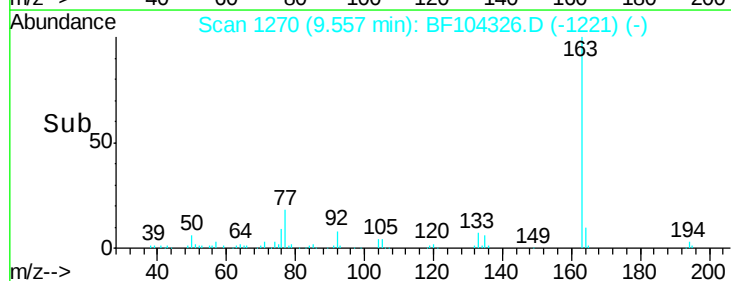
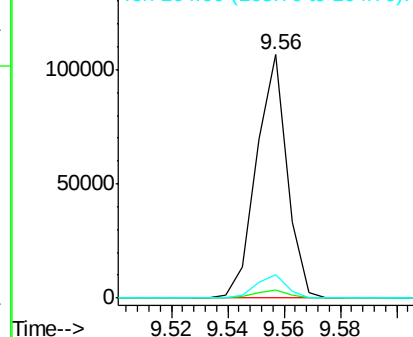


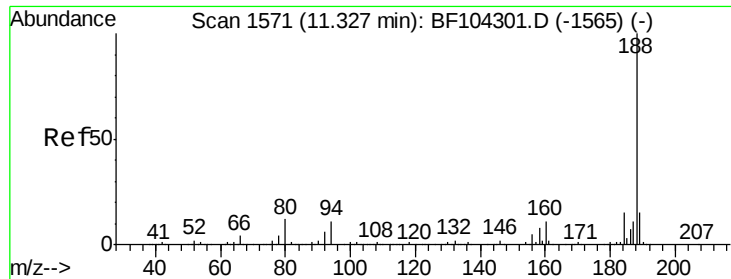
#49
Dimethylphthalate
Concen: 3.976 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	80020		
194	3.3		2.7	4.1
164	9.8		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





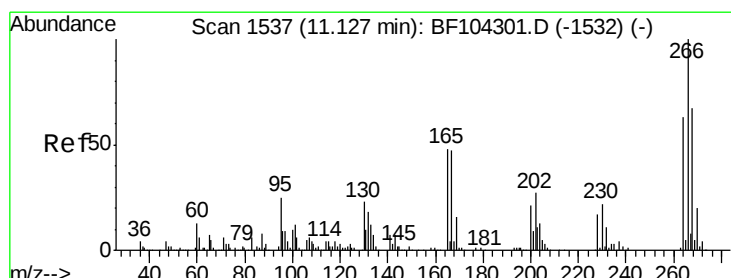
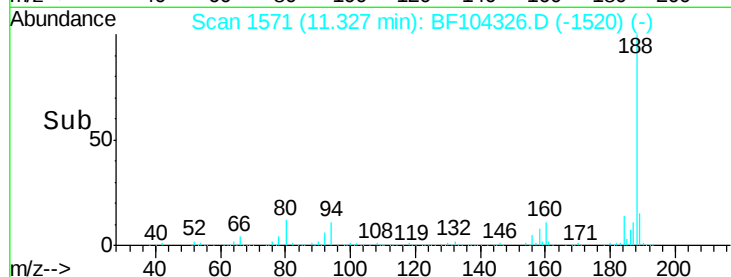
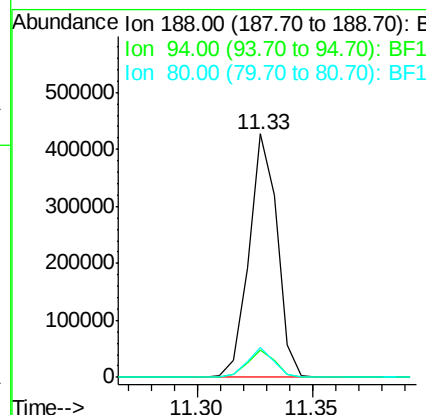
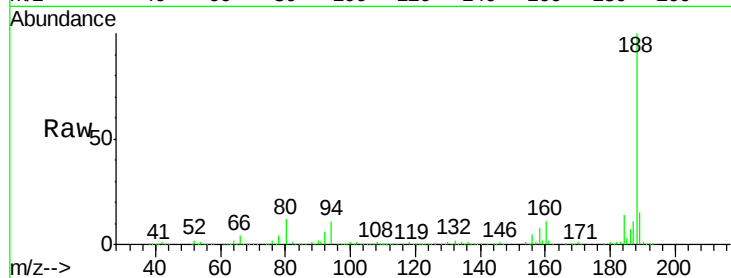
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampled :
RT3059

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.3	9.2	13.8

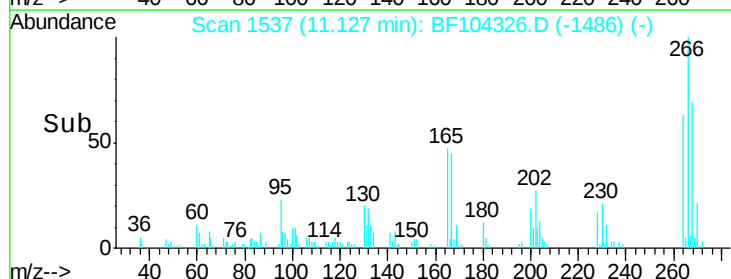
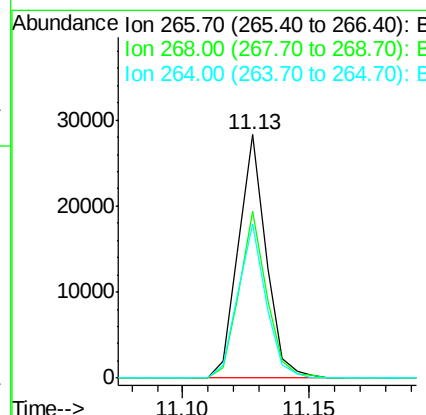
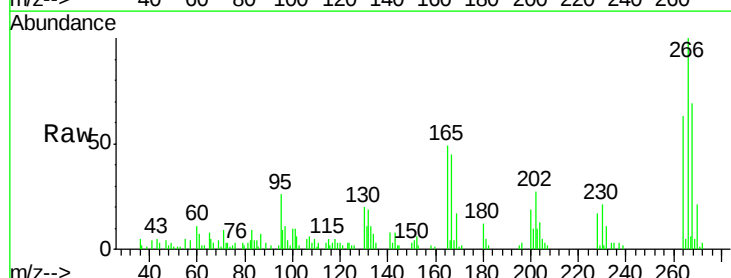
Manual Integrations
APPROVED

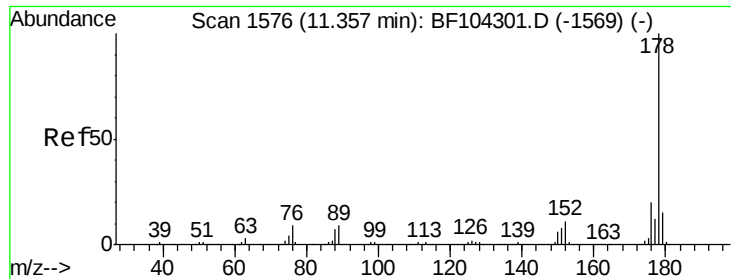
Sohil
4/9/2018 11:18:45 AM



#69
Pentachlorophenol
Concen: 7.979 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	68.5	51.1	76.7
264	63.4	49.5	74.3





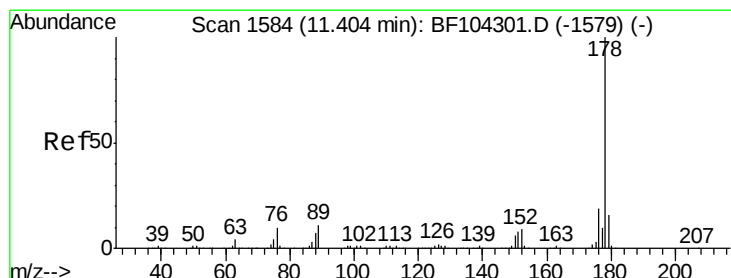
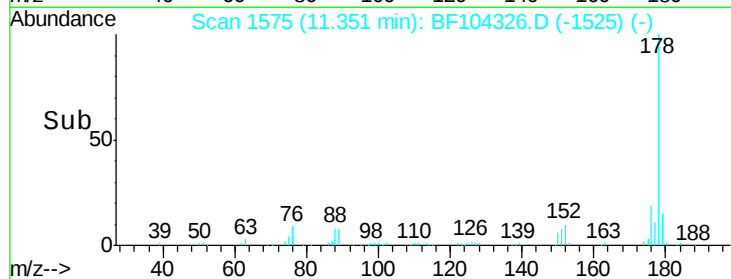
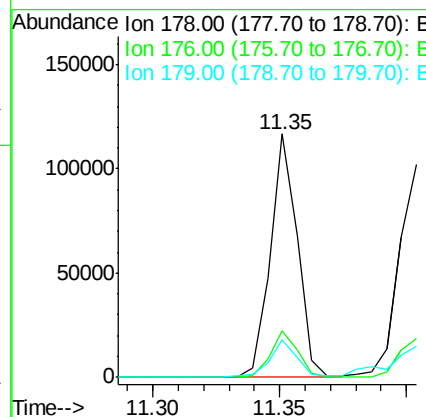
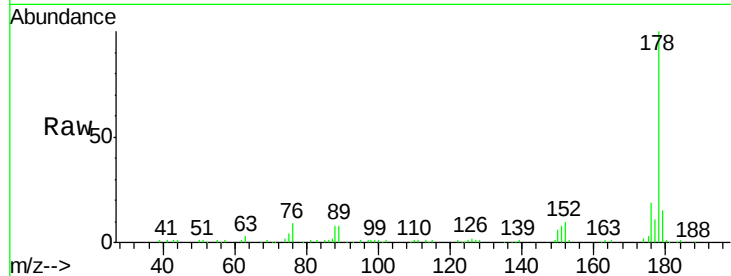
#70
Phenanthrene
Concen: 4.306 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :
RT3059

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.2	15.8	23.8	
179	15.3	13.0	19.6	

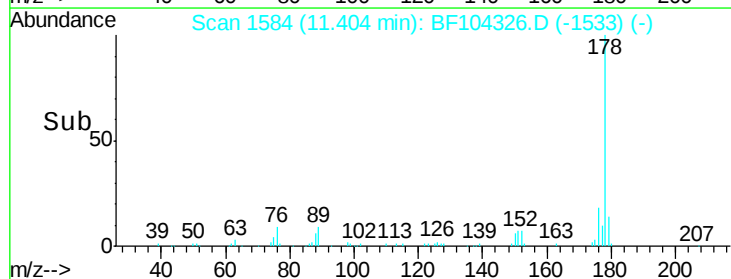
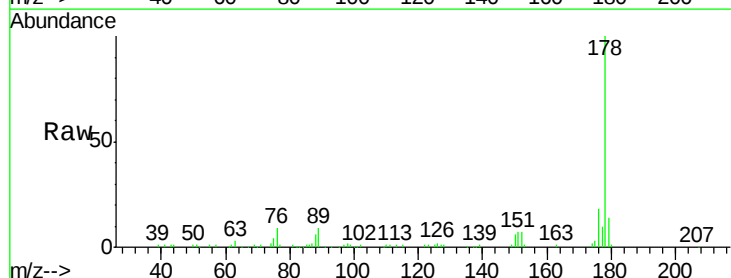
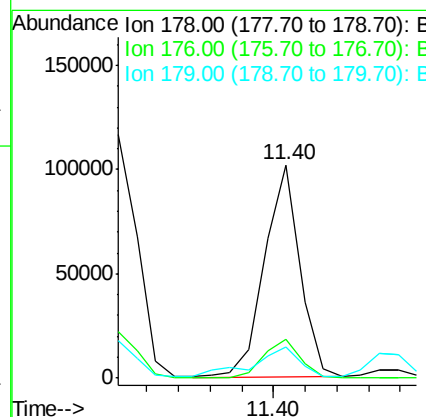
Manual Integrations
APPROVED

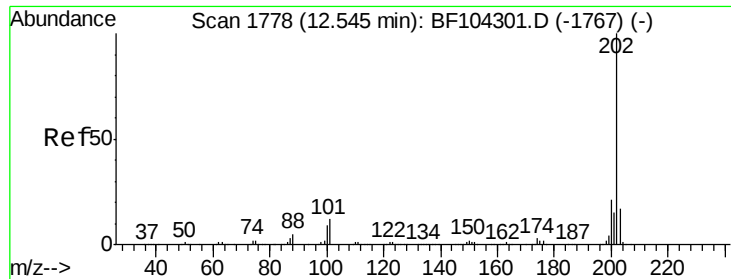
Sohil
4/9/2018 11:18:45 AM



#71
Anthracene
Concen: 3.849 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.0	15.4	23.2	
179	14.5	12.6	19.0	





#74

Fluoranthene

Concen: 20.764 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

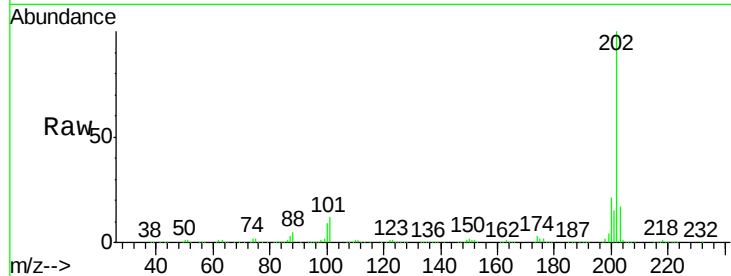
ClientSampleId :

RT3059

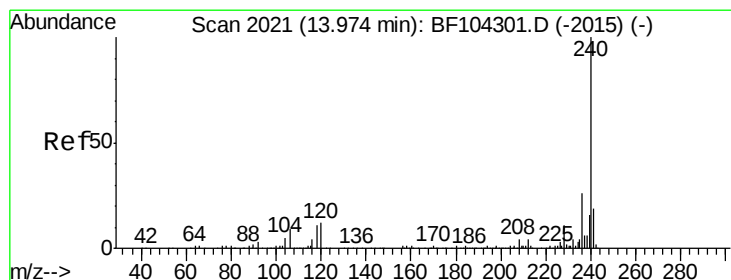
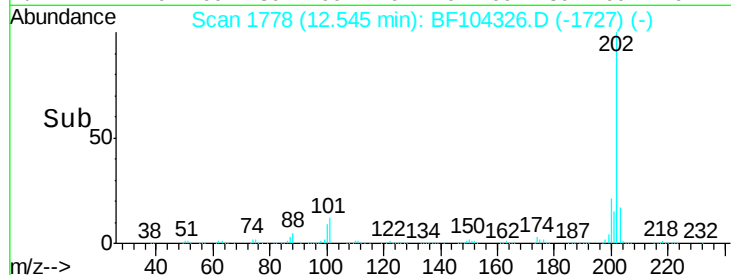
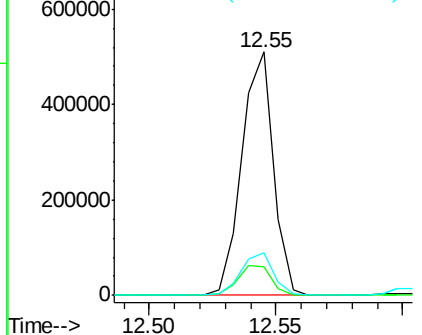
Tot Ion	Ratio	Resp	Lower	Upper
202	100	439879		
101	12.0	0.0	34.1	
203	17.3	0.0	38.1	

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:45 AM



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

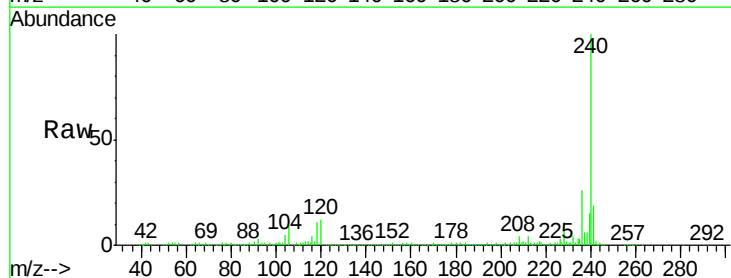
RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

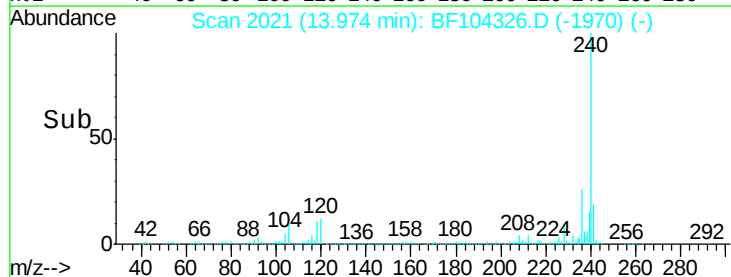
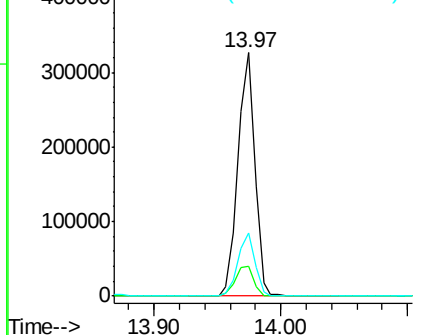
Lab File: BF104326.D

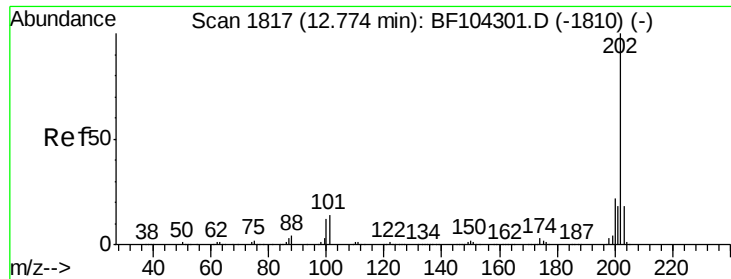
Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	299065		
120	12.3	9.5	14.3	
236	26.2	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

Pvrene

Concen: 18.648 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

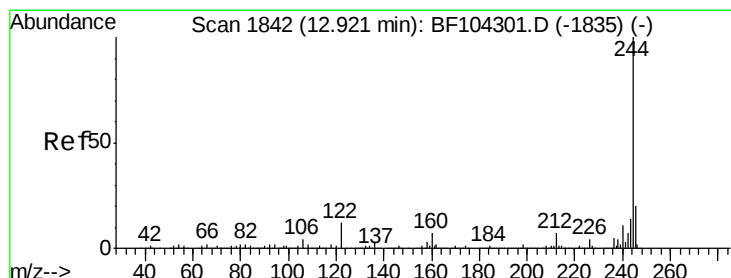
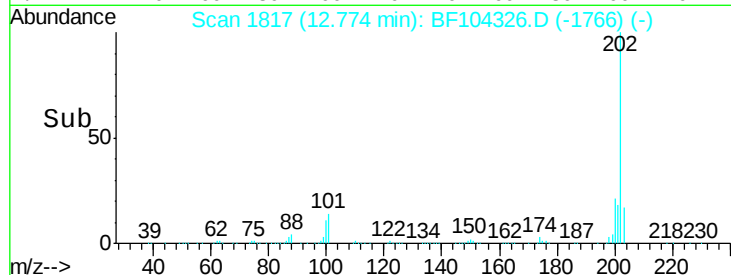
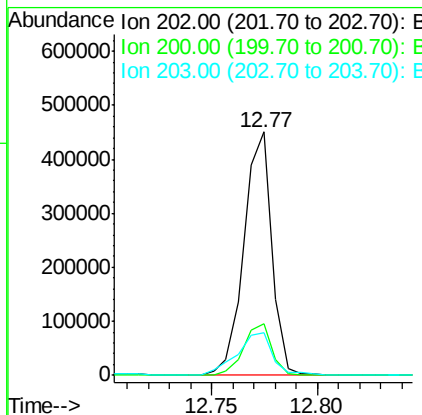
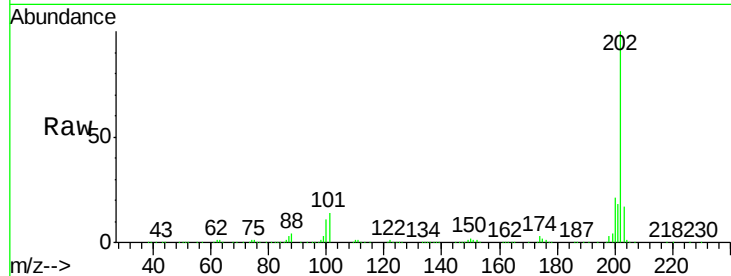
ClientSampleId :

RT3059

Tot Ion:	202	Resp:	413383
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:45 AM



#78

Terphenyl-d14

Concen: 44.122 ng

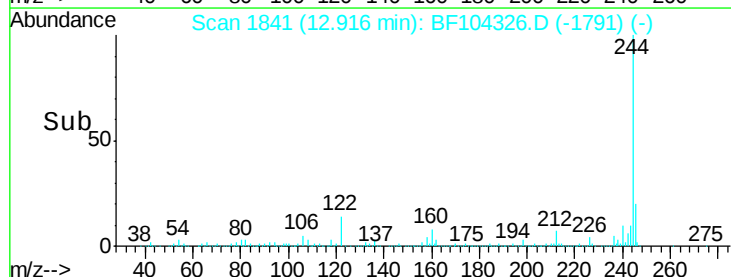
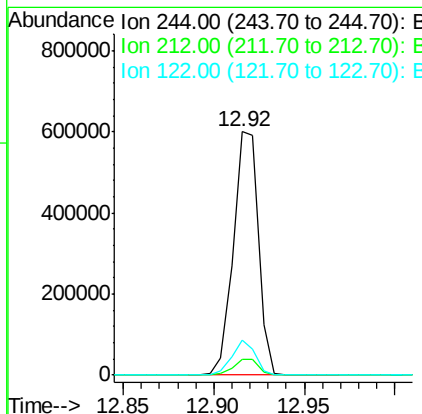
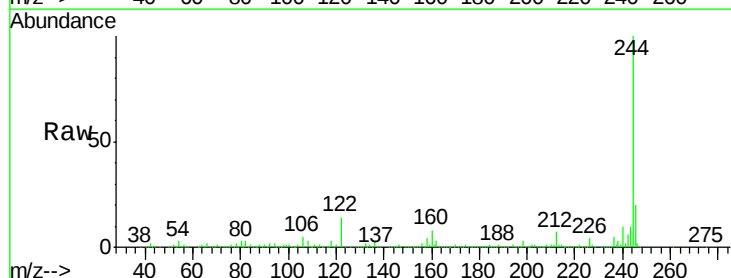
RT: 12.92 min Scan# 1841

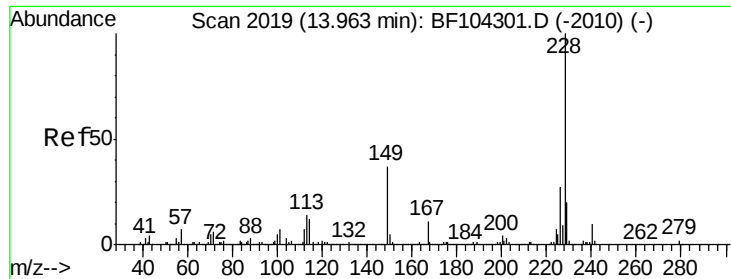
Delta R.T. -0.01 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Tgt Ion:	244	Resp:	578790
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	14.1	11.0	16.4





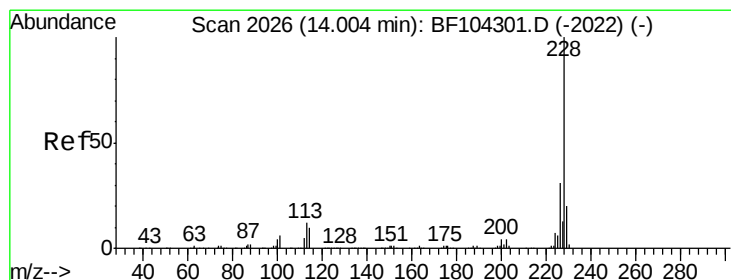
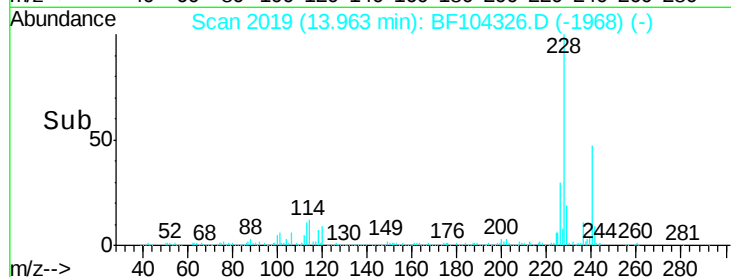
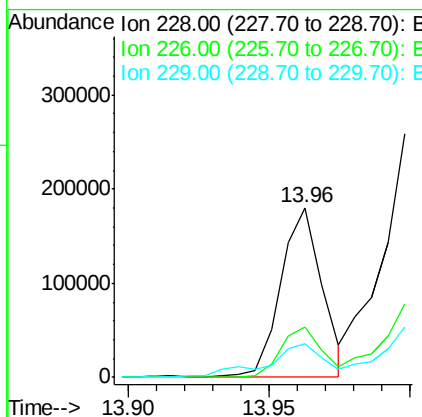
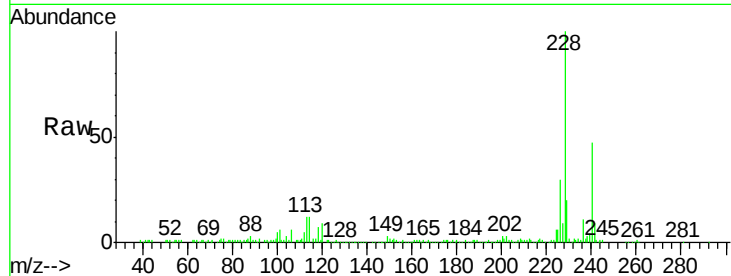
#80
Benzo(a)anthracene
Concen: 10.139 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :
RT3059

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.0	15.8	23.6

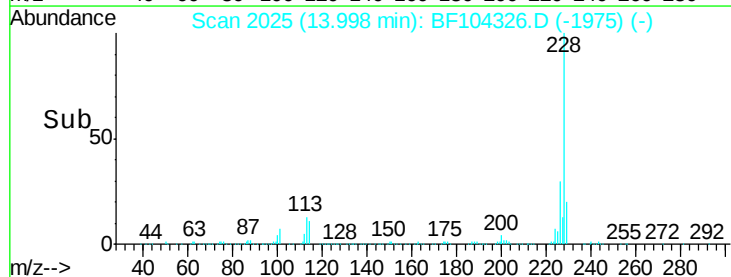
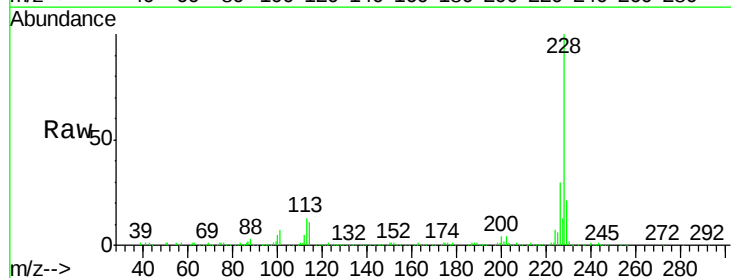
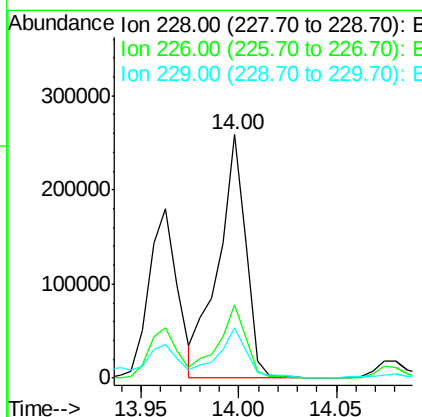
Manual Integrations
APPROVED

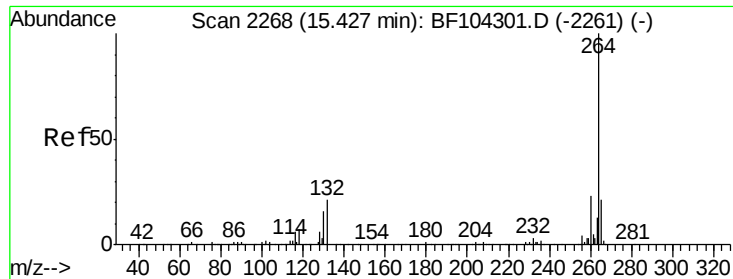
Sohil
4/9/2018 11:18:45 AM



#82
Chrysene
Concen: 13.751 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	20.9	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Instrument :

BNA_F

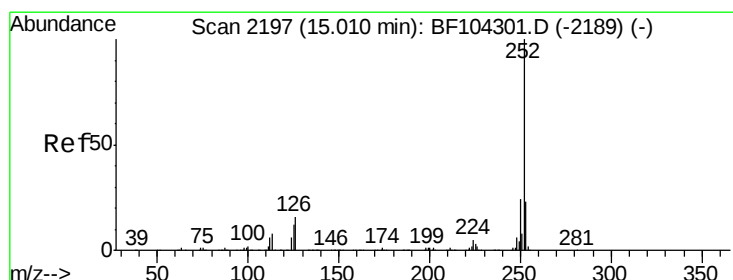
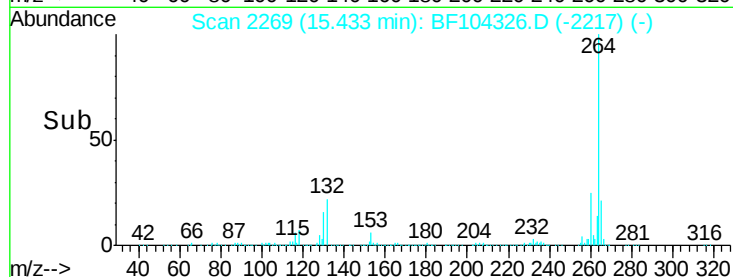
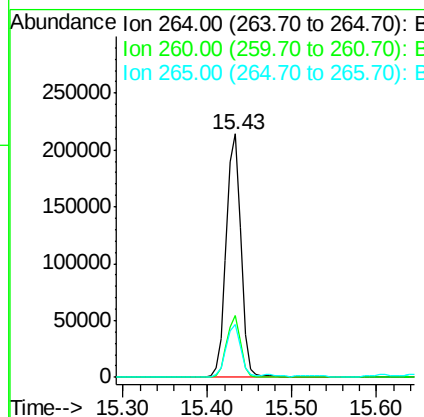
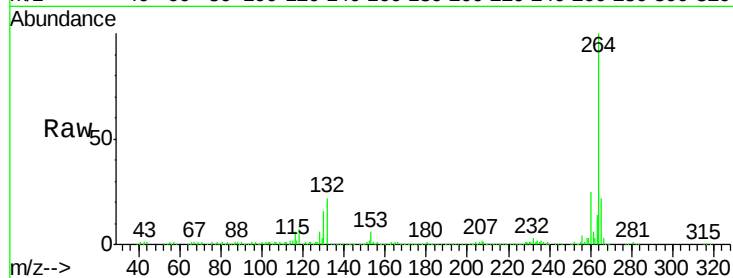
ClientSampleId :

RT3059

Tot Ion:	264	Resp:	261980
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.2	28.8
265	21.5	17.5	26.3

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:45 AM



#87

Benzo(b)fluoranthene

Concen: 11.256 ng m

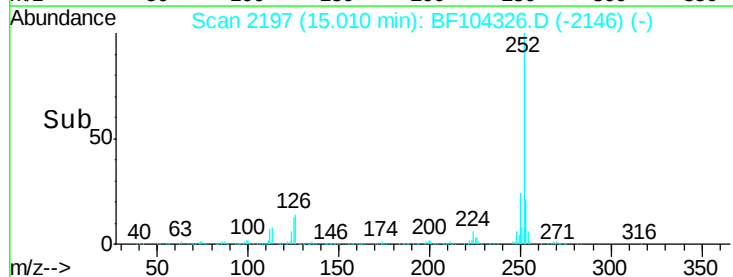
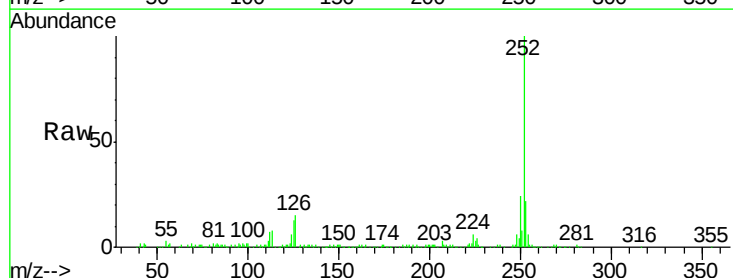
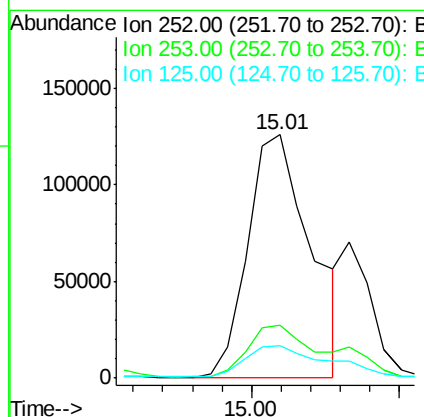
RT: 15.01 min Scan# 2197

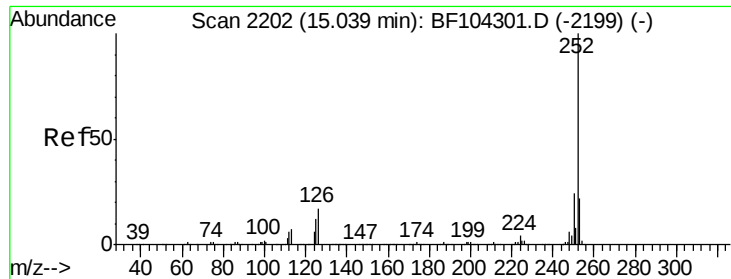
Delta R.T. 0.00 min

Lab File: BF104326.D

Acq: 7 Apr 2018 00:35

Tgt Ion:	252	Resp:	186241
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.0	25.6
125	13.2	9.0	13.6





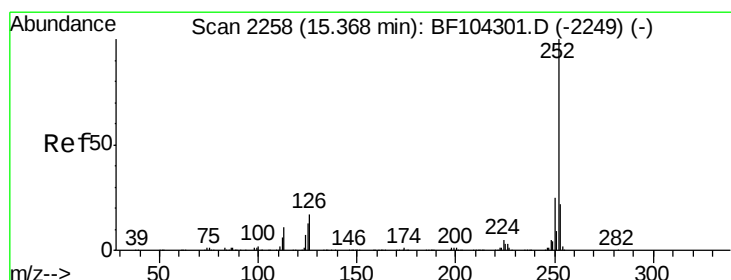
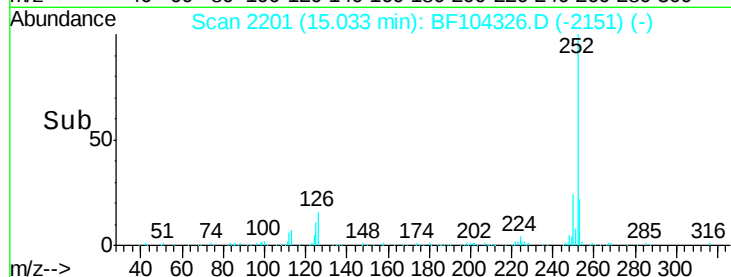
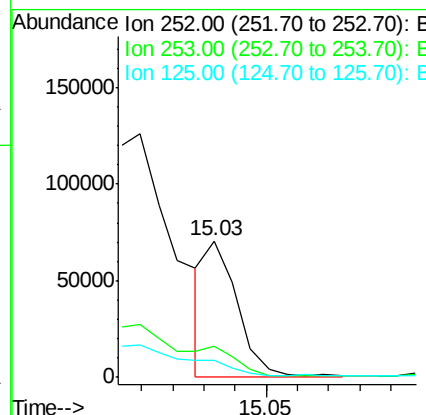
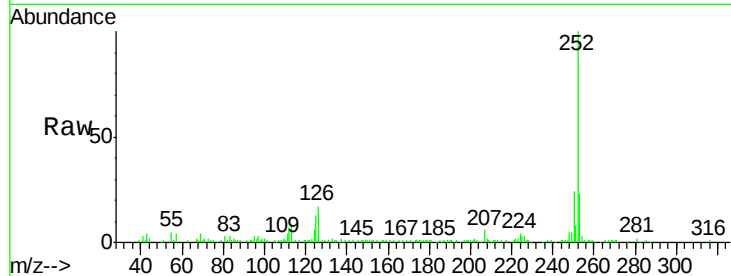
#88
Benzo(k)fluoranthene
Concen: 3.154 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Instrument :
BNA_F
ClientSampleId :
RT3059

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.8	10.2	15.2

Manual Integrations
APPROVED

Sohil
4/9/2018 11:18:45 AM



#89
Benzo(a)pyrene
Concen: 4.662 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF104326.D
Acq: 7 Apr 2018 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	11.7	9.8	14.6

