

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101126.D
 Acq On : 5 Dec 2017 16:05
 Operator : SJ/JU
 Sample : I6718-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2041

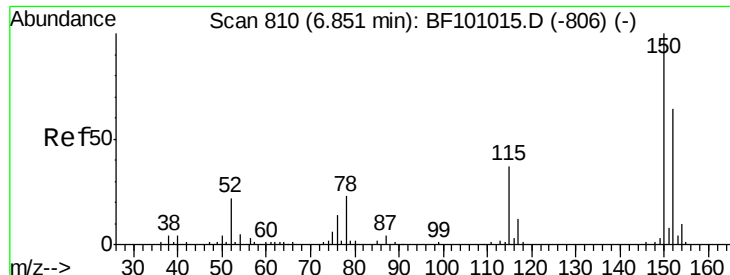
Manual Integrations
 APPROVED

Sohil
 12/6/2017 5:13:40 PM

Quant Time: Dec 05 17:08:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	60647	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	222134	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	100843	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	179608	20.00	ng	0.00
75) Chrysene-d12	14.02	240	122628	20.00	ng	0.00
86) Perylene-d12	15.50	264	121213	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	382319	104.17	ng	0.00
7) Phenol-d6	6.49	99	455945	102.32	ng	0.00
23) Nitrobenzene-d5	7.42	82	278886	74.89	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	120668	99.61	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	548783	74.46	ng	0.00
78) Terphenyl-d14	12.96	244	426669	76.10	ng	0.00
Target Compounds						
10) Phenol	6.49	94	11985	2.419	ng	Qvalue # 64
49) Dimethylphthalate	9.60	163	71500	8.792	ng	98
70) Phenanthrene	11.40	178	134762	13.625	ng	97
71) Anthracene	11.45	178	28655	2.862	ng	97
74) Fluoranthene	12.59	202	186831	17.040	ng	92
77) Pyrene	12.82	202	192737	22.778	ng	98
80) Benzo(a)anthracene	14.01	228	84848	10.959	ng	94
82) Chrysene	14.05	228	88067	12.247	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	34117	5.337	ng	93
87) Benzo(b)fluoranthene	15.06	252	89567m	12.336	ng	
88) Benzo(k)fluoranthene	15.09	252	27101m	3.789	ng	
89) Benzo(a)pyrene	15.43	252	68742	10.415	ng	95
91) Benzo(a,h,i)perylene	17.43	276	35978	6.561	ng	# 91

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



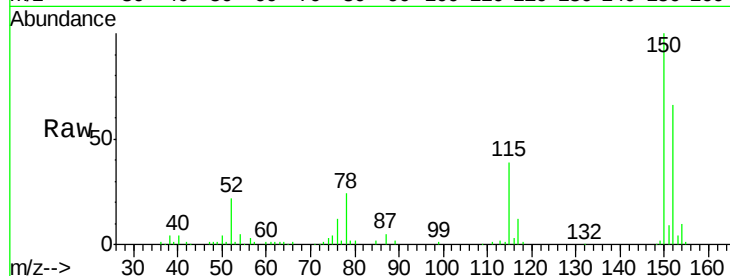
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101126.D
 Acq: 5 Dec 2017 16:05

Instrument :
 BNA_F
 ClientSampled :
 2041

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.6	186.8
115	58.7	50.1	75.1

Manual Integrations
 APPROVED

Sohil
 12/6/2017 5:13:40 PM

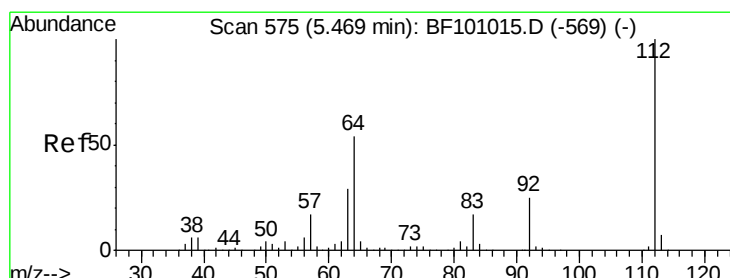
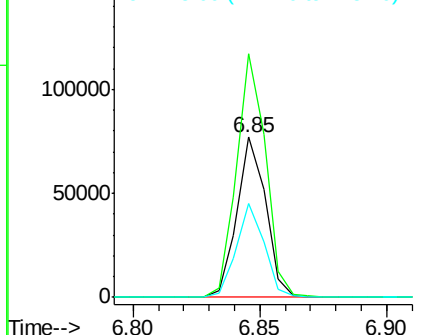
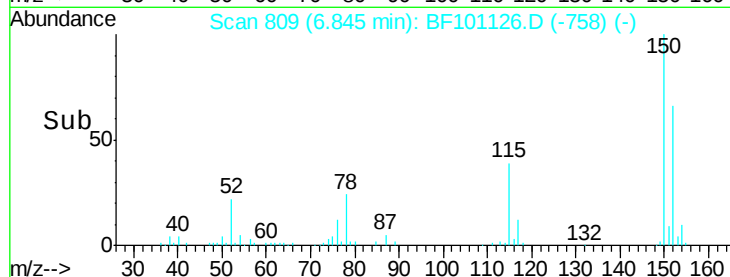


Abundance

Ion 152.00 (151.70 to 152.70): E

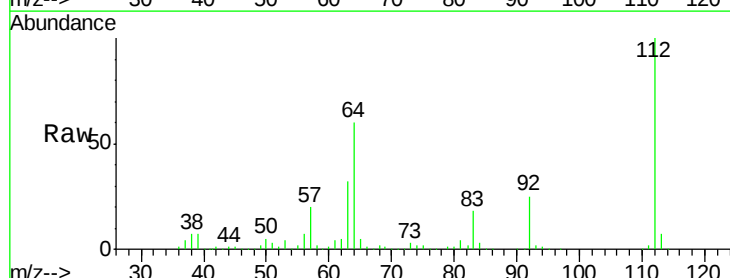
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 104.170 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF101126.D
 Acq: 5 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	31.8	23.7	35.5

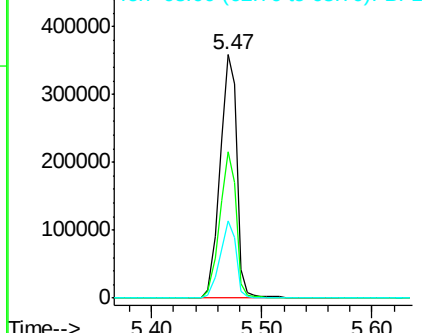
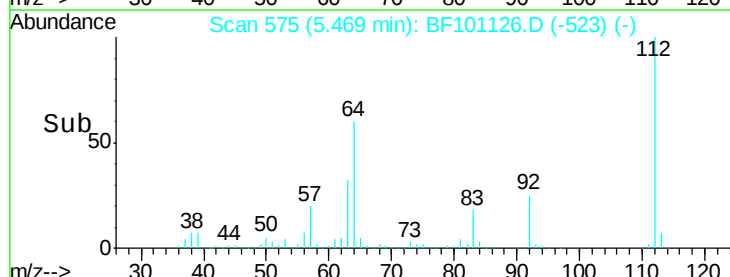


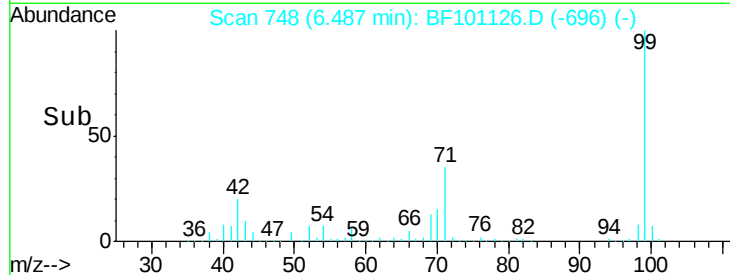
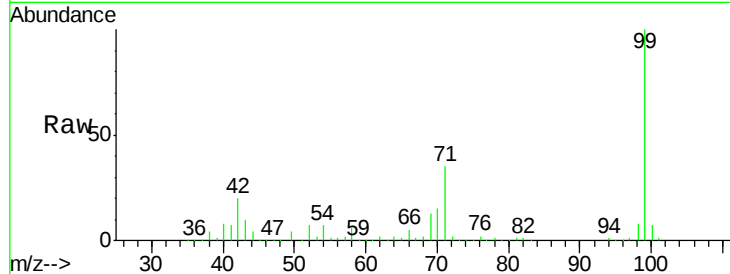
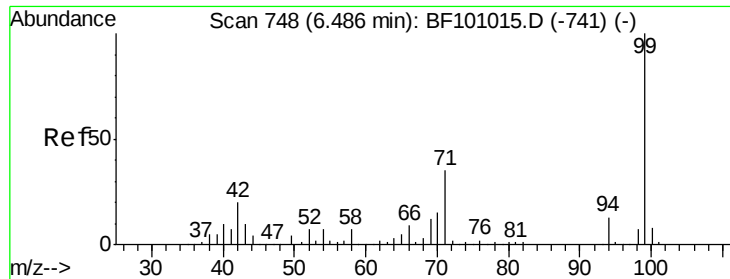
Abundance

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: 102.324 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101126.D

Acq: 5 Dec 2017 16:05

Tot Ion:	99	Resp:	455945
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	34.7	25.4	38.0

Instrument :

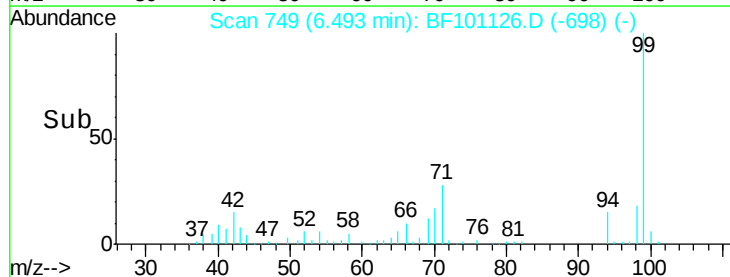
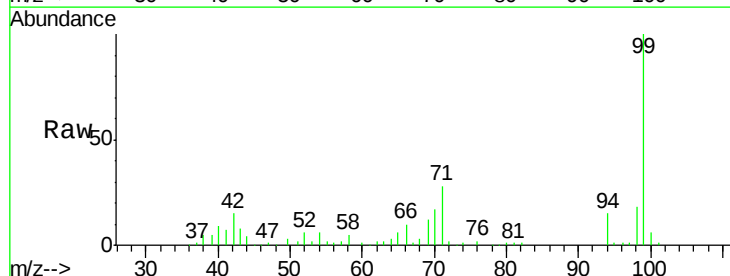
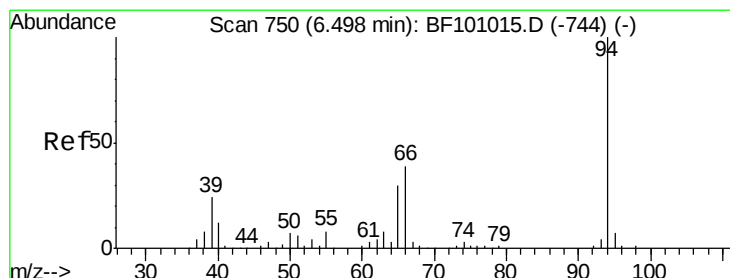
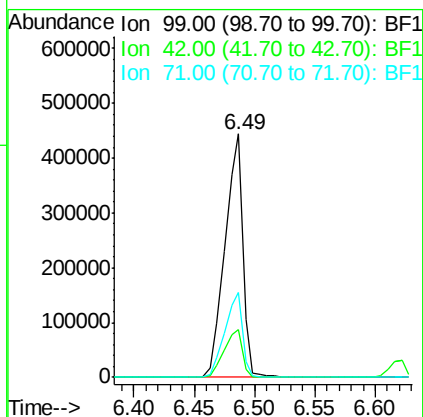
BNA_F

ClientSampled :

2041

Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:40 PM



#10

Phenol

Concen: 2.419 ng

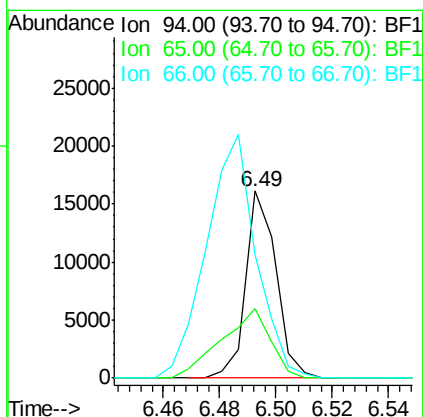
RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101126.D

Acq: 5 Dec 2017 16:05

Tgt Ion:	94	Resp:	11985
Ion Ratio	Lower	Upper	
94	100		
65	37.3	7.9	47.9
66	65.8	16.2	56.2#





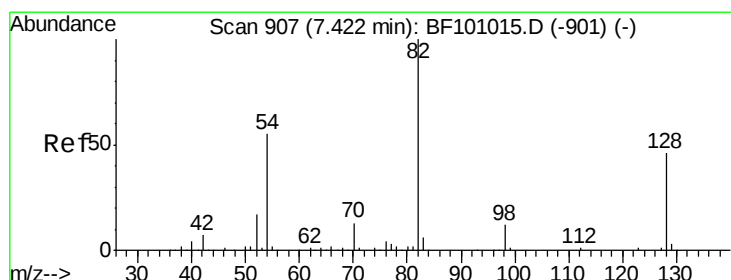
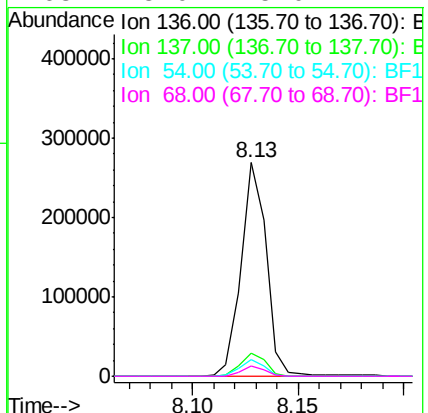
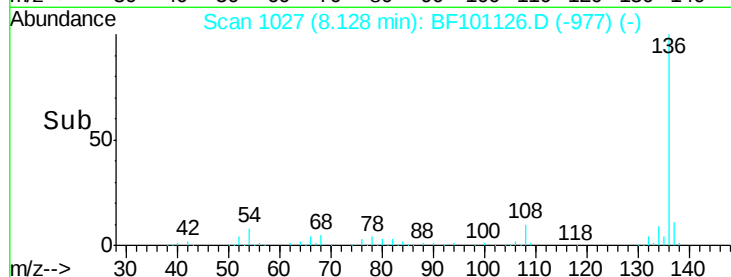
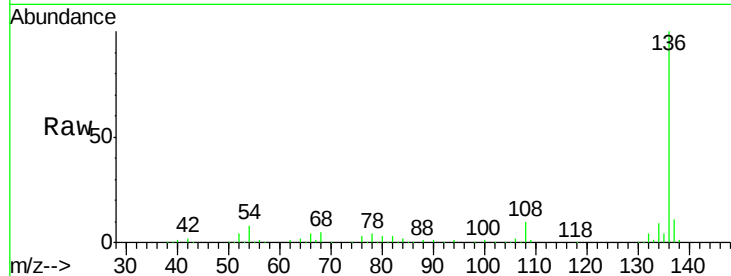
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Instrument :
BNA_F
ClientSampleId :
2041

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.7		8.9	13.3	
54	8.0		6.6	9.8	
68	5.0		5.0	7.4	

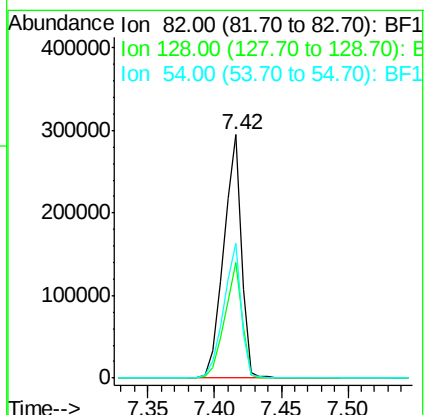
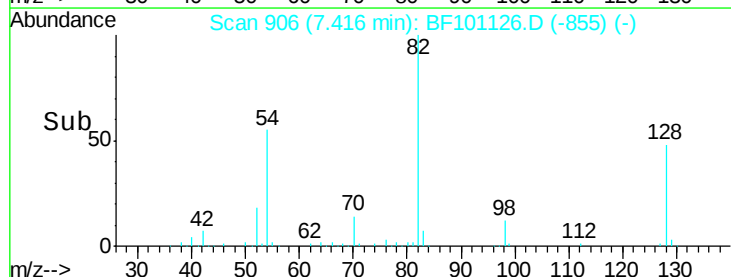
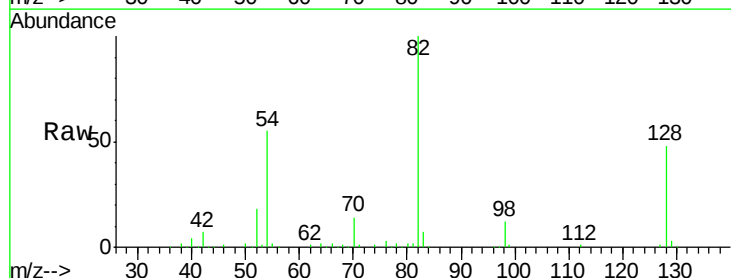
Manual Integrations
APPROVED

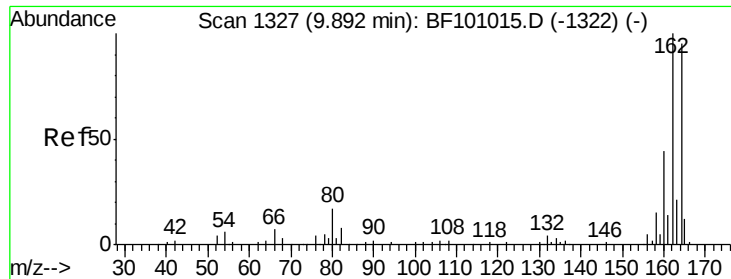
Sohil
12/6/2017 5:13:40 PM



#23
Nitrobenzene-d5
Concen: 74.894 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	47.6		36.1	54.1	
54	55.3		41.4	62.2	





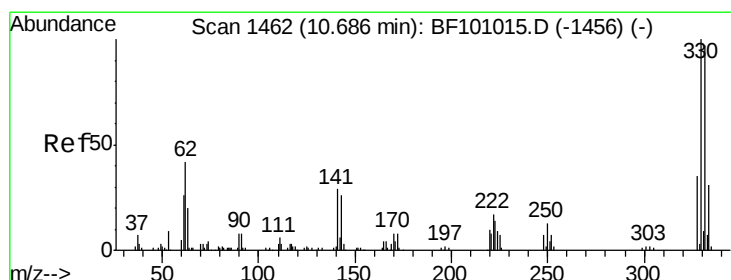
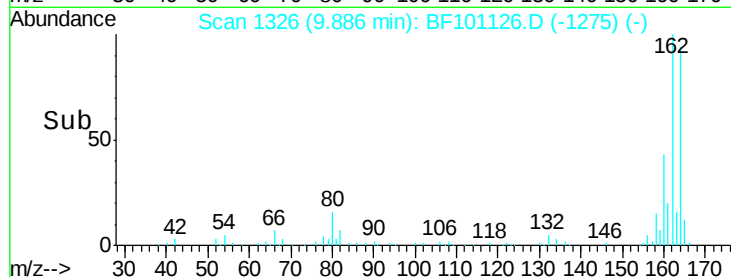
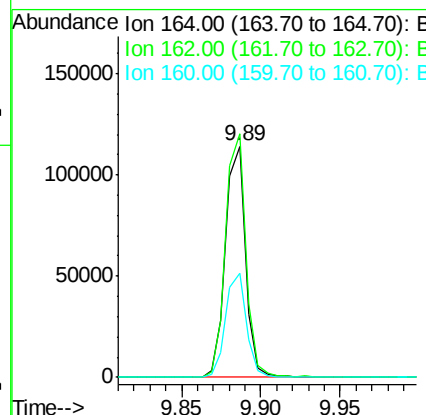
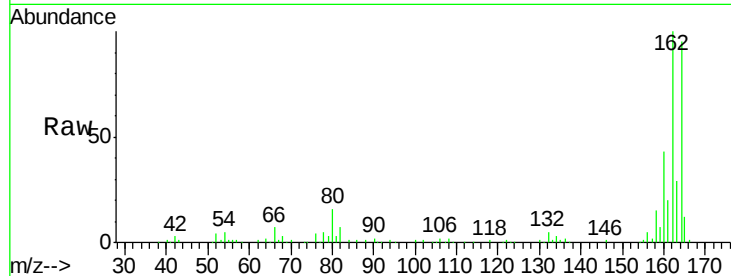
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Instrument :
BNA_F
ClientSampleId :
2041

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	45.1	38.3	57.5

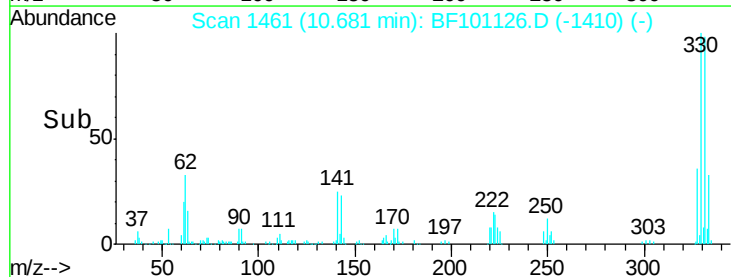
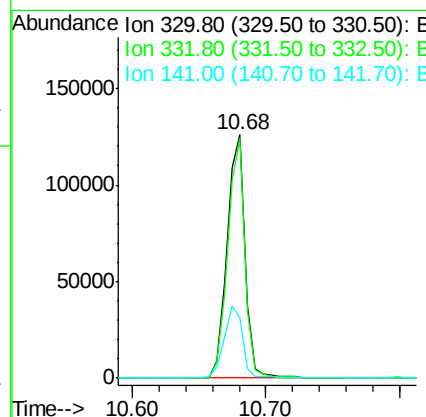
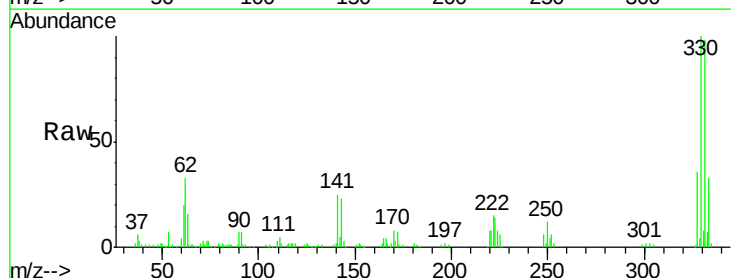
Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:40 PM



#41
2,4,6-Tribromophenol
Concen: 99.609 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	30.1	29.9	44.9





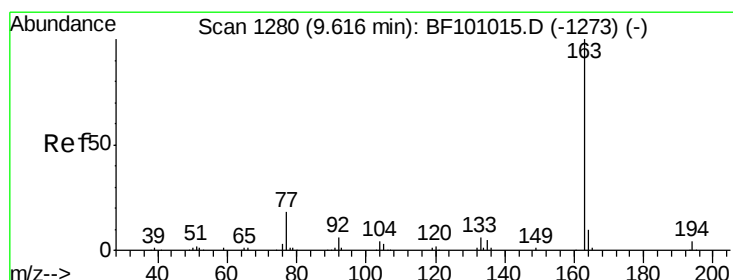
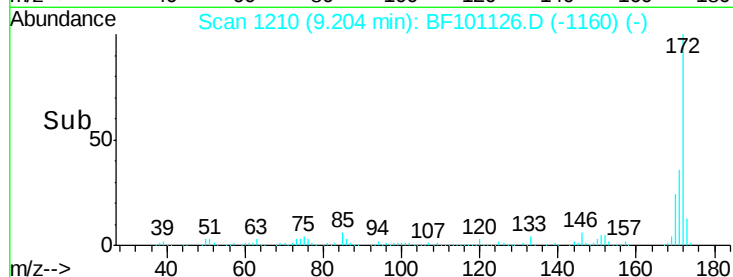
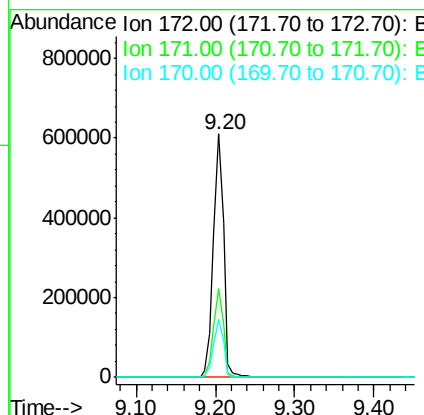
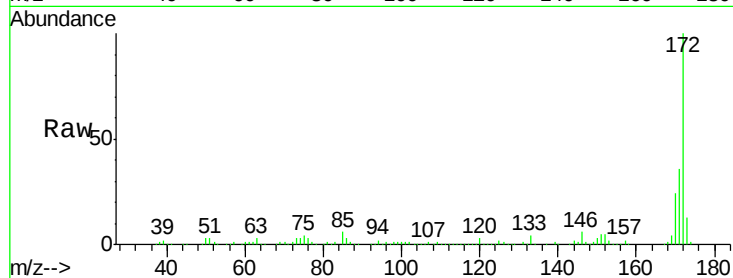
#44
2-Fluorobiphenyl
Concen: 74.457 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
2041

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.7	19.6	29.4

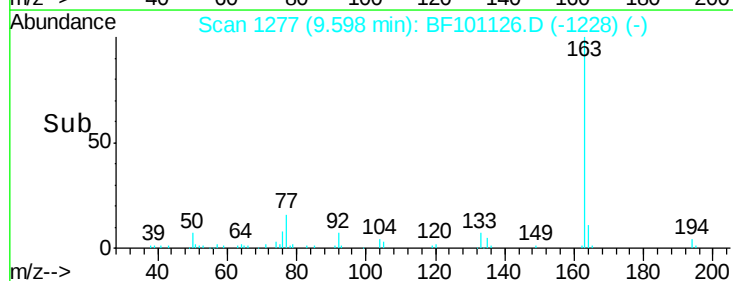
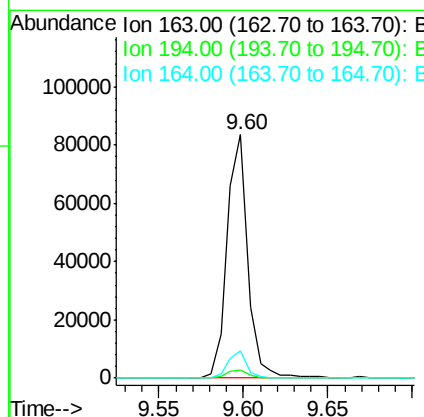
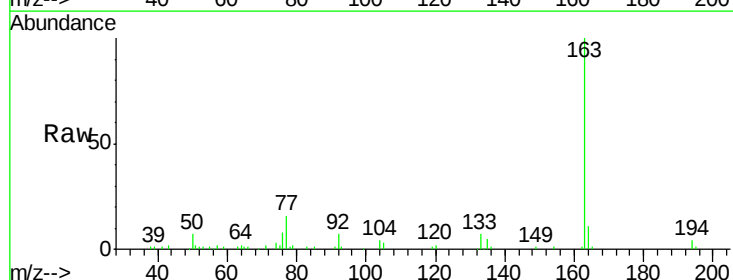
Manual Integrations
APPROVED

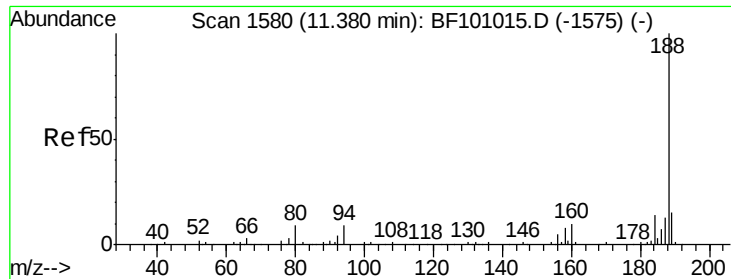
Sohil
12/6/2017 5:13:40 PM



#49
Dimethylphthalate
Concen: 8.792 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	11.0	8.2	12.2





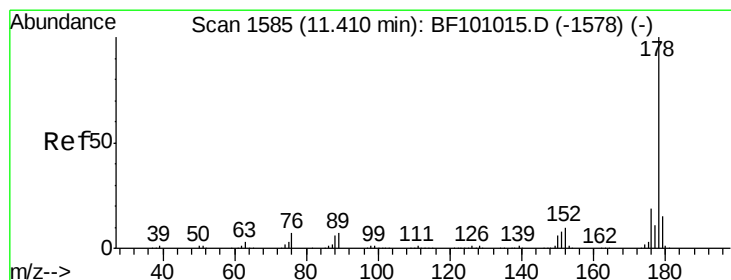
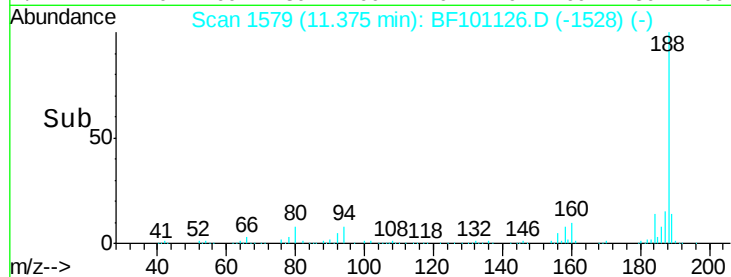
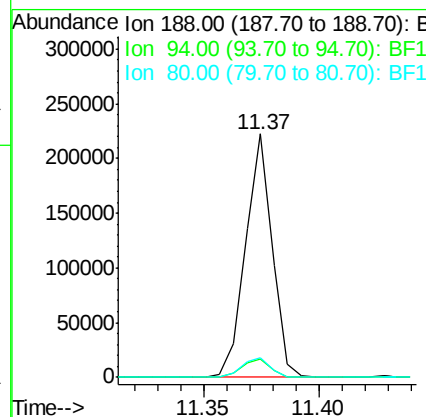
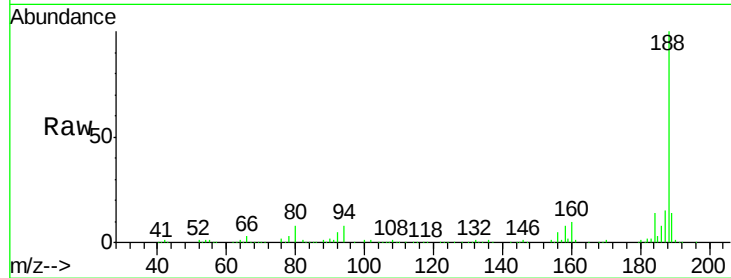
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
2041

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.2	9.2	13.8#

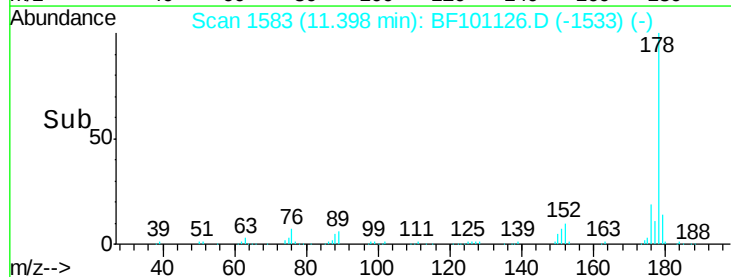
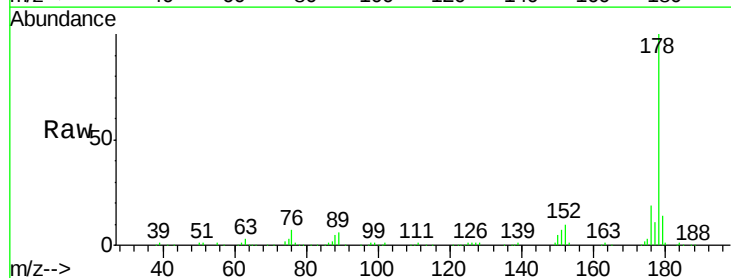
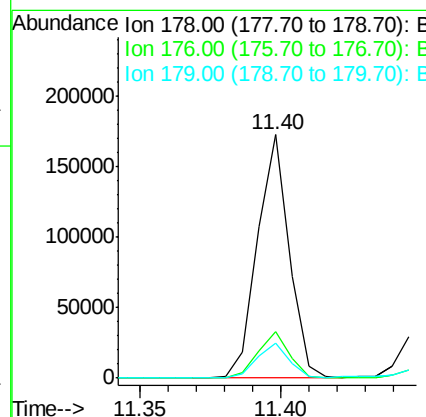
Manual Integrations
APPROVED

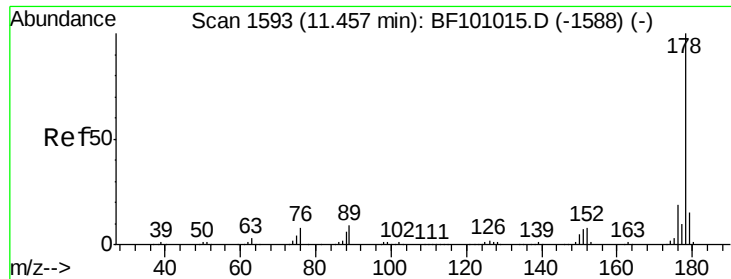
Sohil
12/6/2017 5:13:40 PM



#70
Phenanthrene
Concen: 13.625 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.5	13.0	19.6





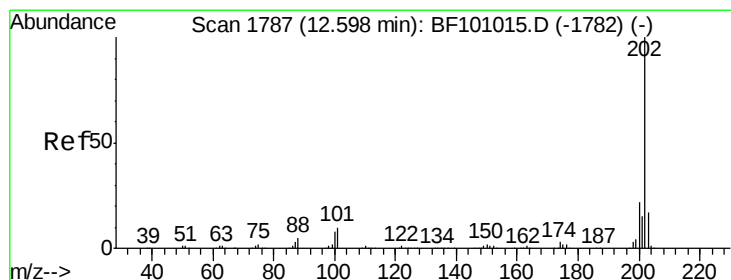
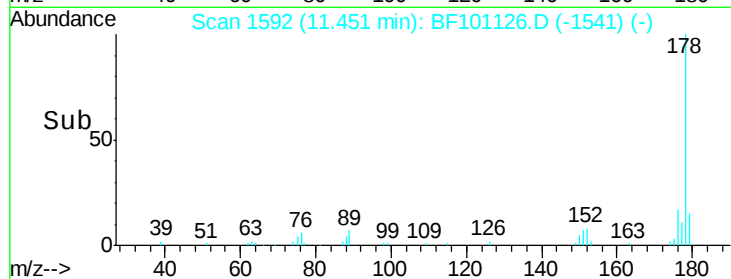
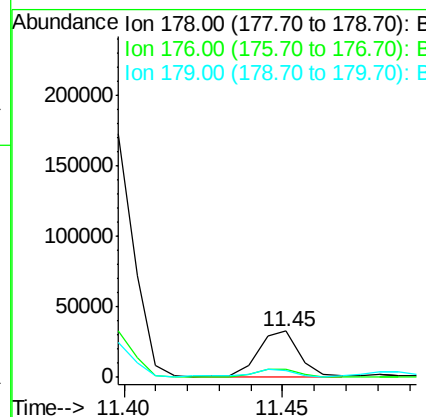
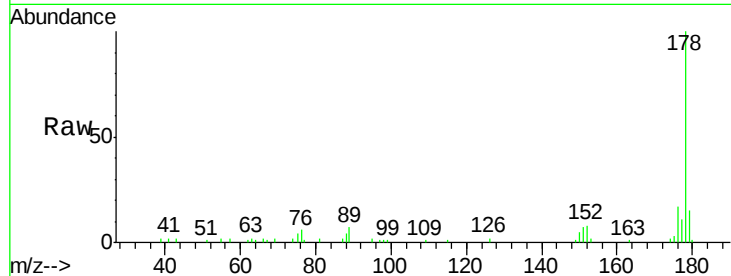
#71
 Anthracene
 Concen: 2.862 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF101126.D
 Acq: 5 Dec 2017 16:05

Instrument :
 BNA_F
 ClientSampleId :
 2041

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.4	23.2
179	15.0	12.6	19.0

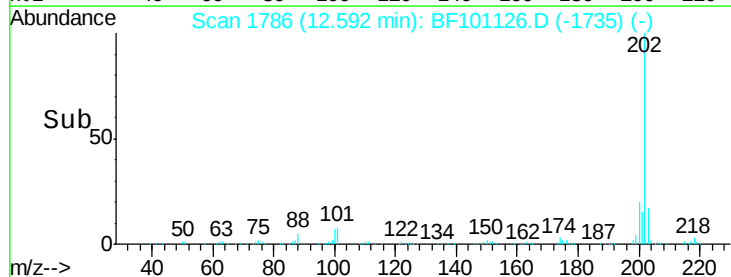
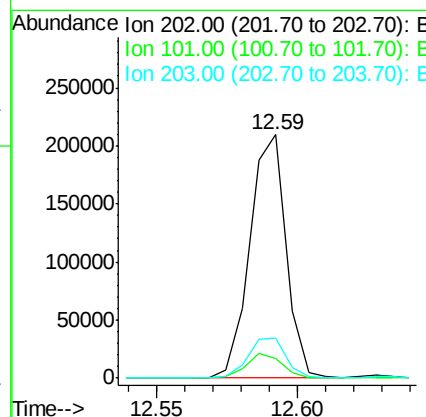
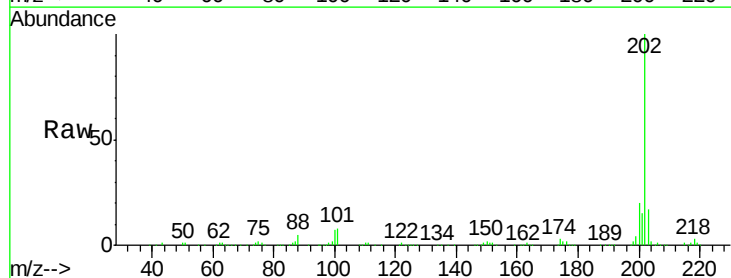
Manual Integrations
 APPROVED

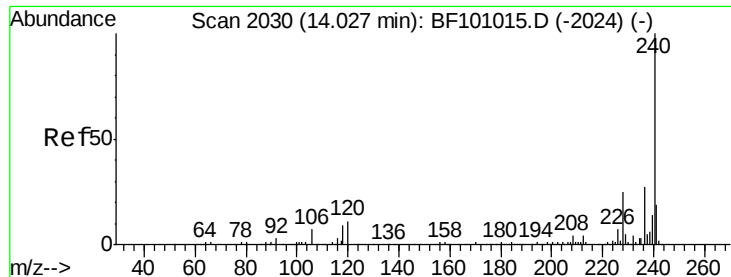
Sohil
 12/6/2017 5:13:40 PM



#74
 Fluoranthene
 Concen: 17.040 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BF101126.D
 Acq: 5 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	34.1
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101126.D

Acq: 5 Dec 2017 16:05

Instrument :

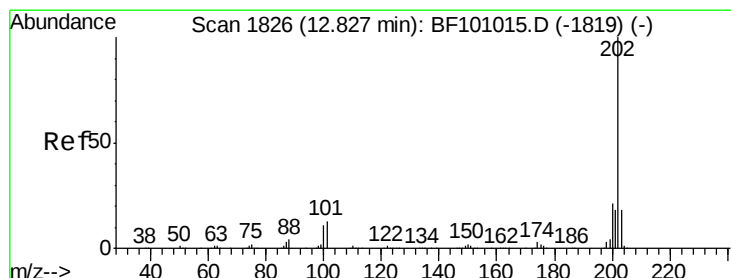
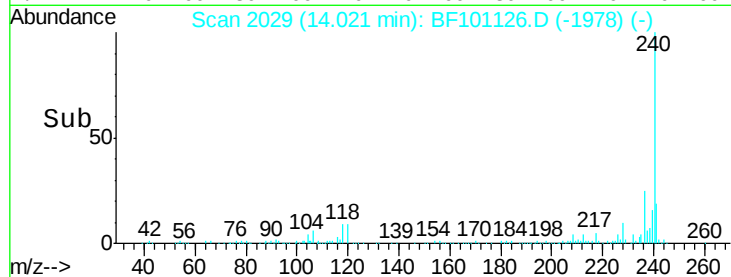
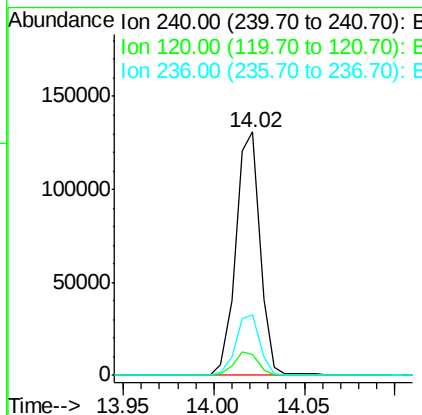
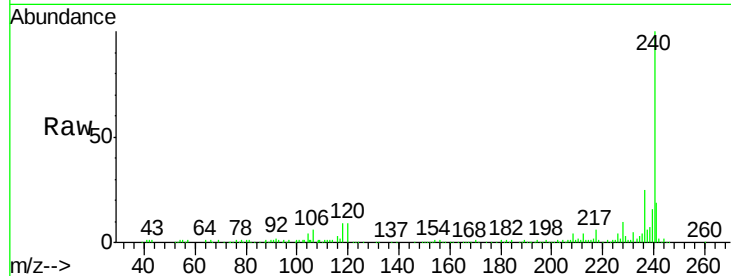
BNA_F

ClientSampleId :
2041

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	8.7	9.5	14.3#
236	25.1	20.7	31.1

Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:40 PM



#77

Pyrene

Concen: 22.778 ng

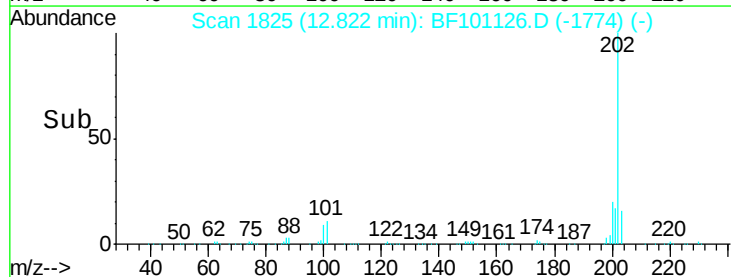
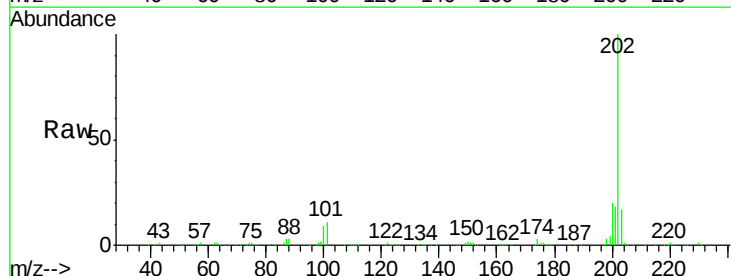
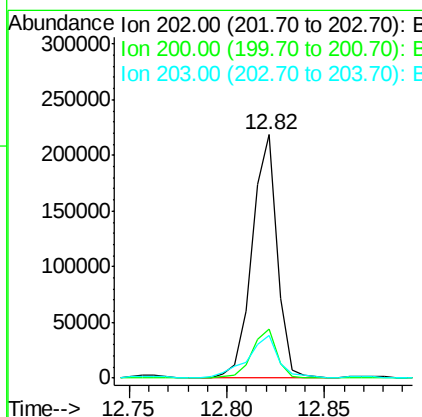
RT: 12.82 min Scan# 1825

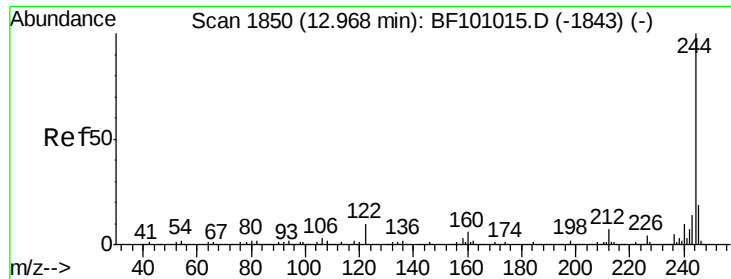
Delta R.T. 0.00 min

Lab File: BF101126.D

Acq: 5 Dec 2017 16:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.2	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 76.103 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101126.D

Acq: 5 Dec 2017 16:05

Instrument :

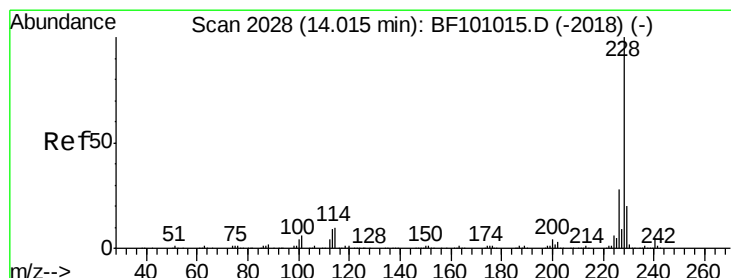
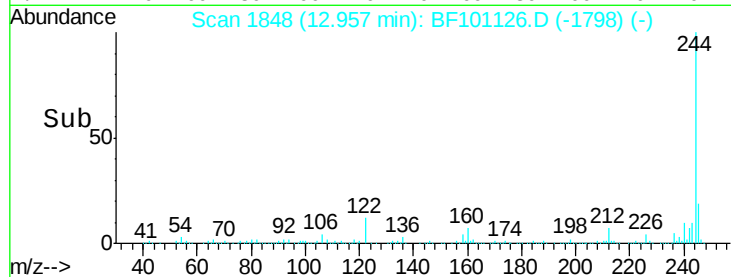
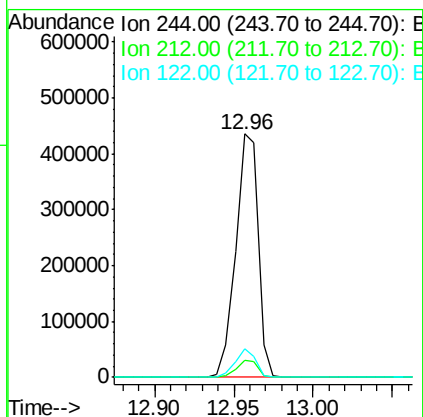
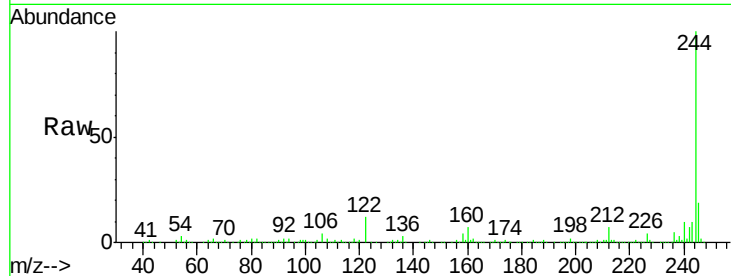
BNA_F

ClientSampleId :
2041

Tot Ion:	244	Resp:	426669
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.9	11.0	16.4

Manual Integrations
APPROVED

Sohil
12/6/2017 5:13:40 PM



#80

Benzo(a)anthracene

Concen: 10.959 ng

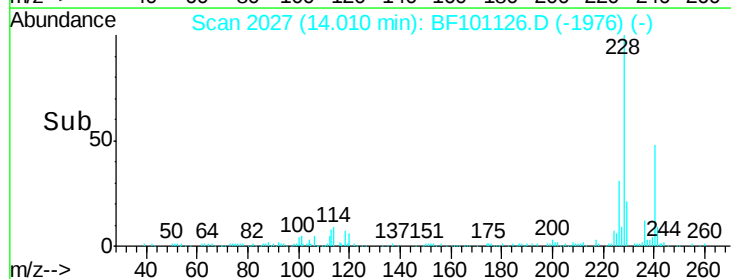
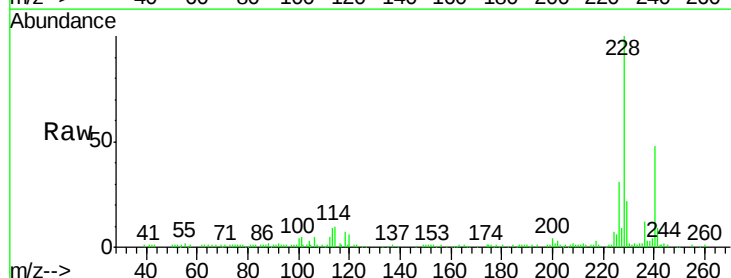
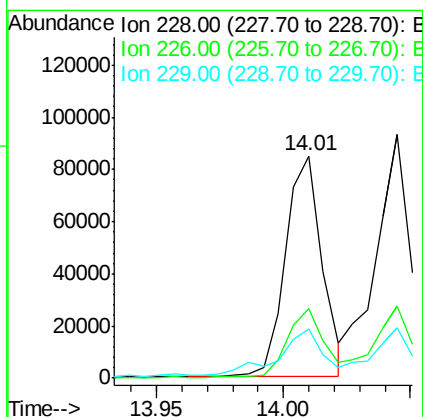
RT: 14.01 min Scan# 2027

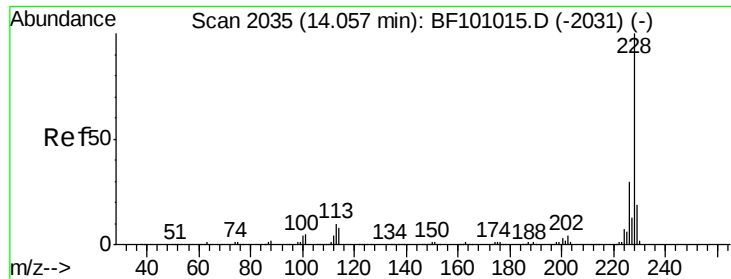
Delta R.T. 0.00 min

Lab File: BF101126.D

Acq: 5 Dec 2017 16:05

Tgt Ion:	228	Resp:	84848
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.6	33.8
229	21.9	15.8	23.6





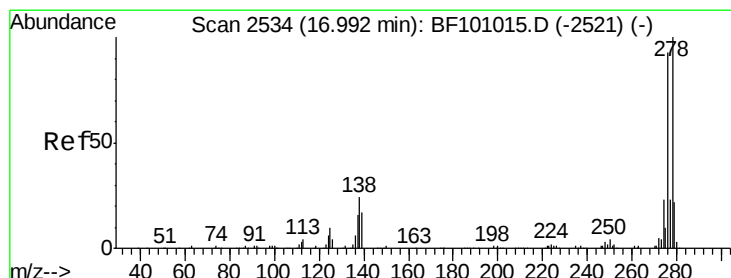
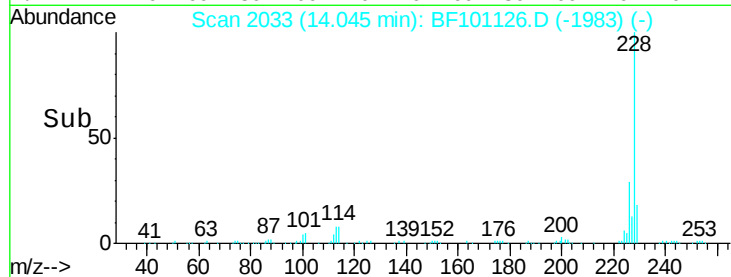
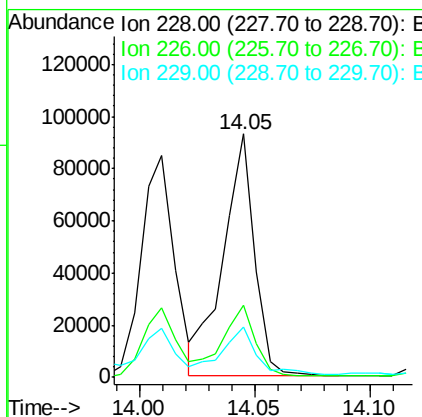
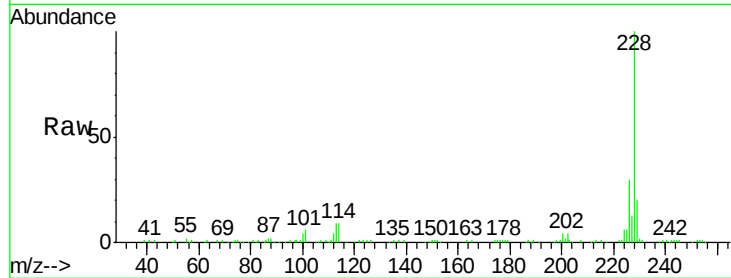
#82
Chrysene
Concen: 12.247 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
2041

Tot Ion:	228	Resp:	88067
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	20.4	16.2	24.4

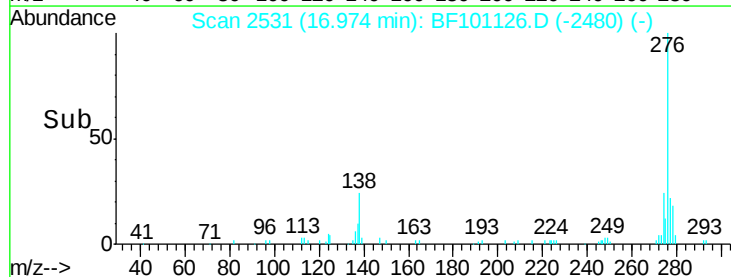
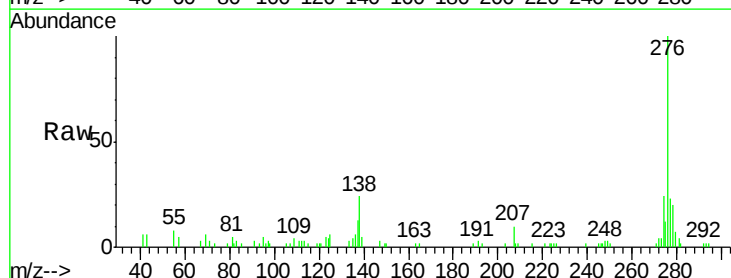
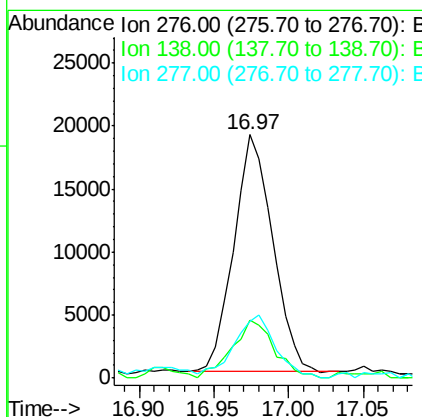
Manual Integrations
APPROVED

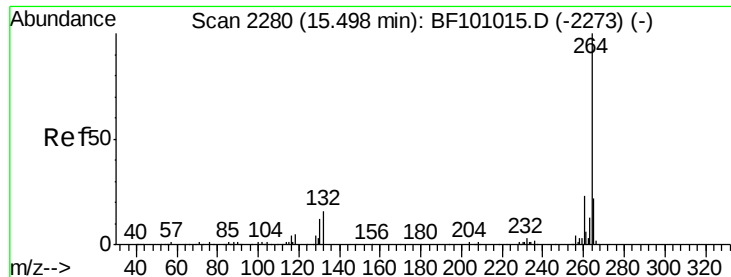
Sohil
12/6/2017 5:13:40 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.337 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Tgt Ion:	276	Resp:	34117
Ion Ratio	Lower	Upper	
276	100		
138	26.7	25.0	37.6
277	28.3	20.1	30.1





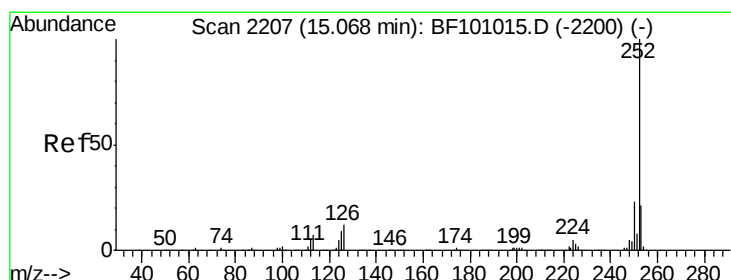
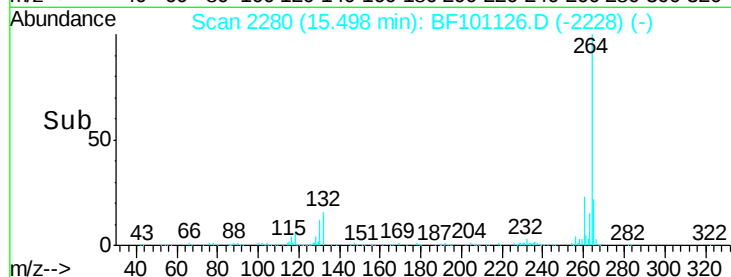
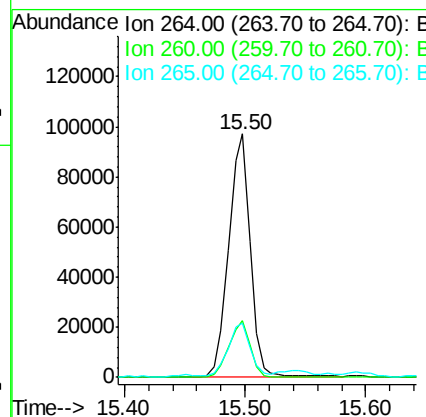
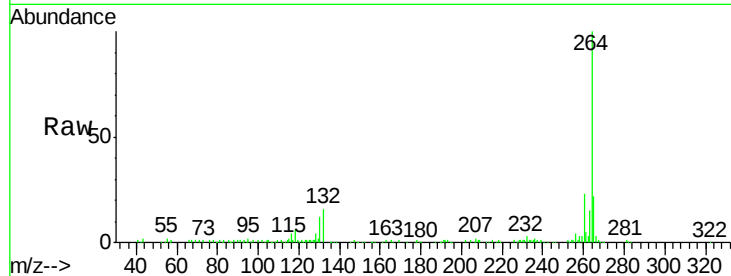
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Instrument :
BNA_F
ClientSampleId :
2041

Tot Ion:	264	Resp:	121213
Ion Ratio		Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.3	17.5	26.3

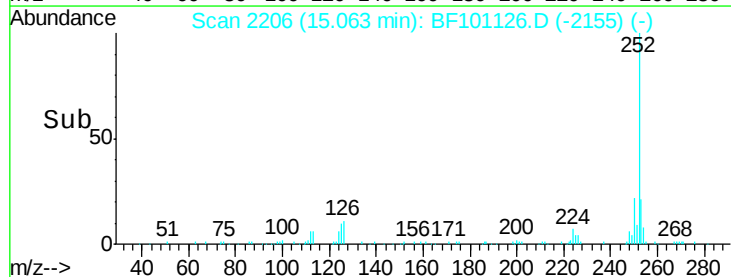
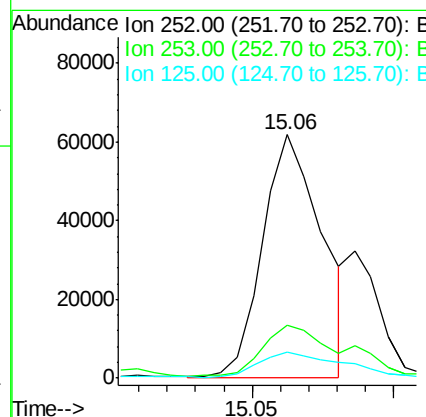
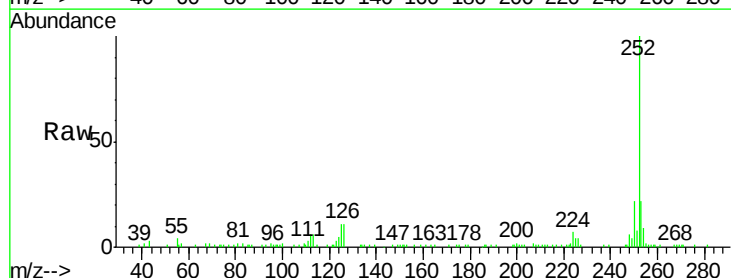
Manual Integrations
APPROVED

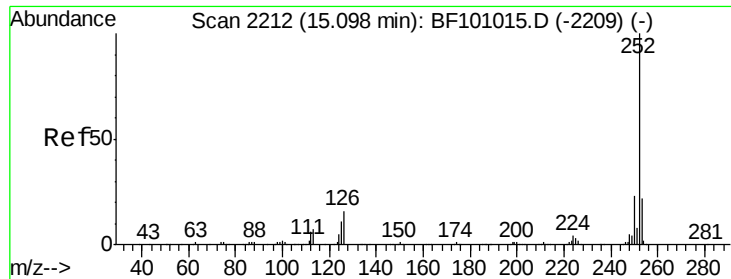
Sohil
12/6/2017 5:13:40 PM



#87
Benzo(b)fluoranthene
Concen: 12.336 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Tgt Ion:	252	Resp:	89567
Ion Ratio		Lower	Upper
252	100		
253	21.5	17.0	25.6
125	10.9	9.0	13.6





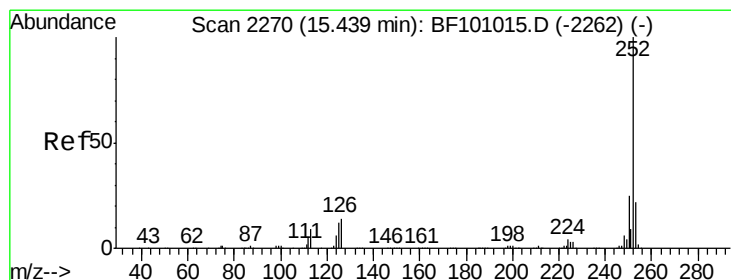
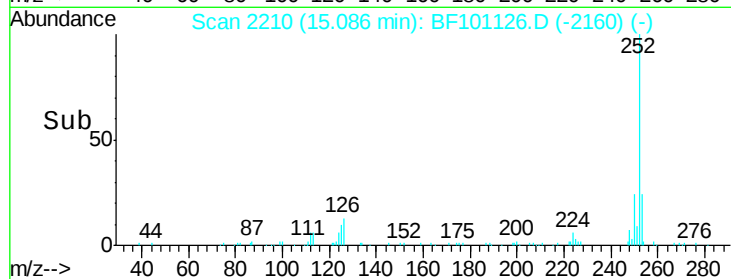
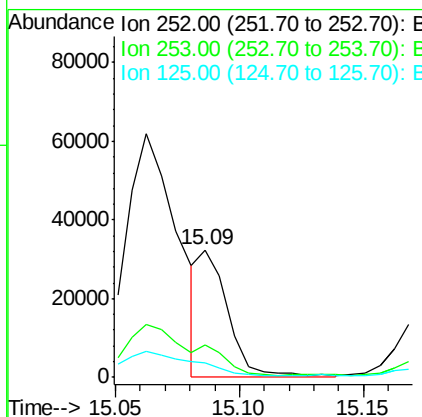
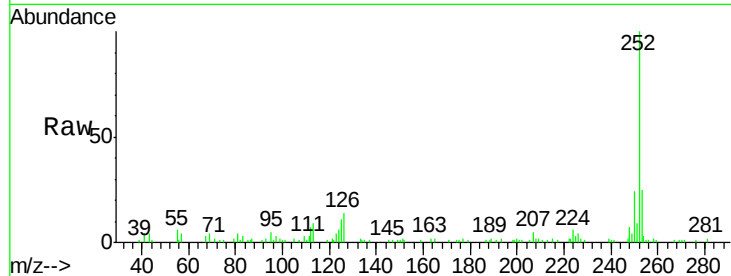
#88
Benzo(k)fluoranthene
Concen: 3.789 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
2041

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	11.1	10.2	15.2

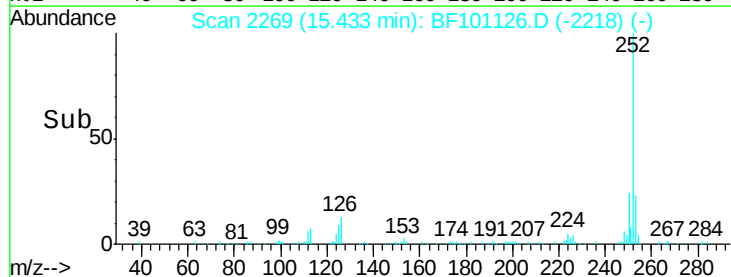
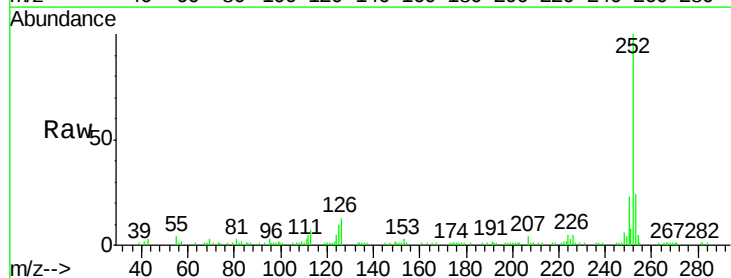
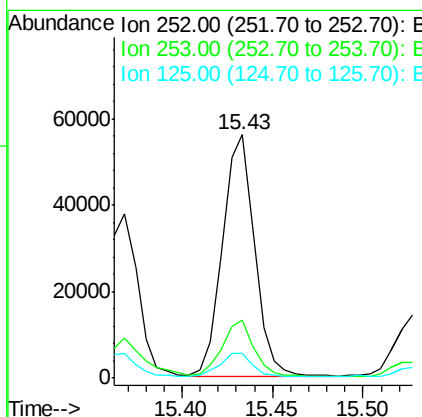
Manual Integrations
APPROVED

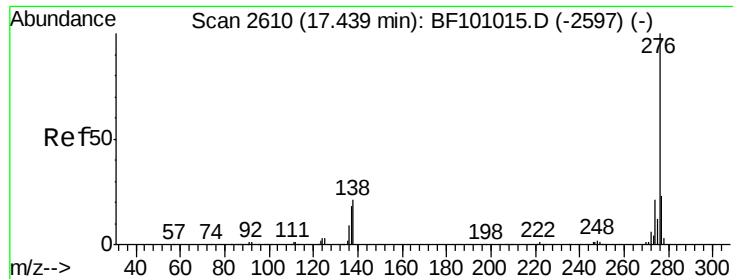
Sohil
12/6/2017 5:13:40 PM



#89
Benzo(a)pyrene
Concen: 10.415 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101126.D
Acq: 5 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	9.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.561 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: BF101126.D
 Acq: 5 Dec 2017 16:05

Instrument :
 BNA_F
 ClientSampleId :
 2041

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	19.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/6/2017 5:13:40 PM

