

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
 Data File : BF106308.D
 Acq On : 11 Jun 2018 21:22
 Operator : JU/SJ
 Sample : J2932-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-D-DB-1-2

Manual Integrations
 APPROVED

Sohil
 6/12/2018 12:58:27 PM

Quant Time: Jun 12 03:55:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	208053	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	792725	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	357424	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	613120	20.00	ng	0.00
75) Chrysene-d12	14.15	240	512216	20.00	ng	-0.01
86) Perylene-d12	15.68	264	408171	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	251492	20.46	ng	0.00
7) Phenol-d6	6.58	99	315615	20.32	ng	-0.01
23) Nitrobenzene-d5	7.52	82	188345	13.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	63715	18.53	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	369510	8.67	ng	0.00
78) Terphenyl-d14	13.08	244	317791	15.41	ng	0.00
Target Compounds						
70) Phenanthrene	11.52	178	347198	11.563	ng	99
71) Anthracene	11.58	178	107970	3.589	ng	98
74) Fluoranthene	12.72	202	555391	17.344	ng	97
77) Pyrene	12.95	202	489877	15.276	ng	99
80) Benzo(a)anthracene	14.14	228	264704	8.684	ng	97
82) Chrysene	14.17	228	227243	8.165	ng	99
85) Indeno(1,2,3-cd)pyrene	17.23	276	84576	3.808	ng	# 90
87) Benzo(b)fluoranthene	15.22	252	260526m	10.559	ng	
88) Benzo(k)fluoranthene	15.25	252	93091m	3.810	ng	
89) Benzo(a)pyrene	15.61	252	180284	8.124	ng	98
91) Benzo(g,h,i)perylene	17.71	276	79051	4.396	ng	93

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

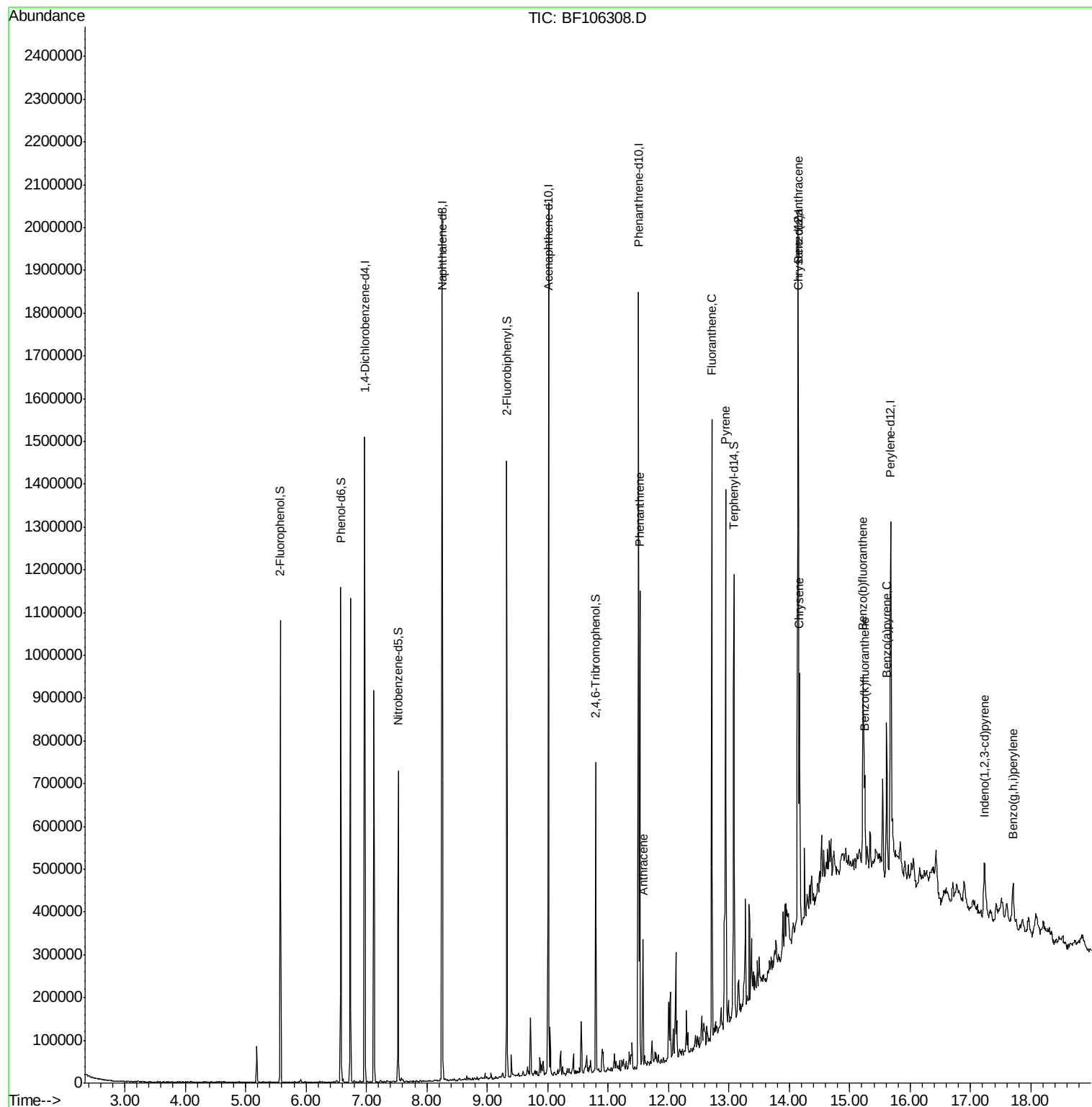
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106308.D
Acq On : 11 Jun 2018 21:22
Operator : JU/SJ
Sample : J2932-07 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

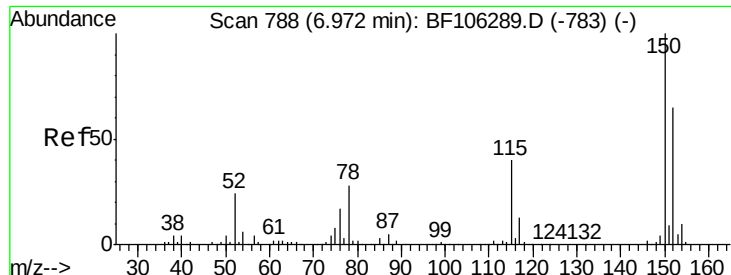
Instrument :
BNA_F
ClientSampleID :
TP-D-DB-1-2

Manual Integrations
APPROVED

Sohil
6/12/2018 12:58:27 PM

Quant Time: Jun 12 03:55:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 11 15:00:22 2018
Response via : Initial Calibration





#1

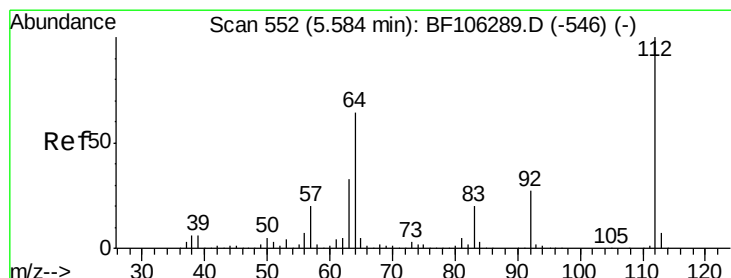
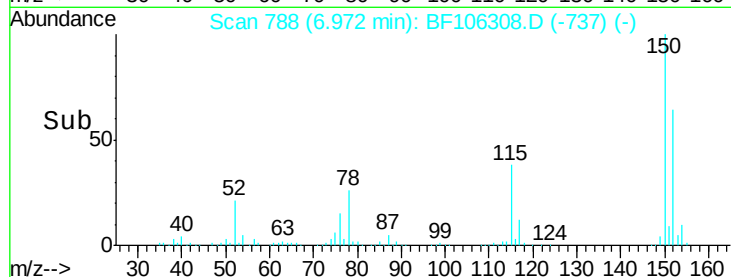
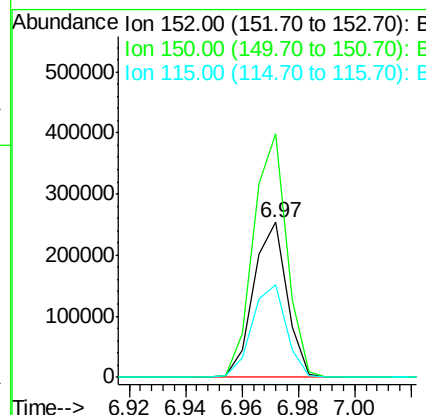
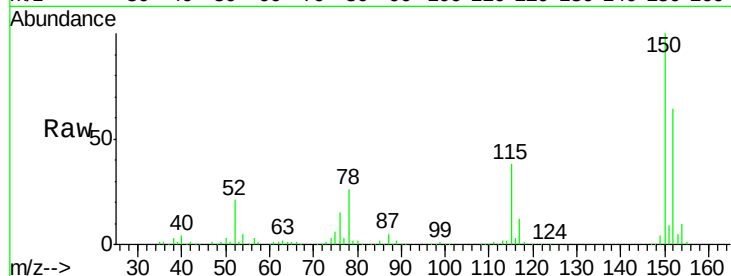
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :
TP-D-DB-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	59.6	50.1	75.1

Manual Integrations
APPROVED

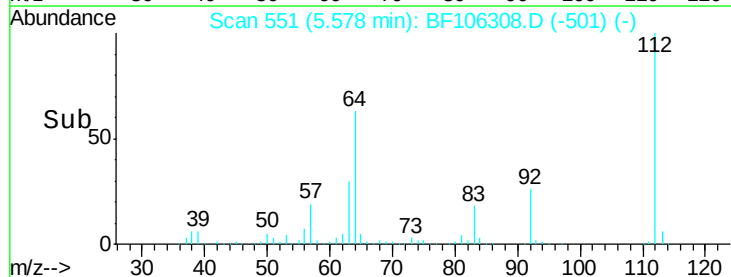
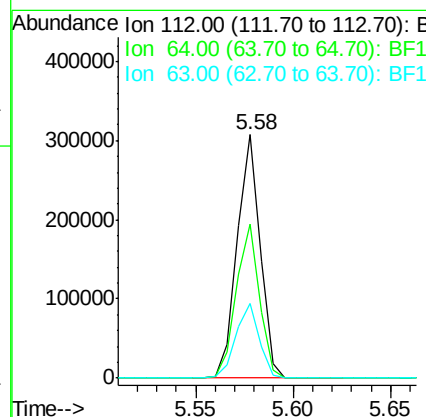
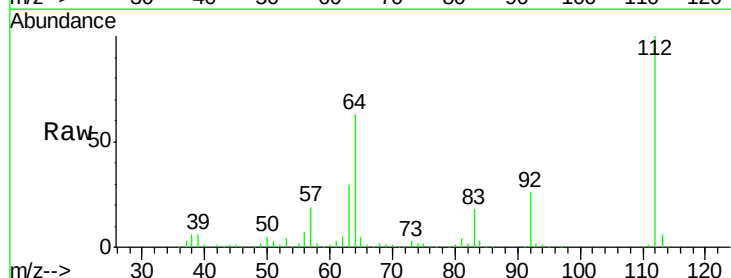
Sohil
6/12/2018 12:58:27 PM

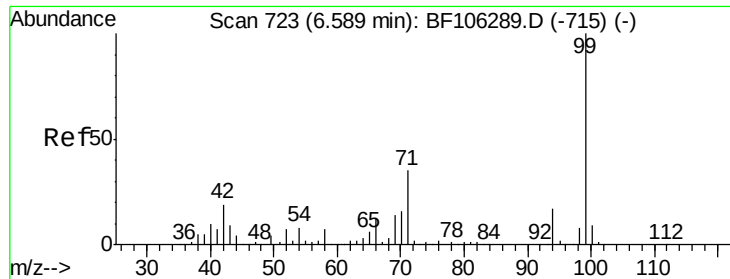


#5

2-Fluorophenol
Concen: 20.459 ng
RT: 5.58 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	30.5	23.7	35.5





#7

Phenol-d6

Concen: 20.322 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

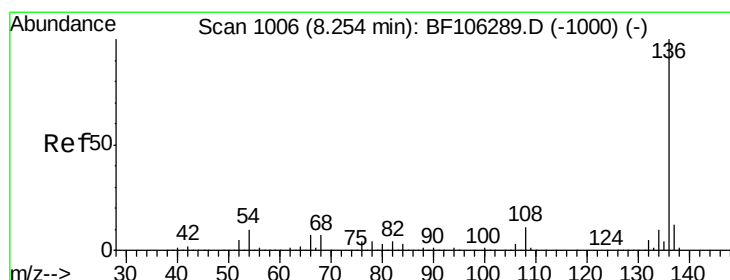
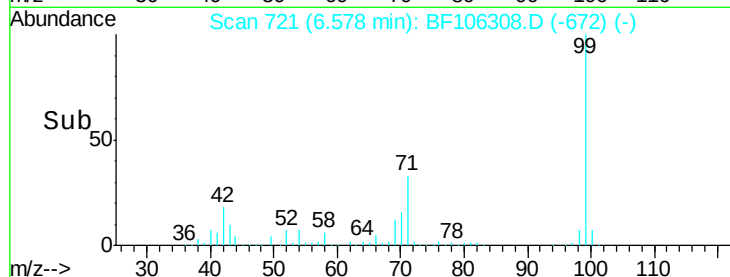
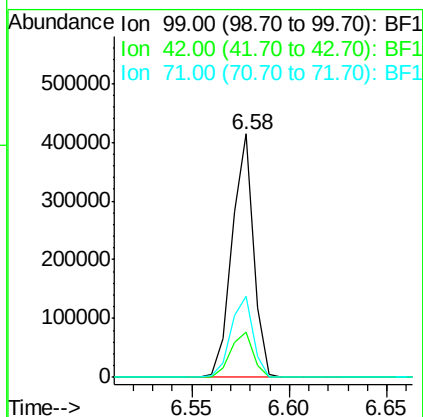
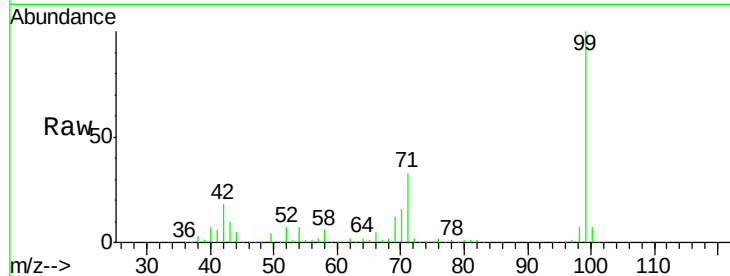
ClientSampled :

TP-D-DB-1-2

Tot Ion:	99	Resp:	315615
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	33.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
6/12/2018 12:58:27 PM



#21

Naphthalene-d8

Concen: 20.000 ng

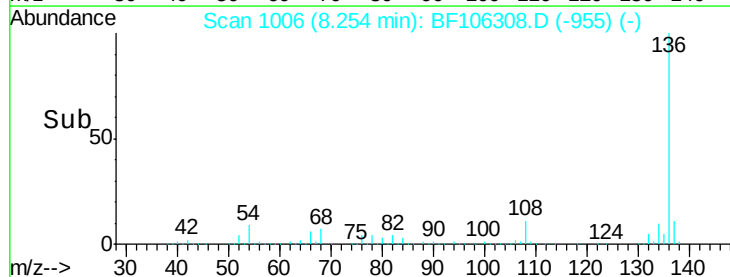
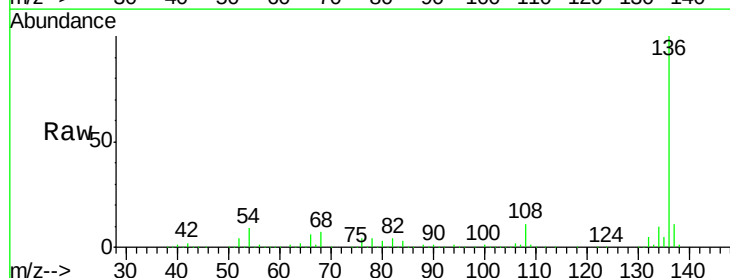
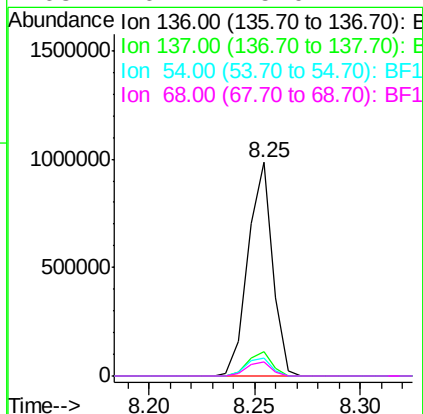
RT: 8.25 min Scan# 1006

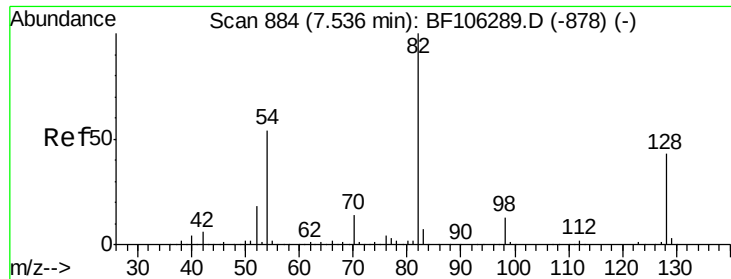
Delta R.T. 0.00 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Tgt Ion:	136	Resp:	792725
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	8.5	6.6	9.8
68	6.7	5.0	7.4





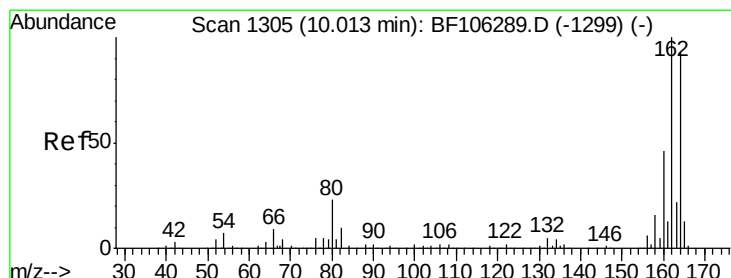
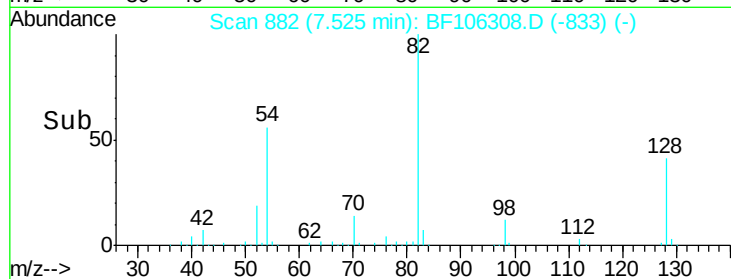
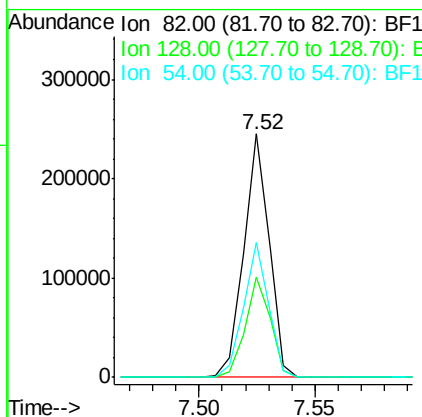
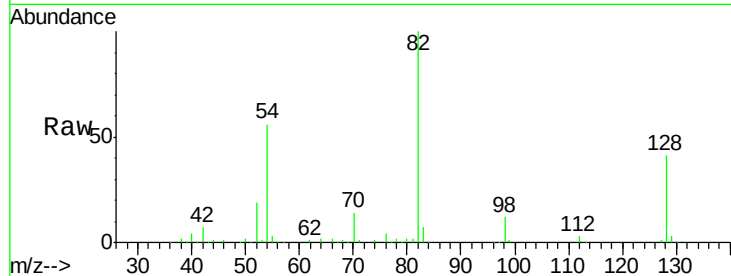
#23
Nitrobenzene-d5
Concen: 13.977 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :
TP-D-DB-1-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.2	36.1	54.1	
54	55.6	41.4	62.2	

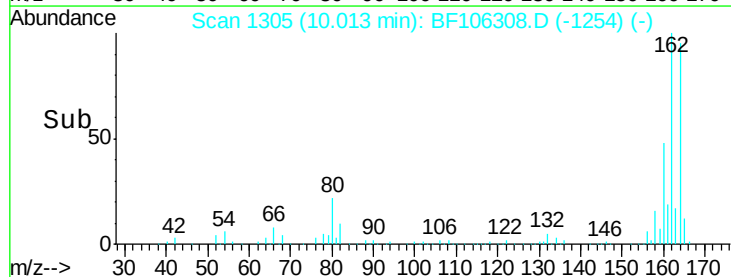
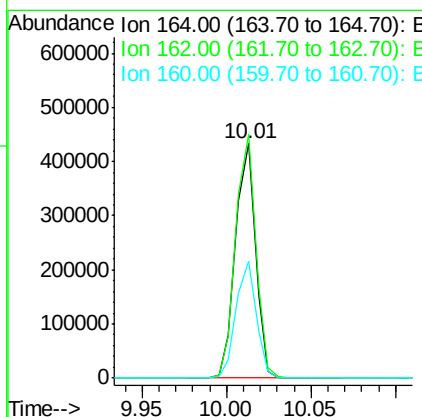
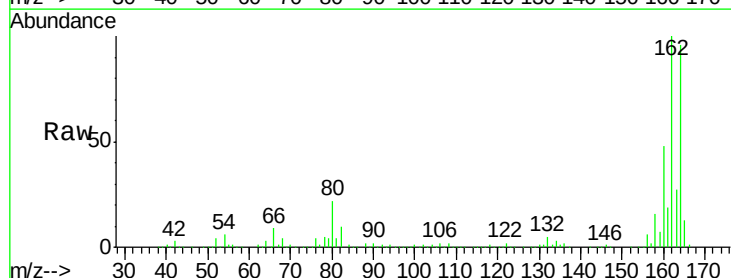
Manual Integrations
APPROVED

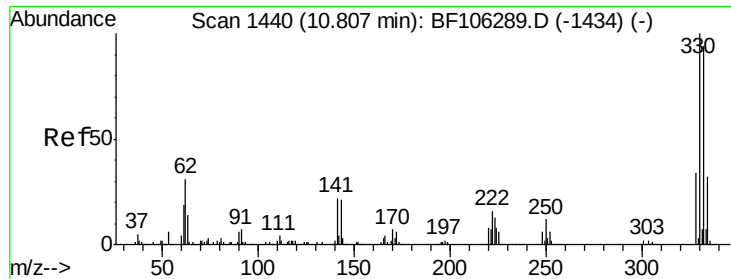
Sohil
6/12/2018 12:58:27 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	86.1	129.1	
160	49.7	38.3	57.5	





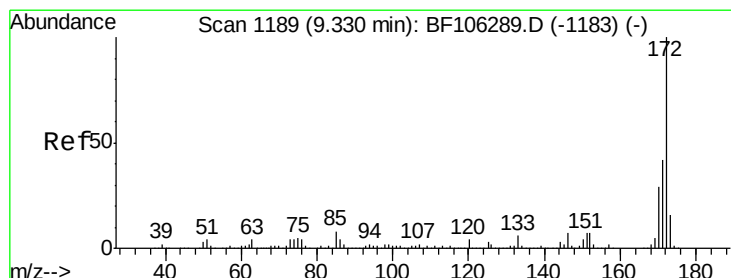
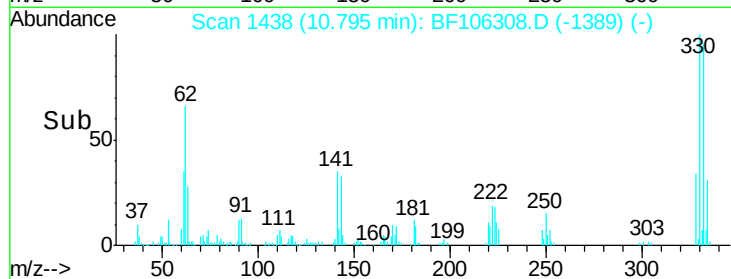
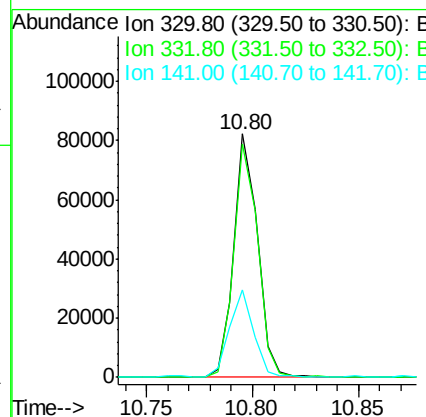
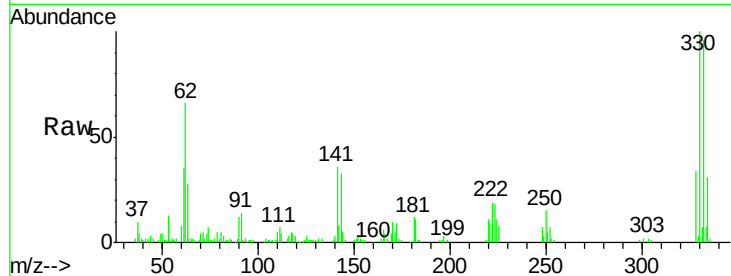
#41
 2,4,6-Tribromophenol
 Concen: 18.527 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

Instrument :
 BNA_F
 ClientSampled :
 TP-D-DB-1-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	63715		
332	97.3		77.0	115.6
141	37.3		29.9	44.9

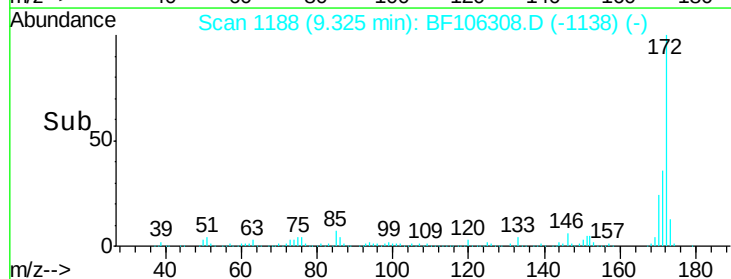
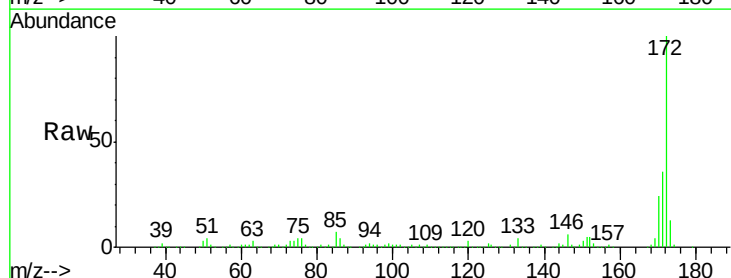
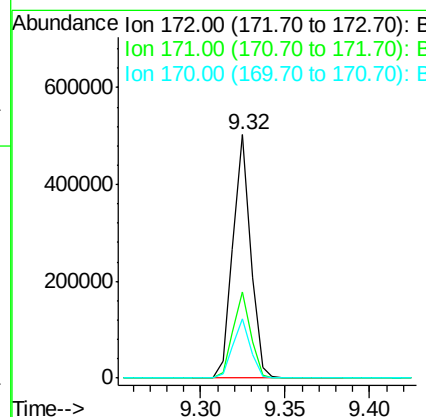
Manual Integrations
 APPROVED

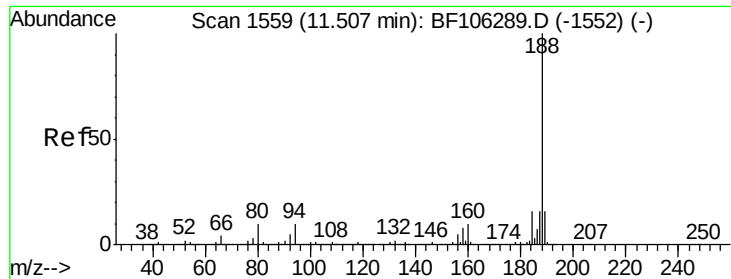
Sohil
 6/12/2018 12:58:27 PM



#44
 2-Fluorobiphenyl
 Concen: 8.674 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	369510		
171	35.6		29.7	44.5
170	24.2		19.6	29.4





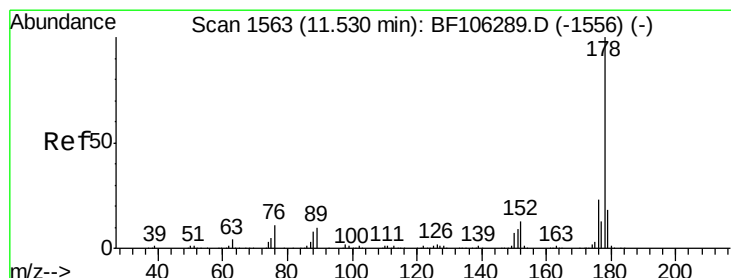
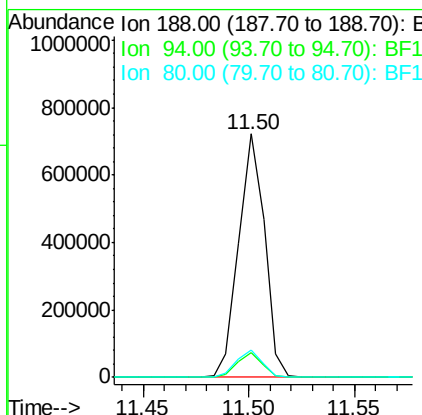
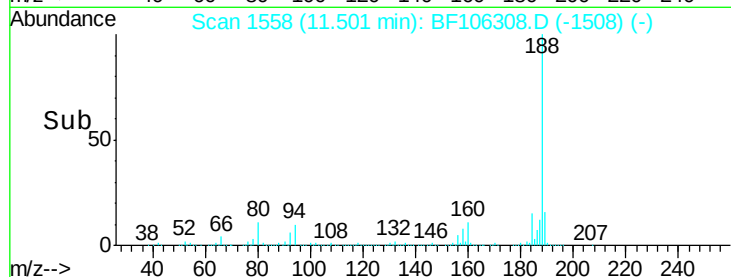
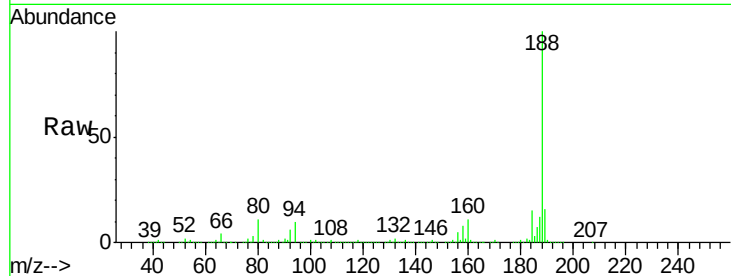
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :
TP-D-DB-1-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	613120		
94	10.2		8.5	12.7
80	11.2		9.2	13.8

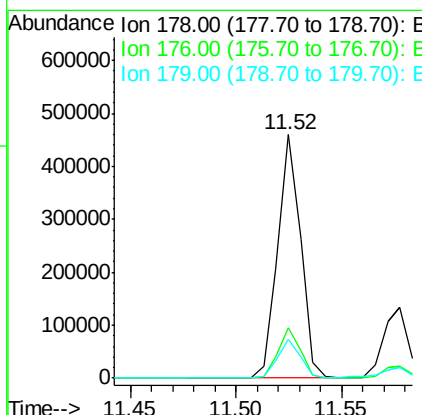
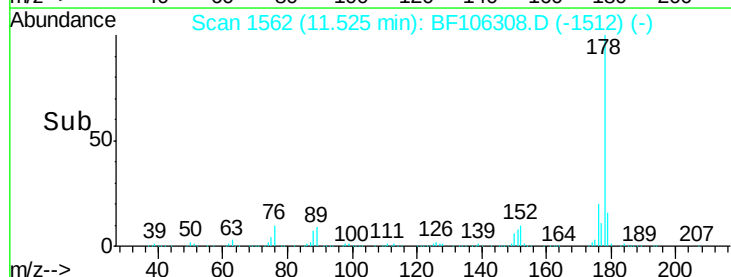
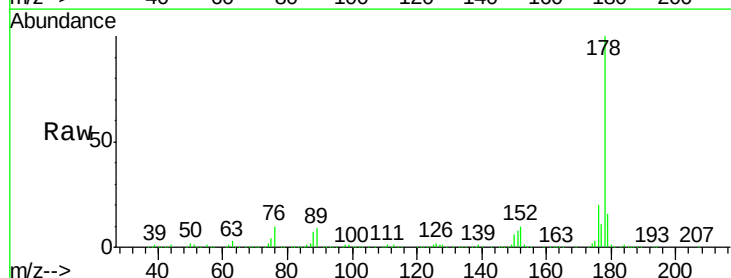
Manual Integrations
APPROVED

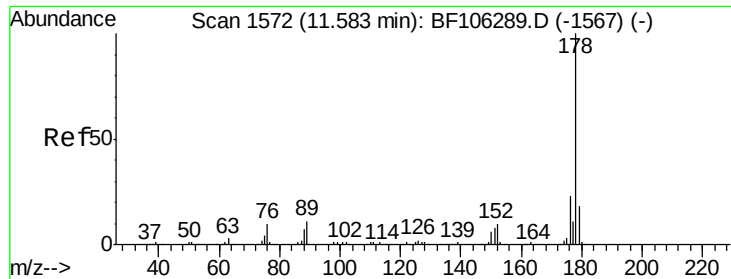
Sohil
6/12/2018 12:58:27 PM



#70
Phenanthrene
Concen: 11.563 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	347198		
176	20.4		15.8	23.8
179	15.7		13.0	19.6





#71

Anthracene

Concen: 3.589 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

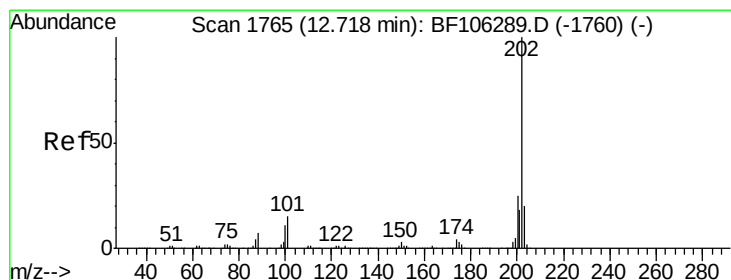
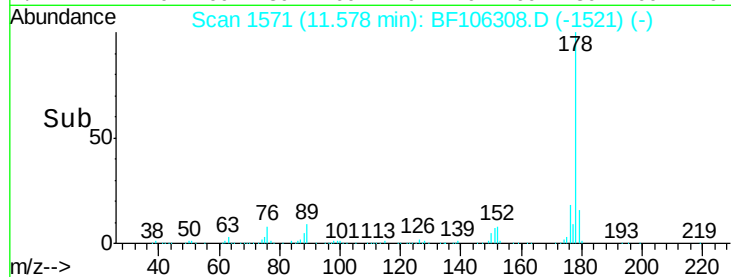
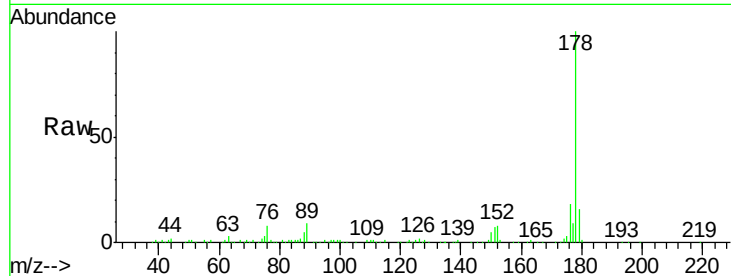
ClientSampleId :

TP-D-DB-1-2

Tot Ion:	178	Resp:	107970
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.4	23.2
179	15.6	12.6	19.0

Manual Integrations
APPROVED

Sohil
6/12/2018 12:58:27 PM



#74

Fluoranthene

Concen: 17.344 ng

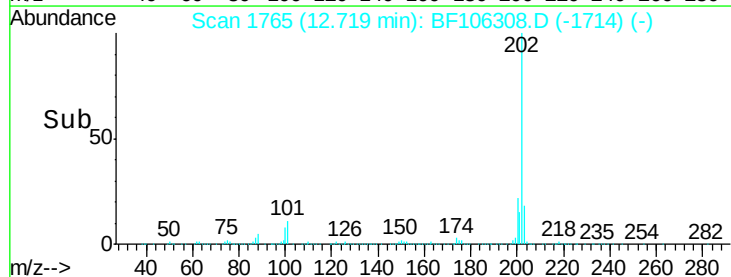
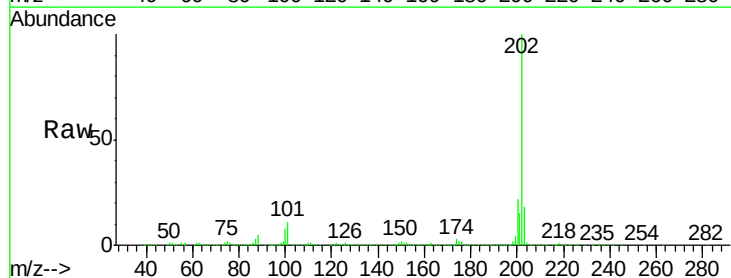
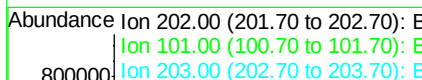
RT: 12.72 min Scan# 1765

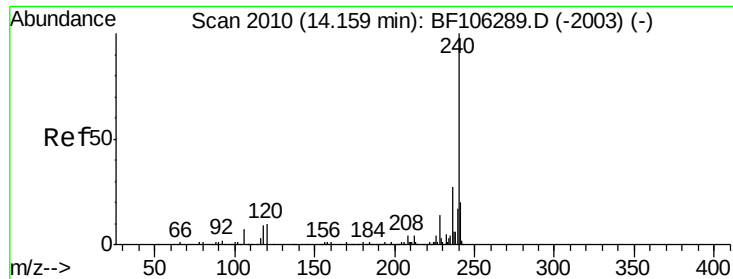
Delta R.T. 0.00 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Tgt Ion:	202	Resp:	555391
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

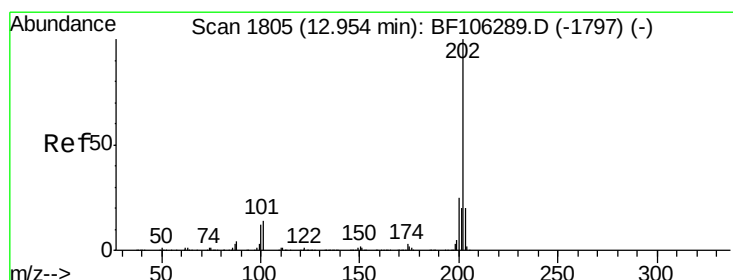
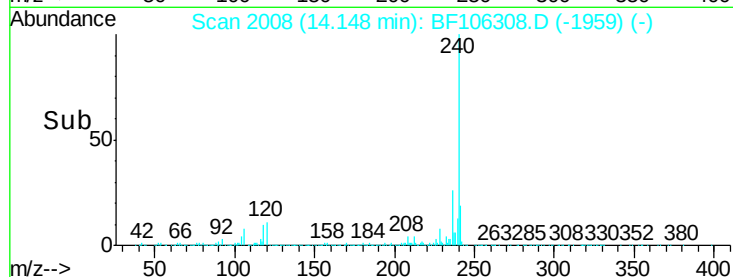
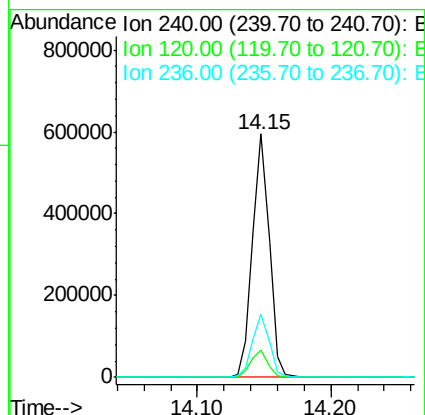
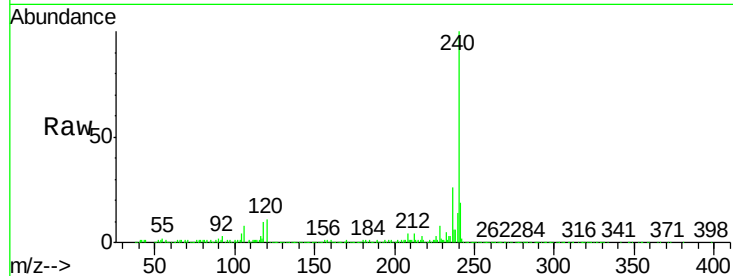
ClientSampleId :

TP-D-DB-1-2

Tot Ion:	240	Resp:	512216
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
APPROVED

Sohil
6/12/2018 12:58:27 PM



#77

Pyrene

Concen: 15.276 ng

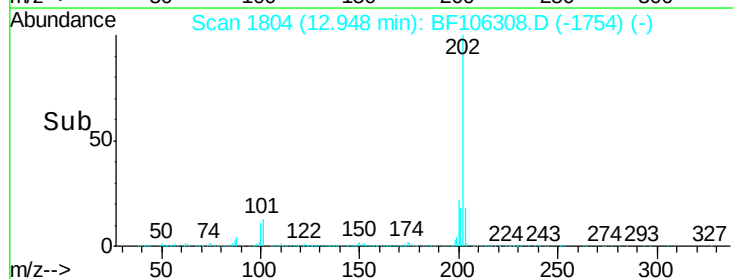
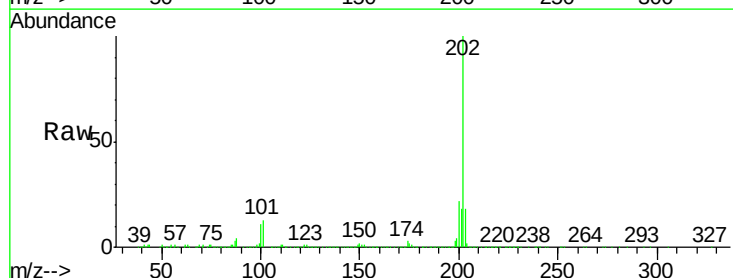
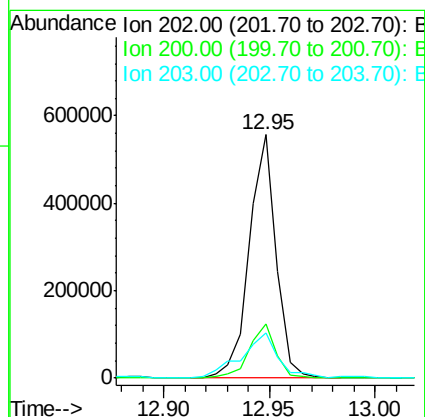
RT: 12.95 min Scan# 1804

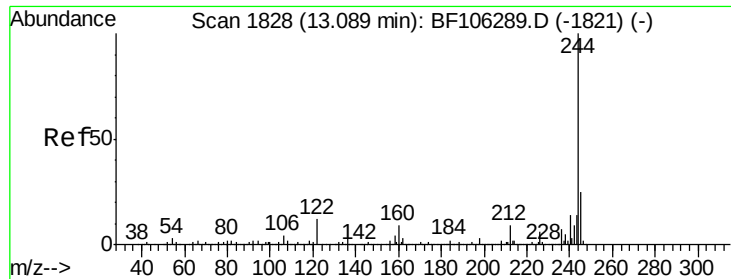
Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Tgt Ion:	202	Resp:	489877
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	18.4	14.3	21.5





#78

Terphenyl-d14

Concen: 15.410 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

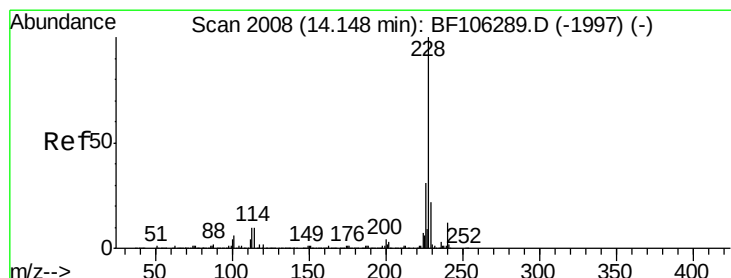
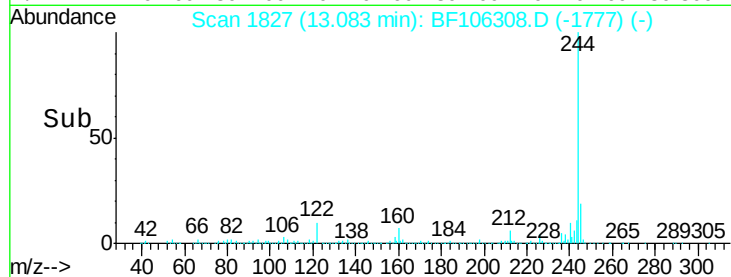
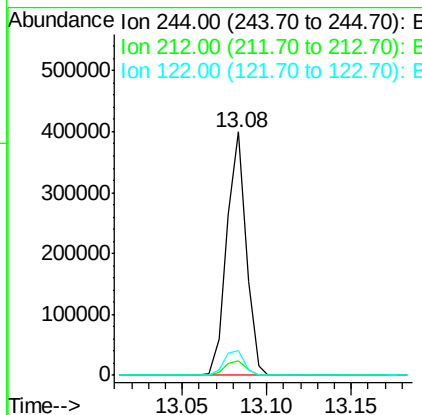
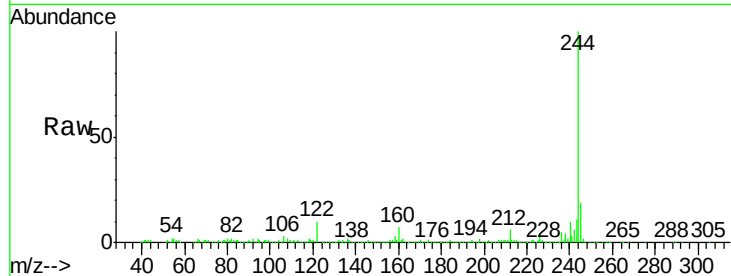
ClientSampleId :

TP-D-DB-1-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	10.1	11.0	16.4

Manual Integrations
APPROVED

Sohil
6/12/2018 12:58:27 PM



#80

Benzo(a)anthracene

Concen: 8.684 ng

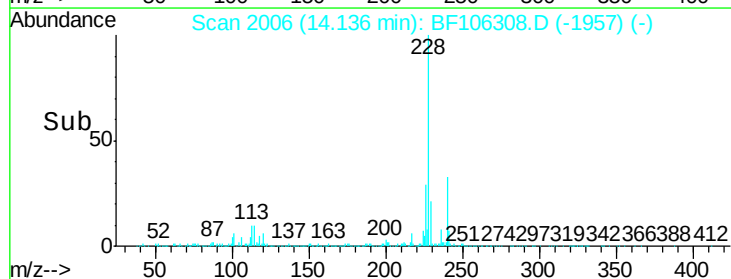
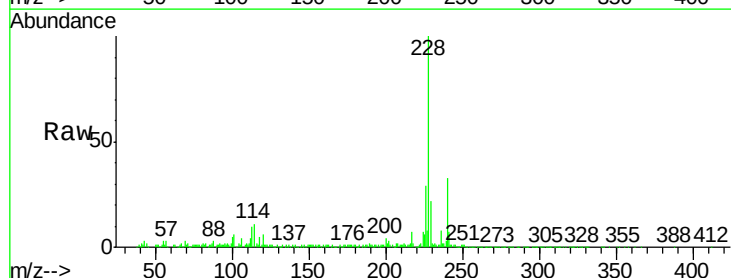
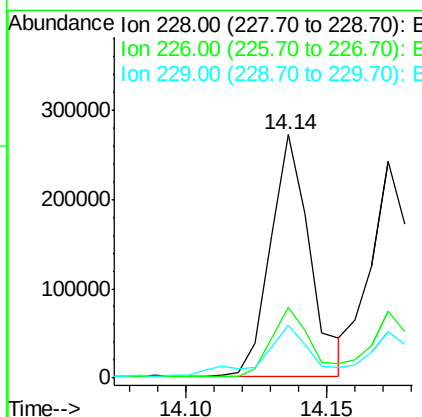
RT: 14.14 min Scan# 2006

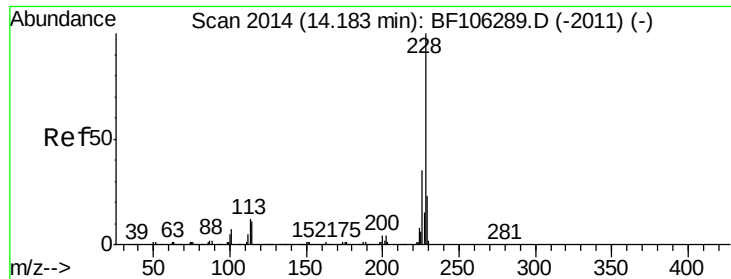
Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.6	15.8	23.6





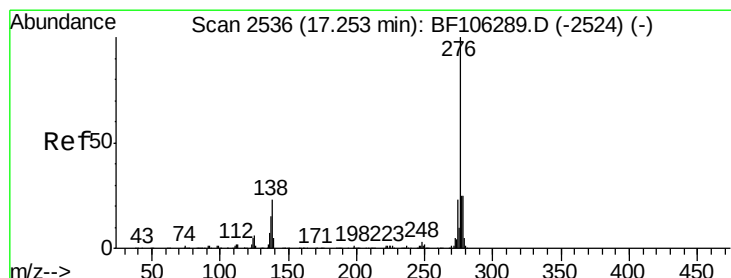
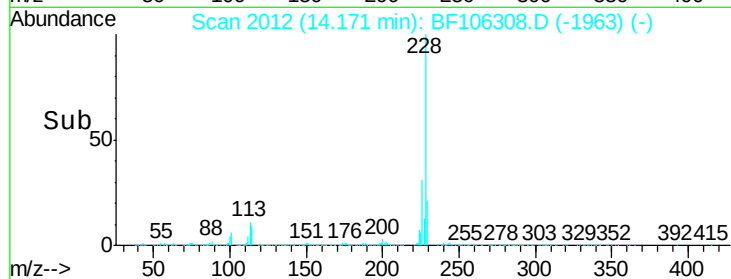
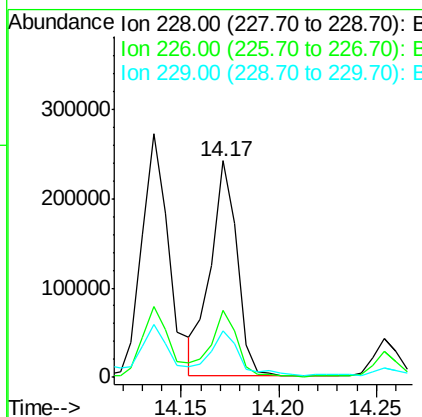
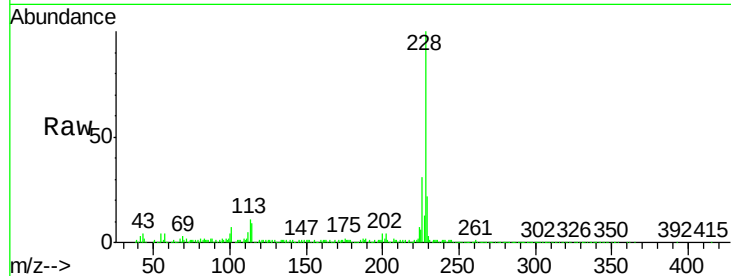
#82
Chrysene
Concen: 8.165 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :
TP-D-DB-1-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.8	16.2	24.4

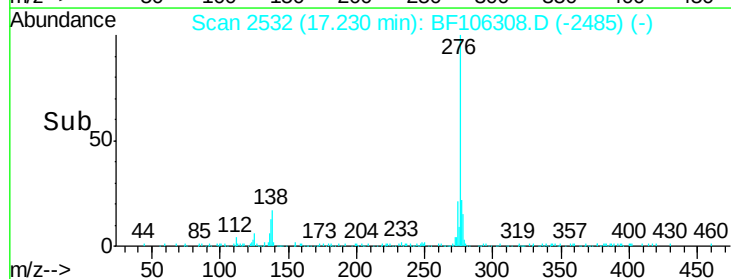
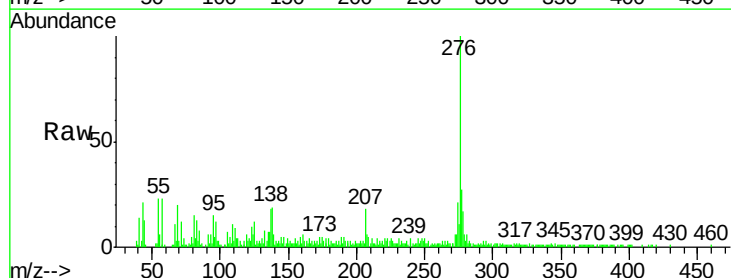
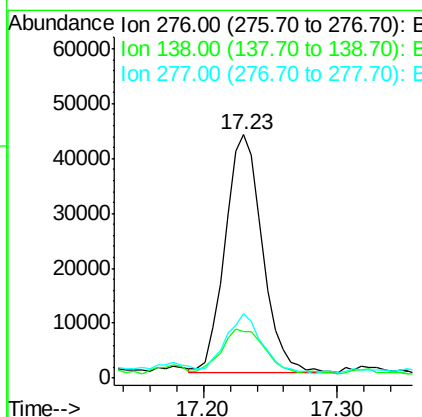
Manual Integrations
APPROVED

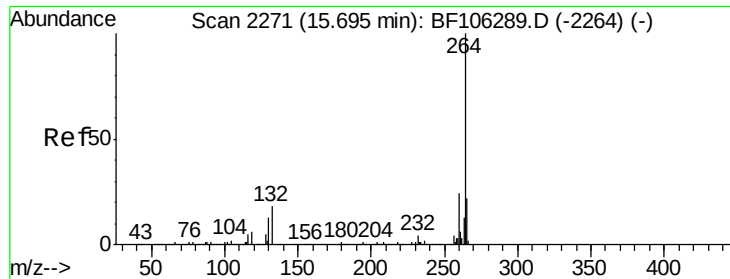
Sohil
6/12/2018 12:58:27 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.808 ng
RT: 17.23 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	25.1	20.1	30.1





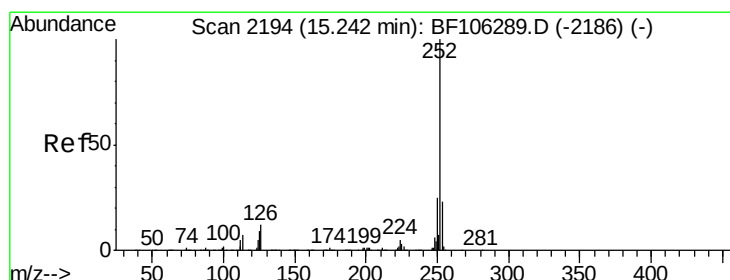
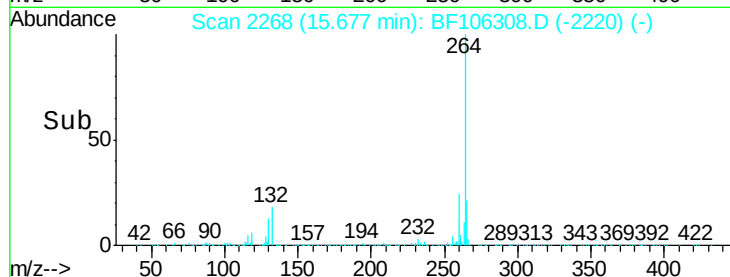
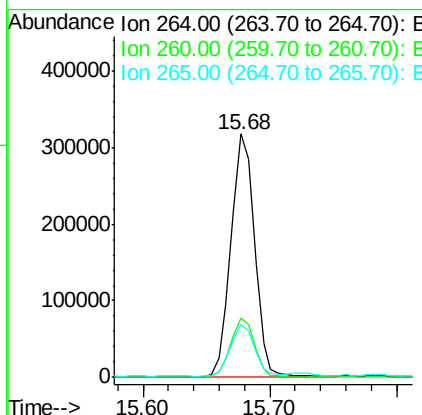
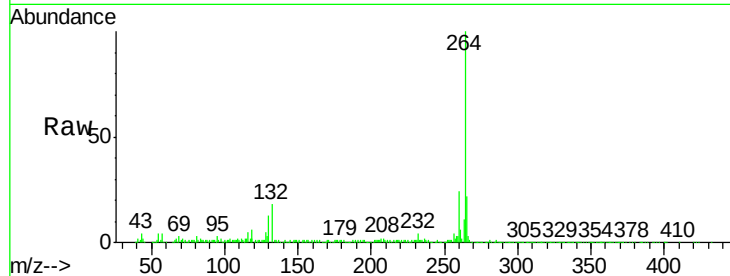
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampled :
TP-D-DB-1-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.5	26.3

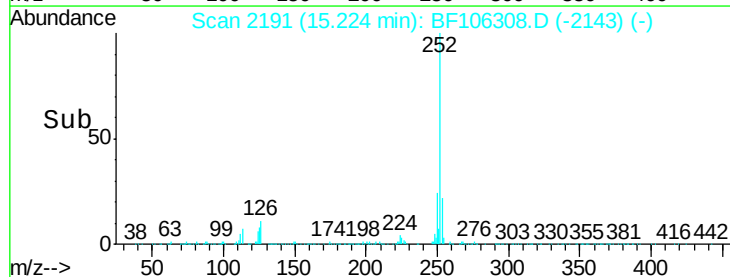
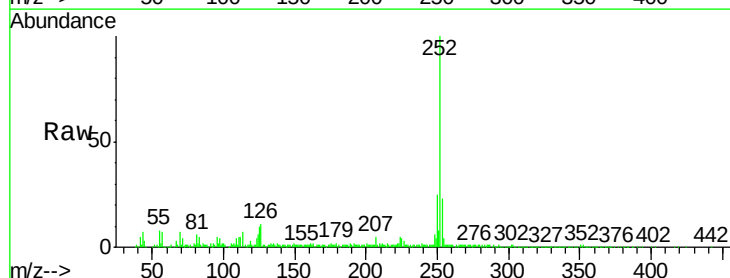
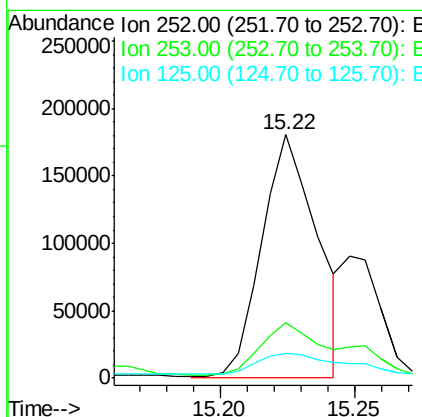
Manual Integrations
APPROVED

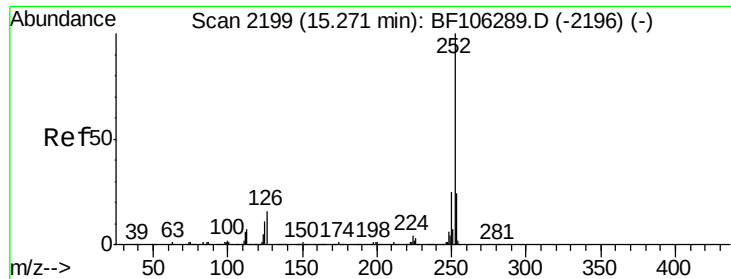
Sohil
6/12/2018 12:58:27 PM



#87
Benzo(b)fluoranthene
Concen: 10.559 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.2	9.0	13.6





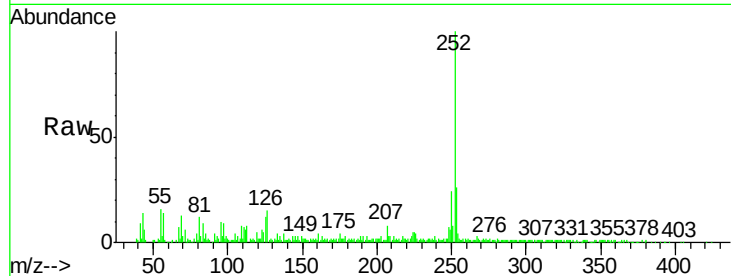
#88
Benzo(k)fluoranthene
Concen: 3.810 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :
TP-D-DB-1-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	11.9	10.2	15.2

Manual Integrations
APPROVED

Sohil
6/12/2018 12:58:27 PM

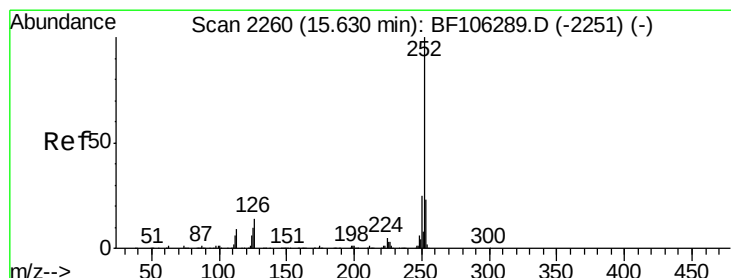
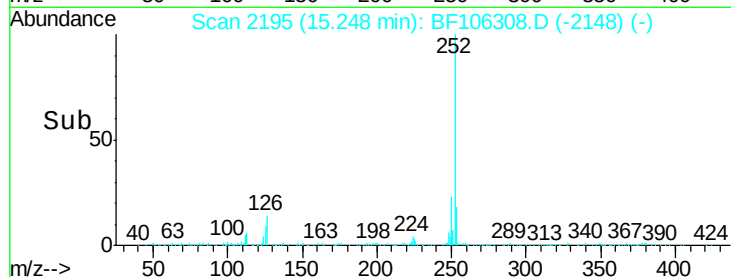
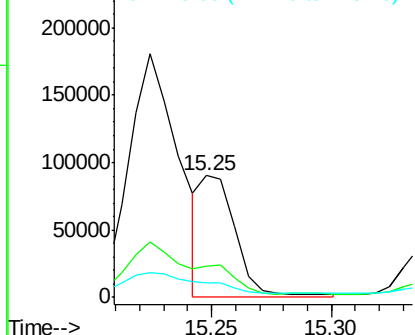


Abundance

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



#89
Benzo(a)pyrene
Concen: 8.124 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

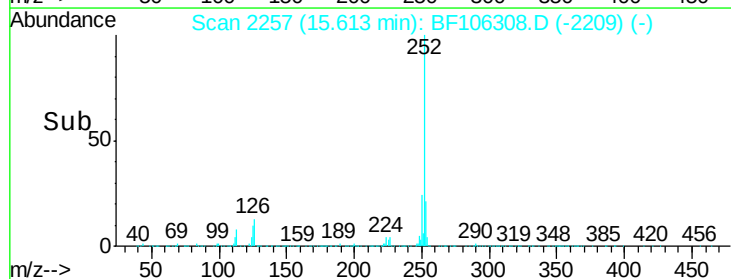
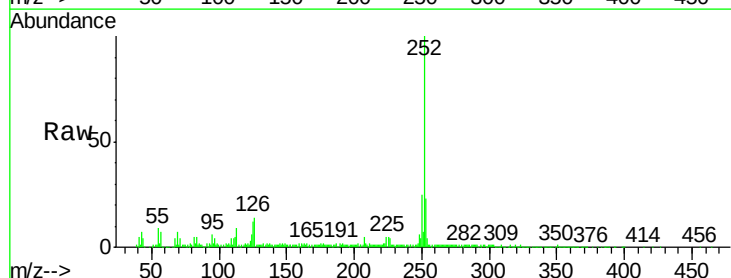
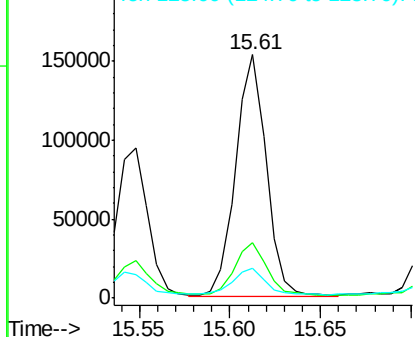
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	12.0	9.8	14.6

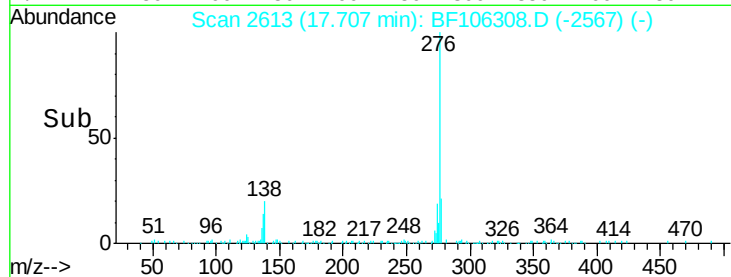
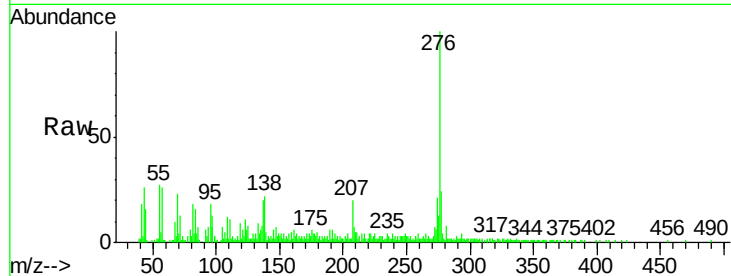
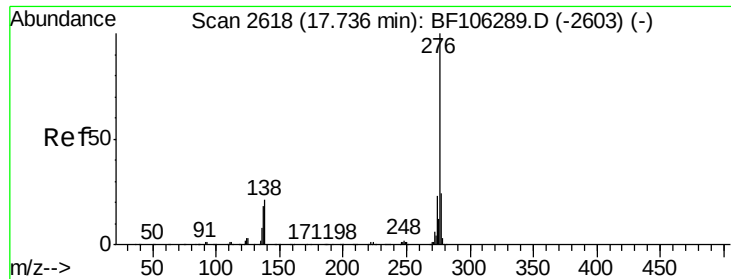
Abundance

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





#91
Benzo(a,h,i)perylene
Concen: 4.396 ng
RT: 17.71 min Scan# 2613
Delta R.T. -0.03 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :
TP-D-DB-1-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	21.9	21.8	32.8

Manual Integrations
APPROVED

Sohil
6/12/2018 12:58:27 PM

