

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102224.D
 Acq On : 19 Jan 2018 16:27
 Operator : SJ/JU
 Sample : J1200-08 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_W-N_5

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:24:23 PM

Quant Time: Jan 19 17:01:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	130585	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	530522	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	234475	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	366668	20.00	ng	0.00
75) Chrysene-d12	13.87	240	257291	20.00	ng	0.00
86) Perylene-d12	15.29	264	231188	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	50488	5.46	ng	-0.01
7) Phenol-d6	6.35	99	57542	5.22	ng	-0.02
23) Nitrobenzene-d5	7.28	82	34709	3.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	9565	4.67	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	60776	4.05	ng	-0.01
78) Terphenyl-d14	12.82	244	44999	3.63	ng	-0.01

Target Compounds					Qvalue	
31) Naphthalene	8.02	128	56606	2.135	ng	98
48) Acenaphthylene	9.62	152	112020	4.392	ng	99
70) Phenanthrene	11.26	178	278040	12.981	ng	98
71) Anthracene	11.31	178	127658	5.877	ng	97
74) Fluoranthene	12.45	202	562462	26.691	ng	98
77) Pyrene	12.68	202	491841	21.626	ng	99
80) Benzo(a)anthracene	13.86	228	294430m	17.936	ng	
82) Chrysene	13.90	228	243545	14.228	ng	99
85) Indeno(1,2,3-cd)pyrene	16.67	276	137998	11.077	ng	97
87) Benzo(b)fluoranthene	14.89	252	334632m	22.199	ng	
88) Benzo(k)fluoranthene	14.91	252	131756m	9.061	ng	
89) Benzo(a)pyrene	15.23	252	243927	17.982	ng	98
90) Dibenzo(a,h)anthracene	16.68	278	36899	3.409	ng	98
91) Benzo(g,h,i)perylene	17.09	276	121726	11.163	ng	98

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

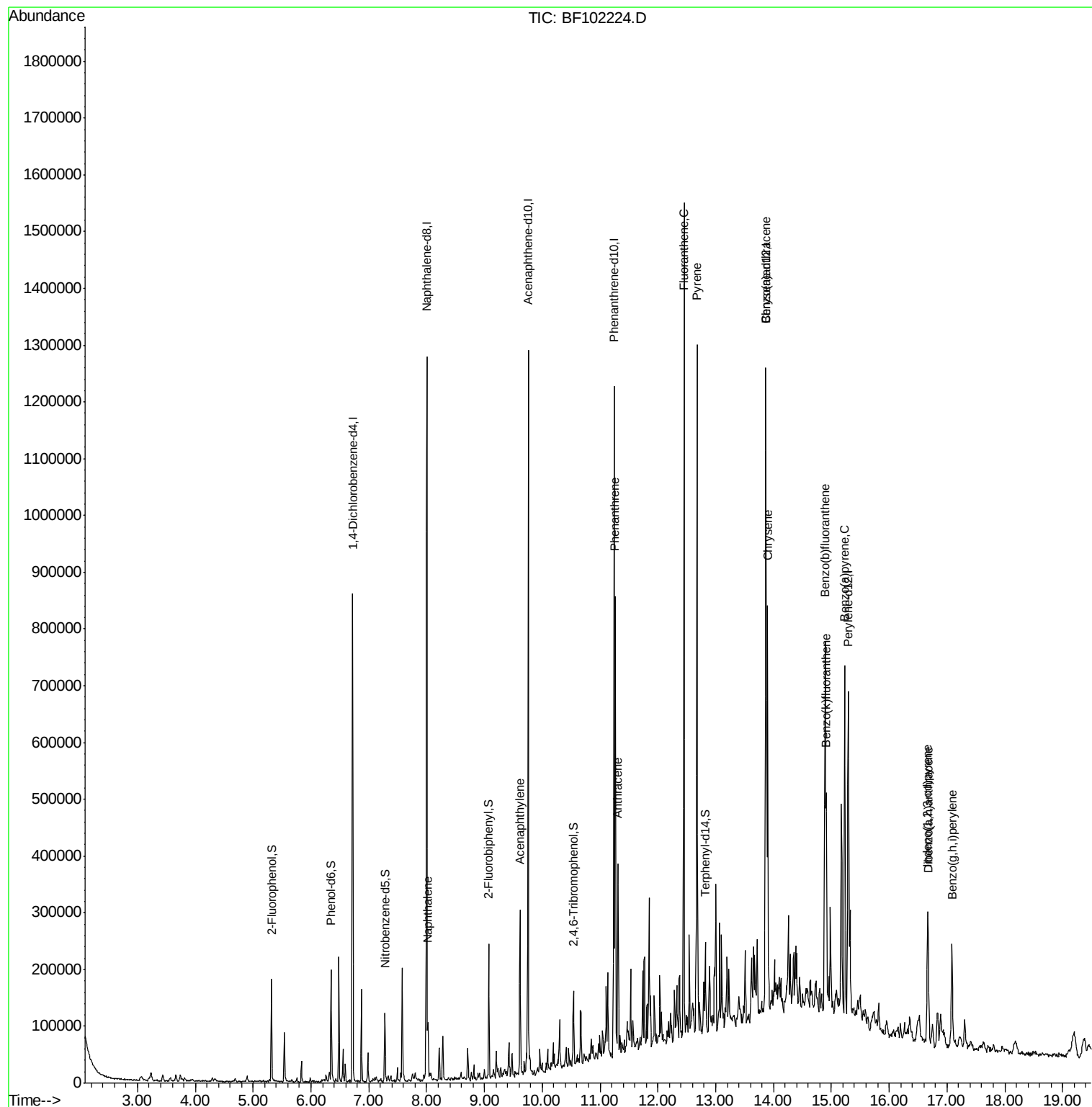
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102224.D
Acq On : 19 Jan 2018 16:27
Operator : SJ/JU
Sample : J1200-08 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

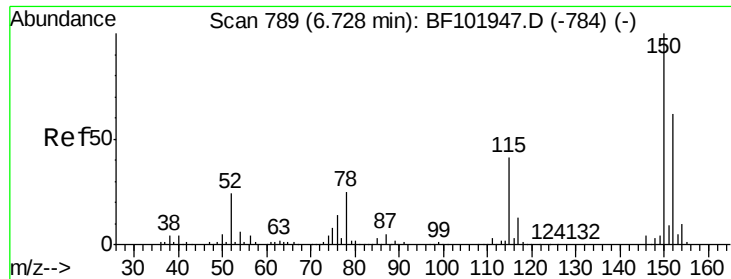
Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-N_5

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:23 PM

Quant Time: Jan 19 17:01:30 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 19 13:31:35 2018
Response via : Initial Calibration





#1

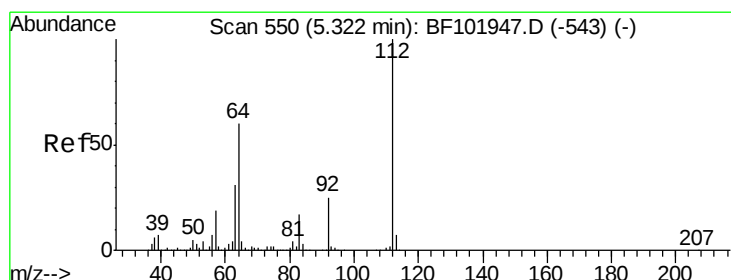
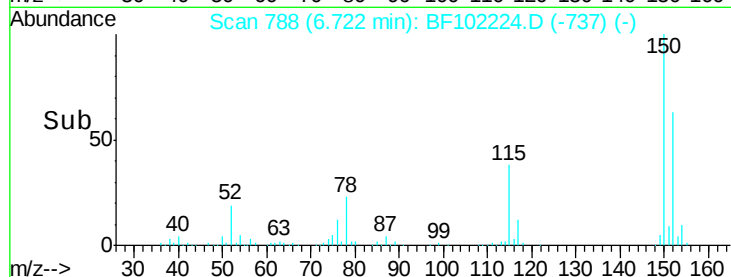
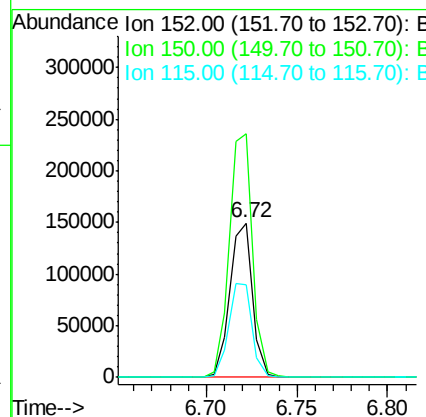
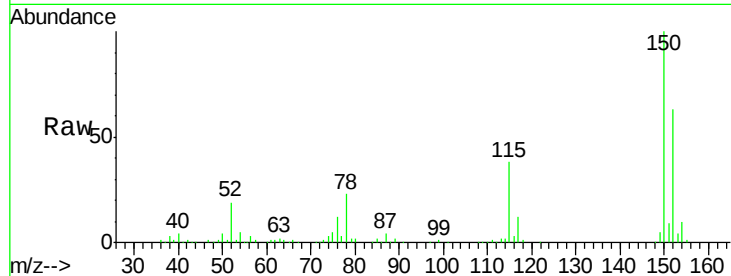
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF102224.D
 Acq: 19 Jan 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_W-N_5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.9	50.1	75.1

Manual Integrations
 APPROVED

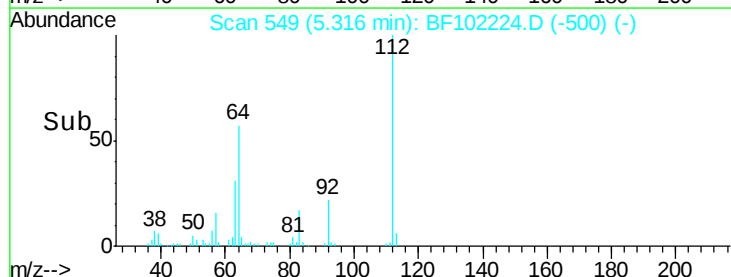
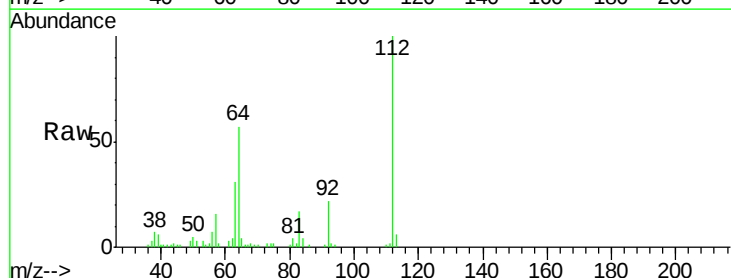
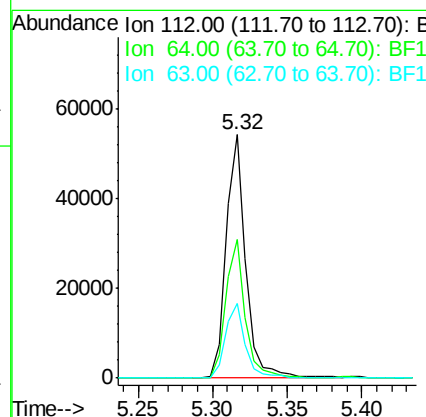
Sohil
 1/22/2018 5:24:23 PM

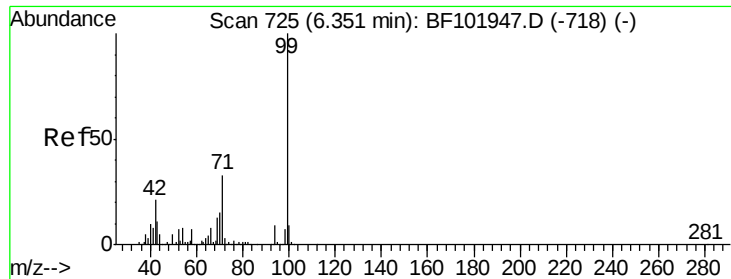


#5

2-Fluorophenol
 Concen: 5.460 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.01 min
 Lab File: BF102224.D
 Acq: 19 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	30.5	23.7	35.5





#7

Phenol-d6

Concen: 5.215 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102224.D

Acq: 19 Jan 2018 16:27

Instrument :

BNA_F

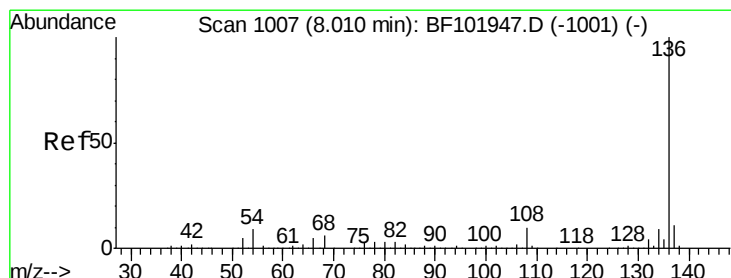
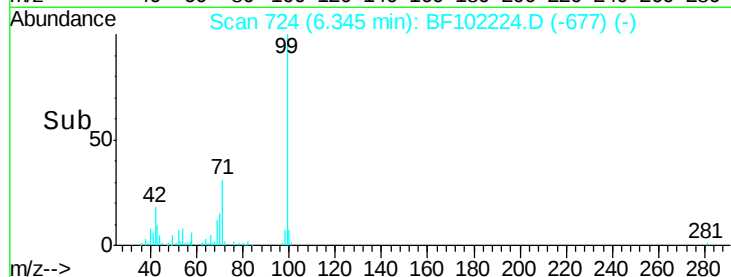
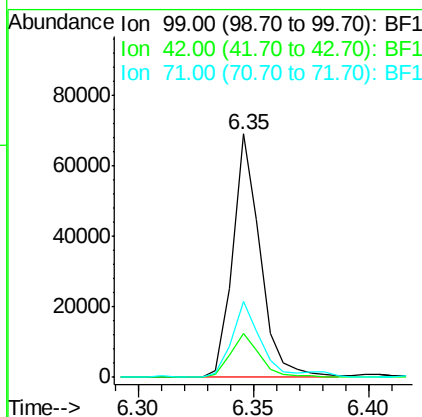
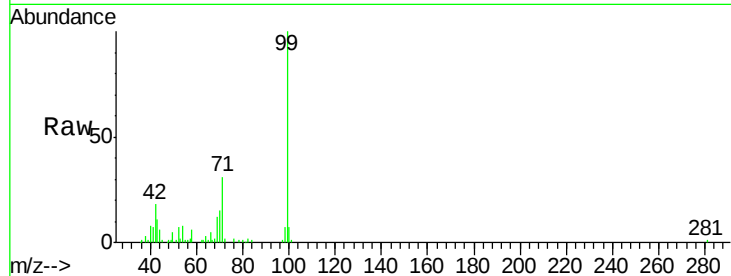
ClientSampleId :

A2_SB103_W-N_5

Tot Ion:	99	Resp:	57542
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.5	21.7
71	31.1	25.4	38.0

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:23 PM



#21

Naphthalene-d8

Concen: 20.000 ng

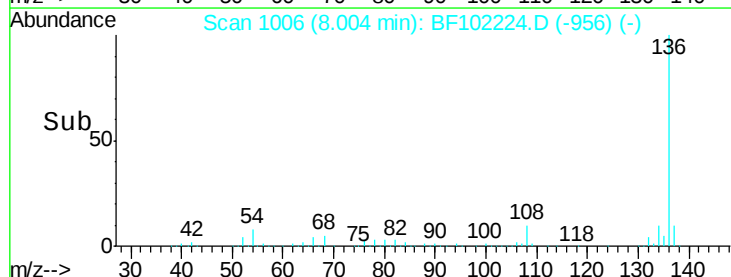
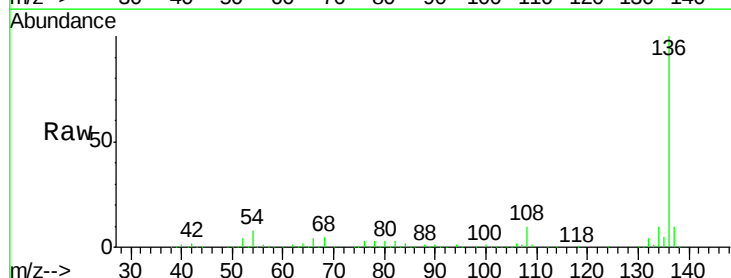
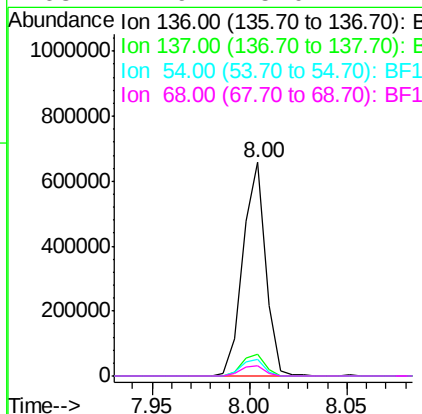
RT: 8.00 min Scan# 1006

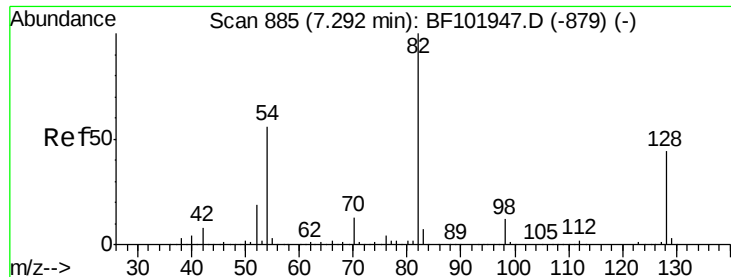
Delta R.T. -0.01 min

Lab File: BF102224.D

Acq: 19 Jan 2018 16:27

Tgt Ion:	136	Resp:	530522
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	7.6	6.6	9.8
68	4.9	5.0	7.4#





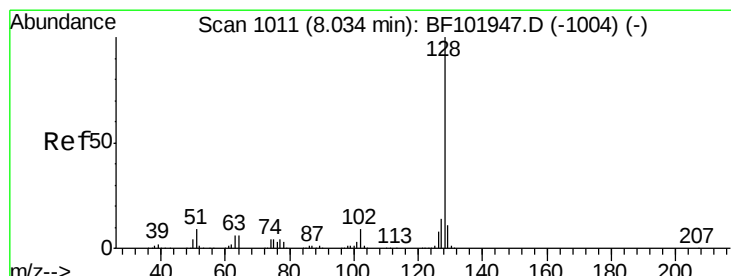
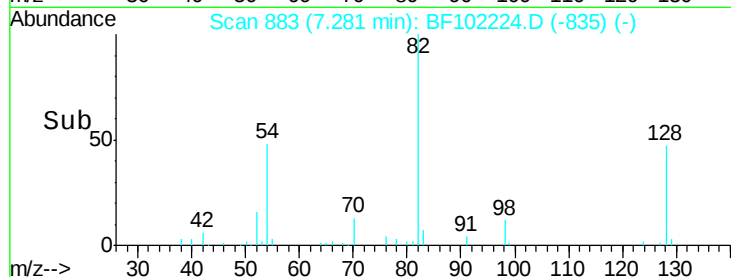
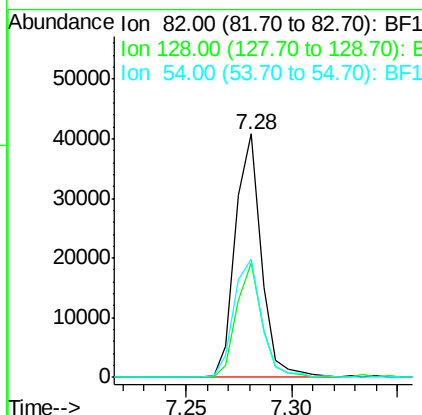
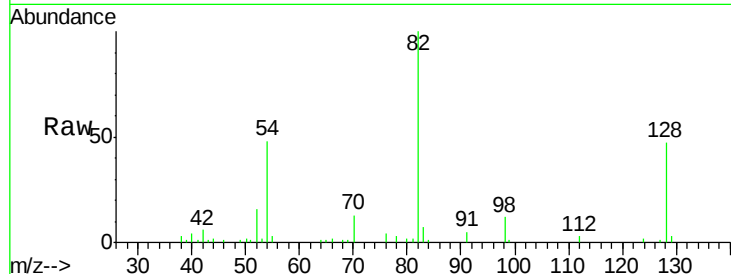
#23
Nitrobenzene-d5
Concen: 3.845 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-N_5

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	48.5	41.4	62.2

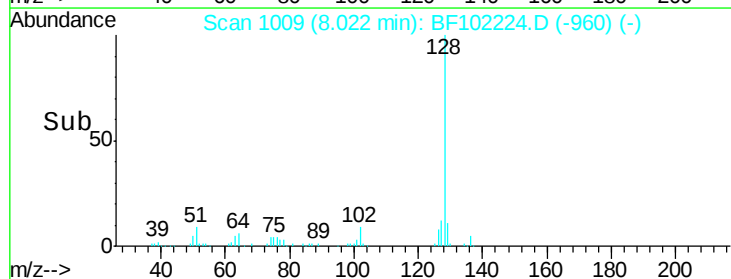
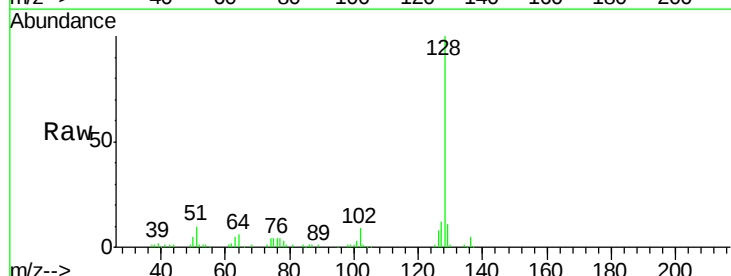
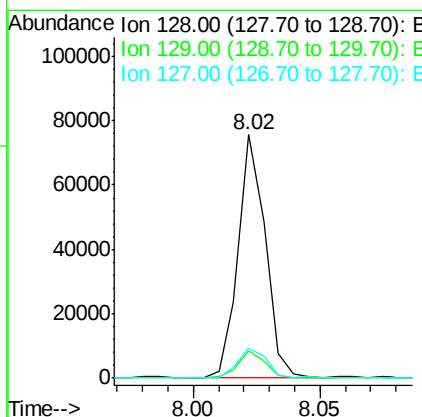
Manual Integrations
APPROVED

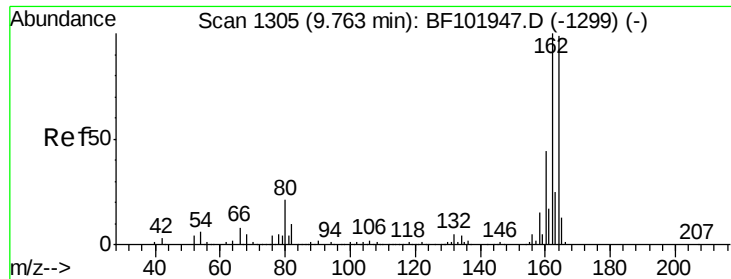
Sohil
1/22/2018 5:24:23 PM



#31
Naphthalene
Concen: 2.135 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.3	10.9	16.3





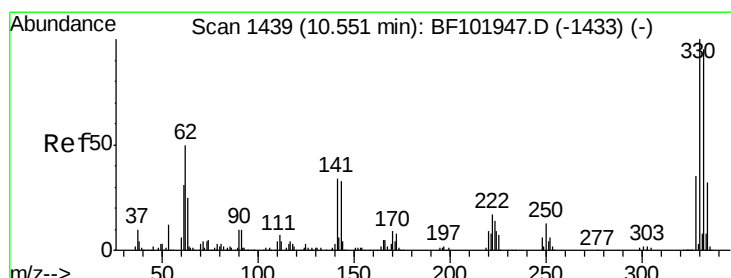
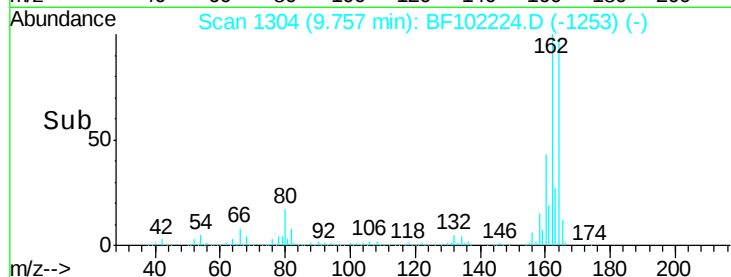
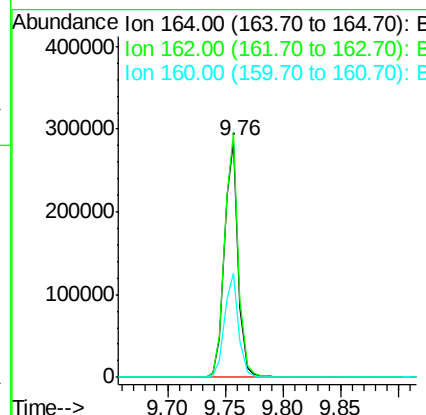
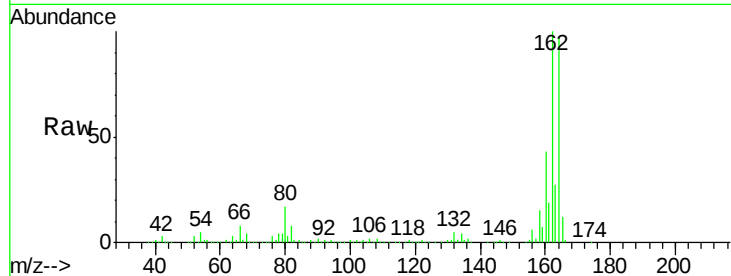
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-N_5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	234475		
162	102.9	86.1	129.1	
160	44.0	38.3	57.5	

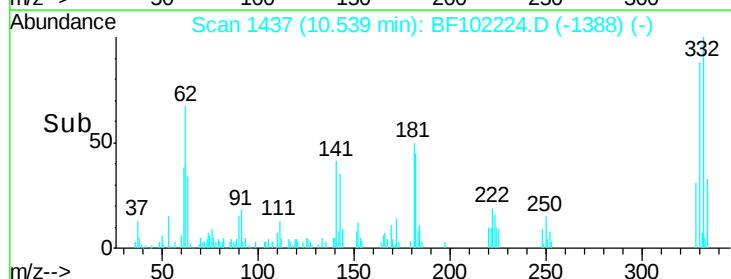
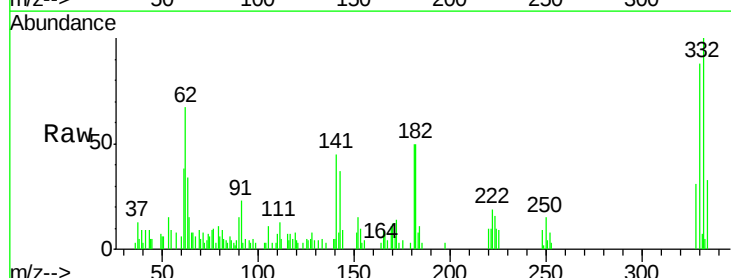
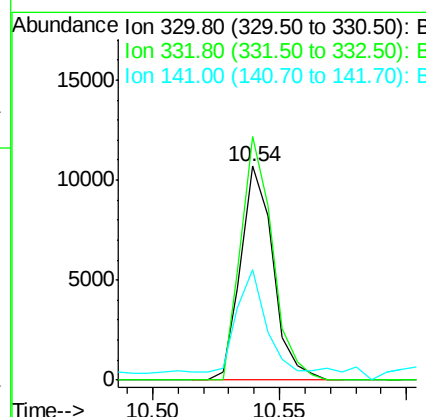
Manual Integrations
APPROVED

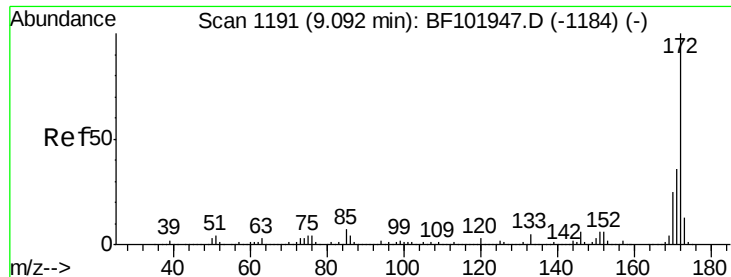
Sohil
1/22/2018 5:24:23 PM



#41
2,4,6-Tribromophenol
Concen: 4.674 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	9565		
332	111.0	77.0	115.6	
141	48.7	29.9	44.9#	





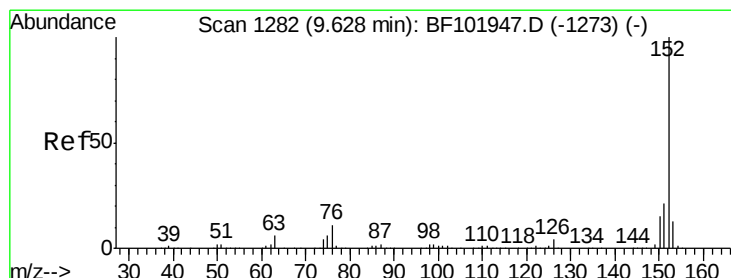
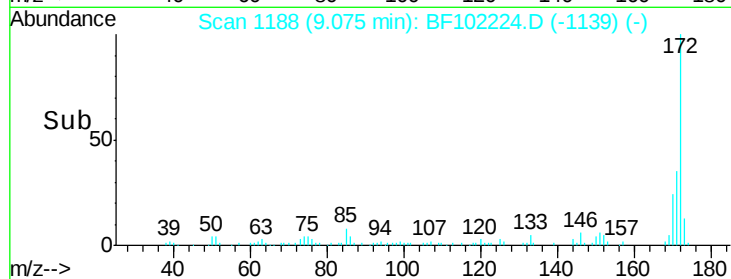
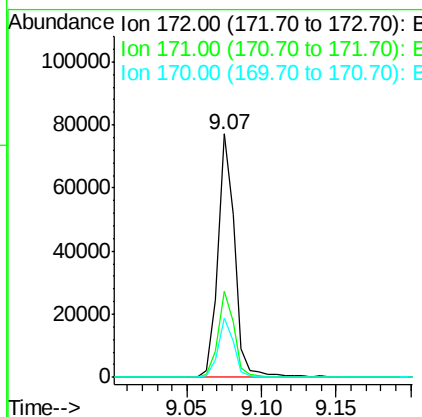
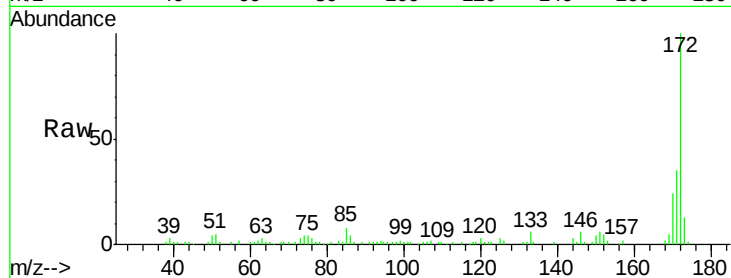
#44
2-Fluorobiphenyl
Concen: 4.049 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-N_5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.1	19.6	29.4

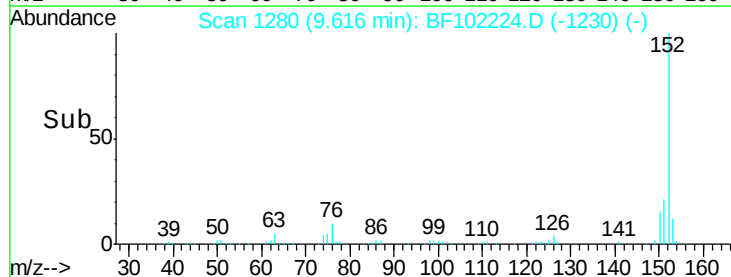
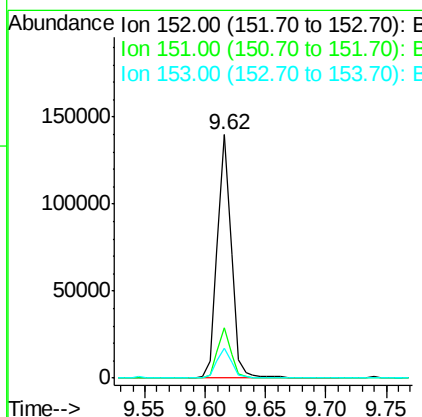
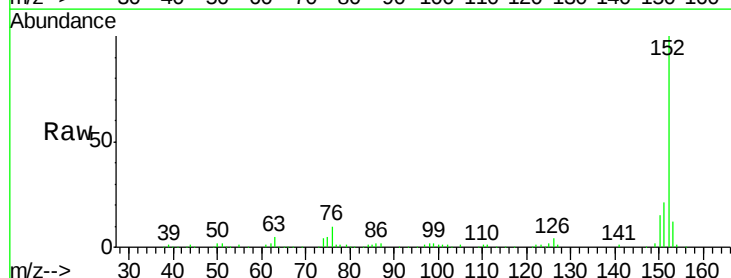
Manual Integrations
APPROVED

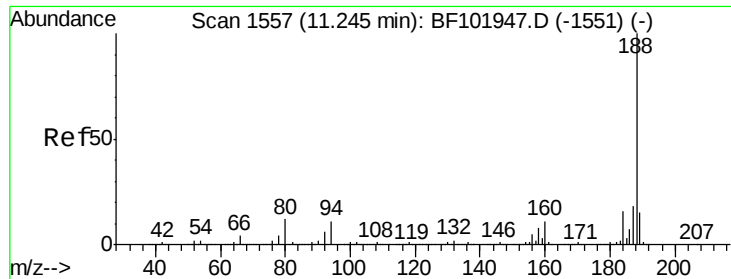
Sohil
1/22/2018 5:24:23 PM



#48
Acenaphthylene
Concen: 4.392 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	12.4	10.7	16.1





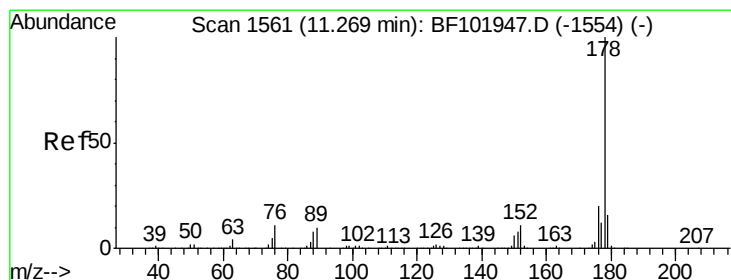
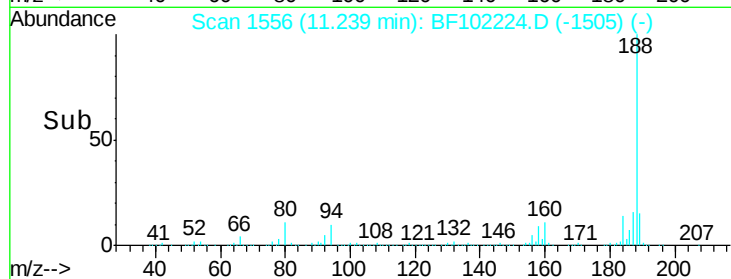
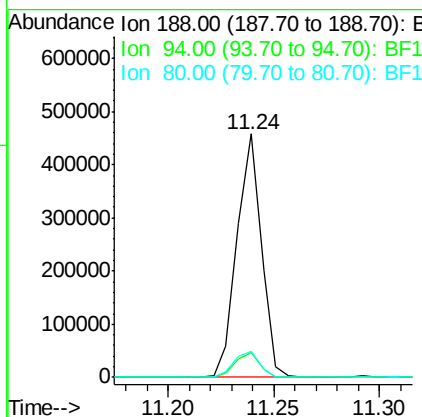
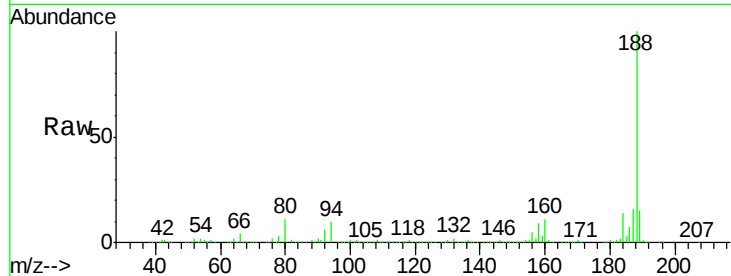
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-N_5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	366668		
94	10.2		8.5	12.7
80	10.8		9.2	13.8

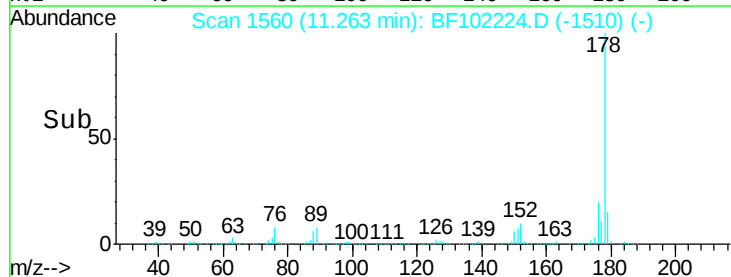
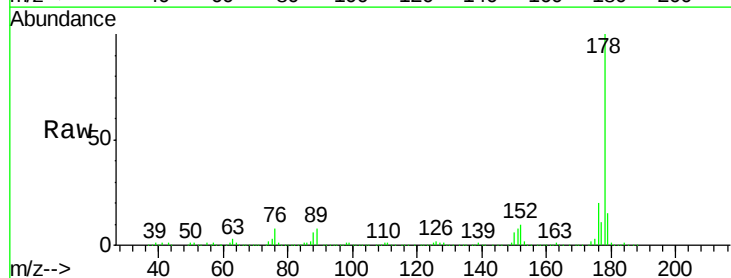
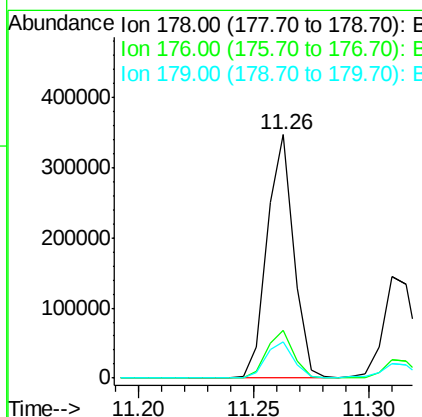
Manual Integrations
APPROVED

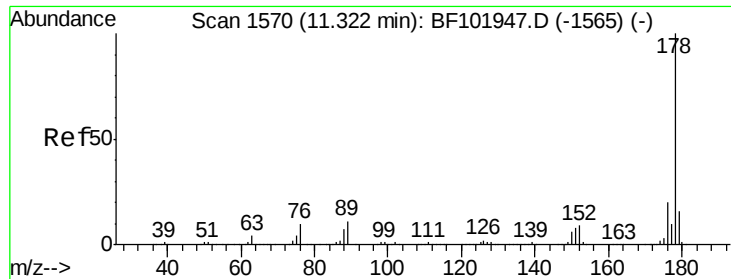
Sohil
1/22/2018 5:24:23 PM



#70
Phenanthrene
Concen: 12.981 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	278040		
176	19.9		15.8	23.8
179	14.8		13.0	19.6





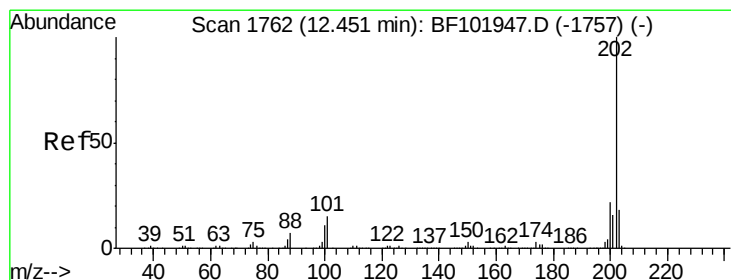
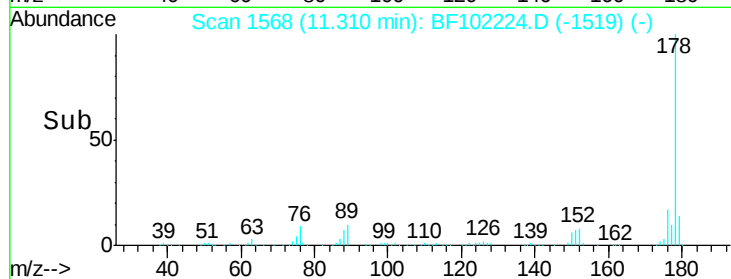
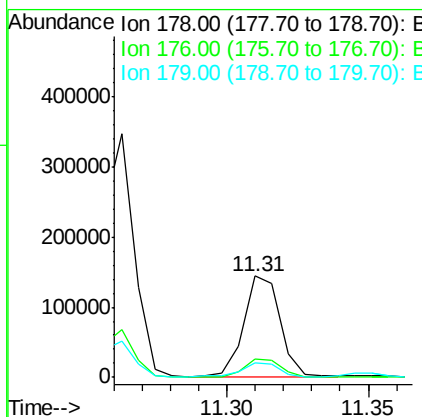
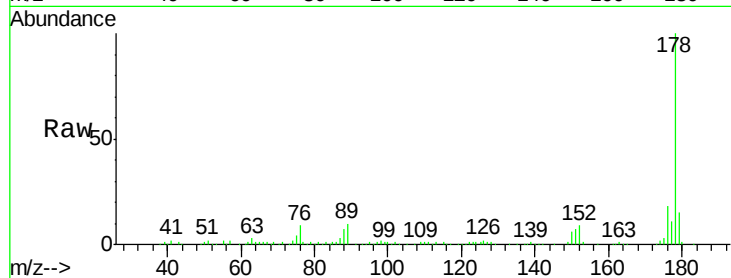
#71
 Anthracene
 Concen: 5.877 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102224.D
 Acq: 19 Jan 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_W-N_5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	14.7	12.6	19.0

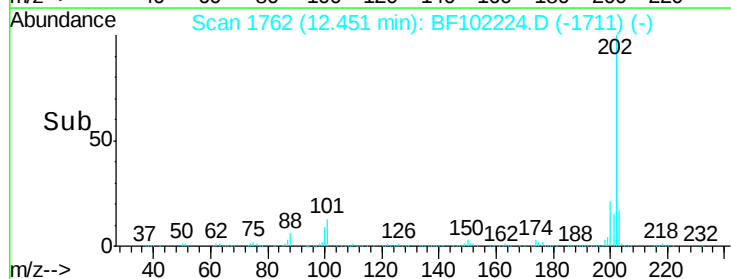
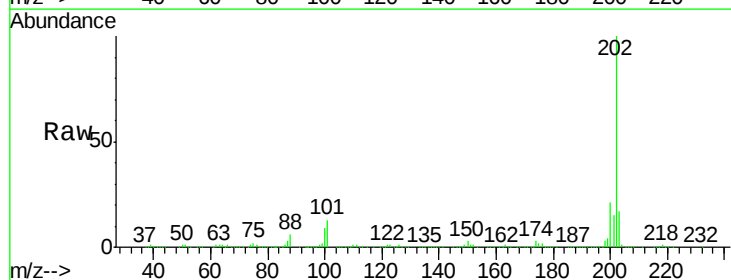
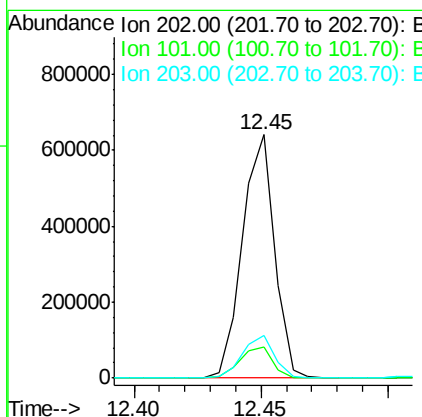
Manual Integrations
 APPROVED

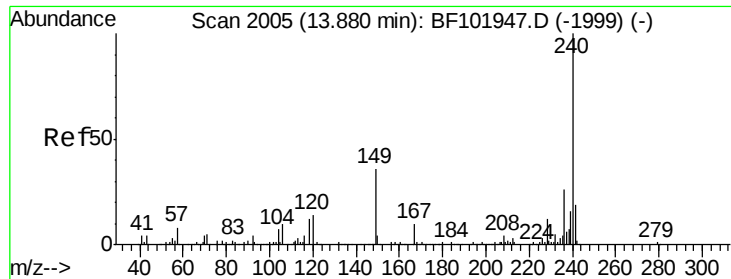
Sohil
 1/22/2018 5:24:23 PM



#74
 Fluoranthene
 Concen: 26.691 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102224.D
 Acq: 19 Jan 2018 16:27

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102224.D

Acq: 19 Jan 2018 16:27

Instrument :

BNA_F

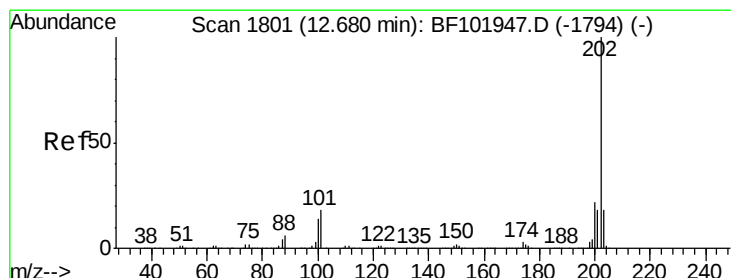
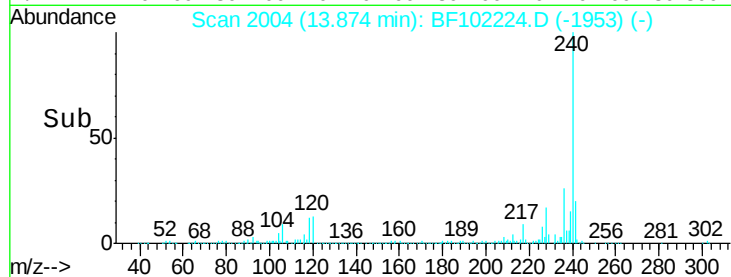
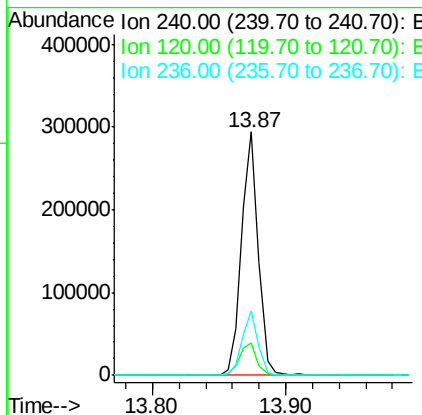
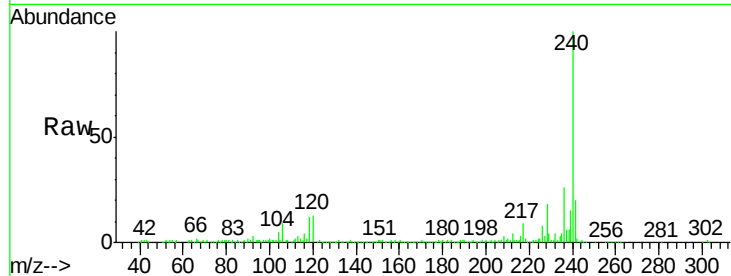
ClientSampleId :

A2_SB103_W-N_5

Tot Ion:	240	Resp:	257291
Ion Ratio	Lower	Upper	
240	100		
120	13.1	9.5	14.3
236	26.4	20.7	31.1

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:23 PM



#77

Pyrene

Concen: 21.626 ng

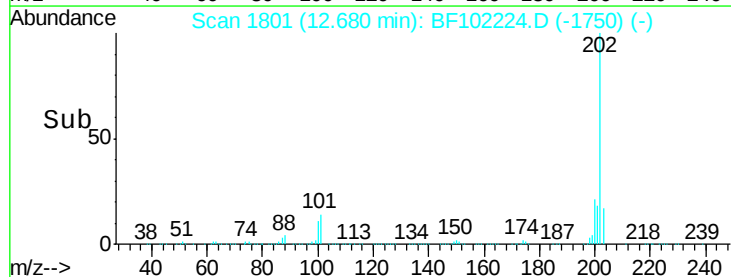
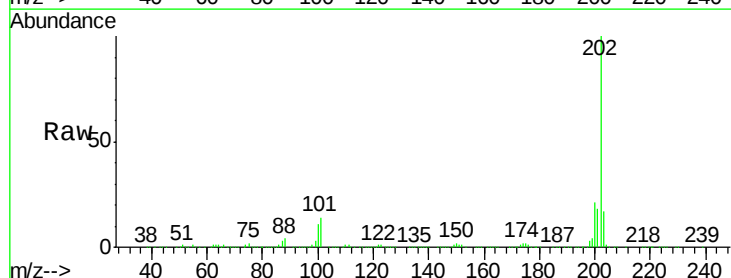
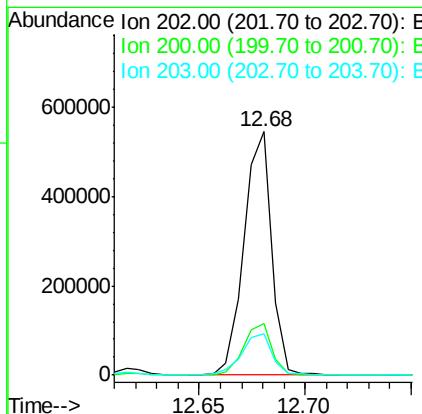
RT: 12.68 min Scan# 1801

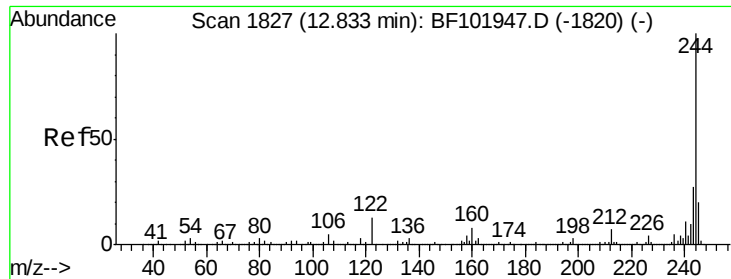
Delta R.T. 0.00 min

Lab File: BF102224.D

Acq: 19 Jan 2018 16:27

Tgt Ion:	202	Resp:	491841
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.3	14.3	21.5





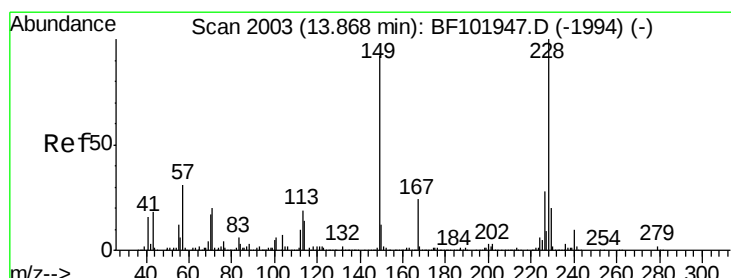
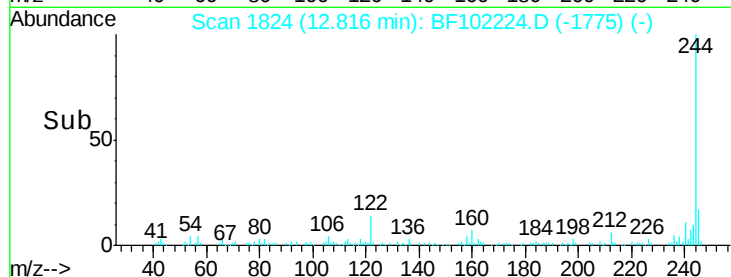
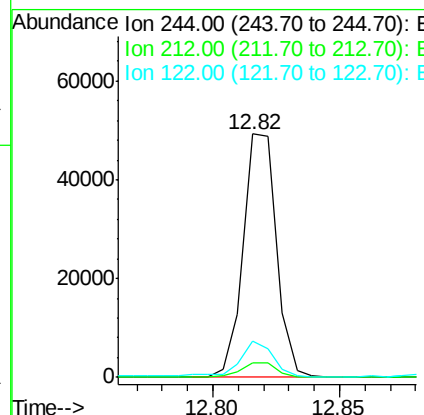
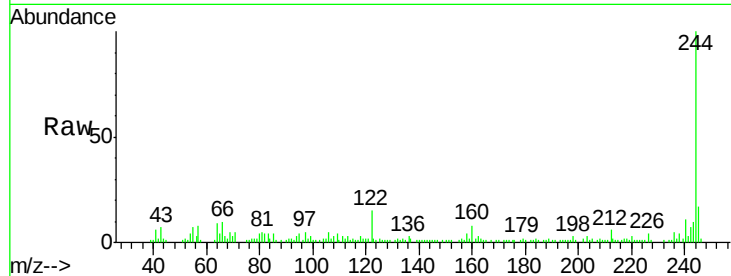
#78
 Terphenyl-d14
 Concen: 3.631 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102224.D
 Acq: 19 Jan 2018 16:27

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_W-N_5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	15.0	11.0	16.4

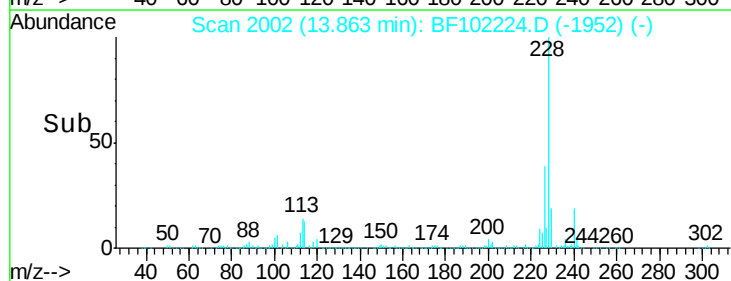
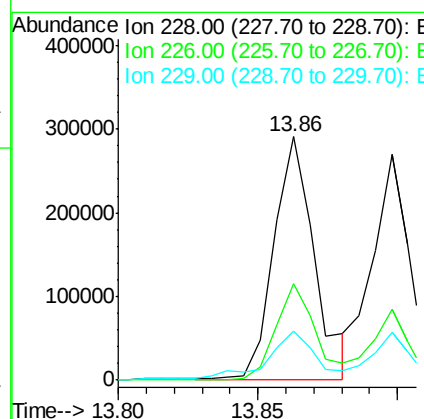
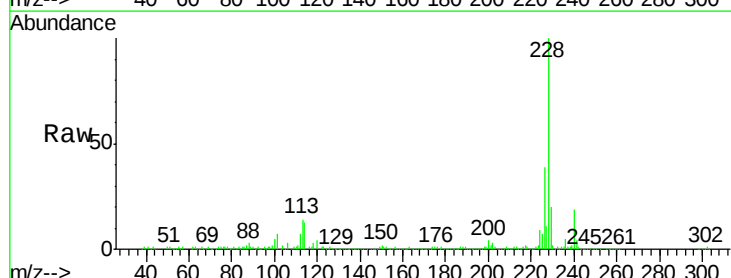
Manual Integrations
 APPROVED

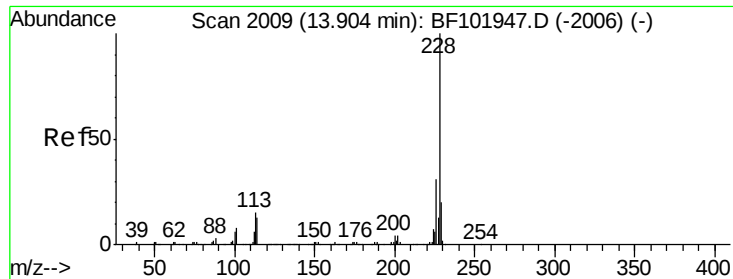
Sohil
 1/22/2018 5:24:23 PM



#80
 Benzo(a)anthracene
 Concen: 17.936 ng m
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102224.D
 Acq: 19 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.3	22.6	33.8#
229	20.2	15.8	23.6





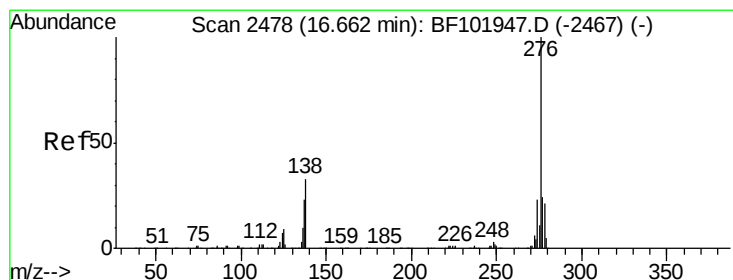
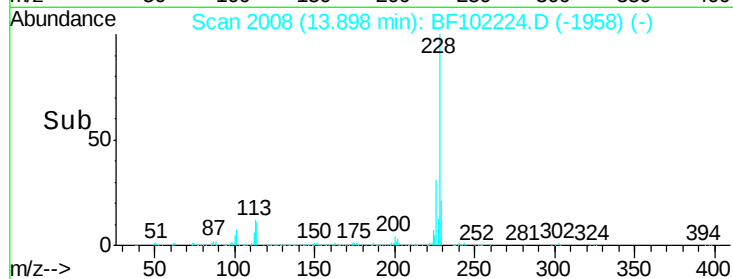
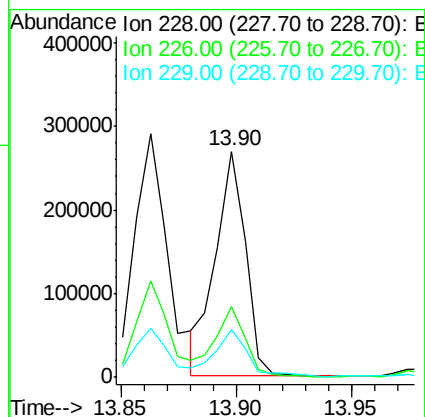
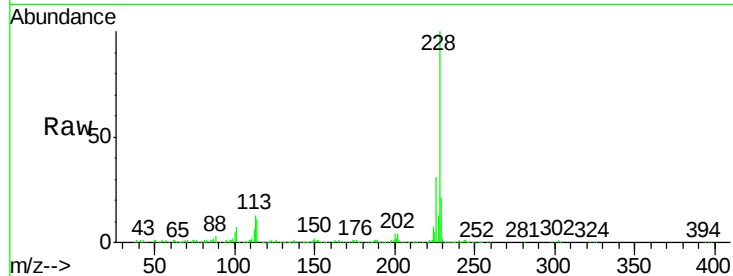
#82
Chrysene
Concen: 14.228 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-N_5

Tot Ion:	228	Resp:	243545
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	21.2	16.2	24.4

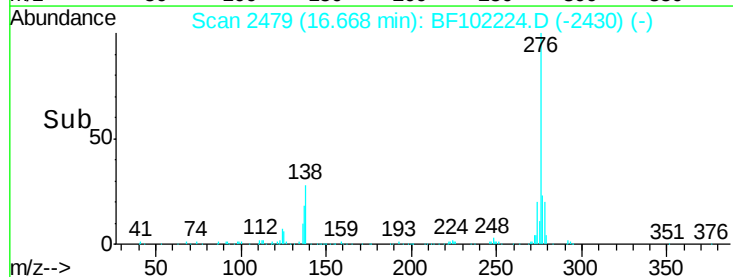
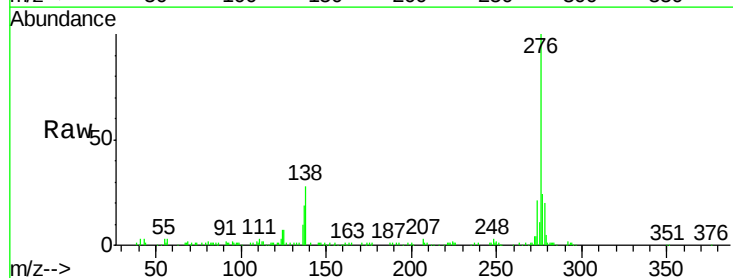
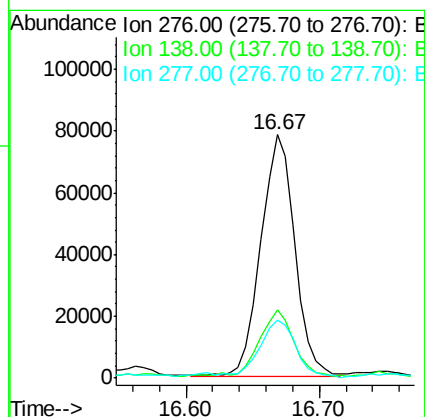
Manual Integrations
APPROVED

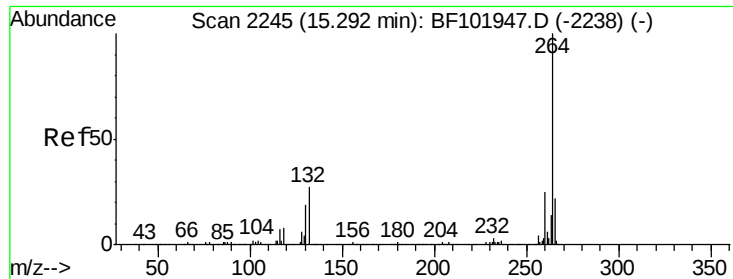
Sohil
1/22/2018 5:24:23 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.077 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Tgt Ion:	276	Resp:	137998
Ion Ratio	Lower	Upper	
276	100		
138	28.3	25.0	37.6
277	25.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BF102224.D

Acq: 19 Jan 2018 16:27

Instrument :

BNA_F

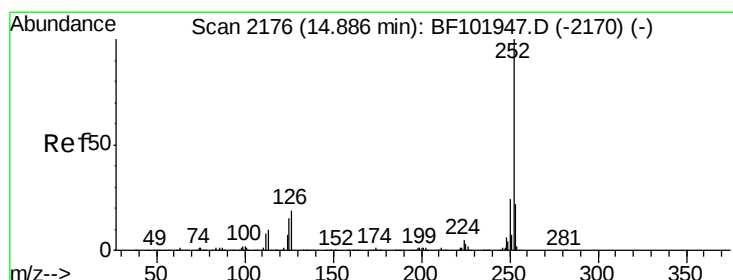
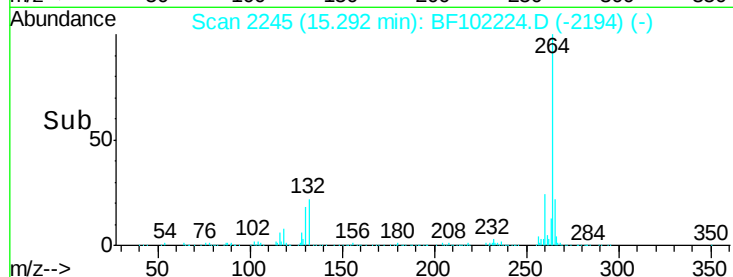
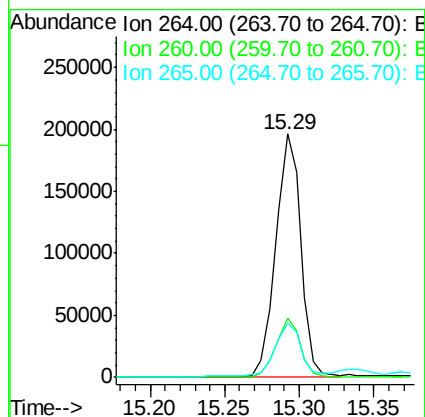
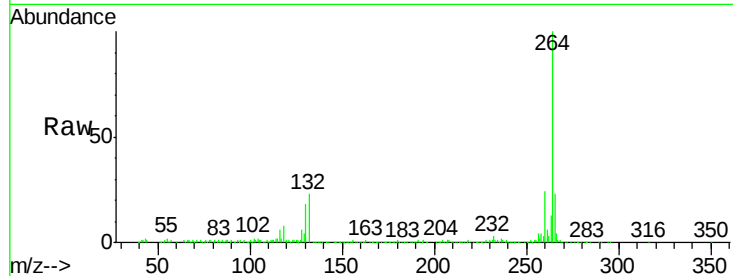
ClientSampleId :

A2_SB103_W-N_5

Tot Ion:	264	Resp:	231188
Ion Ratio		Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	17.5	26.3

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:23 PM



#87

Benzo(b)fluoranthene

Concen: 22.199 ng m

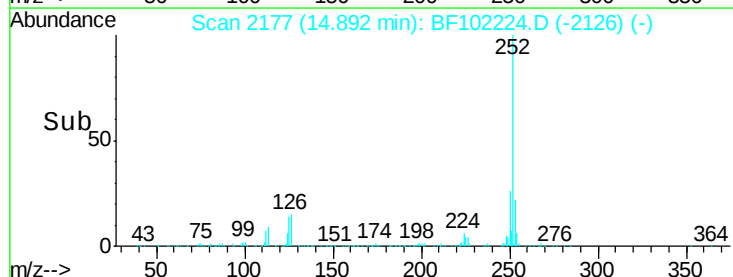
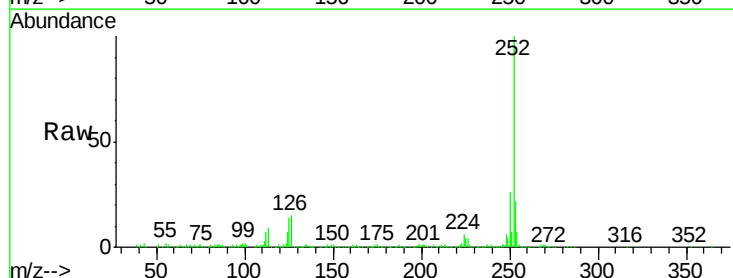
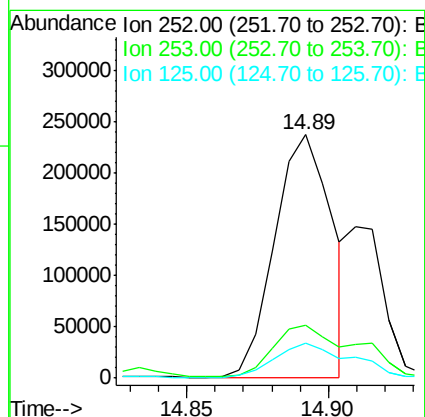
RT: 14.89 min Scan# 2177

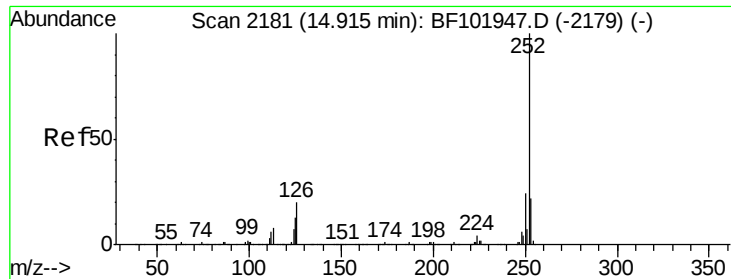
Delta R.T. 0.00 min

Lab File: BF102224.D

Acq: 19 Jan 2018 16:27

Tgt Ion:	252	Resp:	334632
Ion Ratio		Lower	Upper
252	100		
253	21.9	17.0	25.6
125	14.4	9.0	13.6#





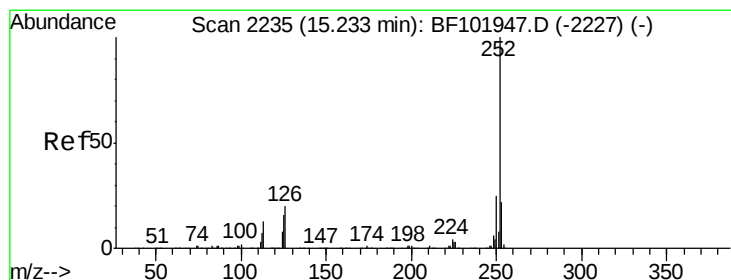
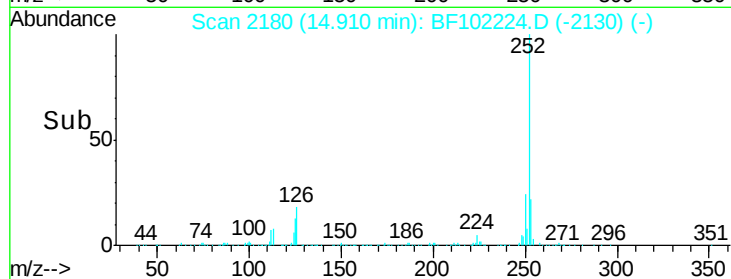
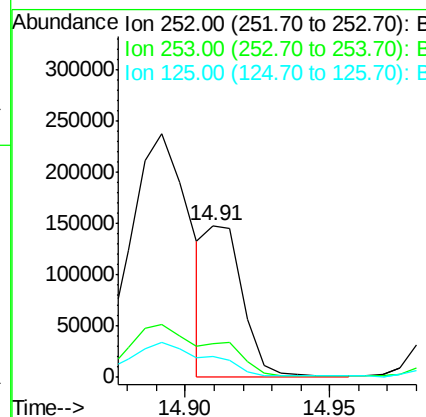
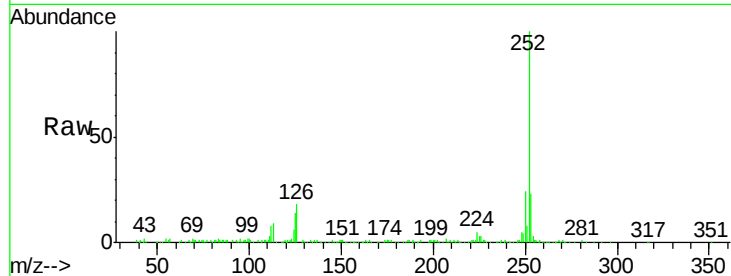
#88
Benzo(k)fluoranthene
Concen: 9.061 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-N_5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.8	10.2	15.2

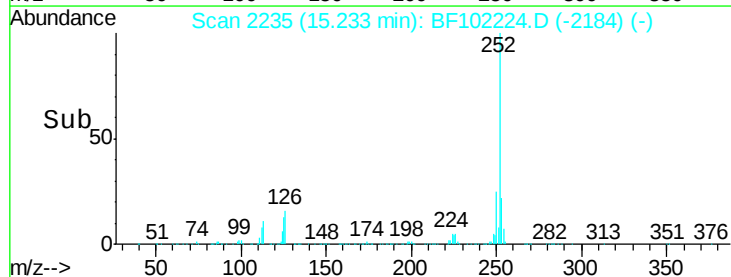
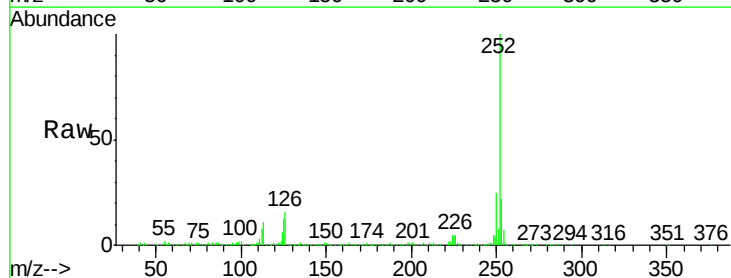
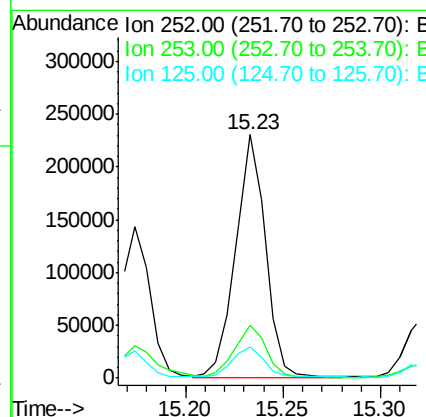
Manual Integrations
APPROVED

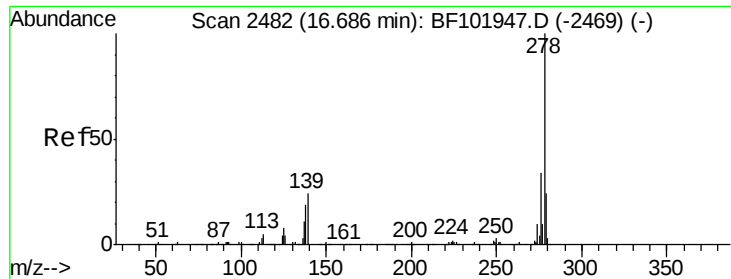
Sohil
1/22/2018 5:24:23 PM



#89
Benzo(a)pyrene
Concen: 17.982 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	13.0	9.8	14.6





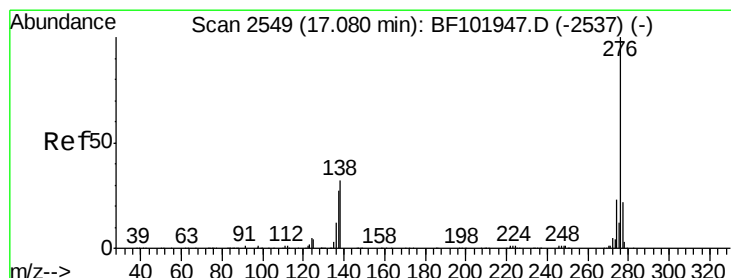
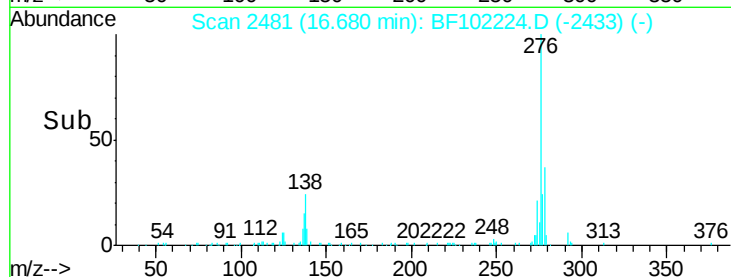
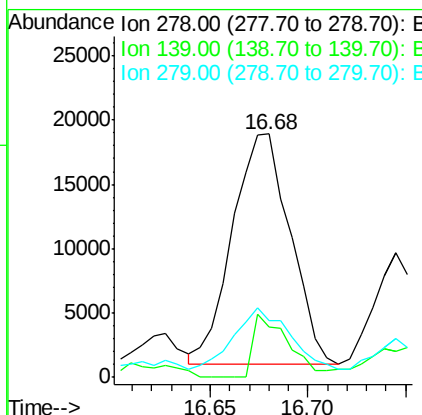
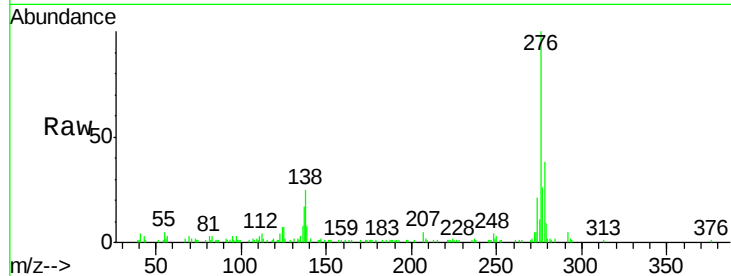
#90
Dibenzo(a,h)anthracene
Concen: 3.409 ng
RT: 16.68 min Scan# 2481
Delta R.T. -0.02 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Instrument :
BNA_F
ClientSampleId :
A2_SB103_W-N_5

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.9	23.9
279	23.1	19.0	28.4

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:23 PM



#91
Benzo(g,h,i)perylene
Concen: 11.163 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.01 min
Lab File: BF102224.D
Acq: 19 Jan 2018 16:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	28.9	21.8	32.8

