

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102230.D
 Acq On : 19 Jan 2018 21:31
 Operator : SJ/JU
 Sample : J1018-06 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-A

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:24:31 PM

Quant Time: Jan 20 00:33:20 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	152285	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	631104	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	281782	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	466883	20.00	ng	0.00
75) Chrysene-d12	13.87	240	281915	20.00	ng	0.00
86) Perylene-d12	15.30	264	289894	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	433870	40.23	ng	0.00
7) Phenol-d6	6.35	99	527265	40.98	ng	-0.02
23) Nitrobenzene-d5	7.28	82	317873	29.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	116769	47.48	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	601319	33.34	ng	-0.01
78) Terphenyl-d14	12.82	244	446186	32.86	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.02	128	186989	5.930	ng	98
37) 2-Methylnaphthalene	8.71	142	73892	3.559	ng	96
49) Dimethylphthalate	9.47	163	97775	4.325	ng	99
54) Dibenzofuran	9.96	168	57462	2.251	ng	97
57) Fluorene	10.30	166	88992	5.042	ng	99
70) Phenanthrene	11.26	178	512296	18.785	ng	99
71) Anthracene	11.31	178	112162	4.055	ng	98
74) Fluoranthene	12.45	202	344196	12.828	ng	99
77) Pyrene	12.67	202	310171	12.447	ng	99
80) Benzo(a)anthracene	13.86	228	104457	5.807	ng	92
82) Chrysene	13.90	228	97867	5.218	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	43962	3.220	ng	97
87) Benzo(b)fluoranthene	14.89	252	107117m	5.667	ng	
89) Benzo(a)pyrene	15.23	252	84410	4.963	ng	# 94
91) Benzo(a,h,i)perylene	17.09	276	41574	3.041	ng	95

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

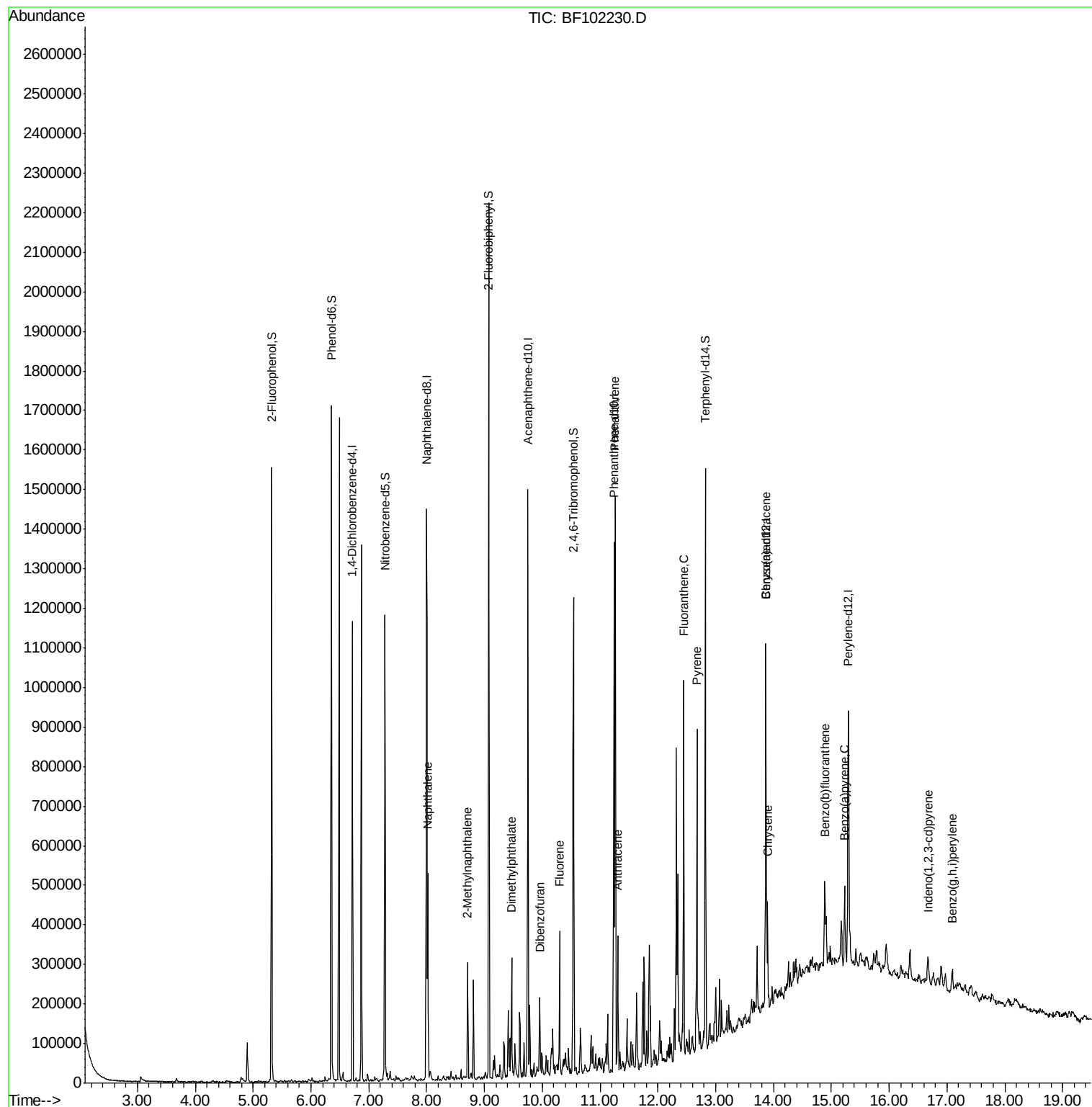
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102230.D
Acq On : 19 Jan 2018 21:31
Operator : SJ/JU
Sample : J1018-06 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

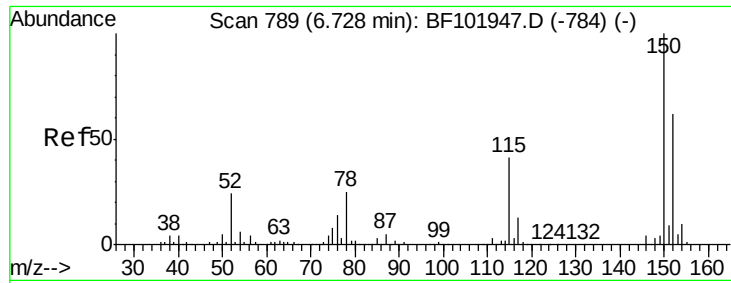
Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:31 PM

Quant Time: Jan 20 00:33:20 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





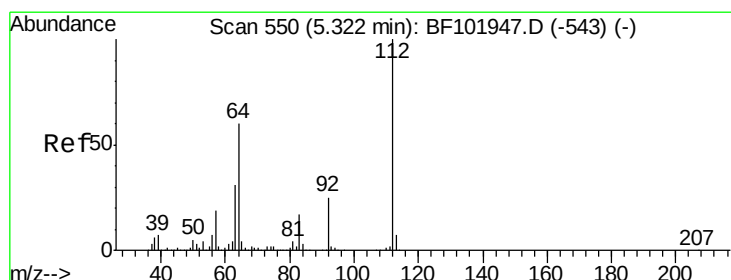
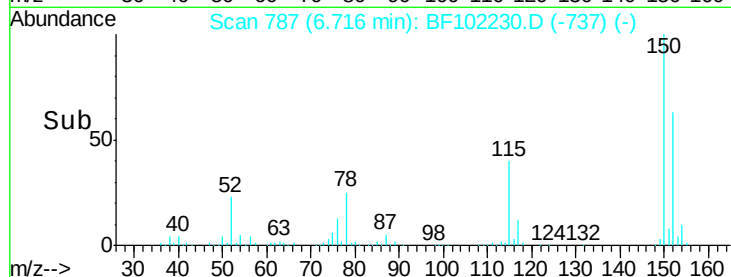
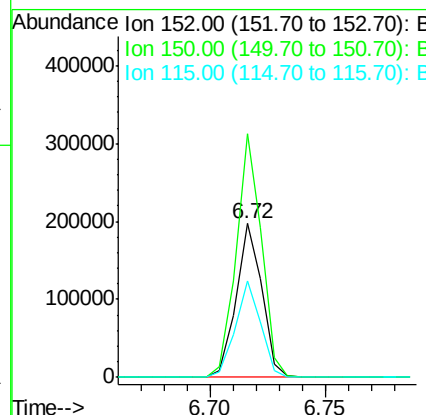
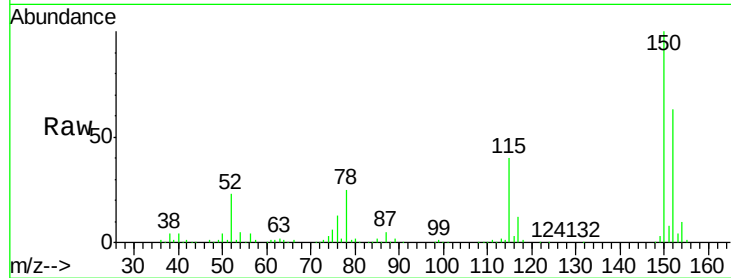
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	63.0	50.1	75.1

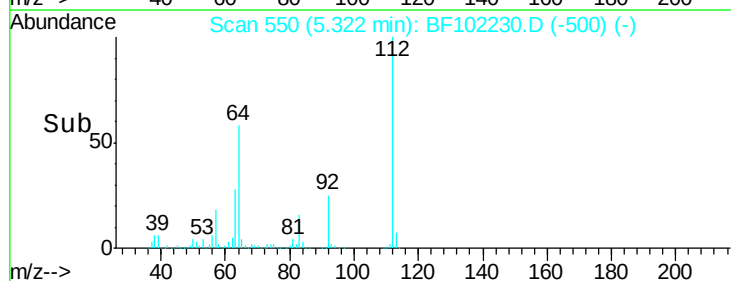
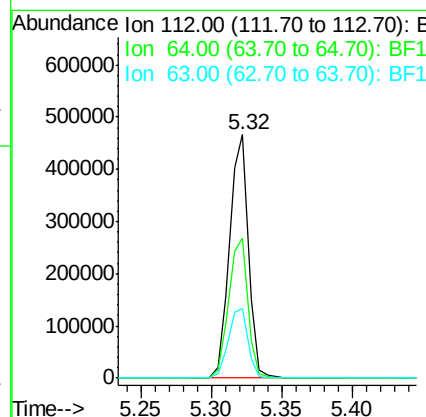
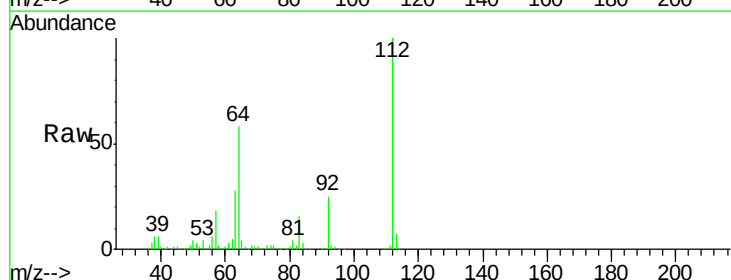
Manual Integrations
 APPROVED

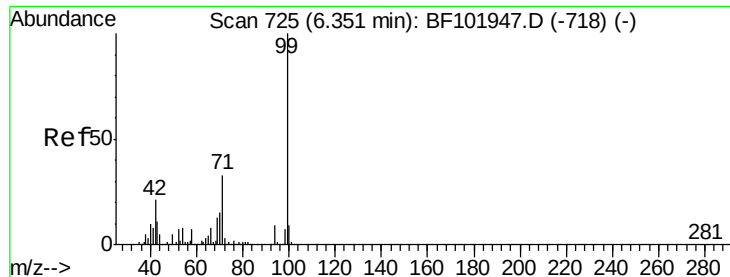
Sohil
 1/22/2018 5:24:31 PM



#5
 2-Fluorophenol
 Concen: 40.231 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.01 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 40.978 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

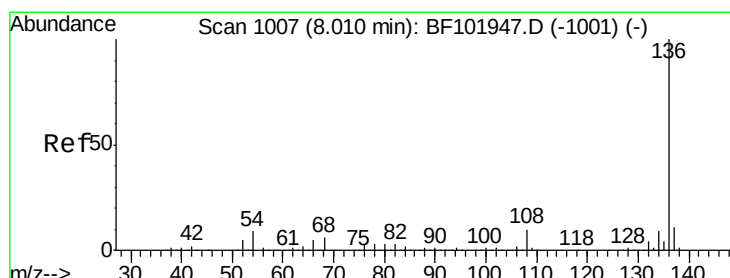
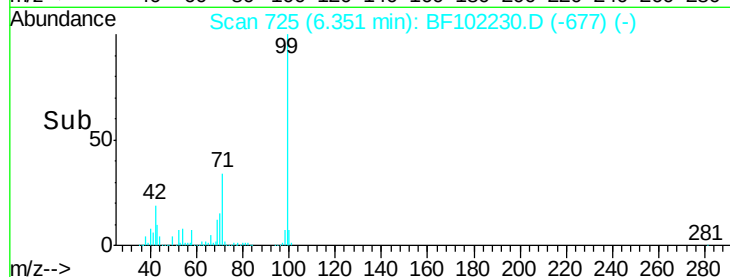
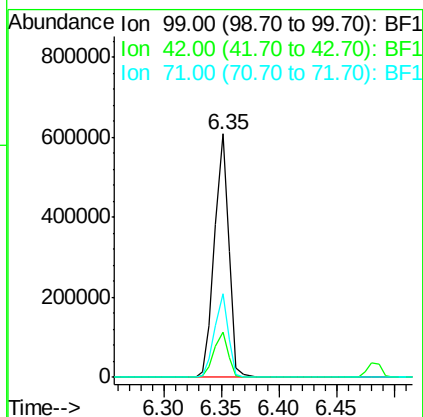
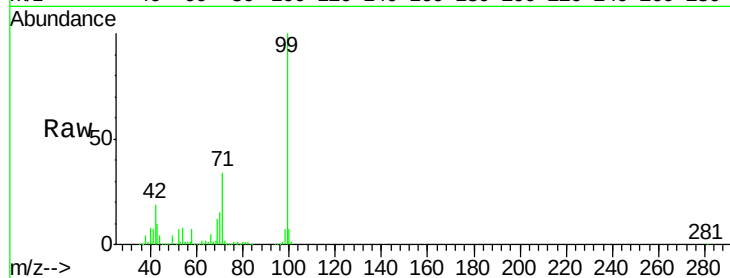
ClientSampleId :

OR-02-011818-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		527265		
42	18.8	14.5	21.7		
71	34.1	25.4	38.0		

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:31 PM



#21

Naphthalene-d8

Concen: 20.000 ng

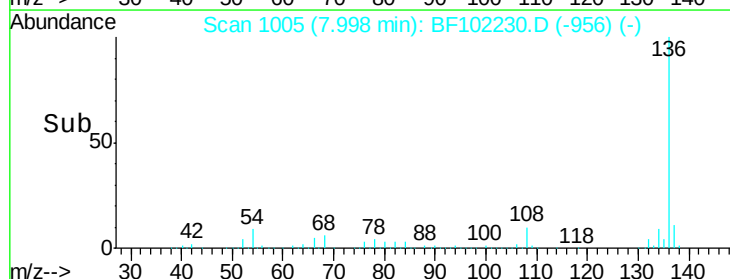
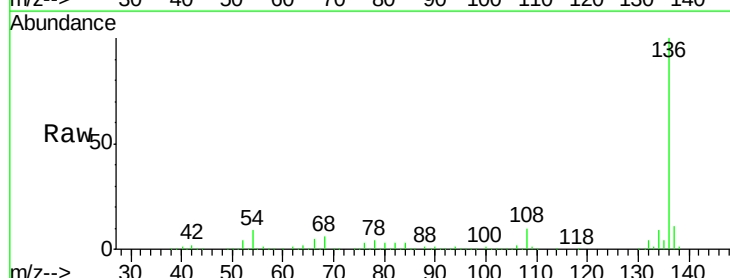
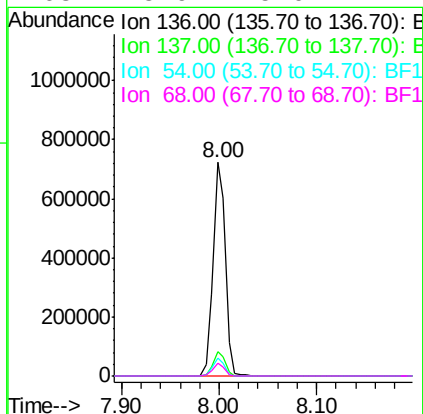
RT: 8.00 min Scan# 1005

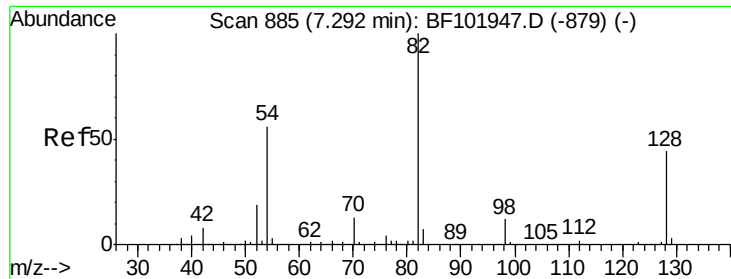
Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		631104		
137	11.1	8.9	13.3		
54	8.7	6.6	9.8		
68	5.9	5.0	7.4		





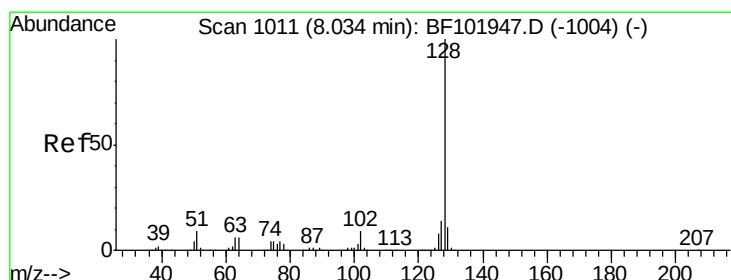
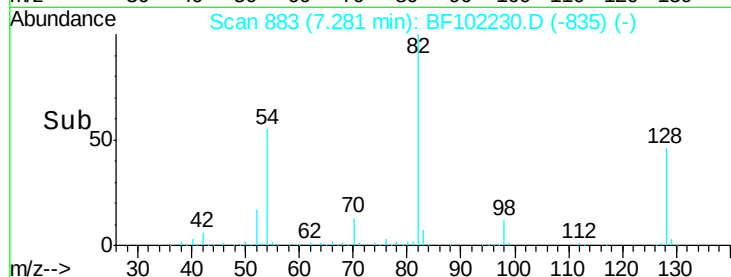
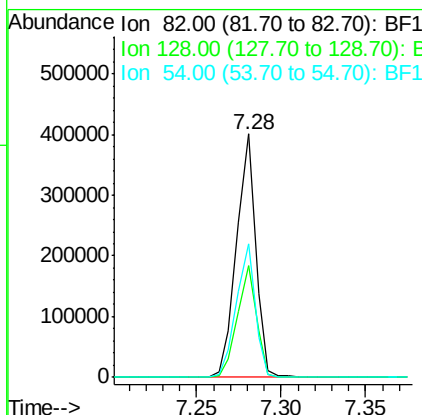
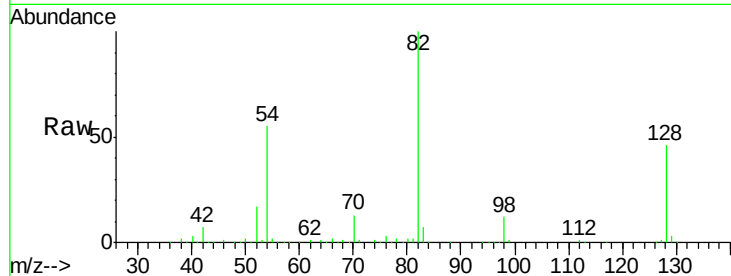
#23
Nitrobenzene-d5
Concen: 29.598 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampled :
OR-02-011818-A

Tot Ion	82	Resp	317873
Ion Ratio	100	Lower	Upper
128	45.7	36.1	54.1
54	54.7	41.4	62.2

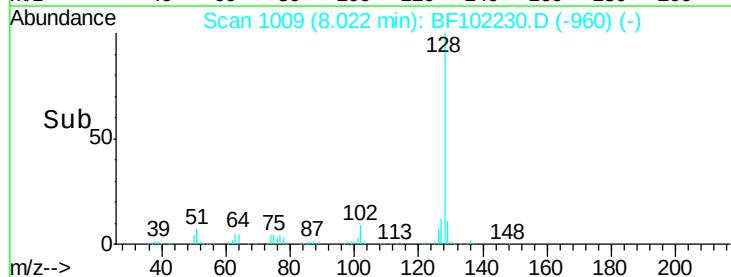
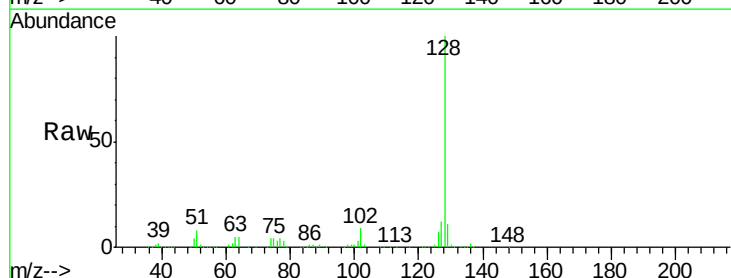
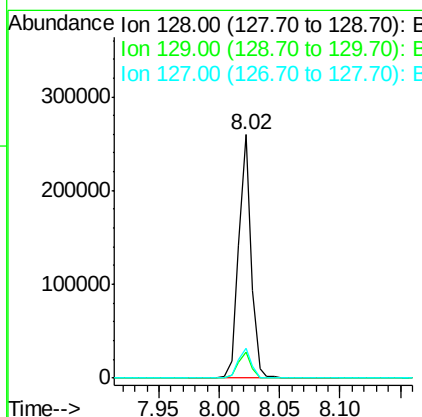
Manual Integrations
APPROVED

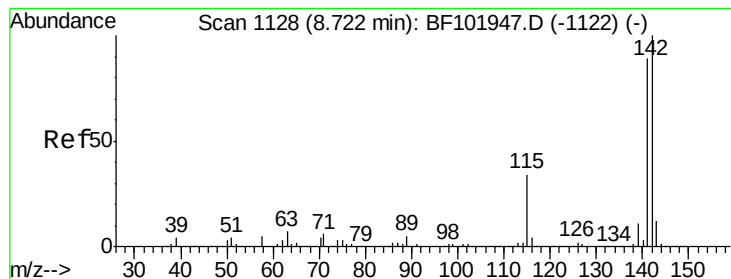
Sohil
1/22/2018 5:24:31 PM



#31
Naphthalene
Concen: 5.930 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion	128	Resp	186989
Ion Ratio	100	Lower	Upper
129	10.9	8.8	13.2
127	12.3	10.9	16.3





#37

2-Methylnaphthalene

Concen: 3.559 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

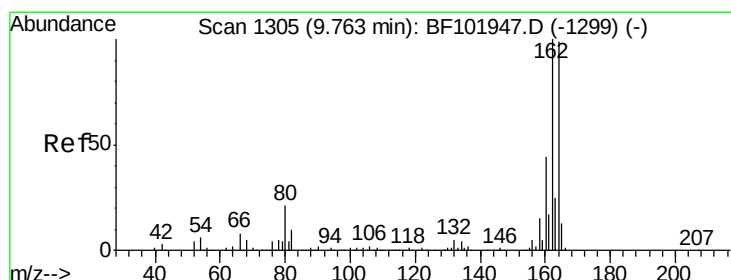
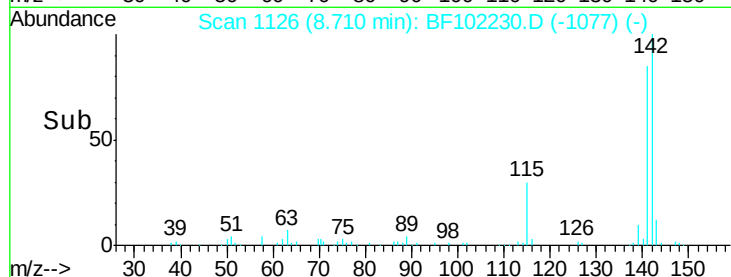
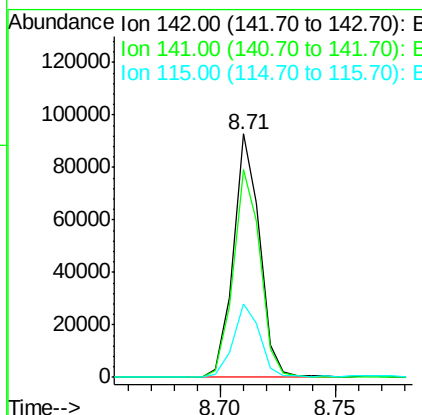
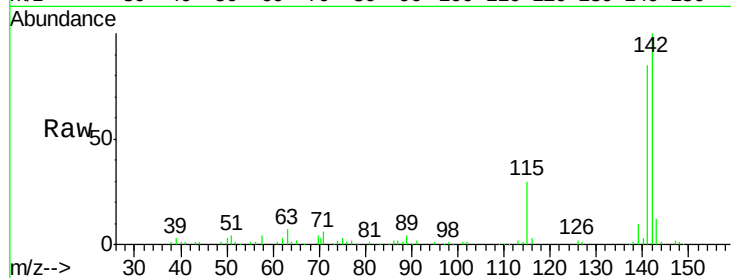
ClientSampleId :

OR-02-011818-A

Tot Ion:	142	Resp:	73892
Ion Ratio	Lower	Upper	
142	100		
141	85.1	70.8	106.2
115	29.9	26.1	39.1

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:31 PM



#38

Acenaphthene-d10

Concen: 20.000 ng

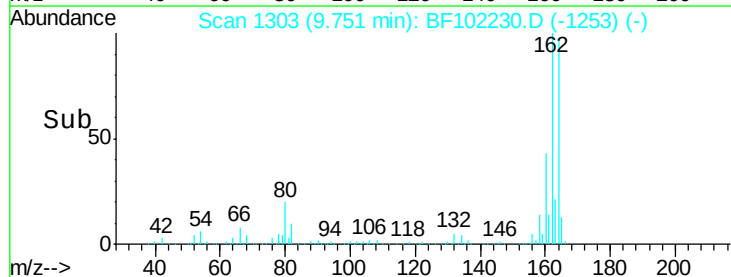
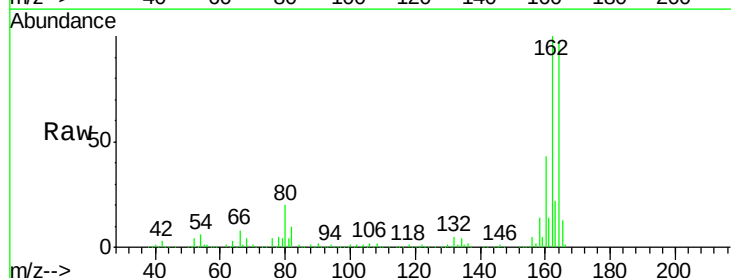
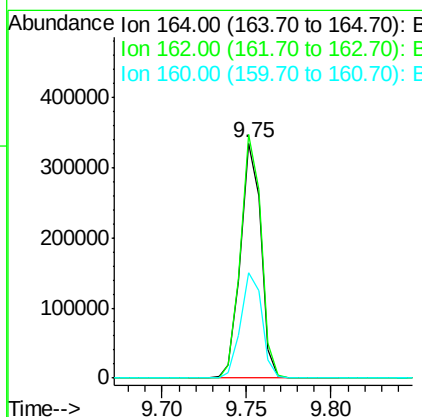
RT: 9.75 min Scan# 1303

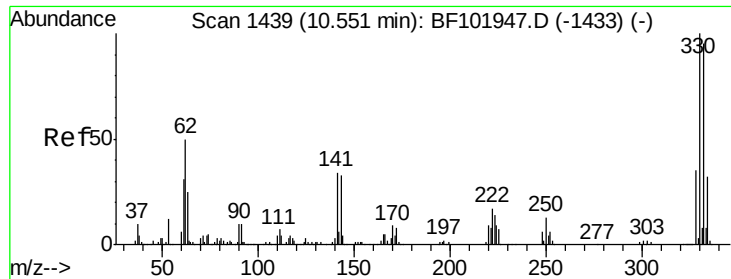
Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Tgt Ion:	164	Resp:	281782
Ion Ratio	Lower	Upper	
164	100		
162	103.5	86.1	129.1
160	44.6	38.3	57.5





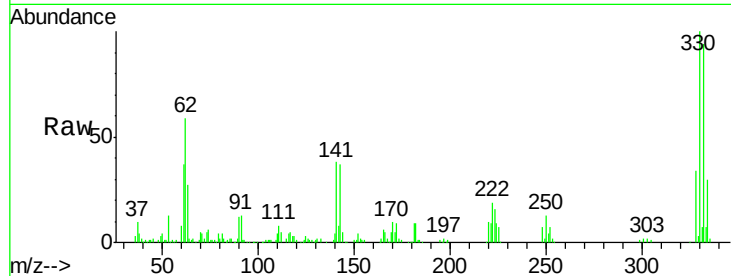
#41
 2,4,6-Tribromophenol
 Concen: 47.485 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-A

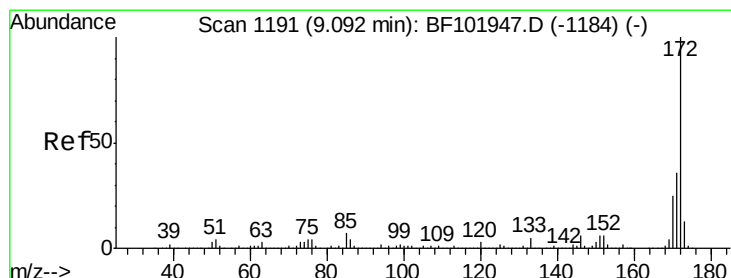
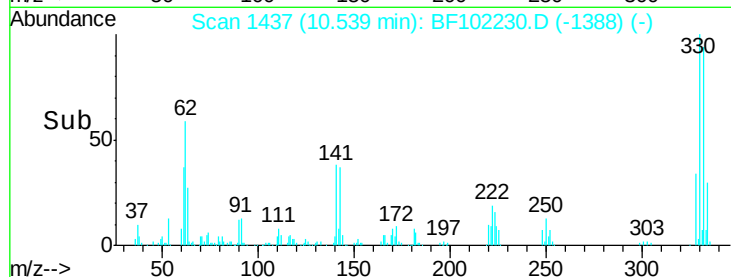
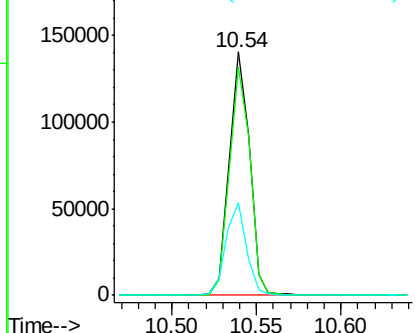
Tot Ion	Ratio	Resp	Lower	Upper
330	100	116769		
332	95.0	77.0	115.6	
141	39.2	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:24:31 PM

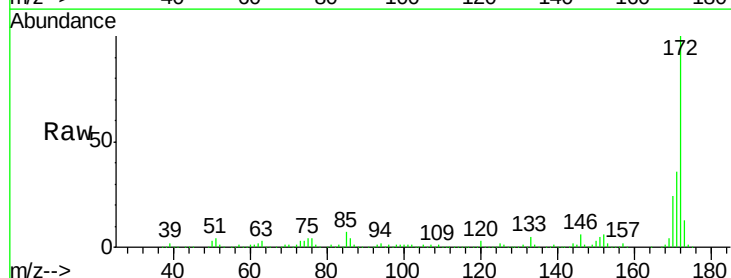


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

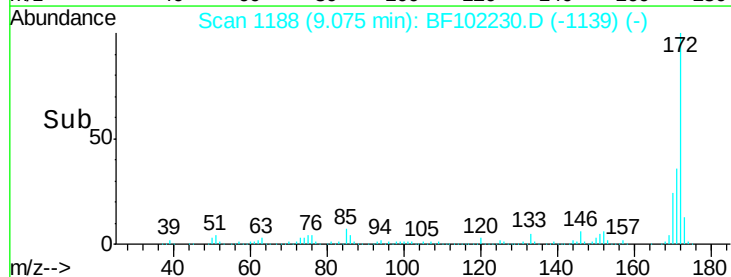
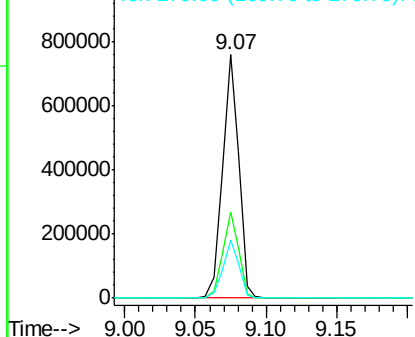


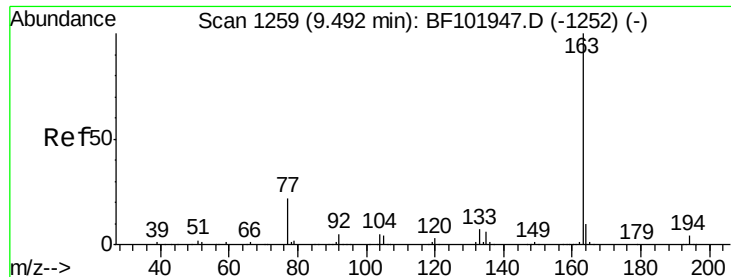
#44
 2-Fluorobiphenyl
 Concen: 33.339 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	601319		
171	35.6	29.7	44.5	
170	23.8	19.6	29.4	



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





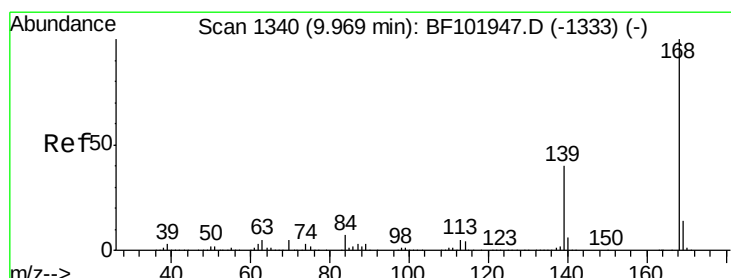
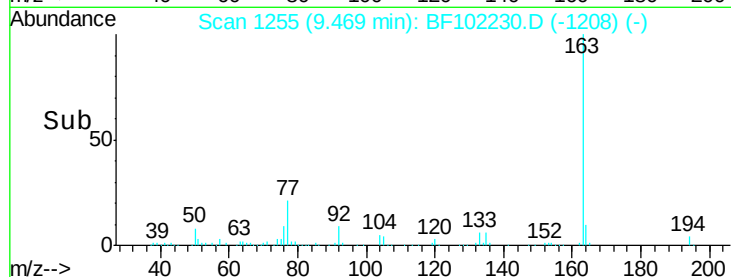
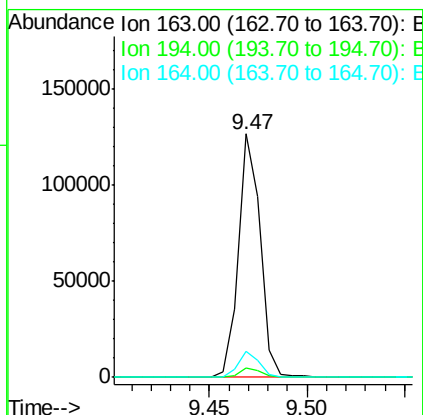
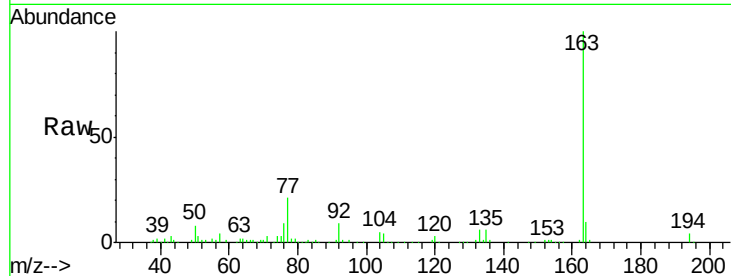
#49
Dimethylphthalate
Concen: 4.325 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.5	8.2	12.2

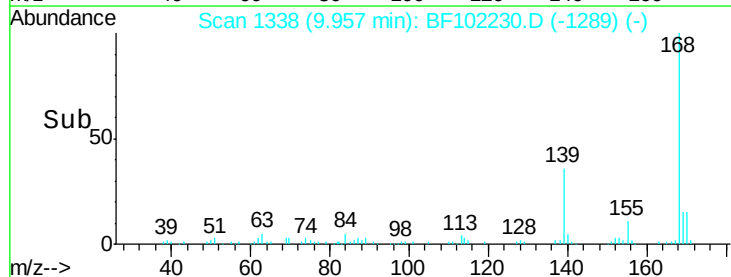
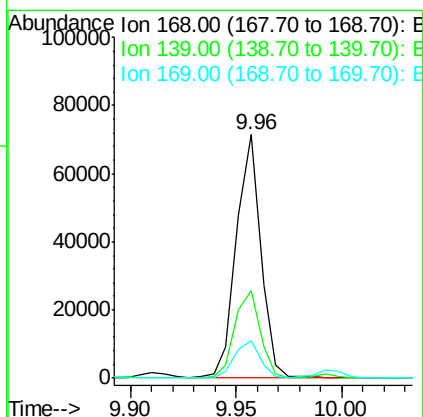
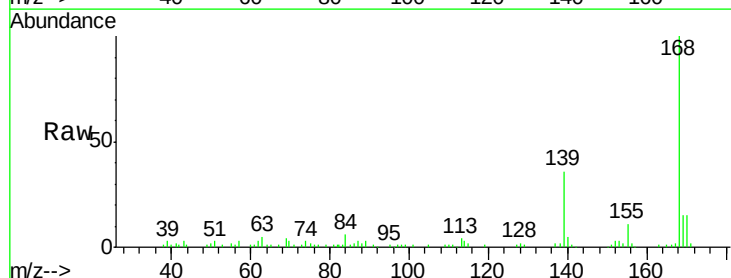
Manual Integrations
APPROVED

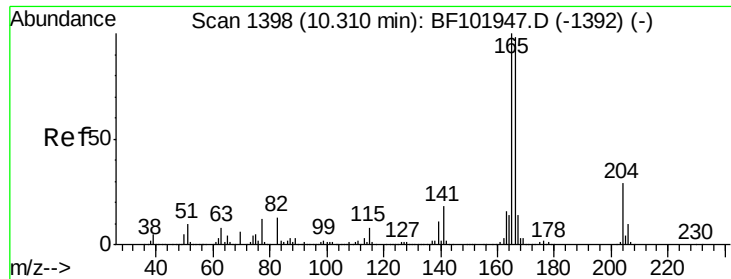
Sohil
1/22/2018 5:24:31 PM



#54
Dibenzofuran
Concen: 2.251 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.0	30.1	45.1
169	15.3	10.9	16.3





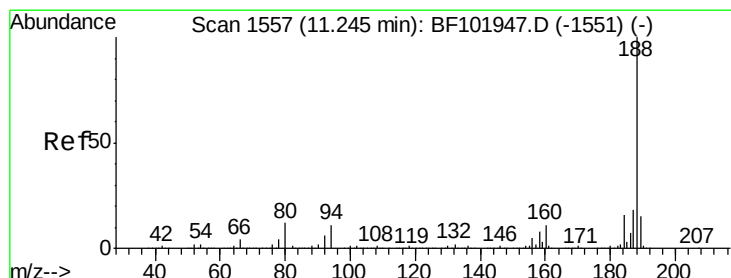
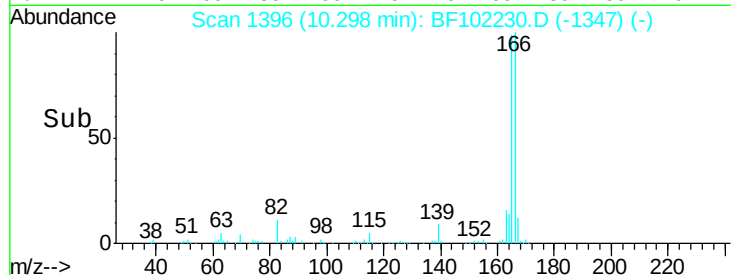
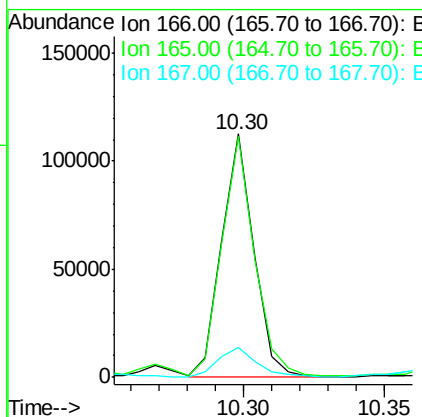
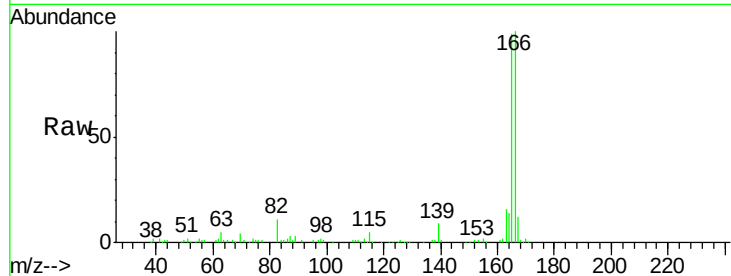
#57
Fluorene
 Concen: 5.042 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	12.2	10.6	16.0

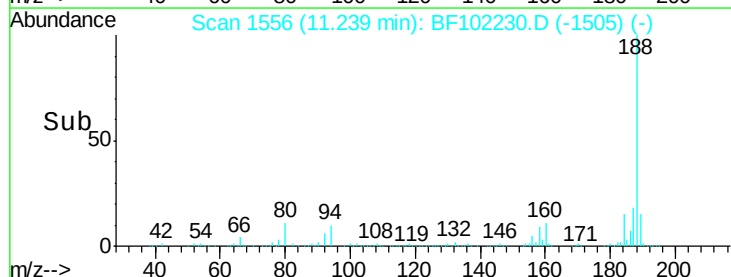
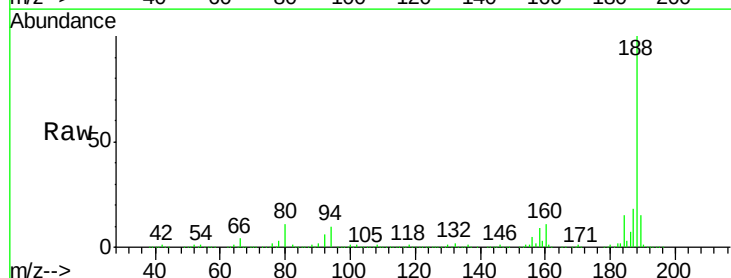
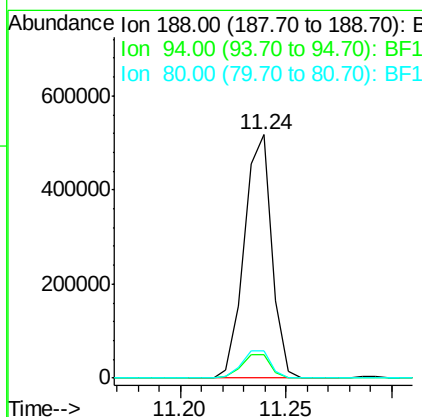
Manual Integrations
 APPROVED

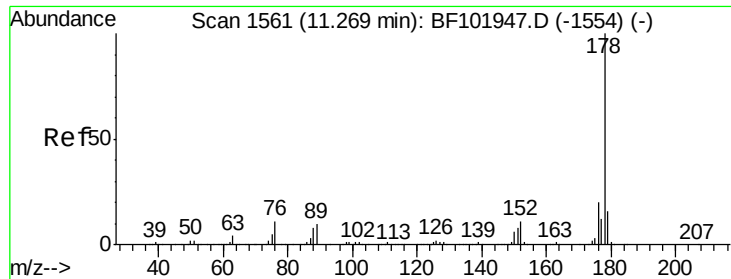
Sohil
 1/22/2018 5:24:31 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	11.0	9.2	13.8





#70

Phenanthrene

Concen: 18.785 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

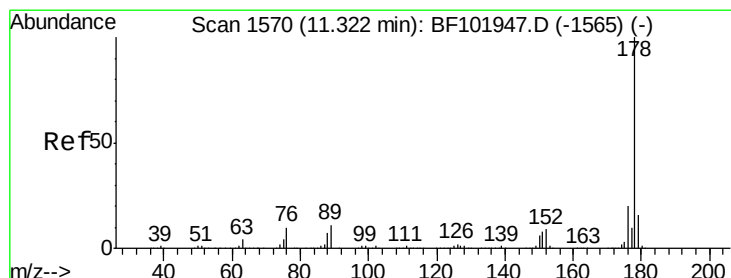
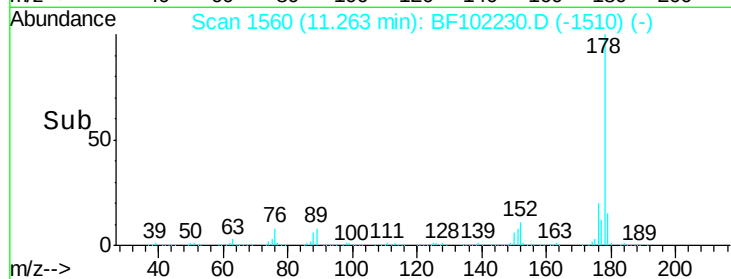
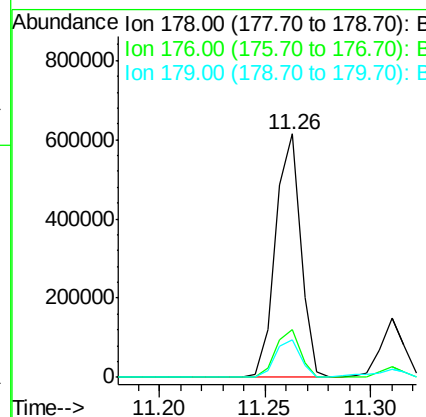
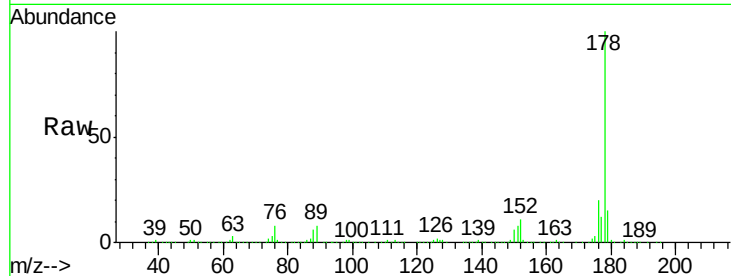
ClientSampleId :

OR-02-011818-A

Tot Ion:	178	Resp:	512296
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	15.3	13.0	19.6

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:31 PM



#71

Anthracene

Concen: 4.055 ng

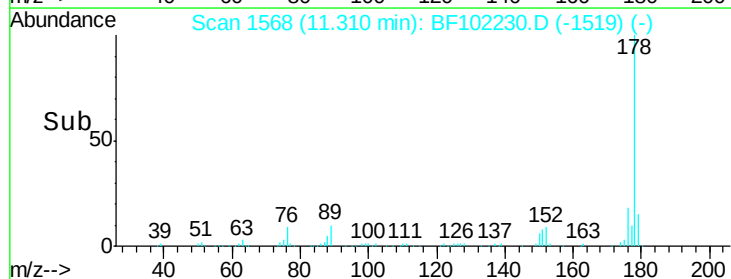
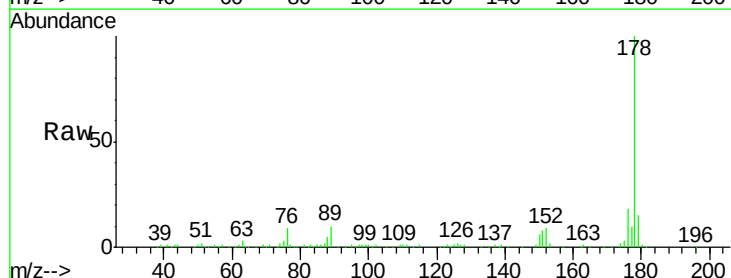
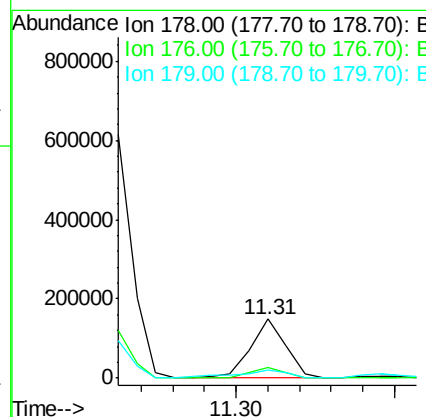
RT: 11.31 min Scan# 1568

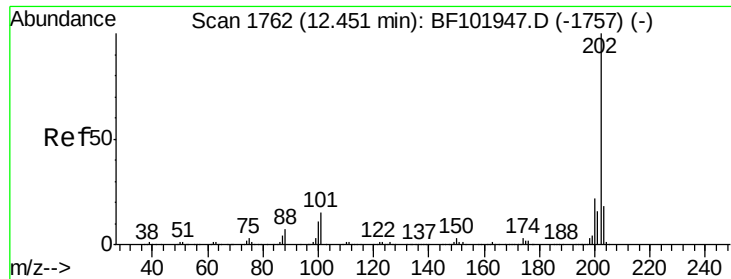
Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Tgt Ion:	178	Resp:	112162
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 12.828 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

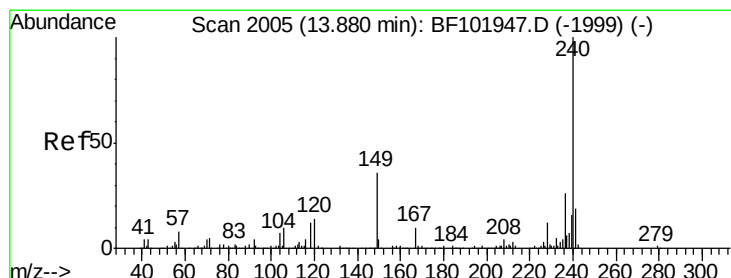
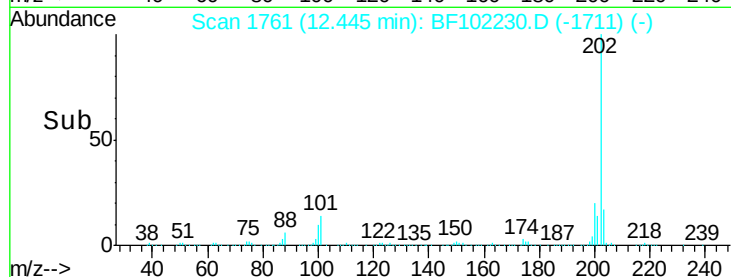
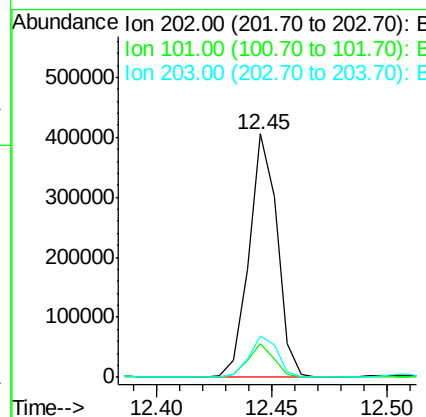
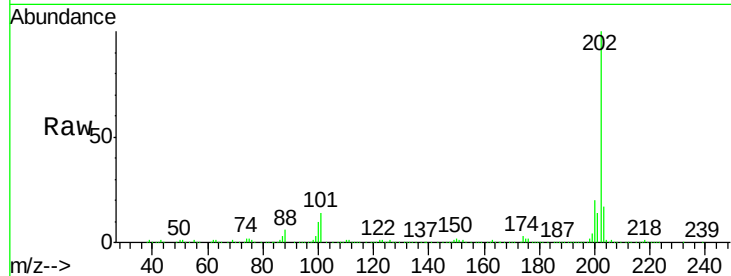
ClientSampleId :

OR-02-011818-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.0	0.0	38.1

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:31 PM



#75

Chrysene-d12

Concen: 20.000 ng

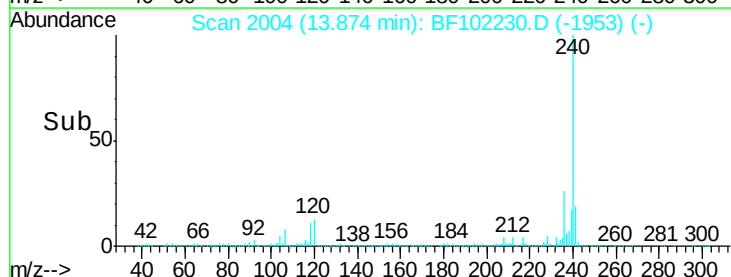
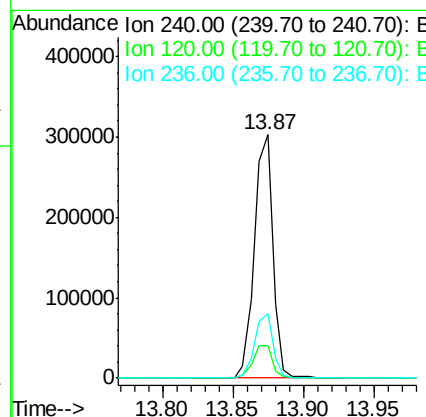
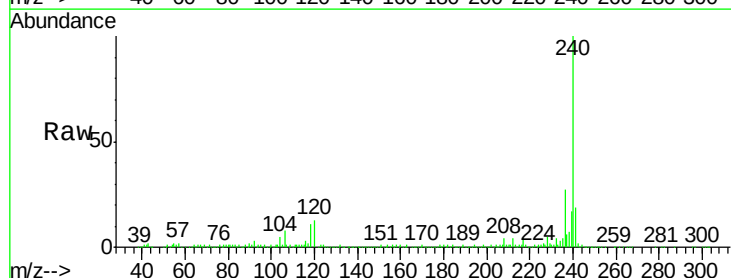
RT: 13.87 min Scan# 2004

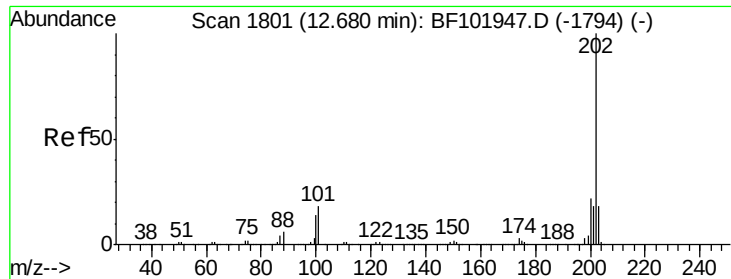
Delta R.T. 0.00 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.2	9.5	14.3
236	26.5	20.7	31.1





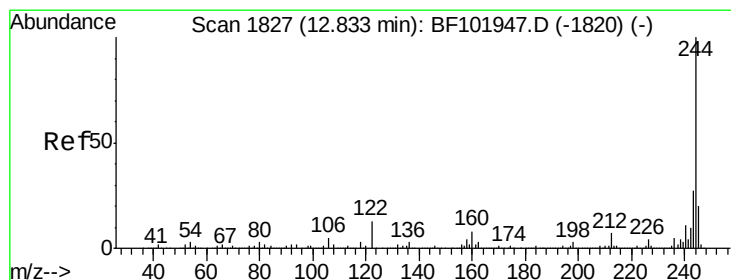
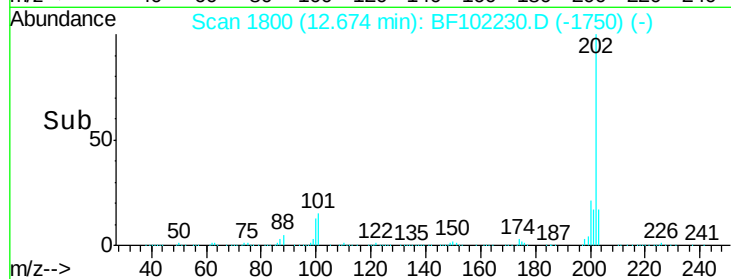
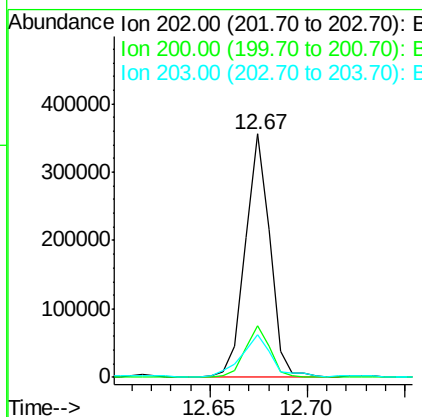
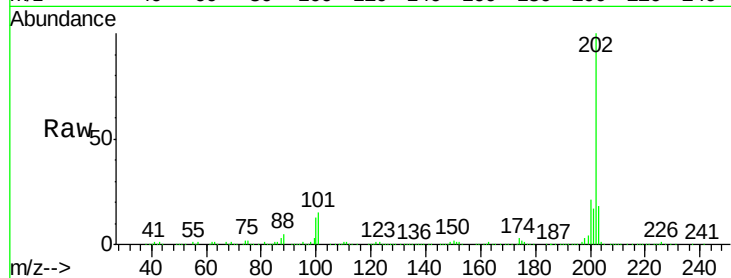
#77
Pvrene
Concen: 12.447 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.7	14.3	21.5

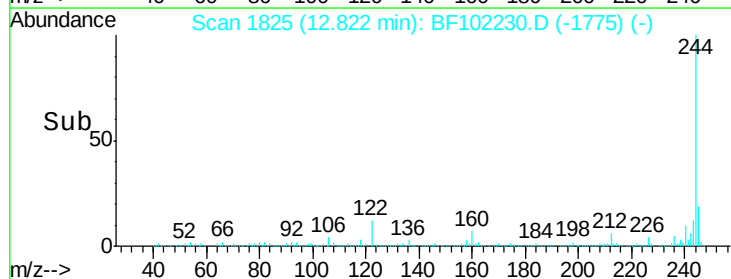
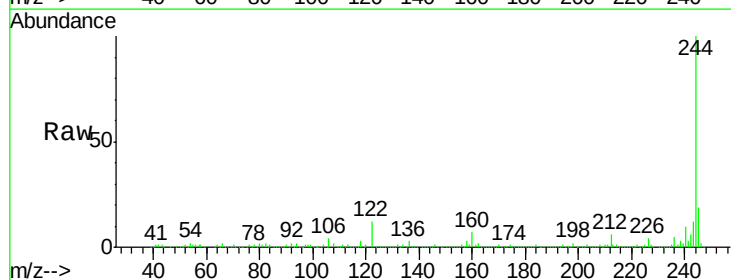
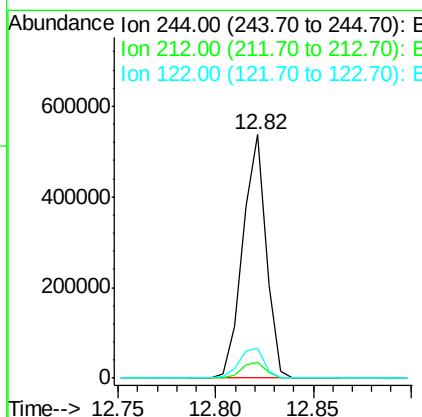
Manual Integrations
APPROVED

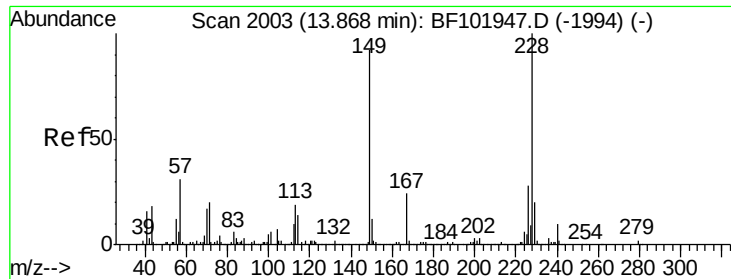
Sohil
1/22/2018 5:24:31 PM



#78
Terphenyl-d14
Concen: 32.861 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.4	11.0	16.4





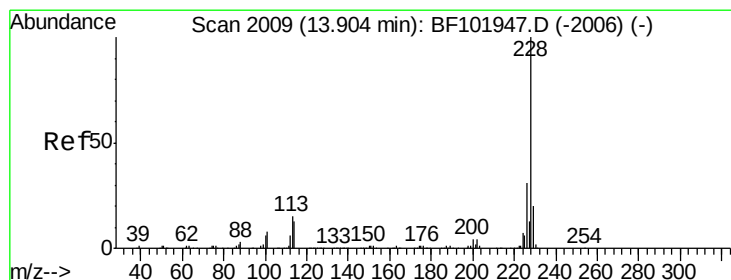
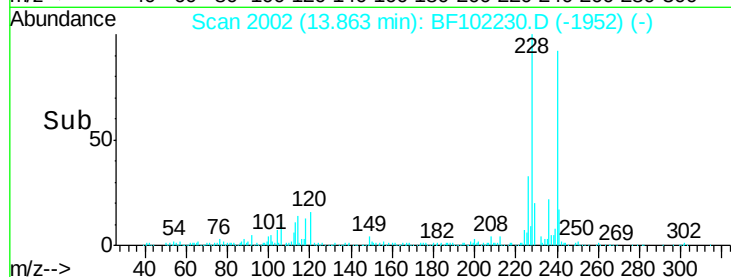
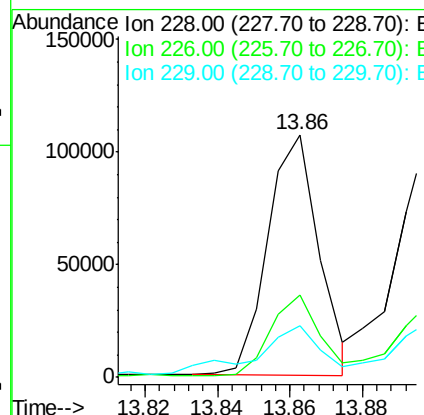
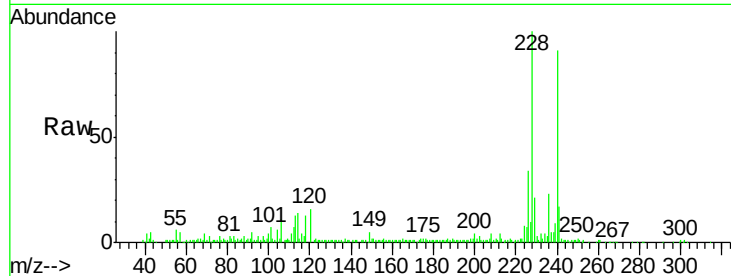
#80
Benzo(a)anthracene
Concen: 5.807 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	21.4	15.8	23.6

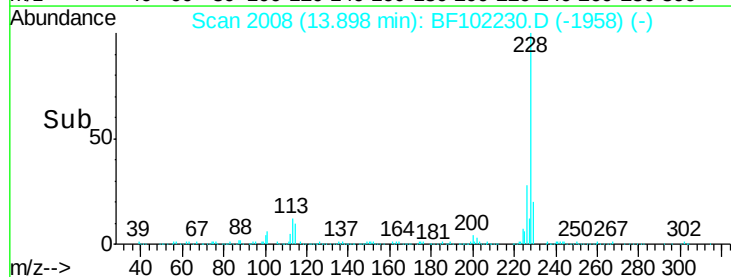
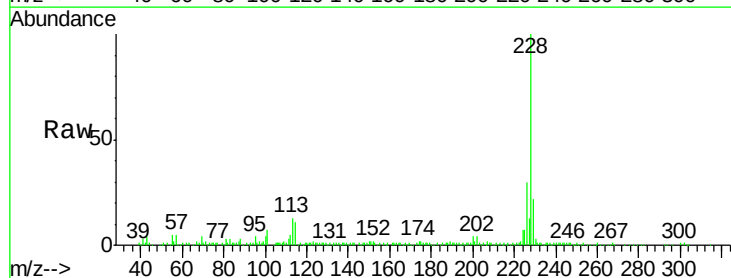
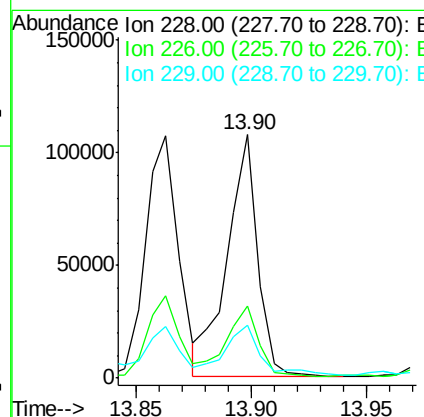
Manual Integrations
APPROVED

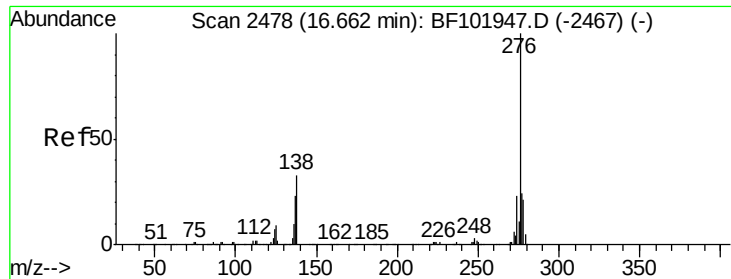
Sohil
1/22/2018 5:24:31 PM



#82
Chrysene
Concen: 5.218 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.8	16.2	24.4





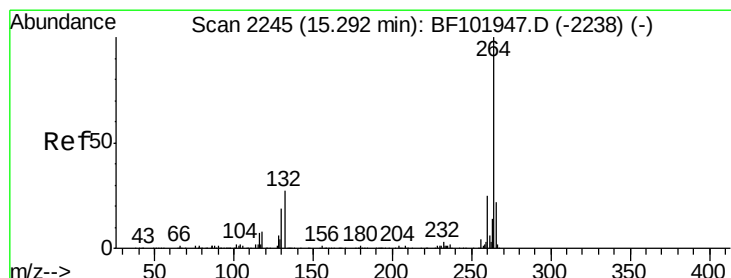
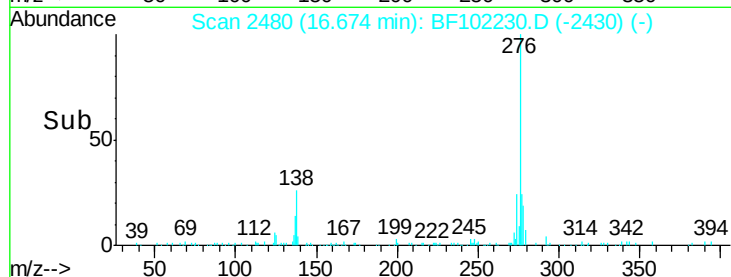
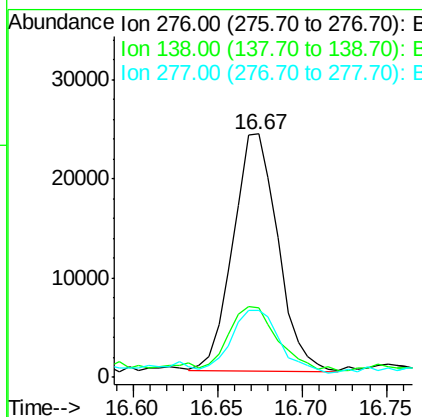
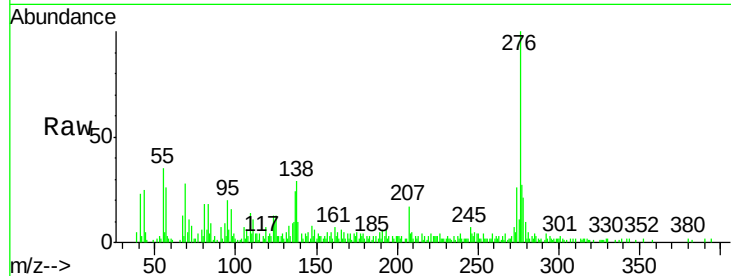
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.220 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Instrument :
BNA_F
ClientSampleId :
OR-02-011818-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	28.2	20.1	30.1

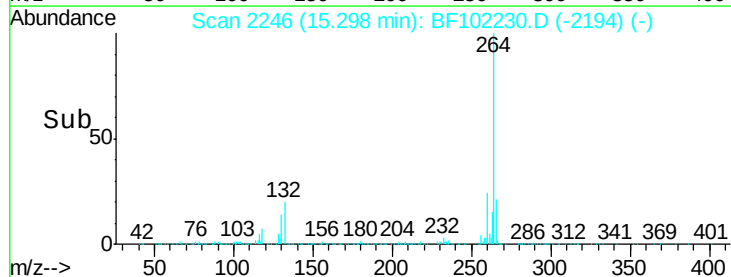
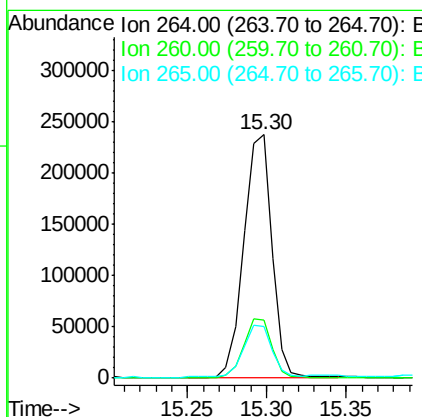
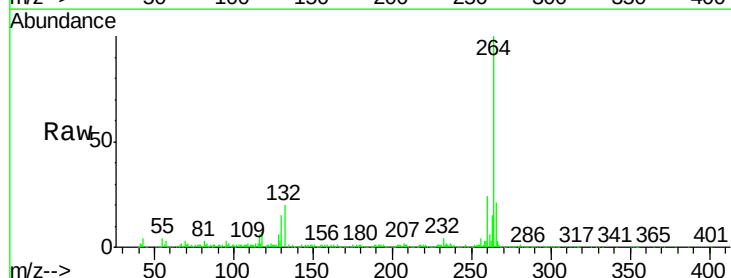
Manual Integrations
APPROVED

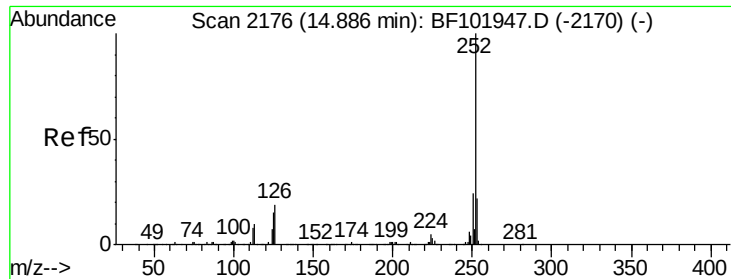
Sohil
1/22/2018 5:24:31 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102230.D
Acq: 19 Jan 2018 21:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.667 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Instrument :

BNA_F

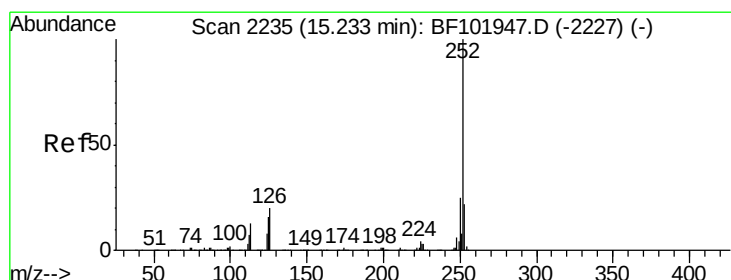
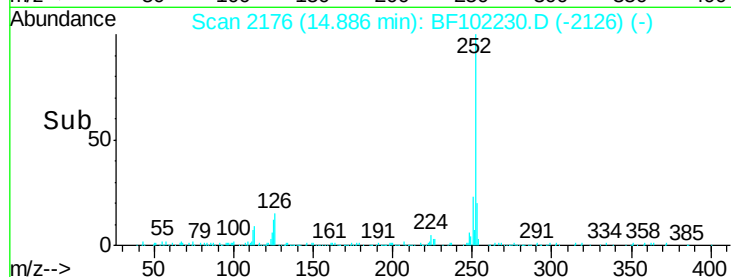
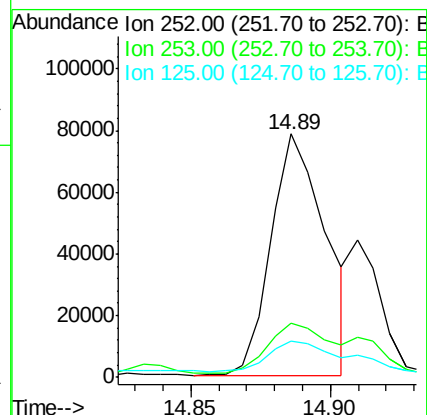
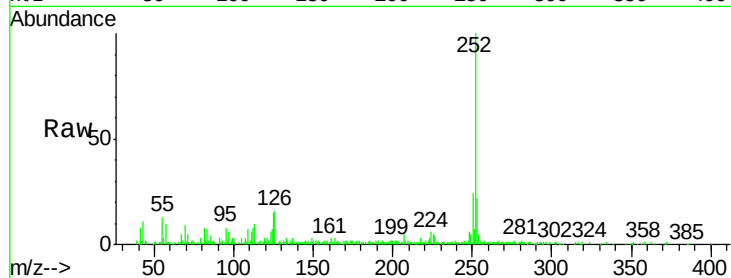
ClientSampled :

OR-02-011818-A

Tot Ion:	252	Resp:	107117
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	14.9	9.0	13.6#

Manual Integrations
APPROVED

Sohil
1/22/2018 5:24:31 PM



#89

Benzo(a)pyrene

Concen: 4.963 ng

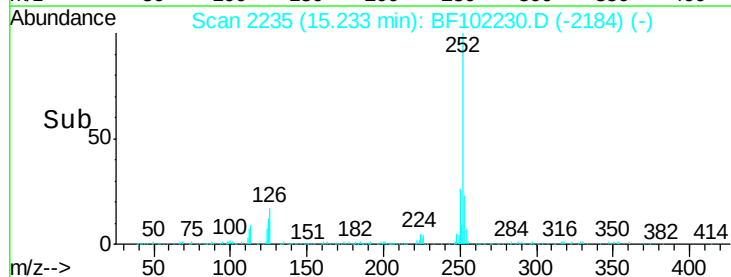
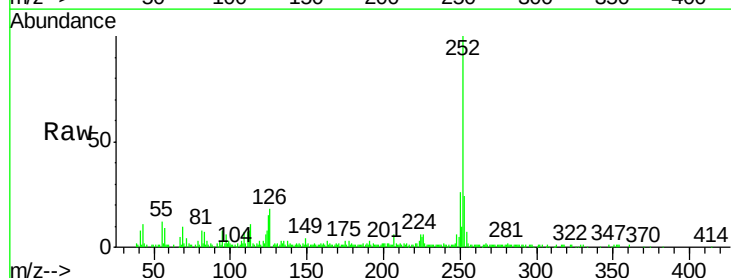
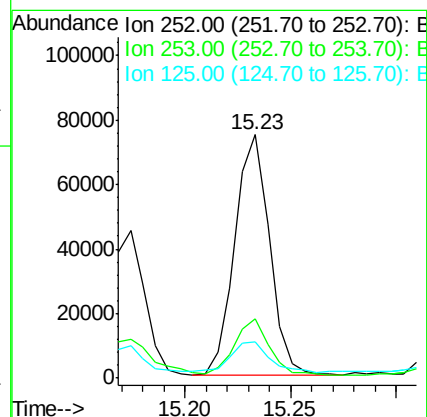
RT: 15.23 min Scan# 2235

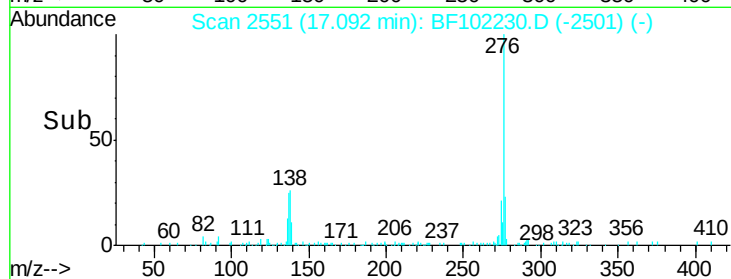
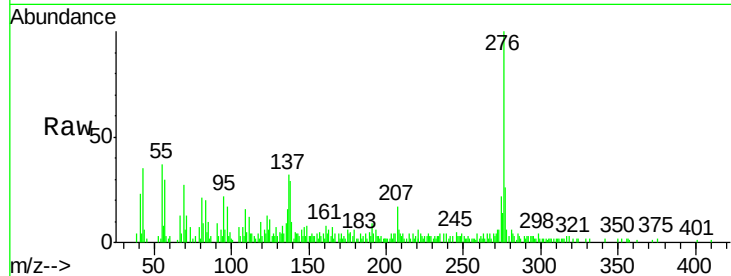
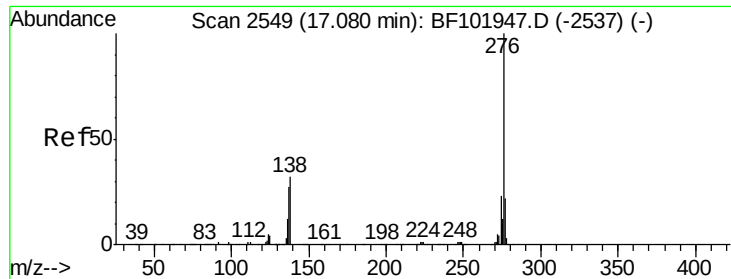
Delta R.T. 0.00 min

Lab File: BF102230.D

Acq: 19 Jan 2018 21:31

Tgt Ion:	252	Resp:	84410
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	14.7	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.041 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF102230.D
 Acq: 19 Jan 2018 21:31

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-011818-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	28.6	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:24:31 PM

