

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101998.D
 Acq On : 10 Jan 2018 23:56
 Operator : SJ/JU
 Sample : J1076-15 50X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-11R-01

Manual Integrations
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Quant Time: Jan 11 04:33:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	210902	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	853474	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	354456	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	530388	20.00	ng	0.00
75) Chrysene-d12	13.87	240	321167	20.00	ng	0.00
86) Perylene-d12	15.29	264	379731	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	6504	0.44	ng	0.00
7) Phenol-d6	6.35	99	8400	0.47	ng	0.00
23) Nitrobenzene-d5	7.28	82	4595	0.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	976	0.32	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	8745	0.39	ng	-0.01
78) Terphenyl-d14	12.82	244	5846	0.38	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	8.03	128	1468896	34.443	ng	100
37) 2-Methylnaphthalene	8.72	142	218723	7.791	ng	98
48) Acenaphthylene	9.62	152	311551	8.080	ng	99
51) Acenaphthene	9.79	154	52801	2.256	ng	99
54) Dibenzofuran	9.96	168	188531	5.870	ng	99
57) Fluorene	10.30	166	259848	11.703	ng	100
70) Phenanthrene	11.27	178	1023183	33.025	ng	98
71) Anthracene	11.32	178	343122	10.920	ng	99
72) Carbazole	11.47	167	89040	2.883	ng	98
74) Fluoranthene	12.45	202	647353	21.237	ng	99
77) Pyrene	12.68	202	562401	19.810	ng	99
80) Benzo(a)anthracene	13.86	228	240258m	11.725	ng	
82) Chrysene	13.90	228	187410	8.771	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	110875	7.130	ng	98
87) Benzo(b)fluoranthene	14.89	252	238505m	9.633	ng	
88) Benzo(k)fluoranthene	14.91	252	83871m	3.511	ng	
89) Benzo(a)pyrene	15.23	252	208676	9.366	ng	95
91) Benzo(g,h,i)perylene	17.07	276	102911	5.746	ng	95

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

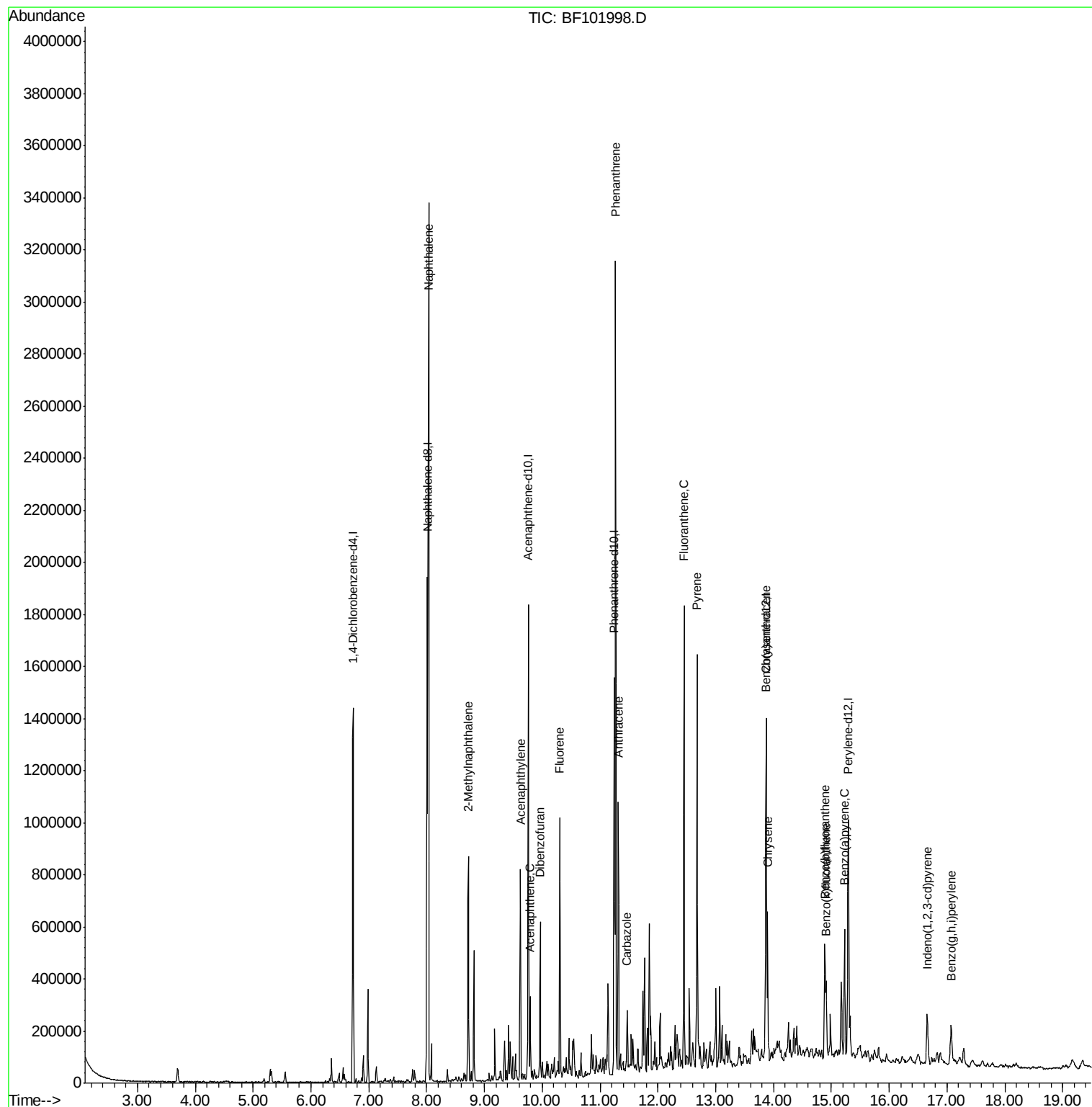
Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
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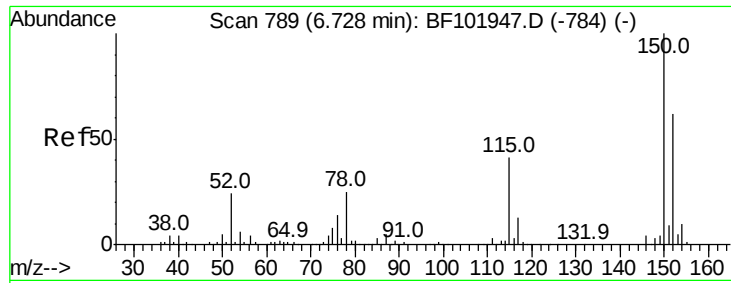
Instrument :
BNA_F
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WC-11R-01

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#1

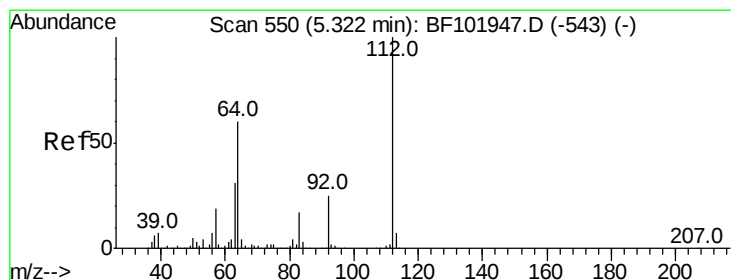
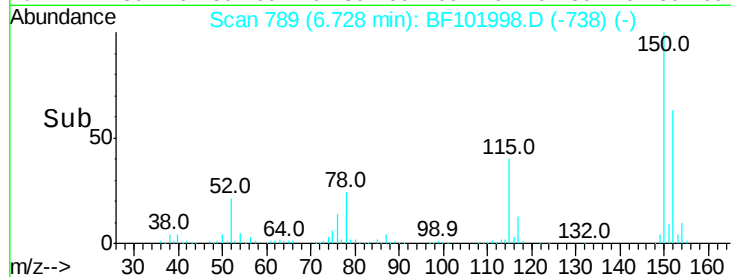
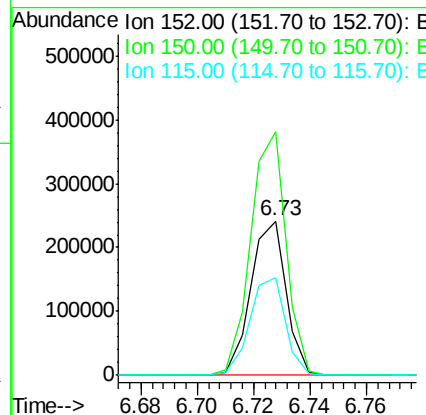
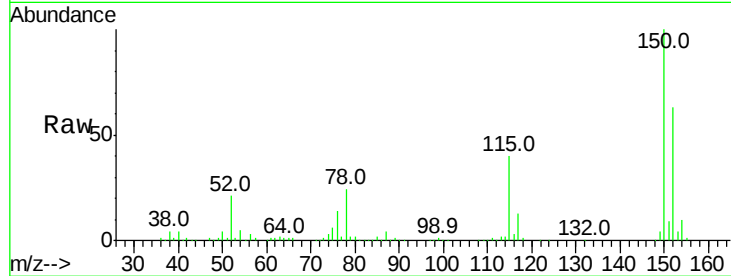
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	63.2	50.1	75.1

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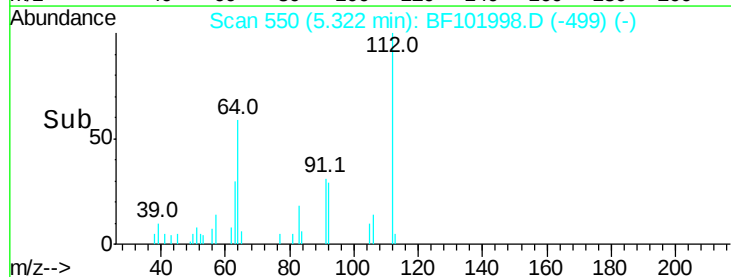
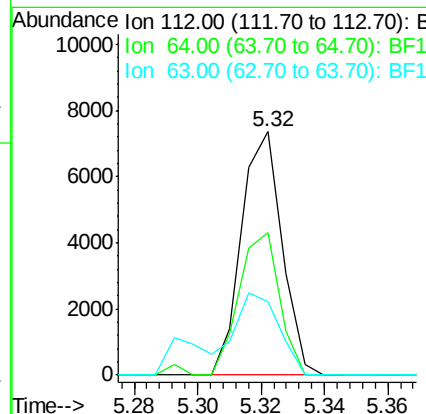
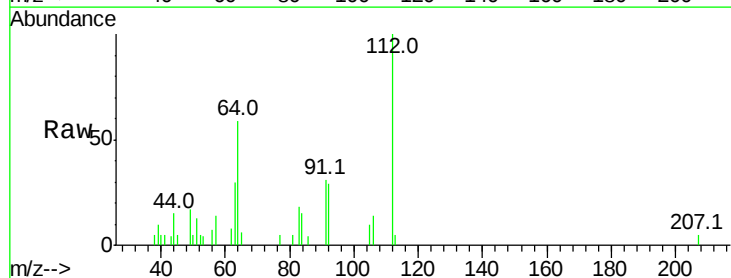
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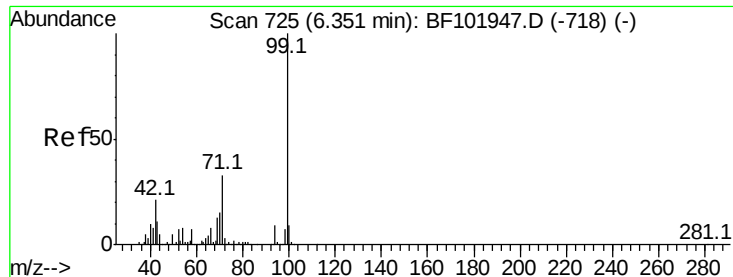


#5

2-Fluorophenol
Concen: 0.435 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 0.471 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Instrument :

BNA_F

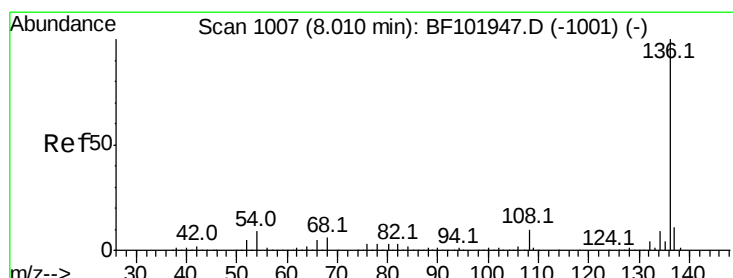
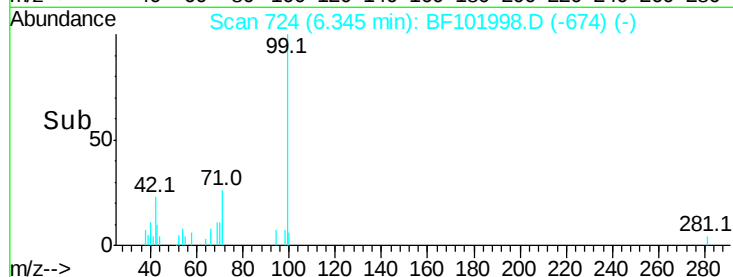
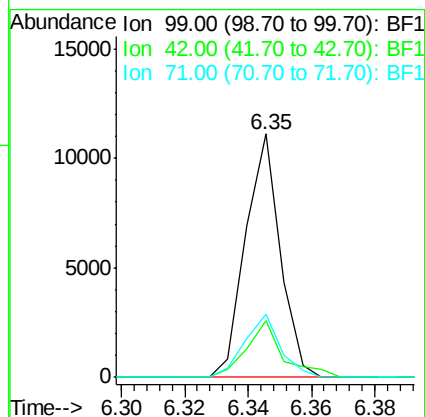
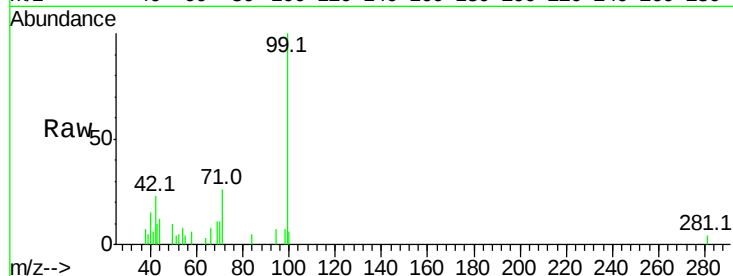
ClientSampleId :

WC-11R-01

Tot Ion:	99	Resp:	8400
Ion Ratio	Lower	Upper	
99	100		
42	23.5	14.5	21.7#
71	25.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

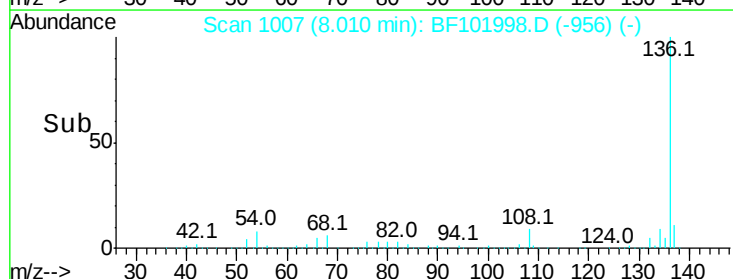
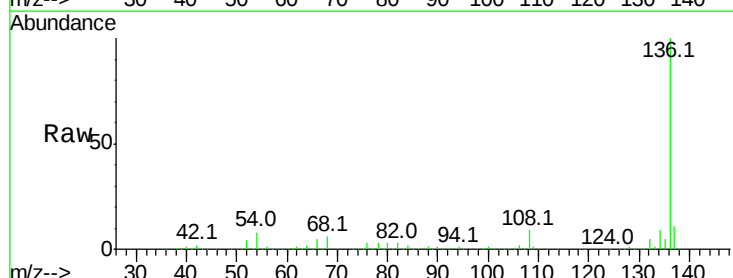
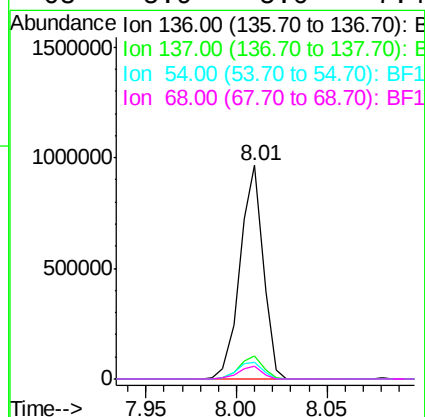
RT: 8.01 min Scan# 1007

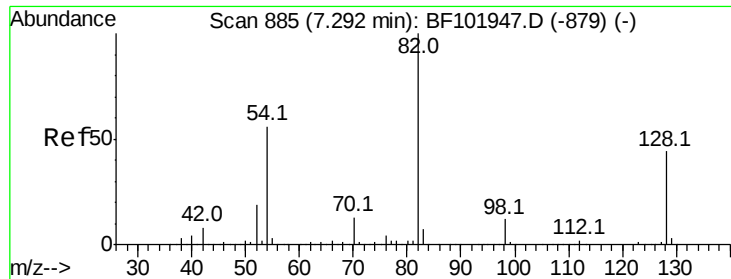
Delta R.T. 0.00 min

Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Tgt Ion:	136	Resp:	853474
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.1	6.6	9.8
68	5.9	5.0	7.4





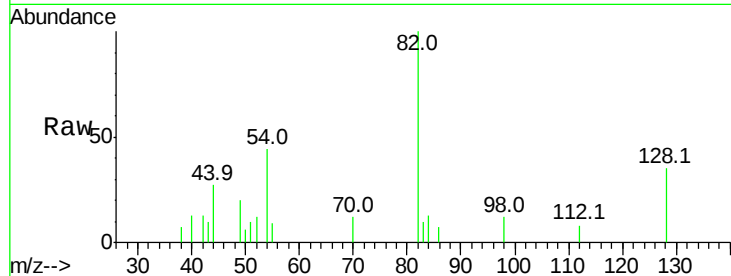
#23
Nitrobenzene-d5
Concen: 0.316 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

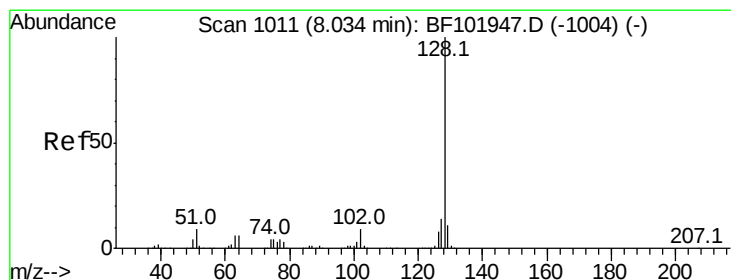
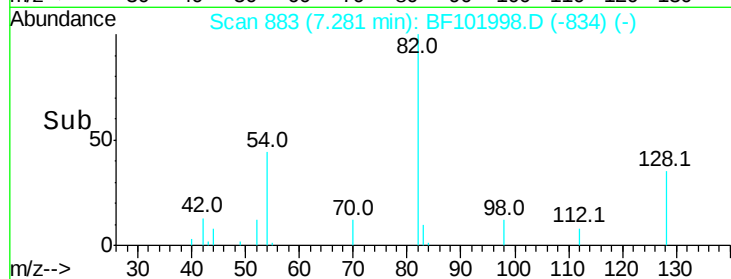
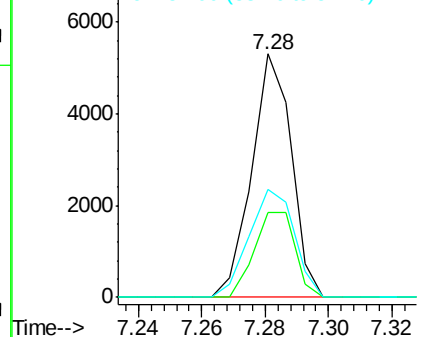
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.9	36.1	54.1#
54	44.5	41.4	62.2

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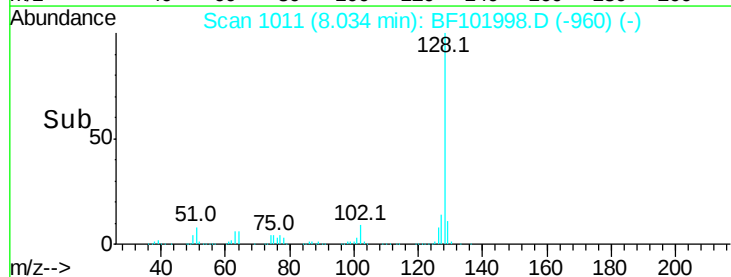
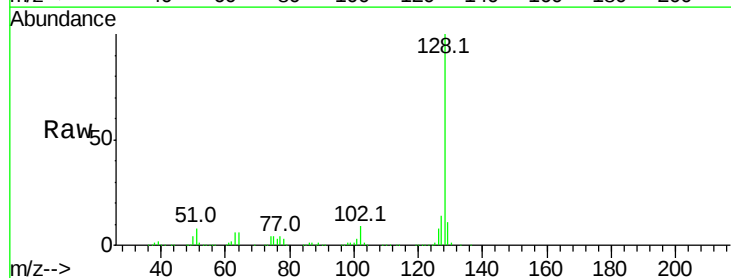
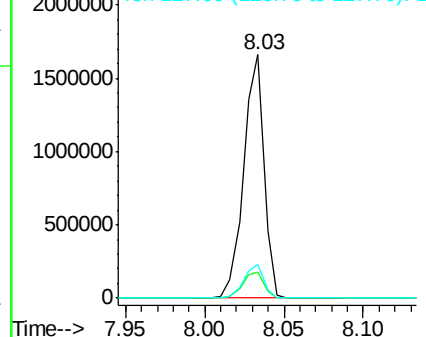
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Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

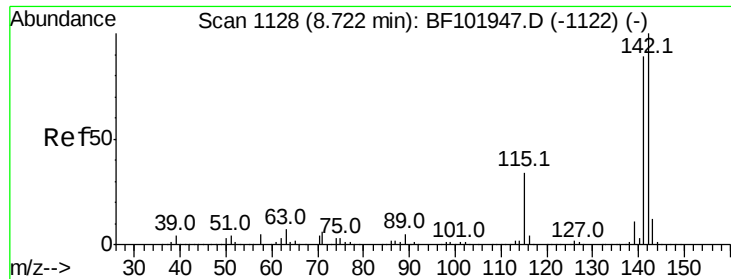


#31
Naphthalene
Concen: 34.443 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.6	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





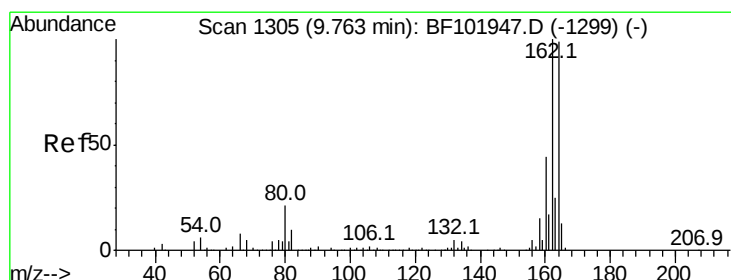
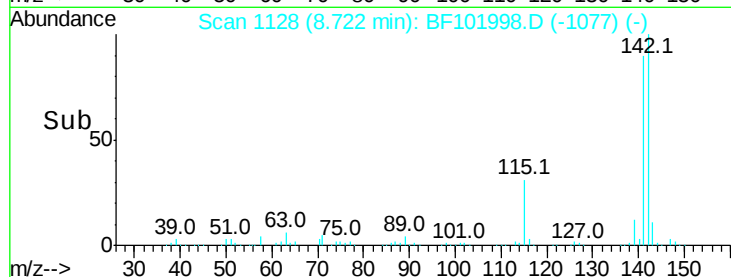
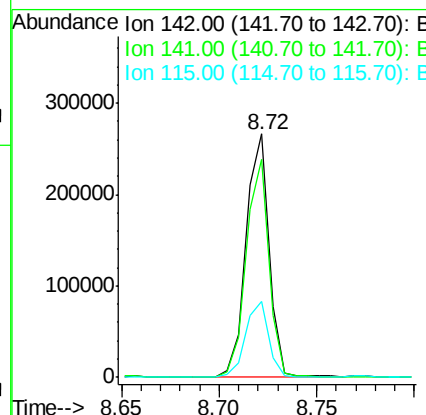
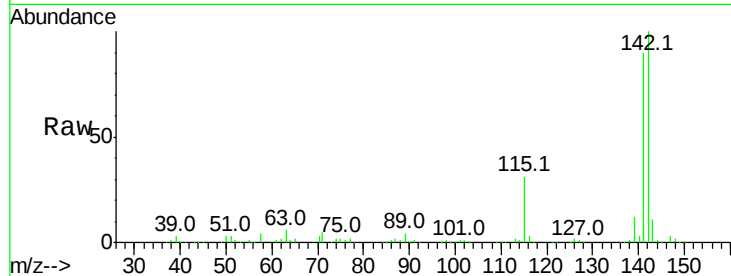
#37
2-Methylnaphthalene
Concen: 7.791 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

Tot Ion	Ratio	Resp	Lower	Upper
142	100	218723		
141	89.8		70.8	106.2
115	31.1		26.1	39.1

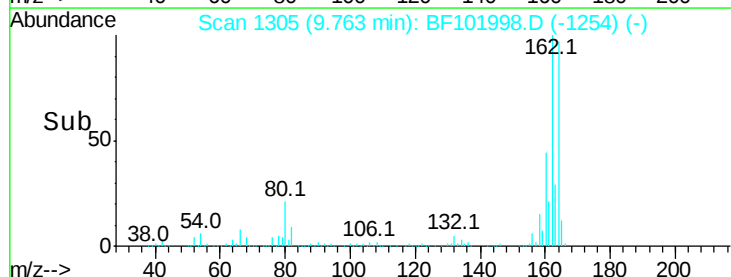
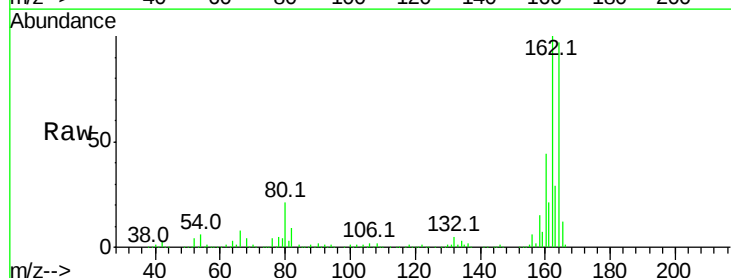
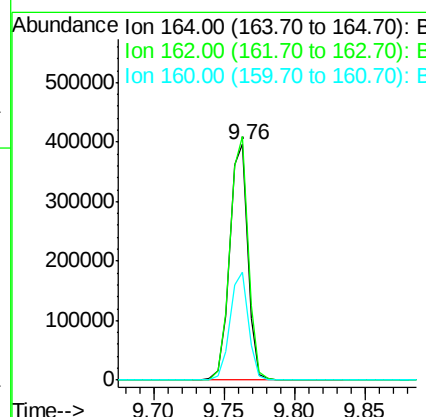
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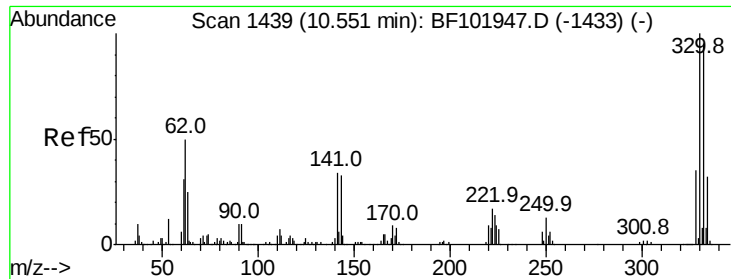
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	354456		
162	103.4		86.1	129.1
160	45.9		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 0.316 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Instrument :

BNA_F

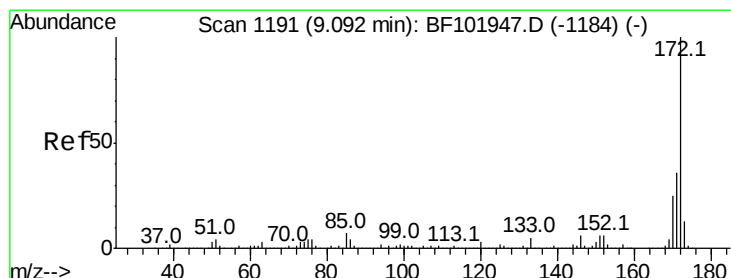
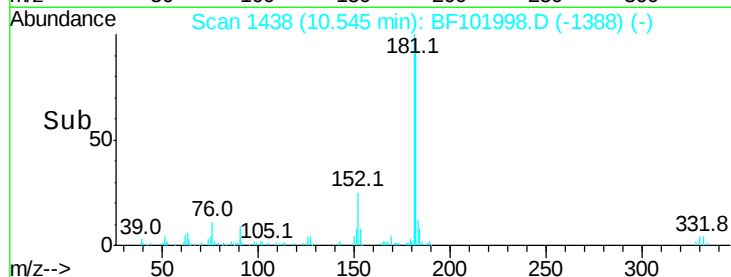
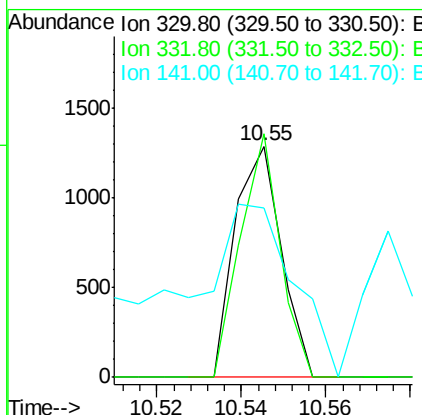
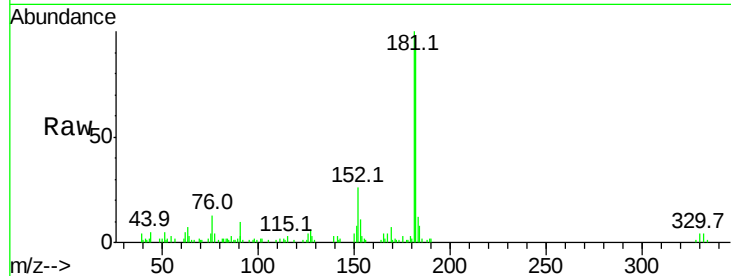
ClientSampleId :

WC-11R-01

Tot Ion:	330	Resp:	976
Ion Ratio	Lower	Upper	
330	100		
332	90.7	77.0	115.6
141	121.8	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 0.385 ng

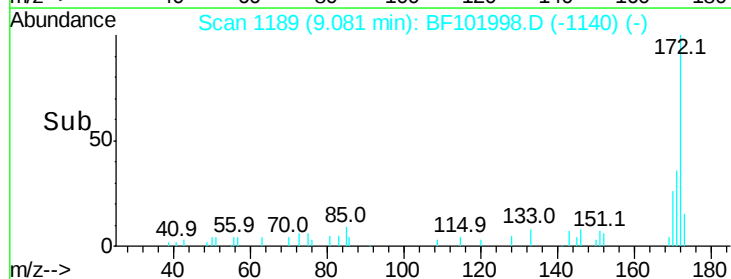
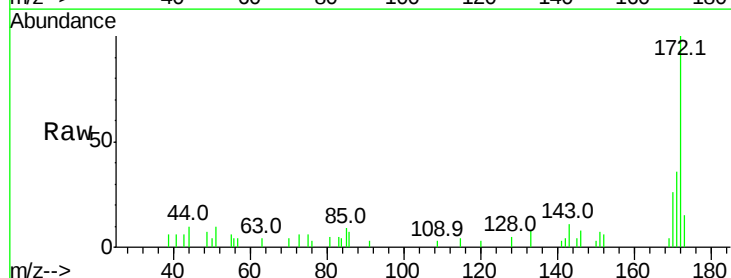
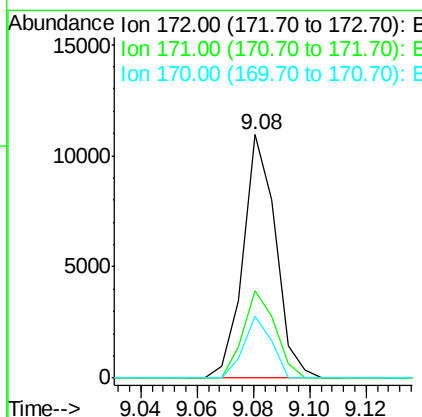
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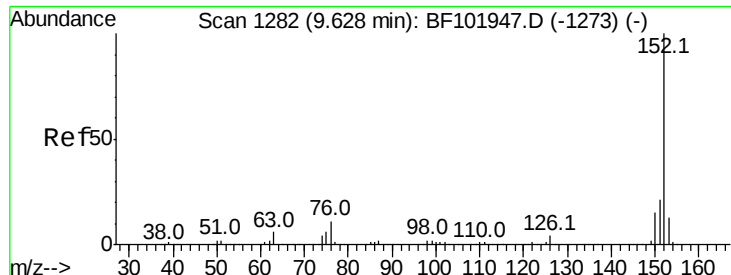
Delta R.T. -0.01 min

Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Tgt Ion:	172	Resp:	8745
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	25.7	19.6	29.4





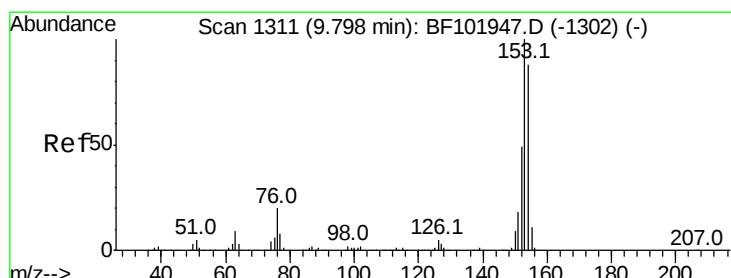
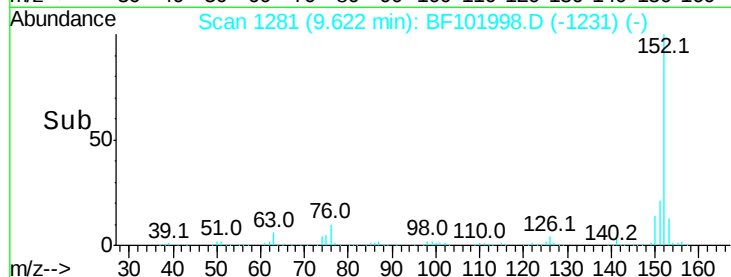
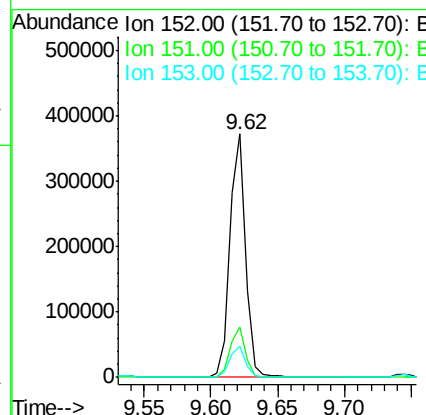
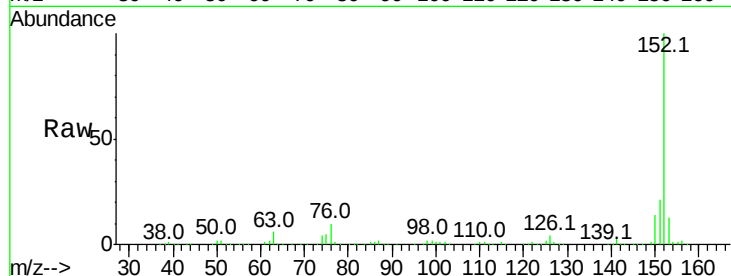
#48
Acenaphthylene
Concen: 8.080 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampled :
WC-11R-01

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	20.6	16.3	24.5
153	12.6	10.7	16.1

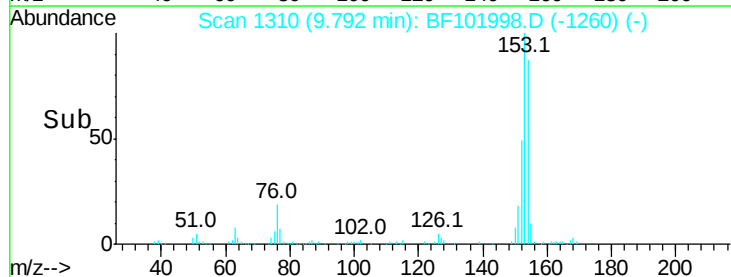
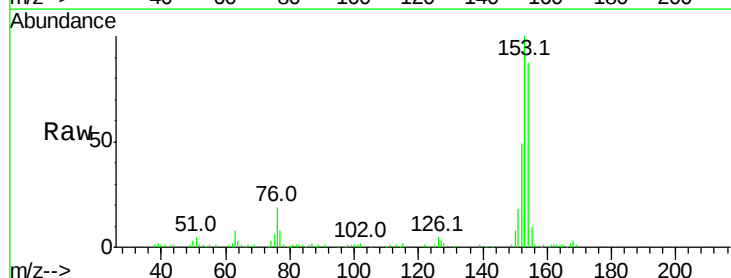
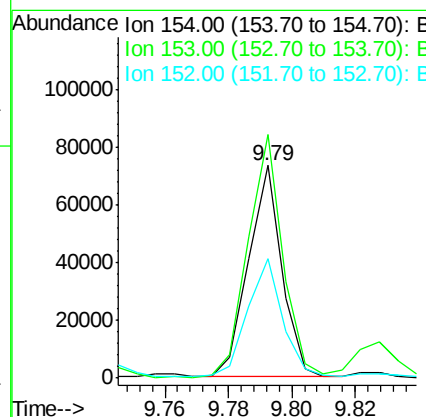
Manual Integrations
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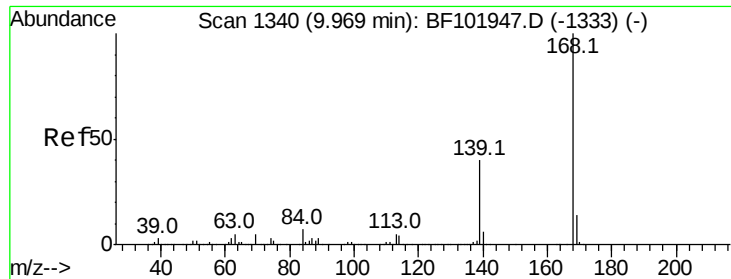
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#51
Acenaphthene
Concen: 2.256 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	114.7	91.2	136.8
152	56.6	43.8	65.8





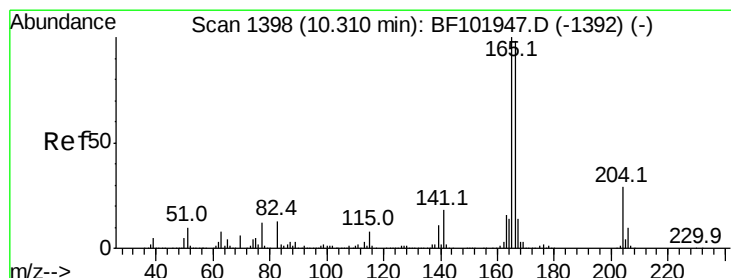
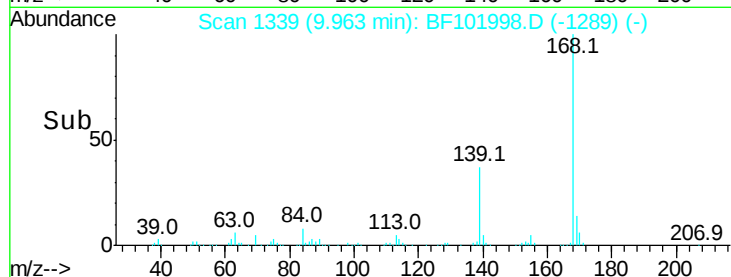
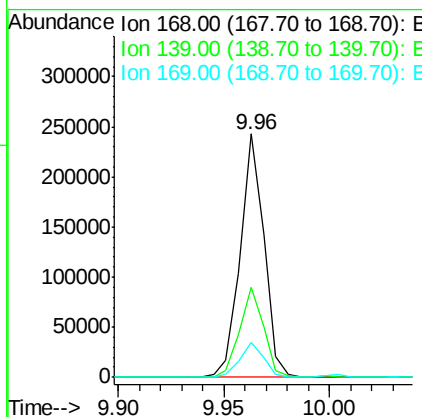
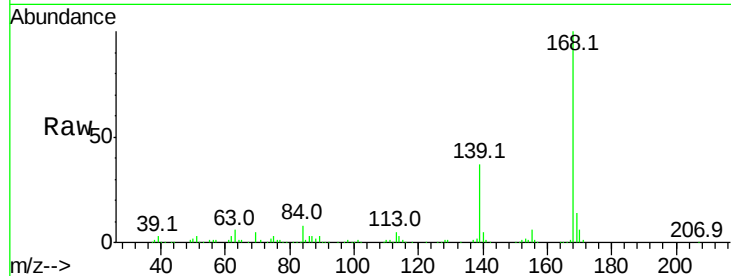
#54
Dibenzofuran
Concen: 5.870 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	188531		
139	37.0		30.1	45.1
169	14.3		10.9	16.3

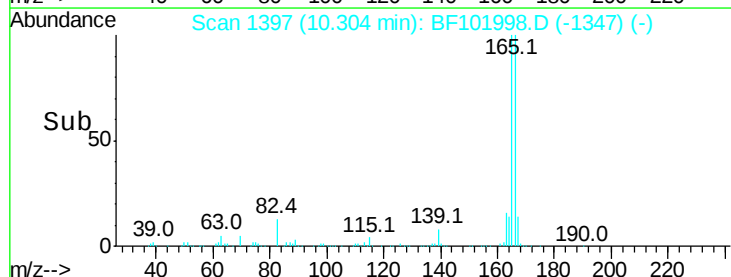
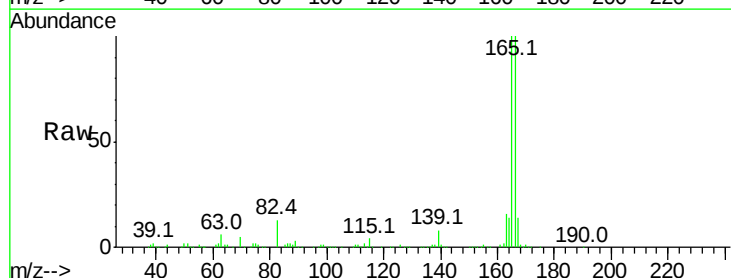
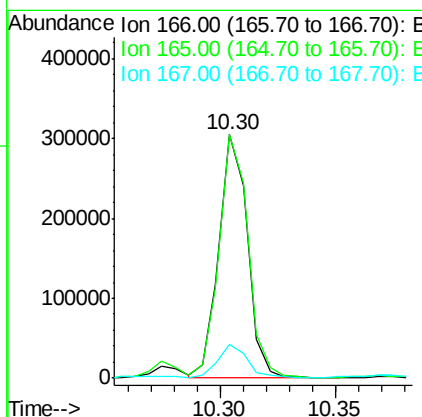
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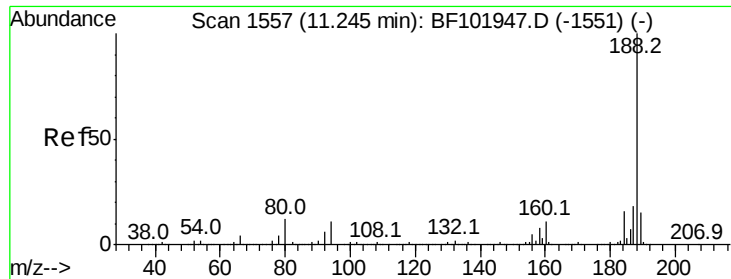
Sohil
1/11/2018 10:53:17 AM



#57
Fluorene
Concen: 11.703 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	259848		
165	99.9		79.8	119.8
167	13.8		10.6	16.0





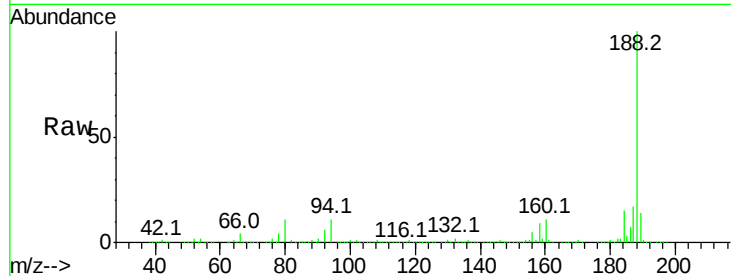
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

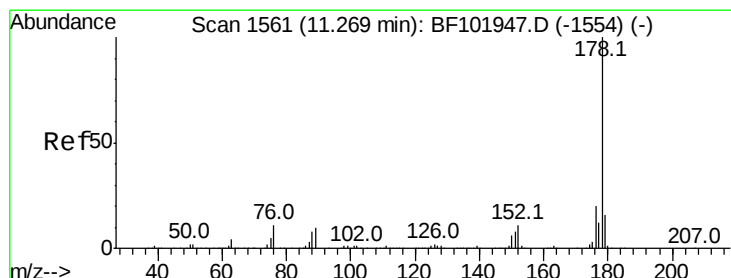
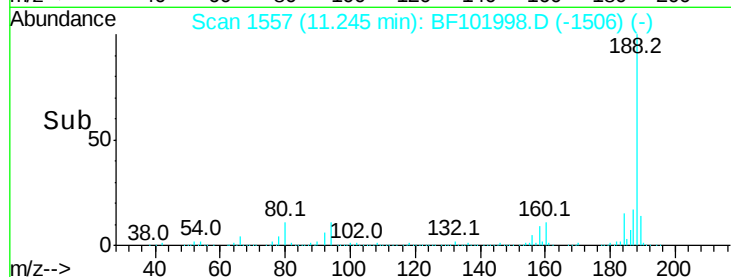
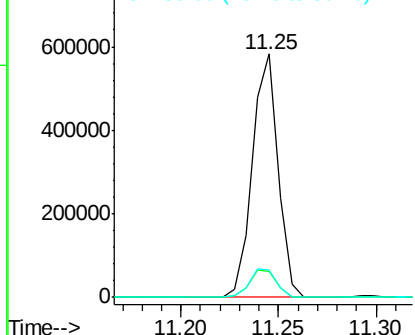
Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.9	8.5	12.7	
80	11.2	9.2	13.8	

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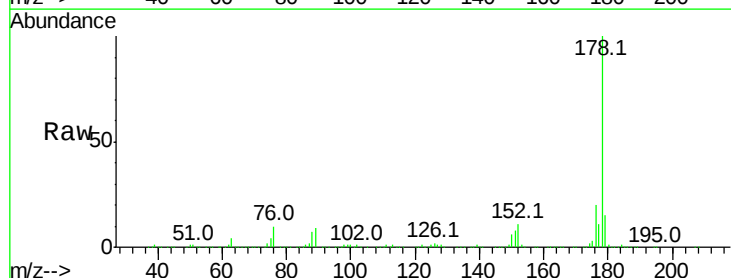


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

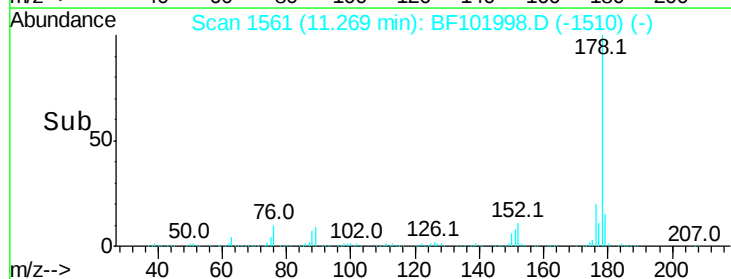
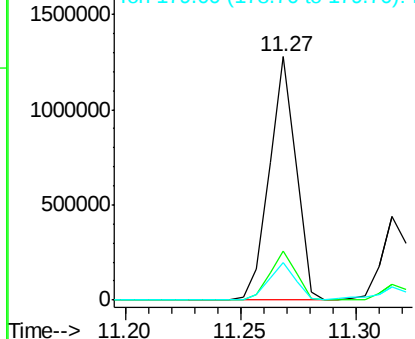


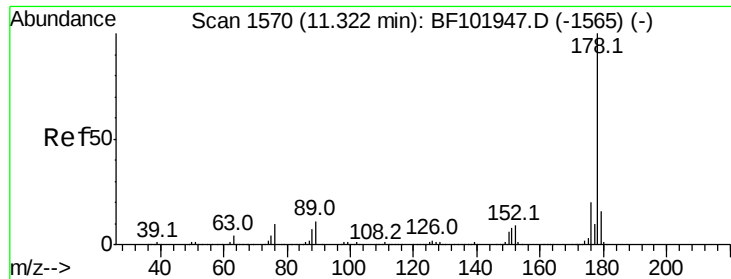
#70
Phenanthrene
Concen: 33.025 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.4	15.8	23.8	
179	15.3	13.0	19.6	



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





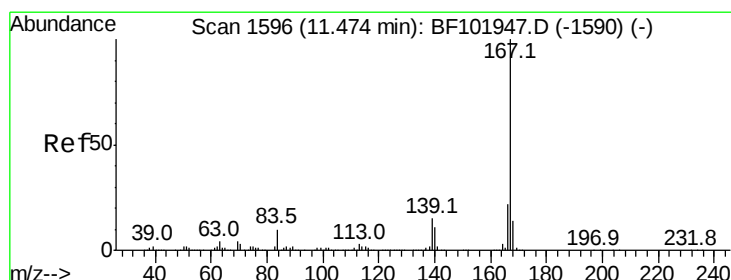
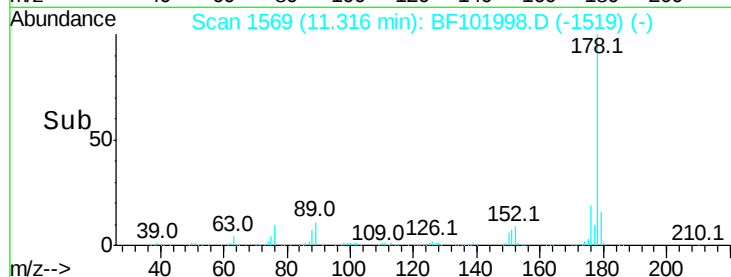
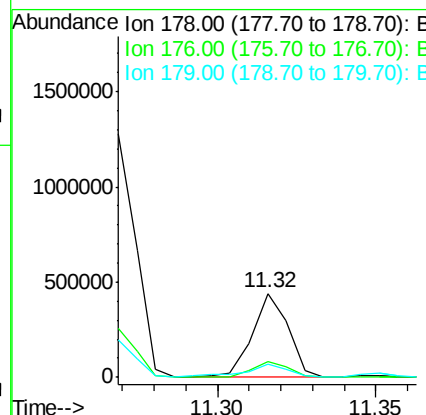
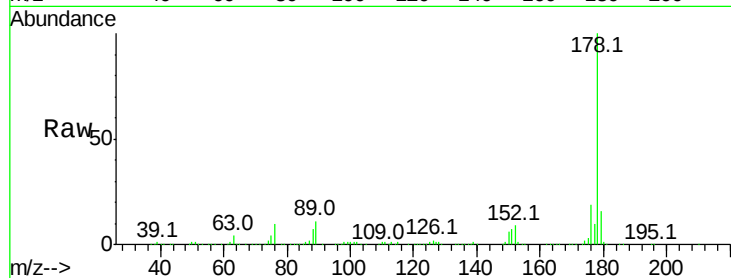
#71
 Anthracene
 Concen: 10.920 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF101998.D
 Acq: 10 Jan 2018 23:56

Instrument :
 BNA_F
 ClientSampleId :
 WC-11R-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.0	12.6	19.0

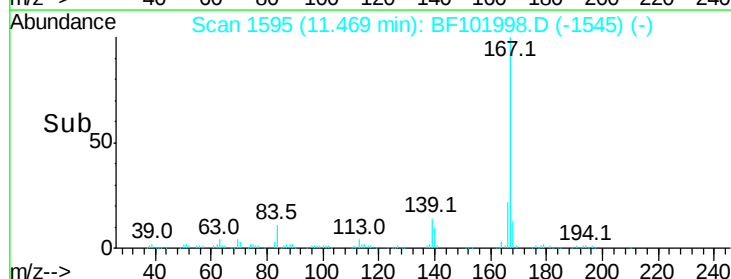
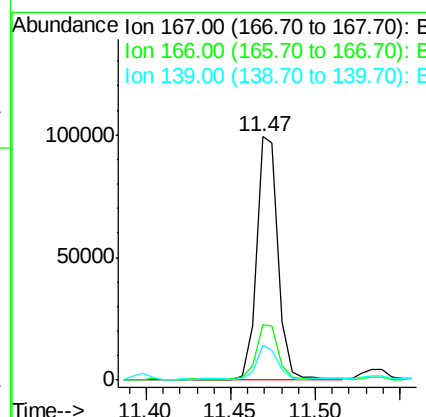
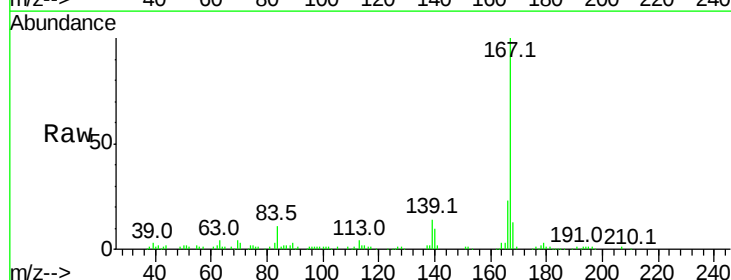
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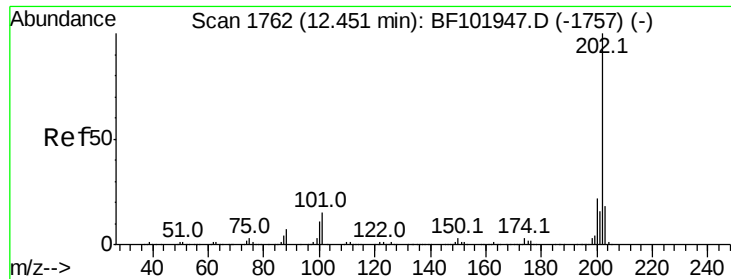
Sohil
 1/11/2018 10:53:17 AM



#72
 Carbazole
 Concen: 2.883 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF101998.D
 Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	14.4	10.9	16.3





#74

Fluoranthene

Concen: 21.237 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Instrument :

BNA_F

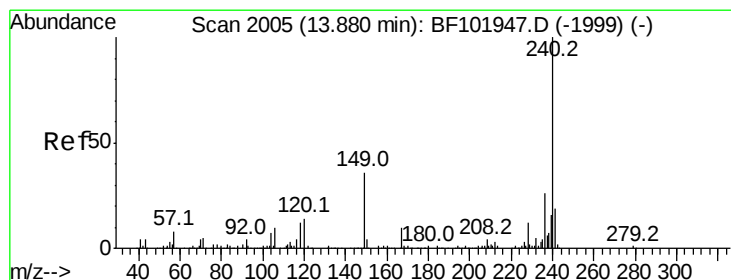
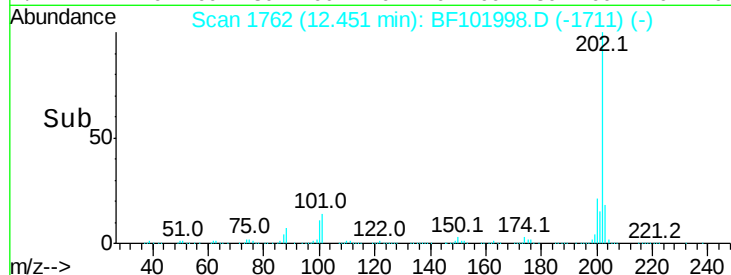
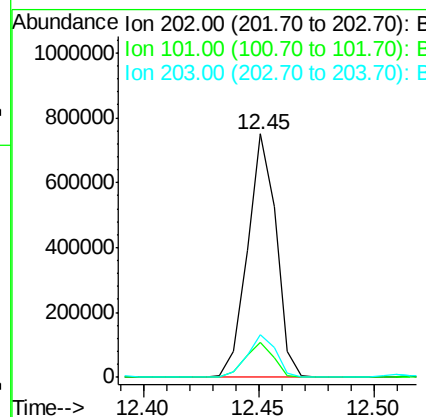
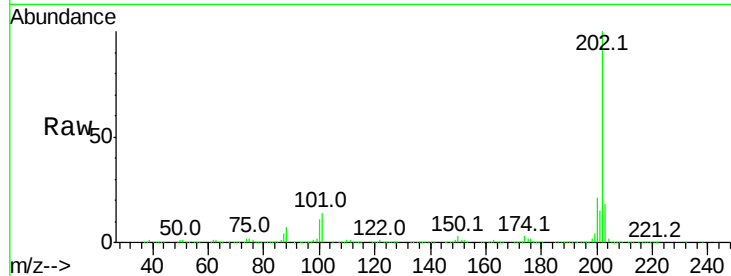
ClientSampleId :

WC-11R-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100	647353		
101	14.5	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

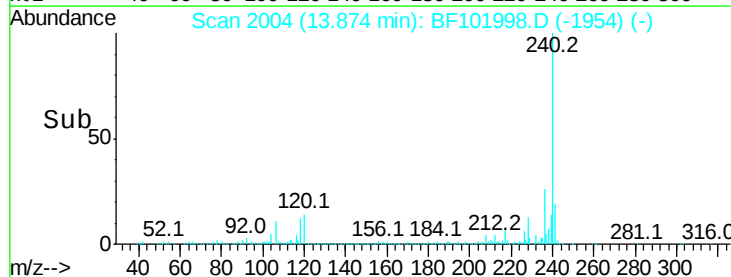
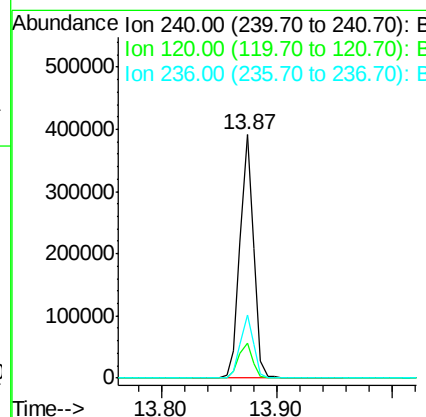
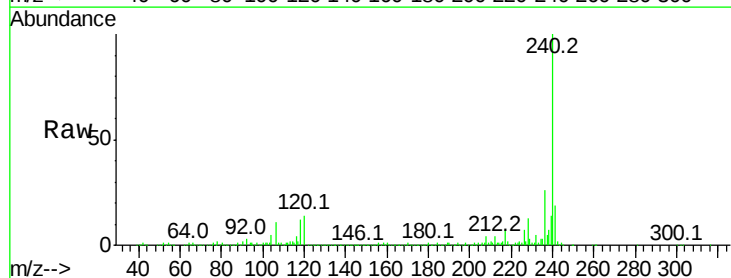
RT: 13.87 min Scan# 2004

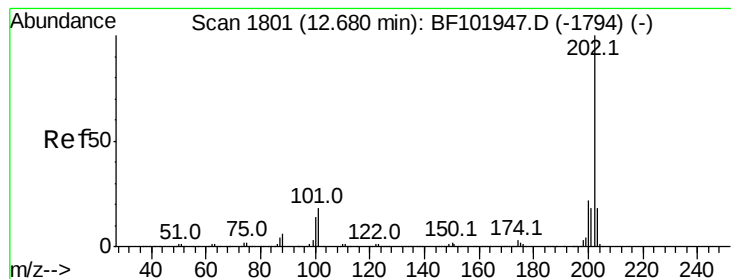
Delta R.T. -0.01 min

Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	321167		
120	14.1	9.5	14.3	
236	26.0	20.7	31.1	





#77

Pvrene

Concen: 19.810 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Instrument :

BNA_F

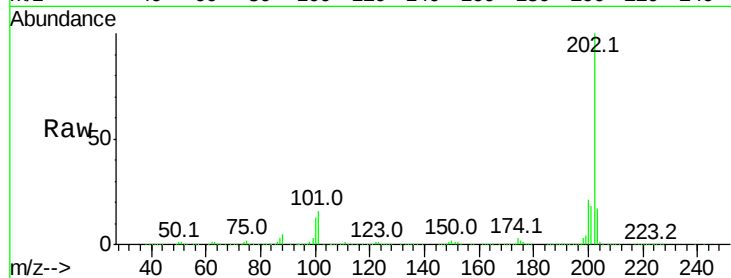
ClientSampleId :

WC-11R-01

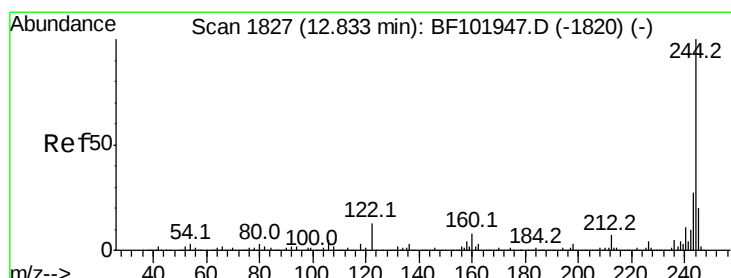
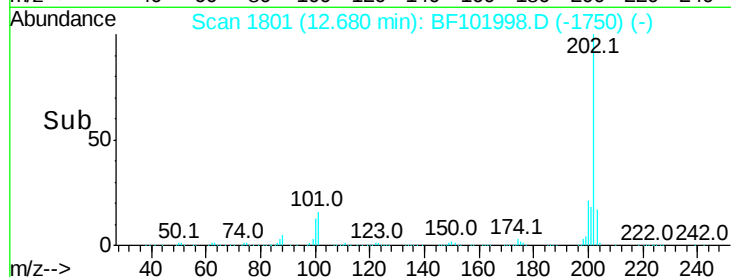
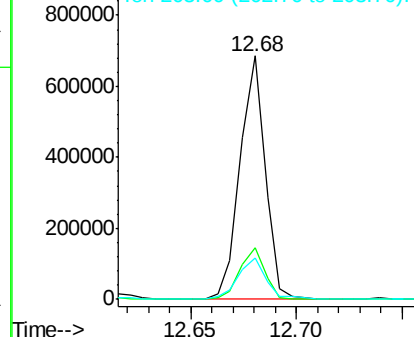
Tot Ion:	202	Resp:	562401
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.0	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 0.378 ng

RT: 12.82 min Scan# 1825

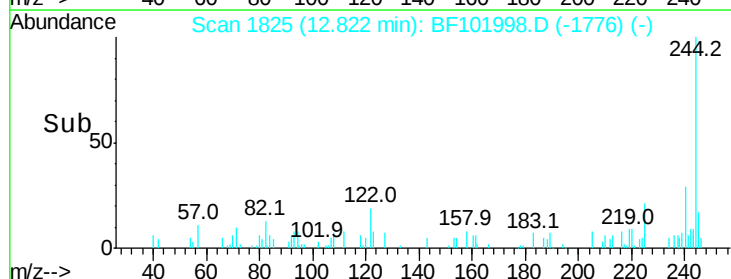
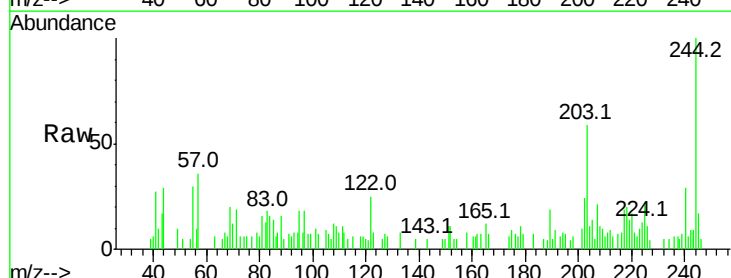
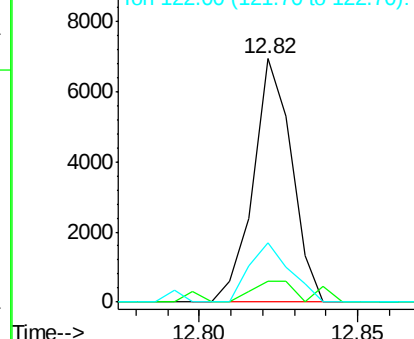
Delta R.T. -0.01 min

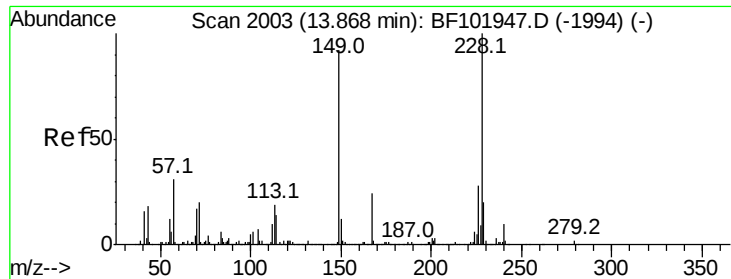
Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Tgt Ion:	244	Resp:	5846
Ion Ratio	Lower	Upper	
244	100		
212	8.6	5.4	8.0#
122	24.5	11.0	16.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





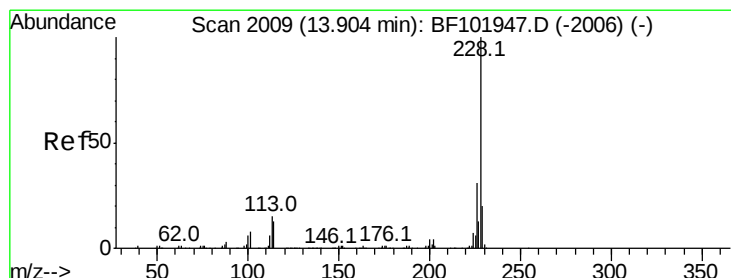
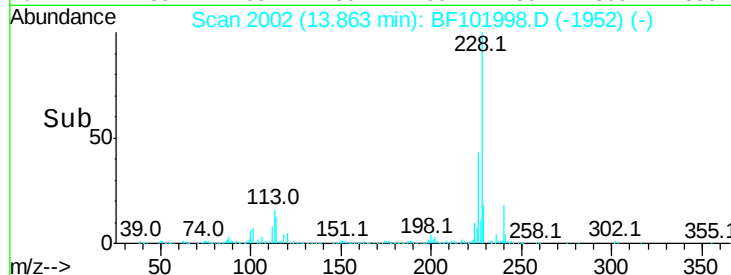
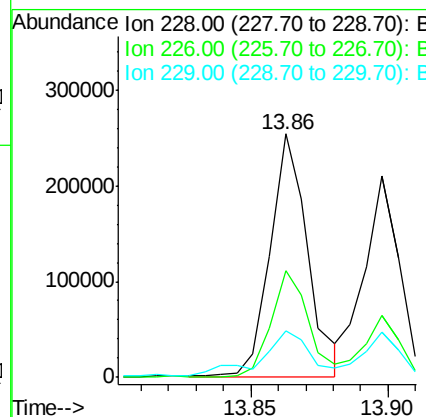
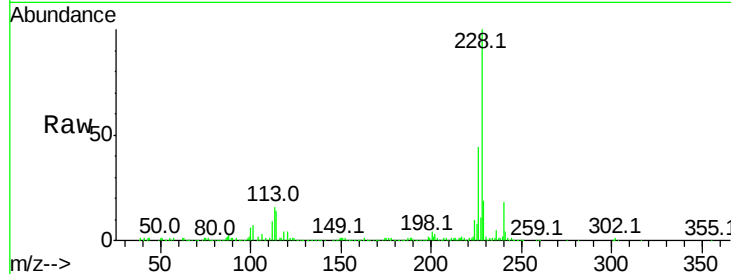
#80
Benzo(a)anthracene
Concen: 11.725 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.6	22.6	33.8#
229	19.0	15.8	23.6

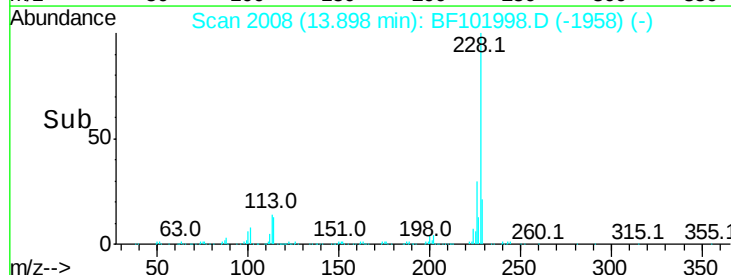
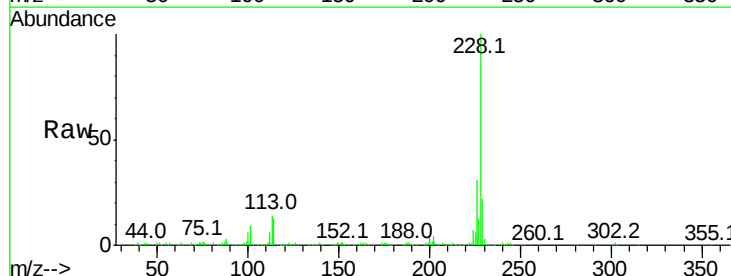
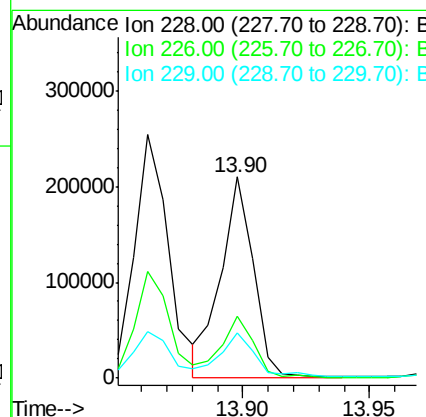
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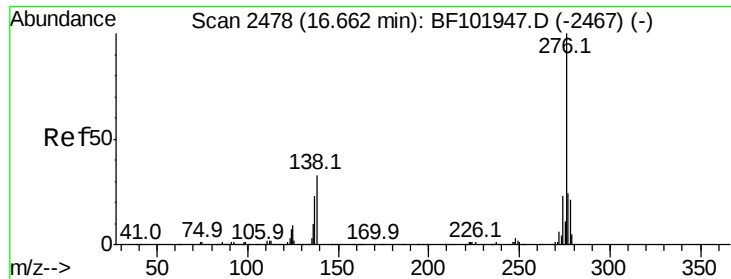
Sohil
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#82
Chrysene
Concen: 8.771 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.4	16.2	24.4





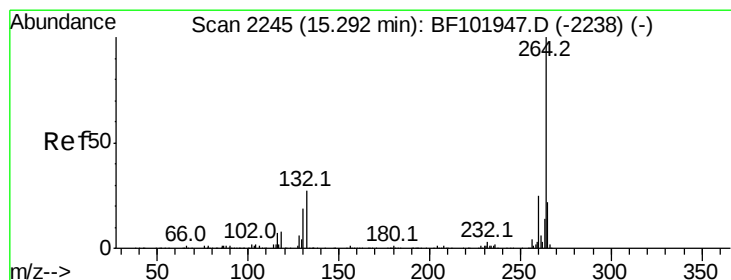
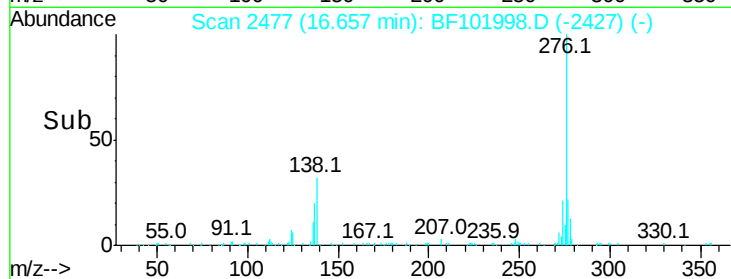
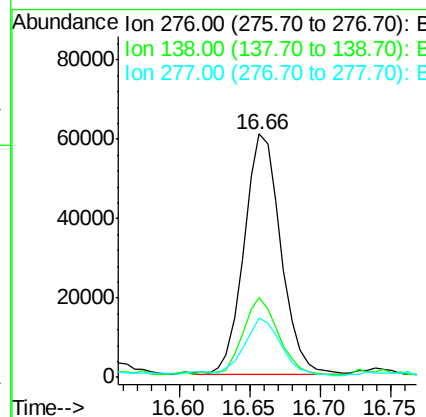
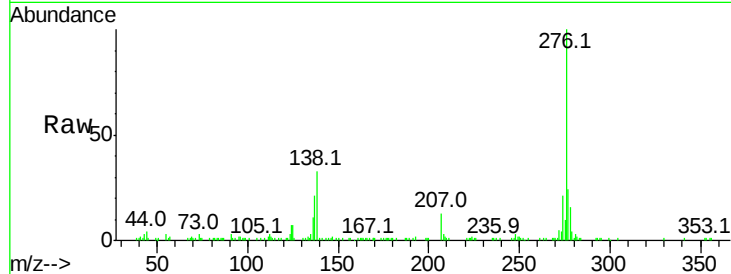
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.130 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.7	25.0	37.6
277	23.9	20.1	30.1

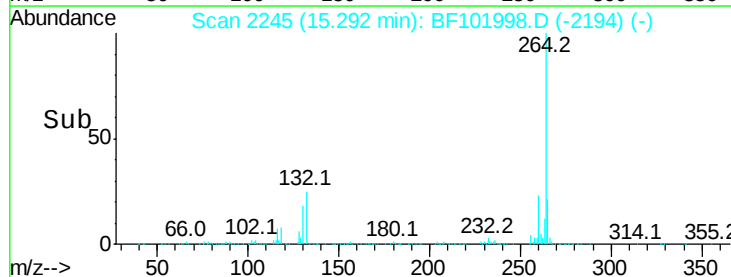
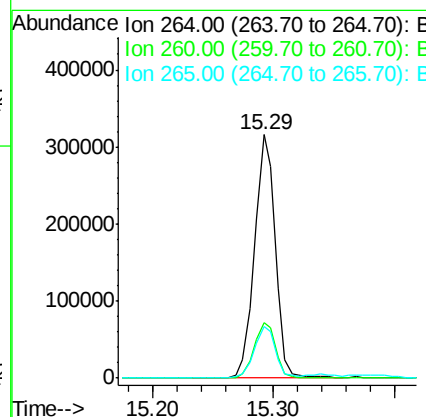
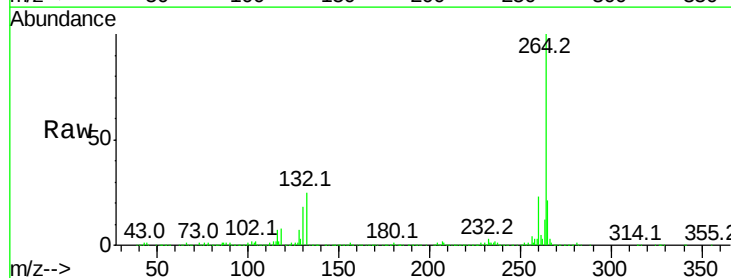
Manual Integrations
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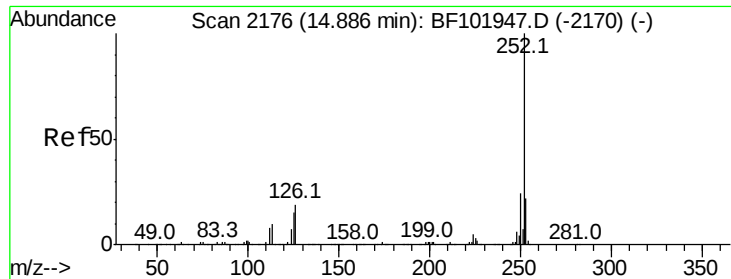
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.633 ng m

RT: 14.89 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BF101998.D

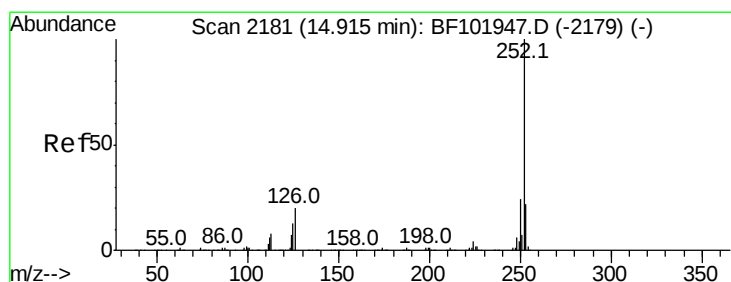
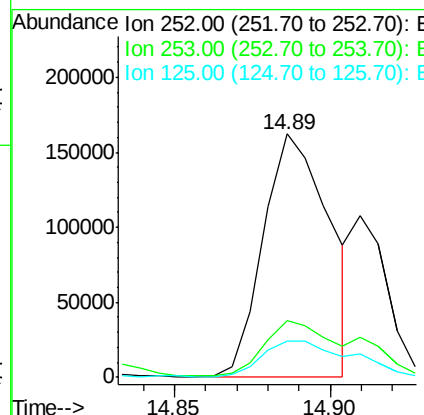
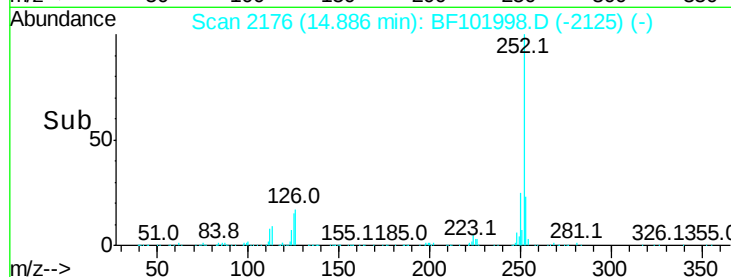
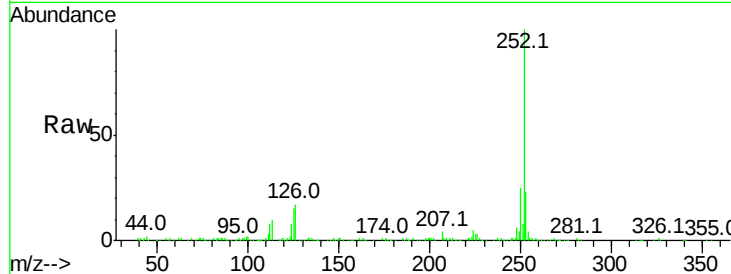
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	15.1	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 3.511 ng m

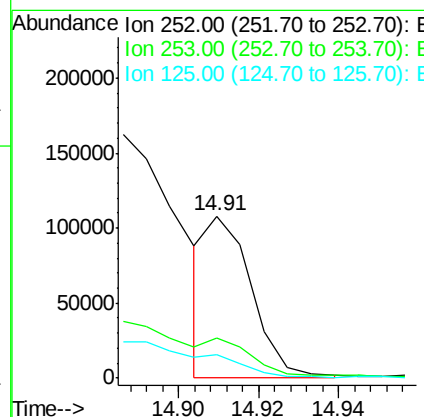
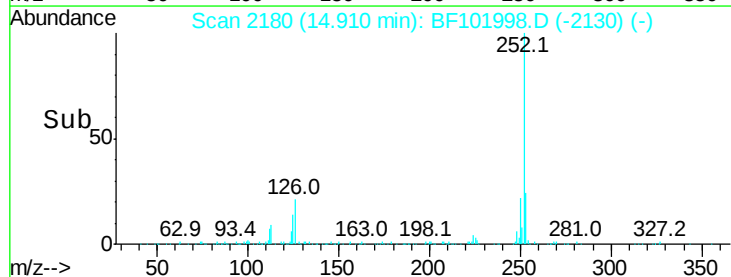
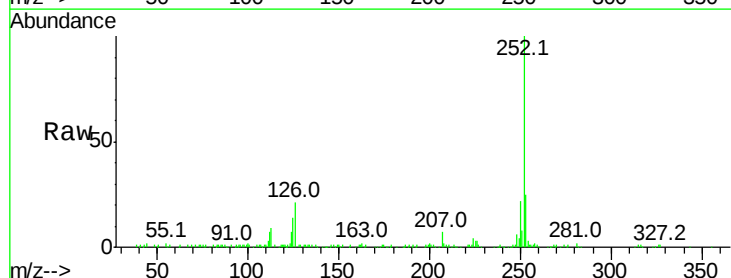
RT: 14.91 min Scan# 2180

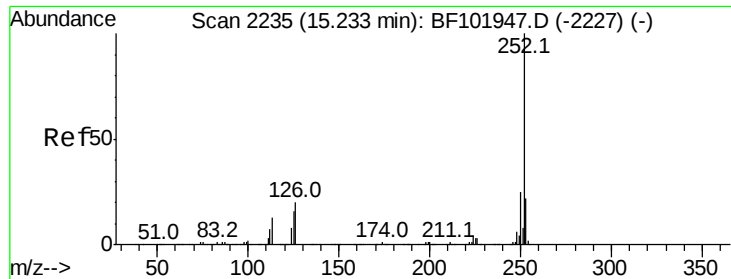
Delta R.T. -0.01 min

Lab File: BF101998.D

Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	14.2	10.2	15.2





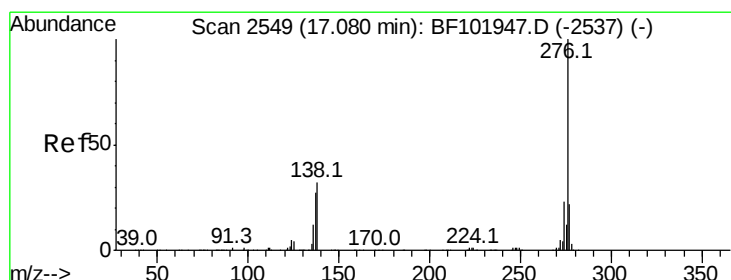
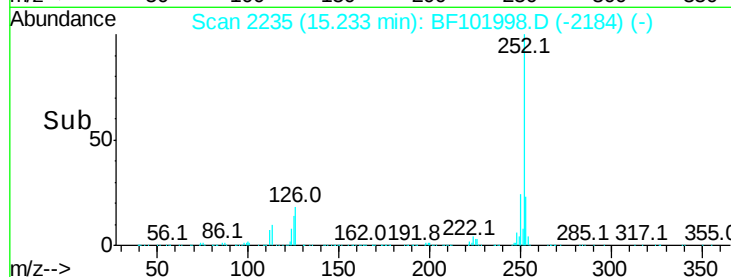
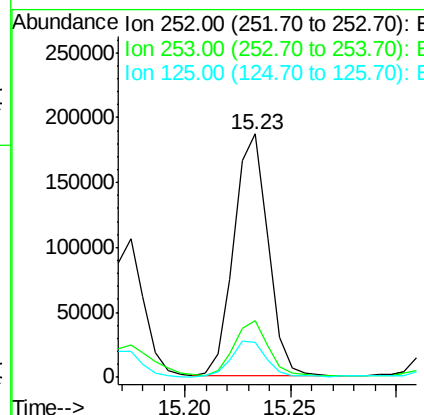
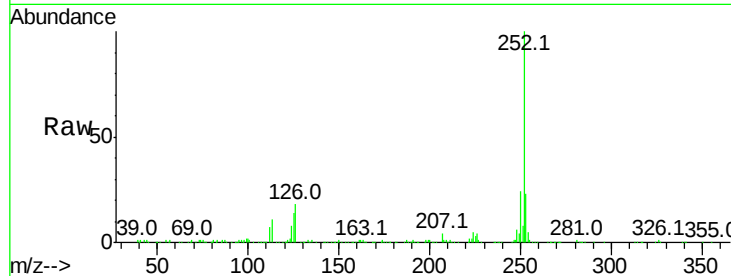
#89
Benzo(a)pyrene
Concen: 9.366 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Instrument :
BNA_F
ClientSampleId :
WC-11R-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.5	9.8	14.6

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1/11/2018 10:53:17 AM



#91
Benzo(g,h,i)perylene
Concen: 5.746 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF101998.D
Acq: 10 Jan 2018 23:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	30.8	21.8	32.8

