

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101985.D
 Acq On : 10 Jan 2018 18:09
 Operator : SJ/JU
 Sample : J1076-02 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-03

Manual Integrations
 APPROVED

Sohil
 1/11/2018 10:52:44 AM

Quant Time: Jan 11 03:26:27 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	219413	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	896520	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	383726	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	610233	20.00	ng	0.00
75) Chrysene-d12	13.87	240	331559	20.00	ng	0.00
86) Perylene-d12	15.30	264	356267	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	8405	0.54	ng	0.00
7) Phenol-d6	6.35	99	9336	0.50	ng	0.00
23) Nitrobenzene-d5	7.50	82	533	0.03	ng	0.21
41) 2,4,6-Tribromophenol	10.55	330	1555	0.46	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	11848	0.48	ng	0.00
78) Terphenyl-d14	12.83	244	10228	0.64	ng	0.00
Target Compounds						
31) Naphthalene	8.04	128	3284381	73.316	ng	98
37) 2-Methylnaphthalene	8.73	142	1250223	42.393	ng	100
45) 1,1'-Biphenyl	9.19	154	260027	7.667	ng	98
48) Acenaphthylene	9.62	152	151597	3.632	ng	# 92
51) Acenaphthene	9.80	154	596147	23.531	ng	98
54) Dibenzofuran	9.96	168	103136	2.966	ng	# 86
57) Fluorene	10.31	166	487812	20.295	ng	100
70) Phenanthrene	11.27	178	1860576	52.196	ng	99
71) Anthracene	11.32	178	588749	16.286	ng	99
74) Fluoranthene	12.46	202	674317	19.227	ng	98
77) Pyrene	12.69	202	941476	32.124	ng	99
80) Benzo(a)anthracene	13.87	228	217263m	10.270	ng	
82) Chrysene	13.90	228	191306	8.673	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	93509	5.824	ng	98
87) Benzo(b)fluoranthene	14.89	252	161785m	6.965	ng	
88) Benzo(k)fluoranthene	14.90	252	60850m	2.715	ng	
89) Benzo(a)pyrene	15.23	252	197531	9.450	ng	98
91) Benzo(g,h,i)perylene	17.08	276	106737	6.352	ng	96

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

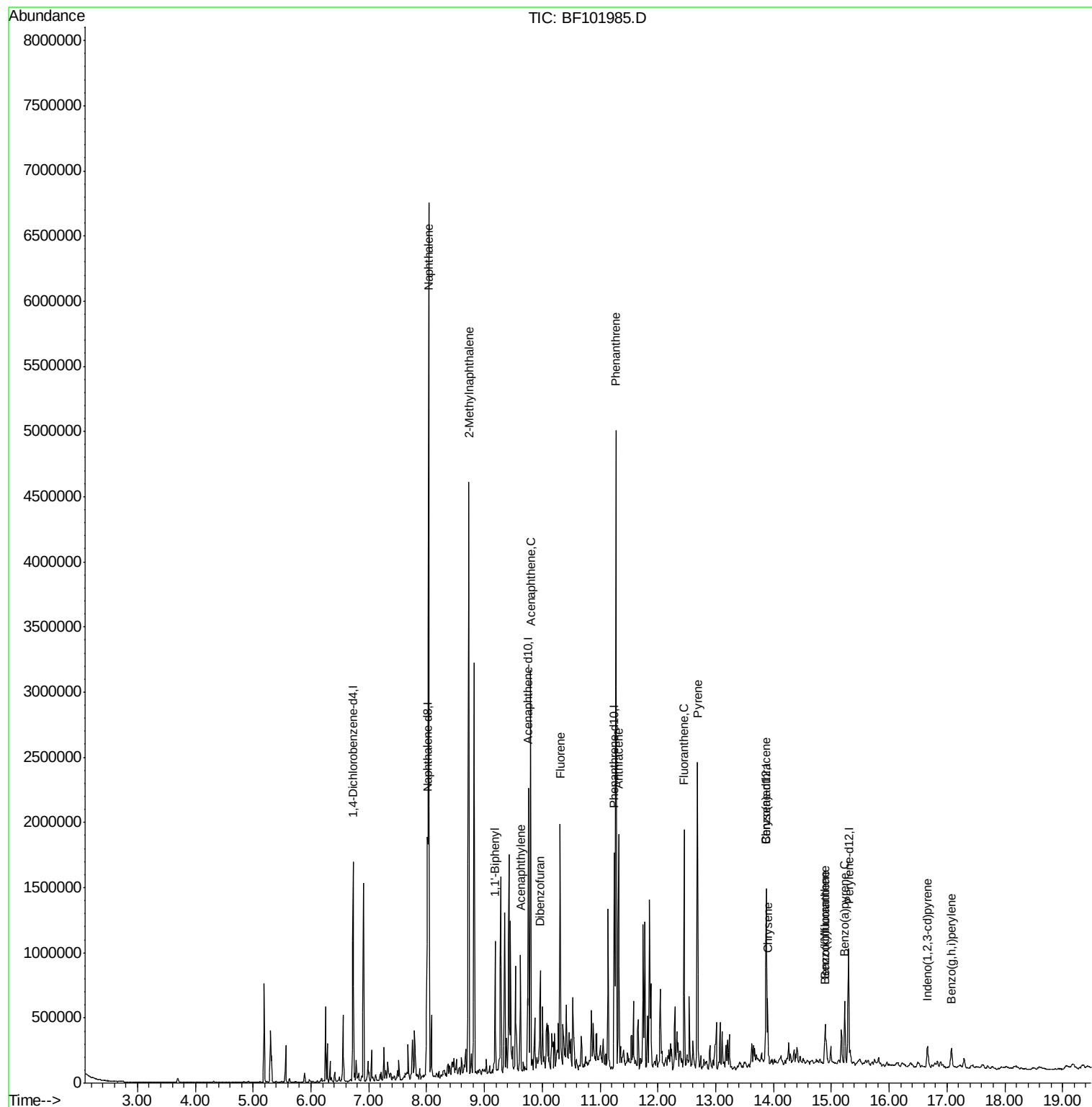
Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101985.D
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ALS Vial : 6 Sample Multiplier: 1

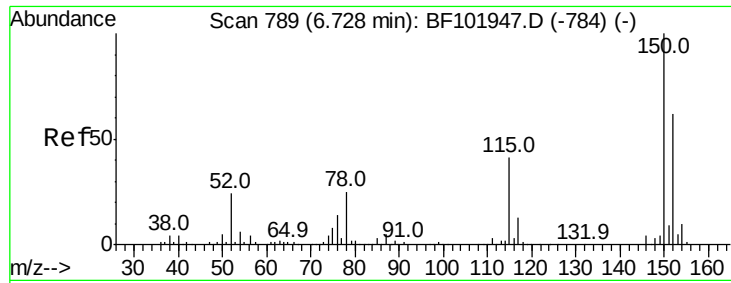
Instrument :
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WC-7317-03

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#1

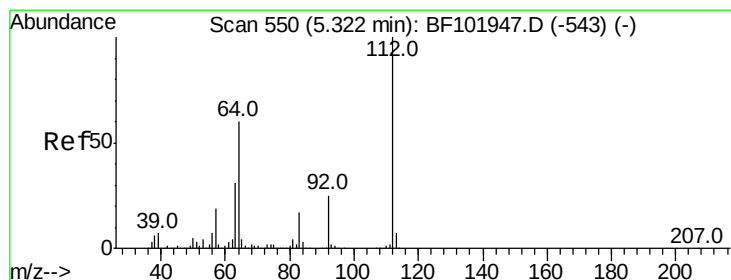
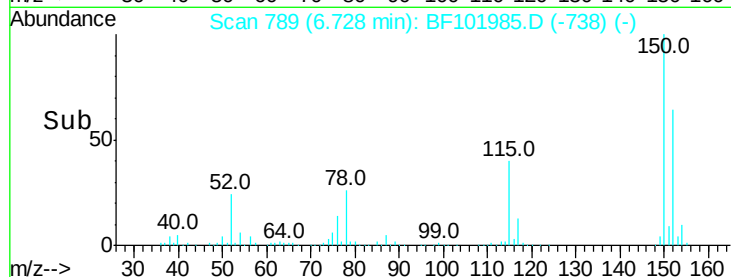
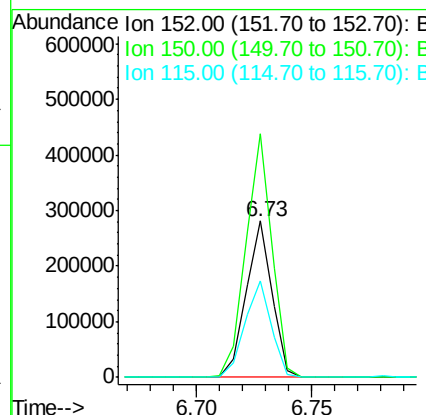
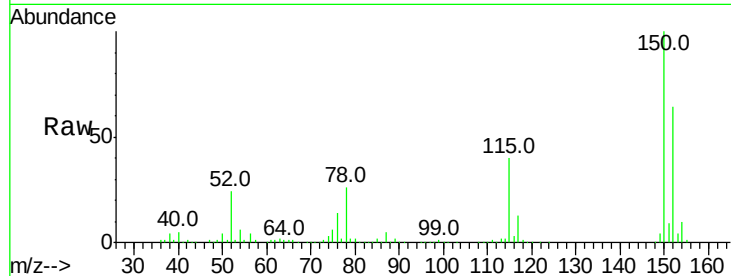
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Instrument :
BNA_F
ClientSampleId :
WC-7317-03

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	62.1	50.1	75.1

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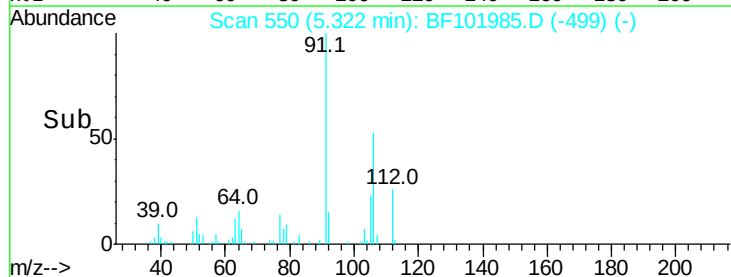
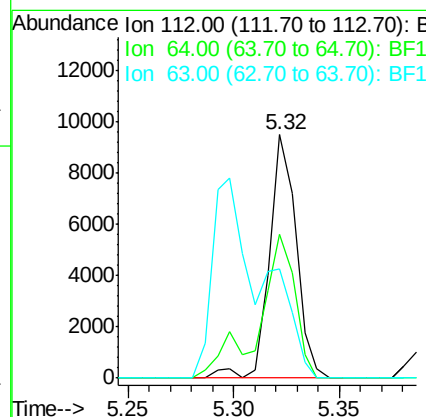
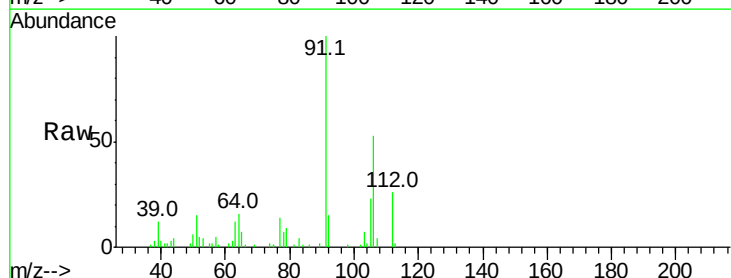
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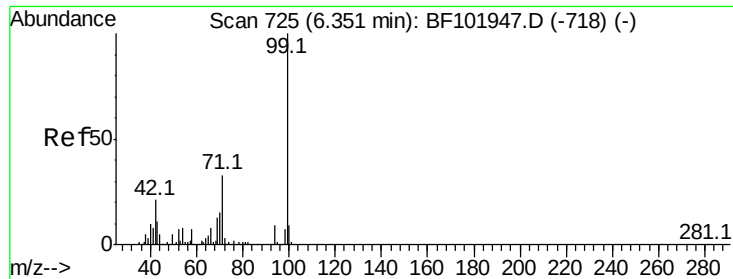


#5

2-Fluorophenol
Concen: 0.541 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	45.0	23.7	35.5





#7

Phenol-d6

Concen: 0.504 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Instrument :

BNA_F

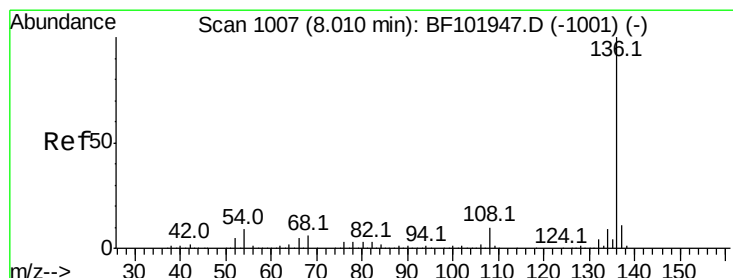
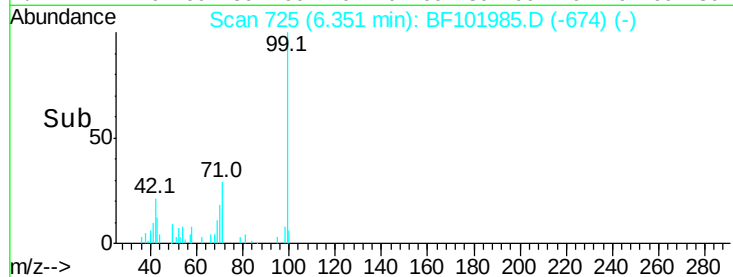
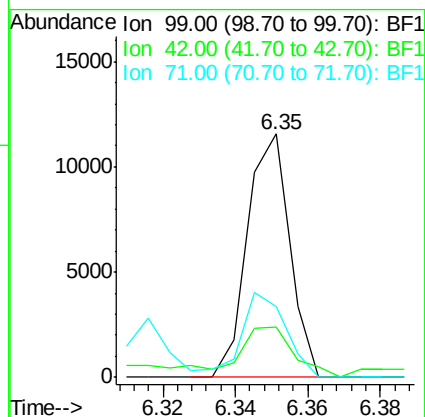
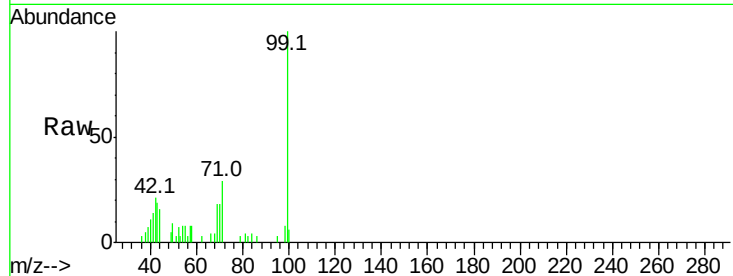
ClientSampled :

WC-7317-03

Tot Ion:	99	Resp:	9336
Ion Ratio	Lower	Upper	
99	100		
42	20.8	14.5	21.7
71	28.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

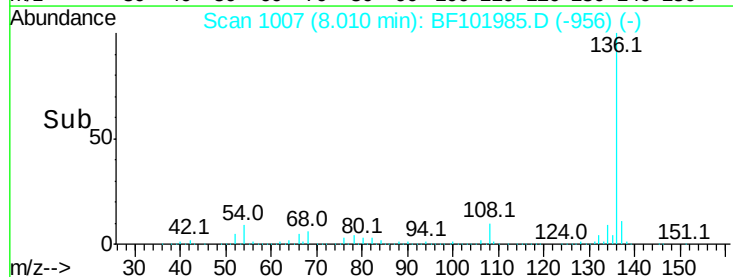
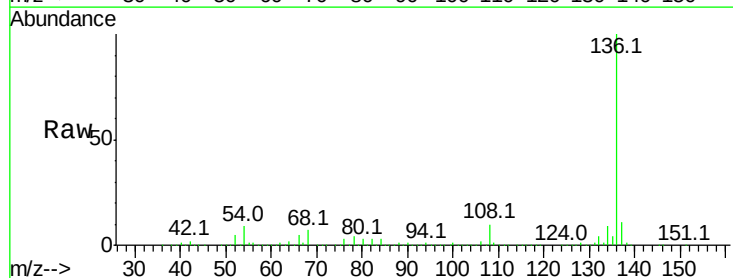
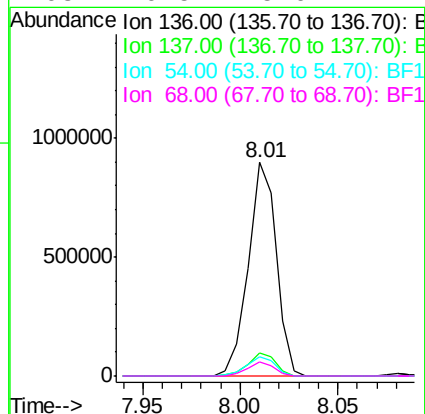
RT: 8.01 min Scan# 1007

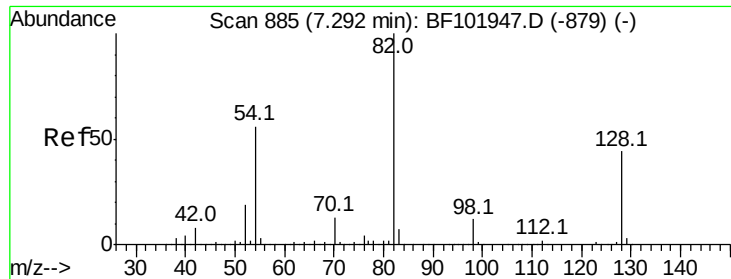
Delta R.T. -0.00 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Tgt Ion:	136	Resp:	896520
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	9.2	6.6	9.8
68	6.5	5.0	7.4





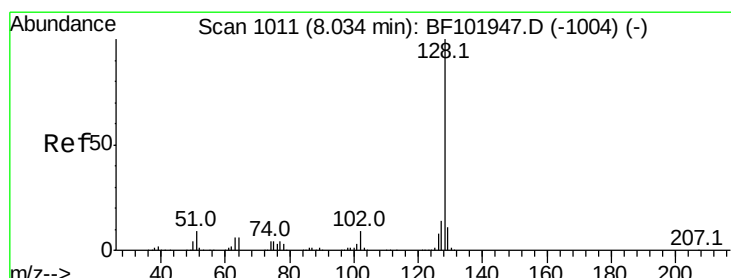
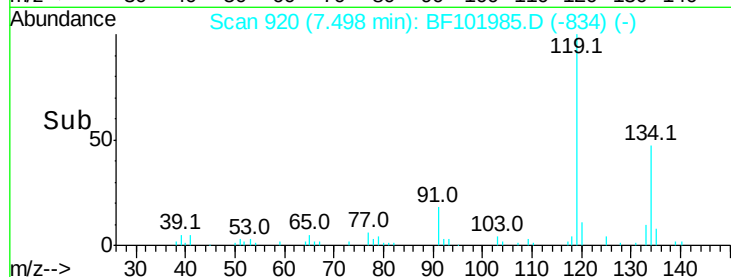
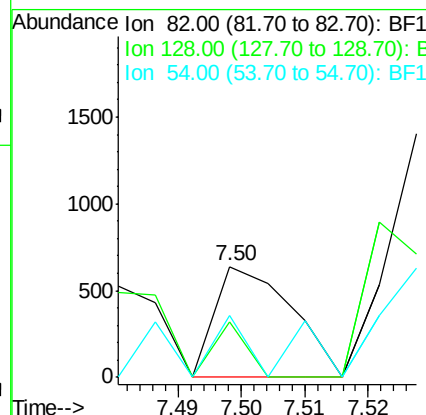
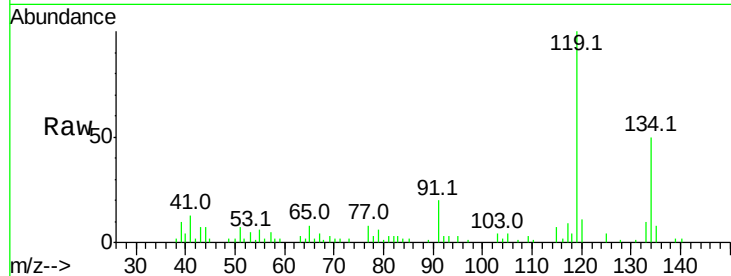
#23
 Nitrobenzene-d5
 Concen: 0.035 ng
 RT: 7.50 min Scan# 920
 Delta R.T. 0.21 min
 Lab File: BF101985.D
 Acq: 10 Jan 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-03

Tot Ion	82	128	54
Ion Ratio	100	49.4	56.1
Lower		36.1	41.4
Upper		54.1	62.2

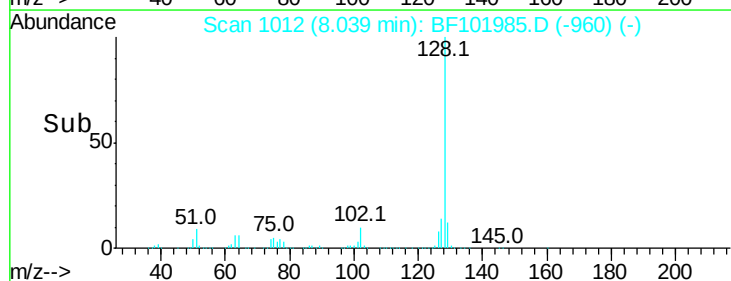
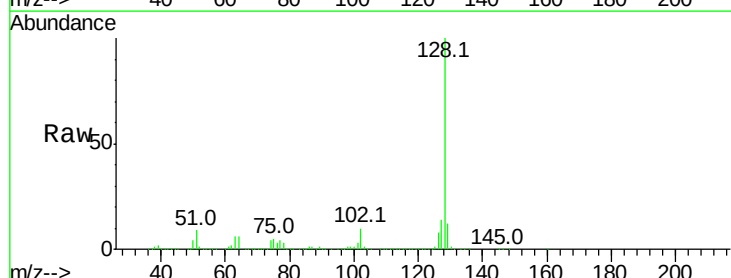
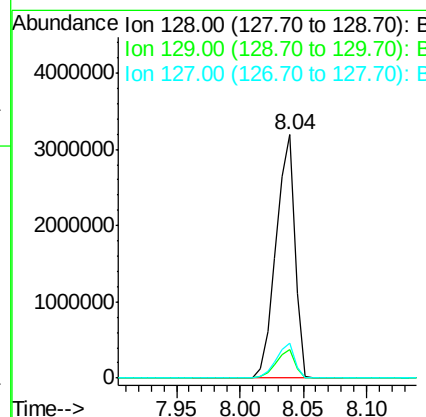
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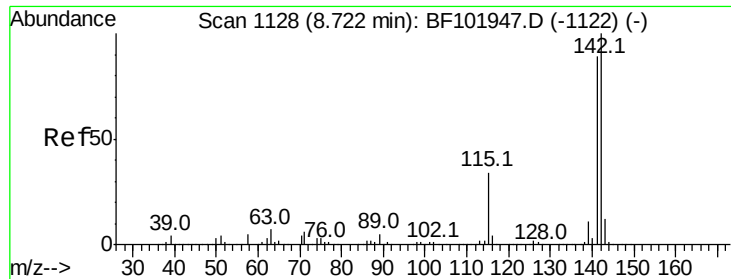
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#31
 Naphthalene
 Concen: 73.316 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: BF101985.D
 Acq: 10 Jan 2018 18:09

Tgt Ion	128	129	127
Ion Ratio	100	11.7	14.2
Lower		8.8	10.9
Upper		13.2	16.3





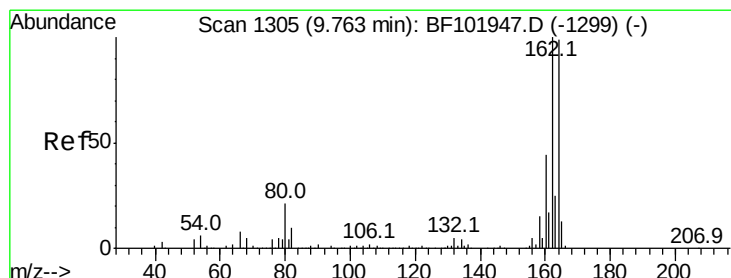
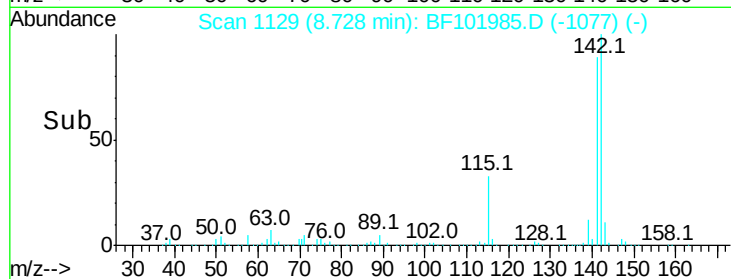
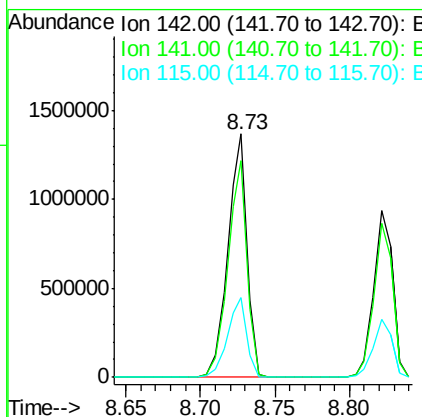
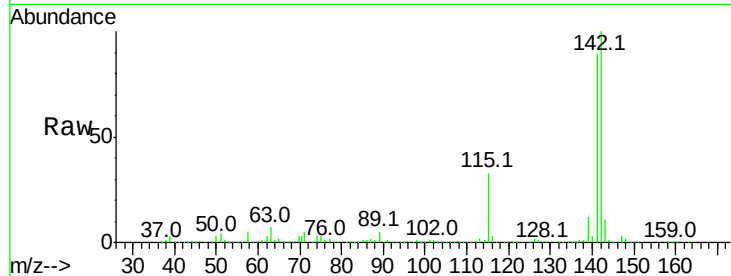
#37
2-Methylnaphthalene
Concen: 42.393 ng
RT: 8.73 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Instrument :
BNA_F
ClientSampleId :
WC-7317-03

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.8	106.2
115	32.6	26.1	39.1

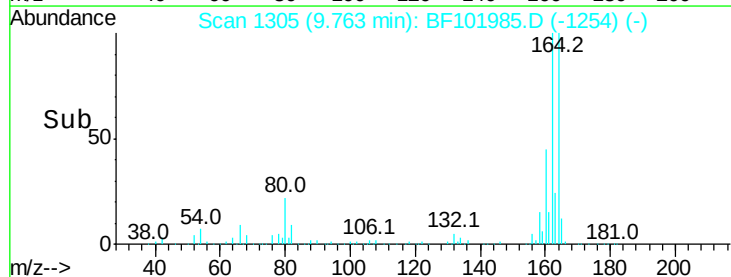
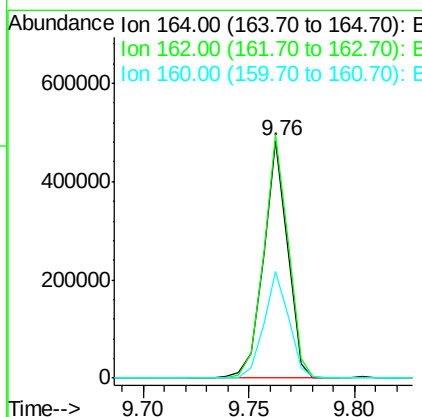
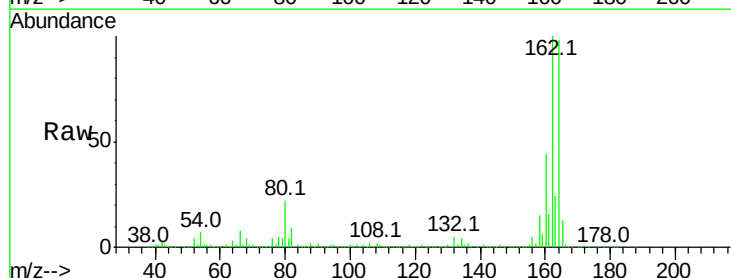
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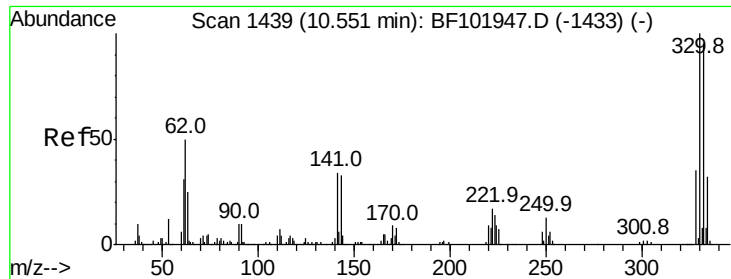
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	44.8	38.3	57.5





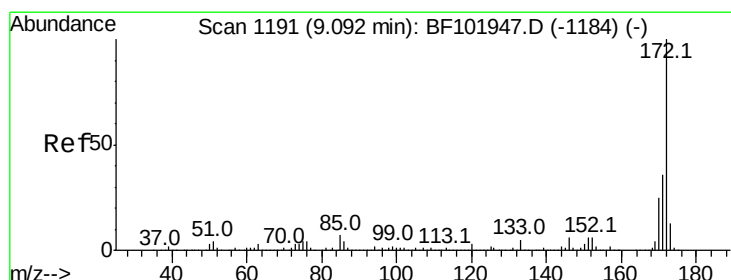
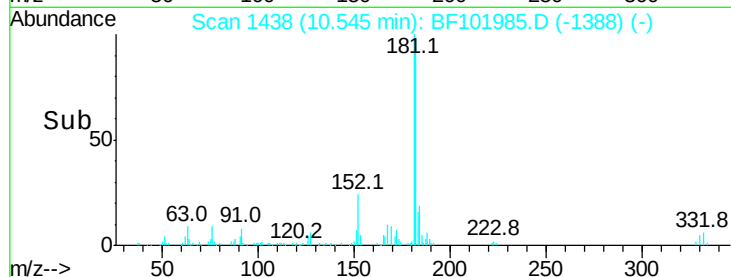
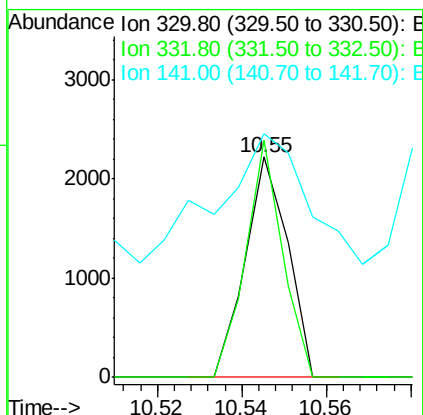
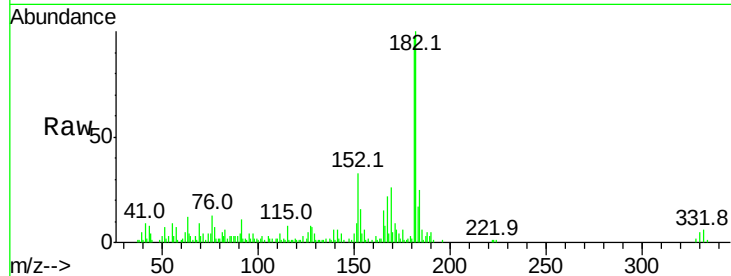
#41
 2,4,6-Tribromophenol
 Concen: 0.464 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF101985.D
 Acq: 10 Jan 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-03

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.3	77.0	115.6
141	161.0	29.9	44.9#

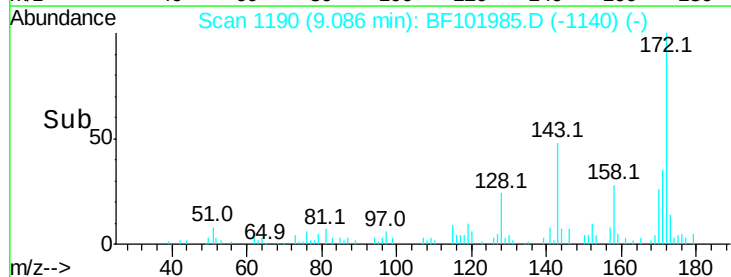
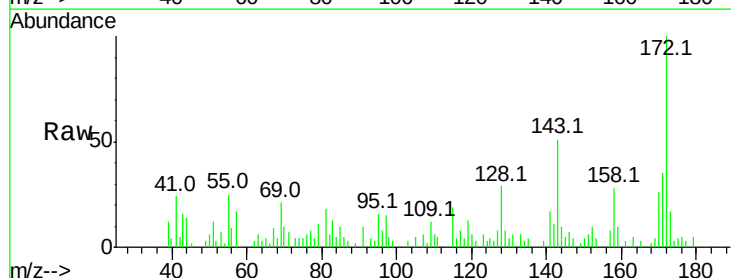
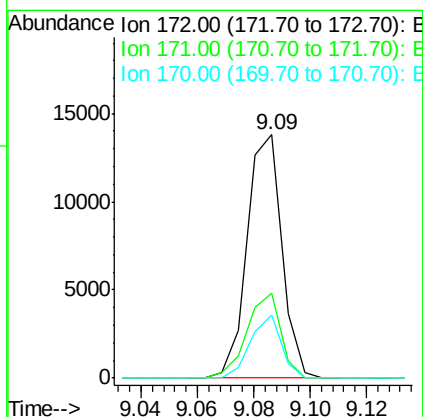
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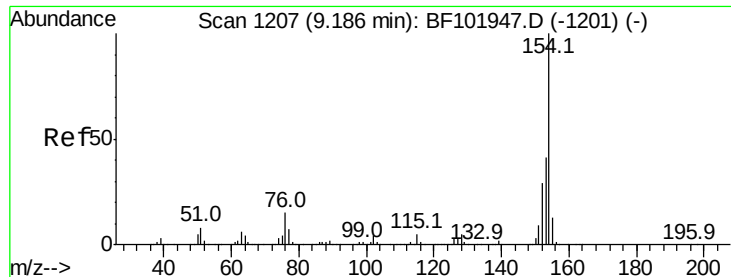
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#44
 2-Fluorobiphenyl
 Concen: 0.482 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF101985.D
 Acq: 10 Jan 2018 18:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	25.7	19.6	29.4





#45

1,1'-Biphenyl

Concen: 7.667 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.00 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Instrument :

BNA_F

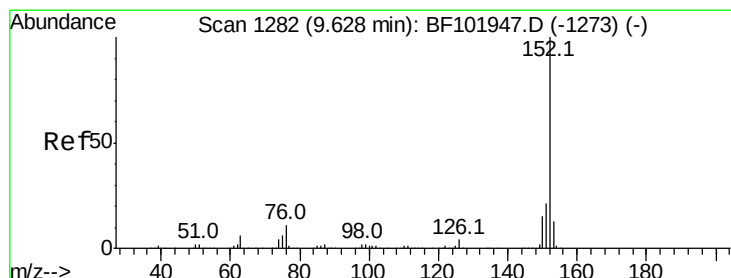
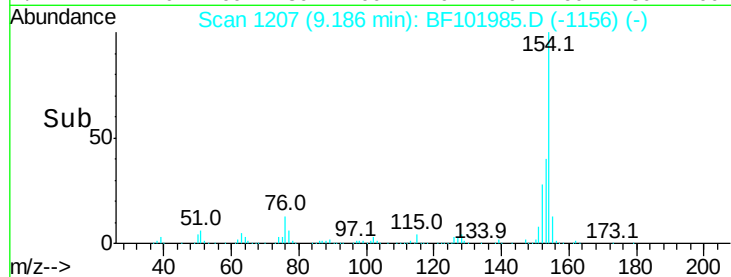
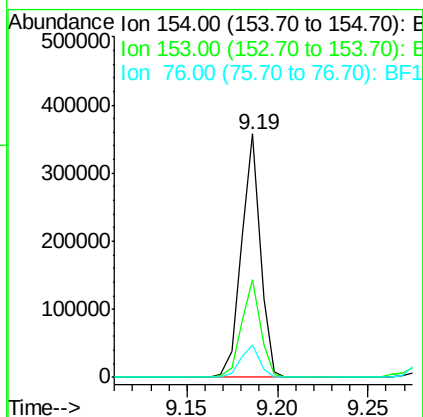
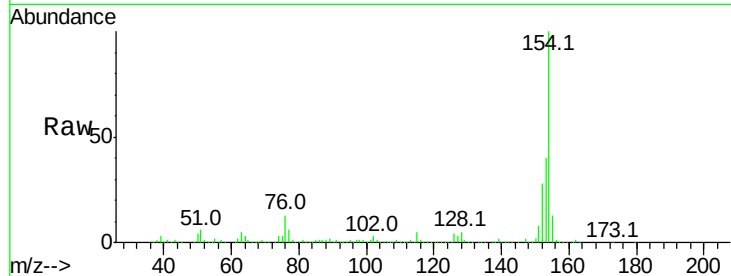
ClientSampleId :

WC-7317-03

Tot Ion:	154	Resp:	260027
Ion Ratio	Lower	Upper	
154	100		
153	40.0	21.3	61.3
76	13.1	0.0	34.0

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#48

Acenaphthylene

Concen: 3.632 ng

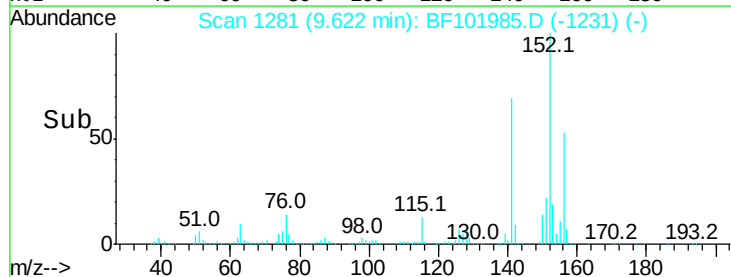
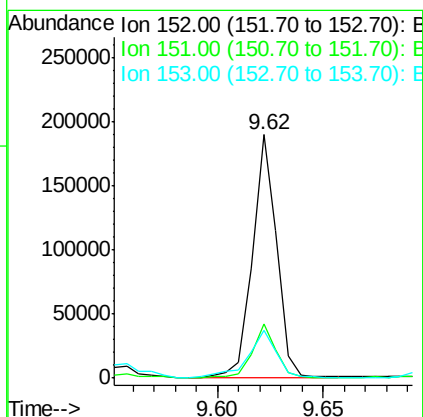
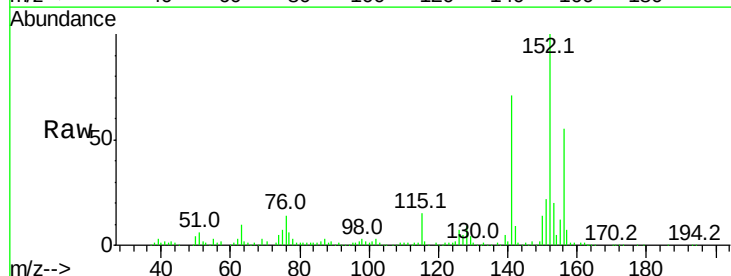
RT: 9.62 min Scan# 1281

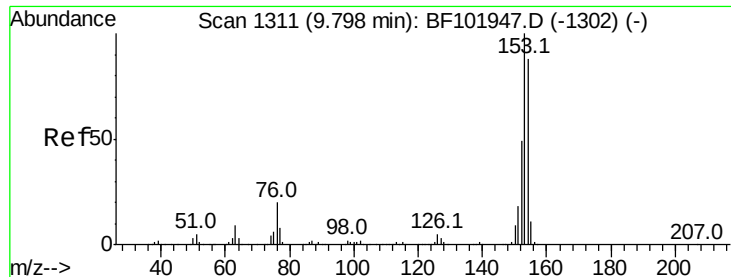
Delta R.T. -0.01 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Tgt Ion:	152	Resp:	151597
Ion Ratio	Lower	Upper	
152	100		
151	22.0	16.3	24.5
153	19.6	10.7	16.1#





#51

Acenaphthene

Concen: 23.531 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Instrument :

BNA_F

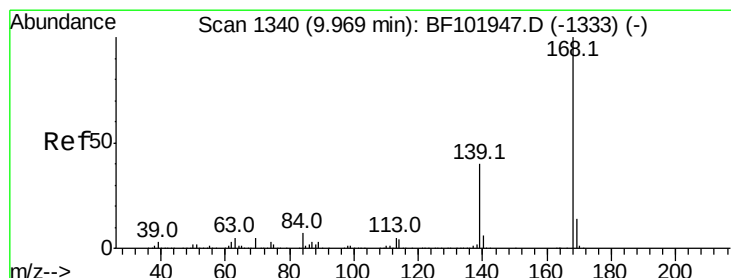
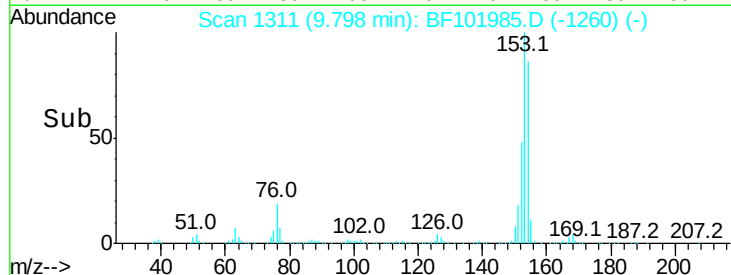
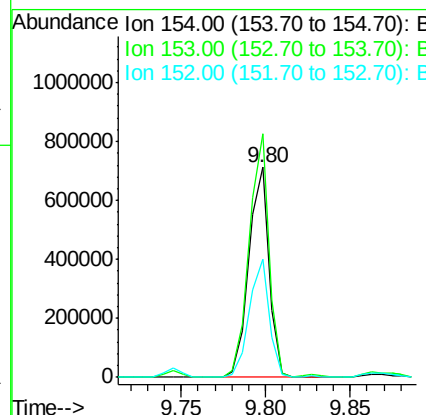
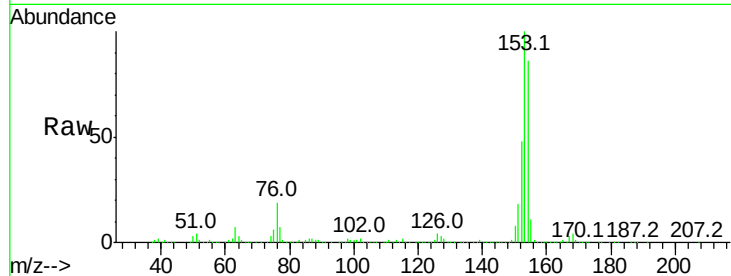
ClientSampleId :

WC-7317-03

Tot Ion:	154	Resp:	596147
Ion Ratio	Lower	Upper	
154	100		
153	115.8	91.2	136.8
152	56.1	43.8	65.8

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#54

Dibenzofuran

Concen: 2.966 ng

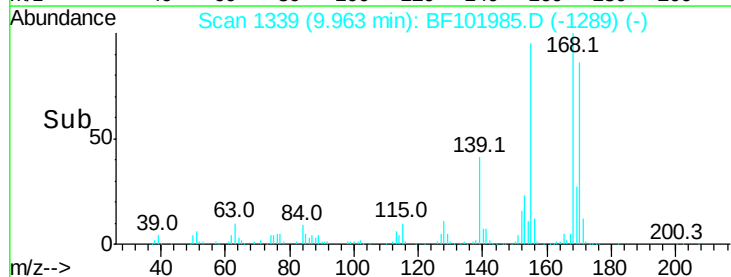
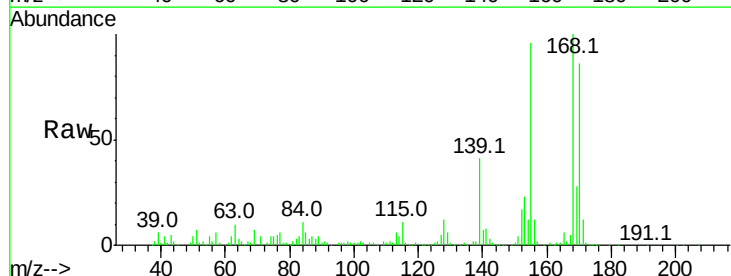
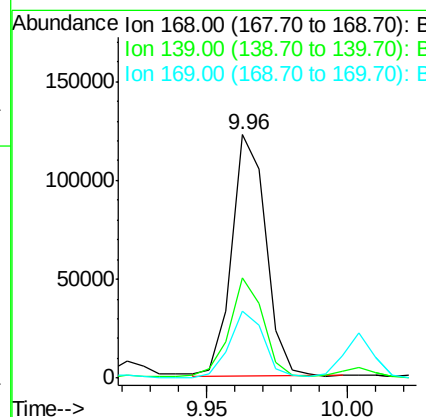
RT: 9.96 min Scan# 1339

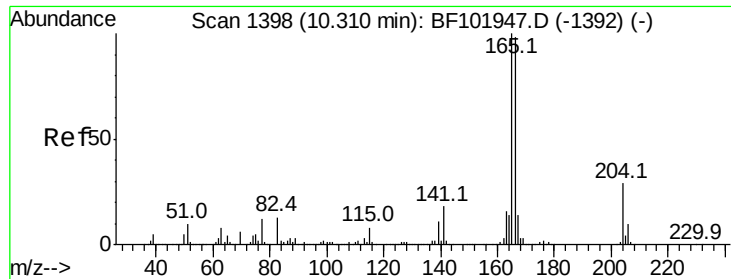
Delta R.T. -0.01 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Tgt Ion:	168	Resp:	103136
Ion Ratio	Lower	Upper	
168	100		
139	41.2	30.1	45.1
169	27.5	10.9	16.3#





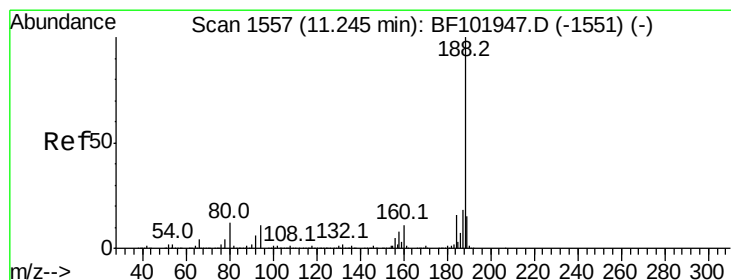
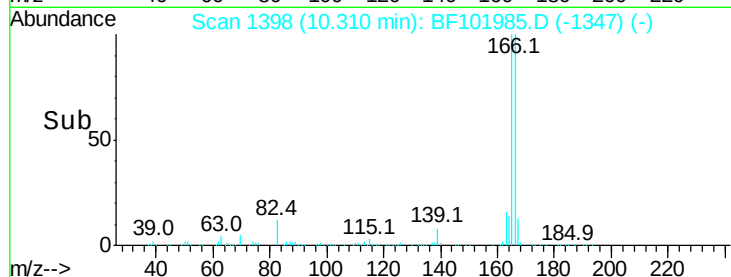
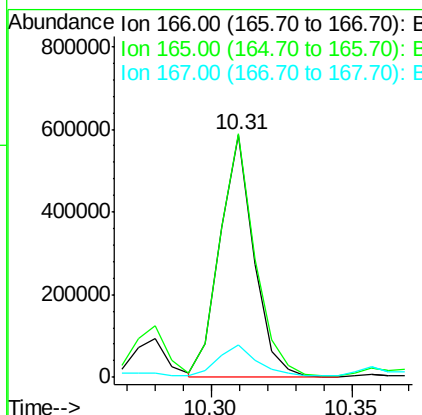
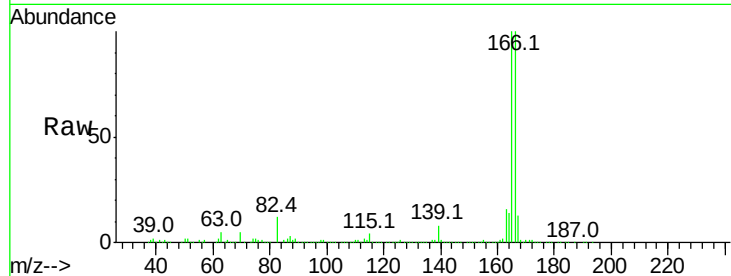
#57
Fluorene
 Concen: 20.295 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: BF101985.D
 Acq: 10 Jan 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-03

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.2	79.8	119.8	
167	13.3	10.6	16.0	

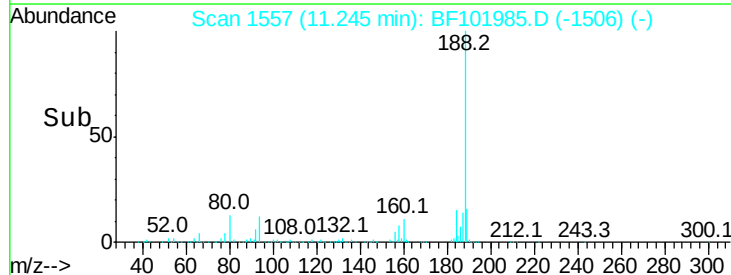
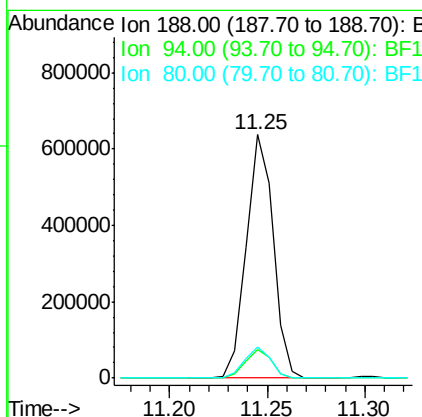
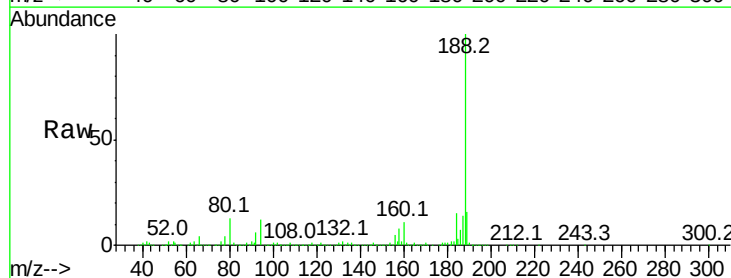
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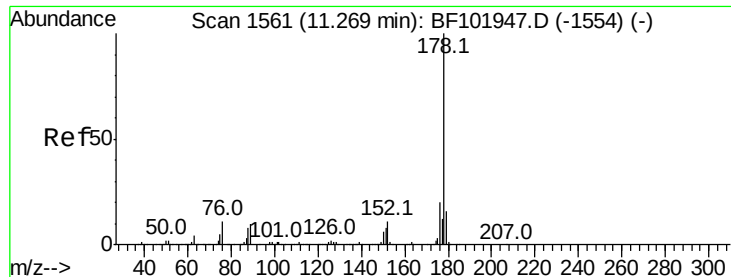
Sohil
 1/11/2018 10:52:44 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: BF101985.D
 Acq: 10 Jan 2018 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.9	8.5	12.7	
80	12.7	9.2	13.8	





#70

Phenanthrene

Concen: 52.196 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Instrument :

BNA_F

ClientSampleId :

WC-7317-03

Tot Ion:178 Resp: 1860576

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

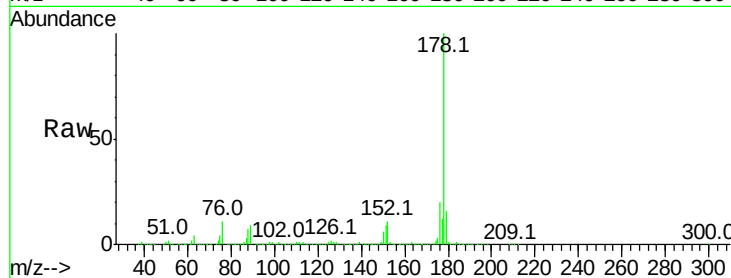
179 15.7 13.0 19.6

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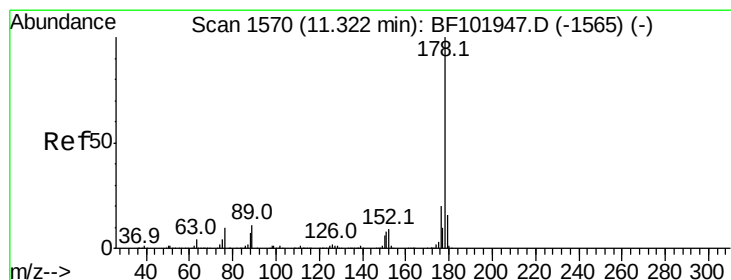
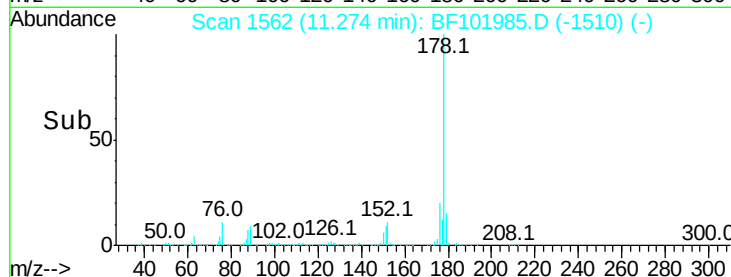
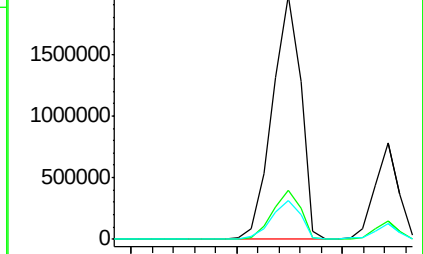
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 16.286 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Tgt Ion:178 Resp: 588749

Ion Ratio Lower Upper

178 100

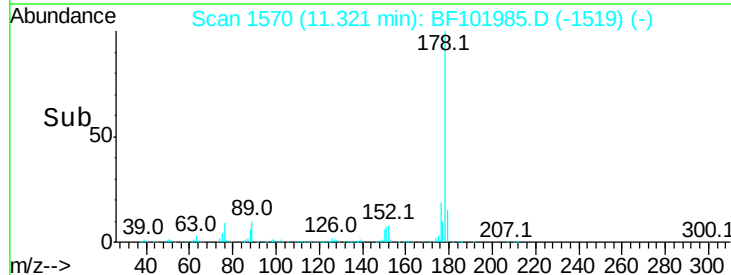
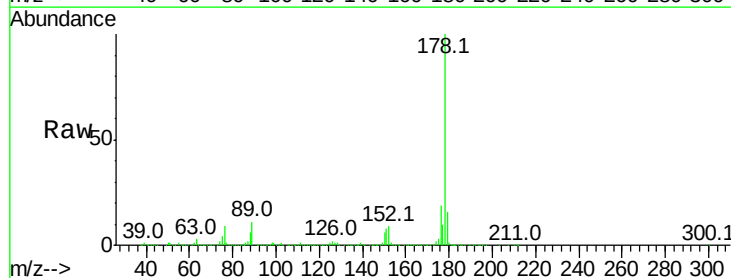
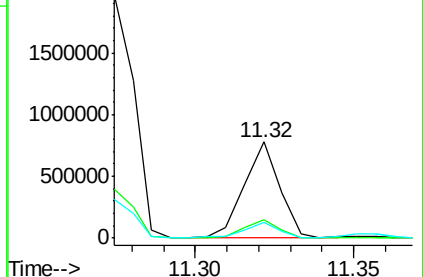
176 18.8 15.4 23.2

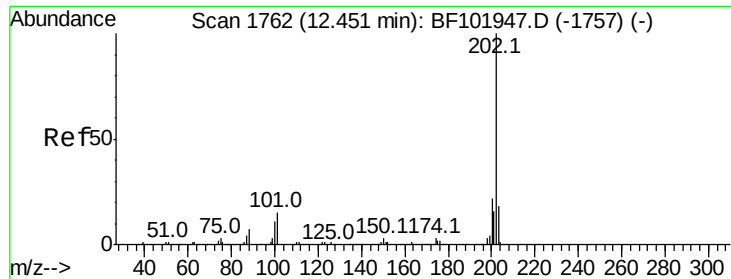
179 15.9 12.6 19.0

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





#74

Fluoranthene

Concen: 19.227 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Instrument :

BNA_F

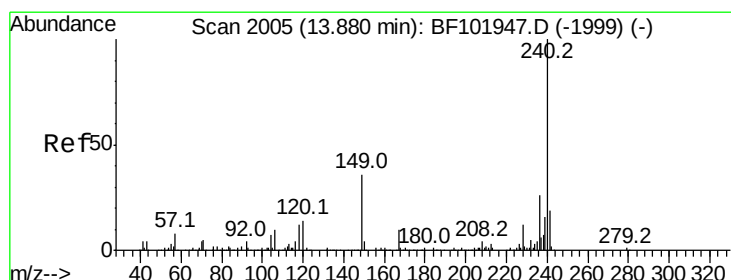
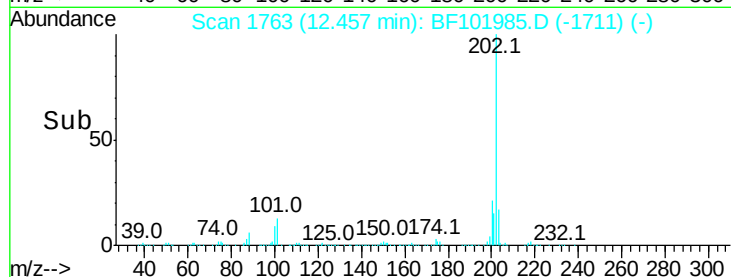
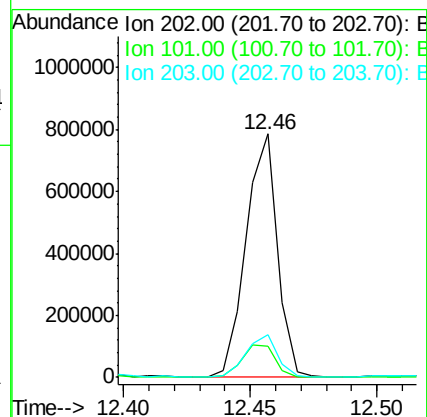
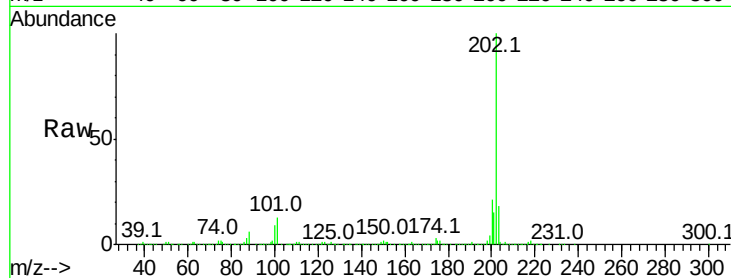
ClientSampled :

WC-7317-03

Tot Ion:	202	Resp:	674317
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

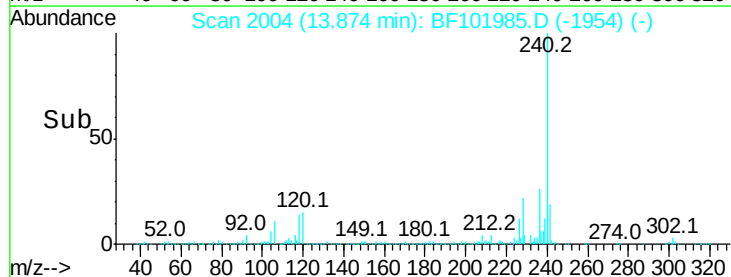
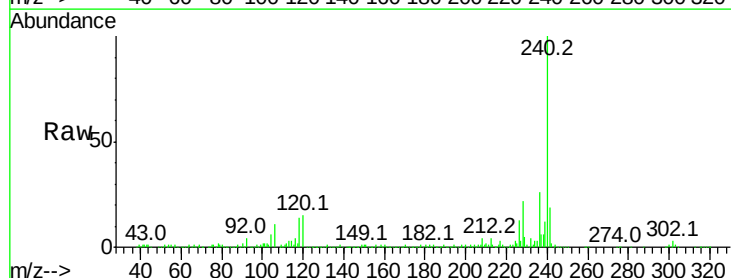
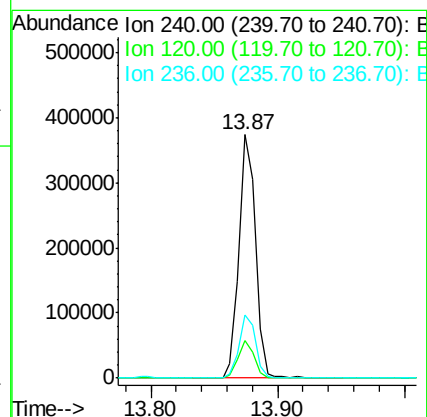
RT: 13.87 min Scan# 2004

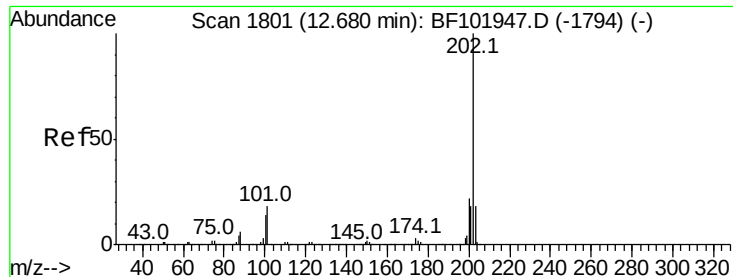
Delta R.T. -0.01 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Tgt Ion:	240	Resp:	331559
Ion Ratio	Lower	Upper	
240	100		
120	15.2	9.5	14.3#
236	25.9	20.7	31.1





#77

Pvrene

Concen: 32.124 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Instrument :

BNA_F

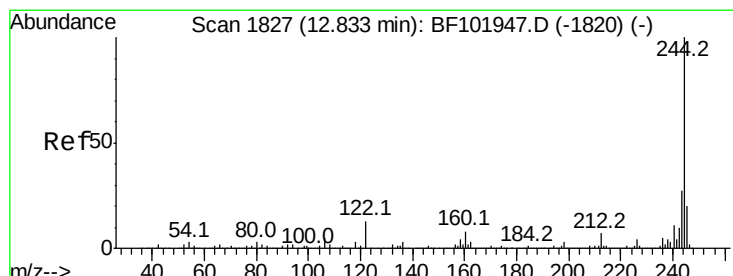
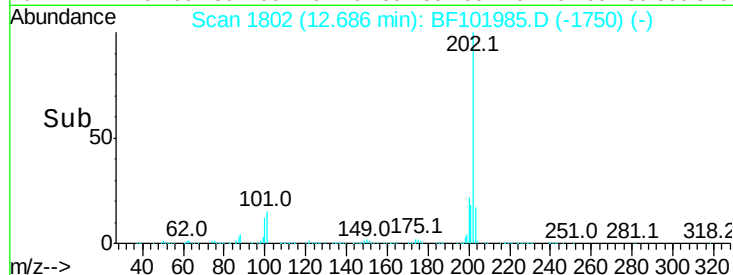
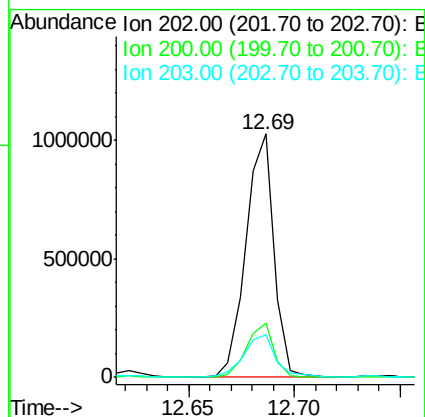
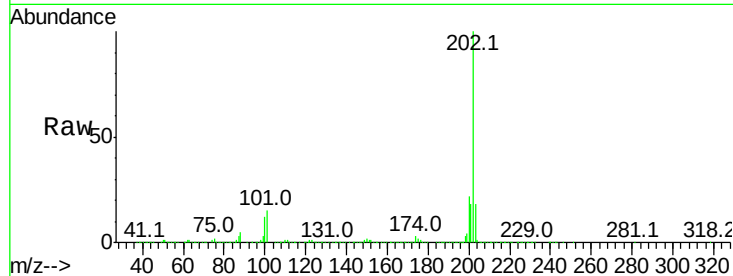
ClientSampleId :

WC-7317-03

Tot Ion:	202	Resp:	941476
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 0.640 ng

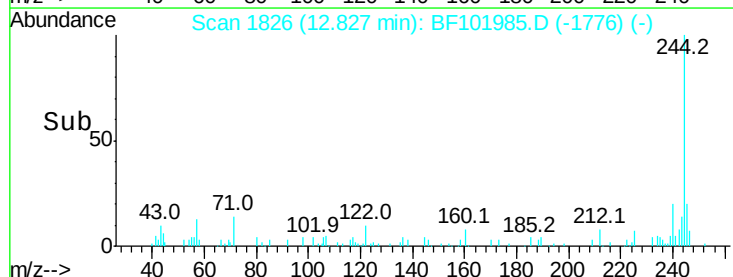
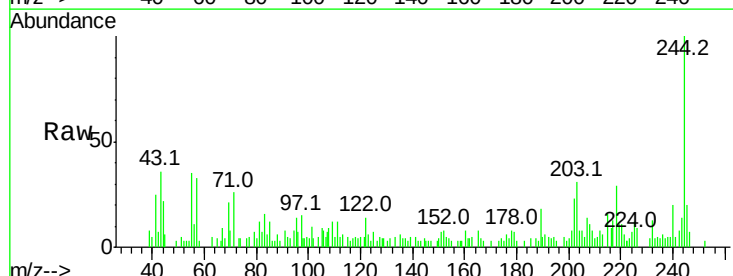
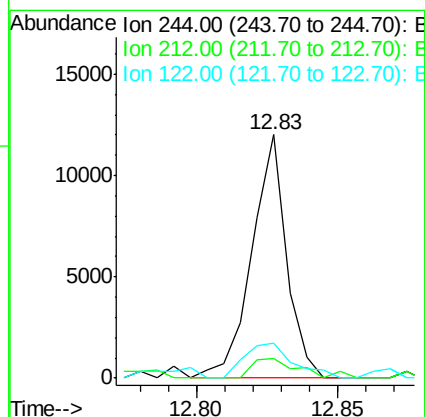
RT: 12.83 min Scan# 1826

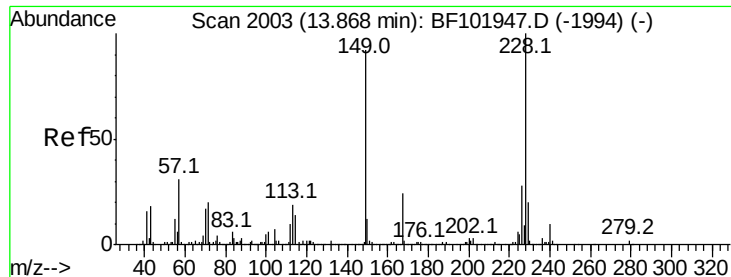
Delta R.T. -0.01 min

Lab File: BF101985.D

Acq: 10 Jan 2018 18:09

Tgt Ion:	244	Resp:	10228
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.4	8.0
122	14.2	11.0	16.4





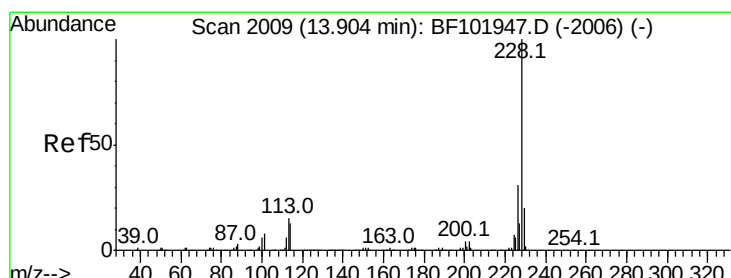
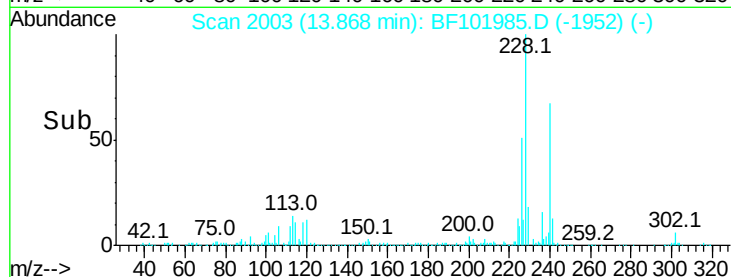
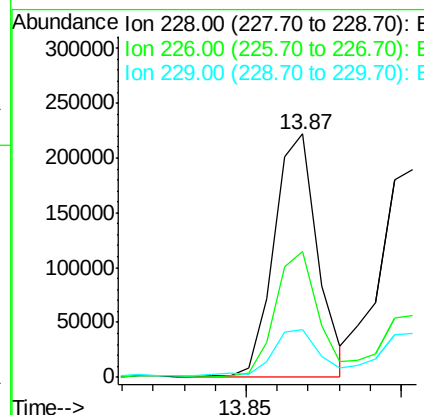
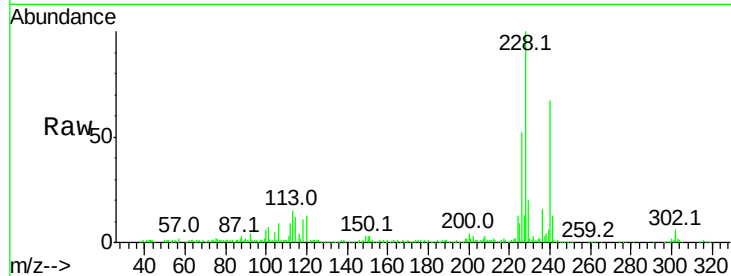
#80
Benzo(a)anthracene
Concen: 10.270 ng m
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Instrument :
BNA_F
ClientSampleId :
WC-7317-03

Tot Ion	Ratio	Lower	Upper
228	100		
226	51.7	22.6	33.8#
229	19.7	15.8	23.6

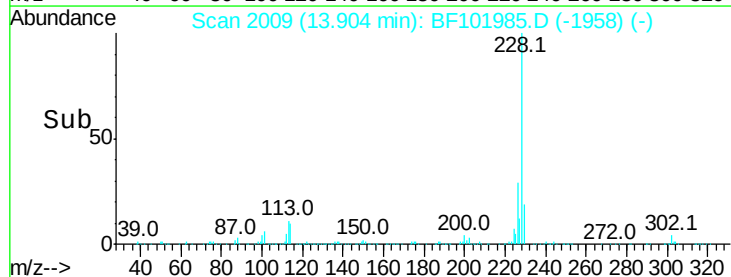
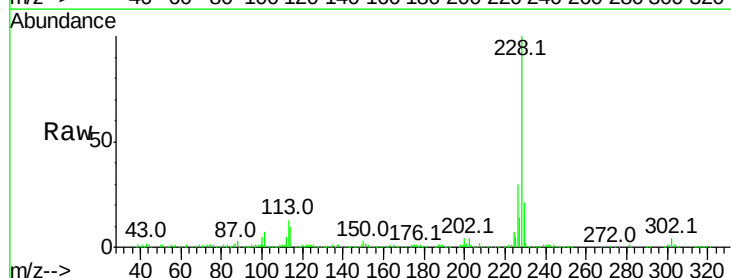
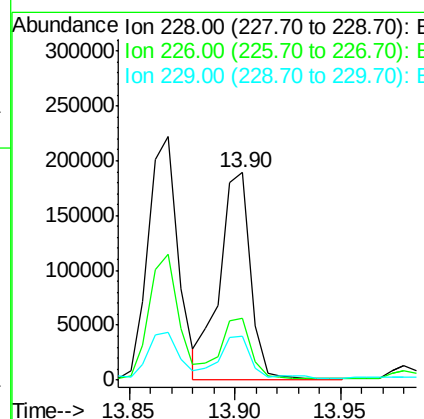
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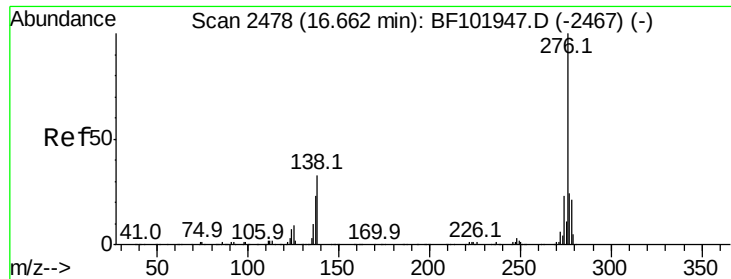
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#82
Chrysene
Concen: 8.673 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	20.9	16.2	24.4





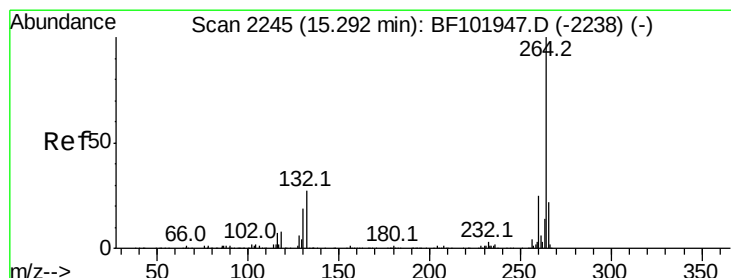
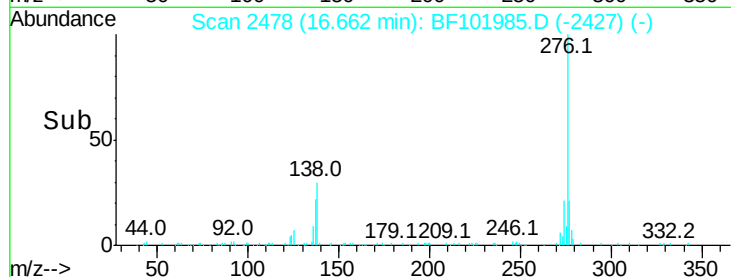
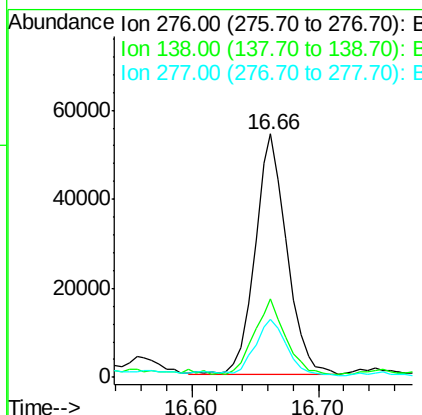
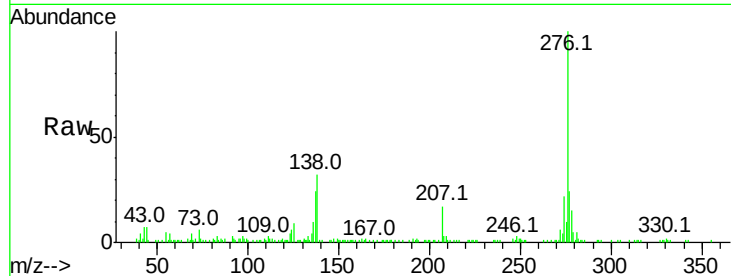
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.824 ng
RT: 16.66 min Scan# 2478
Delta R.T. -0.00 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Instrument :
BNA_F
ClientSampleId :
WC-7317-03

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	25.0	37.6
277	23.8	20.1	30.1

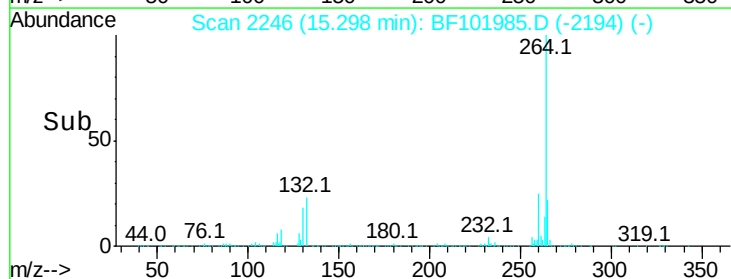
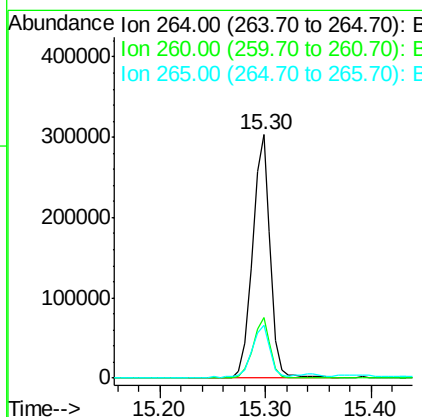
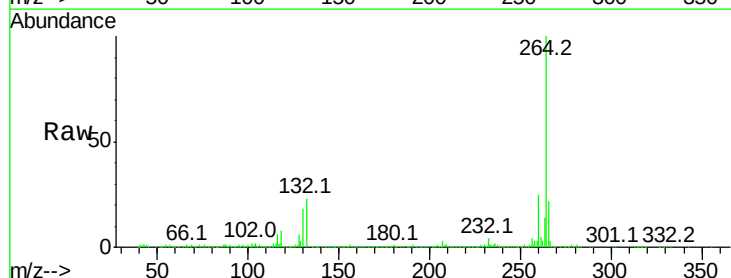
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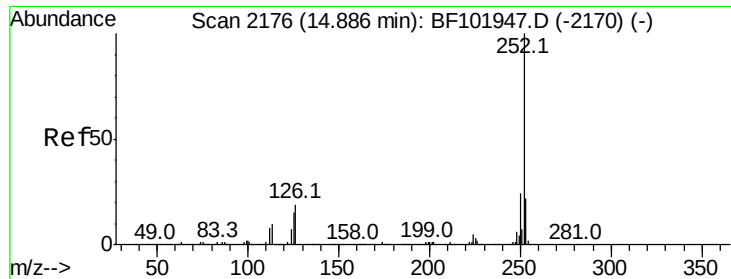
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.8	17.5	26.3





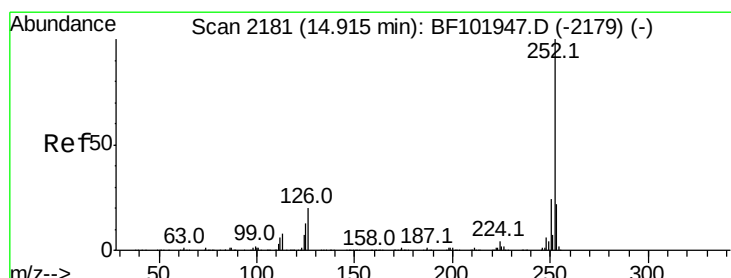
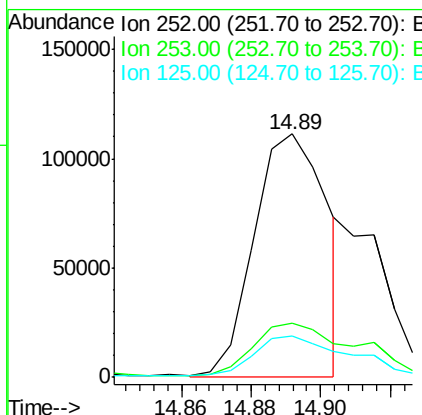
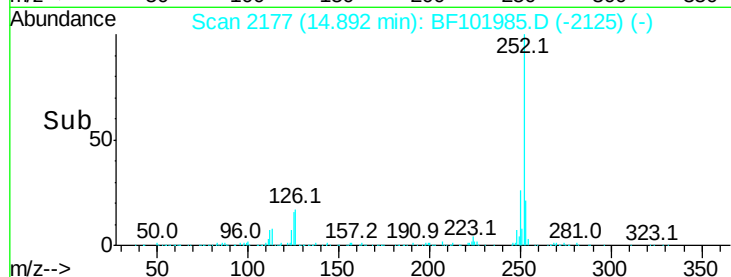
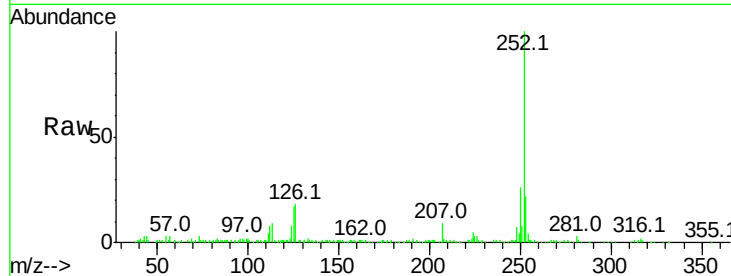
#87
Benzo(b)fluoranthene
Concen: 6.965 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Instrument :
BNA_F
ClientSampleId :
WC-7317-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	16.9	9.0	13.6#

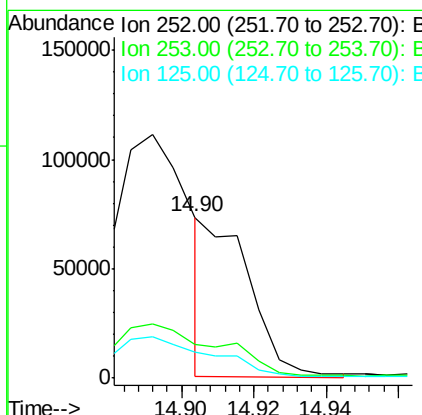
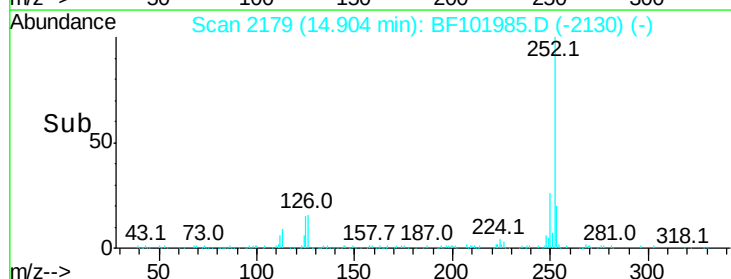
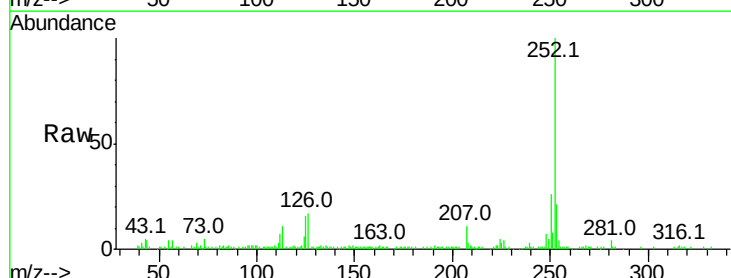
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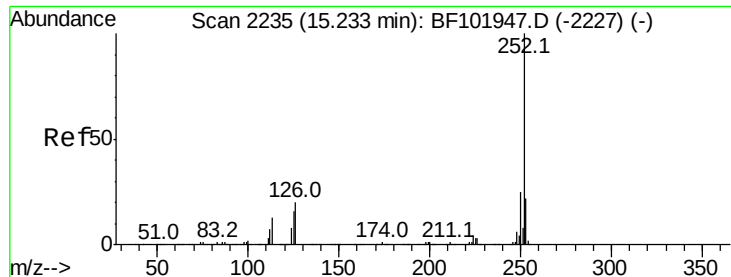
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#88
Benzo(k)fluoranthene
Concen: 2.715 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	16.5	10.2	15.2#





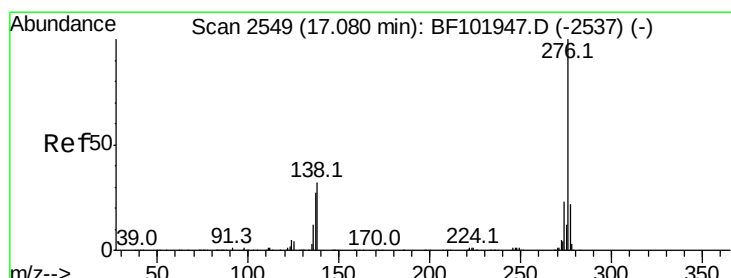
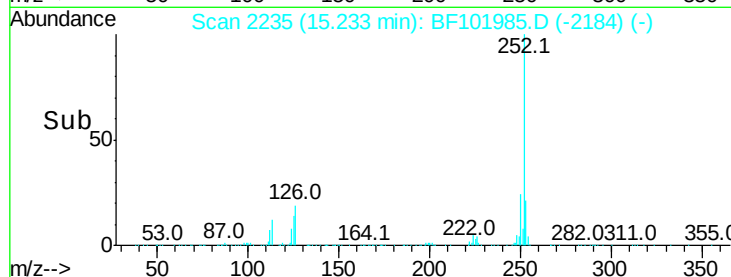
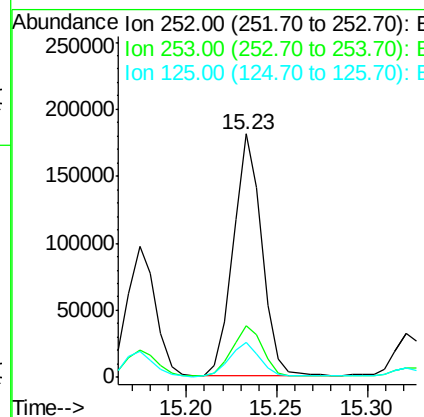
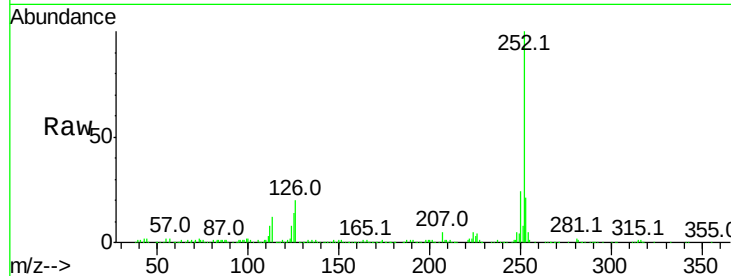
#89
Benzo(a)pyrene
Concen: 9.450 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Instrument :
BNA_F
ClientSampled :
WC-7317-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	14.4	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.352 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BF101985.D
Acq: 10 Jan 2018 18:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	30.4	21.8	32.8

