

Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
 Data File : BF102015.D
 Acq On : 11 Jan 2018 13:10
 Operator : SJ/JU
 Sample : J1076-14DL 100X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-114767779-01DL

Manual Integrations
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Sohil
 1/12/2018 10:37:08 AM

Quant Time: Jan 11 13:54:25 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	6.72	152	229436	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	957674	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	422851	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	694278	20.00	ng	0.00
75) Chrysene-d12	13.87	240	386723	20.00	ng	0.00
86) Perylene-d12	15.29	264	370826	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	3271	0.20	ng	0.00
7) Phenol-d6	6.34	99	4491	0.23	ng	-0.01
23) Nitrobenzene-d5	7.28	82	2669	0.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	511	0.14	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	5022	0.19	ng	-0.01
78) Terphenyl-d14	12.82	244	4939	0.27	ng	-0.01
Target Compounds						
31) Naphthalene	8.03	128	2529885	52.867	ng	98
37) 2-Methylnaphthalene	8.72	142	307571	9.763	ng	98
48) Acenaphthylene	9.62	152	195734	4.255	ng	100
54) Dibenzofuran	9.96	168	175146	4.571	ng	98
57) Fluorene	10.30	166	235787	8.902	ng	96
70) Phenanthrene	11.27	178	933700	23.023	ng	98
71) Anthracene	11.32	178	262095	6.372	ng	99
72) Carbazole	11.47	167	86996	2.152	ng	99
74) Fluoranthene	12.45	202	594775	14.906	ng	99
77) Pyrene	12.68	202	539148	15.772	ng	99
80) Benzo(a)anthracene	13.86	228	190025m	7.701	ng	
82) Chrysene	13.90	228	146364	5.689	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	84615	4.519	ng	96
87) Benzo(b)fluoranthene	14.89	252	171246m	7.082	ng	
89) Benzo(a)pyrene	15.23	252	140309	6.449	ng	96
91) Benzo(g,h,i)perylene	17.07	276	81838	4.679	ng	94

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

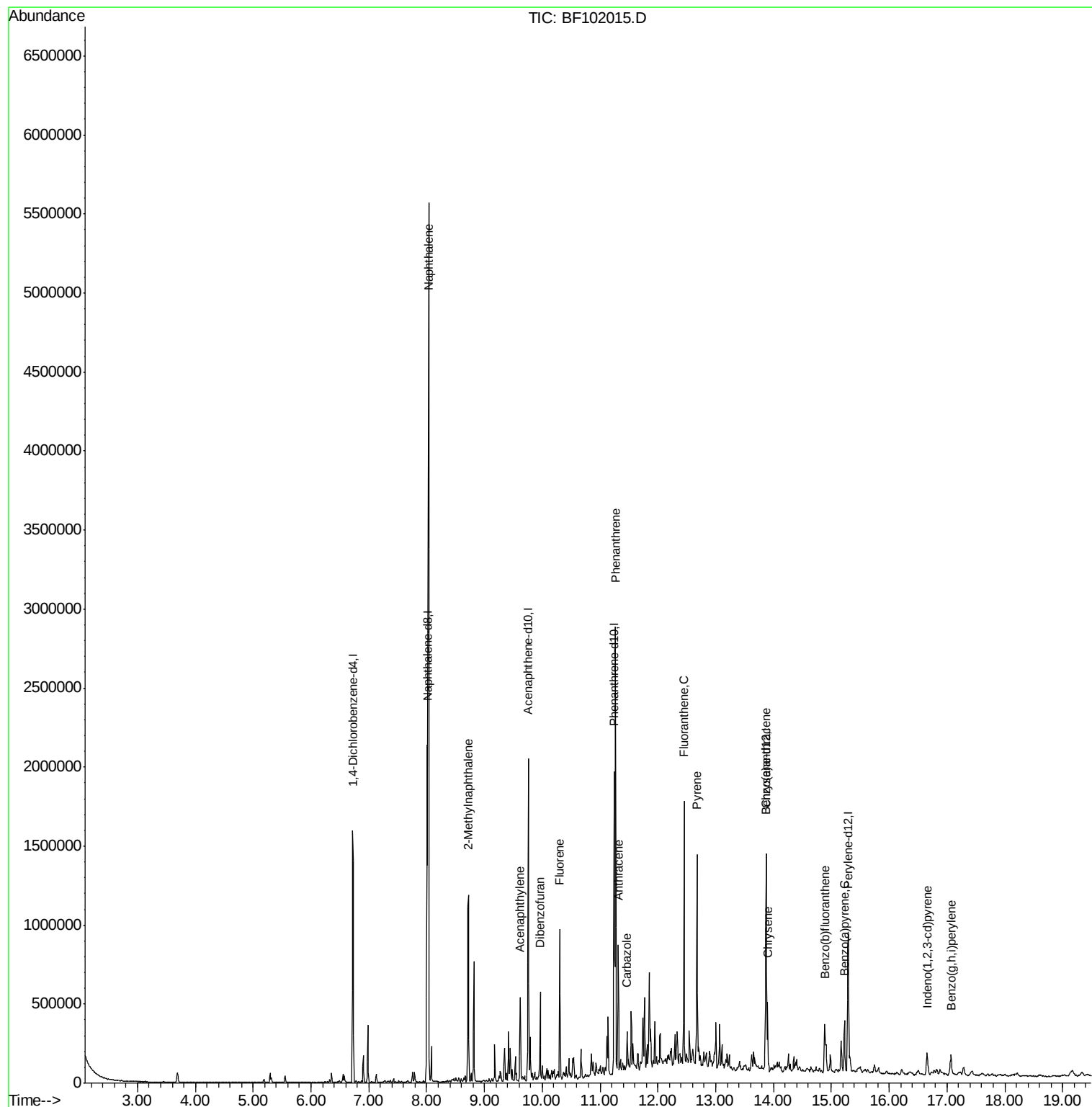
Data Path : U:\HPCHEM1\BNA F\DATA\BF011118\
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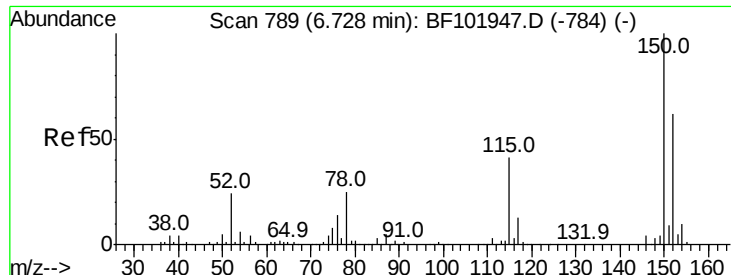
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#1

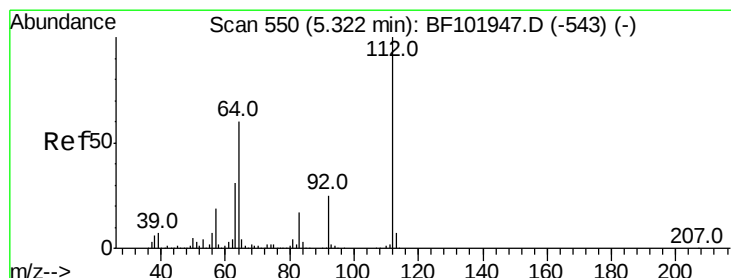
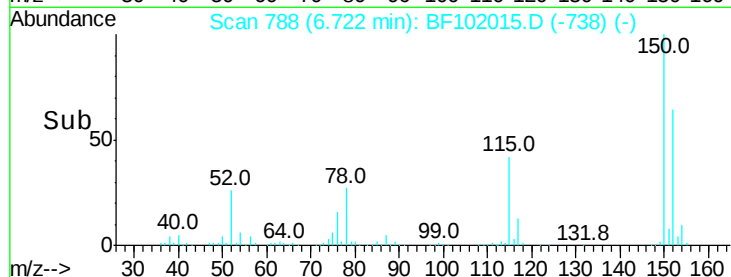
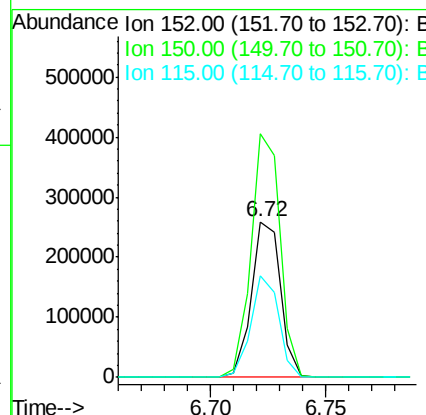
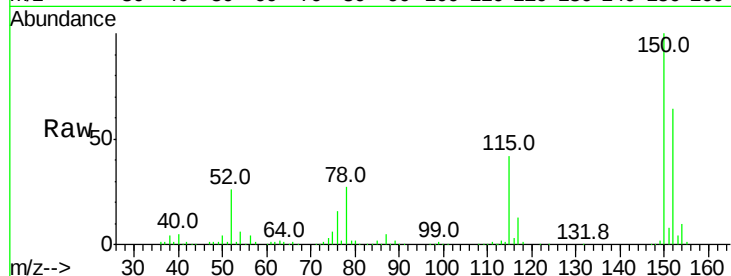
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Instrument :
BNA_F
ClientSampleId :
WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	64.9	50.1	75.1

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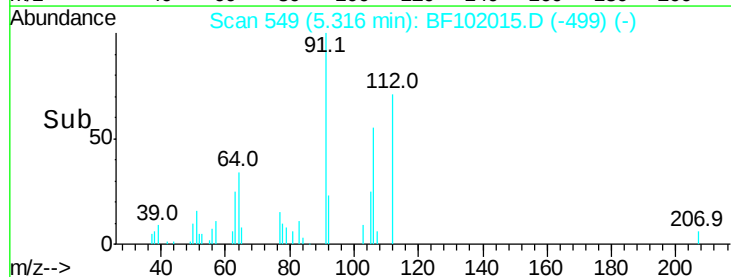
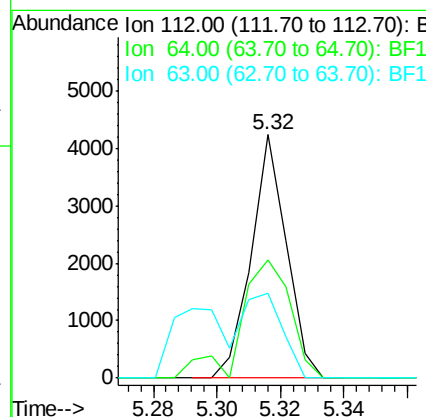
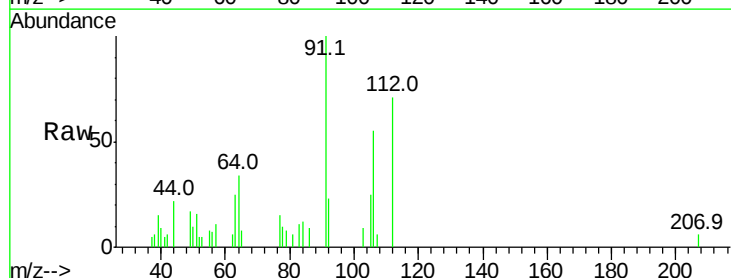
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#5

2-Fluorophenol
Concen: 0.201 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.7	47.9	71.9
63	34.7	23.7	35.5





#7

Phenol-d6

Concen: 0.232 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF102015.D

Acq: 11 Jan 2018 13:10

Instrument :

BNA_F

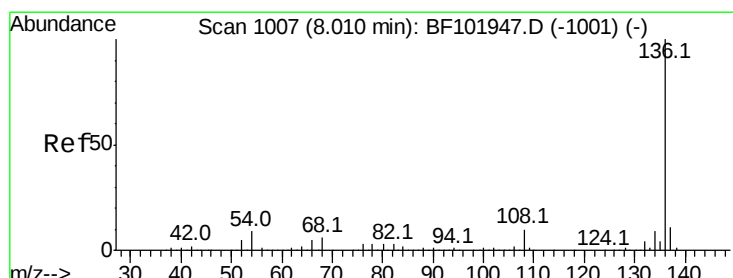
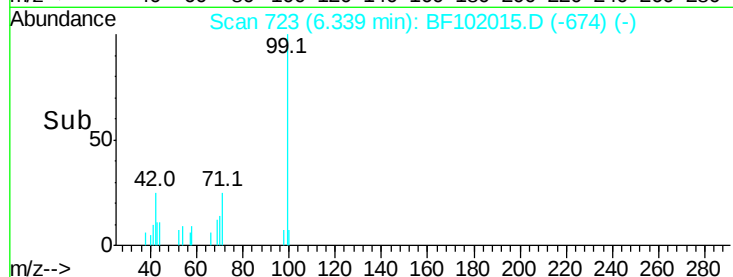
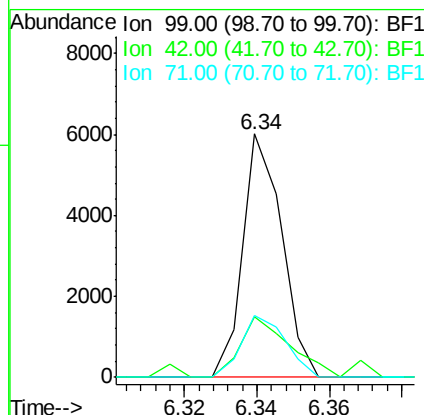
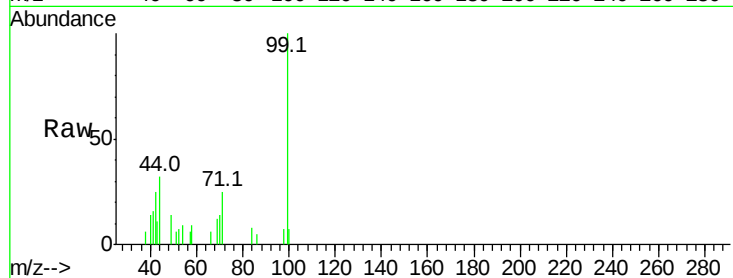
ClientSampleId :

WC-114767779-01DL

Tot Ion:	99	Resp:	4491
Ion Ratio	Lower	Upper	
99	100		
42	24.9	14.5	21.7#
71	25.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

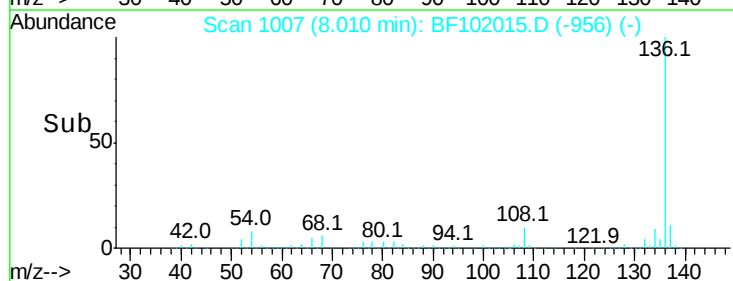
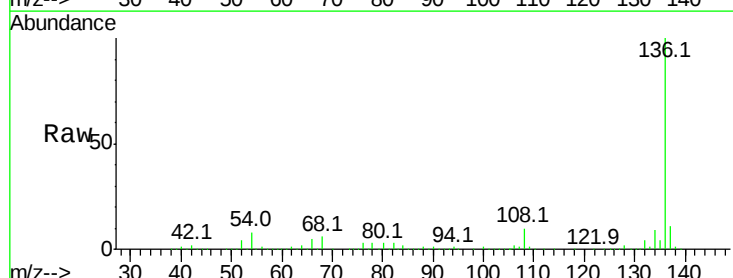
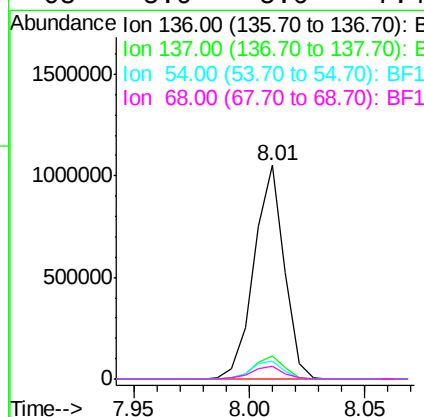
RT: 8.01 min Scan# 1007

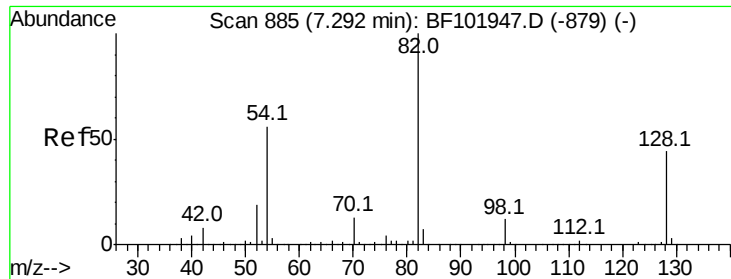
Delta R.T. -0.00 min

Lab File: BF102015.D

Acq: 11 Jan 2018 13:10

Tgt Ion:	136	Resp:	957674
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.4	6.6	9.8
68	5.9	5.0	7.4





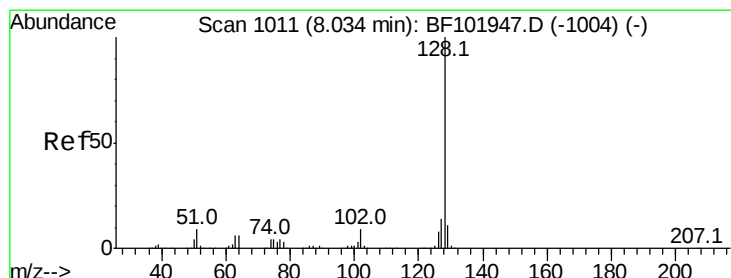
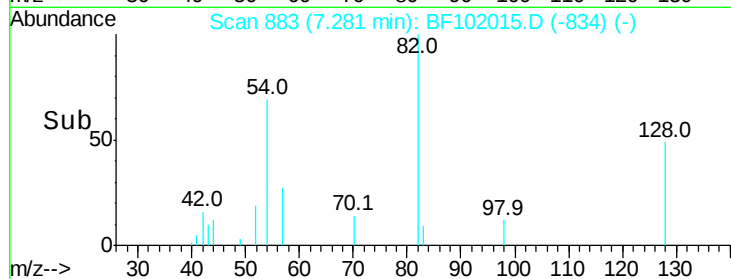
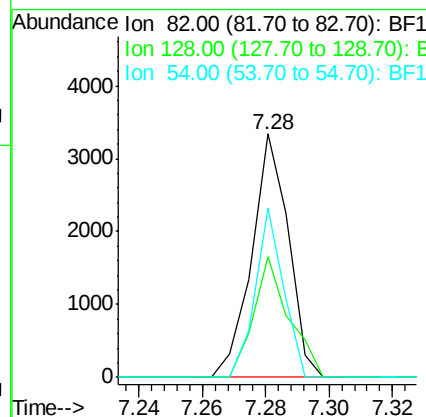
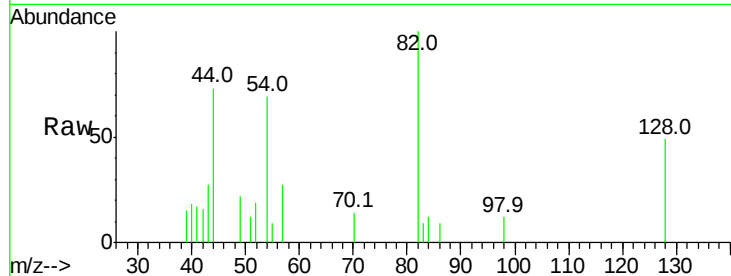
#23
Nitrobenzene-d5
Concen: 0.164 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Instrument :
BNA_F
ClientSampleId :
WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.4	36.1	54.1
54	69.4	41.4	62.2

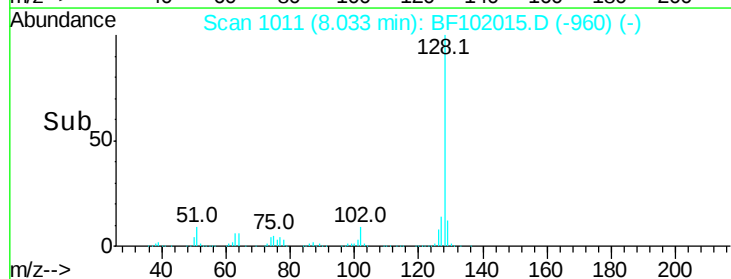
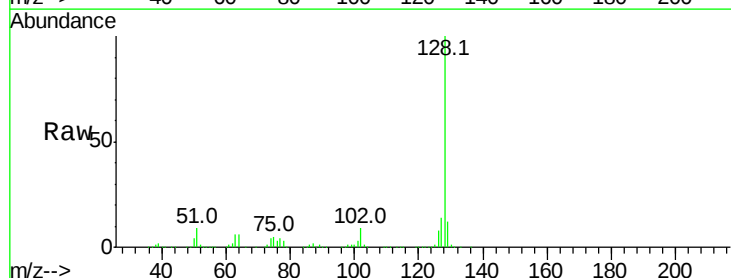
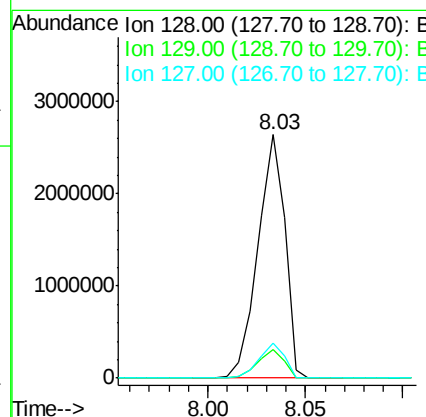
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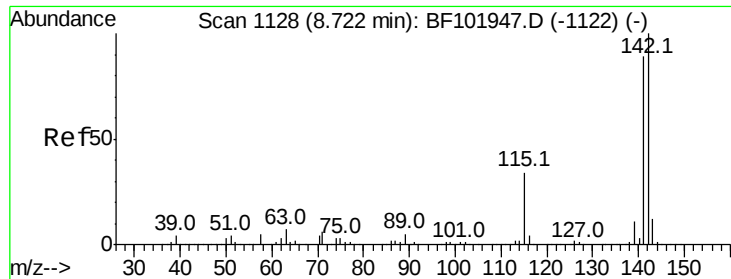
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#31
Naphthalene
Concen: 52.867 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	14.2	10.9	16.3





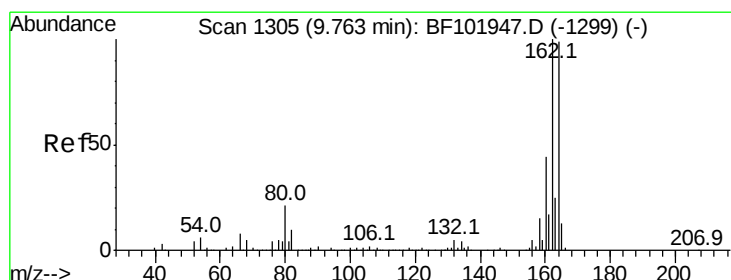
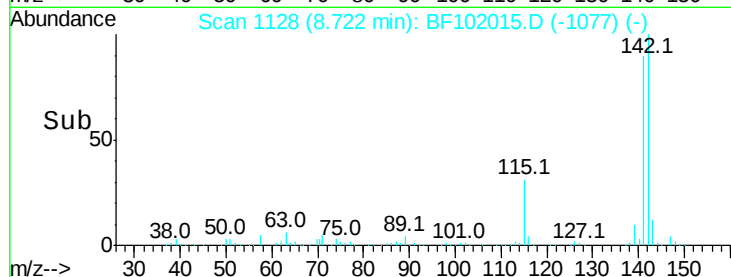
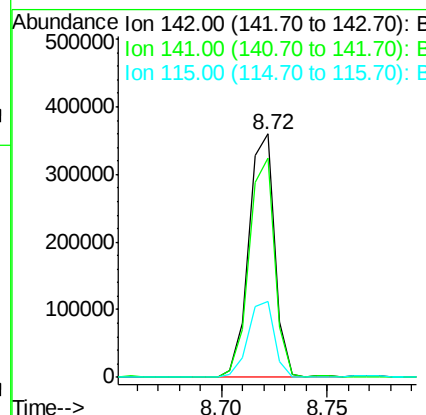
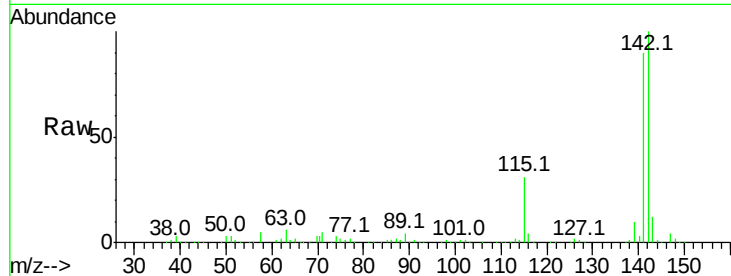
#37
 2-Methylnaphthalene
 Concen: 9.763 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BF102015.D
 Acq: 11 Jan 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	31.1	26.1	39.1

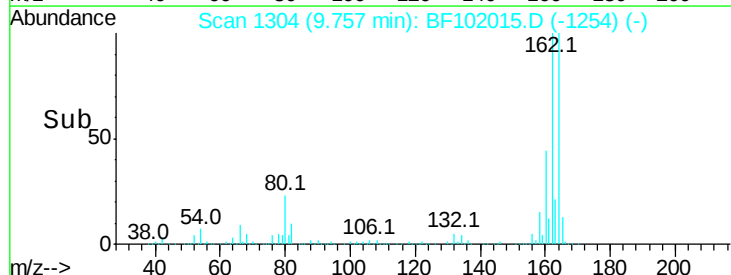
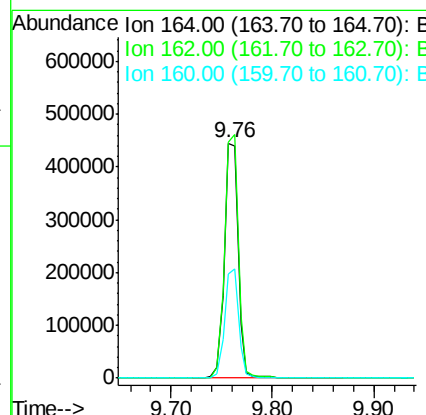
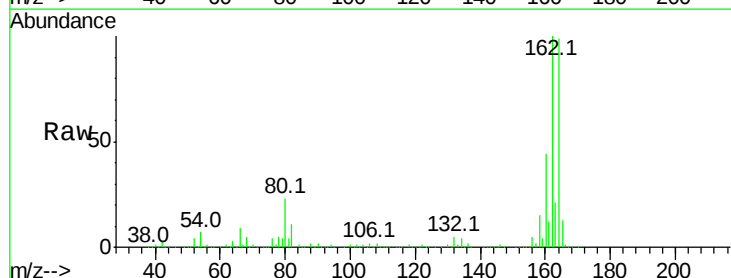
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF102015.D
 Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	86.1	129.1
160	44.3	38.3	57.5





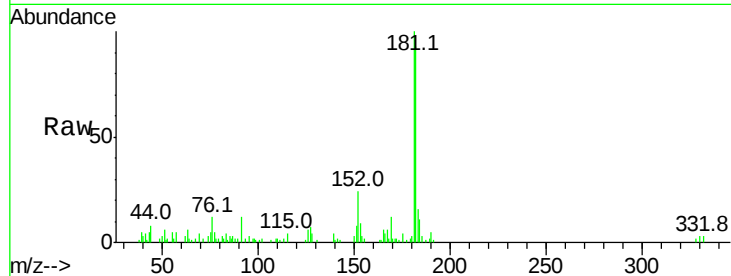
#41
 2,4,6-Tribromophenol
 Concen: 0.138 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102015.D
 Acq: 11 Jan 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-114767779-01DL

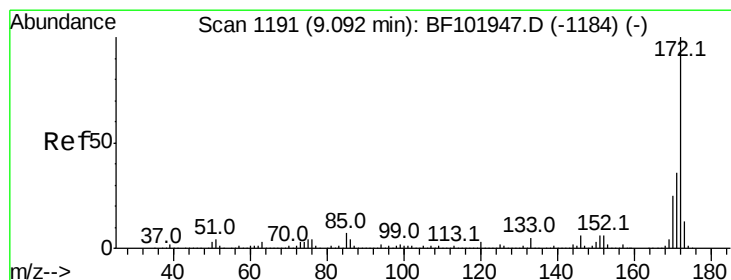
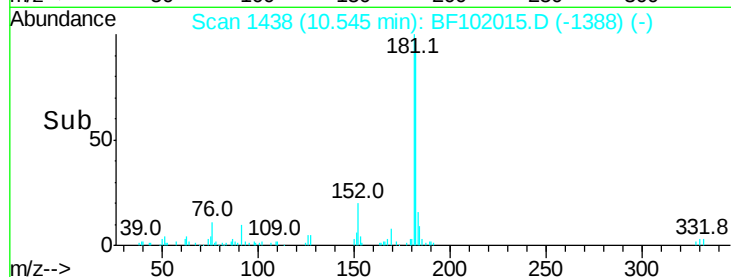
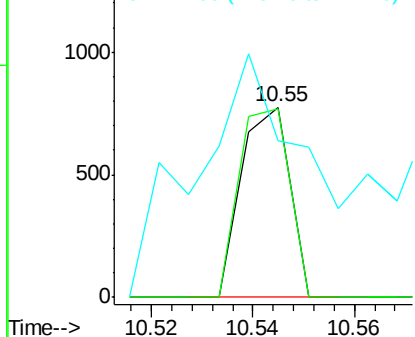
Tot Ion	Ratio	Lower	Upper
330	100		
332	104.1	77.0	115.6
141	289.2	29.9	44.9#

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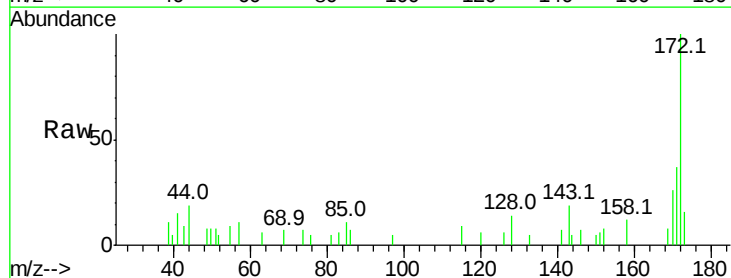


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

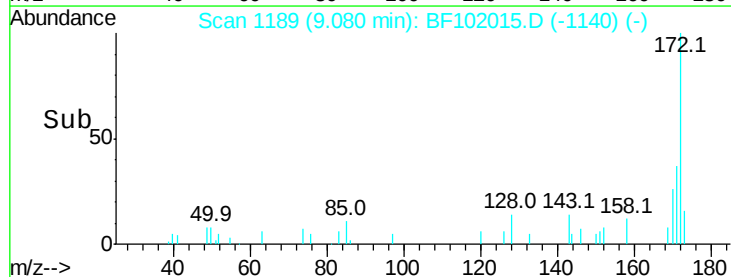
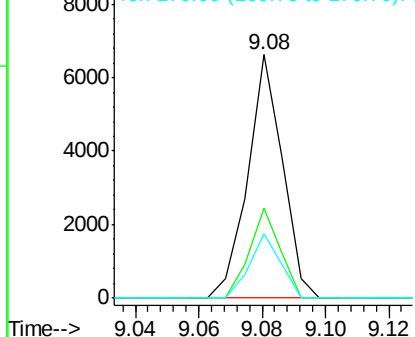


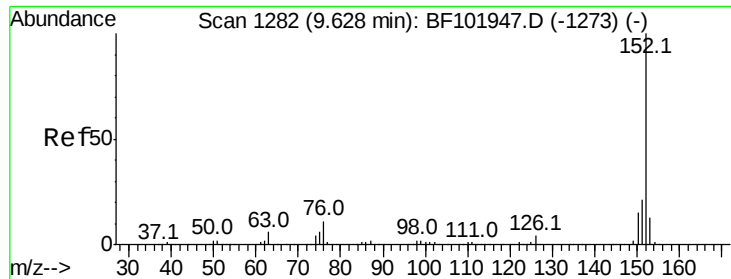
#44
 2-Fluorobiphenyl
 Concen: 0.186 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102015.D
 Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	26.2	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





#48

Acenaphthylene

Concen: 4.255 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF102015.D

Acq: 11 Jan 2018 13:10

Instrument :

BNA_F

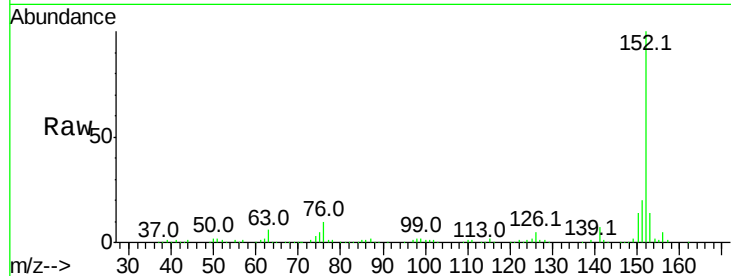
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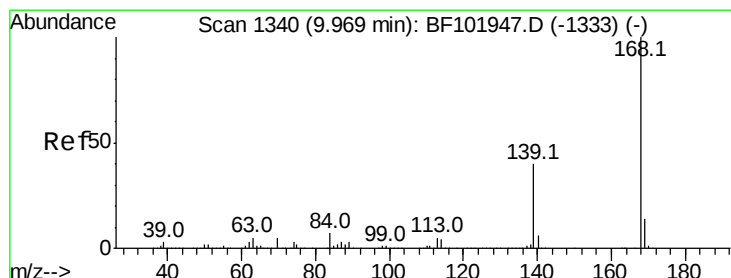
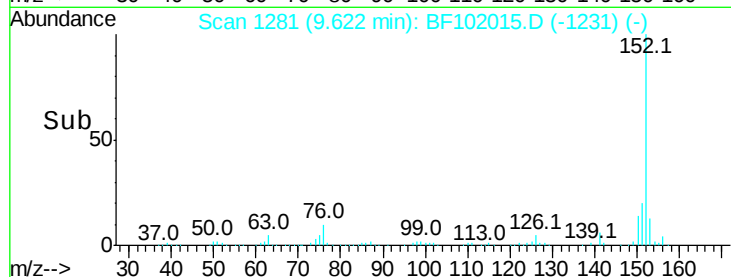
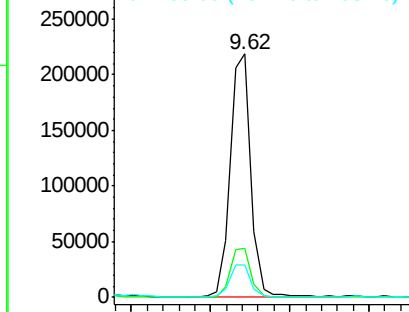
Tot Ion:	152	Resp:	195734
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	13.5	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#54

Dibenzofuran

Concen: 4.571 ng

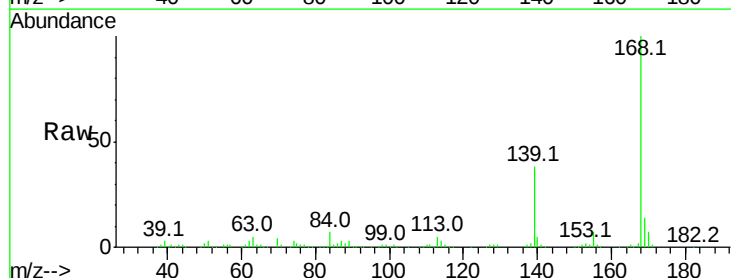
RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

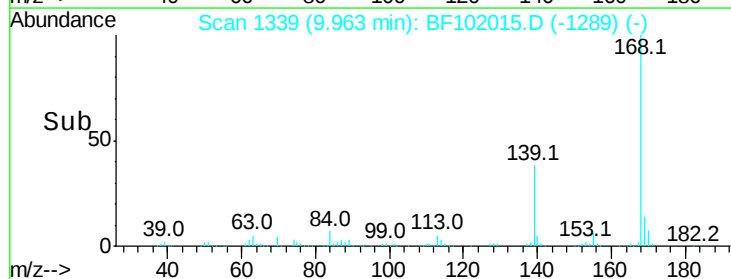
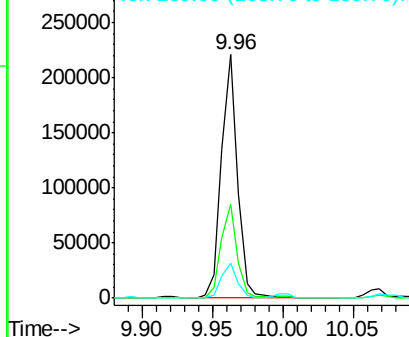
Lab File: BF102015.D

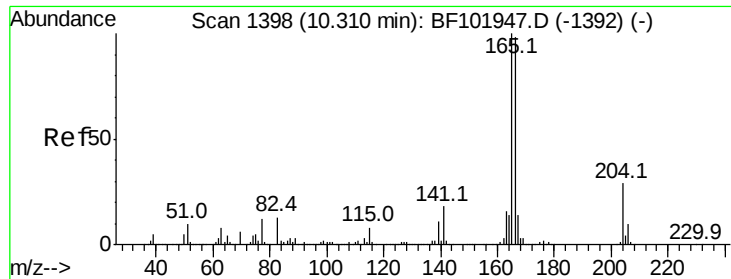
Acq: 11 Jan 2018 13:10

Tgt Ion:	168	Resp:	175146
Ion Ratio	Lower	Upper	
168	100		
139	38.4	30.1	45.1
169	14.5	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





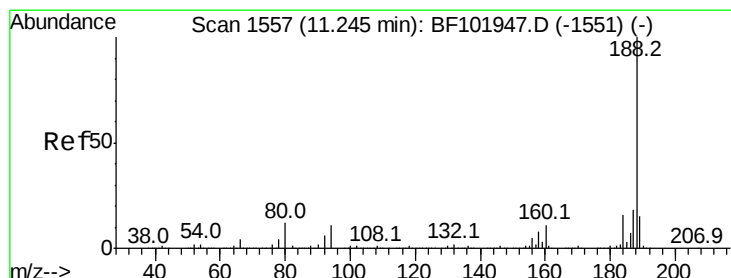
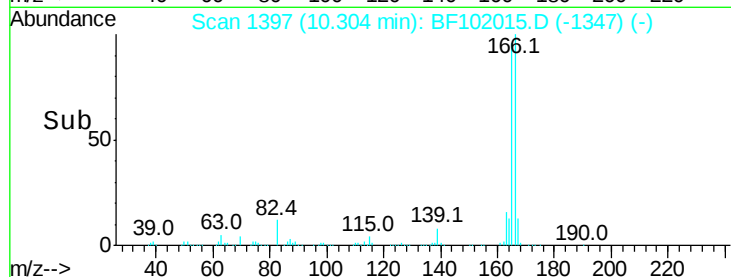
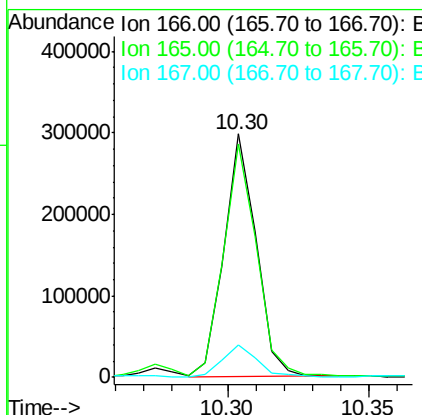
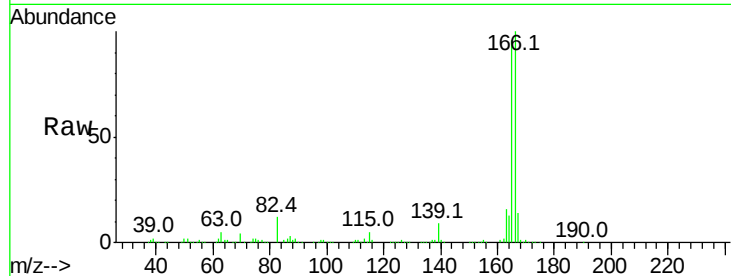
#57
Fluorene
 Concen: 8.902 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF102015.D
 Acq: 11 Jan 2018 13:10

Instrument :
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 WC-114767779-01DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	235787		
165	95.7	79.8	119.8	
167	13.6	10.6	16.0	

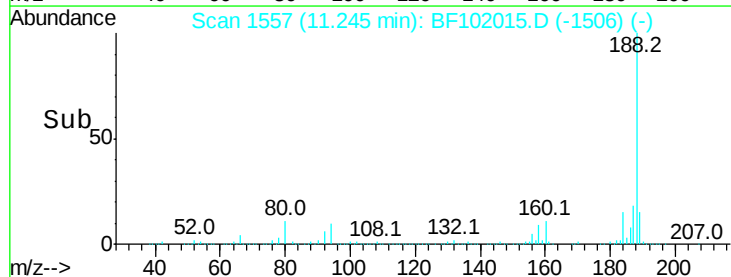
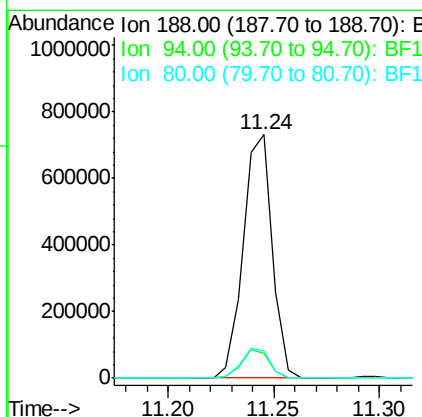
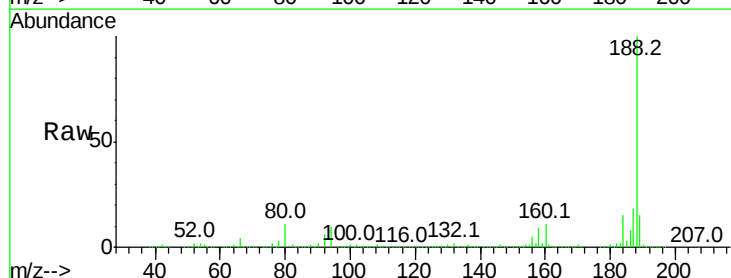
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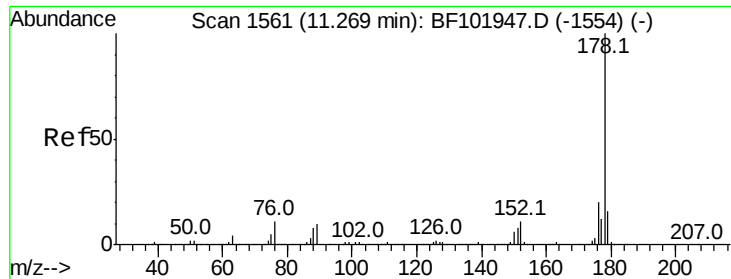
Sohil
 1/12/2018 10:37:08 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: BF102015.D
 Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	694278		
94	10.3	8.5	12.7	
80	11.4	9.2	13.8	





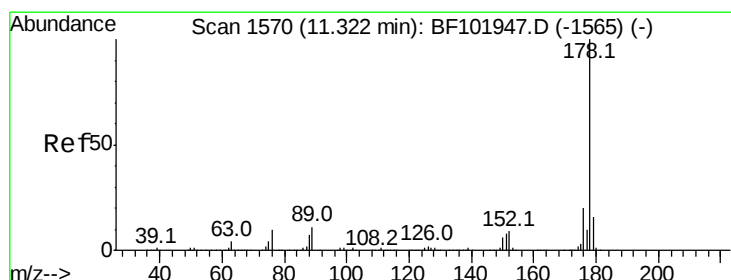
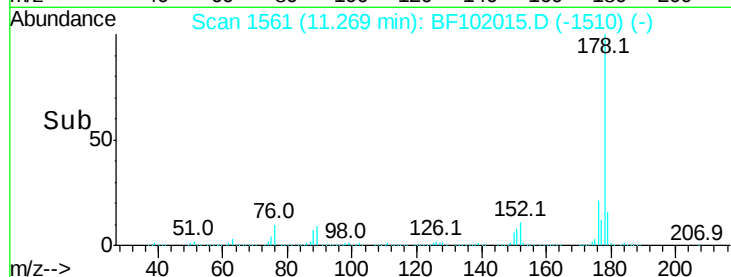
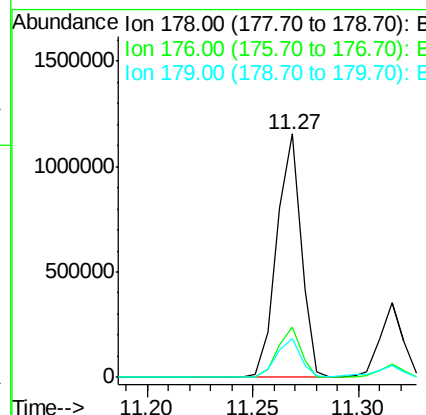
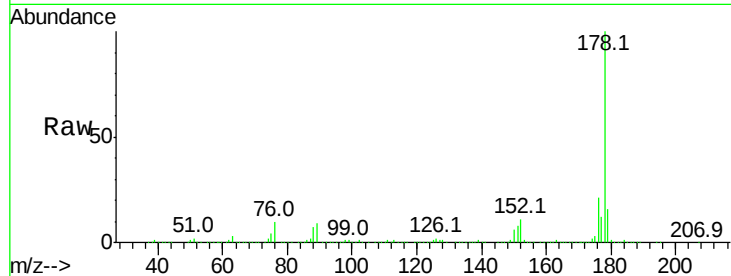
#70
Phenanthrene
Concen: 23.023 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Instrument :
BNA_F
ClientSampleId :
WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	15.8	13.0	19.6

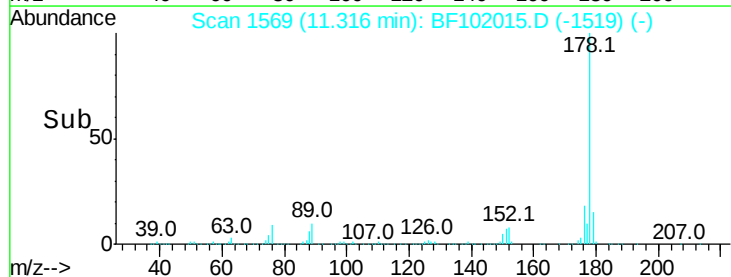
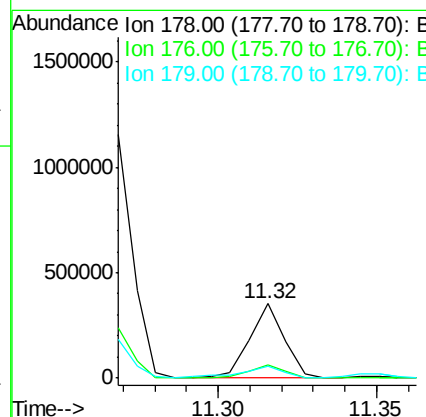
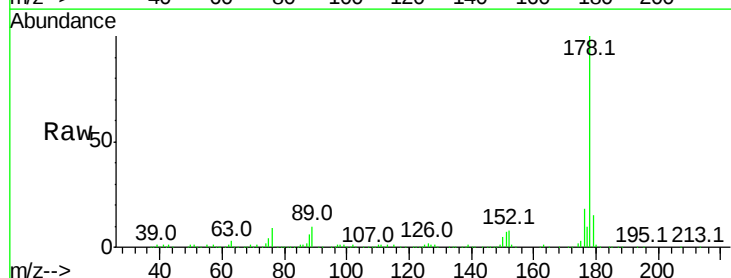
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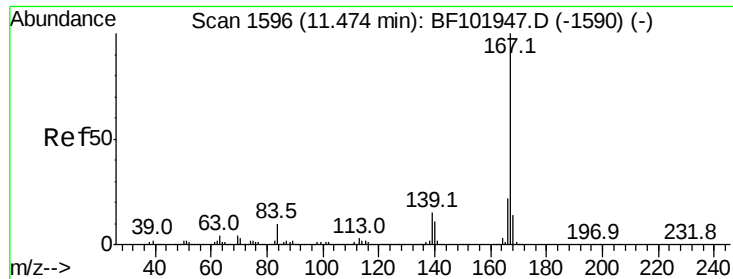
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#71
Anthracene
Concen: 6.372 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.4	12.6	19.0





#72

Carbazole

Concen: 2.152 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF102015.D

Acq: 11 Jan 2018 13:10

Instrument :

BNA_F

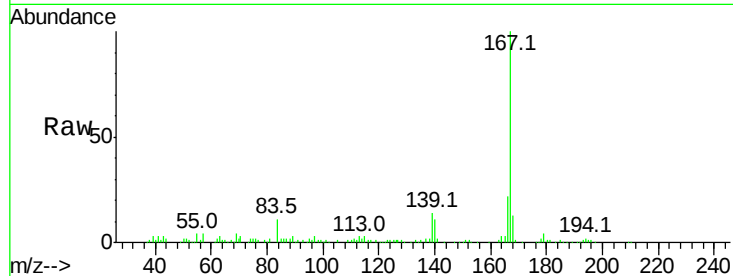
ClientSampleId :

WC-114767779-01DL

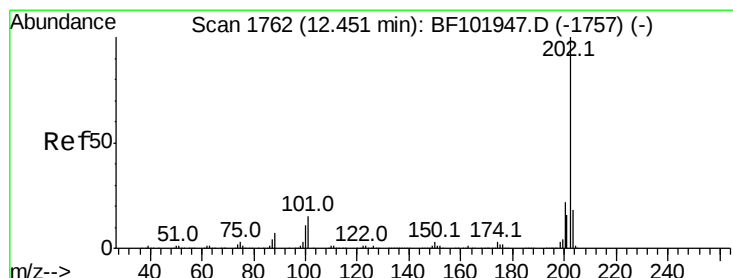
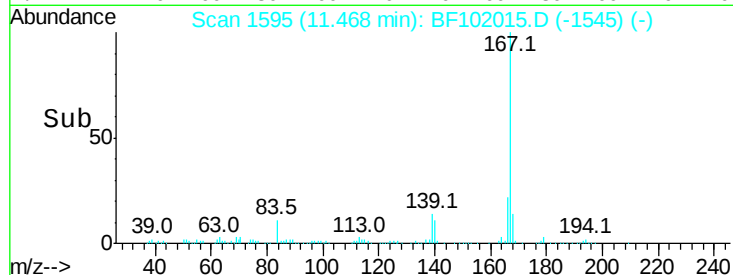
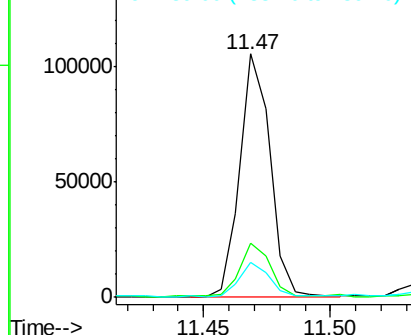
Tot Ion:	167	Resp:	86996
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	14.2	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 14.906 ng

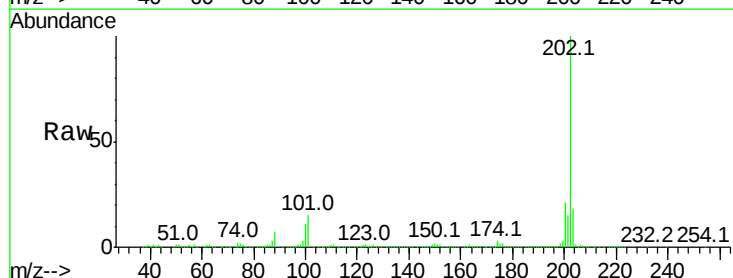
RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

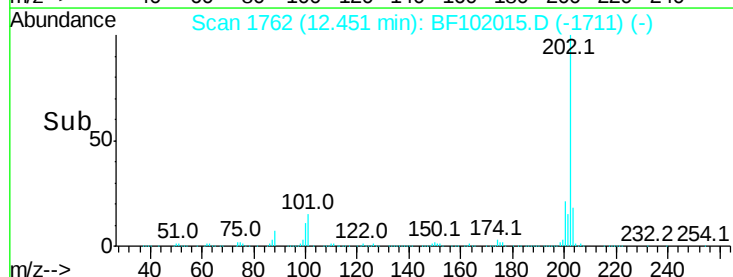
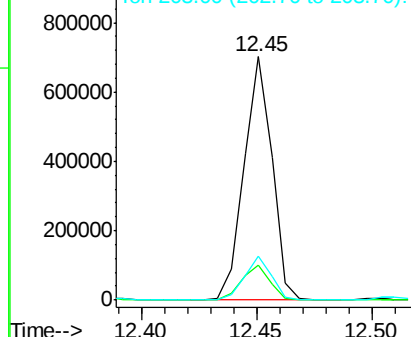
Lab File: BF102015.D

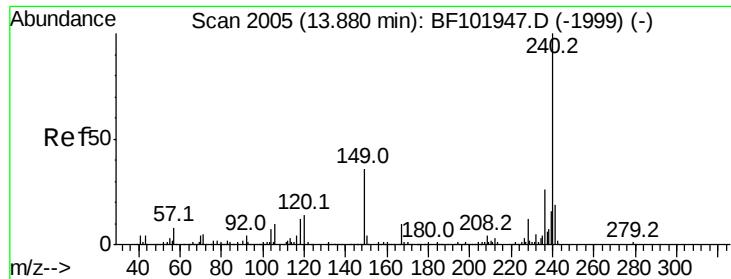
Acq: 11 Jan 2018 13:10

Tgt Ion:	202	Resp:	594775
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	34.1
203	17.8	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102015.D

Acq: 11 Jan 2018 13:10

Instrument :

BNA_F

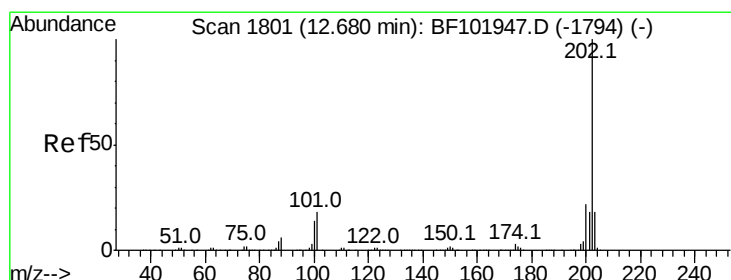
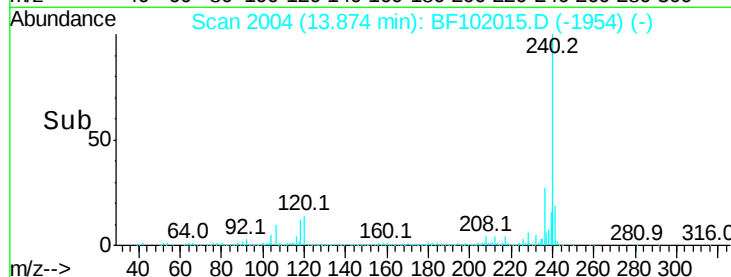
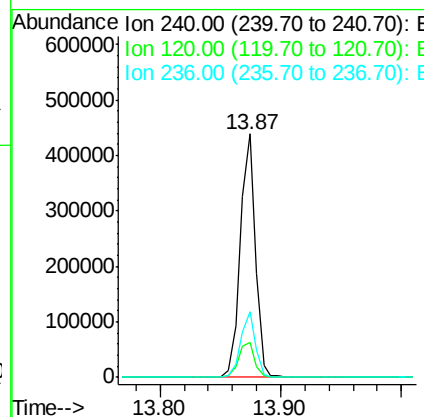
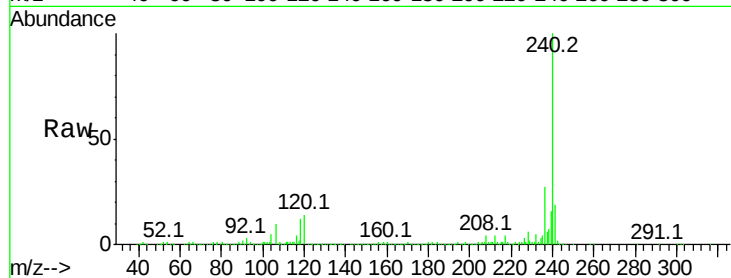
ClientSampleId :

WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	27.1	20.7	31.1

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#77

Pyrene

Concen: 15.772 ng

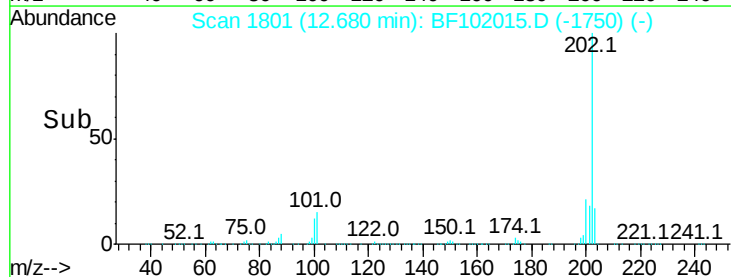
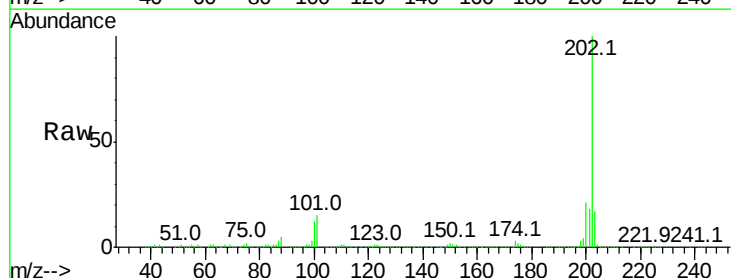
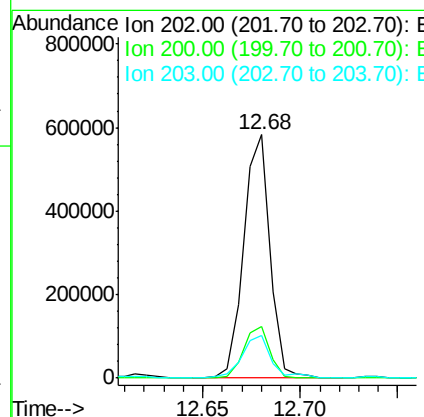
RT: 12.68 min Scan# 1801

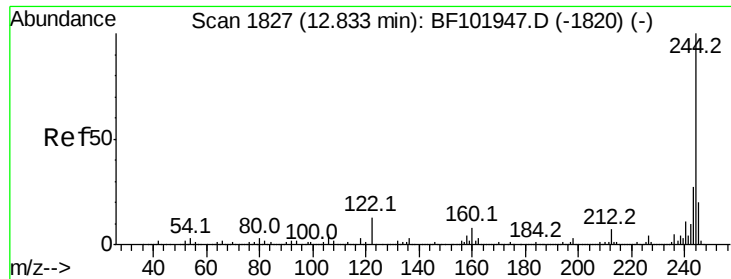
Delta R.T. -0.00 min

Lab File: BF102015.D

Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 0.265 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102015.D

Acq: 11 Jan 2018 13:10

Instrument :

BNA_F

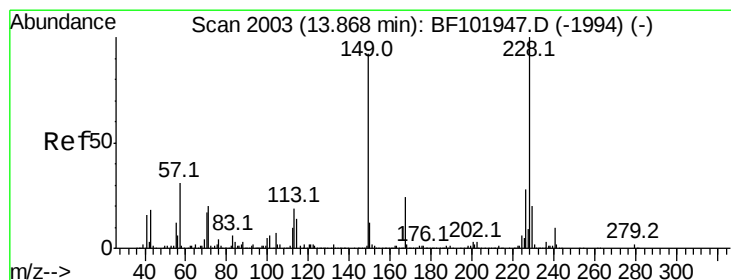
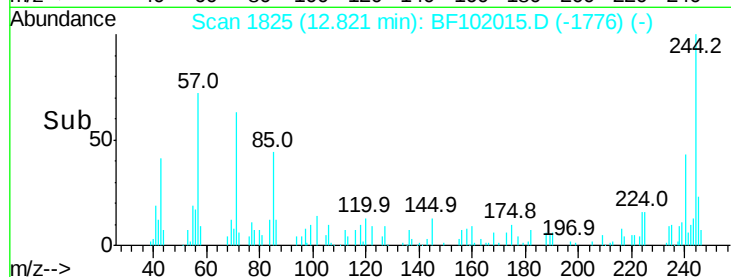
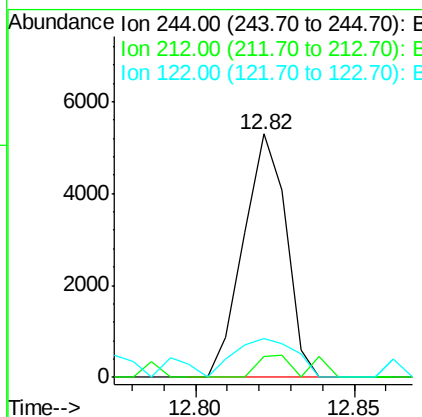
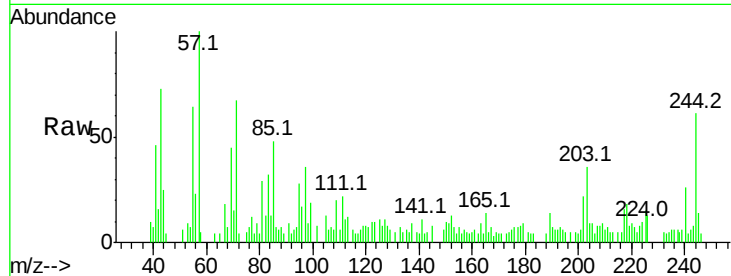
ClientSampleId :

WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.4	8.0#
122	15.9	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 7.701 ng m

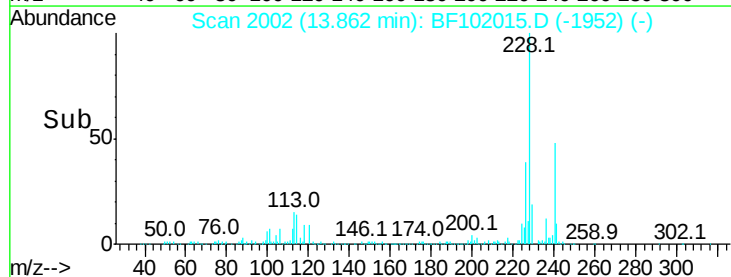
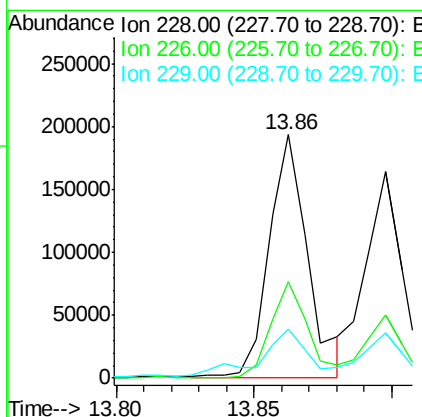
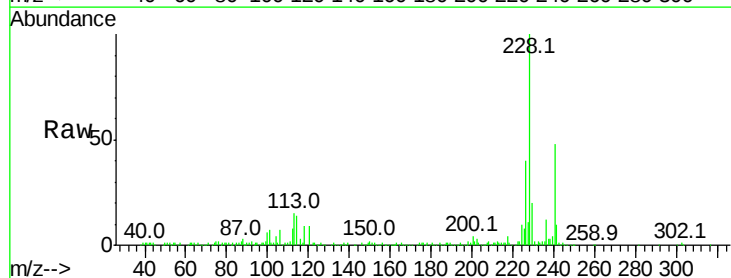
RT: 13.86 min Scan# 2002

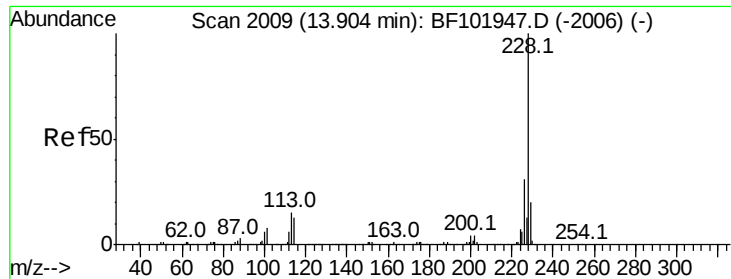
Delta R.T. -0.01 min

Lab File: BF102015.D

Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.7	22.6	33.8#
229	20.2	15.8	23.6





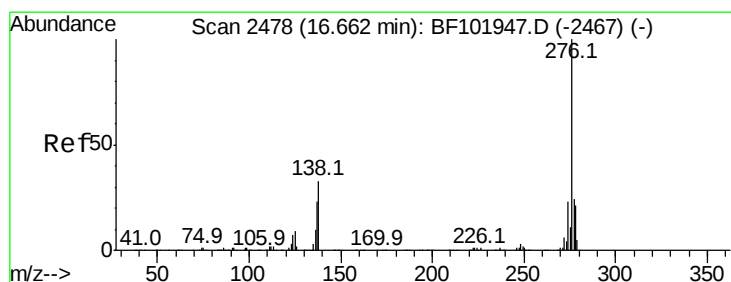
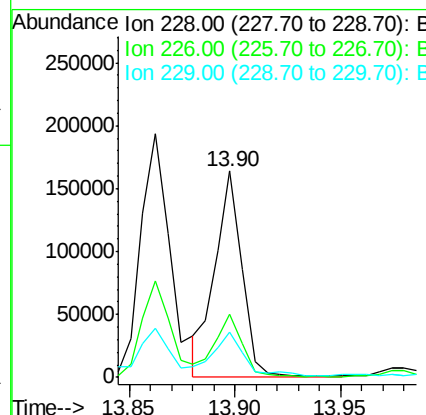
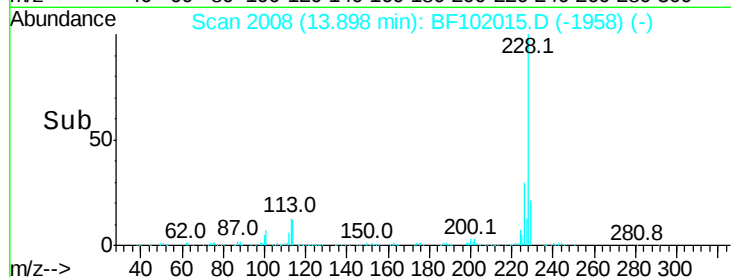
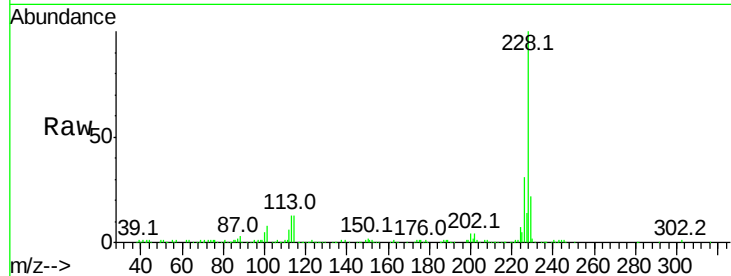
#82
Chrysene
Concen: 5.689 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Instrument :
BNA_F
ClientSampleId :
WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.6	16.2	24.4

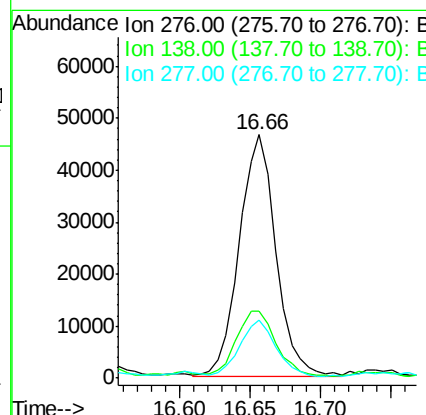
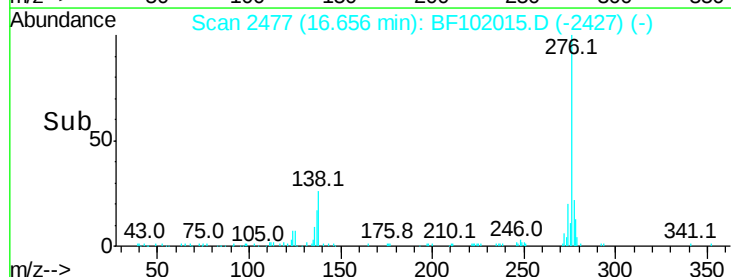
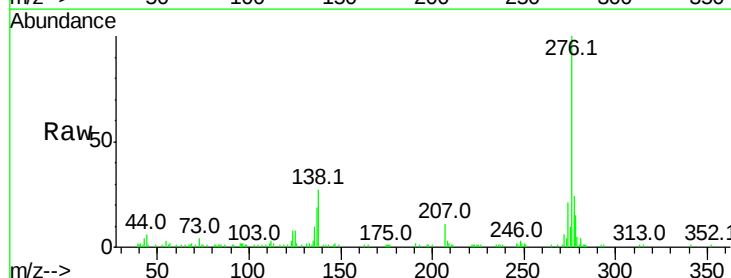
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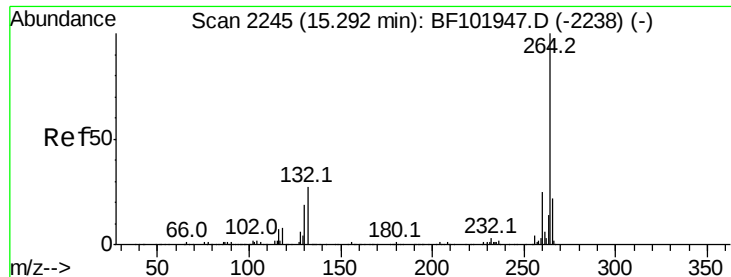
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.519 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.6	25.0	37.6
277	22.8	20.1	30.1





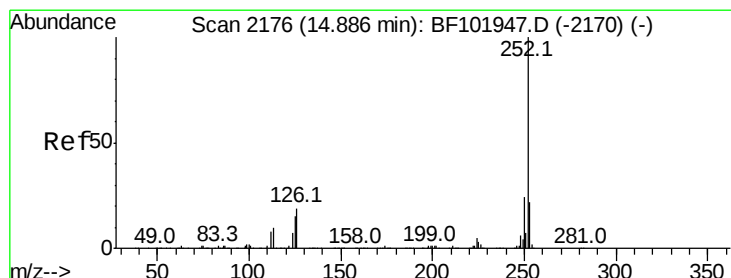
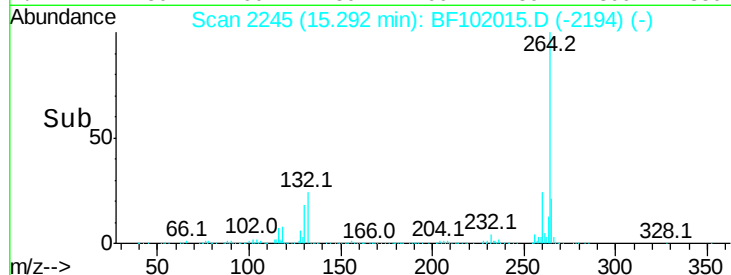
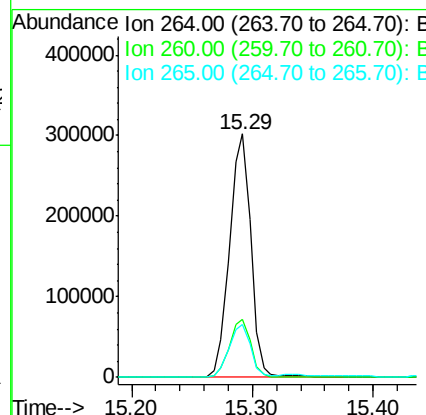
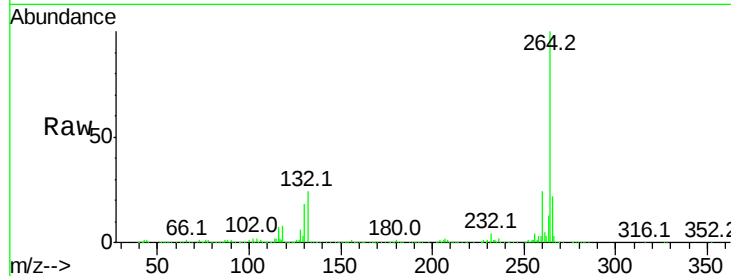
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Instrument :
BNA_F
ClientSampleId :
WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	17.5	26.3

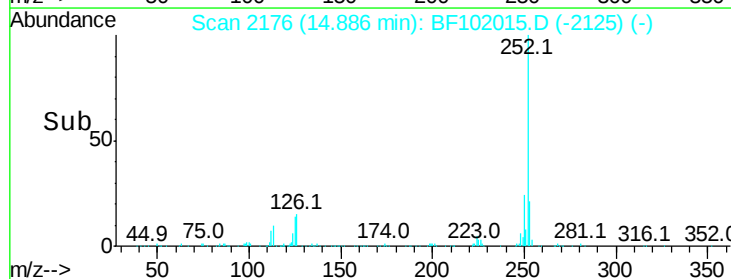
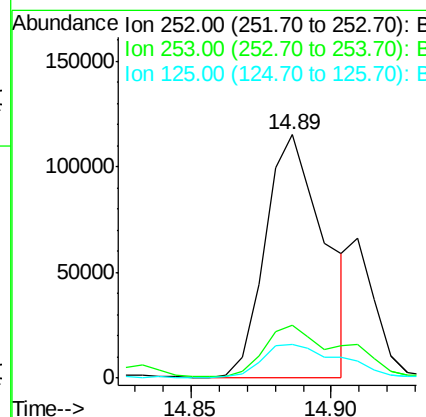
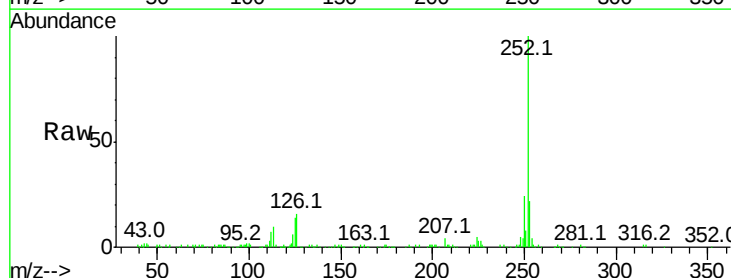
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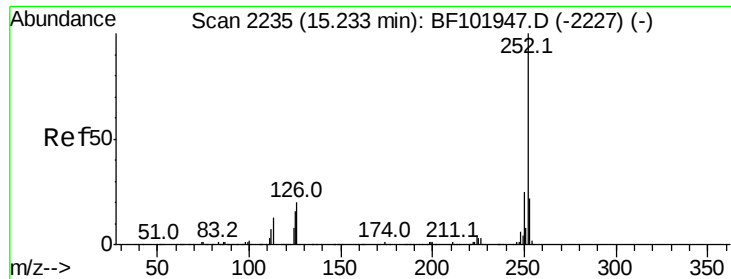
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#87
Benzo(b)fluoranthene
Concen: 7.082 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	14.1	9.0	13.6





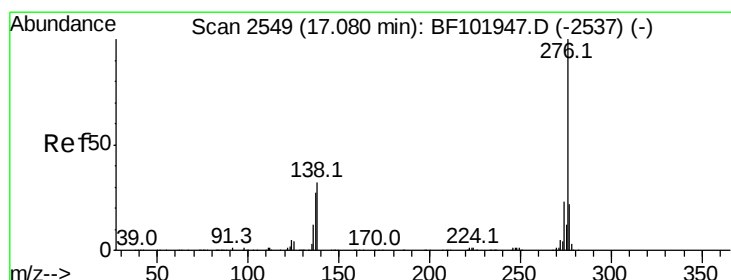
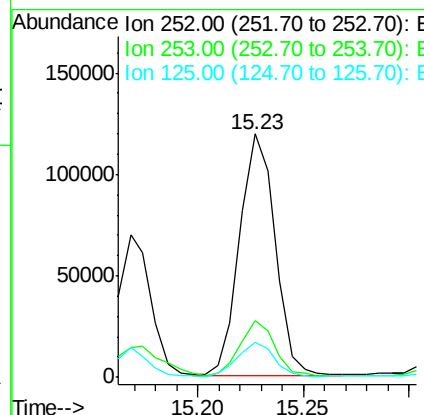
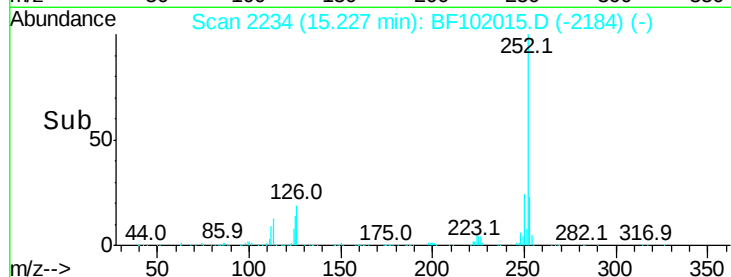
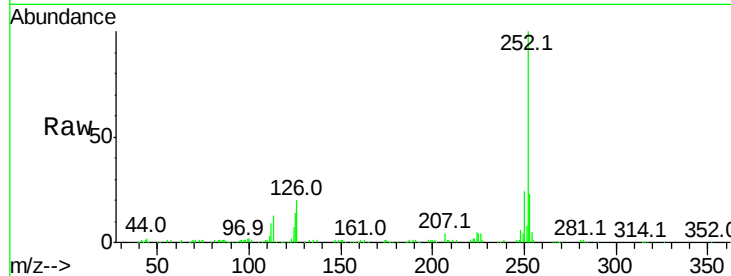
#89
Benzo(a)pyrene
Concen: 6.449 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Instrument :
BNA_F
ClientSampleId :
WC-114767779-01DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	14.3	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 4.679 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF102015.D
Acq: 11 Jan 2018 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	31.0	21.8	32.8

