

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104153.D
 Acq On : 3 Apr 2018 1:46
 Operator : JU/SJ
 Sample : J2173-01DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

Manual Integrations
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 4/3/2018 2:27:46 PM

Quant Time: Apr 03 03:05:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	86261	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	276384	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	153283	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	225019	20.00	ng	0.00
75) Chrysene-d12	14.14	240	211886	20.00	ng	0.00
86) Perylene-d12	15.69	264	203227	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	16351	3.02	ng	0.02
7) Phenol-d6	6.62	99	42744	6.42	ng	0.02
23) Nitrobenzene-d5	7.53	82	104542	23.13	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	36620	21.46	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	218577	22.49	ng	0.00
78) Terphenyl-d14	13.07	244	117832	12.84	ng	0.00
Target Compounds						
6) Aniline	6.64	93	57830	7.259	ng	71
17) 2-Methylphenol	7.21	107	50765	10.512	ng	94
20) 3+4-Methylphenols	7.37	107	167035	27.102	ng	94
27) 2,4-Dimethylphenol	7.90	122	343170	95.864	ng	99
31) Naphthalene	8.29	128	8166773	604.843	ng	97
37) 2-Methylnaphthalene	8.96	142	451693	50.786	ng	99
45) 1,1'-Biphenyl	9.42	154	153742	11.686	ng	98
51) Acenaphthene	10.03	154	260126	28.602	ng	99
54) Dibenzofuran	10.20	168	297358	22.389	ng	99
57) Fluorene	10.55	166	172698m	15.764	ng	
70) Phenanthrene	11.52	178	223849	18.374	ng	98
71) Anthracene	11.57	178	38826	3.051	ng	96
72) Carbazole	11.73	167	152800	12.581	ng	98

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

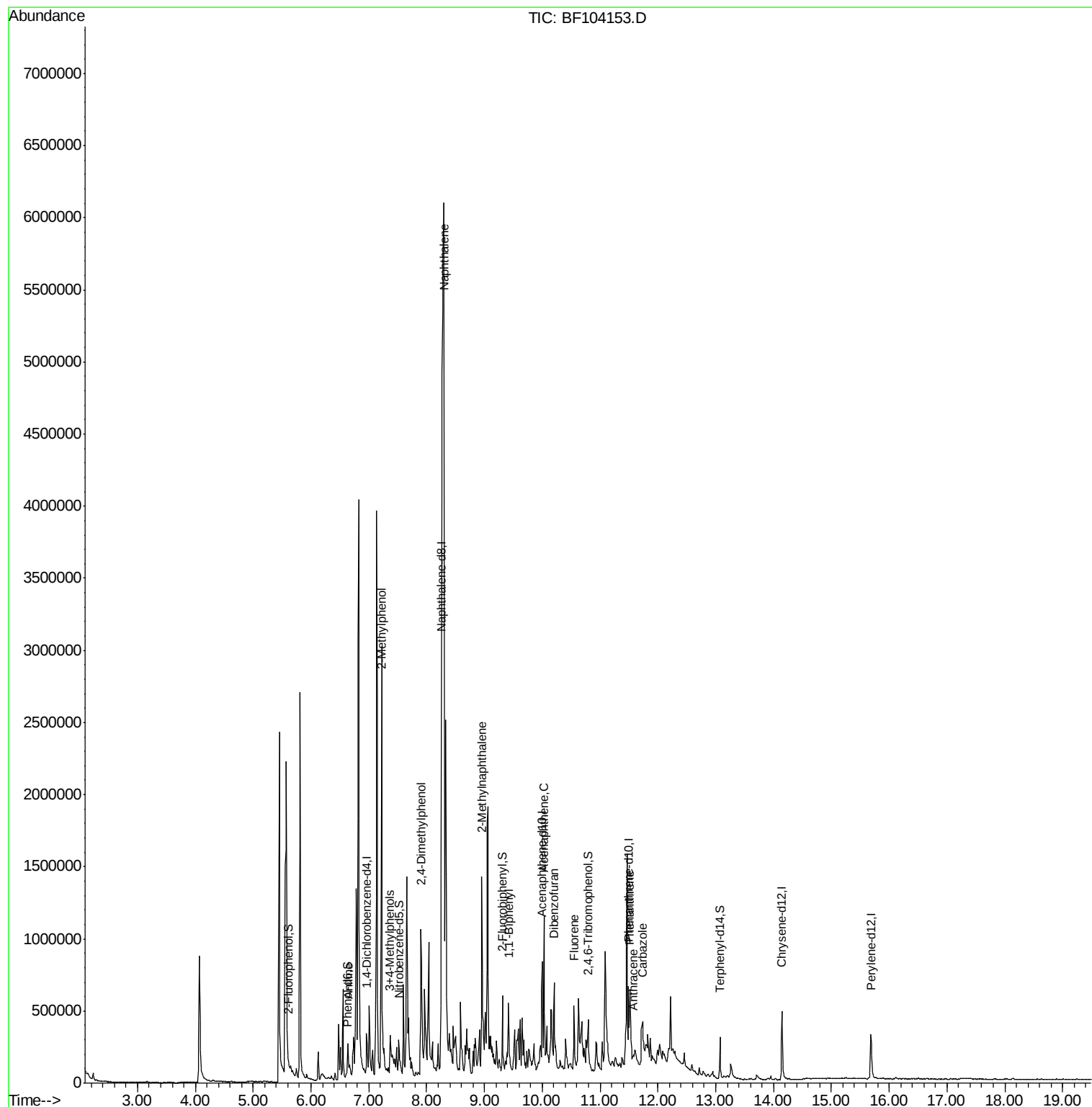
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104153.D
Acq On : 3 Apr 2018 1:46
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#1

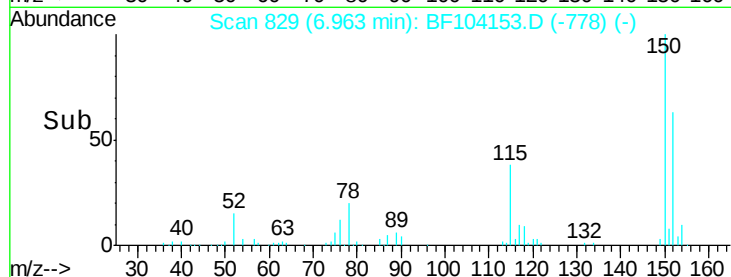
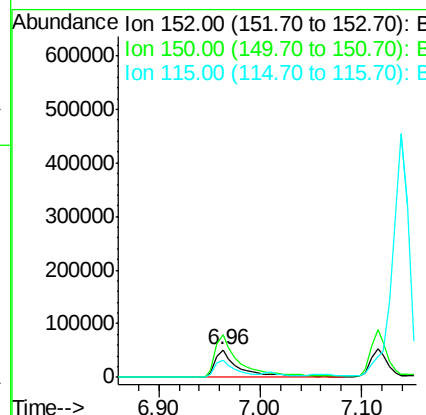
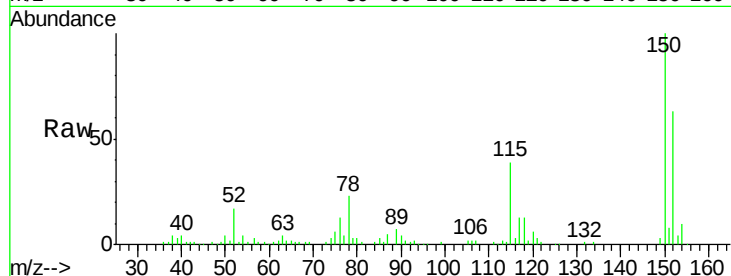
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	62.2	50.1	75.1

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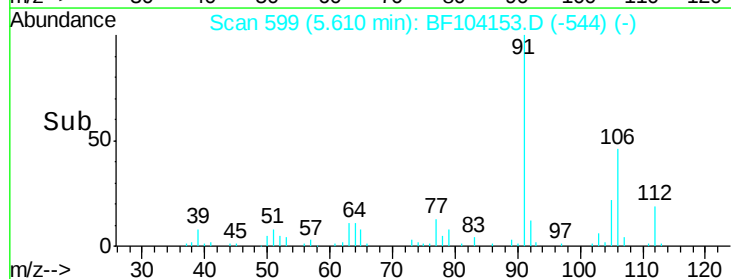
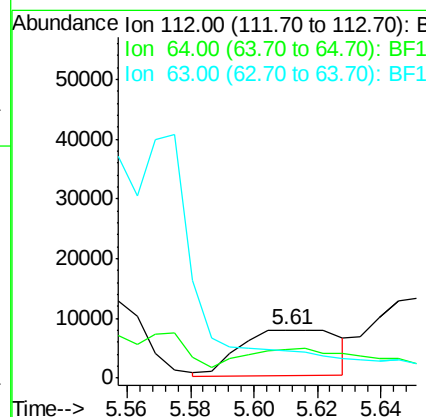
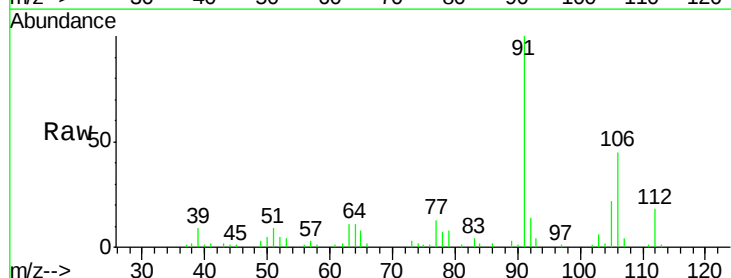
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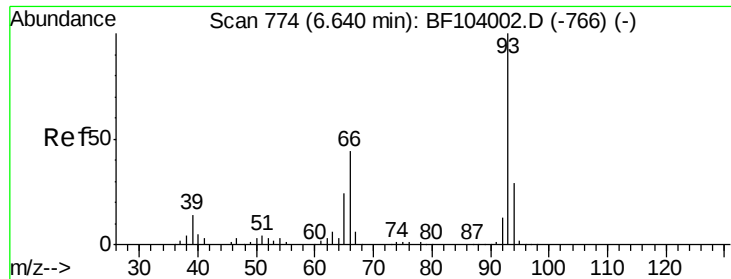


#5

2-Fluorophenol
Concen: 3.023 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	57.5	23.7	35.5#





#6

Aniline

Concen: 7.259 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

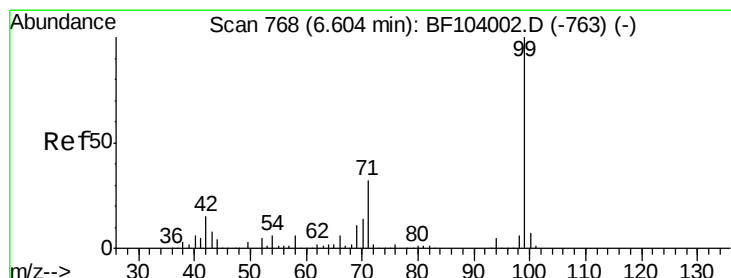
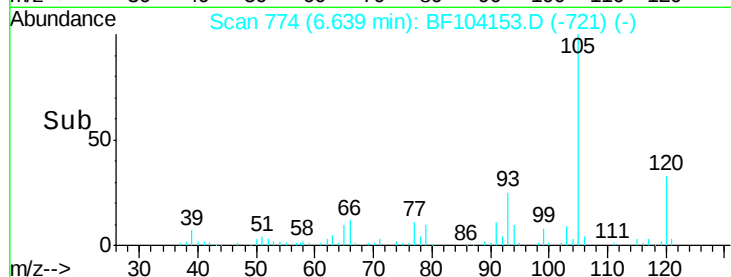
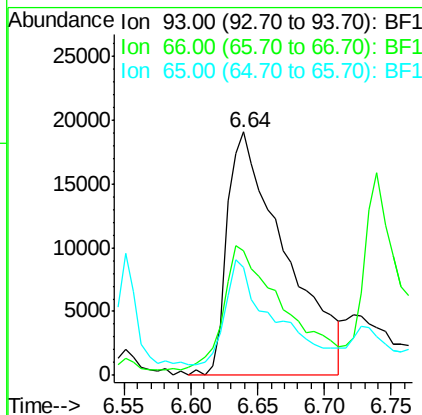
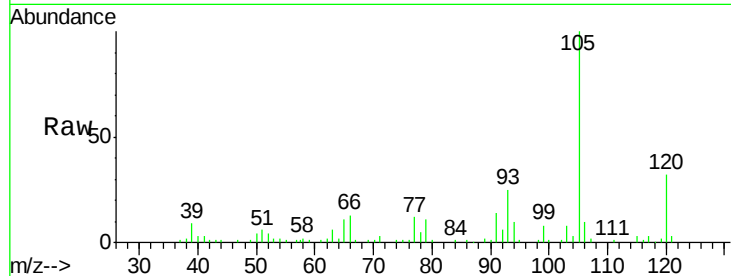
ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:	93	Resp:	57830
Ion Ratio	Lower	Upper	
93	100		
66	51.3	32.2	48.2#
65	44.6	16.4	24.6#

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#7

Phenol-d6

Concen: 6.423 ng

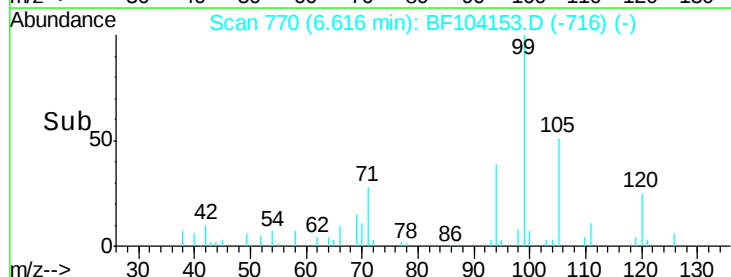
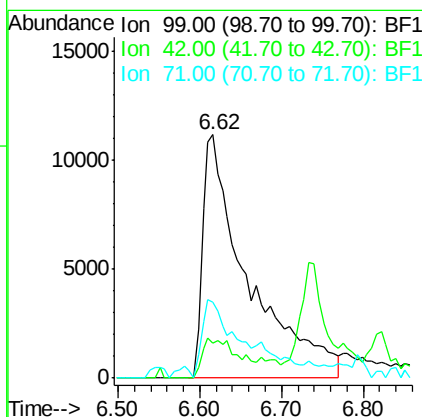
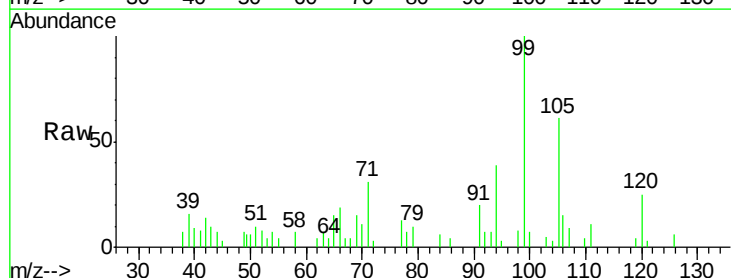
RT: 6.62 min Scan# 770

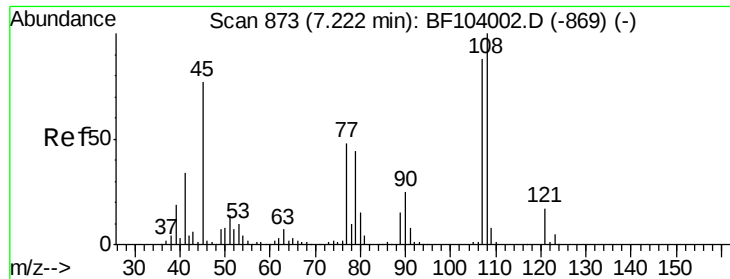
Delta R.T. 0.02 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Tgt Ion:	99	Resp:	42744
Ion Ratio	Lower	Upper	
99	100		
42	14.5	14.5	21.7
71	31.2	25.4	38.0





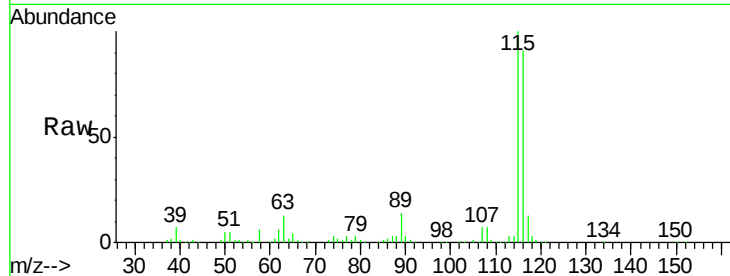
#17
2-Methylphenol
Concen: 10.512 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion:	107	Resp:	50765
Ion	Ratio	Lower	Upper
107	100		
108	108.0	91.7	137.5
77	48.2	33.8	50.8
79	41.8	33.8	50.8

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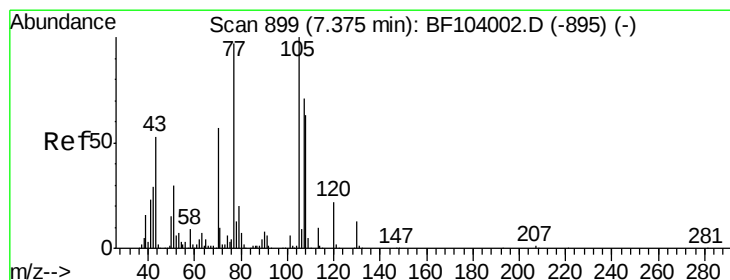
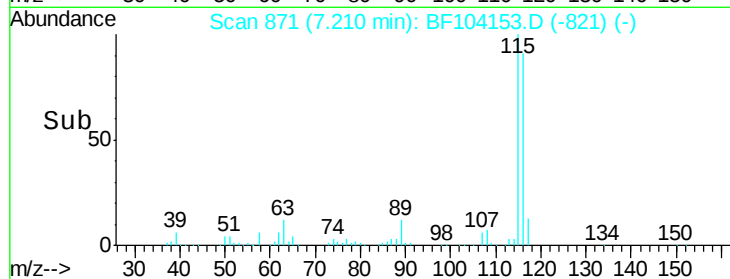
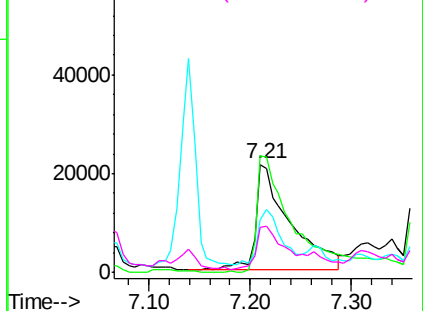
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20
3+4-Methylphenols
Concen: 27.102 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion:	107	Resp:	167035
Ion	Ratio	Lower	Upper
107	100		
108	87.0	68.2	108.2
77	34.4	26.7	66.7
79	27.1	6.3	46.3

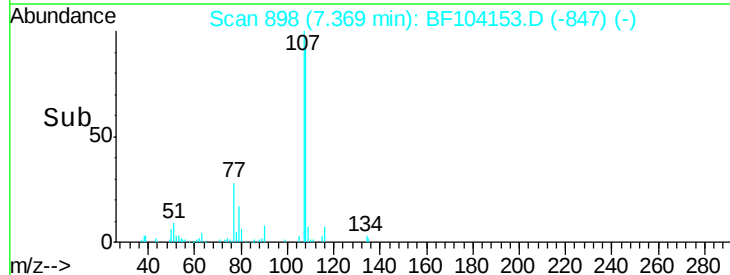
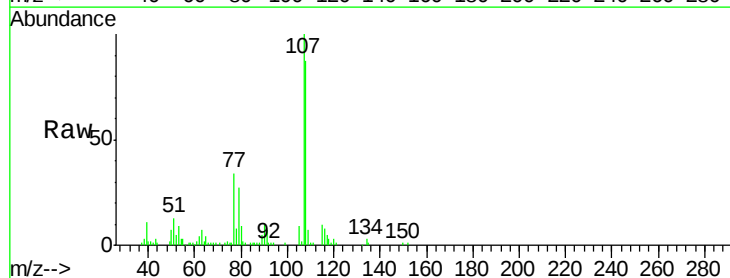
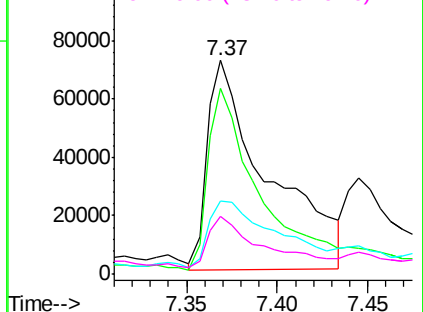
Abundance

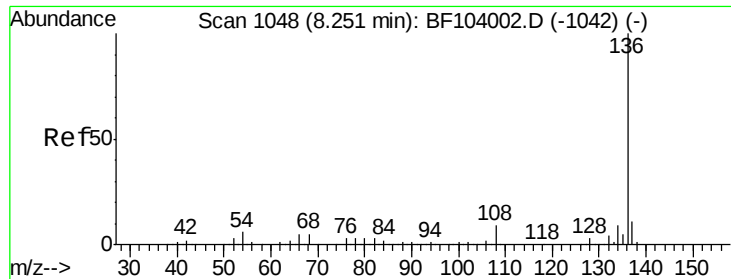
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

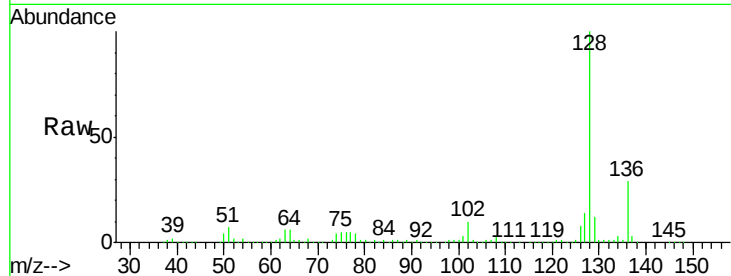
ClientSampleId :

QNWP8-MW26S-GWDL

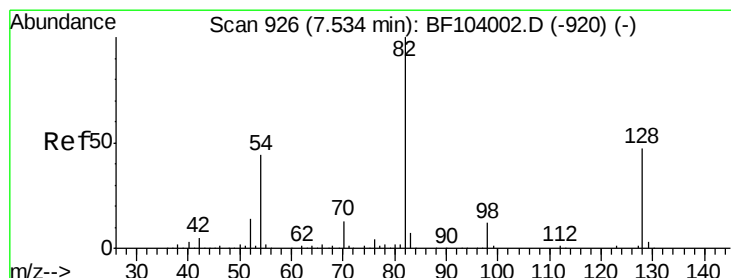
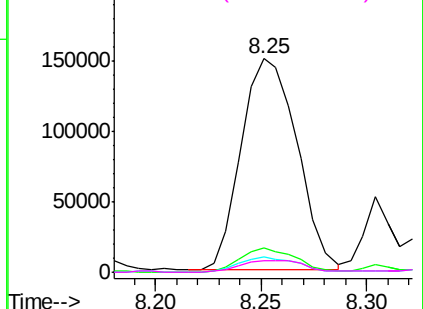
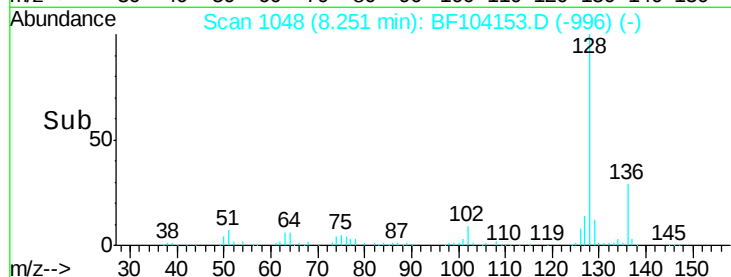
Tot Ion	Ratio	Resp	Lower	Upper
136	100	276384		
137	11.4	8.9	13.3	
54	7.2	6.6	9.8	
68	5.6	5.0	7.4	

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 23.132 ng

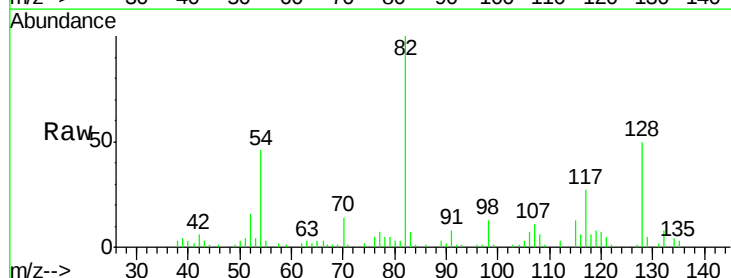
RT: 7.53 min Scan# 925

Delta R.T. -0.00 min

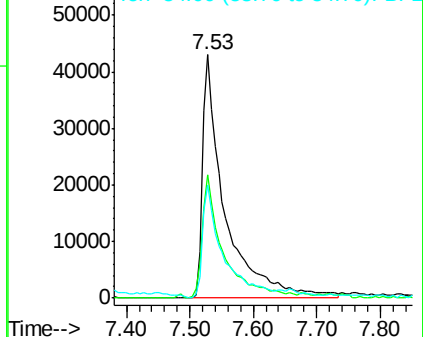
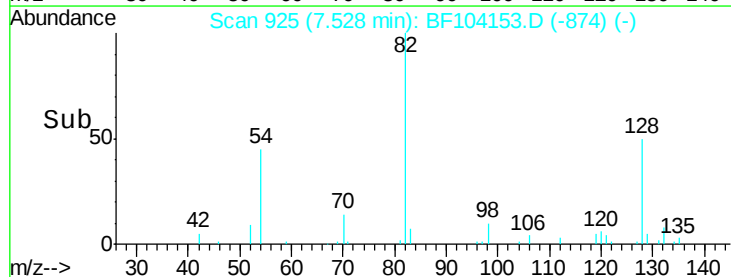
Lab File: BF104153.D

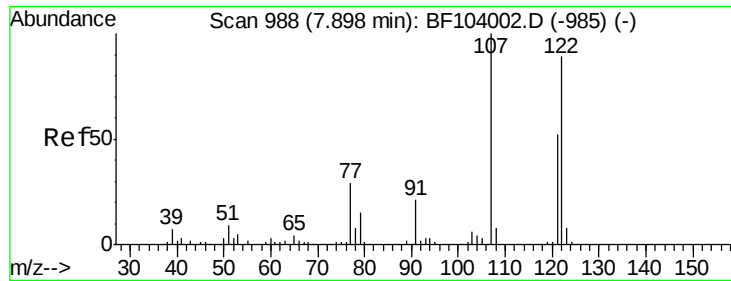
Acq: 3 Apr 2018 1:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	104542		
128	50.5	36.1	54.1	
54	46.3	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





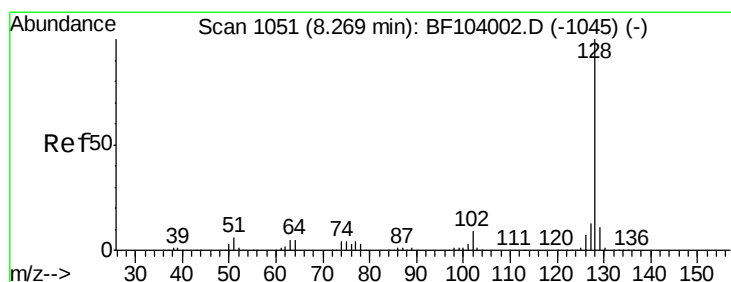
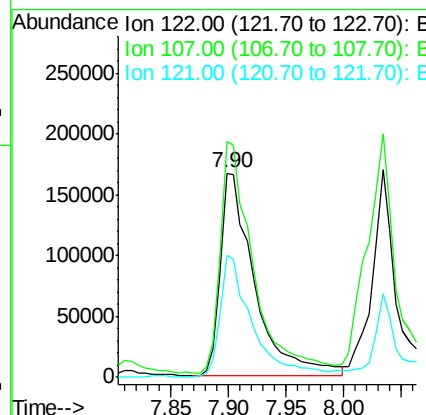
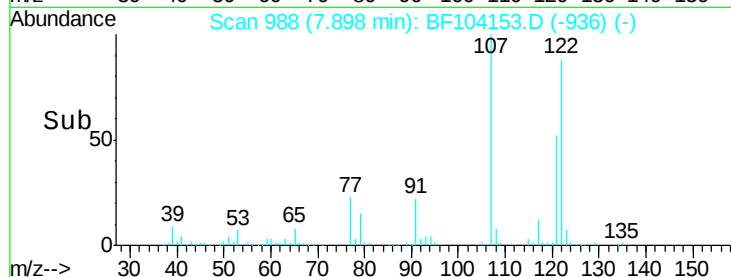
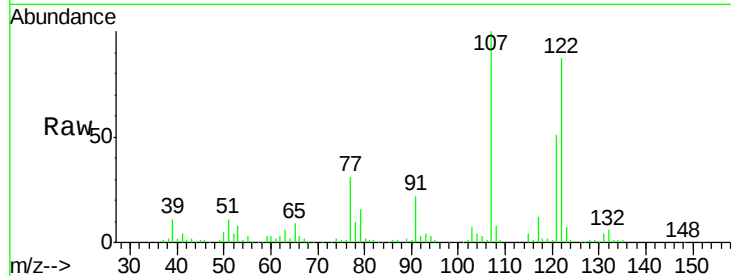
#27
2,4-Dimethylphenol
Concen: 95.864 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		343170		
107	115.5	91.2	136.8		
121	59.4	47.2	70.8		

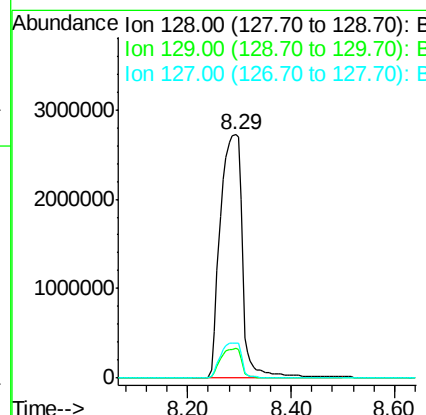
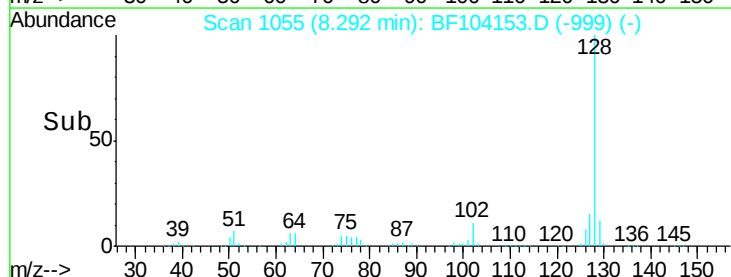
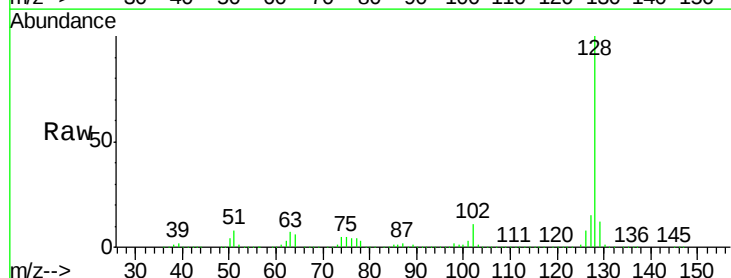
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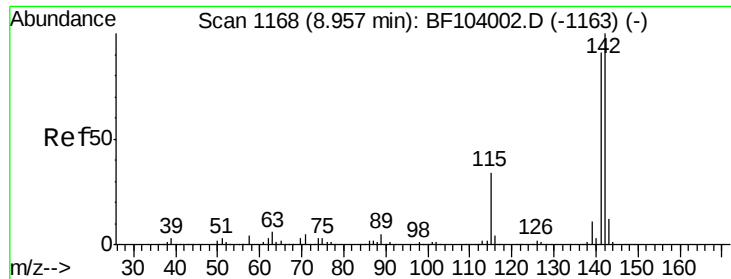
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#31
Naphthalene
Concen: 604.843 ng
RT: 8.29 min Scan# 1055
Delta R.T. 0.03 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		8166773		
129	12.0	8.8	13.2		
127	14.6	10.9	16.3		





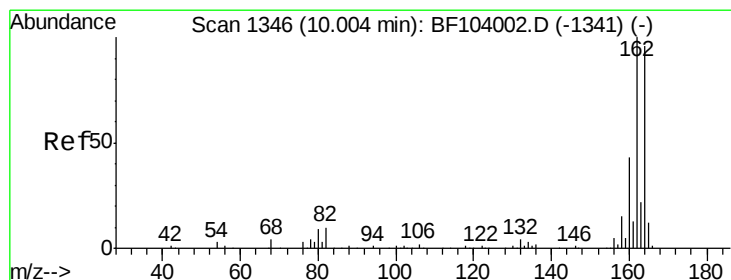
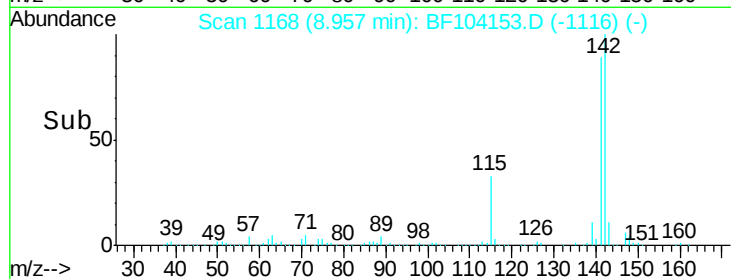
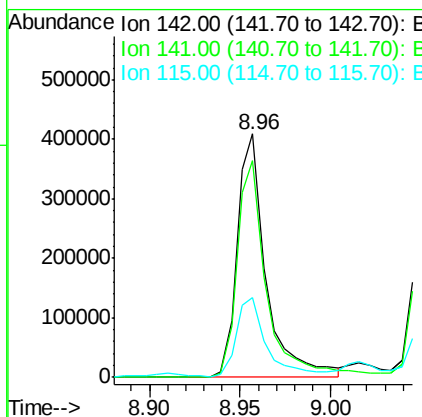
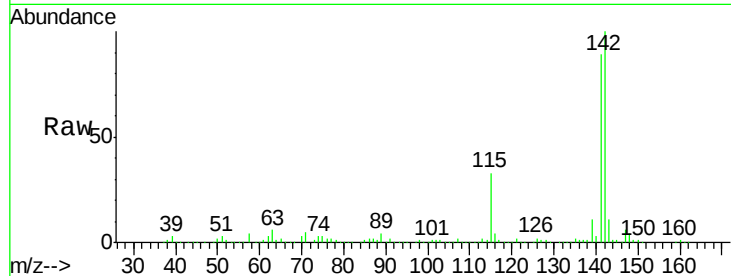
#37
2-Methylnaphthalene
Concen: 50.786 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2
115	33.0	26.1	39.1

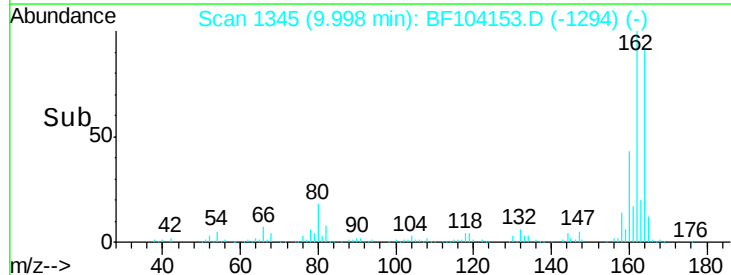
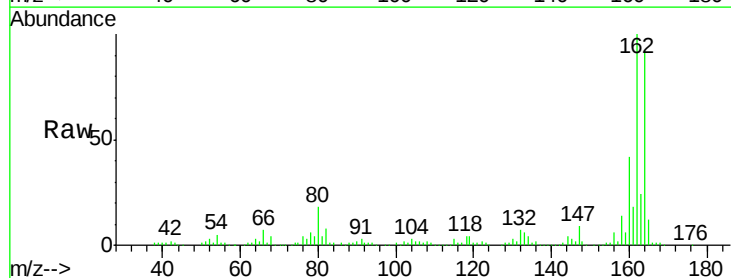
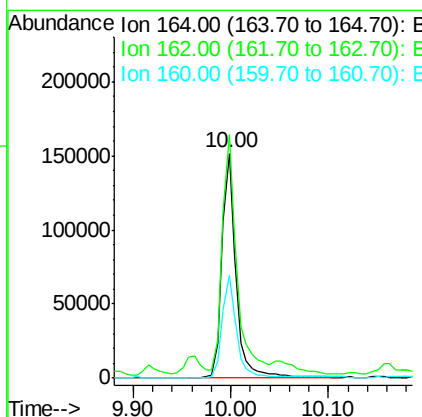
Manual Integrations
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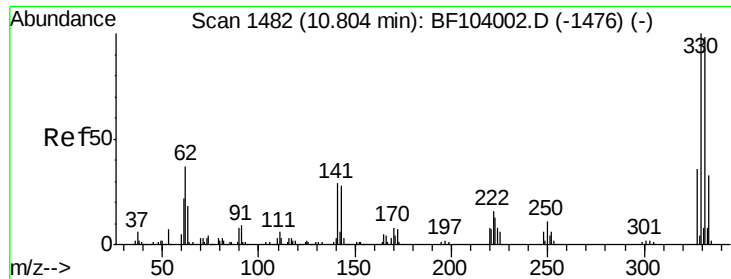
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.4	86.1	129.1
160	45.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 21.455 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

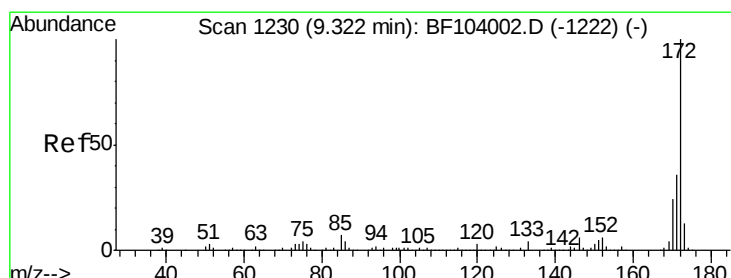
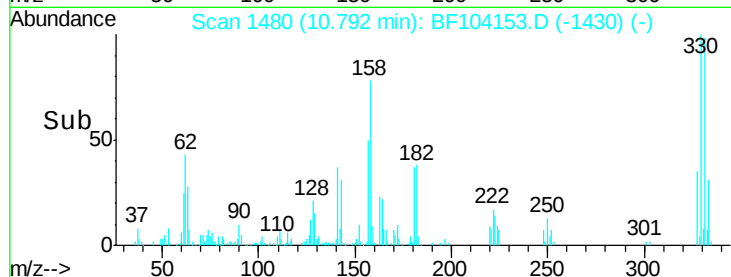
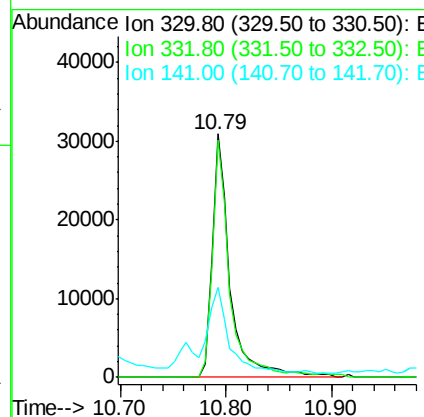
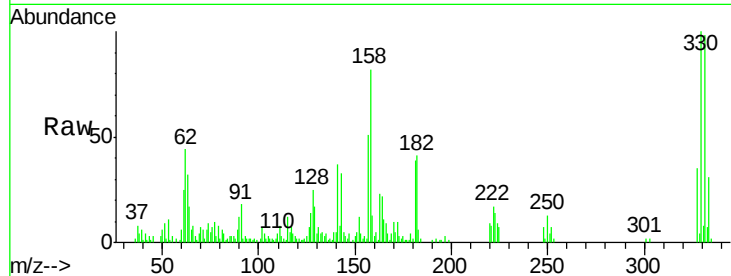
ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:	330	Resp:	36620
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.0	115.6
141	39.6	29.9	44.9

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 22.486 ng

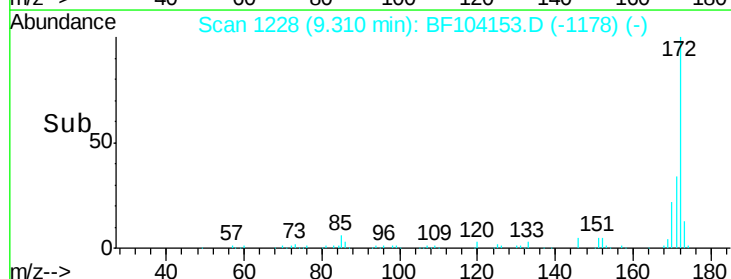
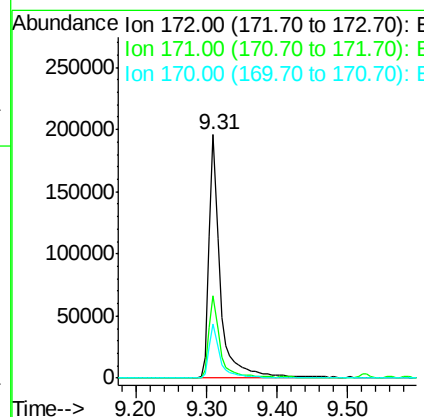
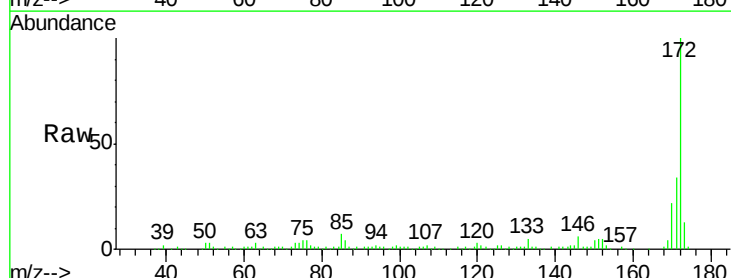
RT: 9.31 min Scan# 1228

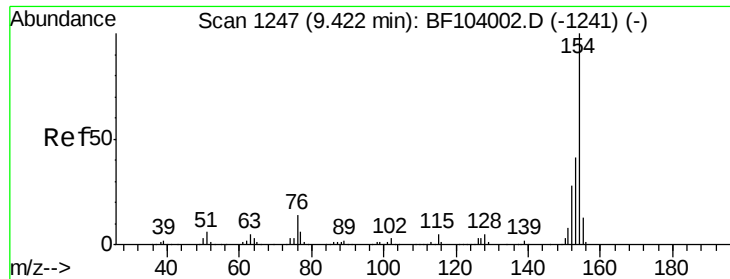
Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Tgt Ion:	172	Resp:	218577
Ion Ratio	Lower	Upper	
172	100		
171	33.9	29.7	44.5
170	22.2	19.6	29.4





#45

1,1'-Biphenyl

Concen: 11.686 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

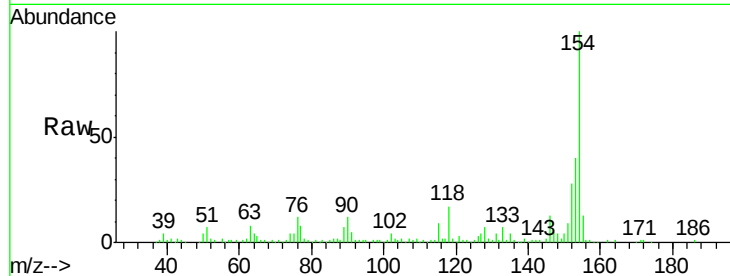
ClientSampleId :

QNWP8-MW26S-GWDL

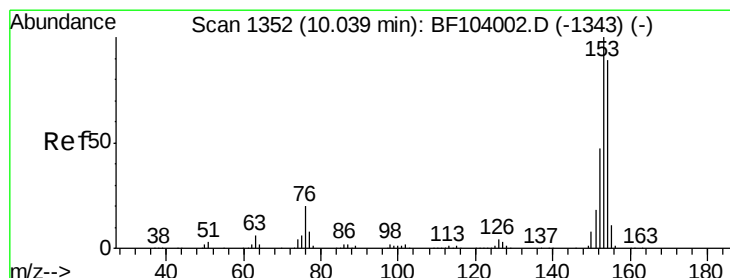
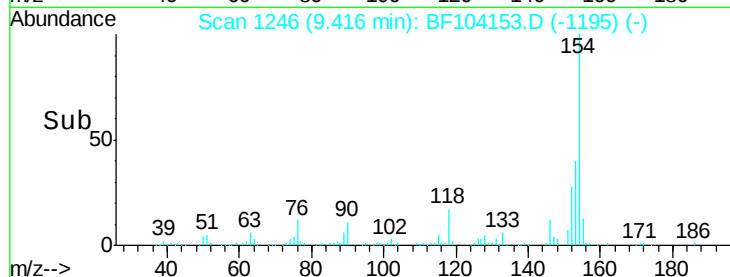
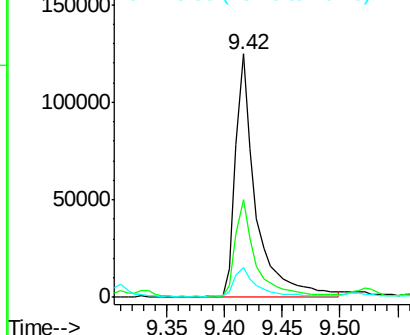
Tot Ion:	154	Resp:	153742
Ion Ratio	Lower	Upper	
154	100		
153	40.4	21.3	61.3
76	12.3	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#51

Acenaphthene

Concen: 28.602 ng

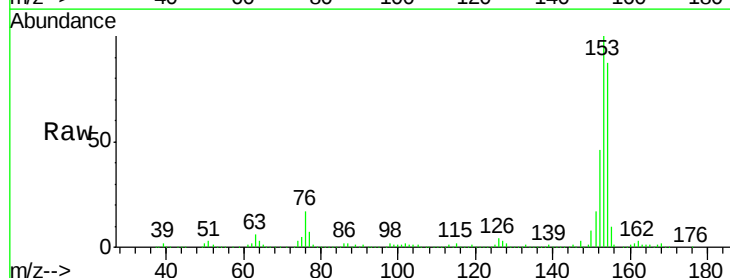
RT: 10.03 min Scan# 1351

Delta R.T. -0.00 min

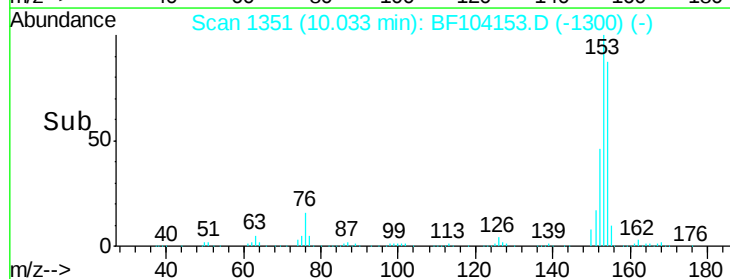
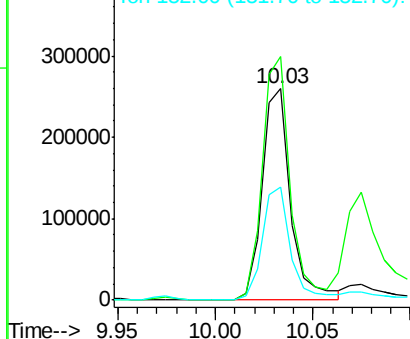
Lab File: BF104153.D

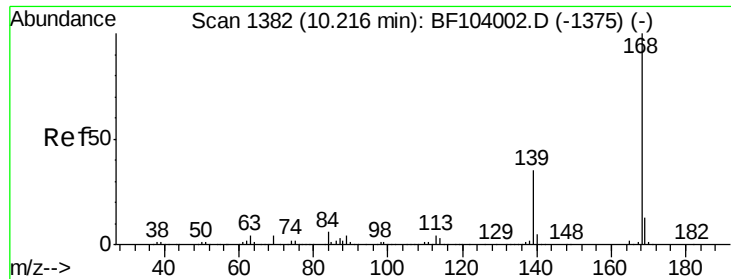
Acq: 3 Apr 2018 1:46

Tgt Ion:	154	Resp:	260126
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.2	136.8
152	53.4	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 22.389 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

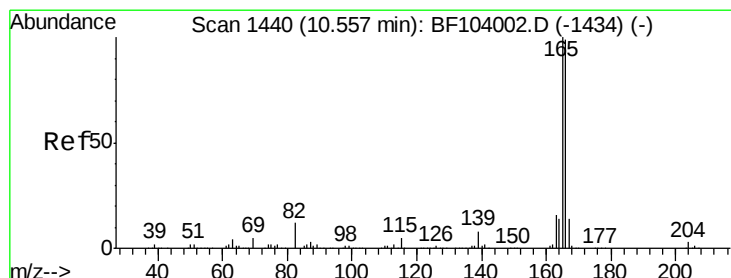
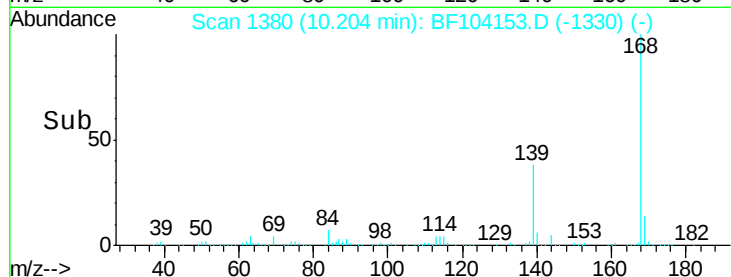
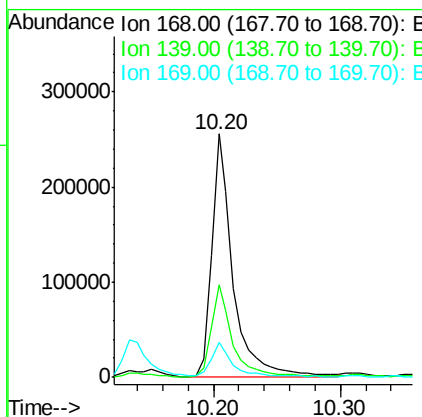
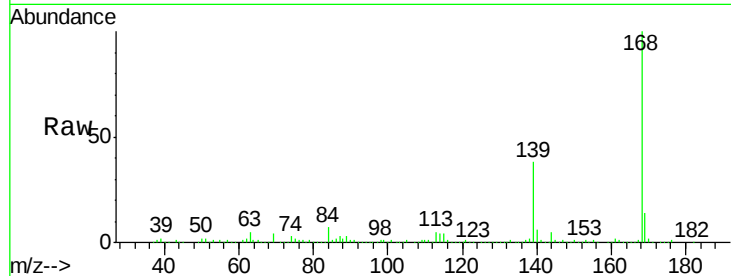
ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion:	168	Resp:	297358
Ion Ratio	Lower	Upper	
168	100		
139	38.2	30.1	45.1
169	14.5	10.9	16.3

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#57

Fluorene

Concen: 15.764 ng m

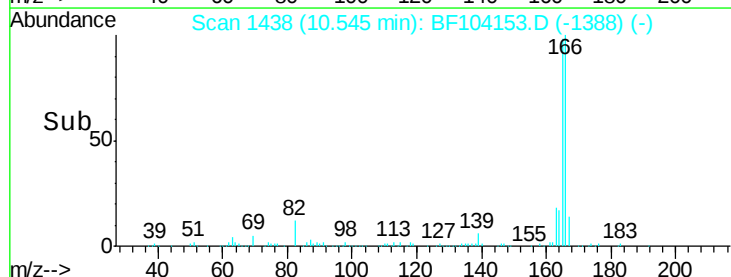
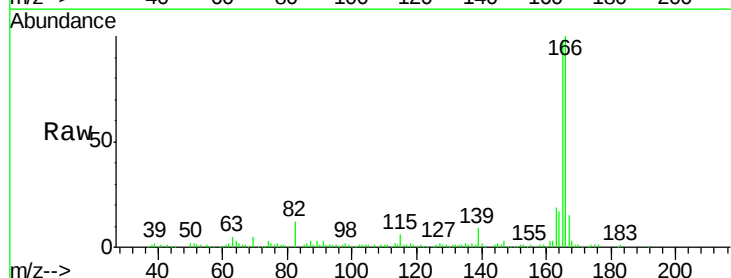
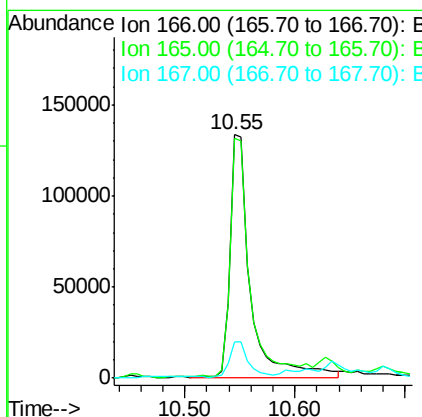
RT: 10.55 min Scan# 1438

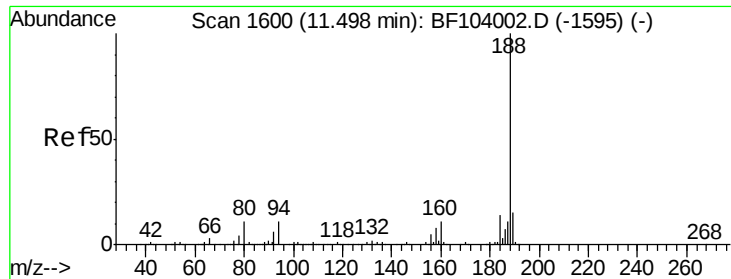
Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Tgt Ion:	166	Resp:	172698
Ion Ratio	Lower	Upper	
166	100		
165	98.2	79.8	119.8
167	14.9	10.6	16.0





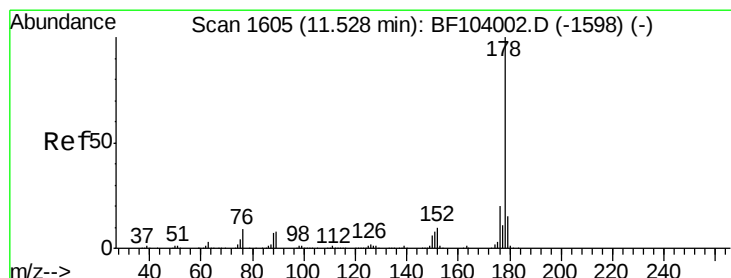
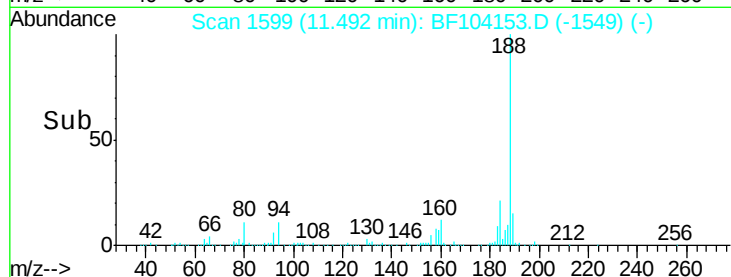
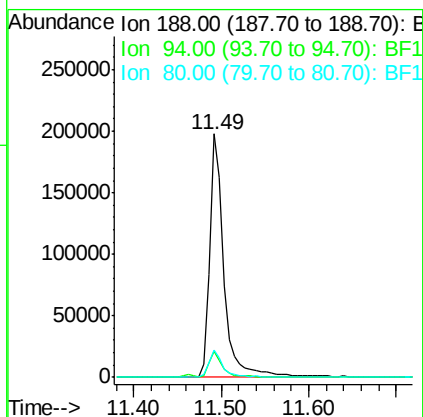
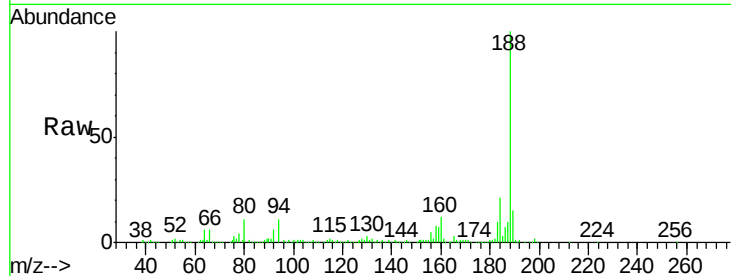
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	225019		
94	10.6		8.5	12.7
80	11.4		9.2	13.8

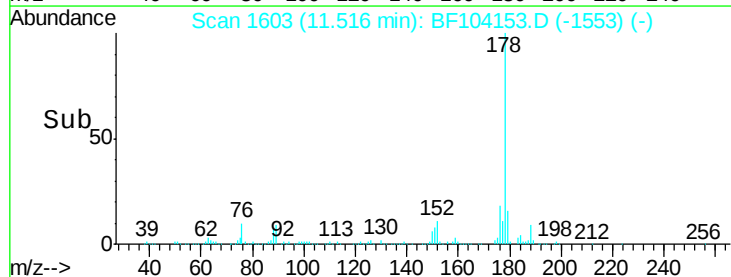
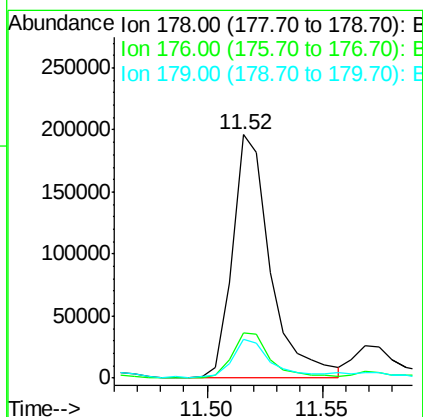
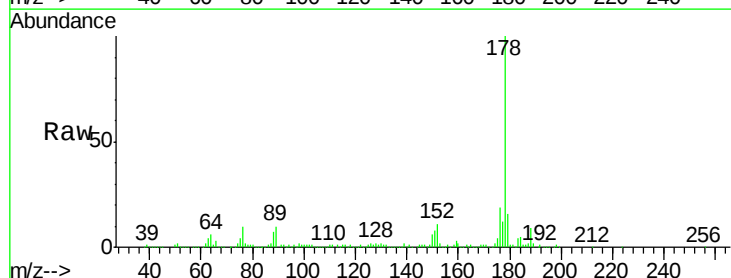
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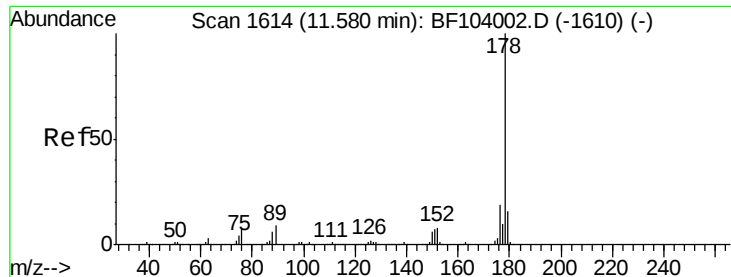
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#70
Phenanthrene
Concen: 18.374 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	223849		
176	18.5		15.8	23.8
179	15.7		13.0	19.6





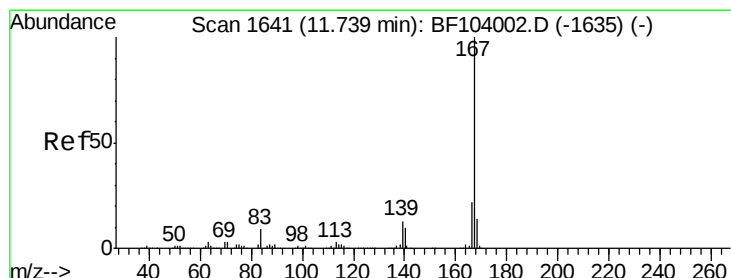
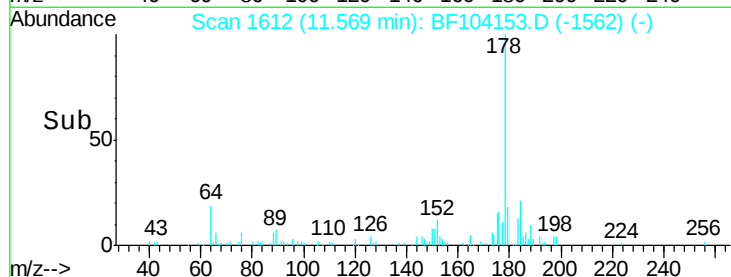
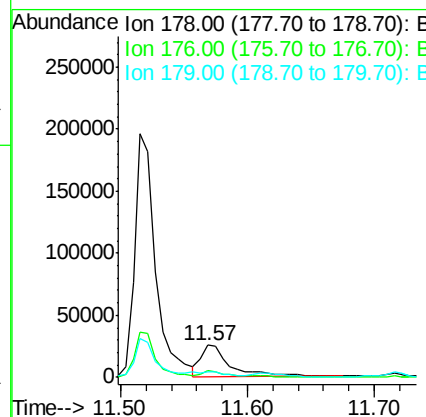
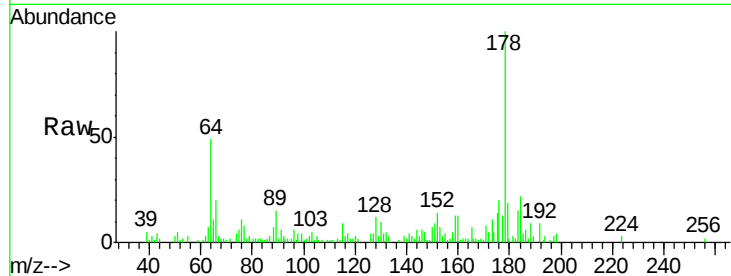
#71
 Anthracene
 Concen: 3.051 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF104153.D
 Acq: 3 Apr 2018 1:46

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	18.9	12.6	19.0

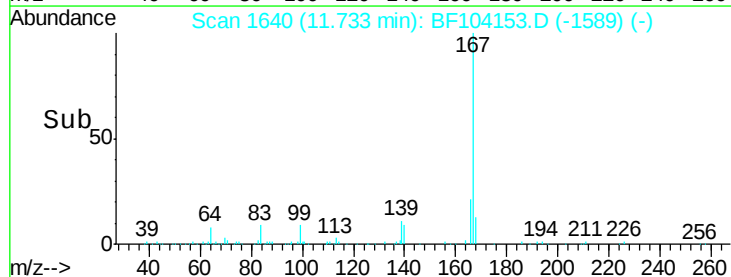
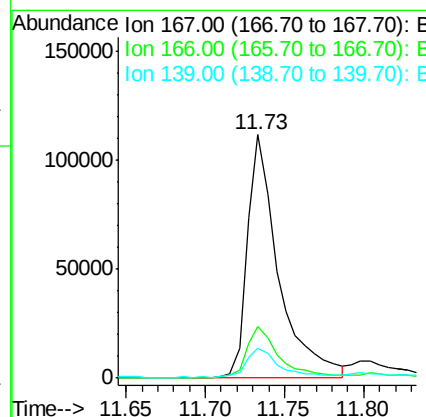
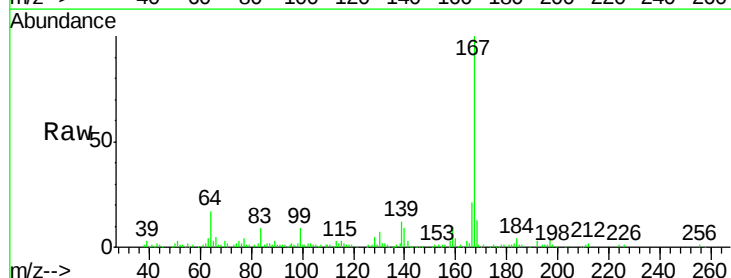
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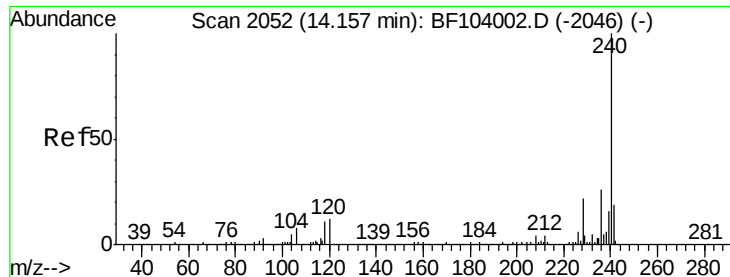
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#72
 Carbazole
 Concen: 12.581 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. -0.00 min
 Lab File: BF104153.D
 Acq: 3 Apr 2018 1:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.6	26.4
139	12.1	10.9	16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

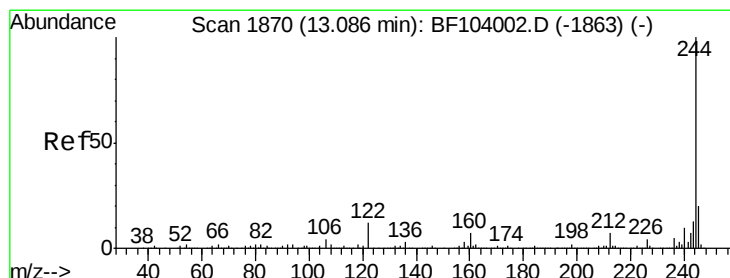
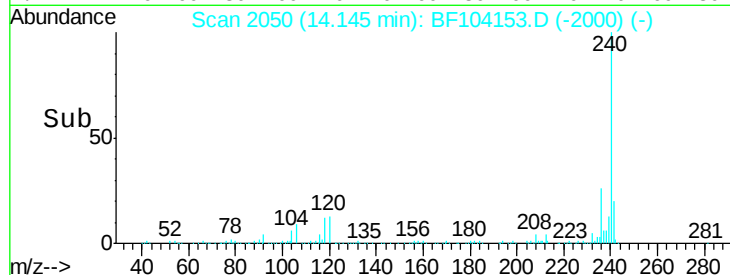
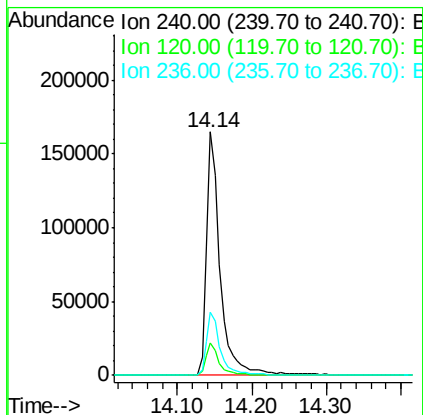
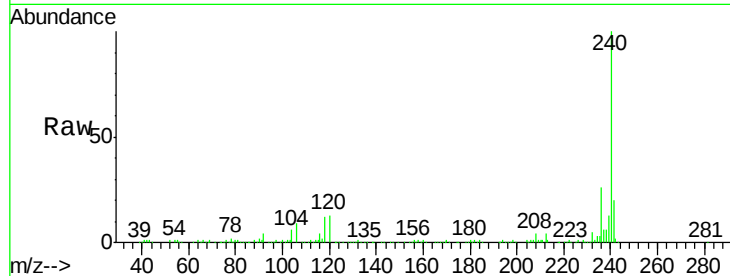
ClientSampleId :

QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	25.8	20.7	31.1

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#78

Terphenyl-d14

Concen: 12.840 ng

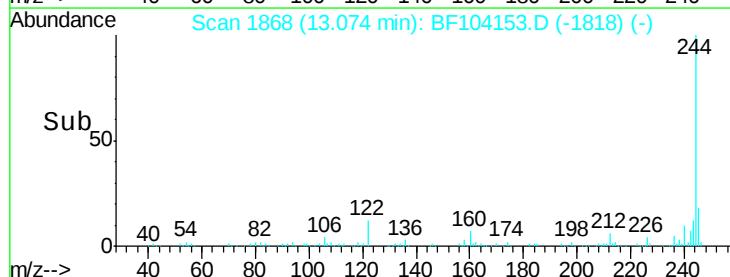
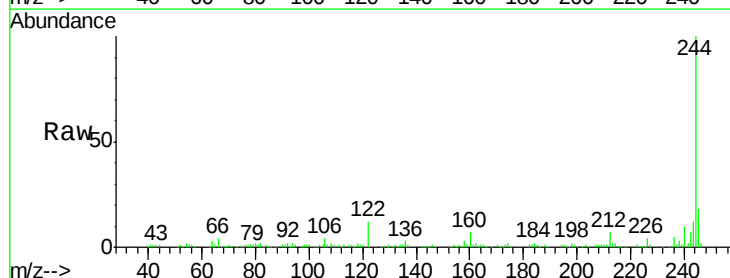
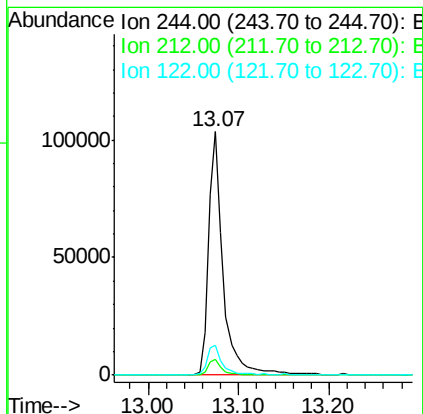
RT: 13.07 min Scan# 1868

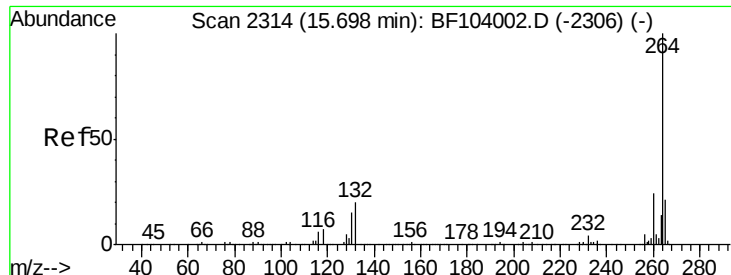
Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.2	11.0	16.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.9	17.5	26.3

Manual Integrations
APPROVED

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