

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104168.D
 Acq On : 3 Apr 2018 8:20
 Operator : JU/SJ
 Sample : J2176-06
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_W_8

Manual Integrations
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Sohil
 4/3/2018 2:28:35 PM

Quant Time: Apr 03 12:25:01 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	94464	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	344003	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	155369	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	221000	20.00	ng	0.00
75) Chrysene-d12	14.16	240	191945	20.00	ng	0.01
86) Perylene-d12	15.71	264	149725	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	532271	89.86	ng	0.00
7) Phenol-d6	6.60	99	688661	94.50	ng	0.00
23) Nitrobenzene-d5	7.53	82	389256	69.20	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	126290	73.00	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	752577	76.38	ng	0.00
78) Terphenyl-d14	13.09	244	599644	72.13	ng	0.00

Target Compounds				Qvalue		
13) 1,4-Dichlorobenzene	6.98	146	42258	5.400	ng	99
31) Naphthalene	8.28	128	4442266	264.330	ng	98
37) 2-Methylnaphthalene	8.96	142	1295515	117.029	ng	96
45) 1,1'-Biphenyl	9.42	154	356950	26.768	ng	99
48) Acenaphthylene	9.87	152	372744	23.391	ng	98
49) Dimethylphthalate	9.71	163	58437	4.764	ng	# 96
51) Acenaphthene	10.05	154	844913	91.653	ng	100
54) Dibenzofuran	10.21	168	152810	11.351	ng	# 94
57) Fluorene	10.56	166	642759	57.883	ng	99
70) Phenanthrene	11.54	178	1899319	158.737	ng	100
71) Anthracene	11.59	178	913067	73.057	ng	99
72) Carbazole	11.74	167	53591	4.493	ng	# 84
74) Fluoranthene	12.73	202	968135	76.121	ng	98
77) Pyrene	12.96	202	1411648	102.307	ng	99
80) Benzo(a)anthracene	14.15	228	522013	43.464	ng	# 78
82) Chrysene	14.19	228	490488	41.696	ng	95
85) Indeno(1,2,3-cd)pyrene	17.31	276	220855	18.118	ng	# 87
87) Benzo(b)fluoranthene	15.26	252	444459m	48.777	ng	
88) Benzo(k)fluoranthene	15.27	252	182385m	21.248	ng	
89) Benzo(a)pyrene	15.65	252	549716	65.100	ng	98
90) Dibenzo(a,h)anthracene	17.31	278	49935m	6.396	ng	
91) Benzo(g,h,i)perylene	17.80	276	233143	29.814	ng	94

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

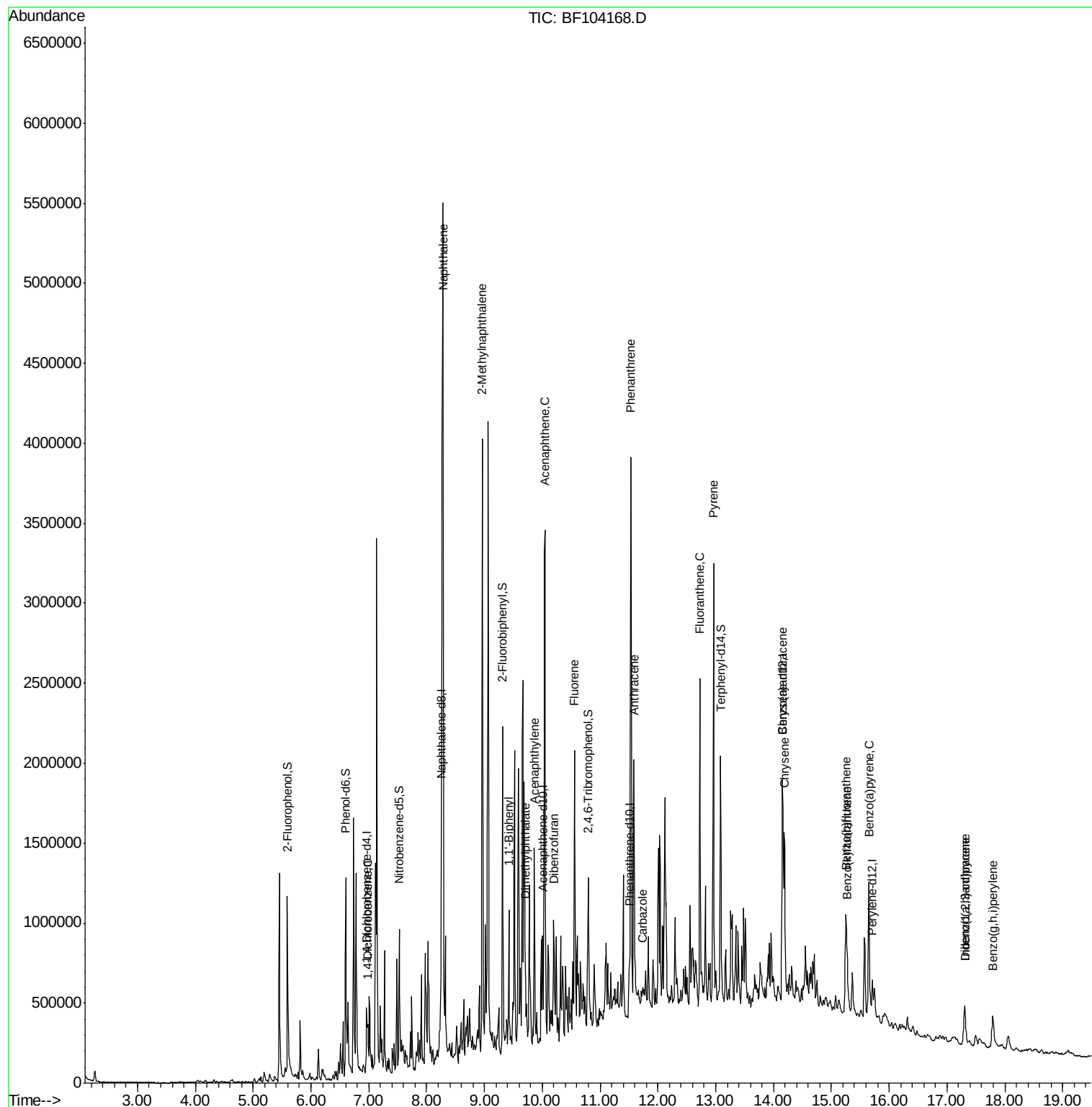
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104168.D
Acq On : 3 Apr 2018 8:20
Operator : JU/SJ
Sample : J2176-06
Misc :
ALS Vial : 43 Sample Multiplier: 1

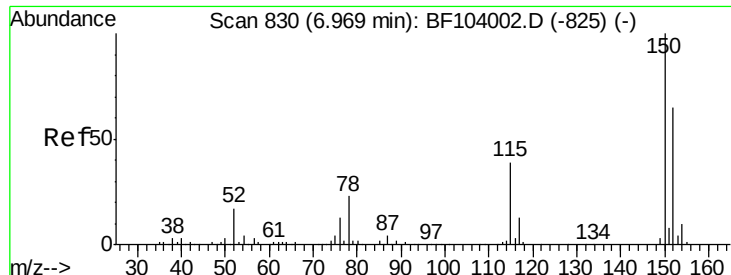
Instrument :
BNA_F
ClientSampled :
A2 SB30 W 8

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Quant Time: Apr 03 12:25:01 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

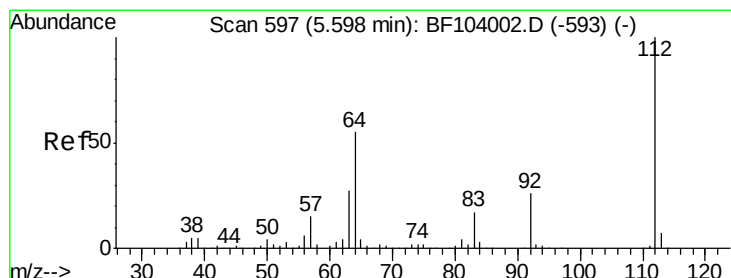
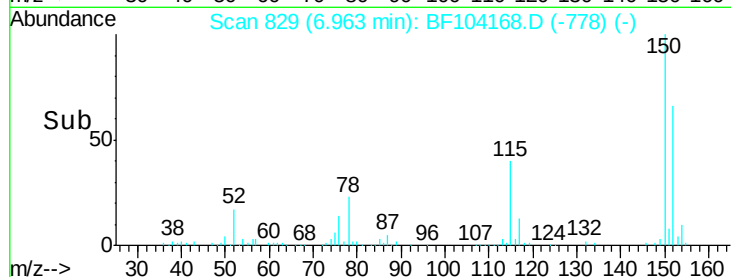
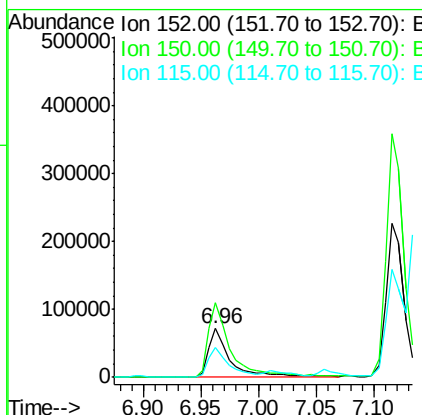
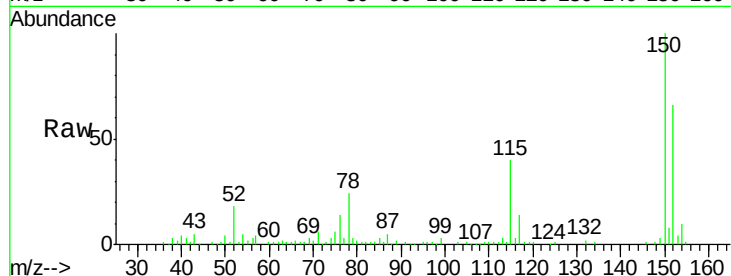
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF104168.D
 Acq: 3 Apr 2018 8:20

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_W_8

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	61.4	50.1	75.1

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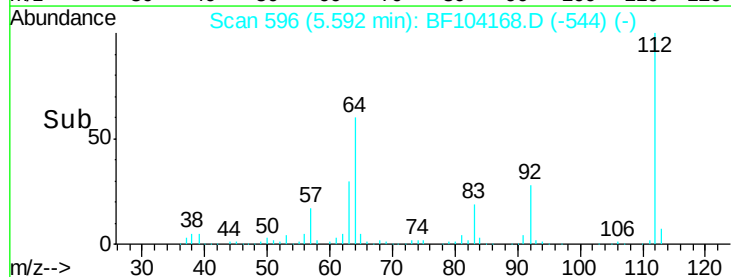
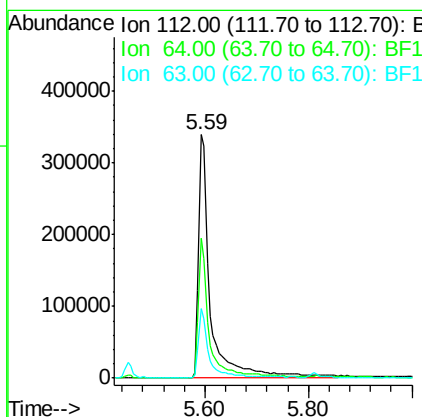
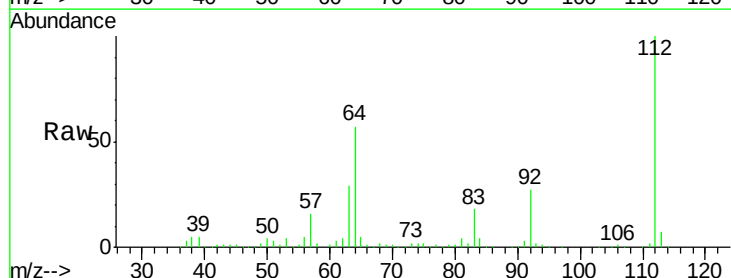
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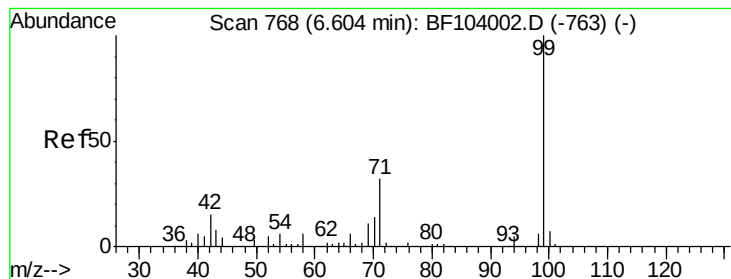


#5

2-Fluorophenol
 Concen: 89.858 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF104168.D
 Acq: 3 Apr 2018 8:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 94.497 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Instrument :

BNA_F

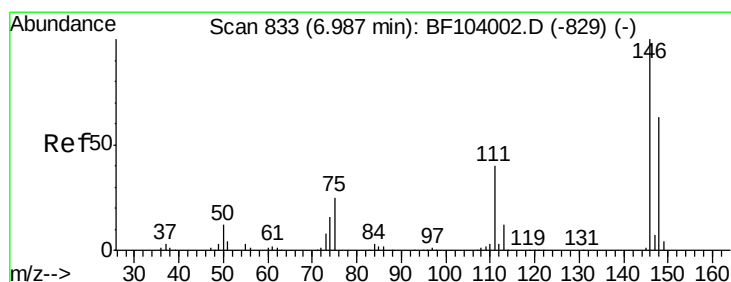
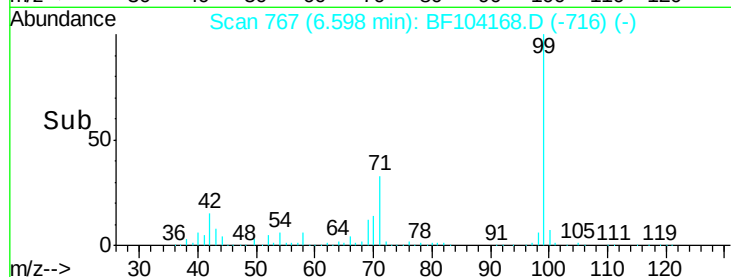
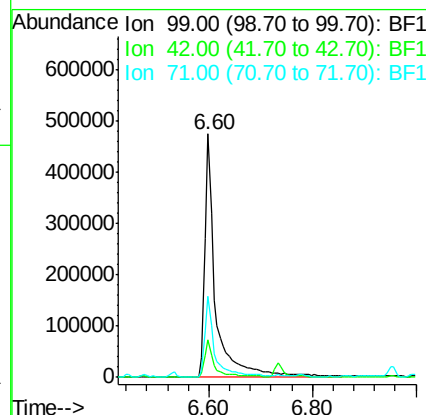
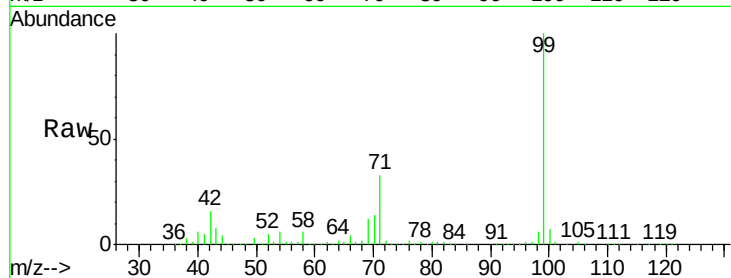
ClientSampleId :

A2_SB30_W_8

Tot Ion:	99	Resp:	688661
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	33.4	25.4	38.0

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#13

1,4-Dichlorobenzene

Concen: 5.400 ng

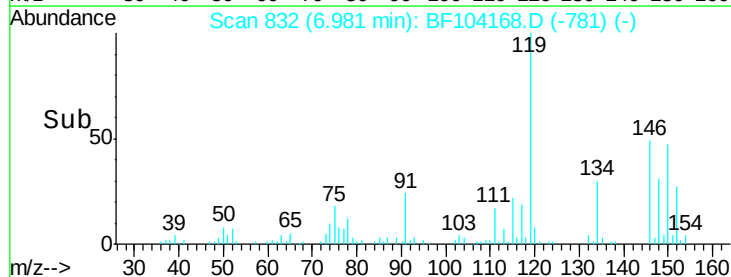
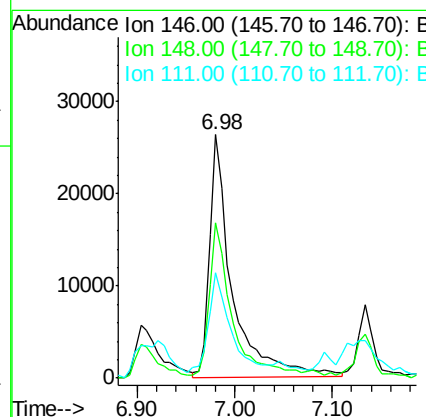
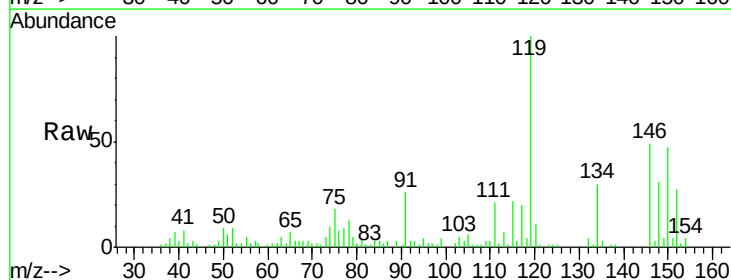
RT: 6.98 min Scan# 832

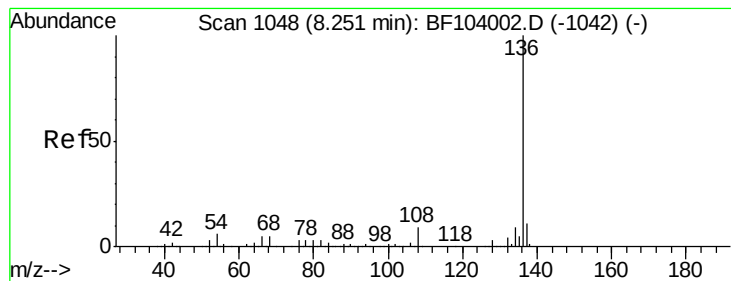
Delta R.T. -0.00 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Tgt Ion:	146	Resp:	42258
Ion Ratio	Lower	Upper	
146	100		
148	64.0	50.8	76.2
111	43.3	34.2	51.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF104168.D

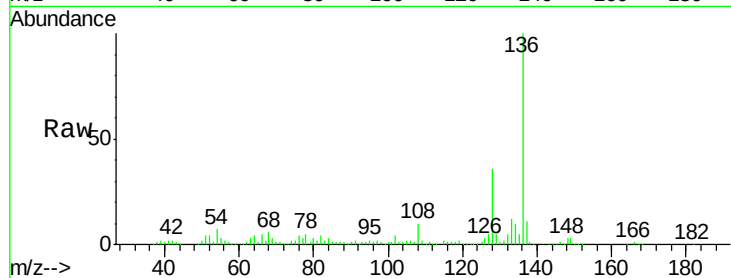
Acq: 3 Apr 2018 8:20

Instrument :

BNA_F

ClientSampleId :

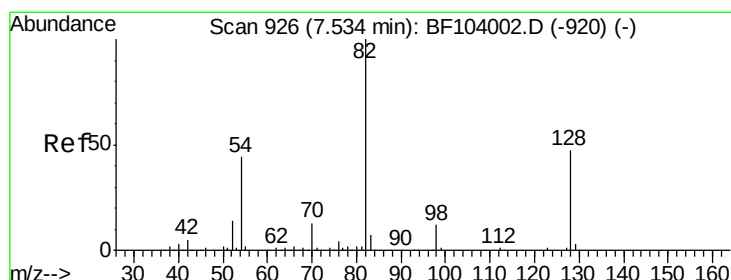
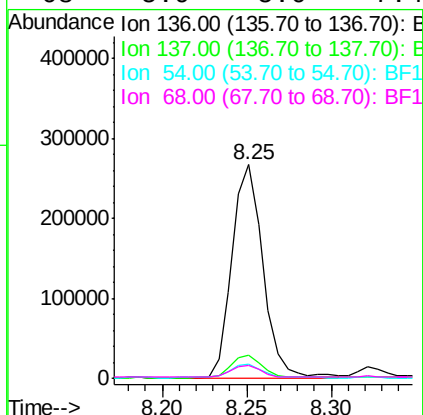
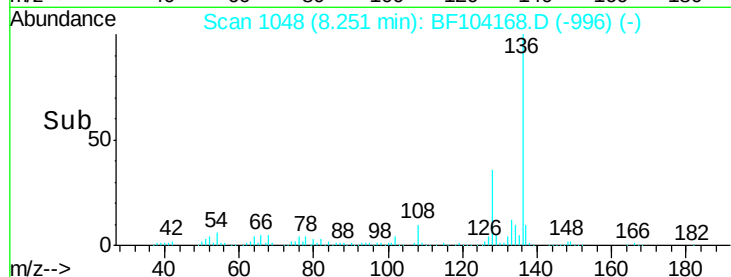
A2_SB30_W_8



Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.7		8.9	13.3	
54	6.7		6.6	9.8	
68	5.9		5.0	7.4	

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#23

Nitrobenzene-d5

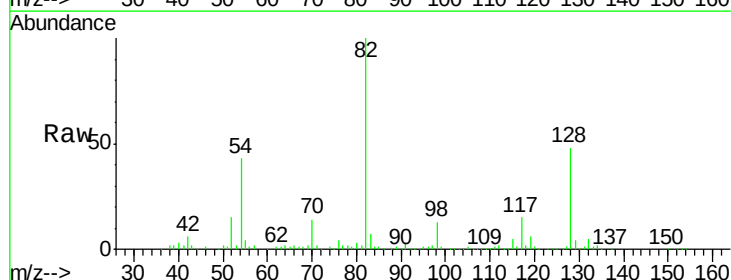
Concen: 69.200 ng

RT: 7.53 min Scan# 925

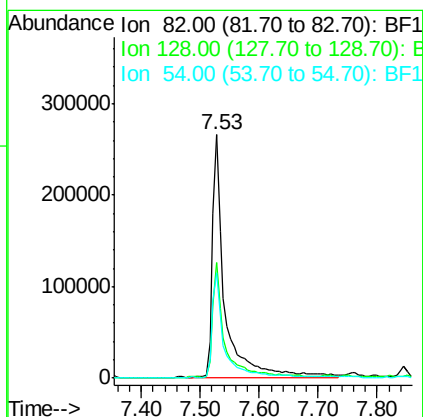
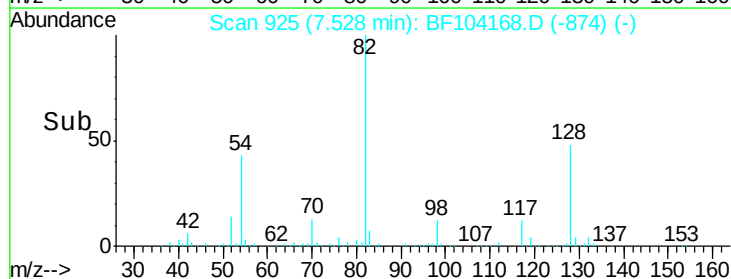
Delta R.T. -0.00 min

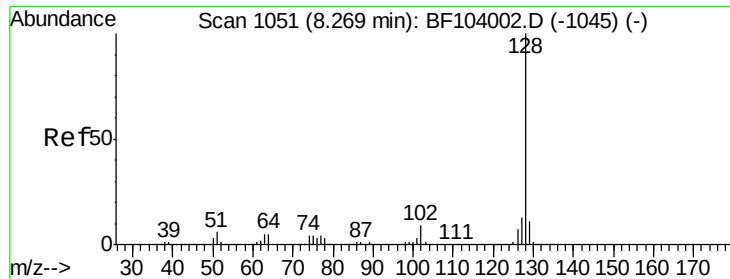
Lab File: BF104168.D

Acq: 3 Apr 2018 8:20



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	47.7		36.1	54.1	
54	43.3		41.4	62.2	





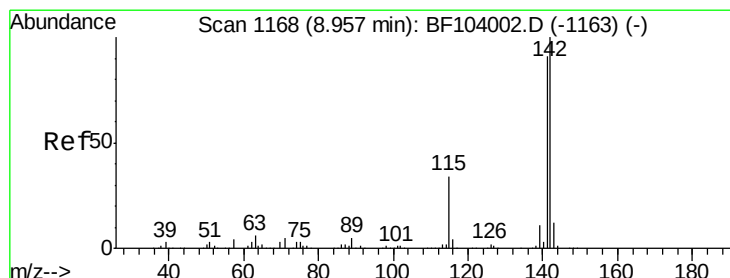
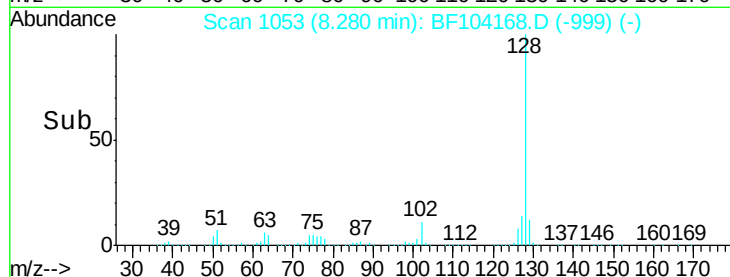
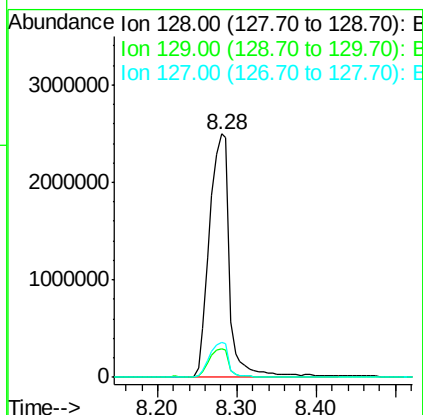
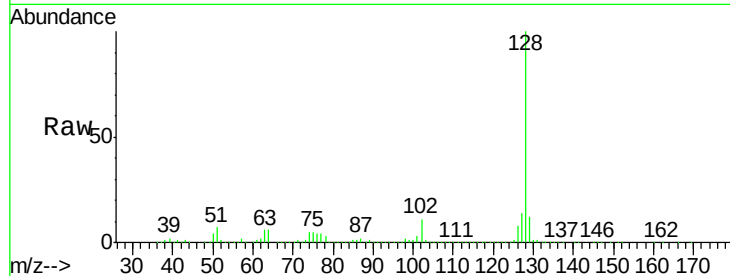
#31
Naphthalene
Concen: 264.330 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.02 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Instrument :
BNA_F
ClientSampleId :
A2_SB30_W_8

Tot Ion:128 Resp: 4442266
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 14.4 10.9 16.3

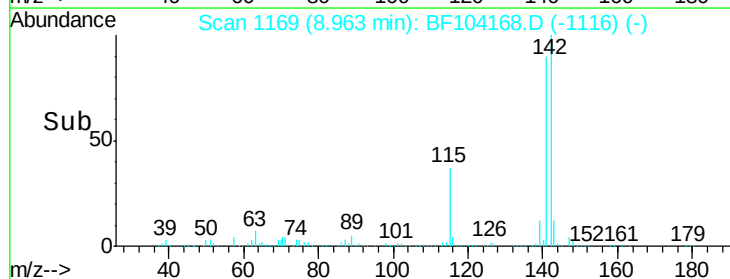
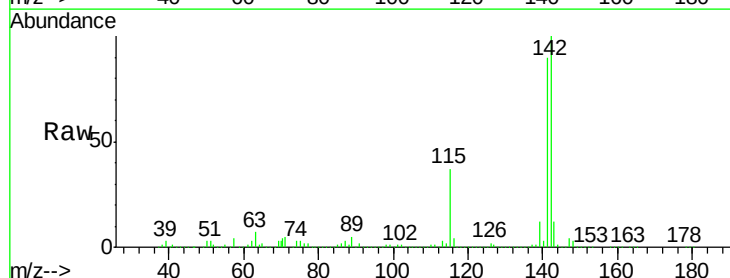
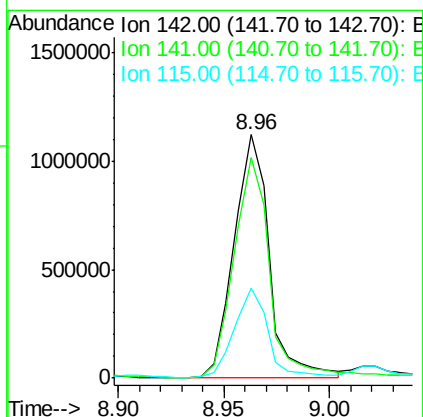
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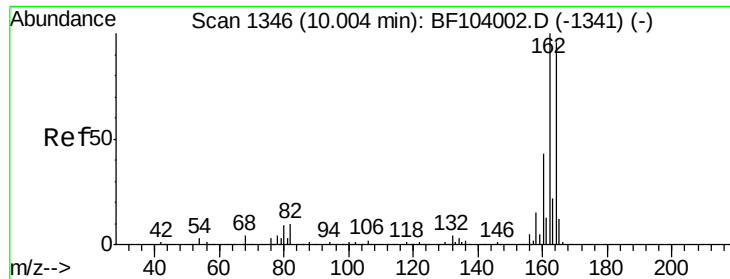
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#37
2-Methylnaphthalene
Concen: 117.029 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.01 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Tgt Ion:142 Resp: 1295515
Ion Ratio Lower Upper
142 100
141 90.5 70.8 106.2
115 37.2 26.1 39.1





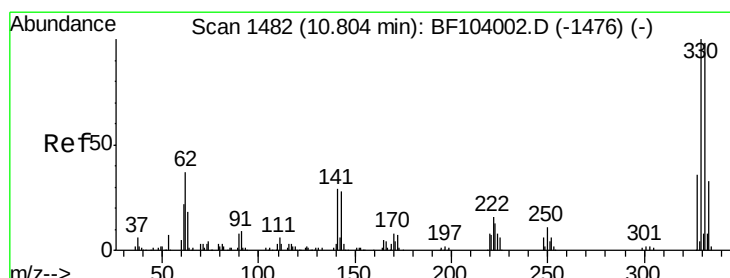
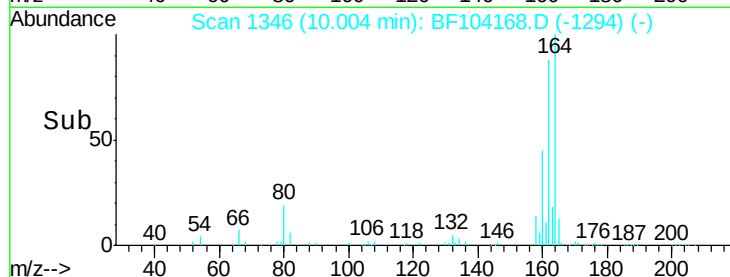
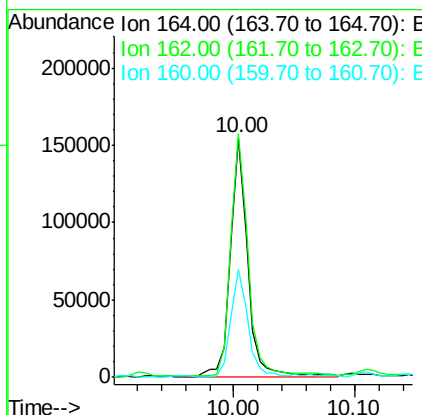
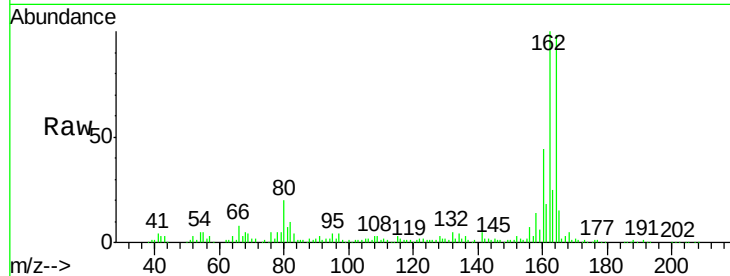
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: BF104168.D
 Acq: 3 Apr 2018 8:20

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_W_8

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	86.1	129.1	
160	45.2	38.3	57.5	

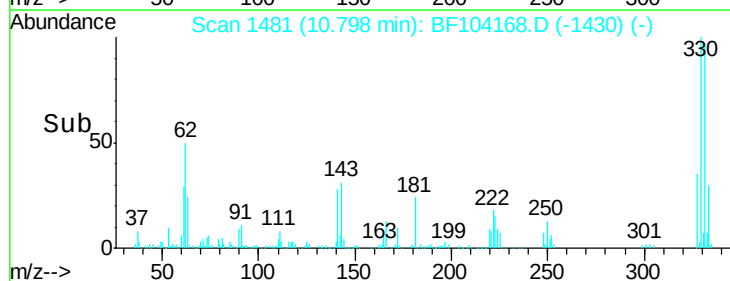
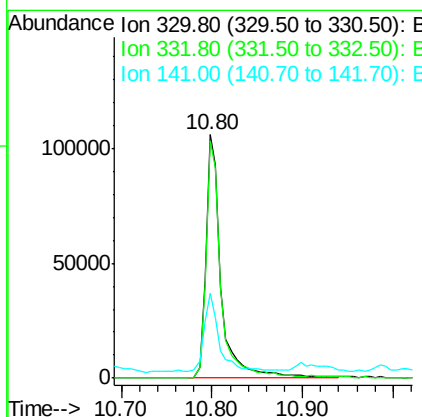
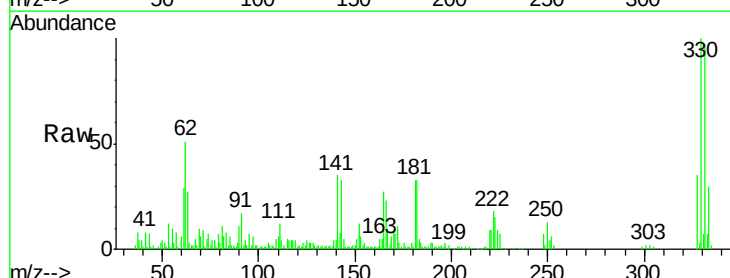
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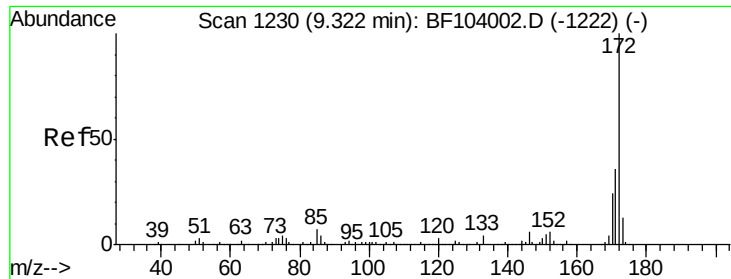
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#41
 2,4,6-Tribromophenol
 Concen: 72.998 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF104168.D
 Acq: 3 Apr 2018 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.0	115.6	
141	32.0	29.9	44.9	





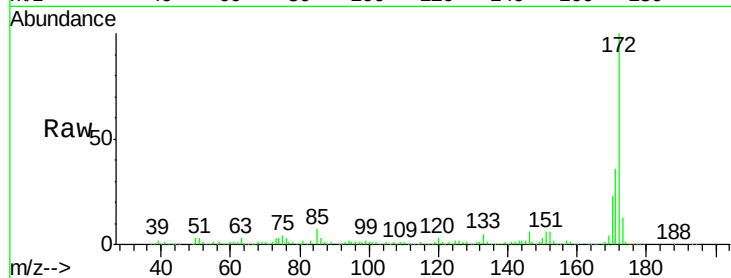
#44
2-Fluorobiphenyl
Concen: 76.383 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Instrument :
BNA_F
ClientSampleId :
A2_SB30_W_8

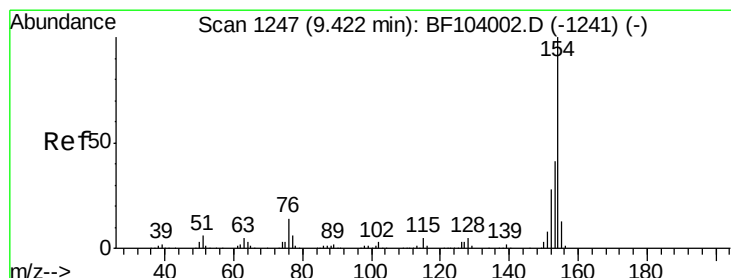
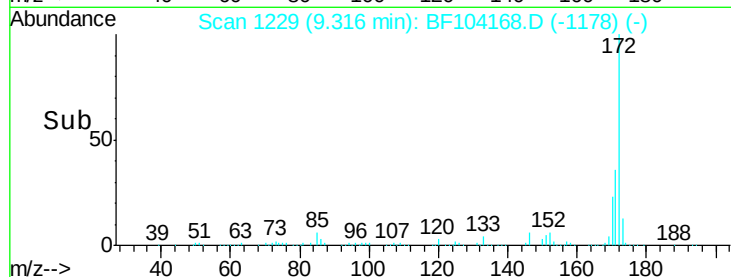
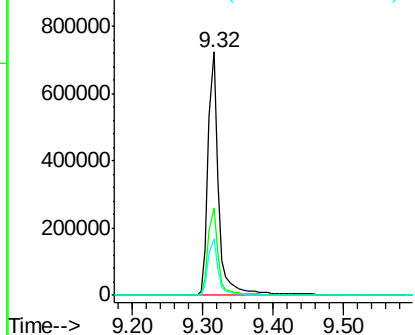
Tot Ion:172	Resp:	752577
Ion Ratio	Lower	Upper
172 100		
171 36.1	29.7	44.5
170 23.4	19.6	29.4

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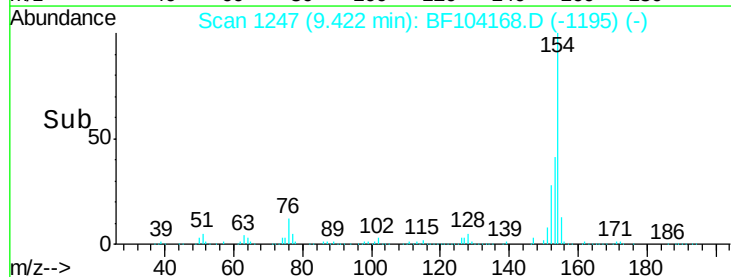
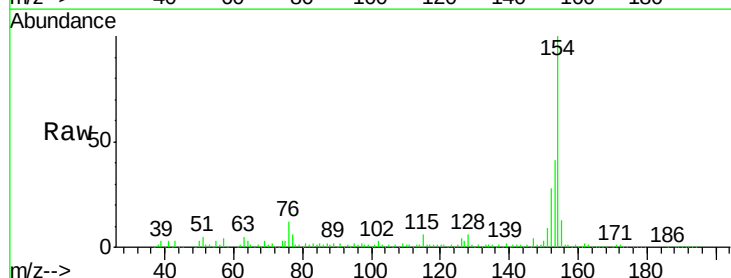
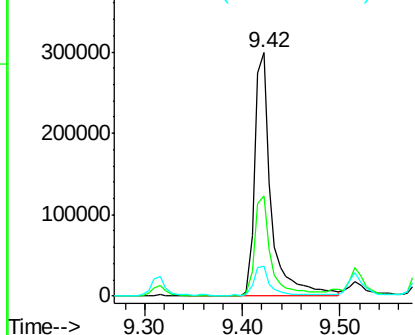
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

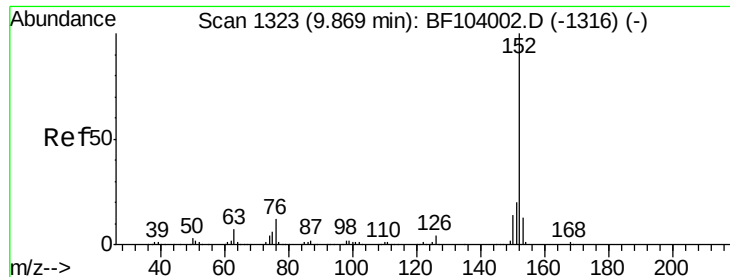


#45
1,1'-Biphenyl
Concen: 26.768 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.01 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Tgt Ion:154	Resp:	356950
Ion Ratio	Lower	Upper
154 100		
153 41.4	21.3	61.3
76 12.1	0.0	34.0

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





#48

Acenaphthylene

Concen: 23.391 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Instrument :

BNA_F

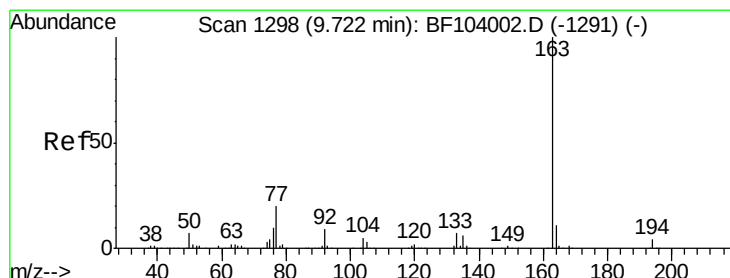
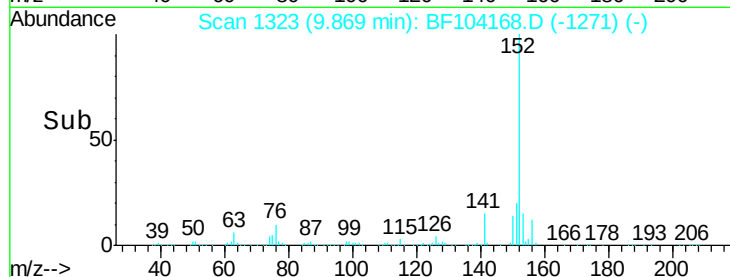
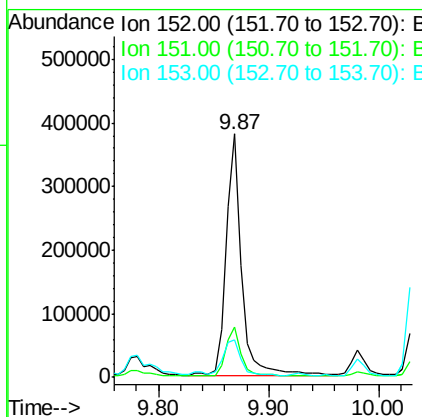
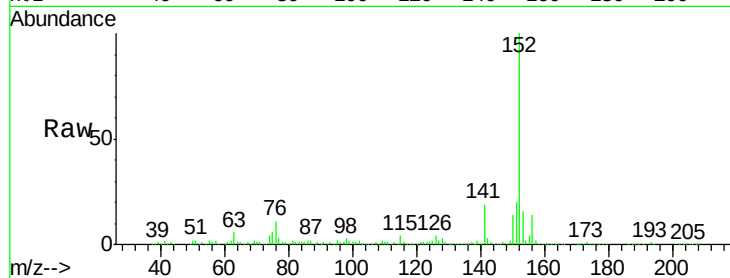
ClientSampleId :

A2_SB30_W_8

Tot Ion:	152	Resp:	372744
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	15.5	10.7	16.1

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#49

Dimethylphthalate

Concen: 4.764 ng

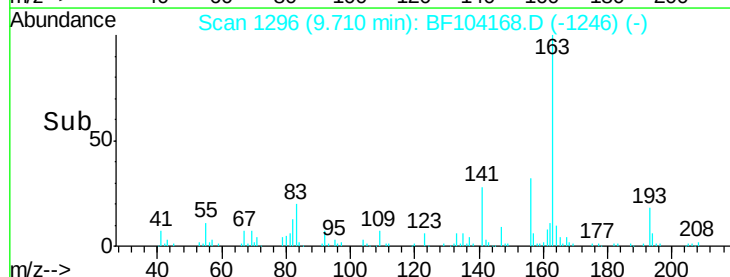
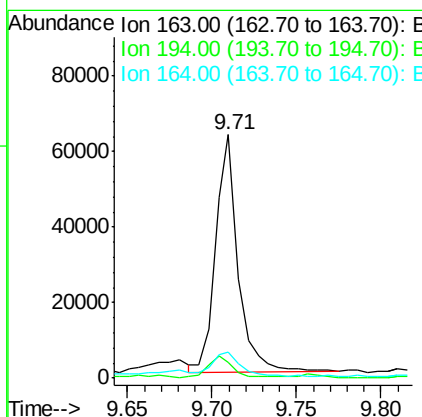
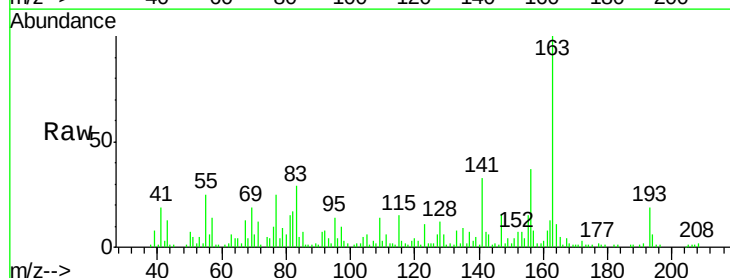
RT: 9.71 min Scan# 1296

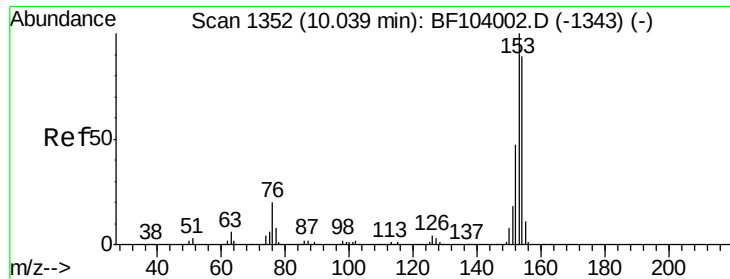
Delta R.T. -0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Tgt Ion:	163	Resp:	58437
Ion Ratio	Lower	Upper	
163	100		
194	6.4	2.7	4.1#
164	10.9	8.2	12.2





#51

Acenaphthene

Concen: 91.653 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Instrument :

BNA_F

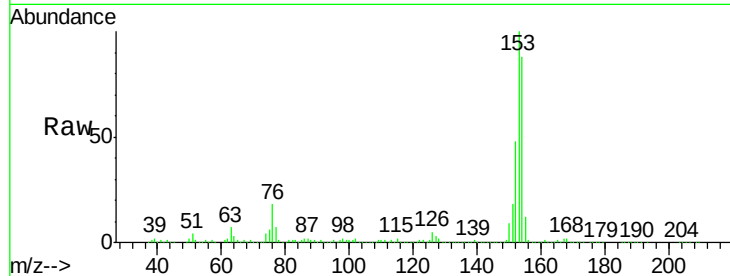
ClientSampleId :

A2_SB30_W_8

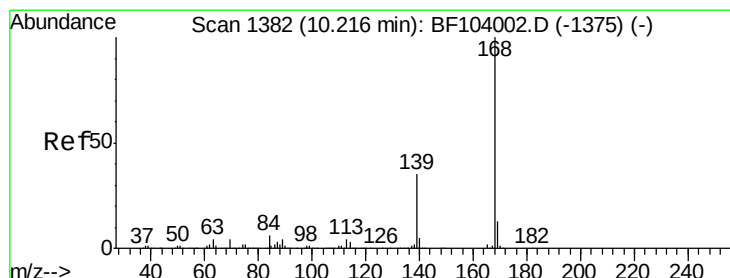
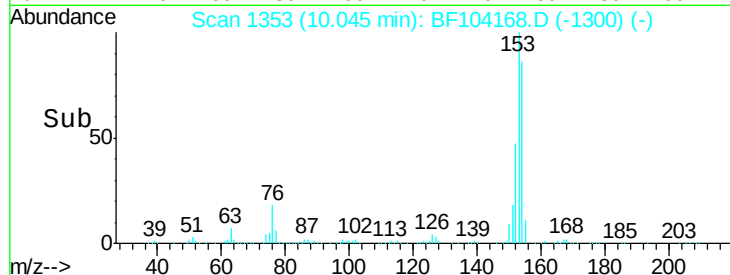
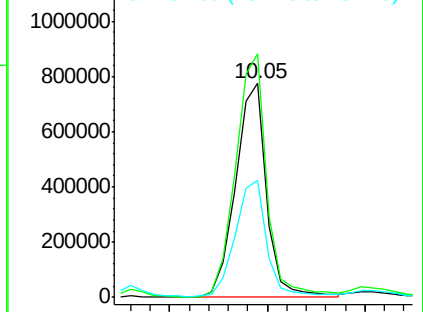
Tot Ion:	154	Resp:	844913
Ion Ratio	Lower	Upper	
154	100		
153	113.7	91.2	136.8
152	54.5	43.8	65.8

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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

Dibenzofuran

Concen: 11.351 ng

RT: 10.21 min Scan# 1381

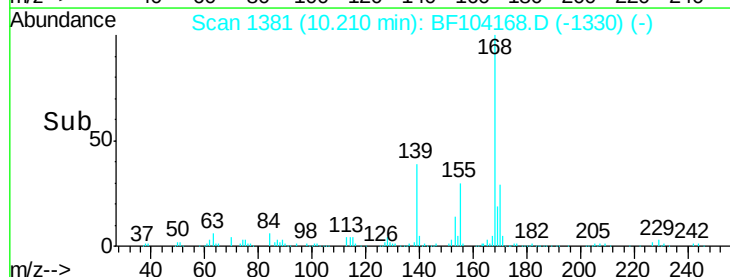
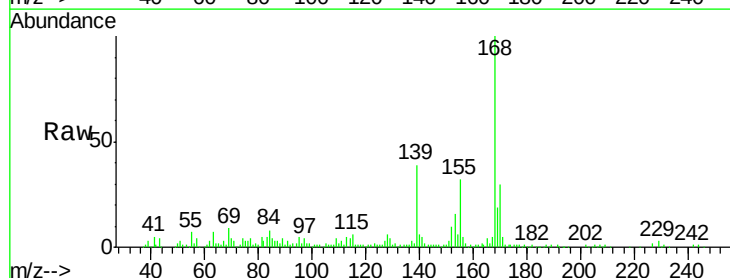
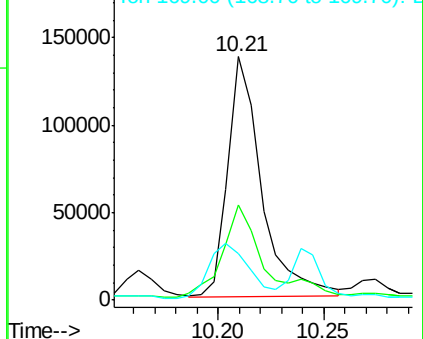
Delta R.T. -0.00 min

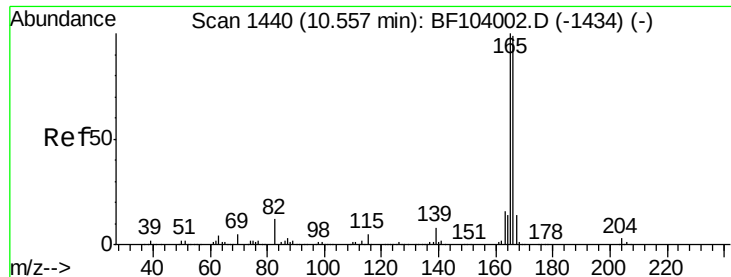
Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Tgt Ion:	168	Resp:	152810
Ion Ratio	Lower	Upper	
168	100		
139	39.2	30.1	45.1
169	19.2	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





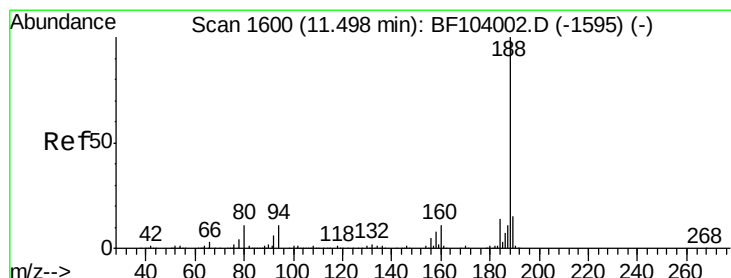
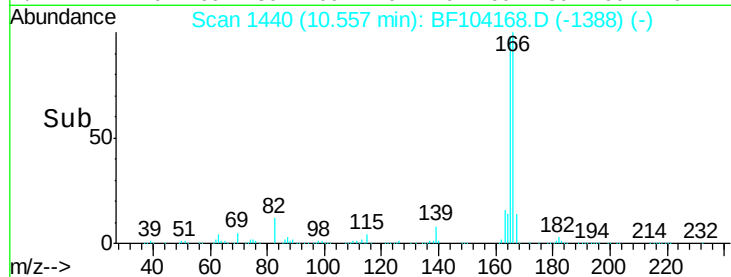
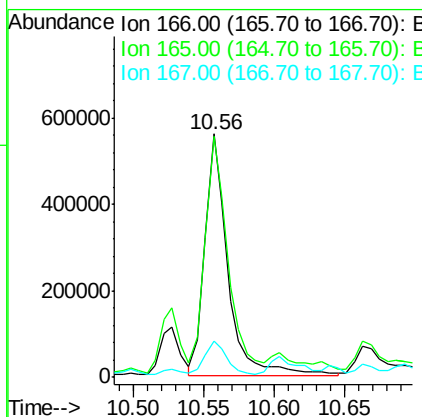
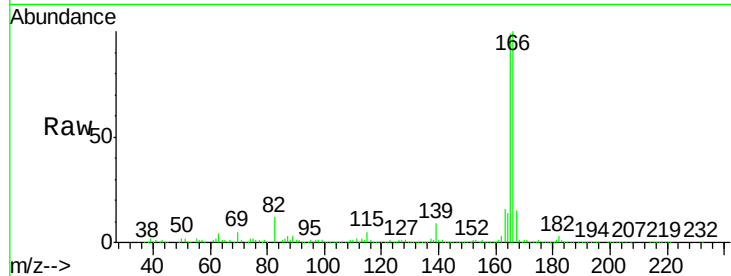
#57
Fluorene
 Concen: 57.883 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF104168.D
 Acq: 3 Apr 2018 8:20

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB30_W_8

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.8	119.8
167	15.1	10.6	16.0

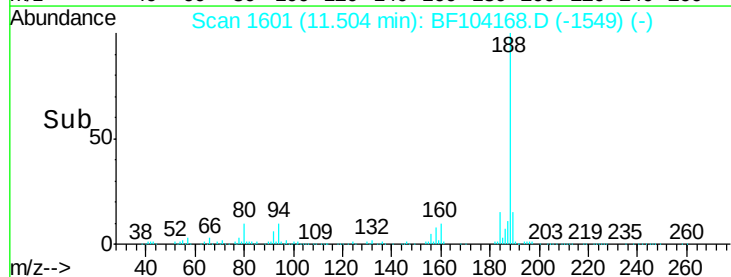
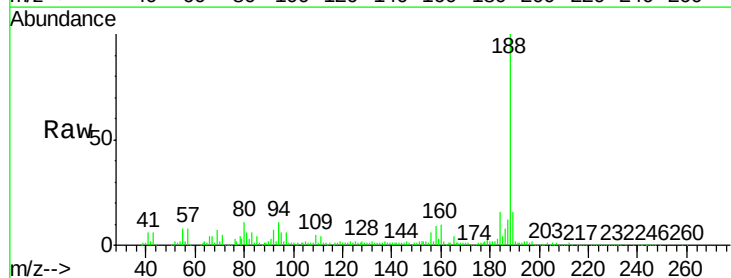
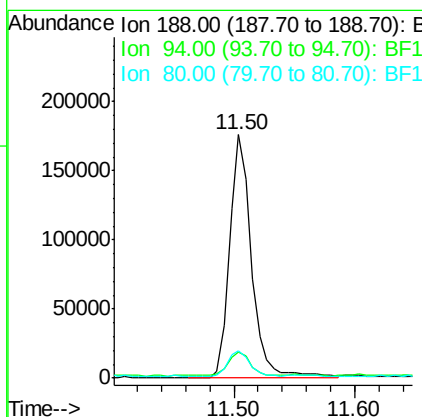
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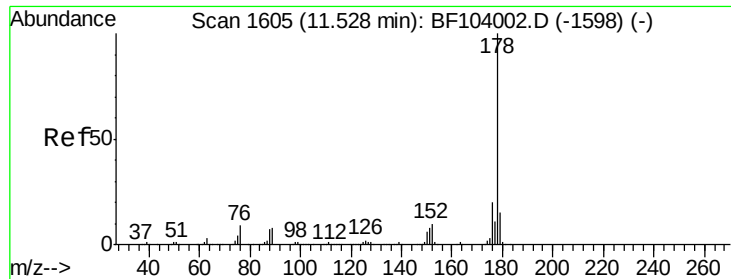
Sohil
 4/3/2018 2:28:35 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF104168.D
 Acq: 3 Apr 2018 8:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.0	9.2	13.8





#70

Phenanthrene

Concen: 158.737 ng

RT: 11.54 min Scan# 1607

Delta R.T. 0.02 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Instrument :

BNA_F

ClientSampleId :

A2_SB30_W_8

Tot Ion:178 Resp: 1899319

Ion Ratio Lower Upper

178 100

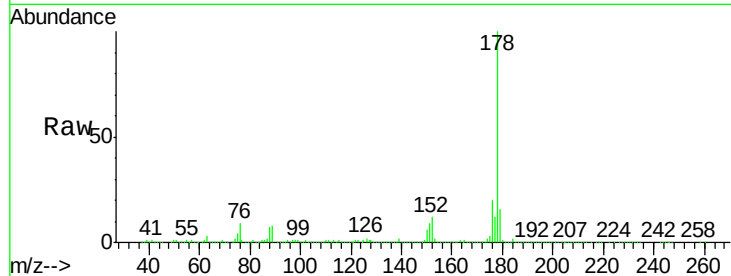
176 19.7 15.8 23.8

179 16.1 13.0 19.6

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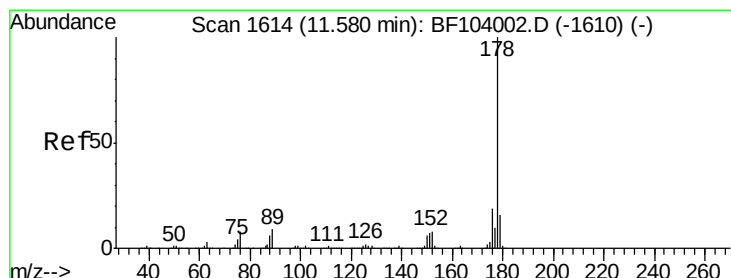
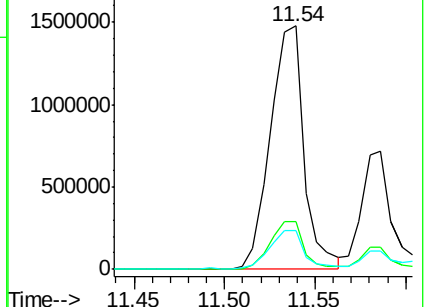
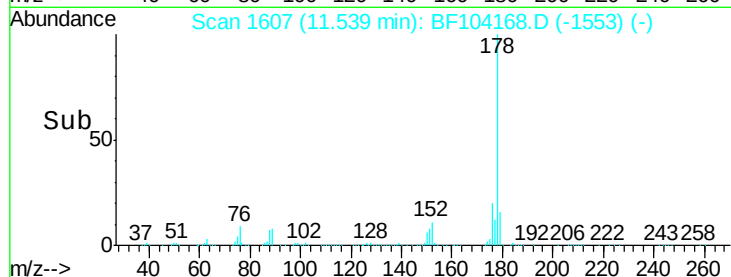
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 73.057 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

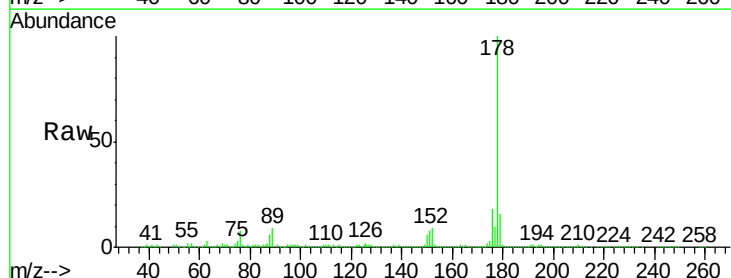
Tgt Ion:178 Resp: 913067

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

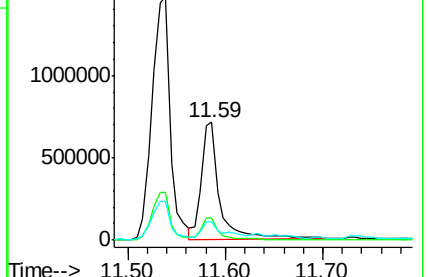
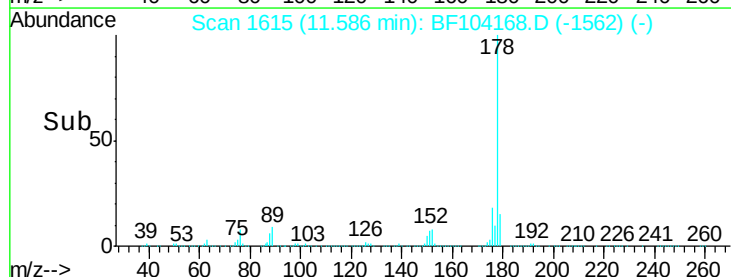
179 16.0 12.6 19.0

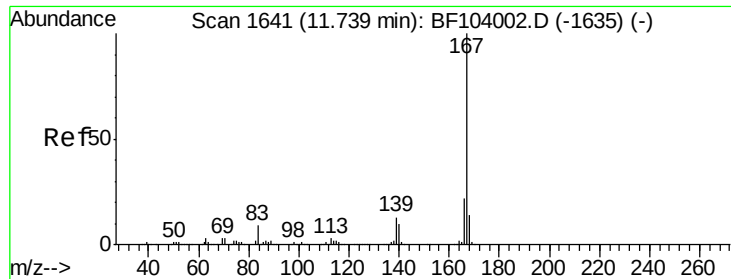


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.493 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Instrument :

BNA_F

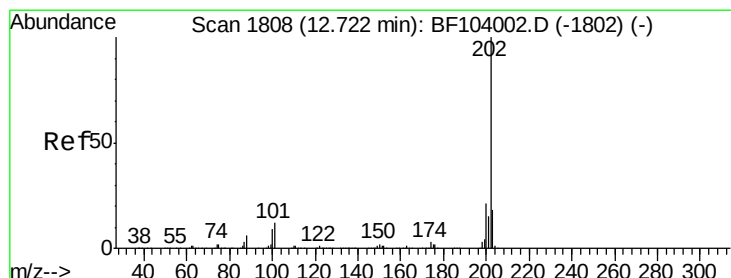
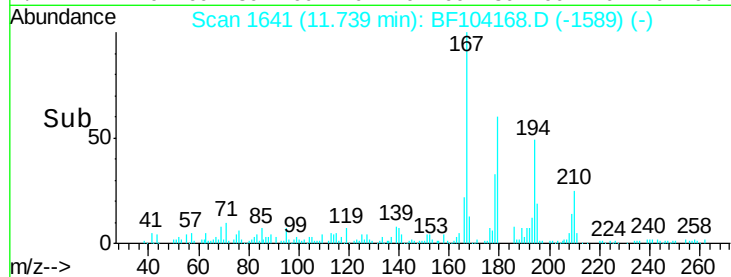
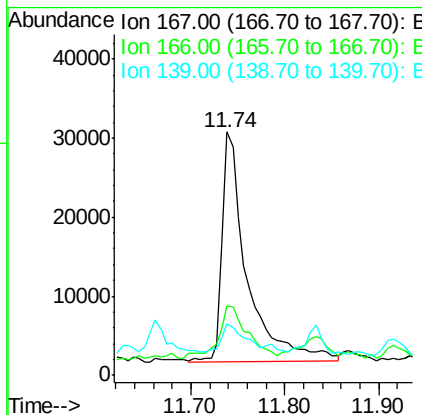
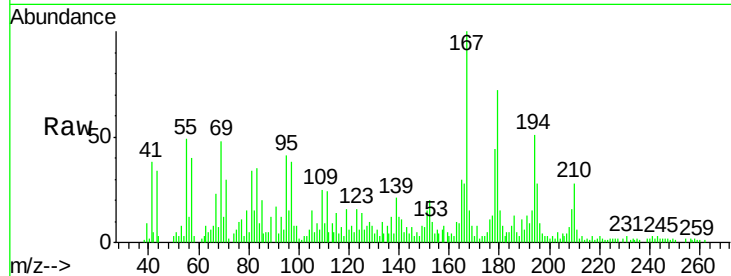
ClientSampleId :

A2_SB30_W_8

Tot Ion:	167	Resp:	53591
Ion Ratio	Lower	Upper	
167	100		
166	28.5	17.6	26.4#
139	21.2	10.9	16.3#

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#74

Fluoranthene

Concen: 76.121 ng

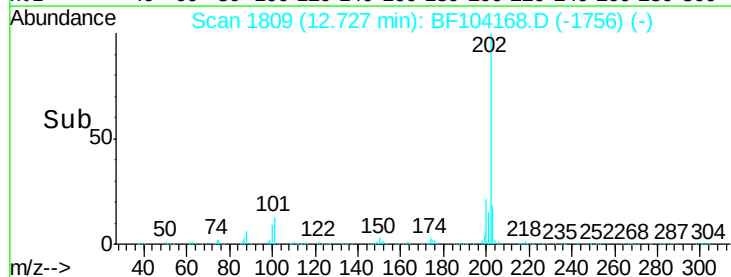
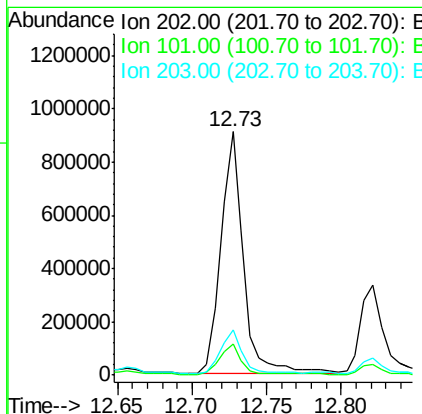
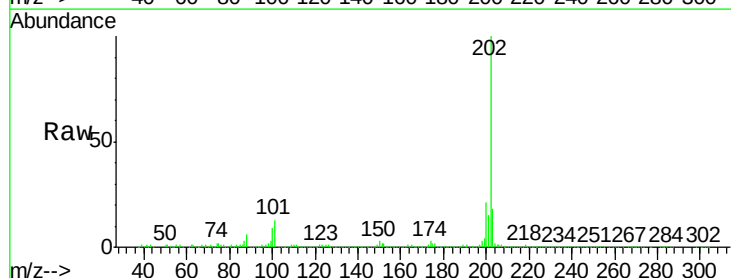
RT: 12.73 min Scan# 1809

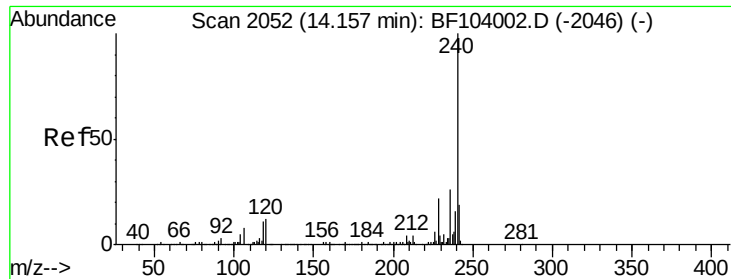
Delta R.T. 0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Tgt Ion:	202	Resp:	968135
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	18.4	0.0	38.1





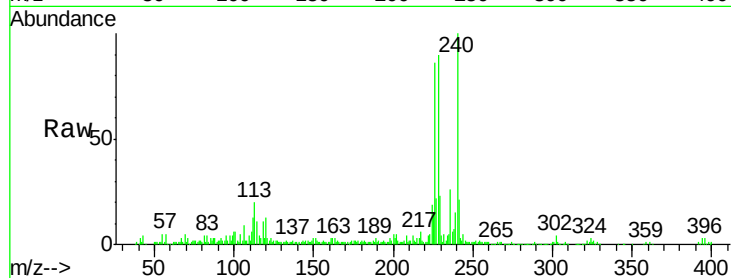
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Instrument :
BNA_F
ClientSampleId :
A2_SB30_W_8

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.5	9.5	14.3	
236	26.2	20.7	31.1	

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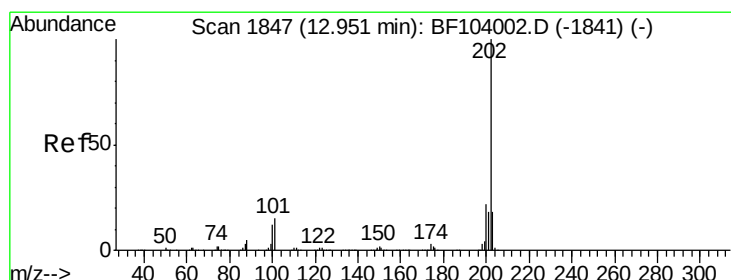
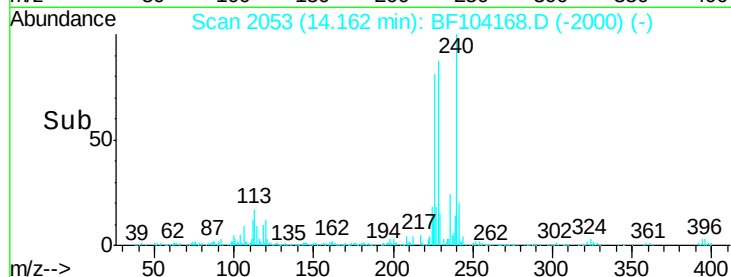
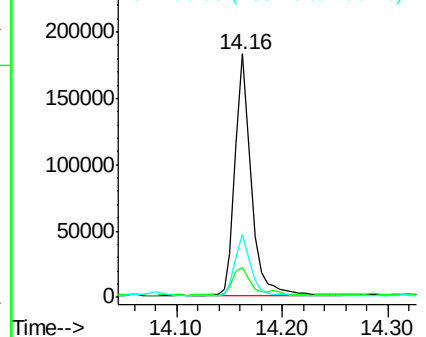


Abundance

Ion 240.00 (239.70 to 240.70): E

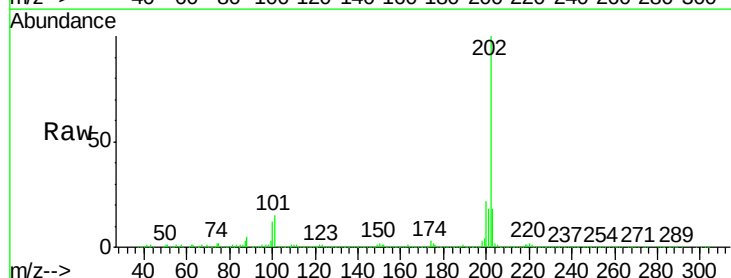
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Pyrene
Concen: 102.307 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.02 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.8	17.4	26.2	
203	18.5	14.3	21.5	

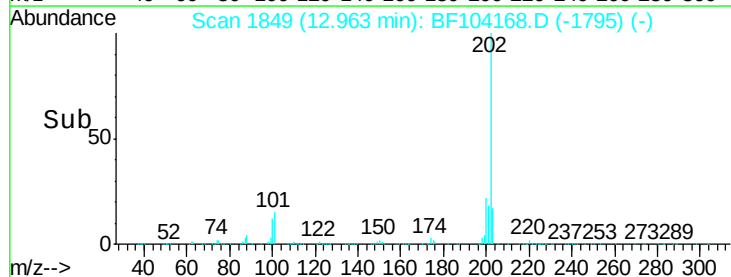
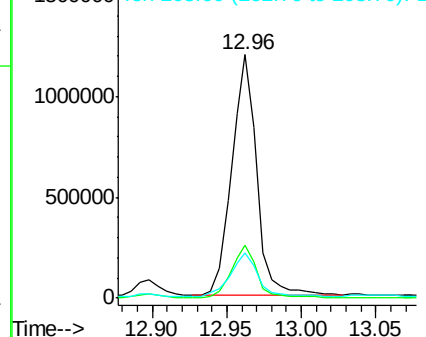


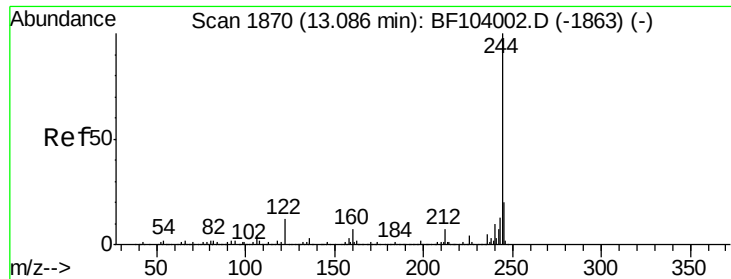
Abundance

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: 72.133 ng

RT: 13.09 min Scan# 1870

Delta R.T. 0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Instrument :

BNA_F

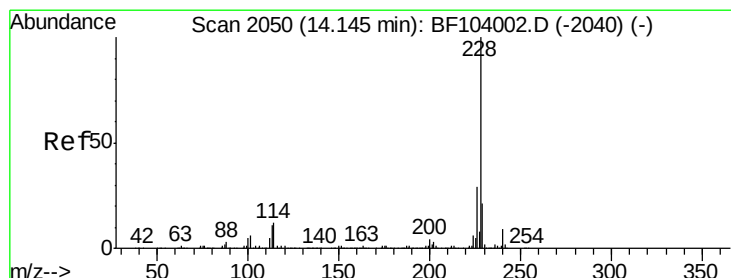
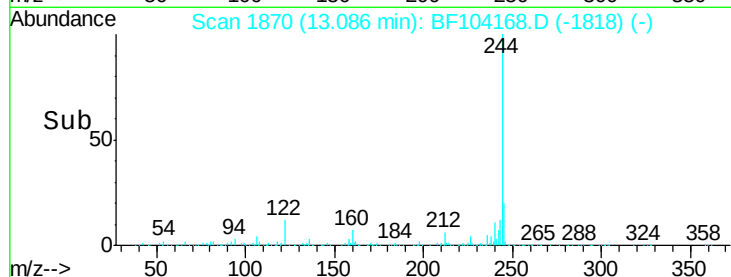
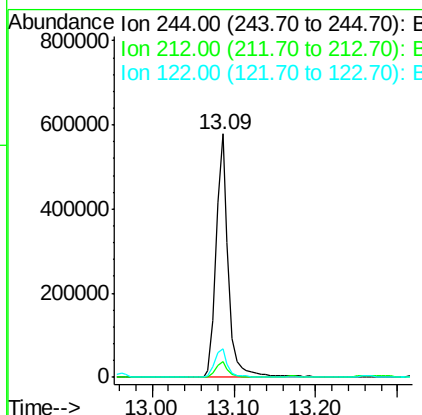
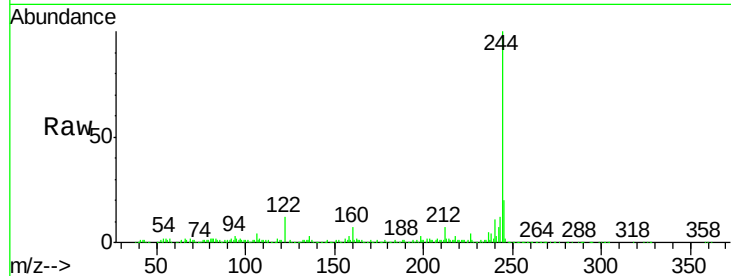
ClientSampleId :

A2_SB30_W_8

Tot Ion:	244	Resp:	599644
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	11.8	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 43.464 ng

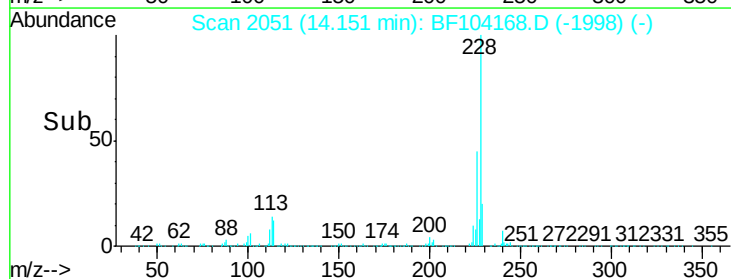
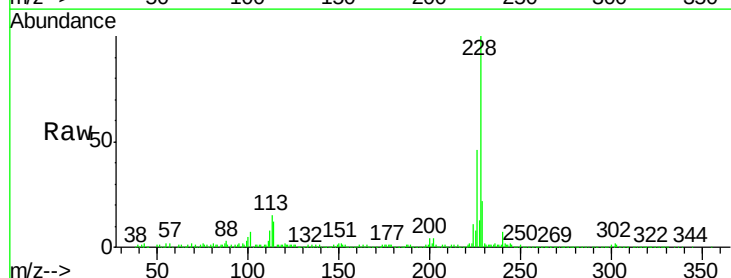
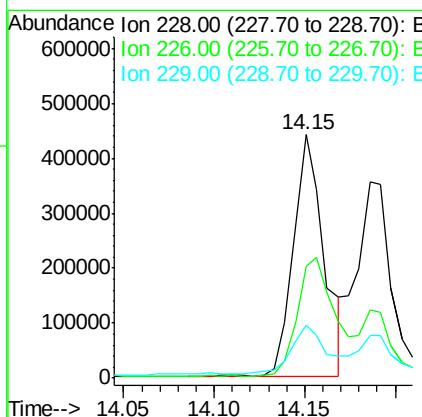
RT: 14.15 min Scan# 2051

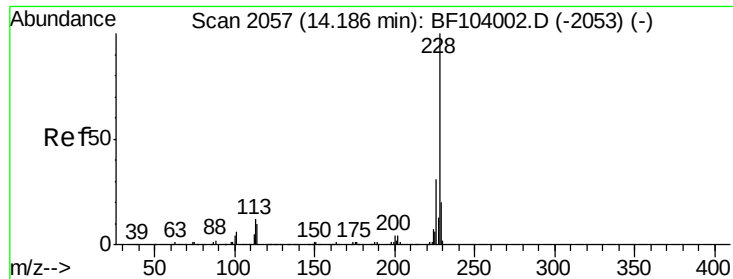
Delta R.T. 0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Tgt Ion:	228	Resp:	522013
Ion Ratio	Lower	Upper	
228	100		
226	46.0	22.6	33.8#
229	21.9	15.8	23.6





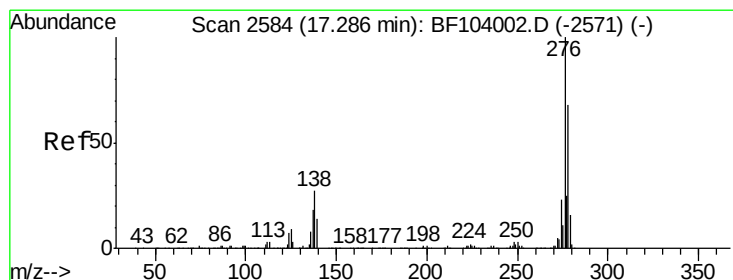
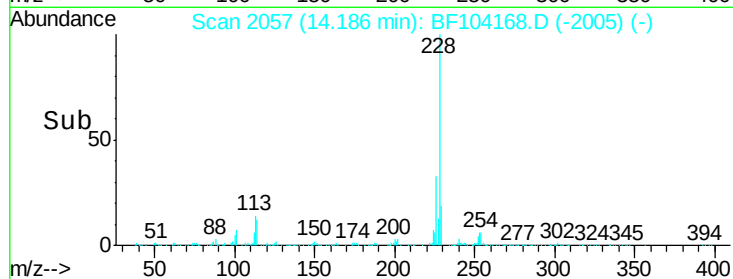
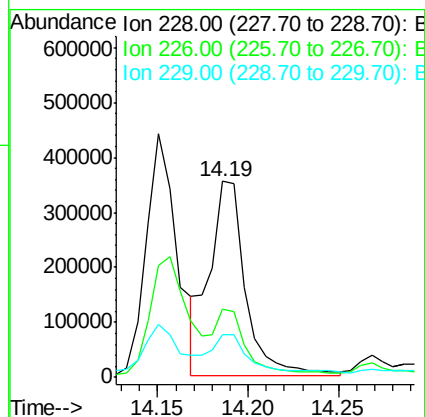
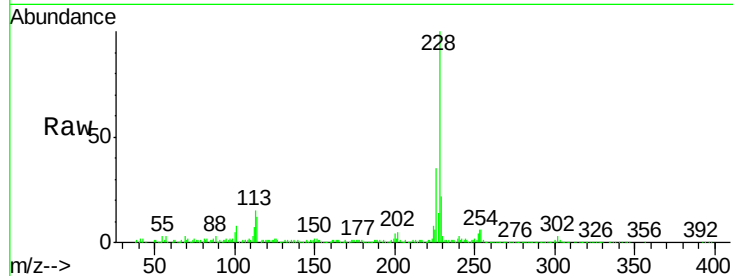
#82
Chrysene
Concen: 41.696 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Instrument :
BNA_F
ClientSampleId :
A2_SB30_W_8

Tot Ion:	228	Resp:	490488
Ion Ratio	Lower	Upper	
228	100		
226	34.6	25.0	37.6
229	22.0	16.2	24.4

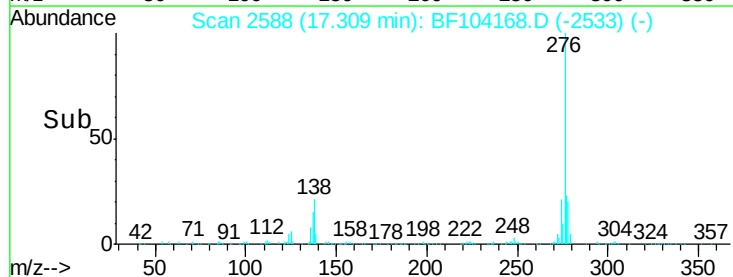
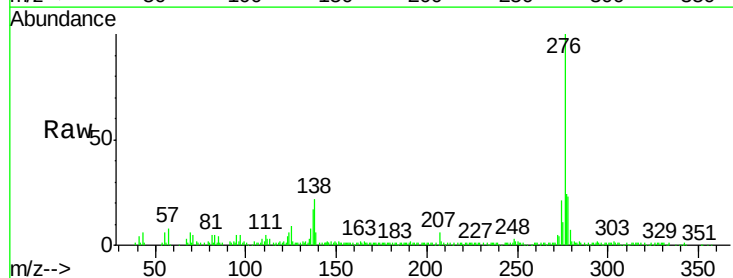
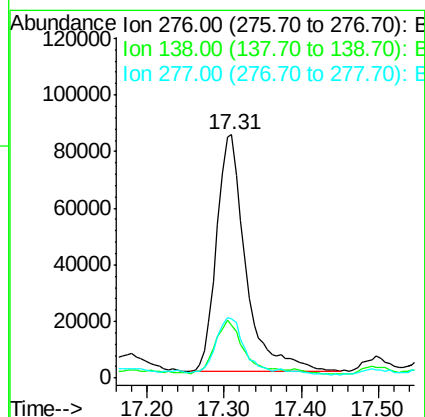
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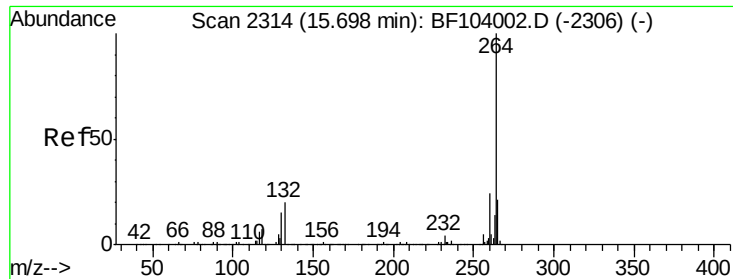
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 18.118 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.02 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Tgt Ion:	276	Resp:	220855
Ion Ratio	Lower	Upper	
276	100		
138	21.9	25.0	37.6#
277	21.2	20.1	30.1





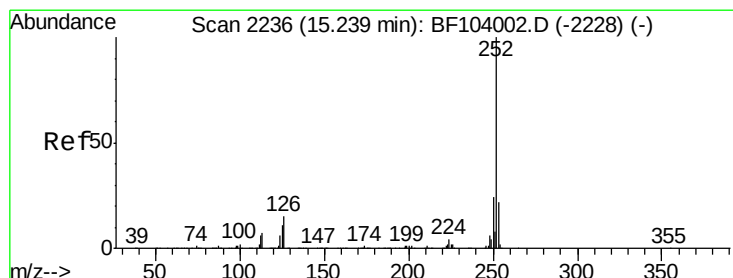
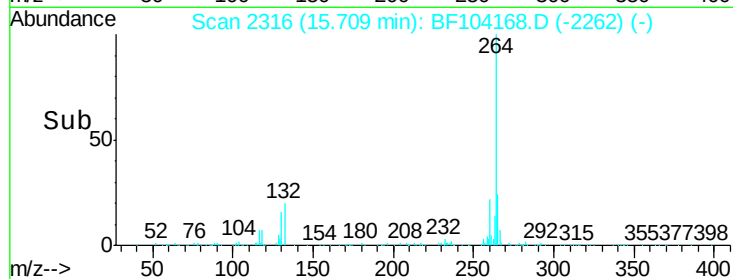
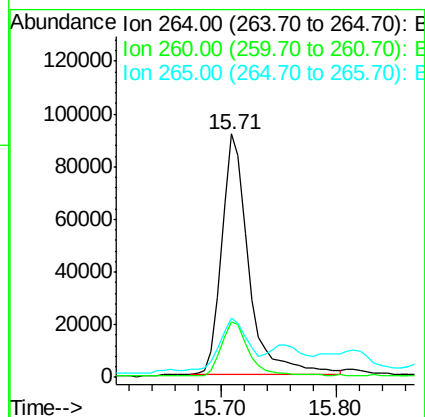
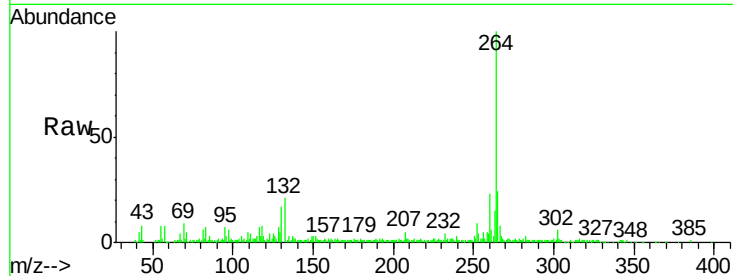
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.02 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Instrument :
BNA_F
ClientSampleId :
A2_SB30_W_8

Tot Ion:	264	Resp:	149725
Ion Ratio	Lower	Upper	
264	100		
260	22.6	19.2	28.8
265	24.4	17.5	26.3

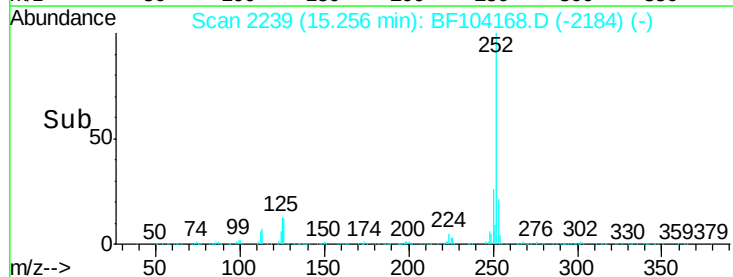
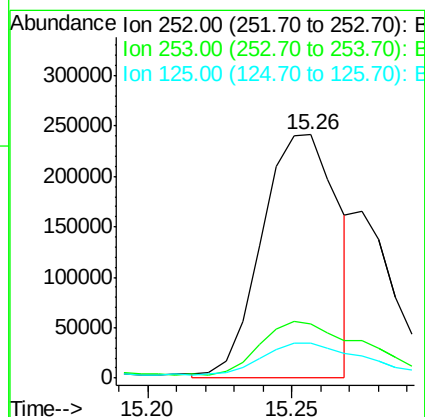
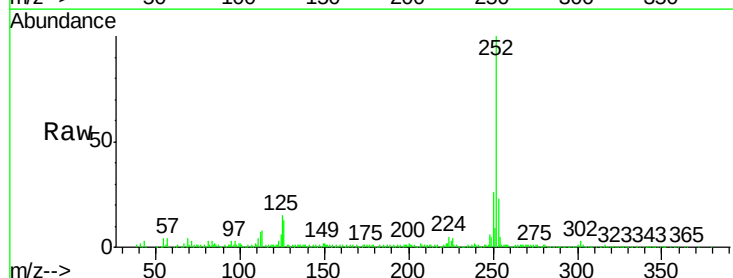
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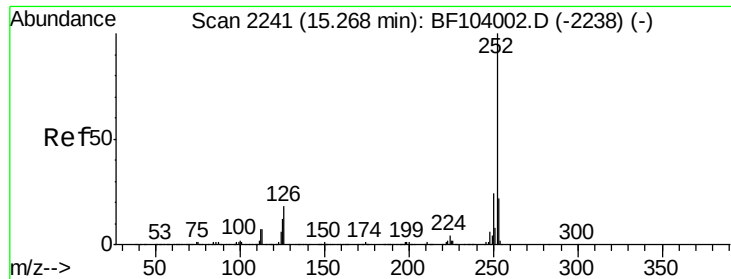
Sohil
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#87
Benzo(b)fluoranthene
Concen: 48.777 ng m
RT: 15.26 min Scan# 2239
Delta R.T. 0.02 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Tgt Ion:	252	Resp:	444459
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	14.6	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 21.248 ng/mL

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Instrument :

BNA_F

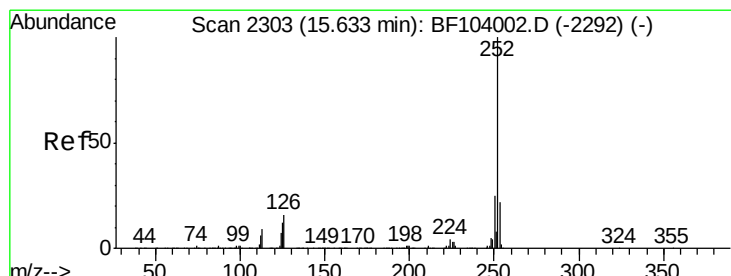
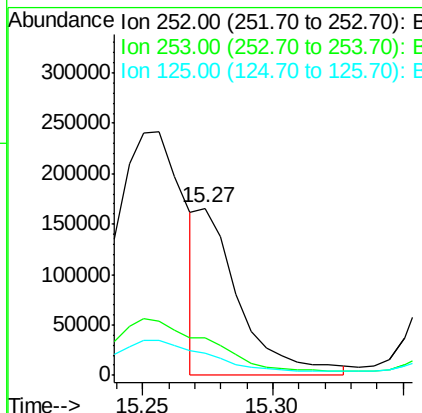
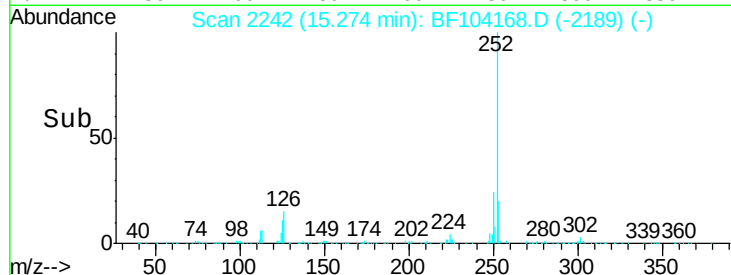
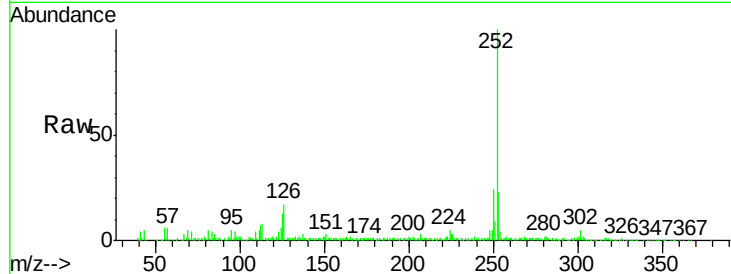
ClientSampleId :

A2_SB30_W_8

Tot Ion:	252	Resp:	182385
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.9	26.9
125	13.3	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 65.100 ng/mL

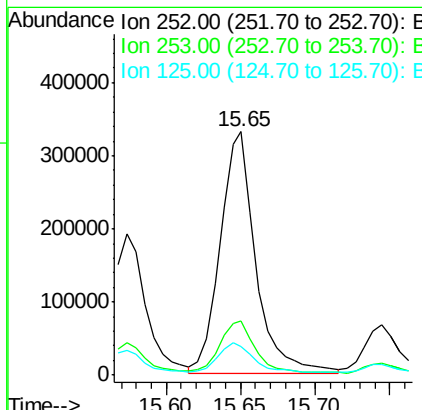
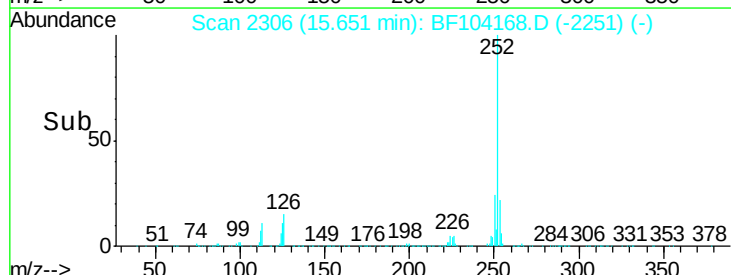
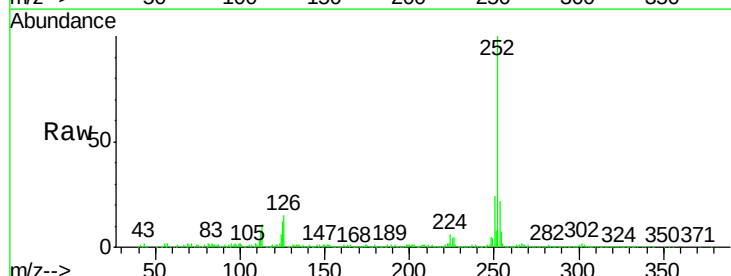
RT: 15.65 min Scan# 2306

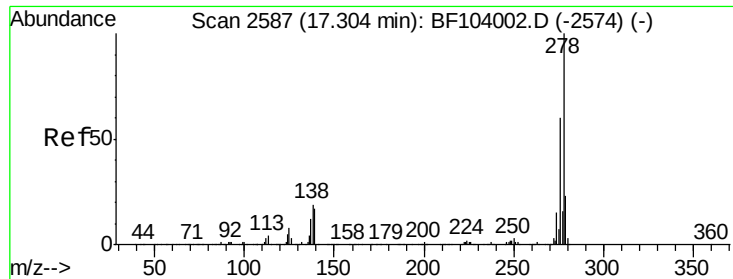
Delta R.T. 0.02 min

Lab File: BF104168.D

Acq: 3 Apr 2018 8:20

Tgt Ion:	252	Resp:	549716
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	11.9	9.8	14.6





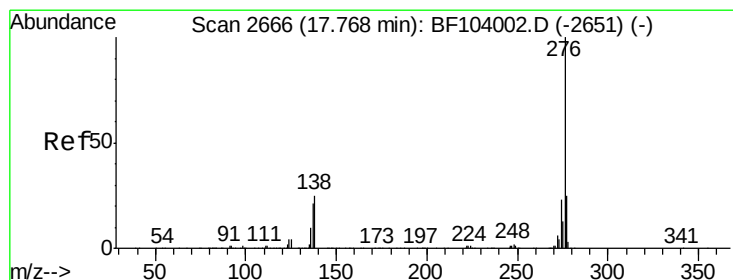
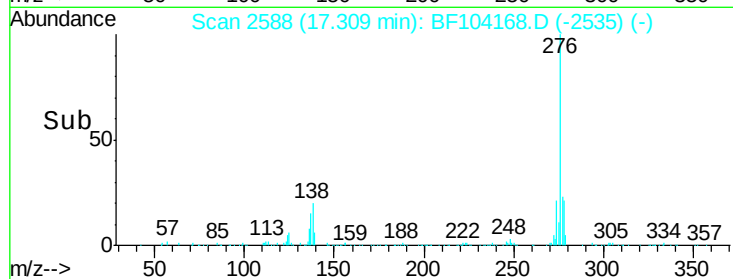
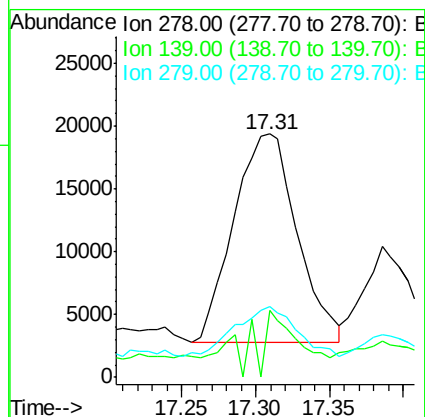
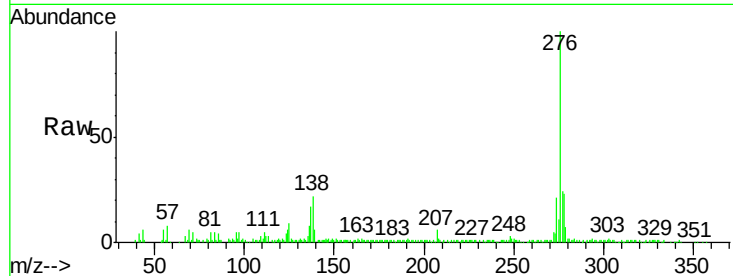
#90
Dibenzo(a,h)anthracene
Concen: 6.396 ng m
RT: 17.31 min Scan# 2588
Delta R.T. 0.01 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Instrument :
BNA_F
ClientSampleId :
A2_SB30_W_8

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.5	15.9	23.9#
279	28.9	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 29.814 ng
RT: 17.80 min Scan# 2671
Delta R.T. 0.03 min
Lab File: BF104168.D
Acq: 3 Apr 2018 8:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	22.9	21.8	32.8

