

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107013.D
 Acq On : 30 Jun 2018 14:35
 Operator : JU/SJ
 Sample : J3600-02 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-2

Manual Integrations
 APPROVED

Sohil
 7/2/2018 3:26:15 PM

Quant Time: Jul 02 08:58:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	64230	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	232686	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	101448	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	193149	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	213547	20.00	ng	-0.02
86) Perylene-d12	15.69	264	147363	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	78486	20.69	ng	-0.01
7) Phenol-d6	6.60	99	93628	19.77	ng	-0.02
23) Nitrobenzene-d5	7.51	82	52603	12.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	21782	18.53	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	107838	3.92	ng	-0.02
78) Terphenyl-d14	13.07	244	127440	14.46	ng	-0.02
Target Compounds						
70) Phenanthrene	11.51	178	49055	5.266	ng	Qvalue 98
71) Anthracene	11.57	178	21433	2.254	ng	98
74) Fluoranthene	12.71	202	122707	11.950	ng	93
77) Pyrene	12.94	202	117843	8.368	ng	99
80) Benzo(a)anthracene	14.13	228	77117	5.925	ng	98
82) Chrysene	14.17	228	64720	5.405	ng	97
83) Bis(2-ethylhexyl)phthalate	14.09	149	16085	2.173	ng	95
85) Indeno(1,2,3-cd)pyrene	17.26	276	25723	2.531	ng	# 91
87) Benzo(b)fluoranthene	15.22	252	75424m	8.239	ng	
88) Benzo(k)fluoranthene	15.25	252	20204m	2.318	ng	
89) Benzo(a)pyrene	15.62	252	47417	5.827	ng	96
91) Benzo(a,h,i)perylene	17.74	276	29781	4.418	ng	# 87

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

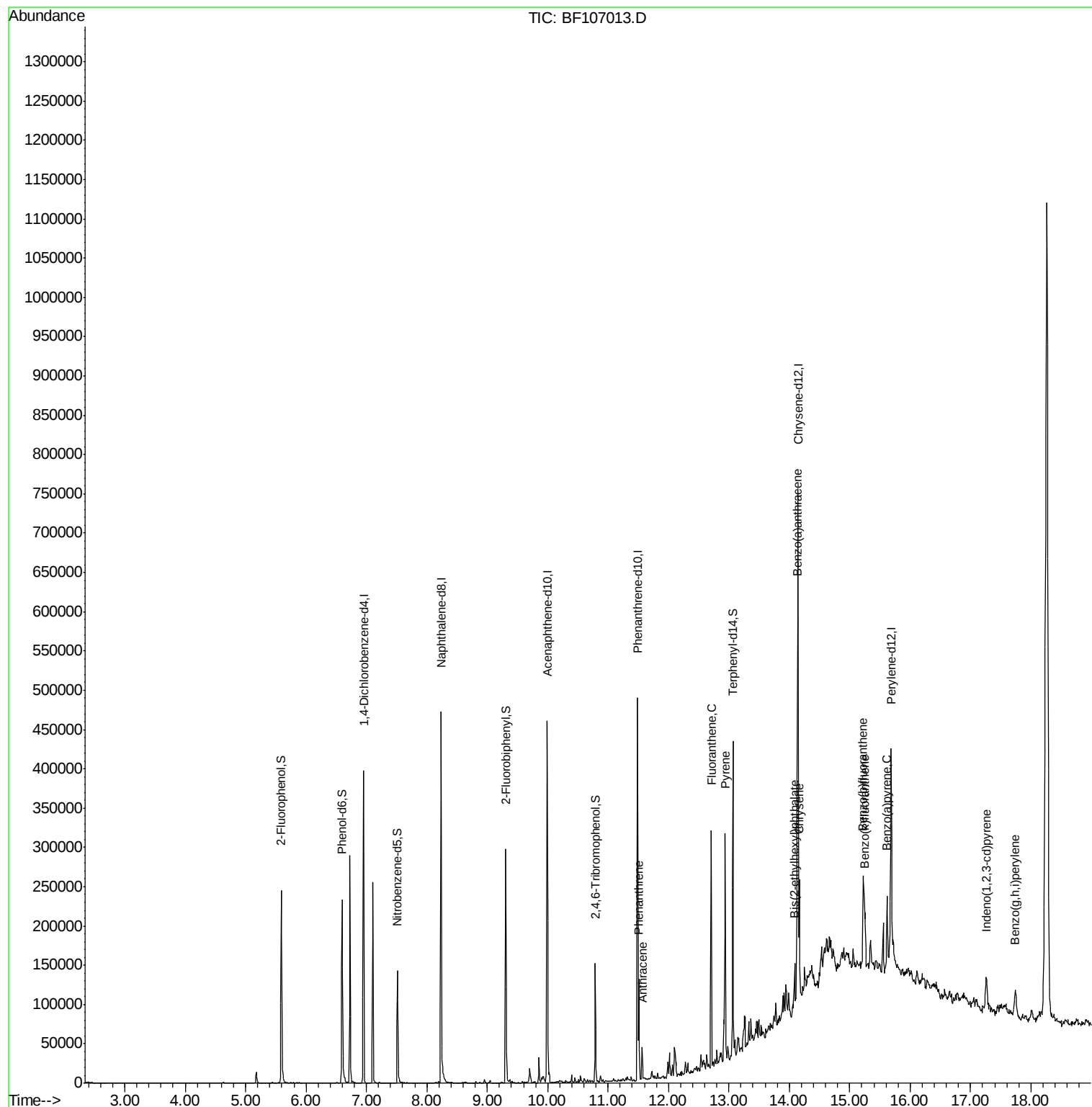
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
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ALS Vial : 10 Sample Multiplier: 1

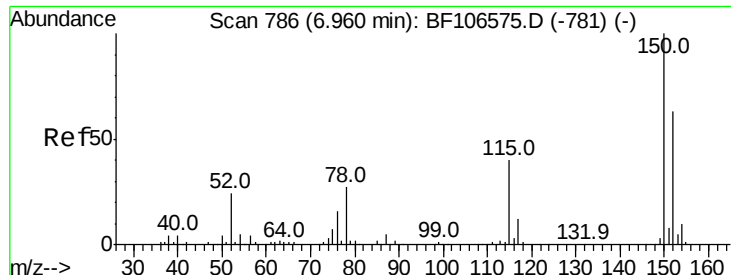
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#1

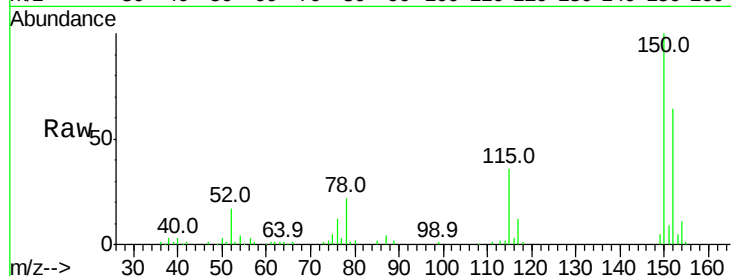
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	56.0	50.1	75.1

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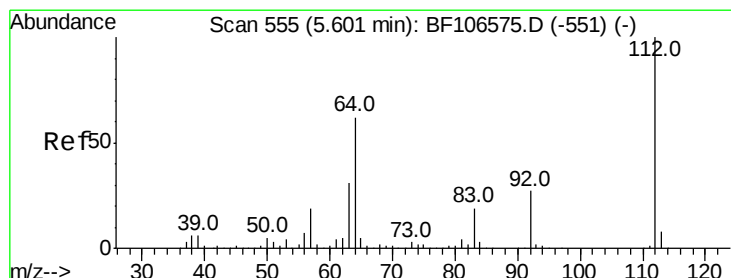
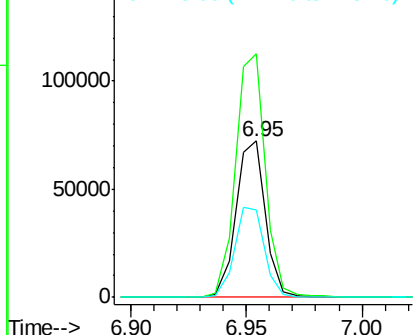
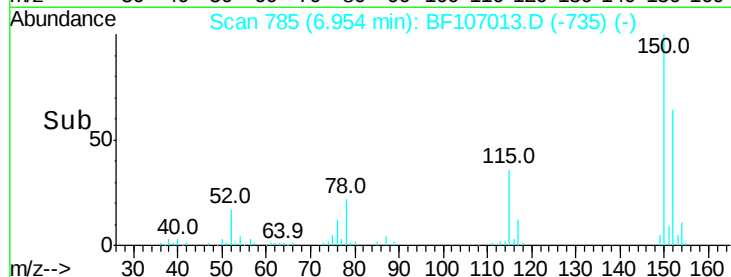


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

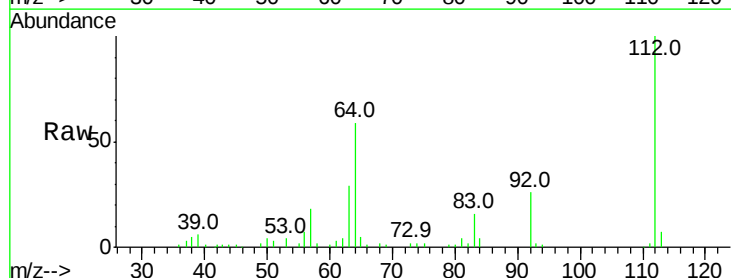
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.692 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	29.2	23.7	35.5

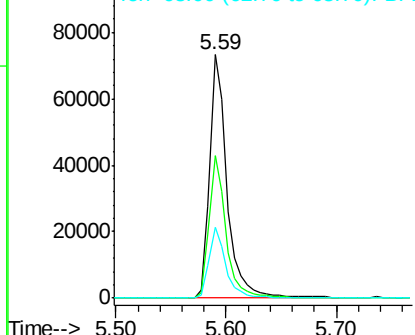
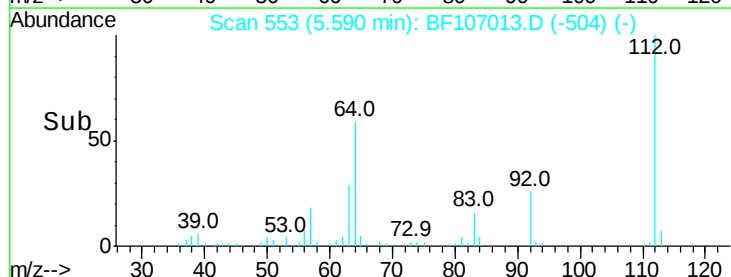


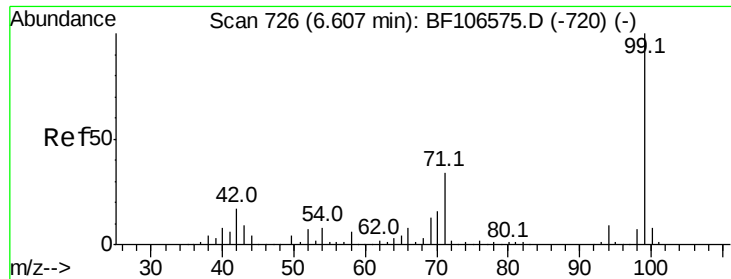
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.766 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

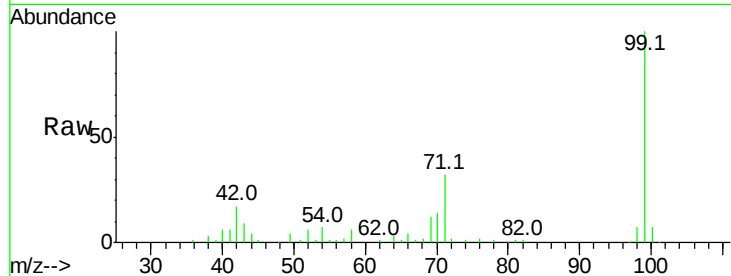
ClientSampleId :

DOCUMENTATION-2

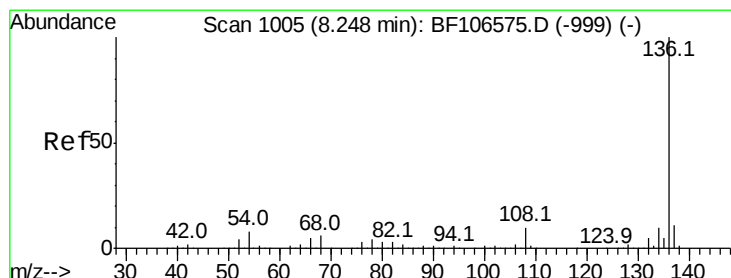
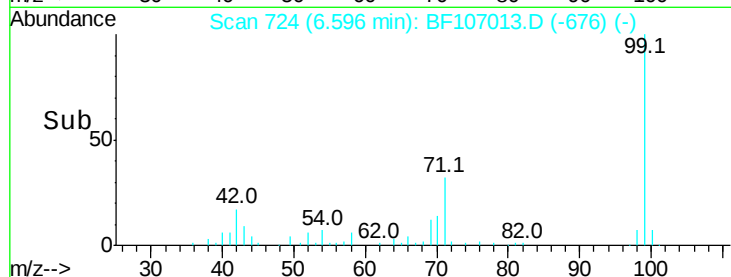
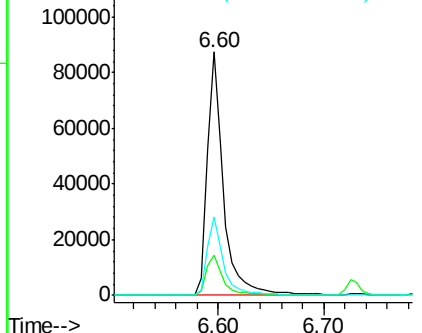
Tot Ion:	99	Resp:	93628
Ion Ratio	Lower	Upper	
99	100		
42	16.6	14.5	21.7
71	32.2	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

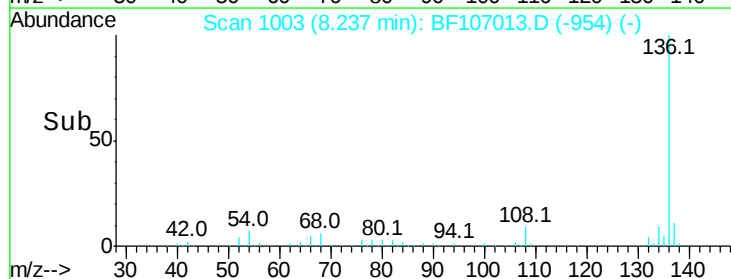
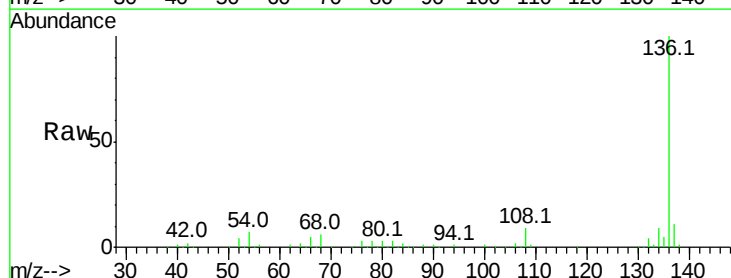
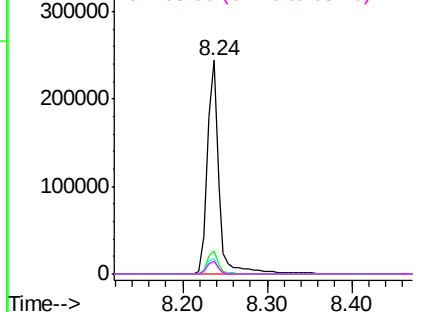
Delta R.T. -0.01 min

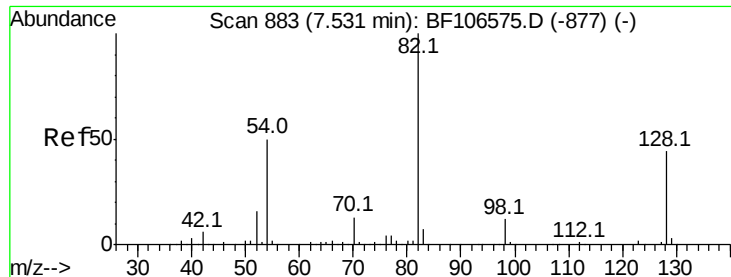
Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Tgt Ion:	136	Resp:	232686
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.3	6.6	9.8
68	5.7	5.0	7.4

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: 12.563 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

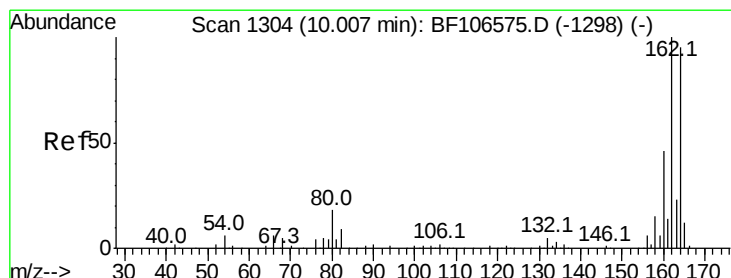
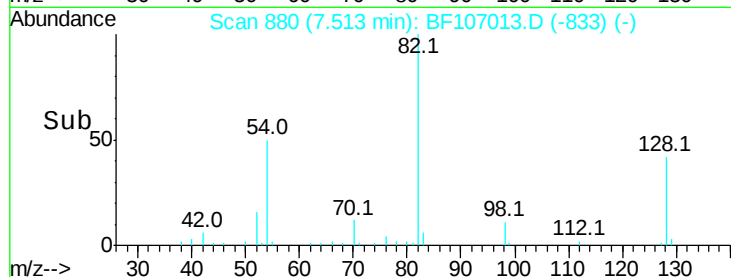
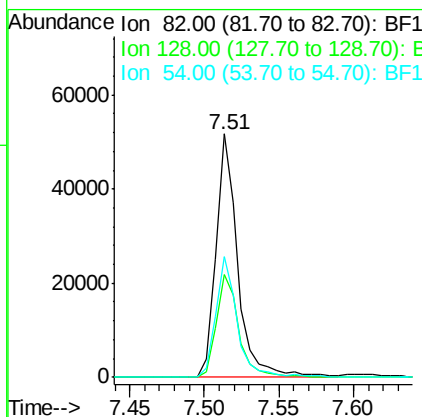
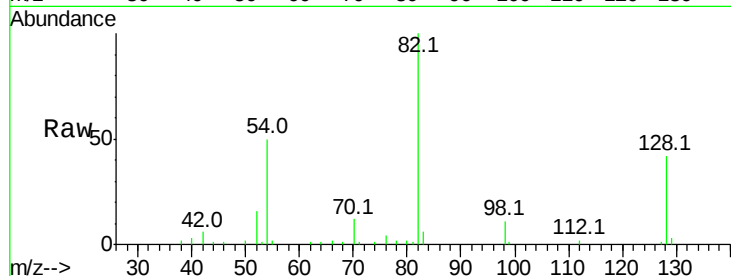
ClientSampleId :

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Tot Ion:	82	Resp:	52603
Ion Ratio	Lower	Upper	
82	100		
128	42.5	36.1	54.1
54	49.8	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

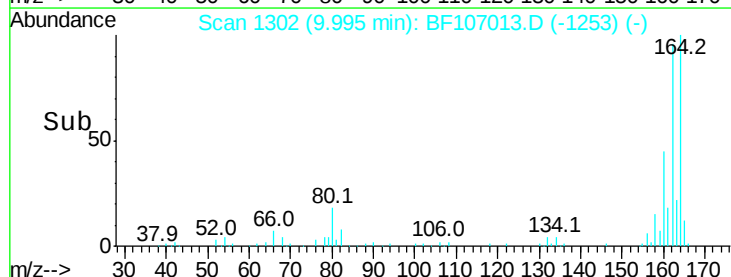
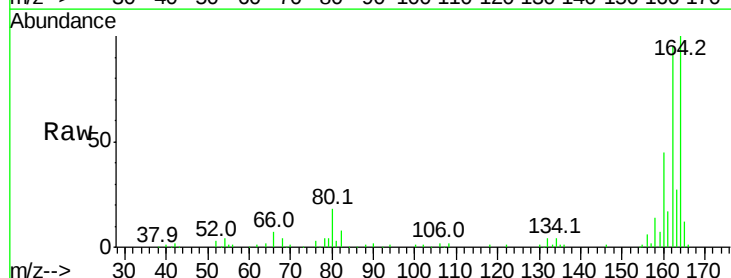
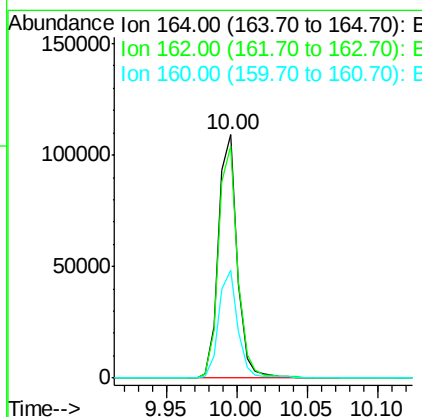
RT: 10.00 min Scan# 1302

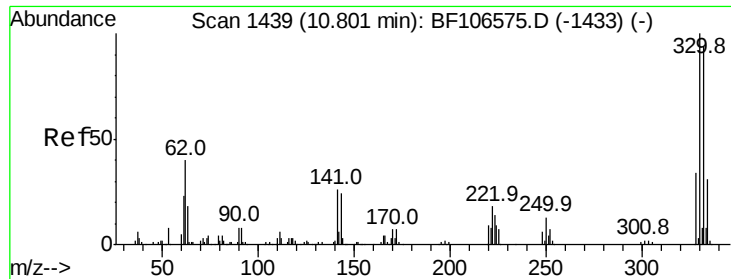
Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Tgt Ion:	164	Resp:	101448
Ion Ratio	Lower	Upper	
164	100		
162	95.1	86.1	129.1
160	44.5	38.3	57.5





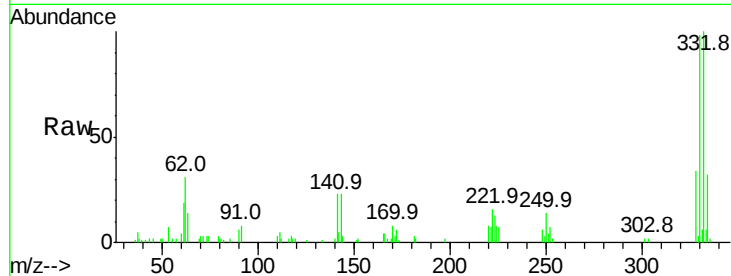
#41
 2,4,6-Tribromophenol
 Concen: 18.525 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	25.4	29.9	44.9#

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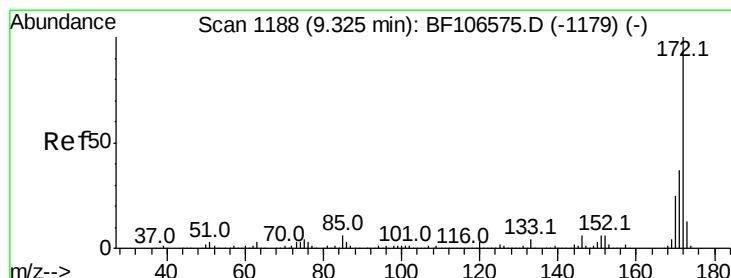
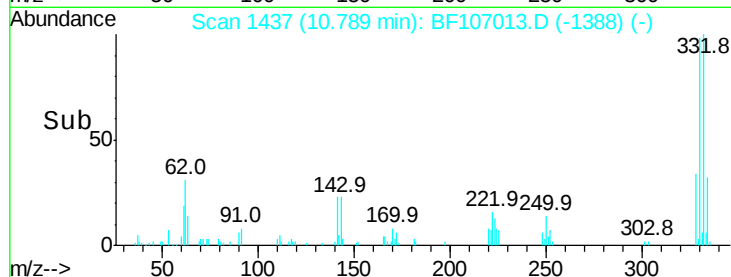
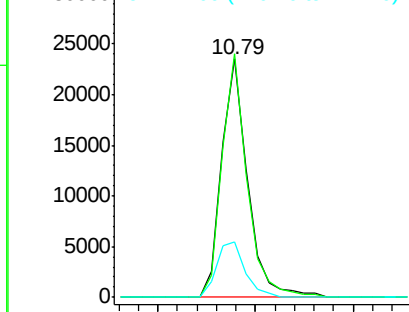


Abundance

Ion 329.80 (329.50 to 330.50): E

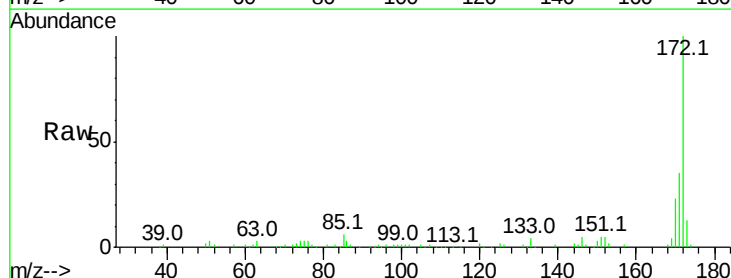
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 3.922 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	22.9	19.6	29.4

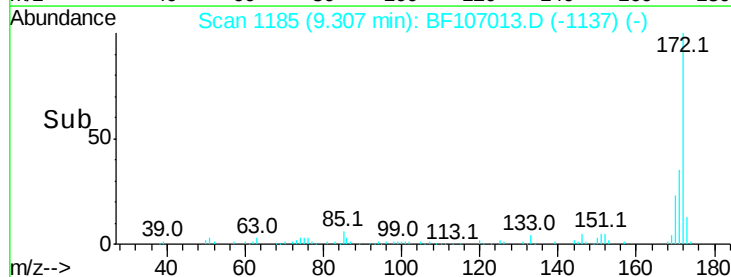
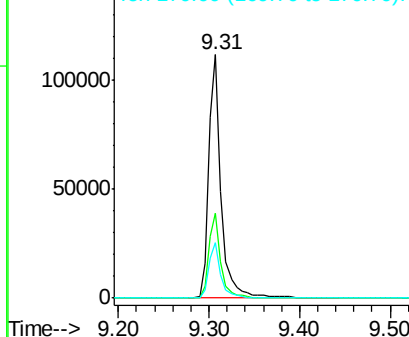


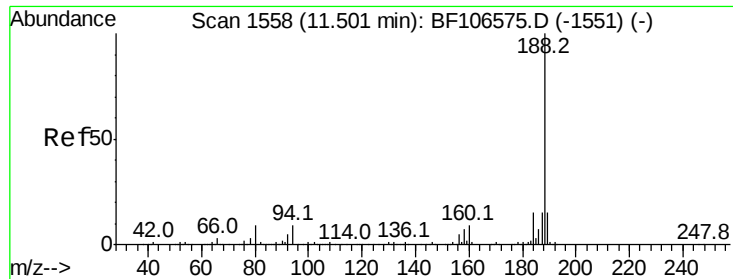
Abundance

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

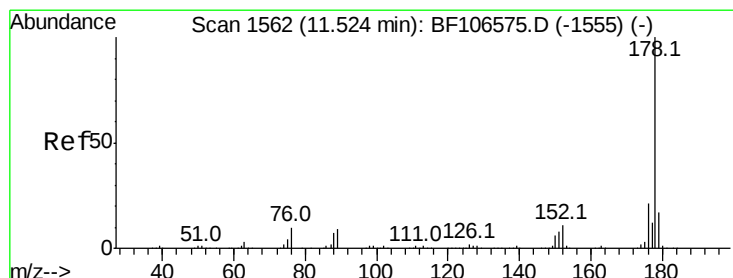
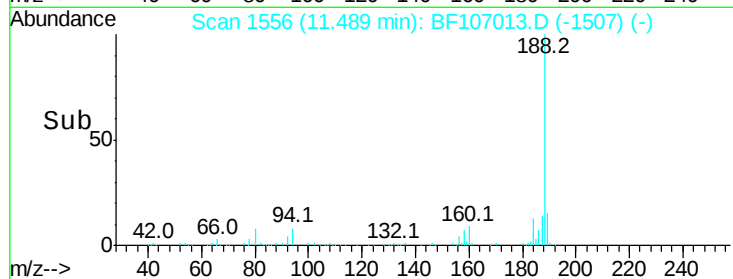
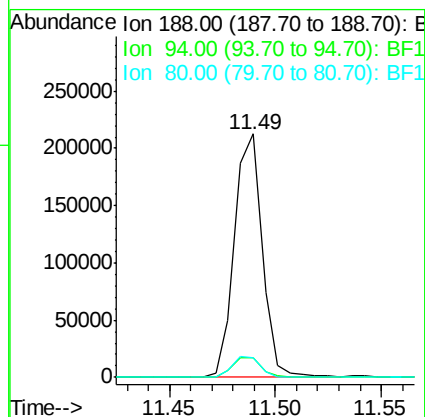
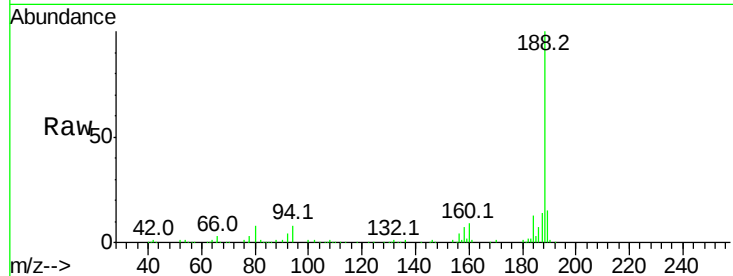
ClientSampleId :

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Tot Ion:	188	Resp:	193149
Ion Ratio	Lower	Upper	
188	100		
94	7.8	8.5	12.7#
80	8.0	9.2	13.8#

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#70

Phenanthrene

Concen: 5.266 ng

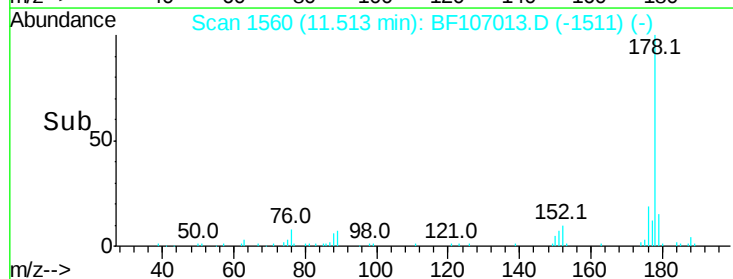
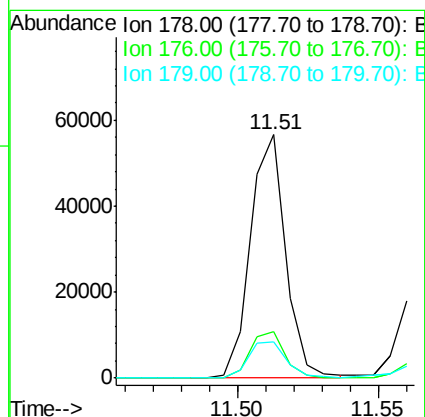
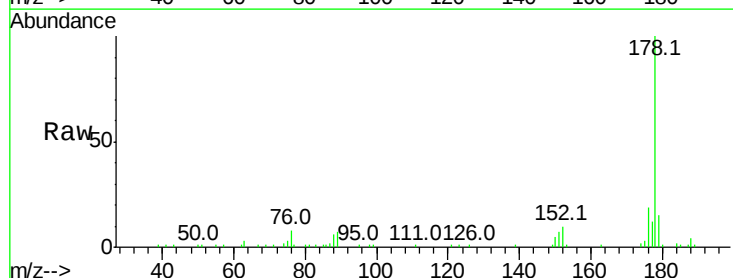
RT: 11.51 min Scan# 1560

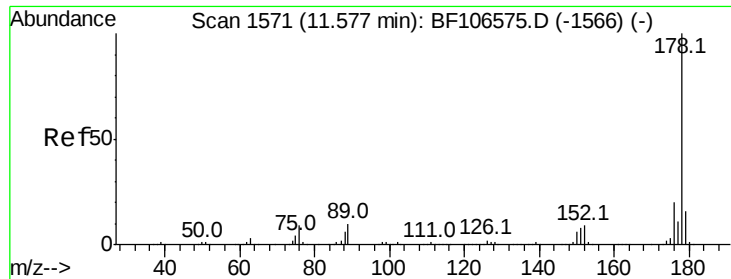
Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Tgt Ion:	178	Resp:	49055
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.0	13.0	19.6





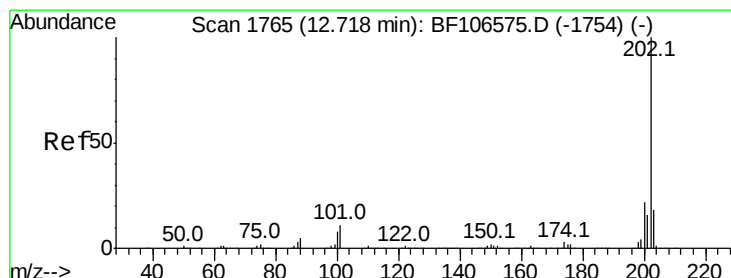
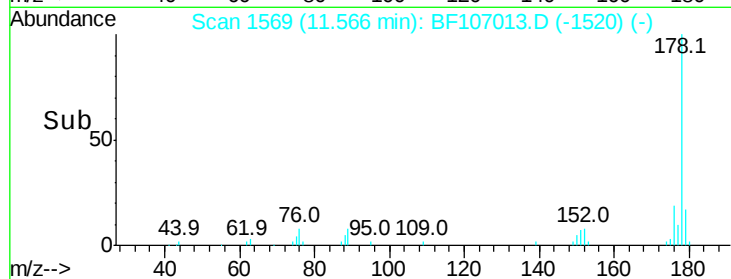
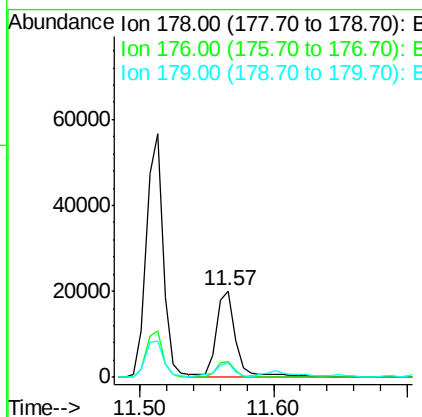
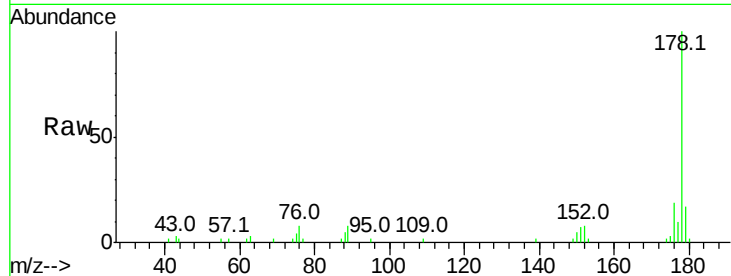
#71
 Anthracene
 Concen: 2.254 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	17.0	12.6	19.0

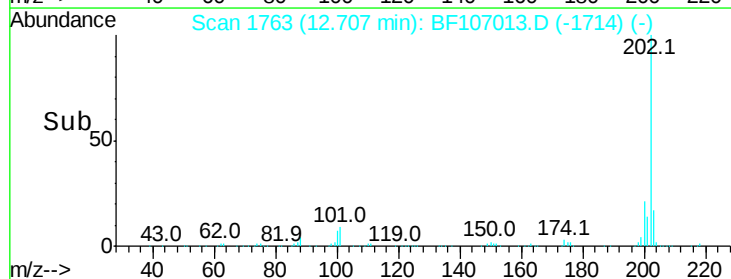
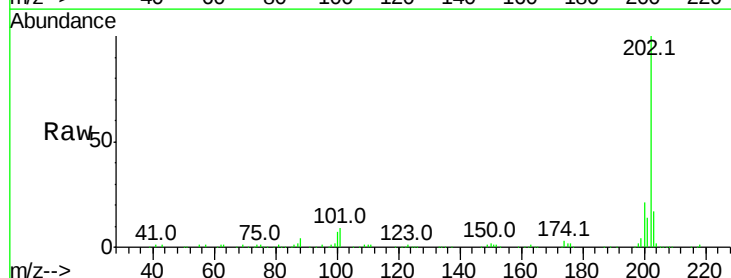
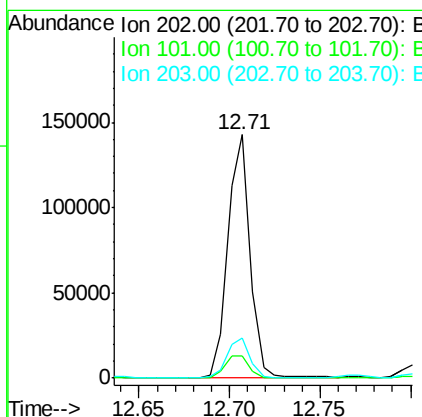
Manual Integrations
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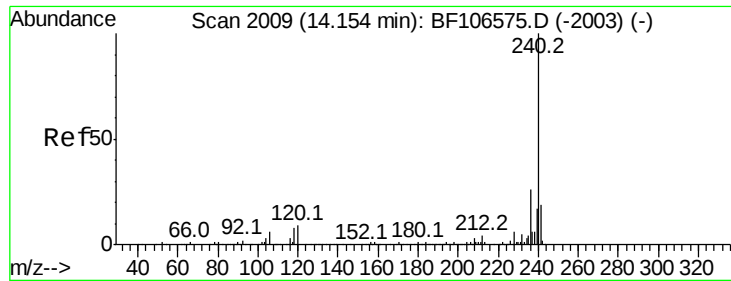
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#74
 Fluoranthene
 Concen: 11.950 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	16.7	0.0	38.1





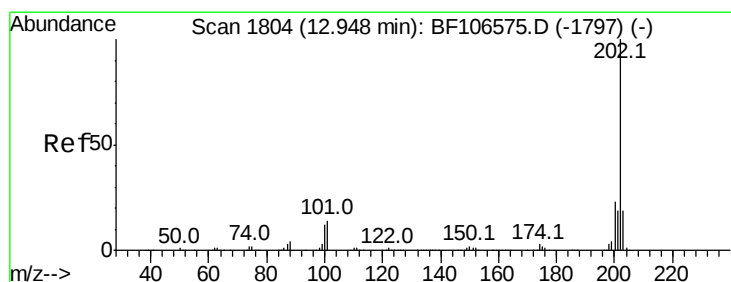
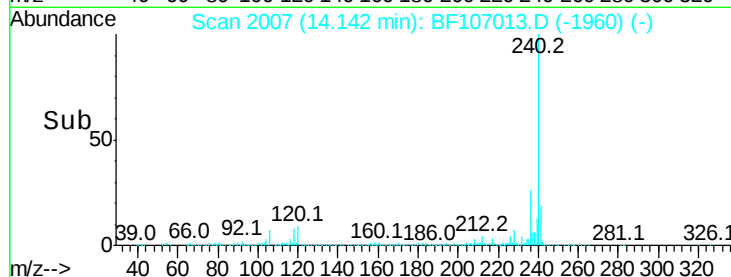
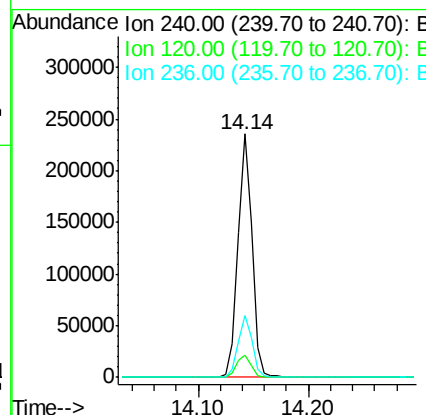
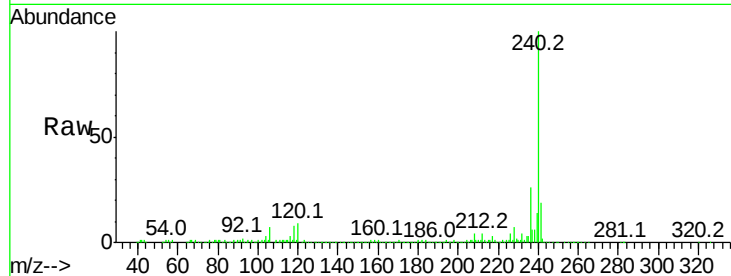
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	213547		
120	9.0	9.5	14.3#	
236	25.6	20.7	31.1	

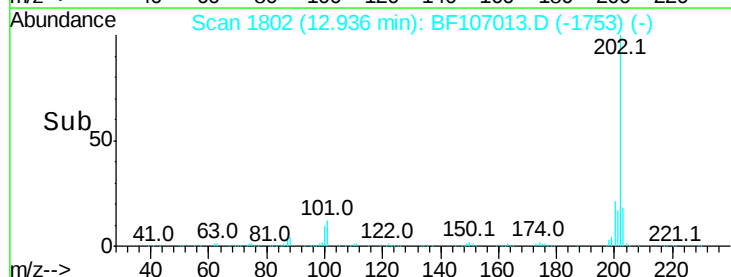
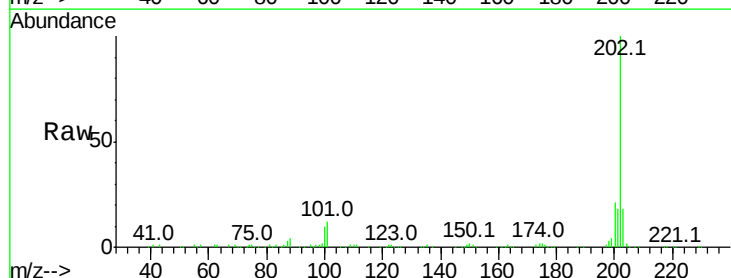
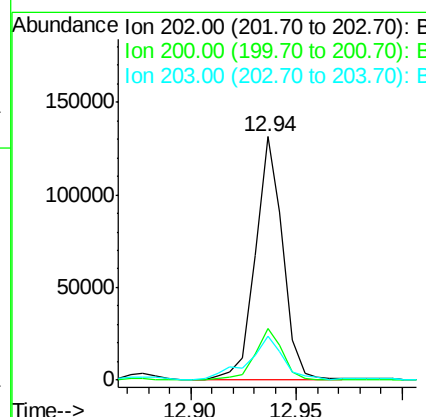
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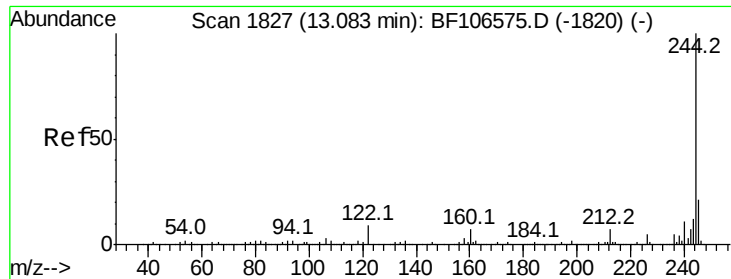
Sohil
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#77
Pyrene
Concen: 8.368 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	117843		
200	21.2	17.4	26.2	
203	18.2	14.3	21.5	





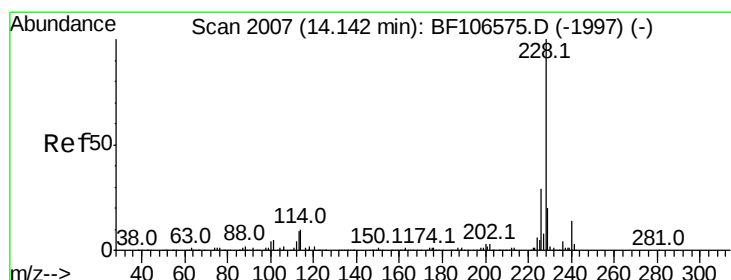
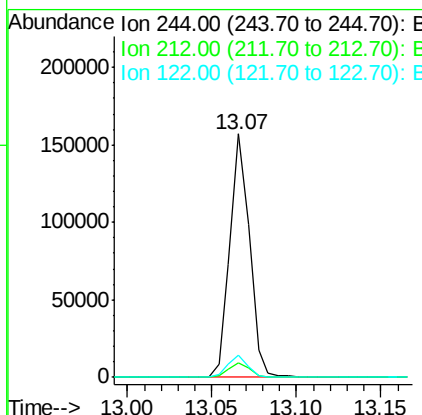
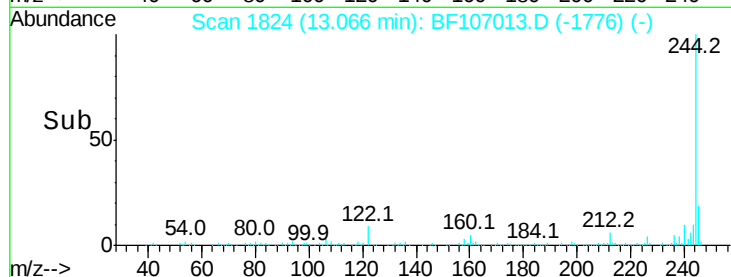
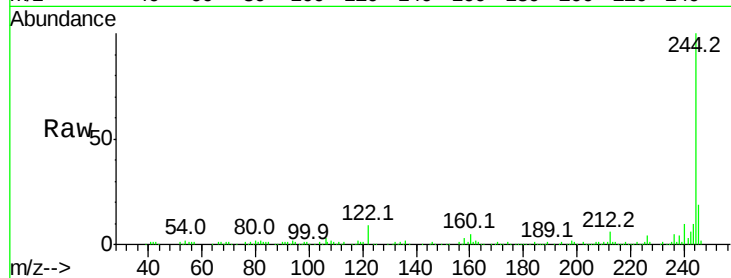
#78
 Terphenyl-d14
 Concen: 14.456 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	8.9	11.0	16.4

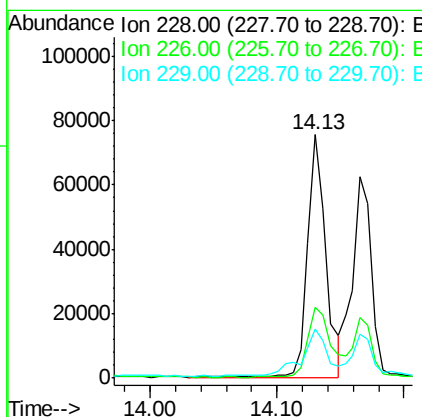
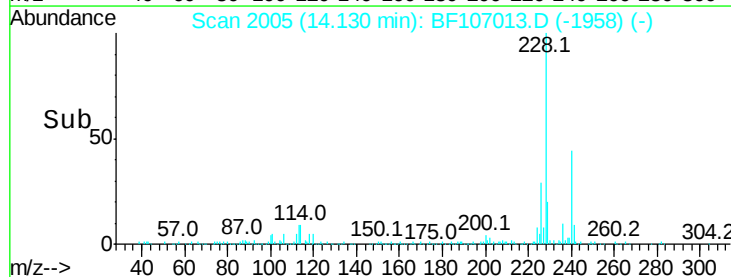
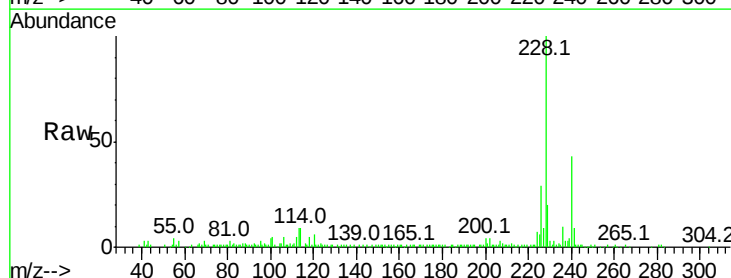
Manual Integrations
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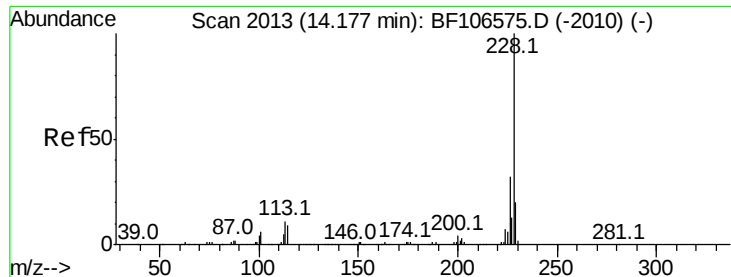
Sohil
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#80
 Benzo(a)anthracene
 Concen: 5.925 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 5.405 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

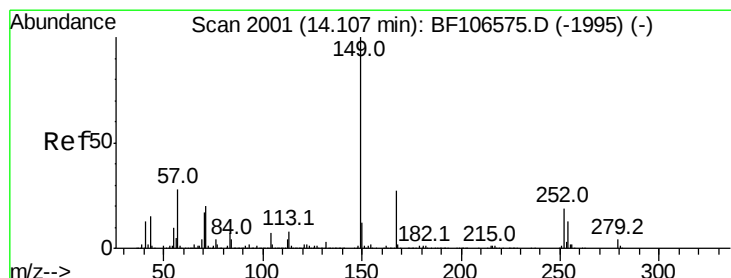
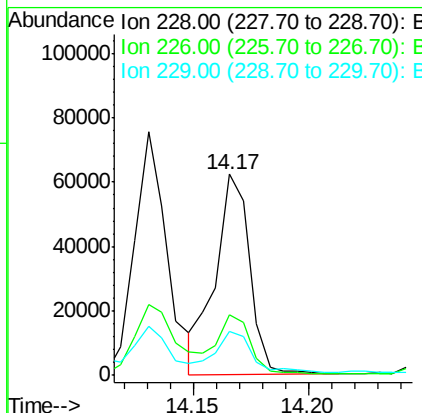
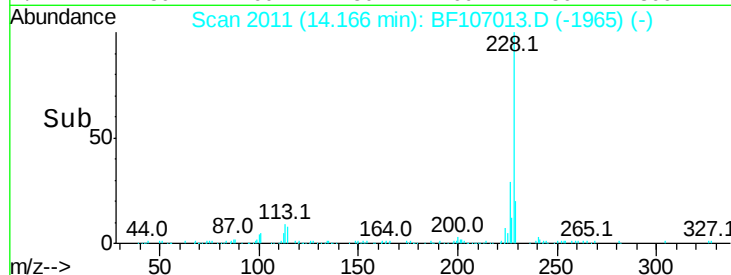
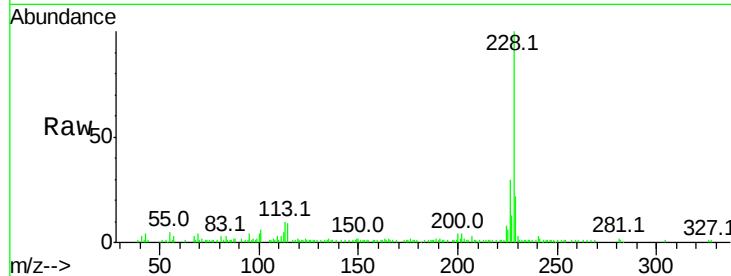
ClientSampleId :

DOCUMENTATION-2

Tot Ion:	228	Resp:	64720
Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.1	16.2	24.4

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.173 ng

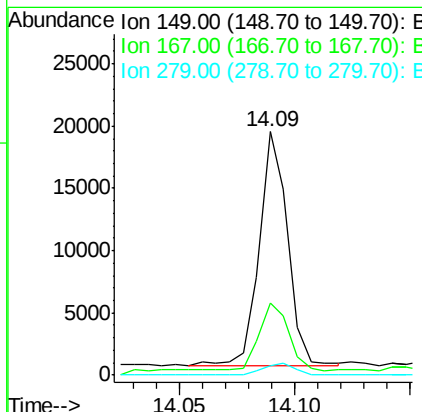
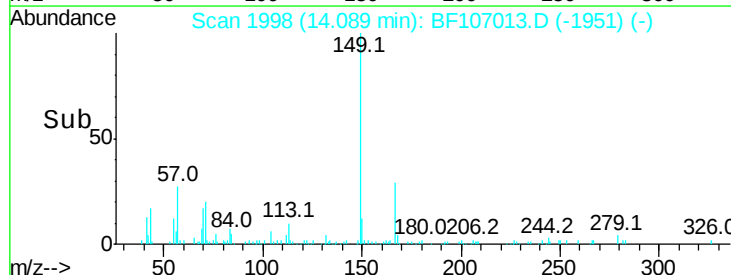
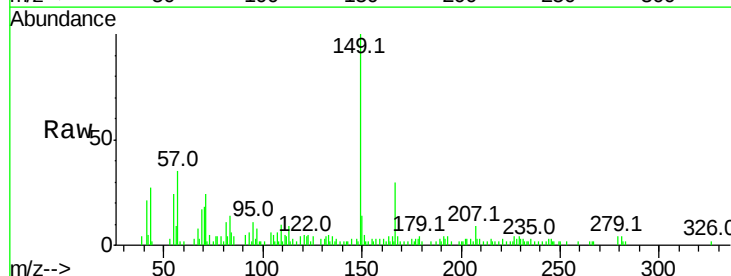
RT: 14.09 min Scan# 1998

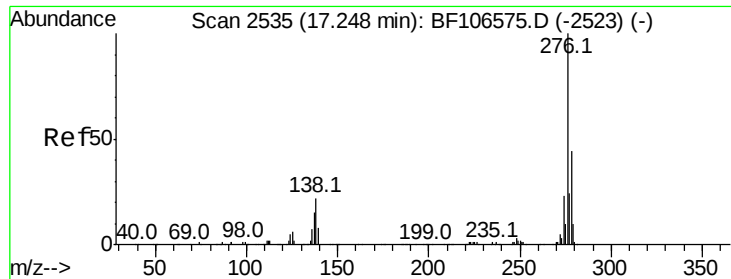
Delta R.T. -0.02 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Tgt Ion:	149	Resp:	16085
Ion	Ratio	Lower	Upper
149	100		
167	29.6	21.3	31.9
279	4.0	3.0	4.4





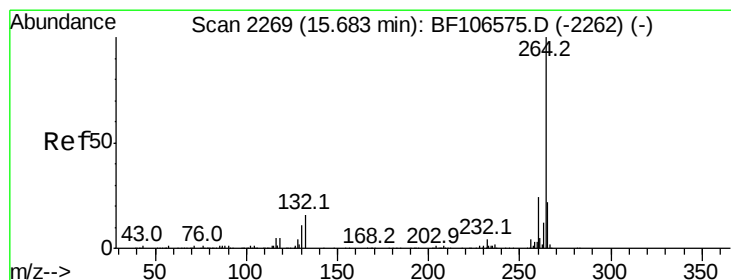
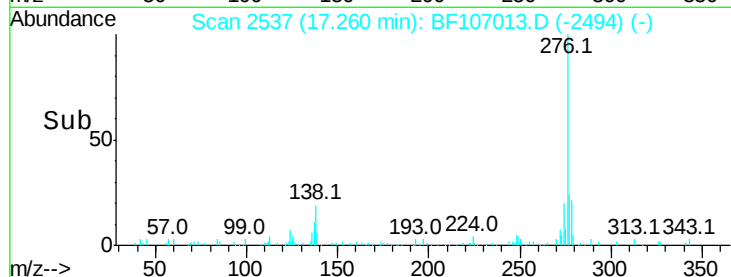
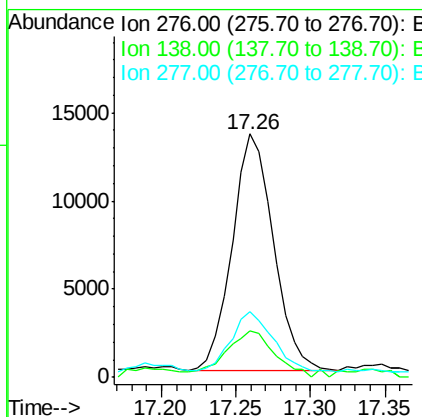
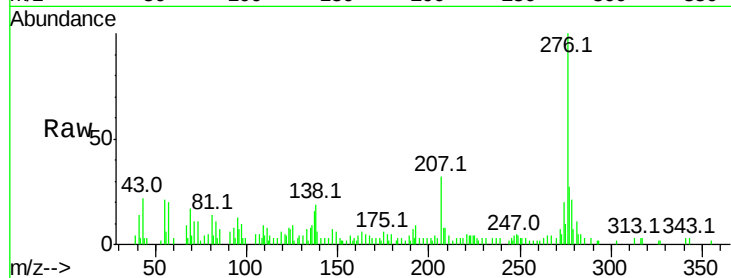
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.531 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.05 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	25.0	37.6#
277	25.9	20.1	30.1

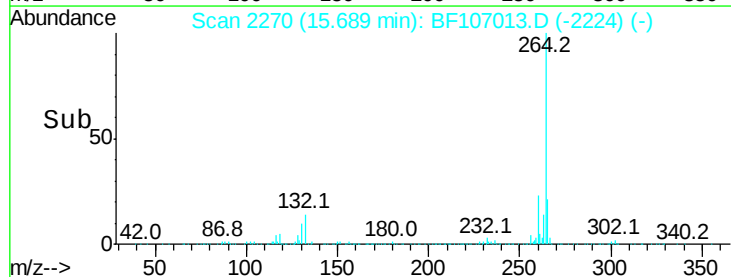
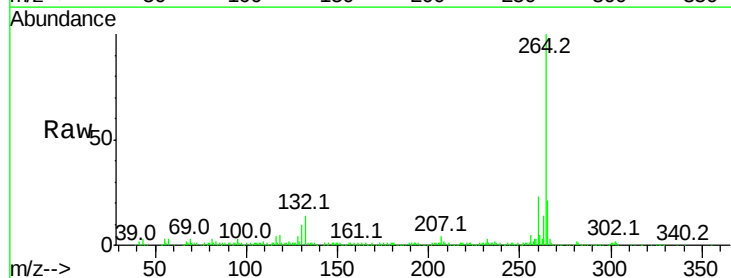
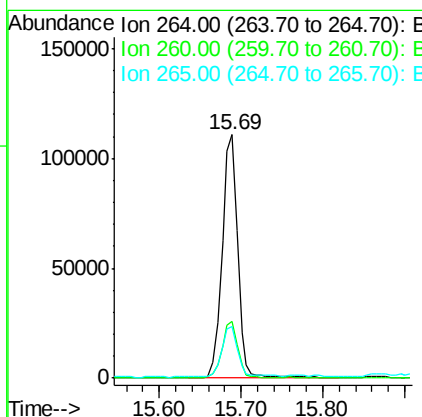
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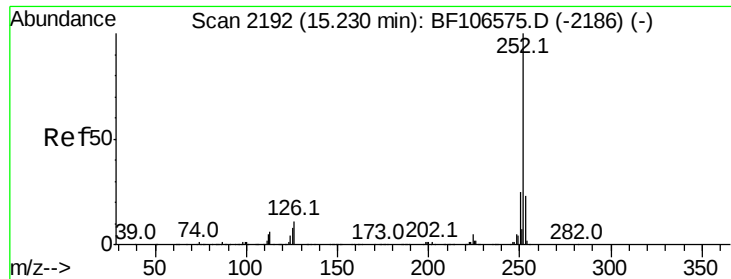
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3





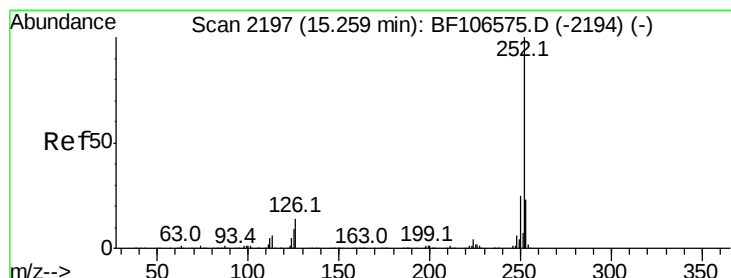
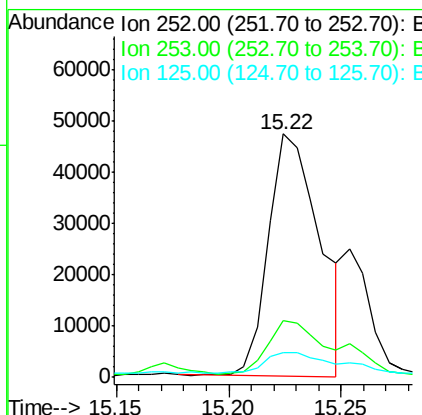
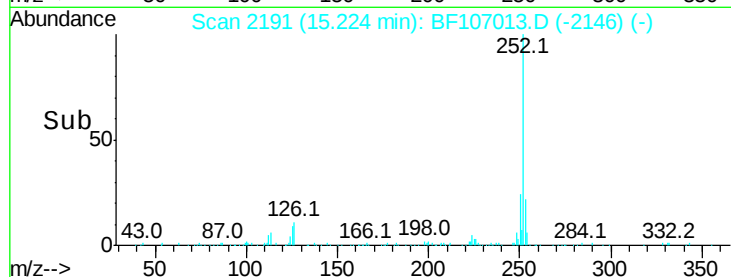
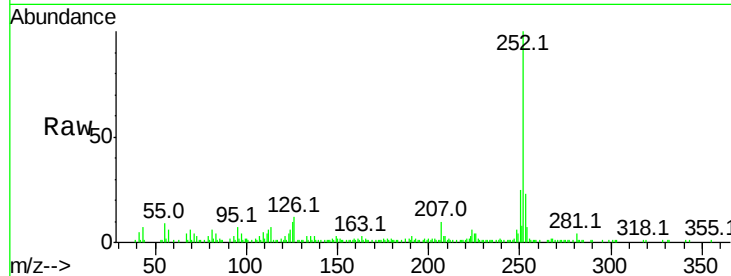
#87
Benzo(b)fluoranthene
Concen: 8.239 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.1	9.0	13.6

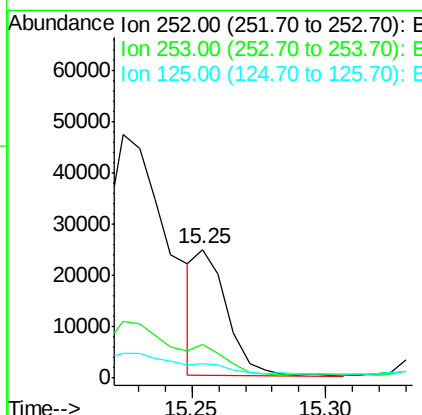
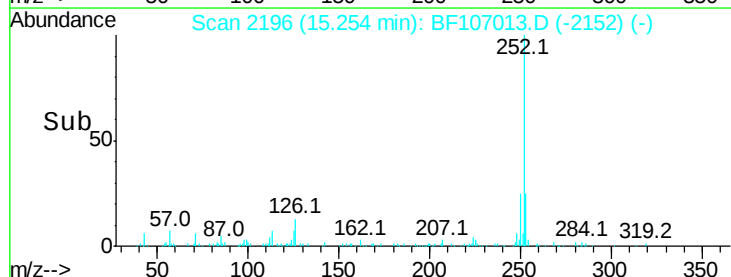
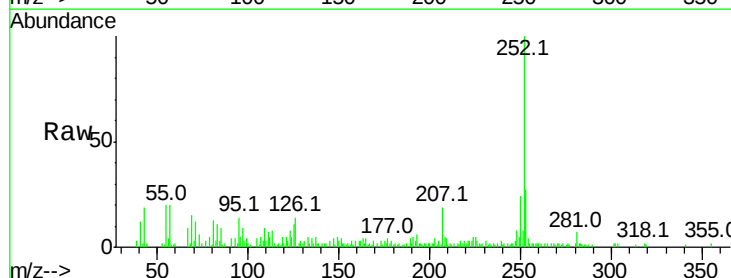
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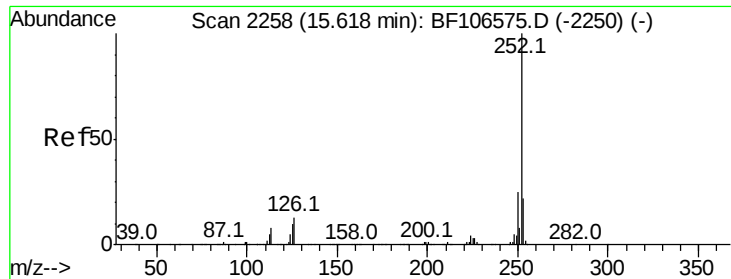
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#88
Benzo(k)fluoranthene
Concen: 2.318 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	10.9	10.2	15.2





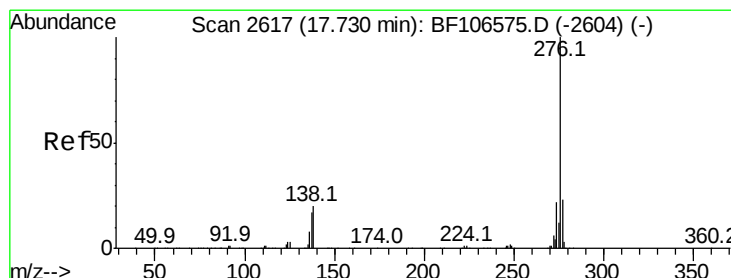
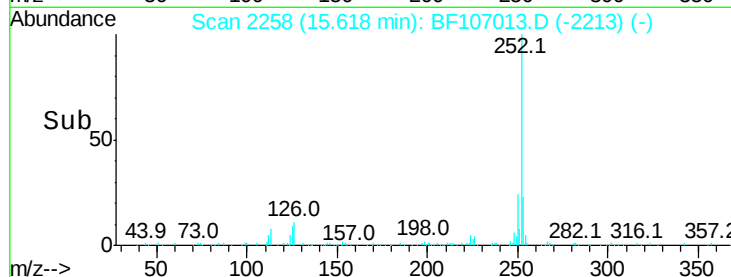
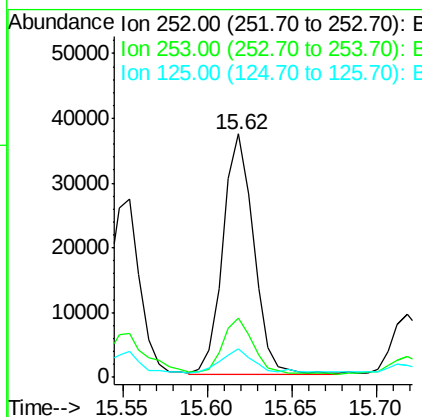
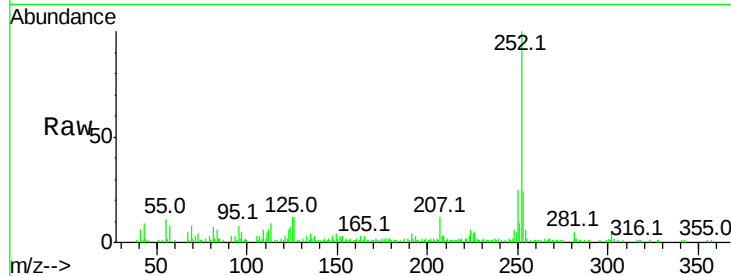
#89
Benzo(a)pyrene
Concen: 5.827 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	11.7	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.418 ng
RT: 17.74 min Scan# 2619
Delta R.T. -0.05 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	16.7	21.8	32.8

