

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107012.D
 Acq On : 30 Jun 2018 14:09
 Operator : JU/SJ
 Sample : J3600-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-1

Manual Integrations
 APPROVED

Sohil
 7/2/2018 12:30:02 PM

Quant Time: Jul 02 05:26:37 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	64581	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	242308	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	105828	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	196462	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	211732	20.00	ng	-0.02
86) Perylene-d12	15.69	264	162117	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	82689	21.68	ng	-0.01
7) Phenol-d6	6.60	99	99567	20.91	ng	-0.02
23) Nitrobenzene-d5	7.51	82	57654	13.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	23379	19.06	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	116216	4.64	ng	-0.02
78) Terphenyl-d14	13.07	244	129805	14.85	ng	-0.02
Target Compounds						Qvalue
51) Acenaphthene	10.02	154	15235	2.308	ng	97
57) Fluorene	10.54	166	20746	2.893	ng	99
70) Phenanthrene	11.51	178	272668	28.775	ng	99
71) Anthracene	11.57	178	80473	8.320	ng	97
72) Carbazole	11.72	167	27092	2.992	ng	99
74) Fluoranthene	12.71	202	496782	47.565	ng	96
77) Pyrene	12.94	202	472351	33.831	ng	99
80) Benzo(a)anthracene	14.14	228	278315	21.567	ng	98
82) Chrysene	14.17	228	247501	20.847	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	92187	9.150	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	260991m	25.916	ng	
88) Benzo(k)fluoranthene	15.26	252	104650m	10.912	ng	
89) Benzo(a)pyrene	15.62	252	185742m	20.747	ng	
91) Benzo(a,h,i)perylene	17.75	276	93681	12.633	ng	# 89

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

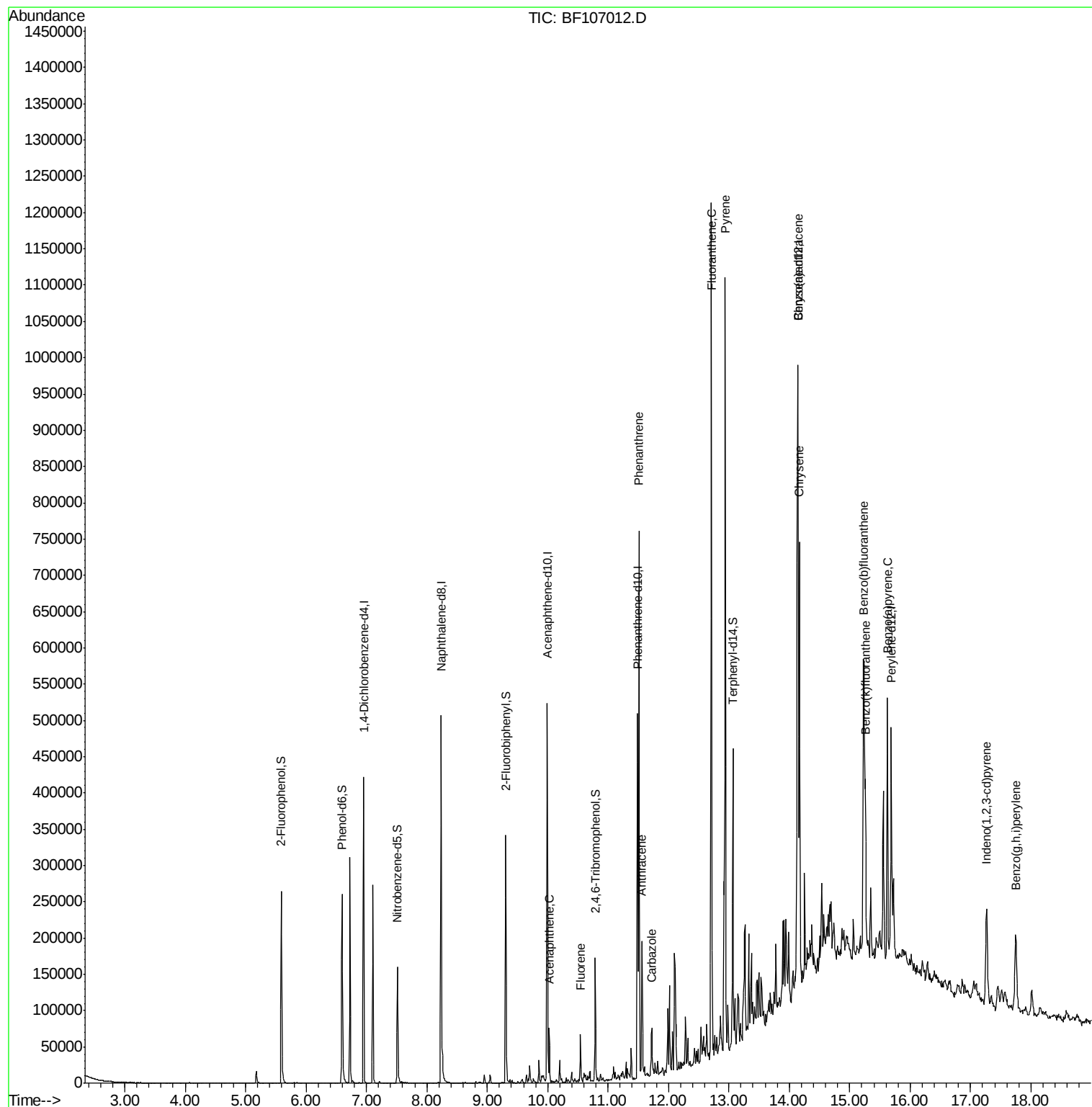
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
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ALS Vial : 9 Sample Multiplier: 1

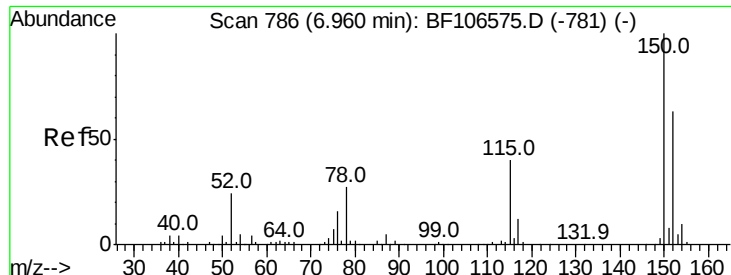
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Quant Time: Jul 02 05:26:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

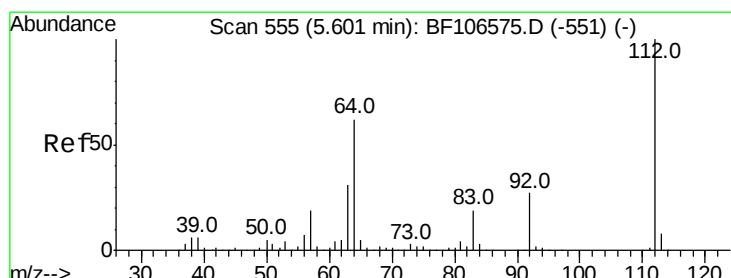
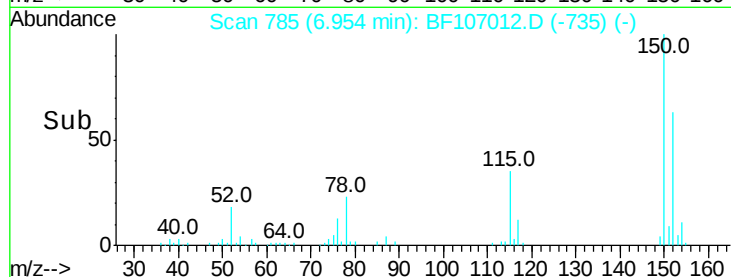
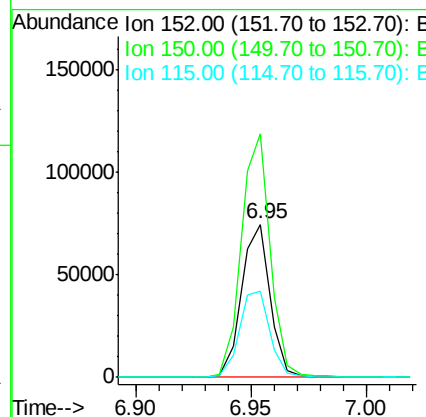
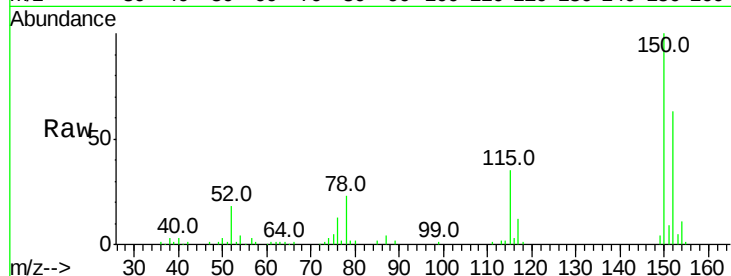
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107012.D
Acq: 30 Jun 2018 14:09

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	56.4	50.1	75.1

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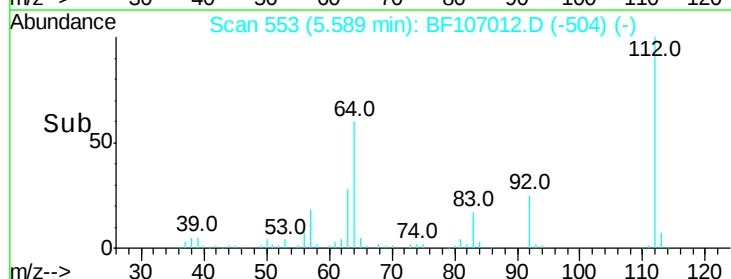
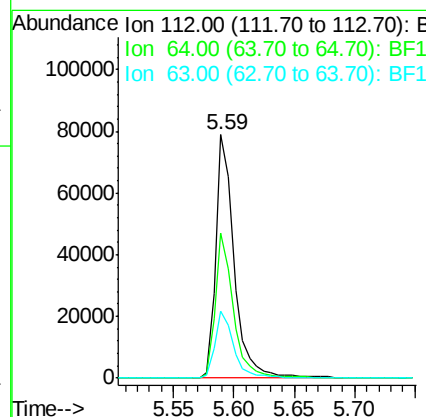
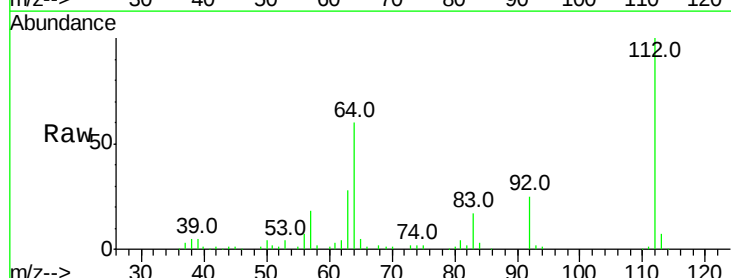
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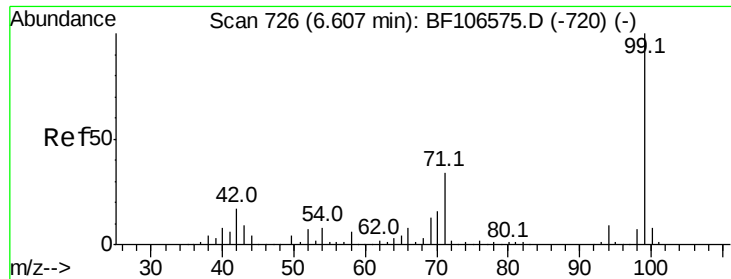


#5

2-Fluorophenol
Concen: 21.681 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107012.D
Acq: 30 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 20.905 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Instrument :

BNA_F

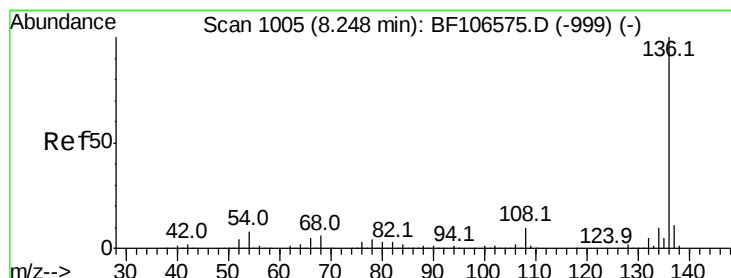
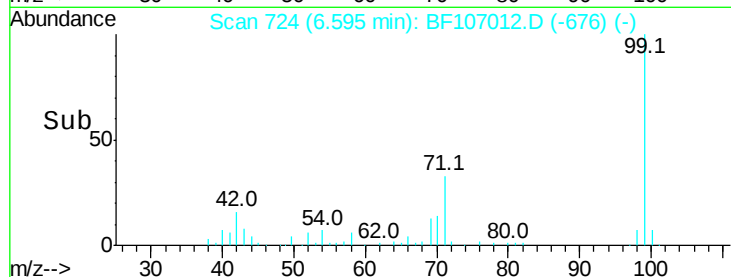
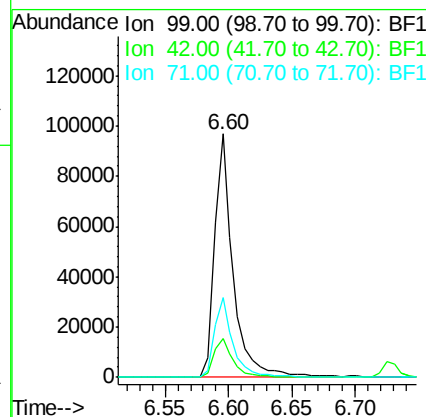
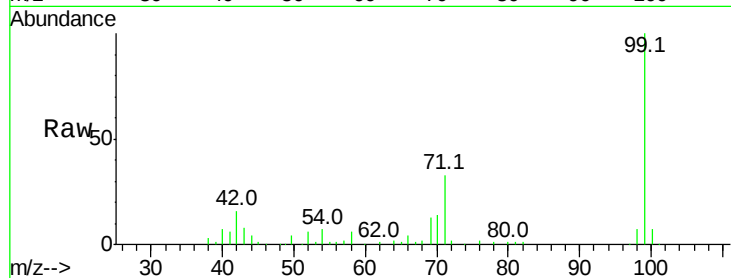
ClientSampleId :

DOCUMENTATION-1

Tot Ion:	99	Resp:	99567
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

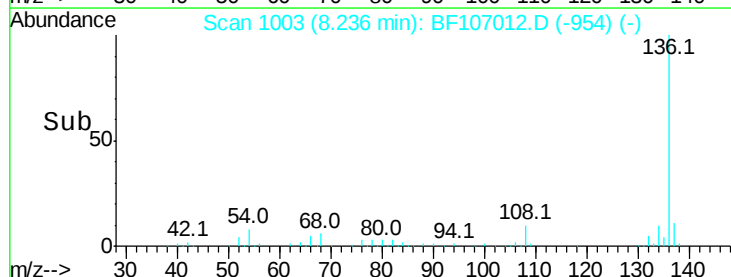
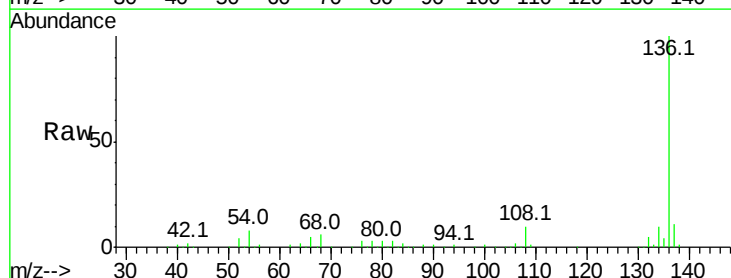
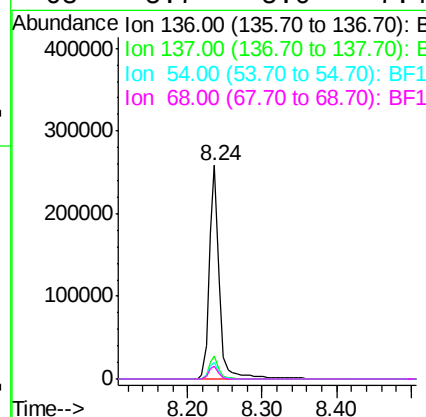
RT: 8.24 min Scan# 1003

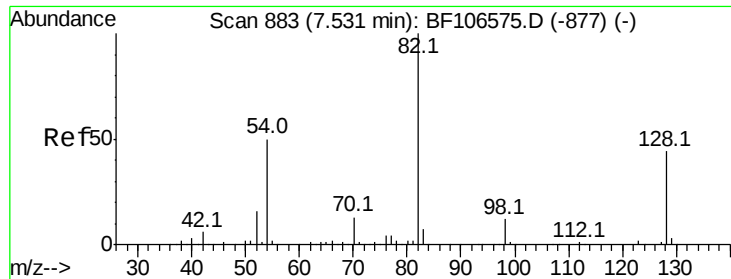
Delta R.T. -0.01 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Tgt Ion:	136	Resp:	242308
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	5.7	5.0	7.4





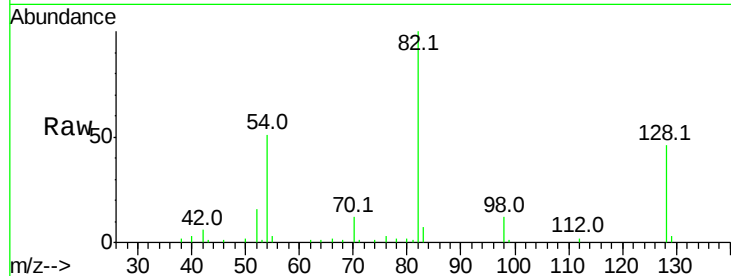
#23
 Nitrobenzene-d5
 Concen: 13.223 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107012.D
 Acq: 30 Jun 2018 14:09

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-1

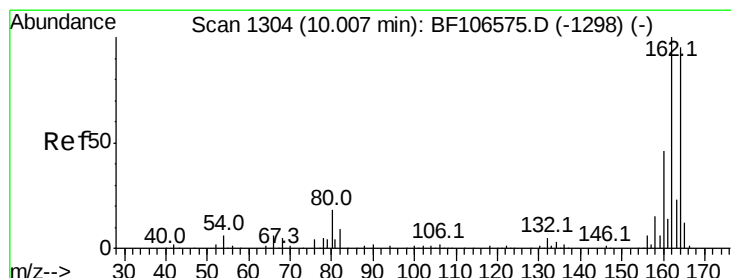
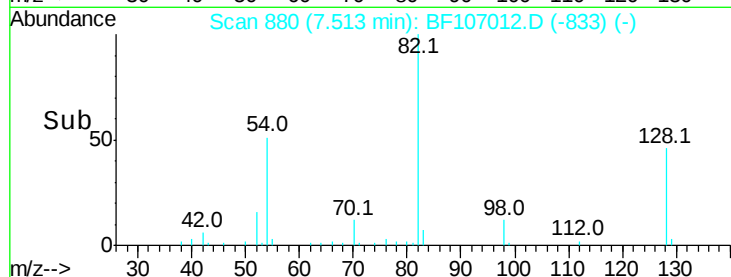
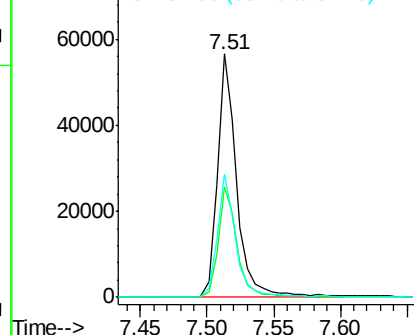
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	50.9	41.4	62.2

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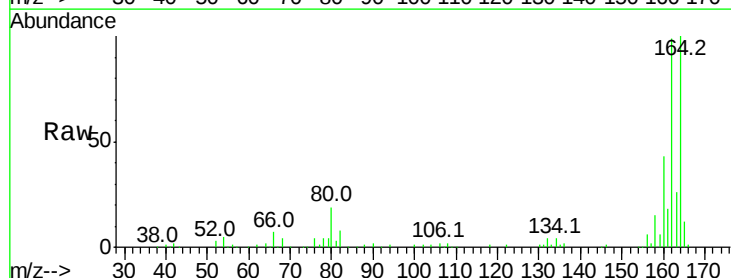


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

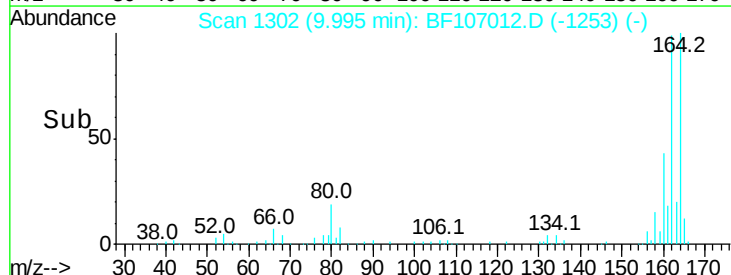
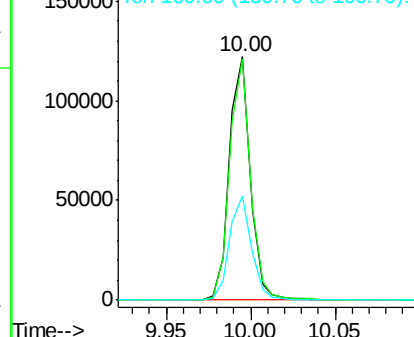


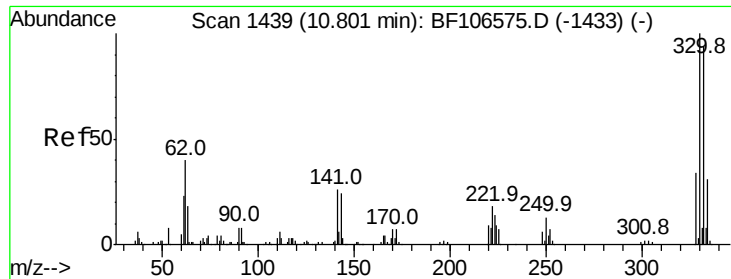
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107012.D
 Acq: 30 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	86.1	129.1
160	43.0	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





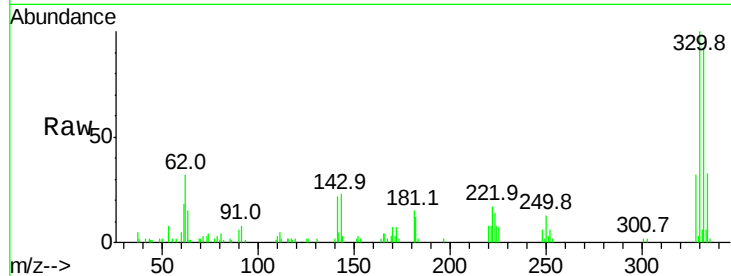
#41
 2,4,6-Tribromophenol
 Concen: 19.060 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107012.D
 Acq: 30 Jun 2018 14:09

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-1

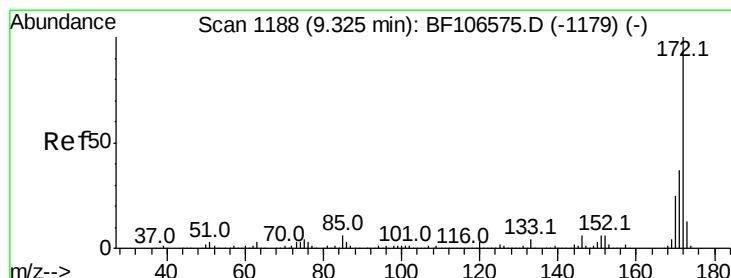
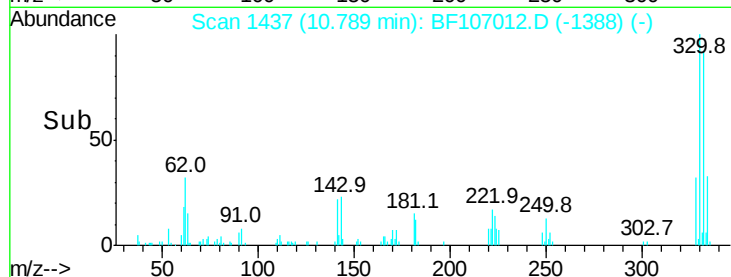
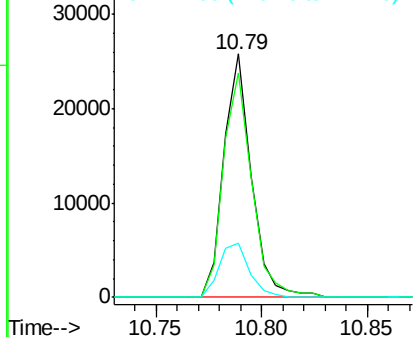
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	24.6	29.9	44.9#

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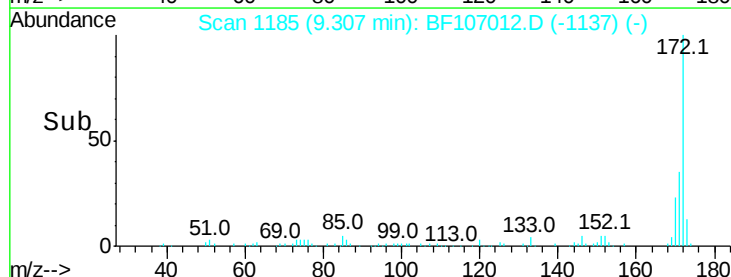
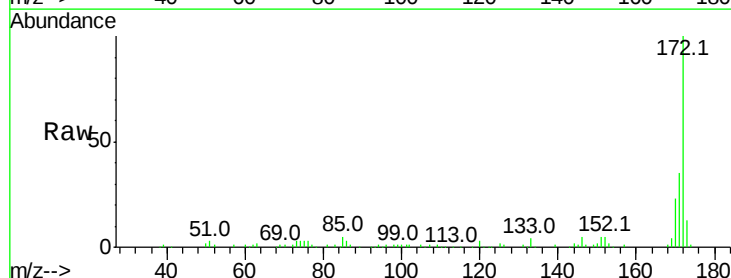
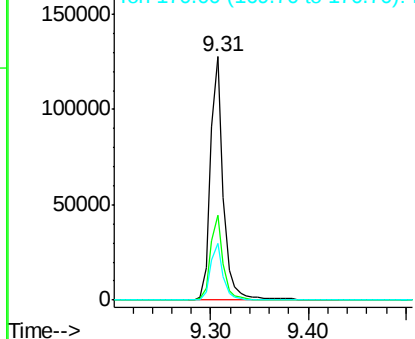
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

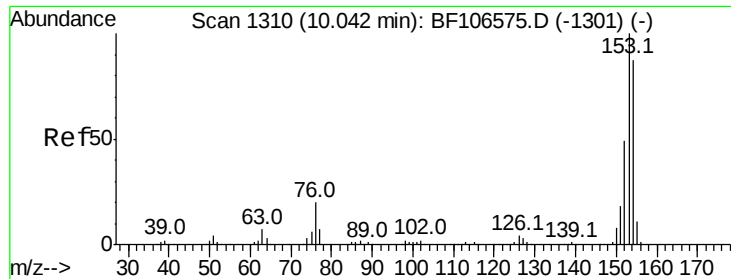


#44
 2-Fluorobiphenyl
 Concen: 4.642 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107012.D
 Acq: 30 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.5	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





#51

Acenaphthene

Concen: 2.308 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Instrument :

BNA_F

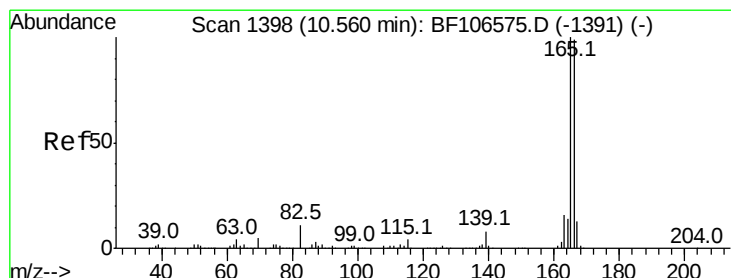
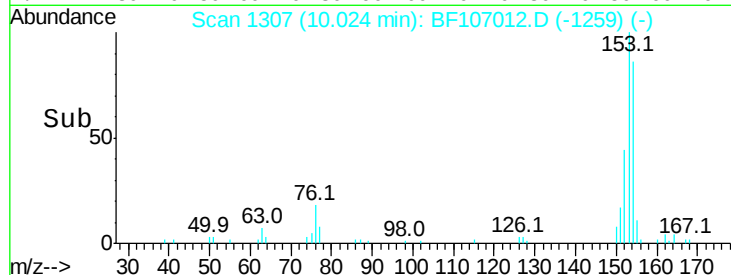
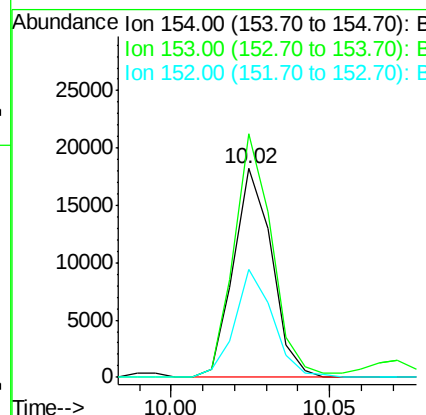
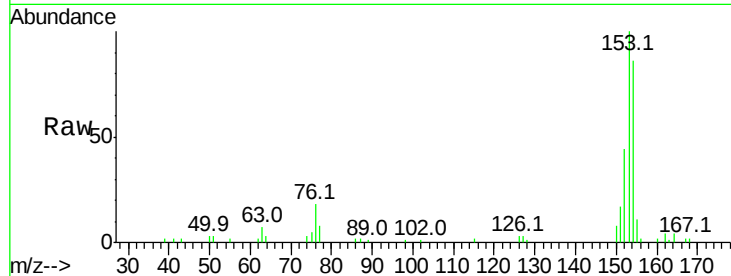
ClientSampleId :

DOCUMENTATION-1

Tot Ion:	154	Resp:	15235
Ion Ratio	Lower	Upper	
154	100		
153	116.8	91.2	136.8
152	51.7	43.8	65.8

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#57

Fluorene

Concen: 2.893 ng

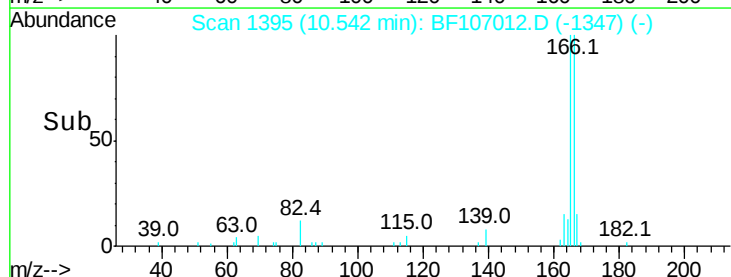
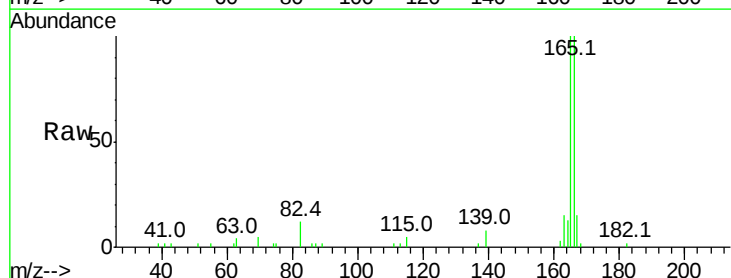
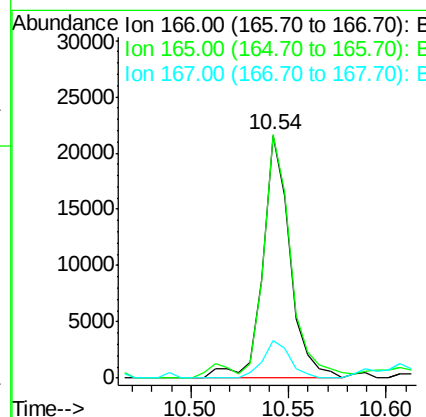
RT: 10.54 min Scan# 1395

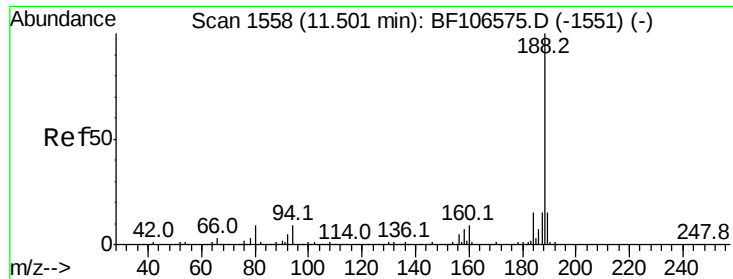
Delta R.T. -0.02 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Tgt Ion:	166	Resp:	20746
Ion Ratio	Lower	Upper	
166	100		
165	100.4	79.8	119.8
167	15.3	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Instrument :

BNA_F

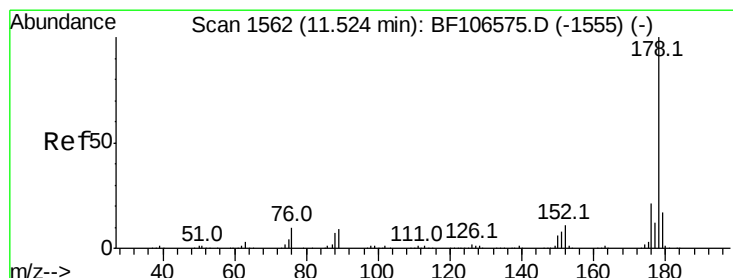
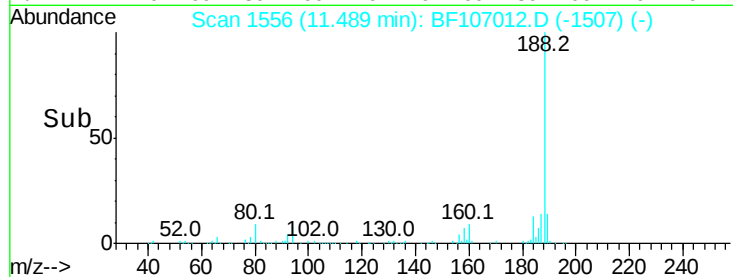
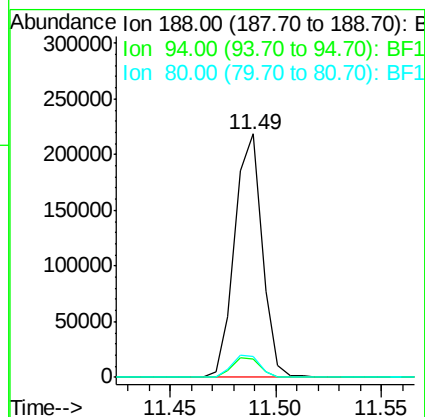
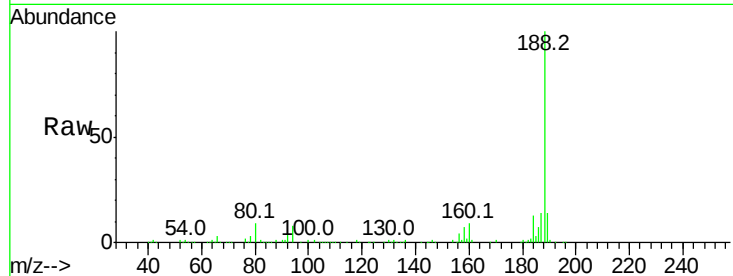
ClientSampleId :

DOCUMENTATION-1

Tot Ion:	188	Resp:	196462
Ion Ratio	Lower	Upper	
188	100		
94	7.6	8.5	12.7#
80	8.6	9.2	13.8#

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#70

Phenanthrene

Concen: 28.775 ng

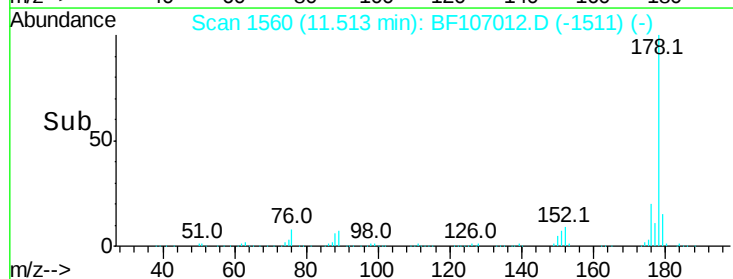
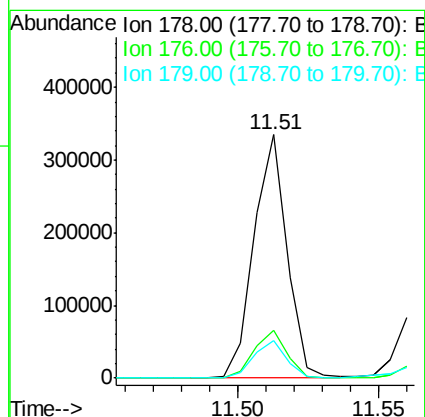
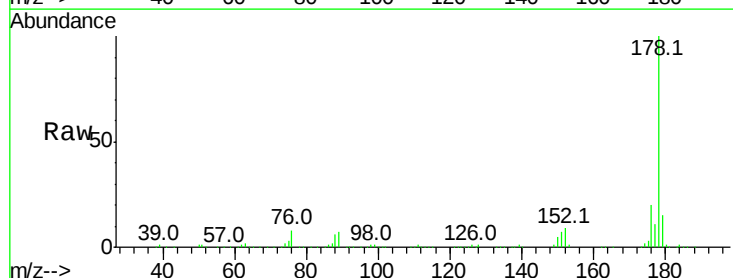
RT: 11.51 min Scan# 1560

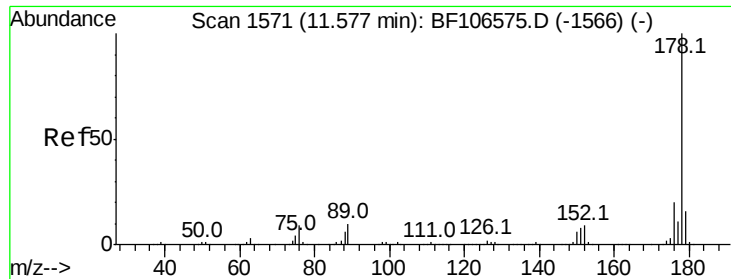
Delta R.T. -0.01 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Tgt Ion:	178	Resp:	272668
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	15.4	13.0	19.6





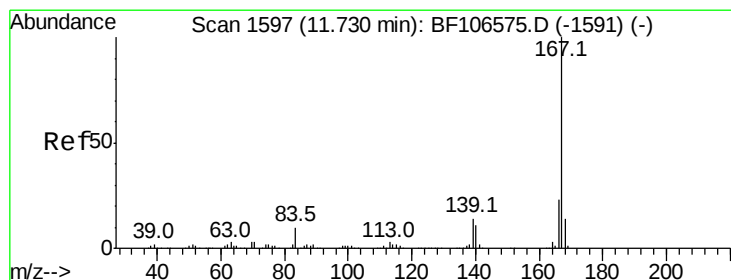
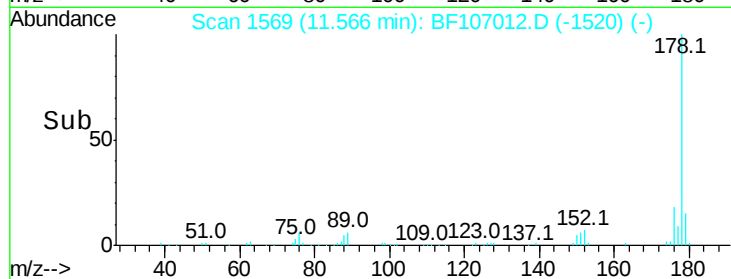
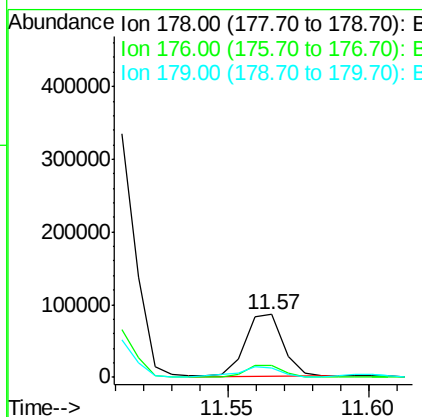
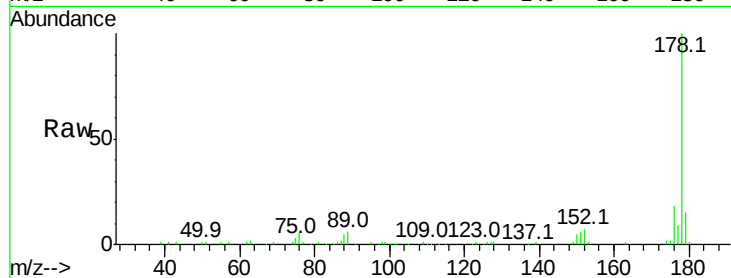
#71
 Anthracene
 Concen: 8.320 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107012.D
 Acq: 30 Jun 2018 14:09

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	14.6	12.6	19.0

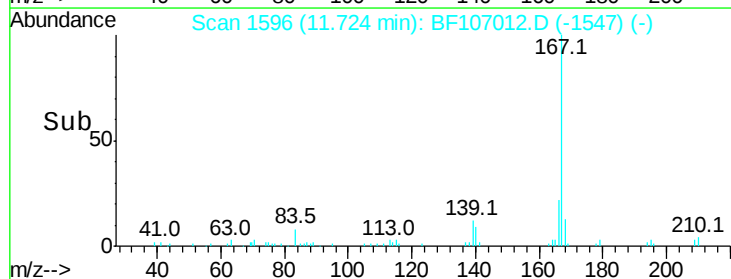
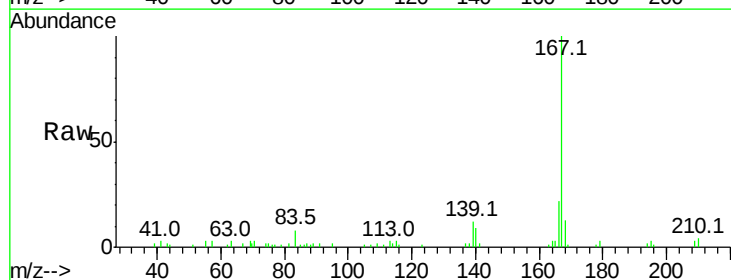
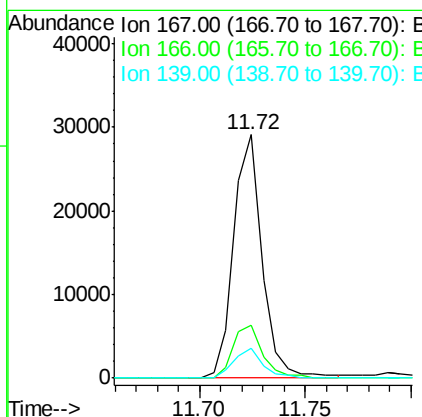
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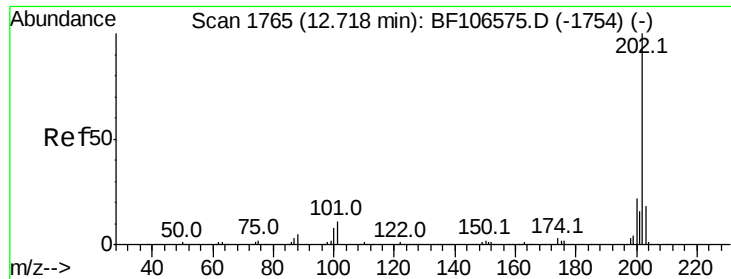
Sohil
 7/2/2018 12:30:02 PM



#72
 Carbazole
 Concen: 2.992 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107012.D
 Acq: 30 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	12.3	10.9	16.3





#74

Fluoranthene

Concen: 47.565 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Instrument :

BNA_F

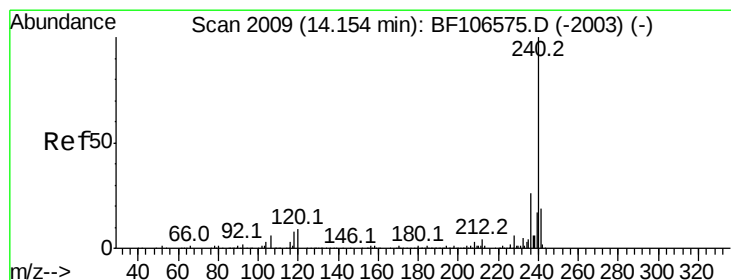
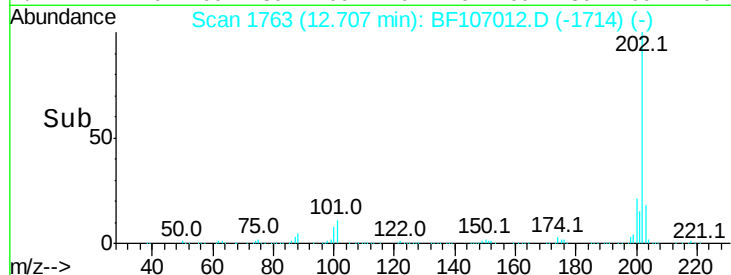
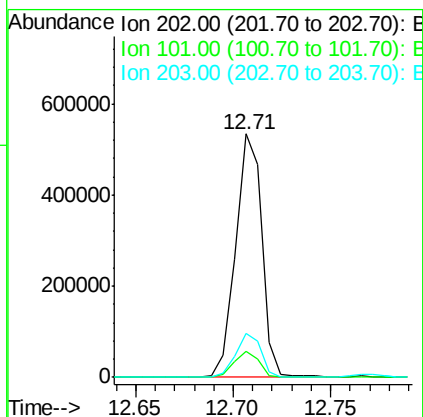
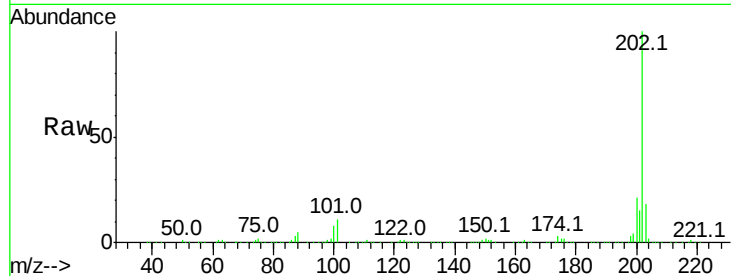
ClientSampleId :

DOCUMENTATION-1

Tot Ion:	202	Resp:	496782
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

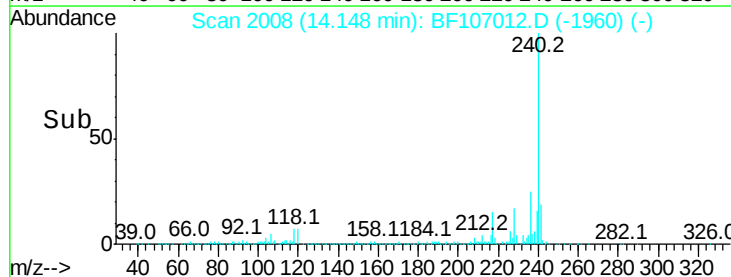
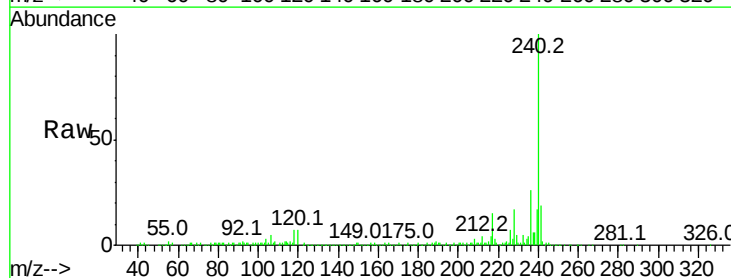
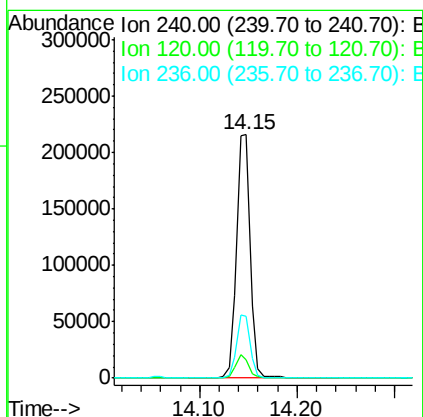
RT: 14.15 min Scan# 2008

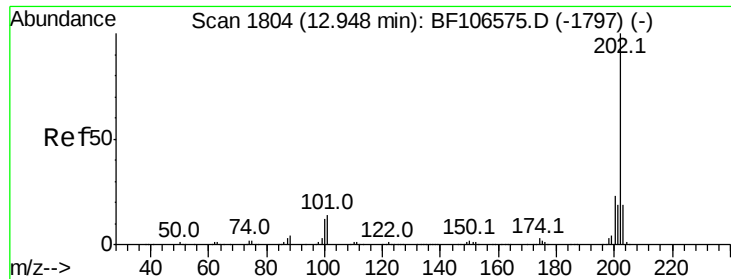
Delta R.T. -0.02 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Tgt Ion:	240	Resp:	211732
Ion Ratio	Lower	Upper	
240	100		
120	7.4	9.5	14.3#
236	25.5	20.7	31.1





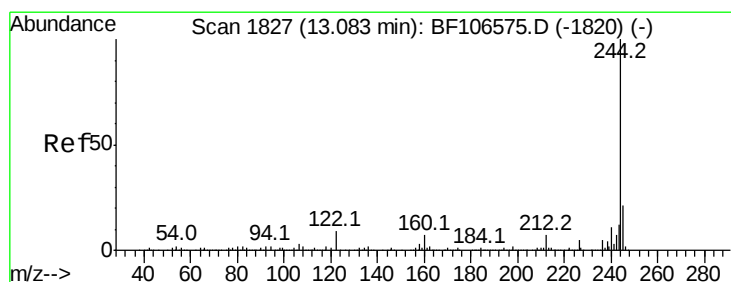
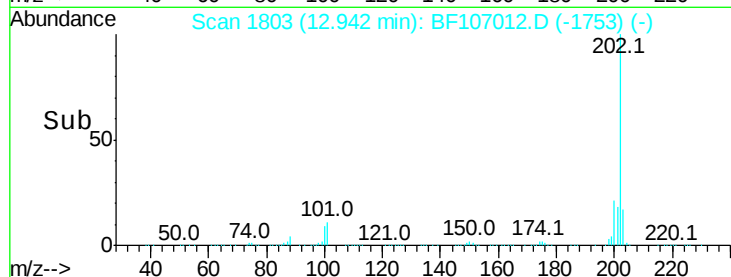
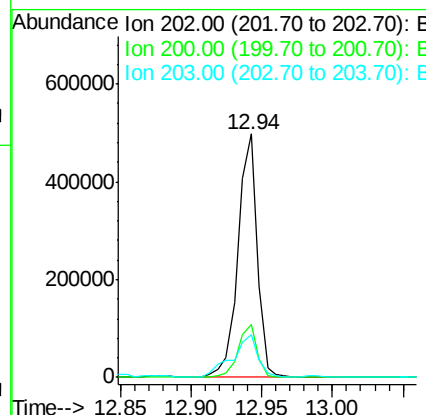
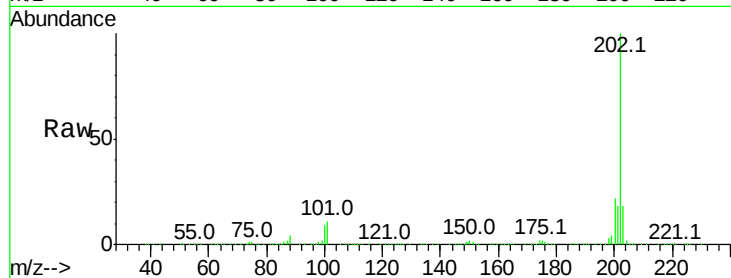
#77
Pvrene
Concen: 33.831 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107012.D
Acq: 30 Jun 2018 14:09

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.6	14.3	21.5

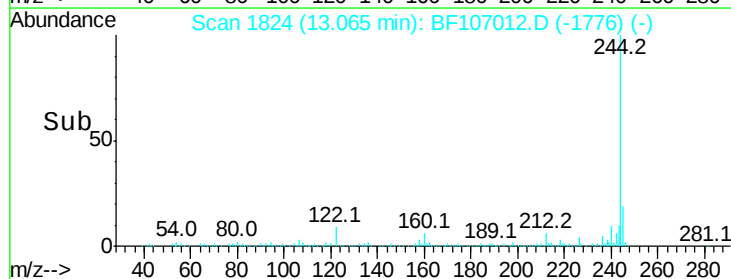
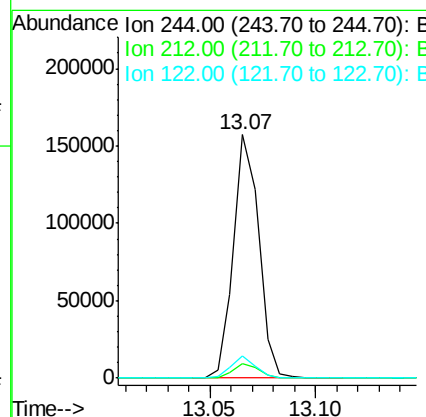
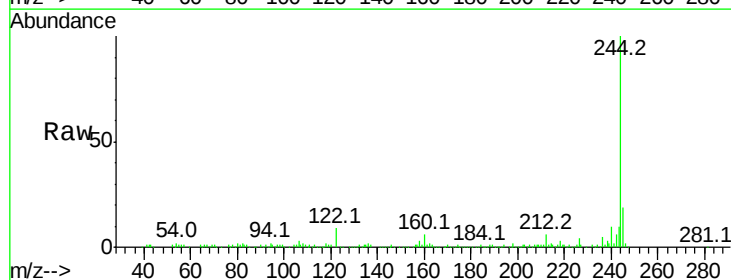
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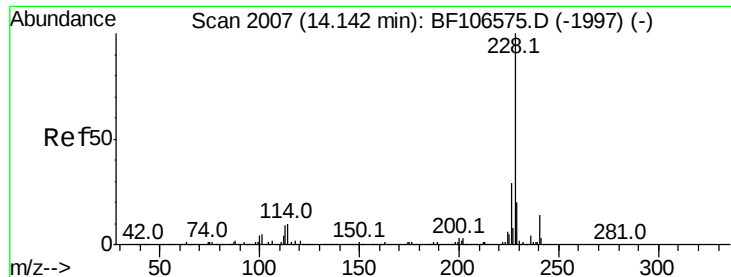
Sohil
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#78
Terphenyl-d14
Concen: 14.850 ng
RT: 13.07 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF107012.D
Acq: 30 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	9.2	11.0	16.4#





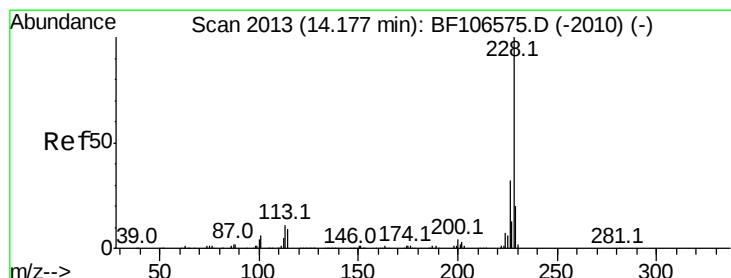
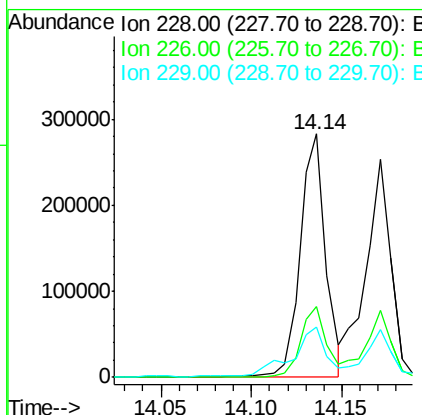
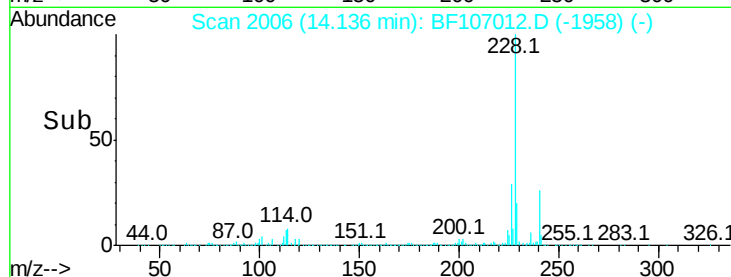
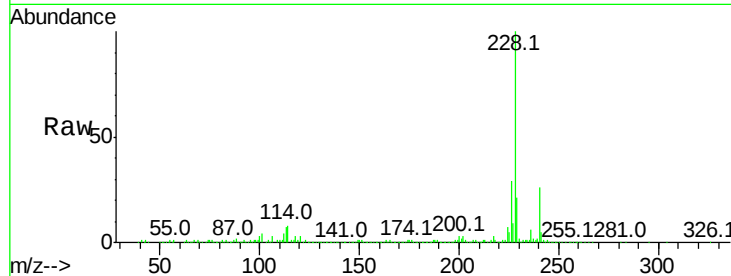
#80
Benzo(a)anthracene
Concen: 21.567 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107012.D
Acq: 30 Jun 2018 14:09

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.6	15.8	23.6

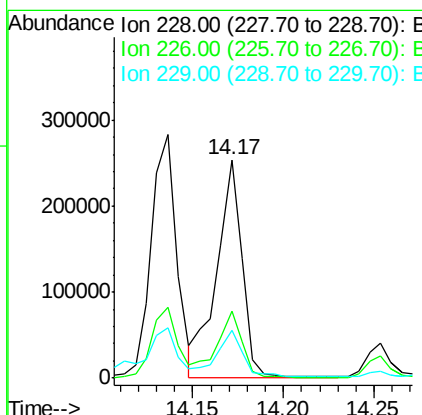
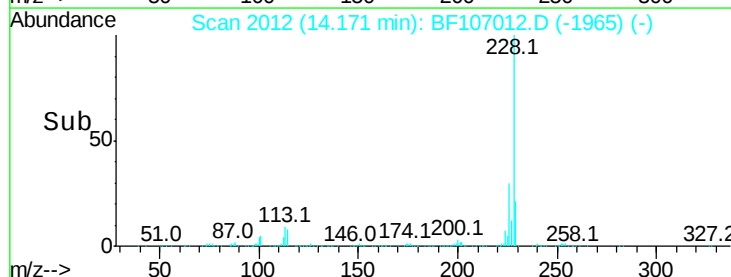
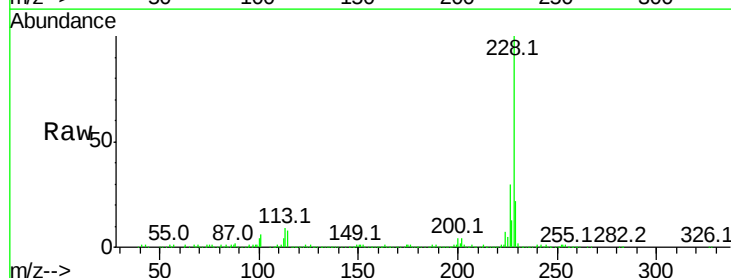
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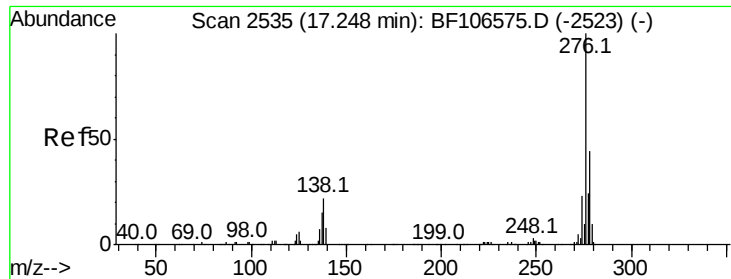
Sohil
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#82
Chrysene
Concen: 20.847 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107012.D
Acq: 30 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.7	16.2	24.4





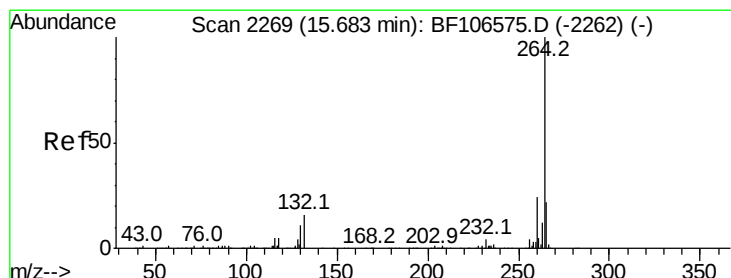
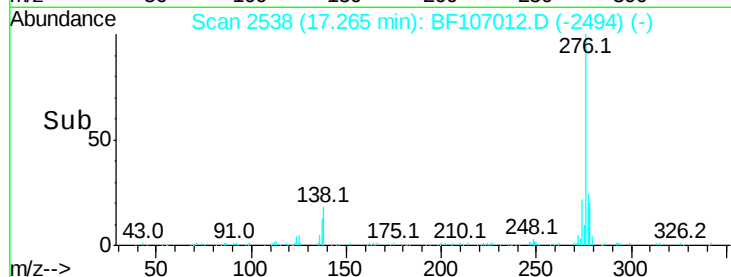
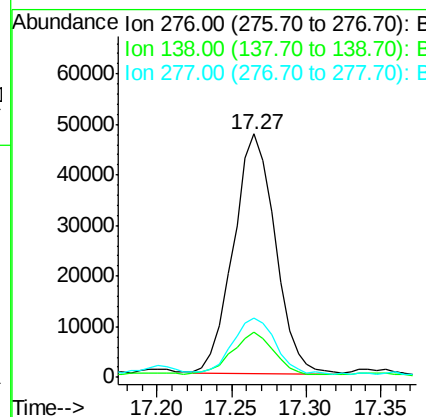
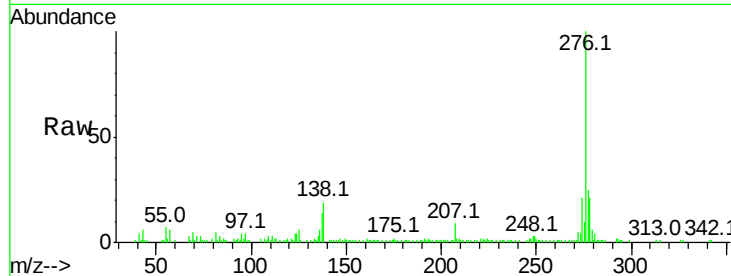
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.150 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.04 min
Lab File: BF107012.D
Acq: 30 Jun 2018 14:09

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	25.0	37.6#
277	24.5	20.1	30.1

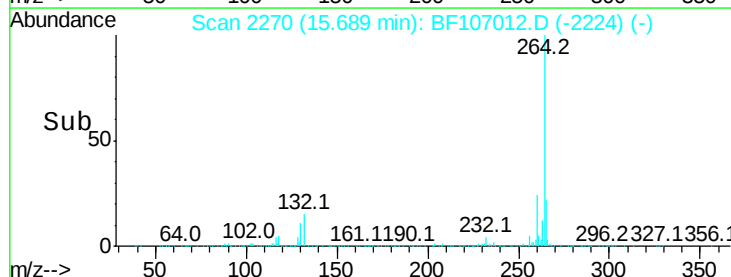
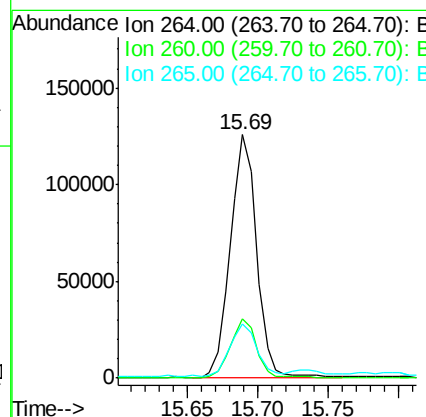
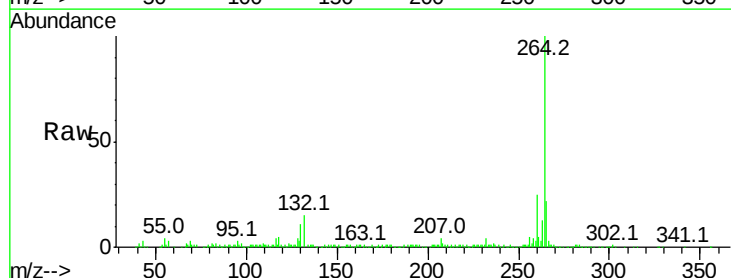
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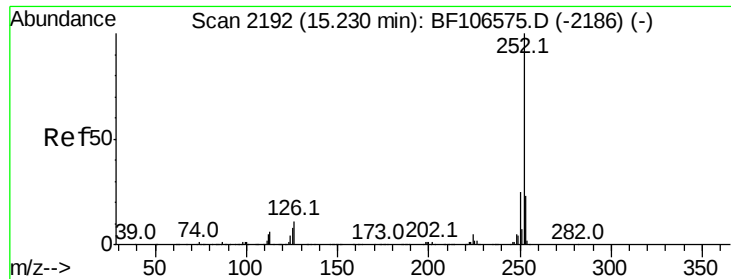
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107012.D
Acq: 30 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 25.916 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Instrument :

BNA_F

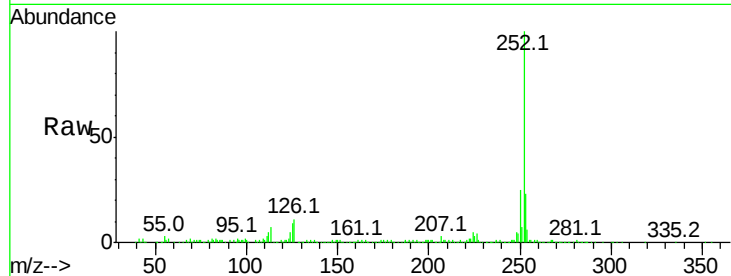
ClientSampleId :

DOCUMENTATION-1

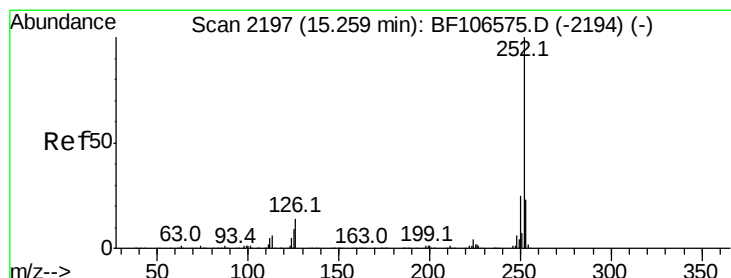
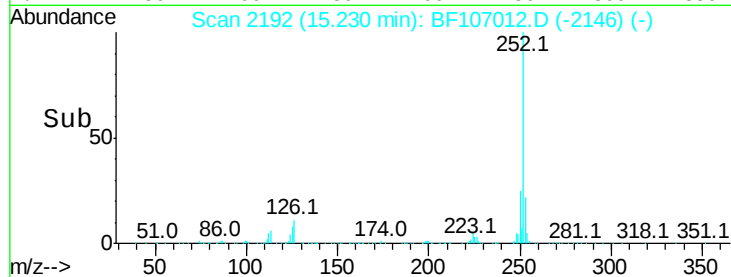
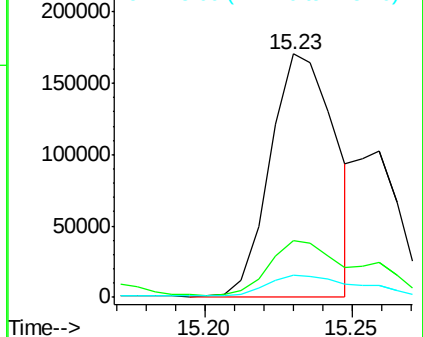
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	8.8	9.0	13.6#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 10.912 ng m

RT: 15.26 min Scan# 2197

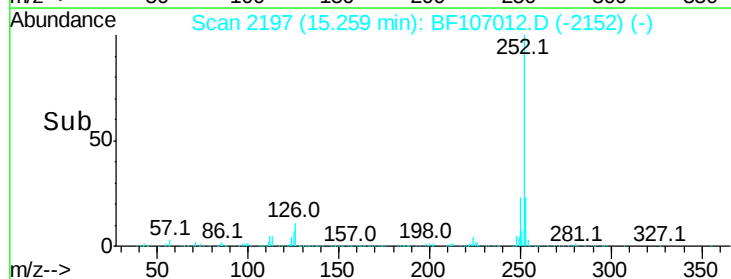
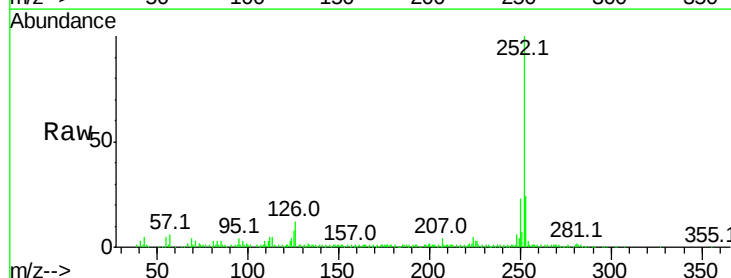
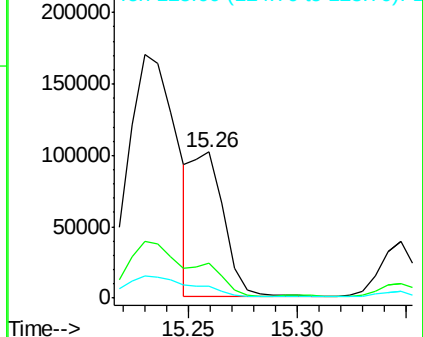
Delta R.T. -0.04 min

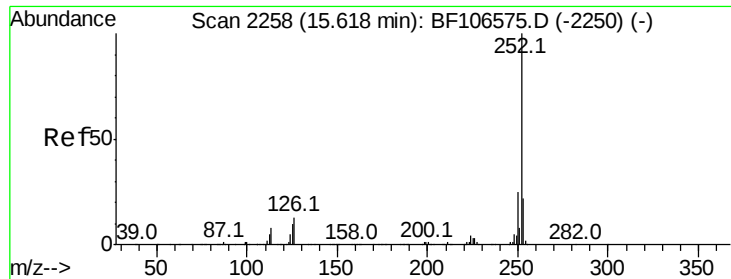
Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	8.3	10.2	15.2#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 20.747 ng/mL

RT: 15.62 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Instrument :

BNA_F

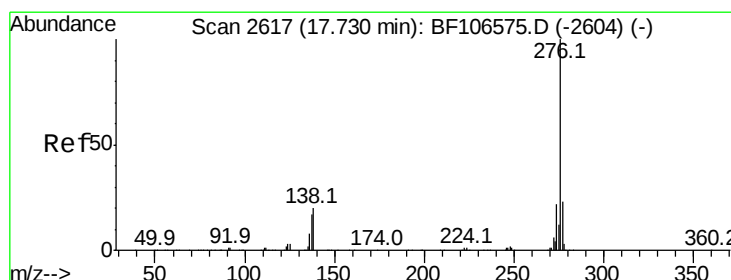
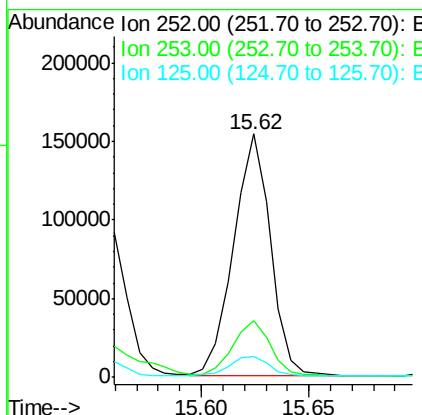
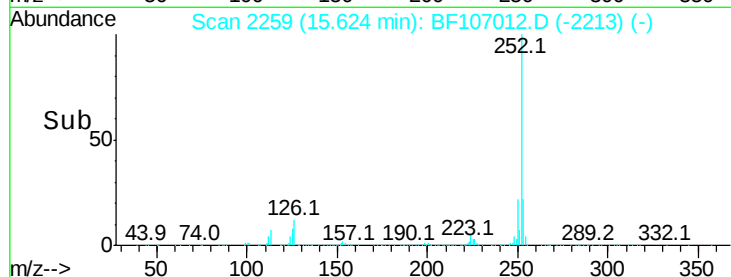
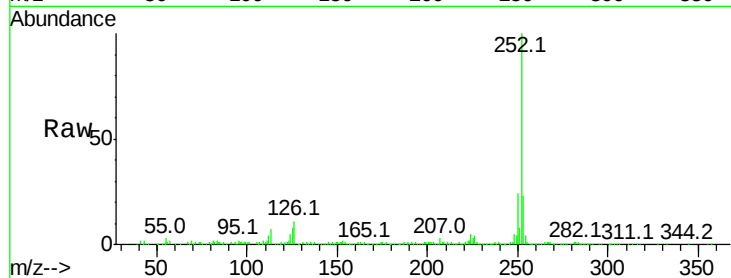
ClientSampleId :

DOCUMENTATION-1

Tot Ion:	252	Resp:	185742
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	8.4	9.8	14.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 12.633 ng/mL

RT: 17.75 min Scan# 2620

Delta R.T. -0.04 min

Lab File: BF107012.D

Acq: 30 Jun 2018 14:09

Tgt Ion:	276	Resp:	93681
Ion Ratio	Lower	Upper	
276	100		
277	25.6	17.9	26.9
138	19.4	21.8	32.8

