

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107074.D
 Acq On : 3 Jul 2018 11:33
 Operator : JU/SJ
 Sample : J3600-02 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-2

Manual Integrations
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 7/5/2018 4:29:35 PM

Quant Time: Jul 04 04:06:15 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	68369	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	263443	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	125175	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	215468	20.00	ng	0.00
75) Chrysene-d12	14.15	240	197870	20.00	ng	-0.01
86) Perylene-d12	15.70	264	169680	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	184763	45.76	ng	0.00
7) Phenol-d6	6.60	99	226539	44.93	ng	-0.01
23) Nitrobenzene-d5	7.52	82	137832	29.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	49895	34.39	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	280381	28.03	ng	-0.02
78) Terphenyl-d14	13.07	244	261488	32.01	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.86	152	35043	2.827	ng	99
49) Dimethylphthalate	9.70	163	27963	2.979	ng	# 98
70) Phenanthrene	11.52	178	128029	12.319	ng	98
71) Anthracene	11.57	178	43742	4.124	ng	99
74) Fluoranthene	12.71	202	257751	22.502	ng	95
77) Pyrene	12.95	202	251307	19.260	ng	99
80) Benzo(a)anthracene	14.14	228	151125	12.531	ng	95
82) Chrysene	14.18	228	133336	12.018	ng	97
83) Bis(2-ethylhexyl)phthalate	14.10	149	32023	4.669	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.29	276	70216m	7.458	ng	
87) Benzo(b)fluoranthene	15.24	252	194414m	18.445	ng	
88) Benzo(k)fluoranthene	15.27	252	55927m	5.572	ng	
89) Benzo(a)pyrene	15.64	252	126974m	13.551	ng	
90) Dibenzo(a,h)anthracene	17.29	278	18764m	2.363	ng	
91) Benzo(a,h,i)perylene	17.78	276	72348	9.321	ng	# 87

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

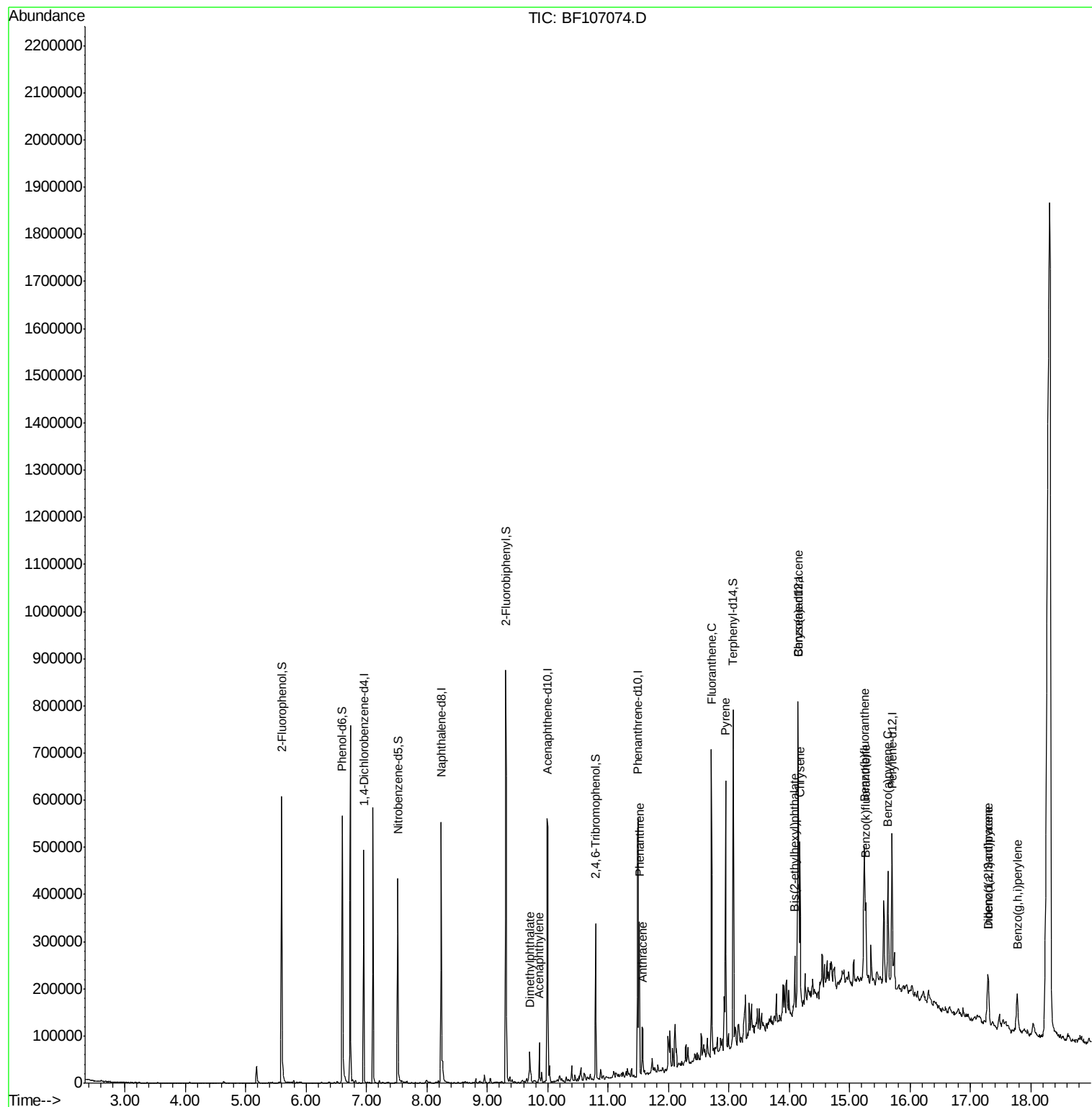
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107074.D
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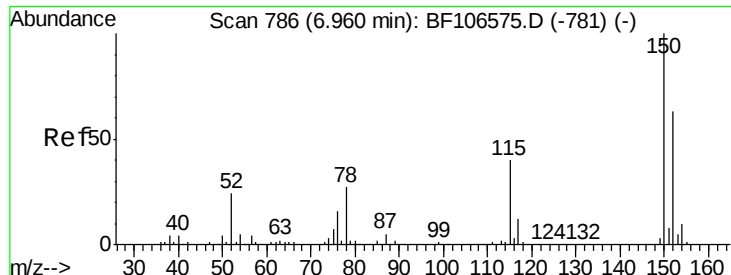
Instrument :
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#1

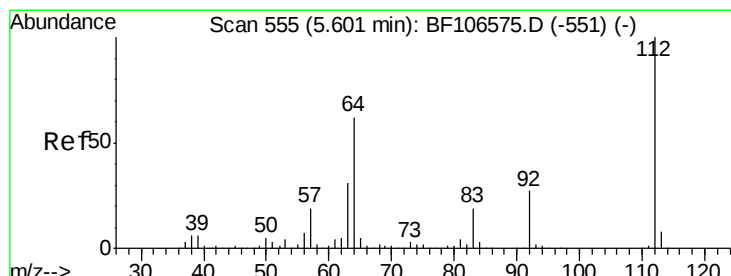
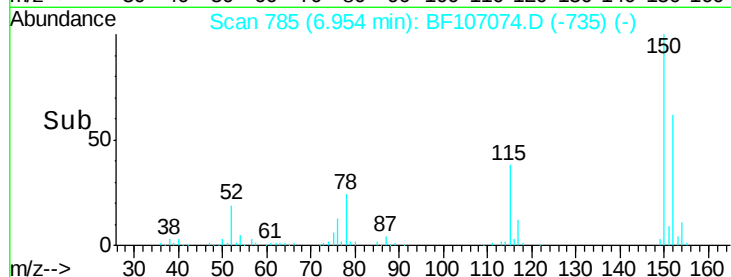
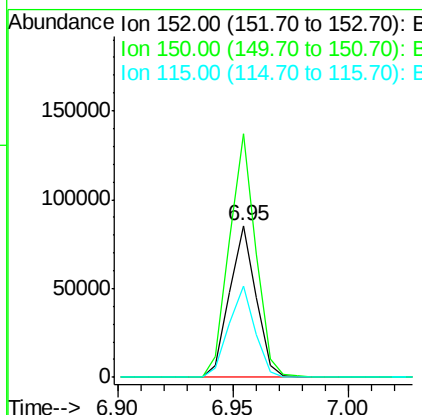
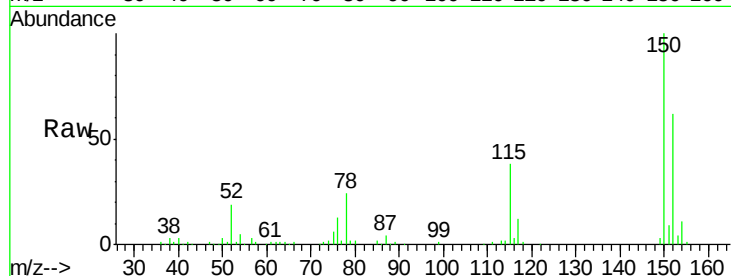
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	60.5	50.1	75.1

Manual Integrations
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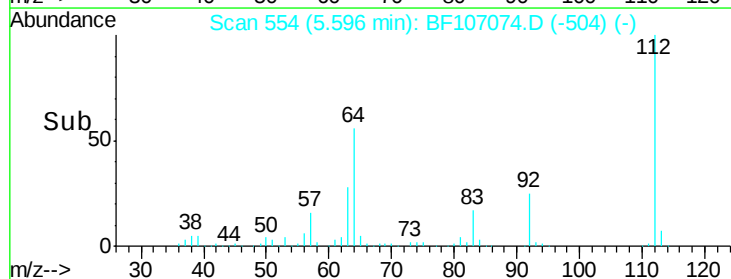
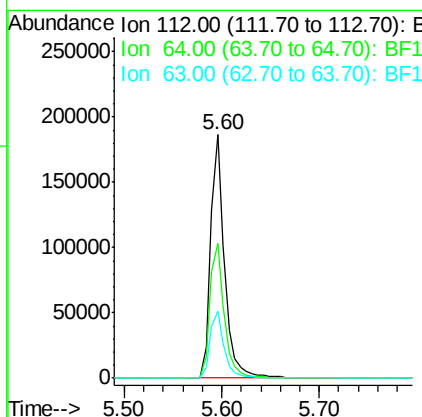
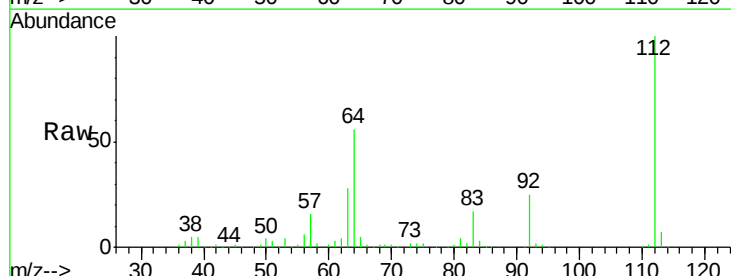
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#5

2-Fluorophenol
Concen: 45.761 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 44.929 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_F

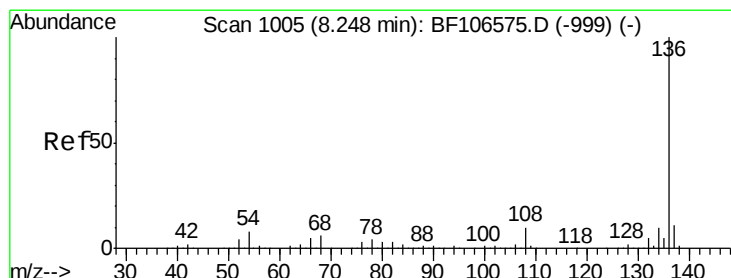
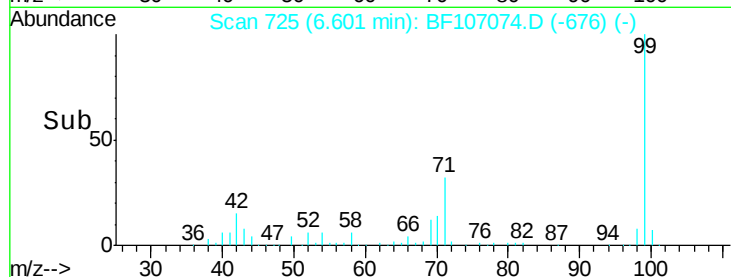
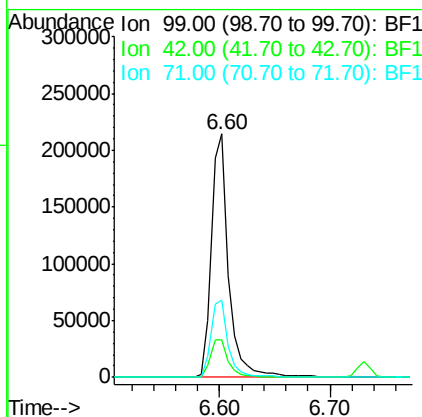
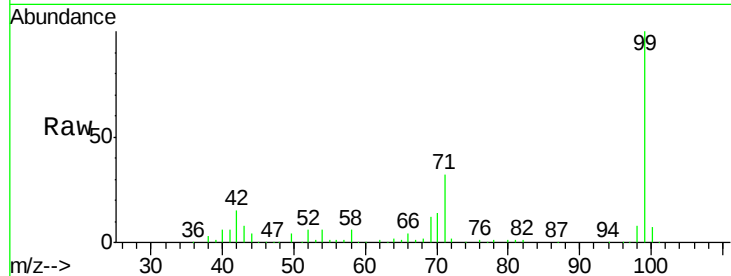
ClientSampleId :

DOCUMENTATION-2

Tot Ion:	99	Resp:	226539
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	31.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

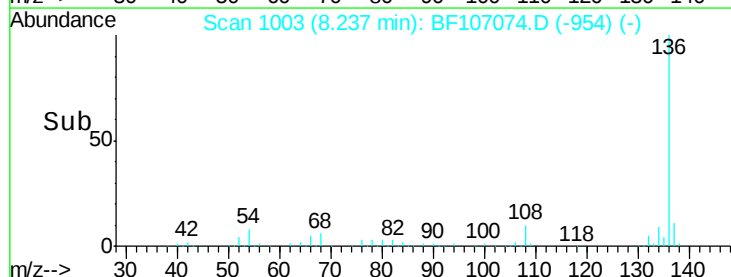
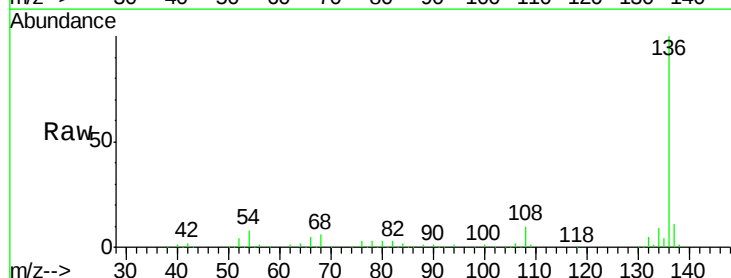
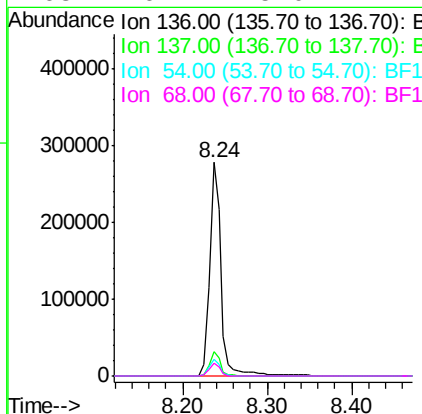
RT: 8.24 min Scan# 1003

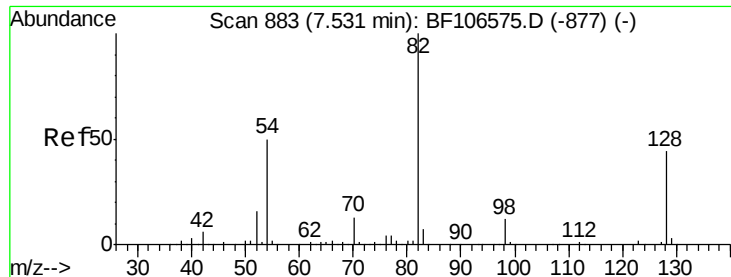
Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Tgt Ion:	136	Resp:	263443
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.0	6.6	9.8
68	6.2	5.0	7.4





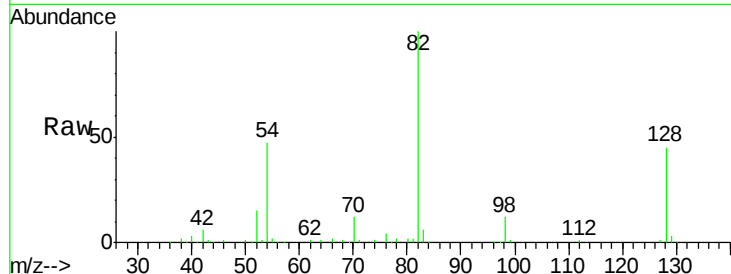
#23
Nitrobenzene-d5
Concen: 29.076 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

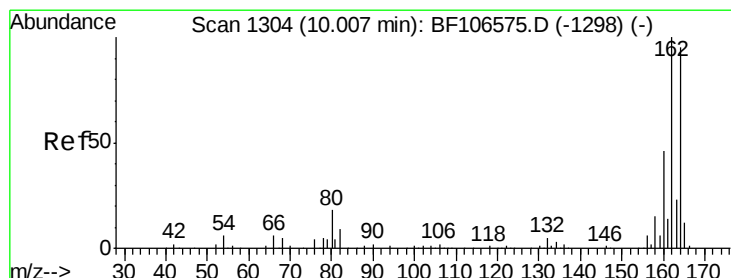
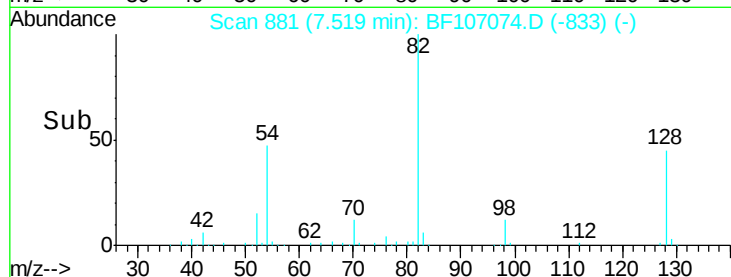
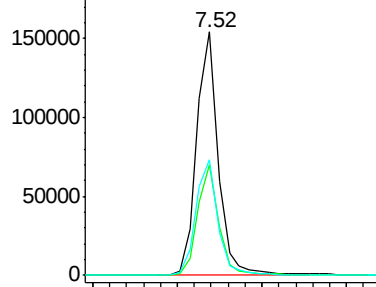
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	47.4	41.4	62.2

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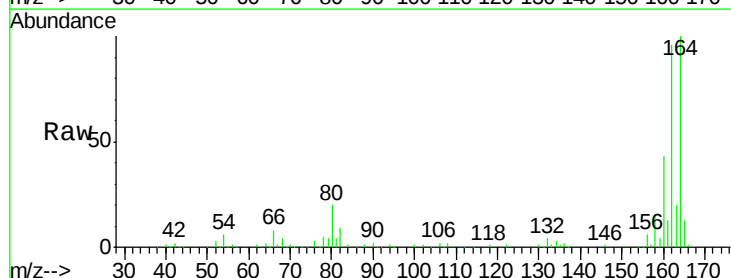


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

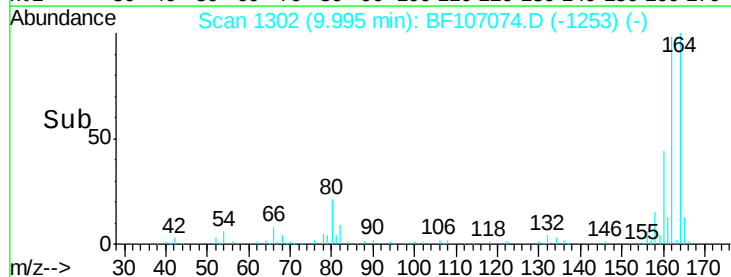
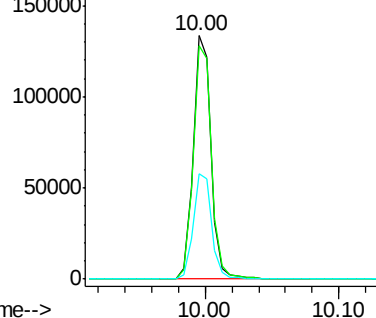


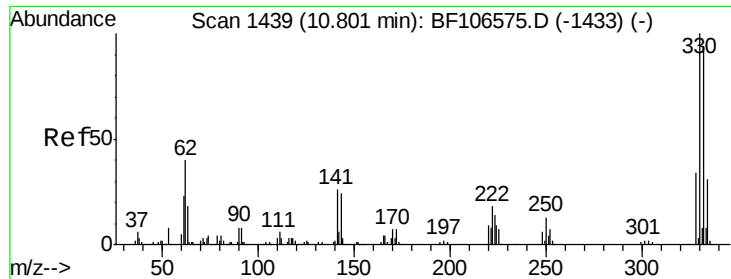
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.0	86.1	129.1
160	43.2	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





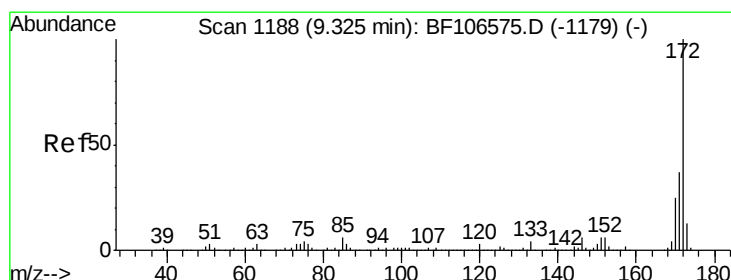
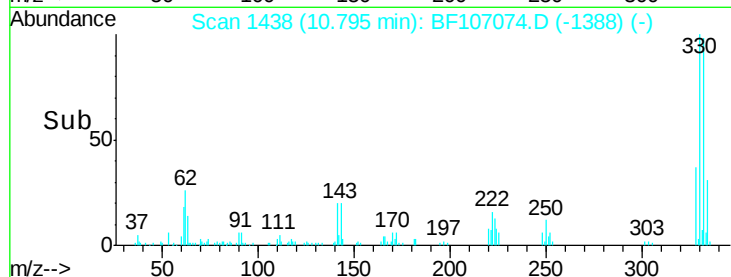
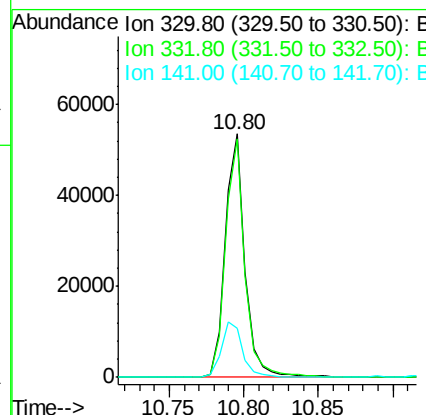
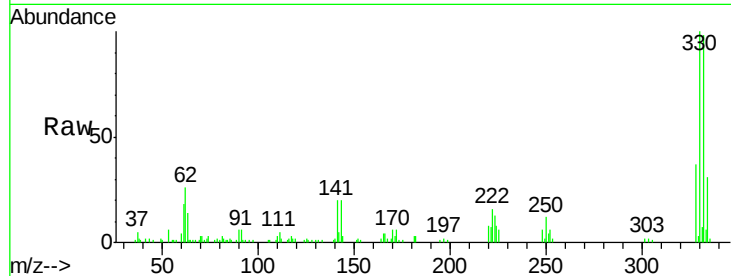
#41
 2,4,6-Tribromophenol
 Concen: 34.391 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.0	115.6	
141	24.2	29.9	44.9	

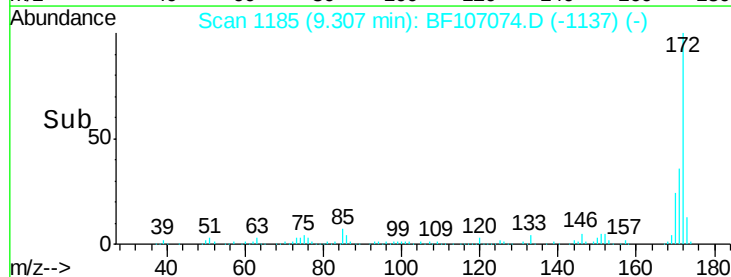
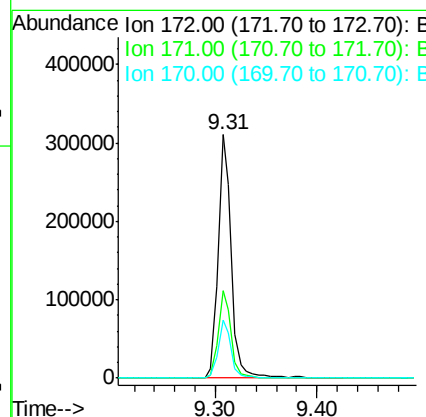
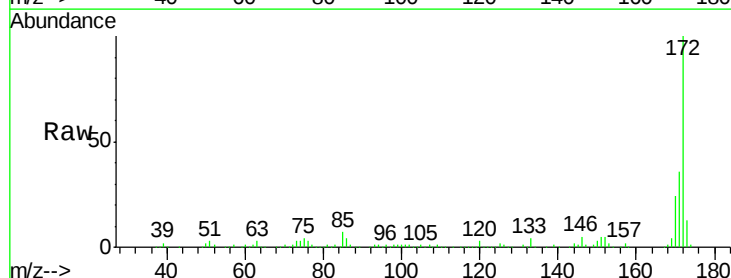
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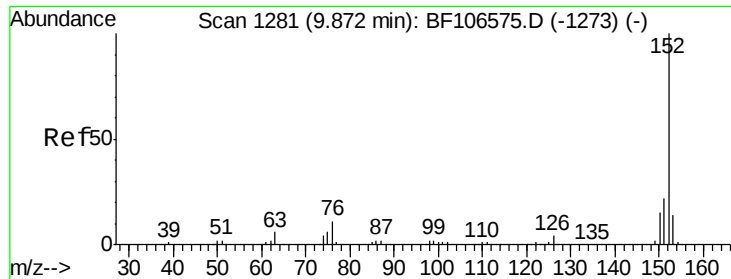
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#44
 2-Fluorobiphenyl
 Concen: 28.026 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	23.8	19.6	29.4	





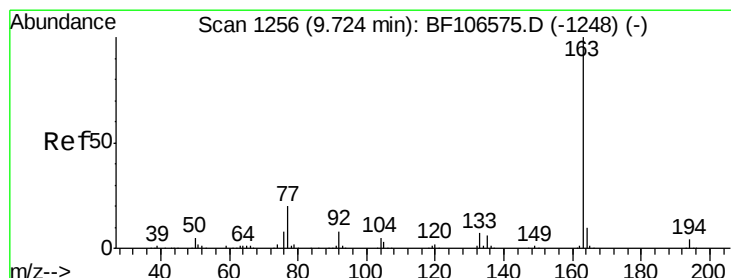
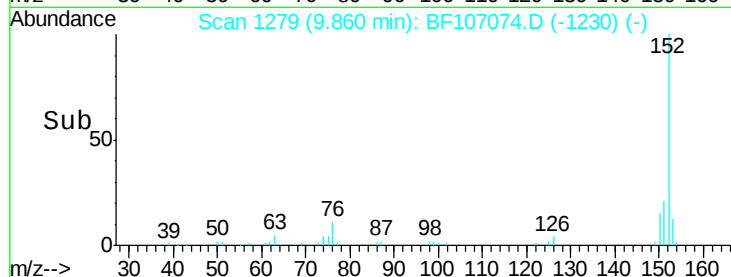
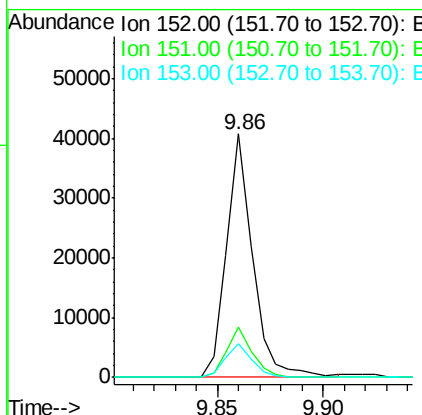
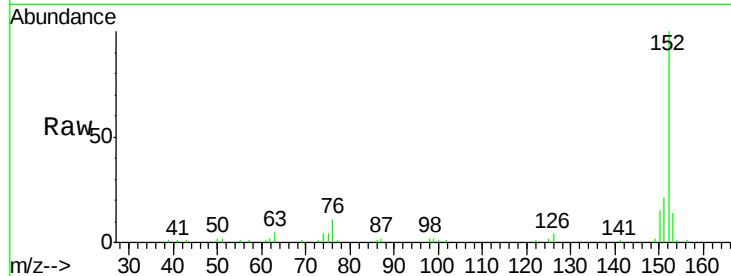
#48
Acenaphthylene
Concen: 2.827 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.9	10.7	16.1

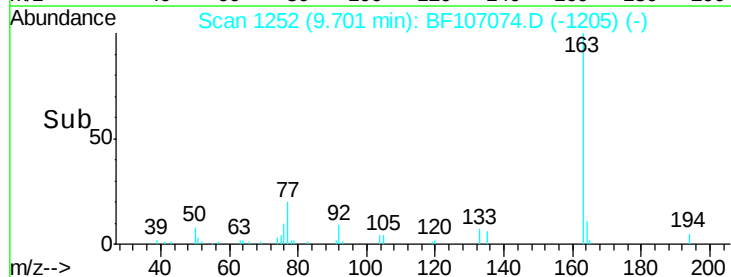
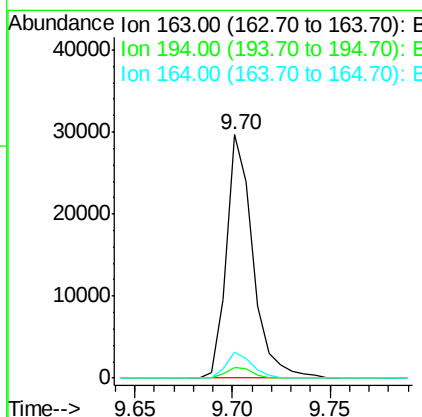
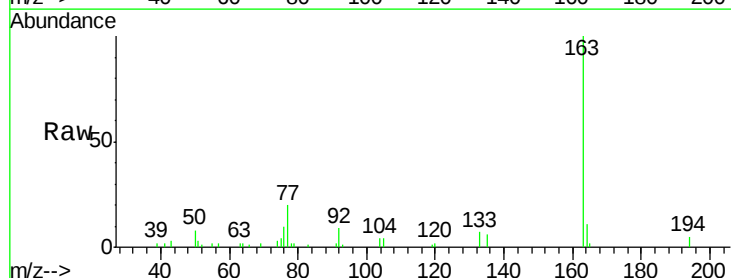
Manual Integrations
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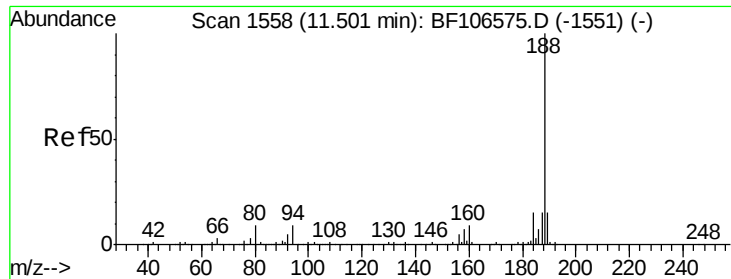
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#49
Dimethylphthalate
Concen: 2.979 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.7	4.1#
164	10.8	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_F

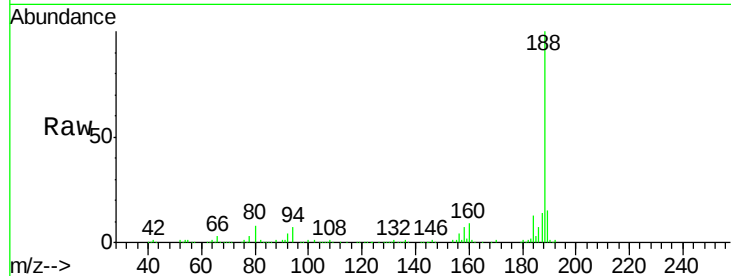
ClientSampleId :

DOCUMENTATION-2

Tot Ion:	188	Resp:	215468
Ion Ratio	Lower	Upper	
188	100		
94	7.4	8.5	12.7#
80	8.3	9.2	13.8#

Manual Integrations
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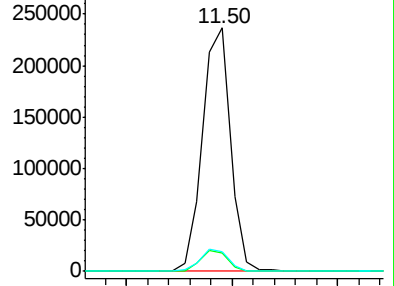
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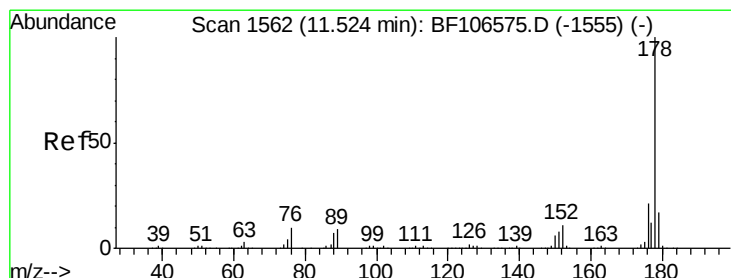
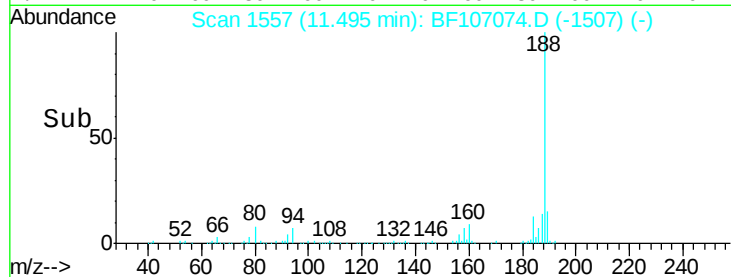
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#70

Phenanthrene

Concen: 12.319 ng

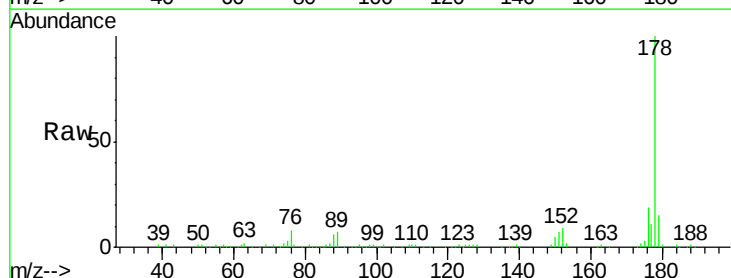
RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

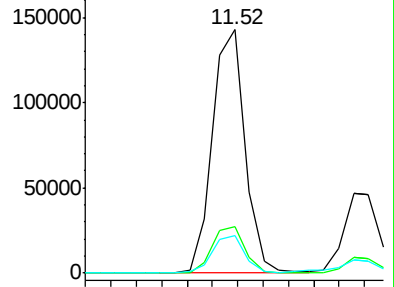
Tgt Ion:	178	Resp:	128029
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.4	13.0	19.6



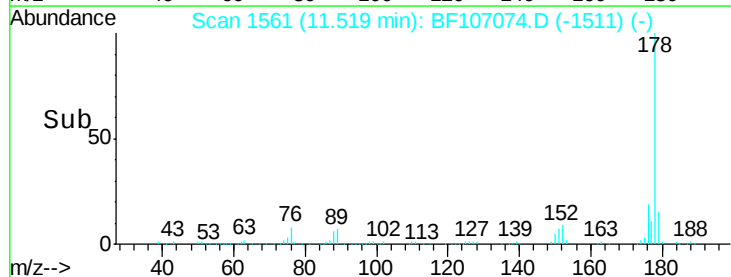
Abundance Ion 178.00 (177.70 to 178.70): E

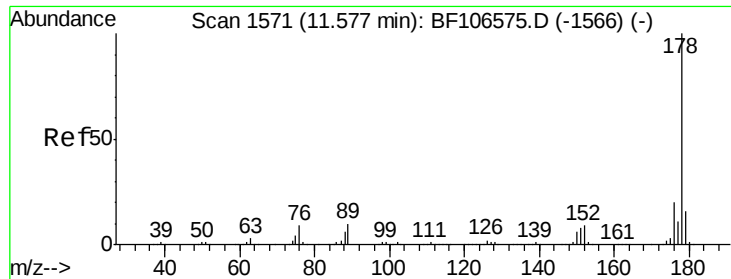
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





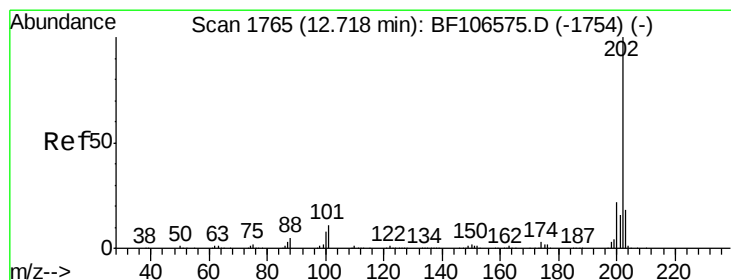
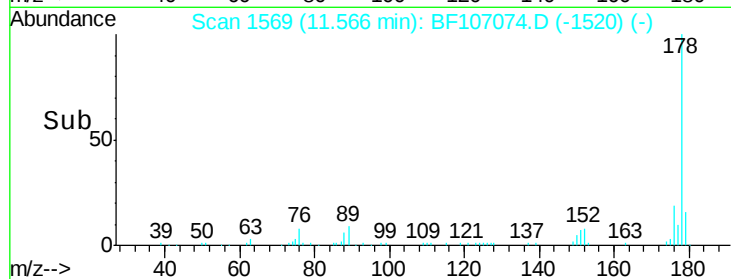
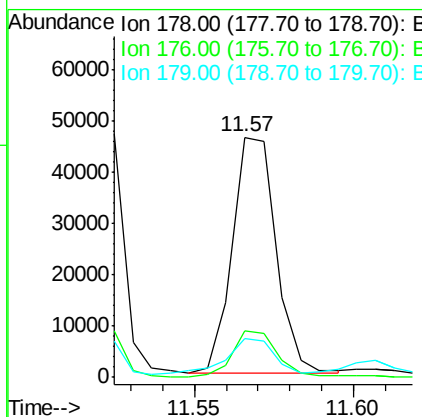
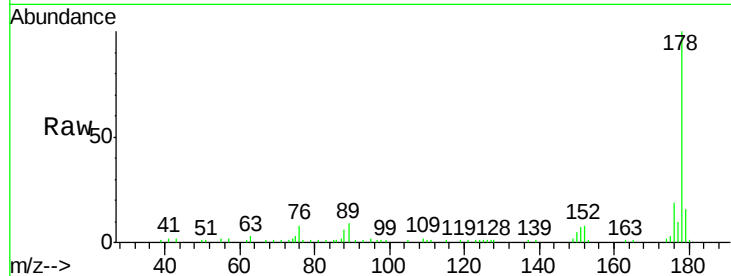
#71
 Anthracene
 Concen: 4.124 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.3	12.6	19.0

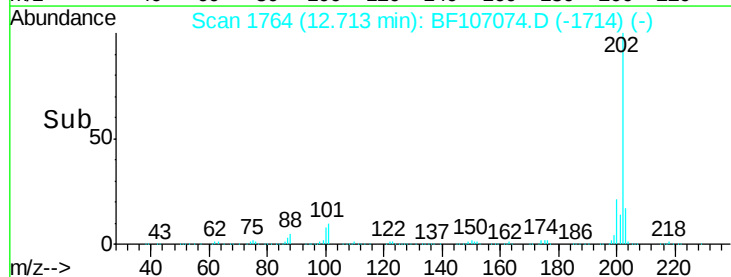
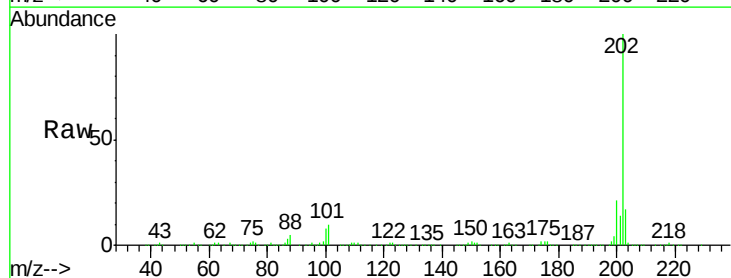
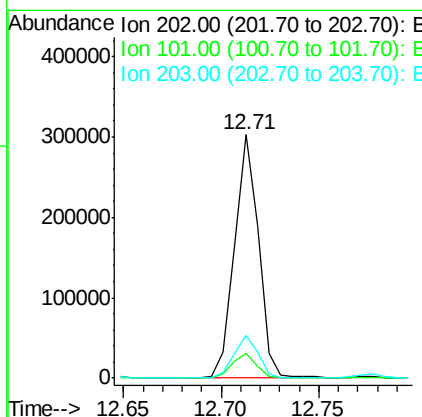
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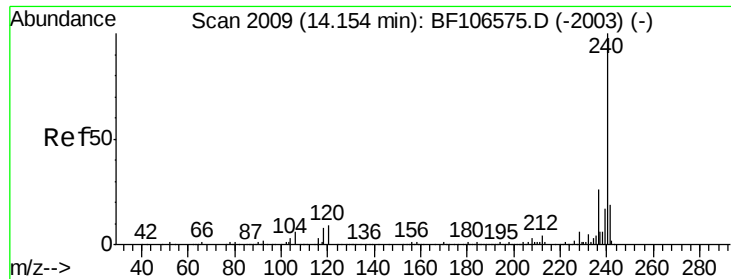
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#74
 Fluoranthene
 Concen: 22.502 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_F

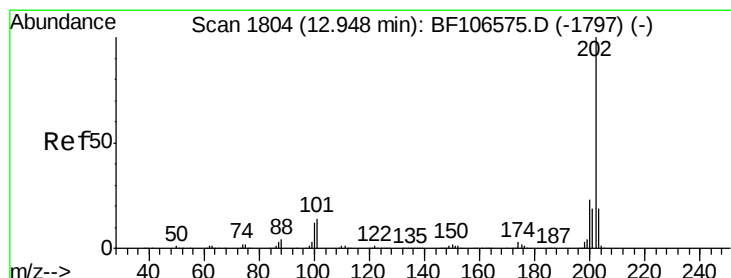
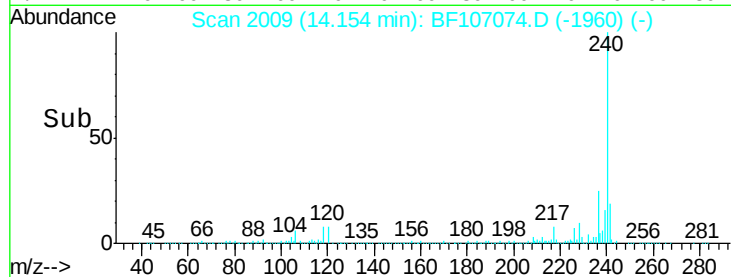
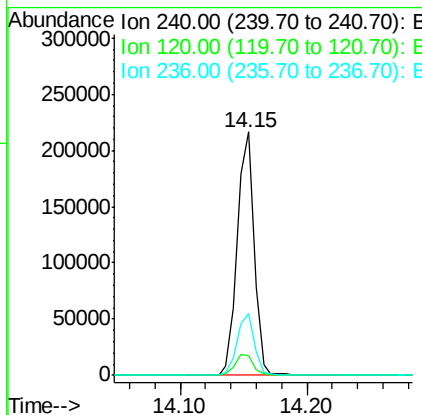
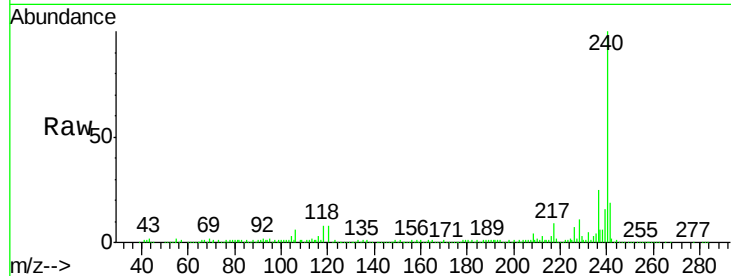
ClientSampleId :

DOCUMENTATION-2

Tot Ion:	240	Resp:	197870
Ion Ratio	Lower	Upper	
240	100		
120	8.2	9.5	14.3#
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 19.260 ng

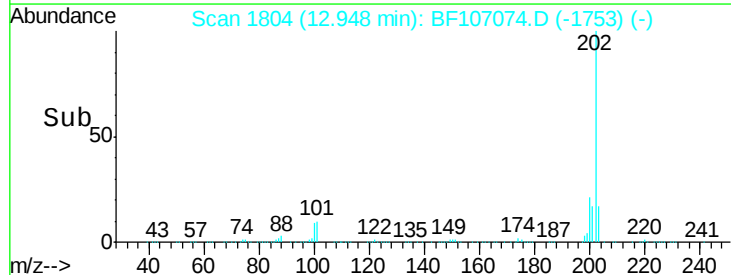
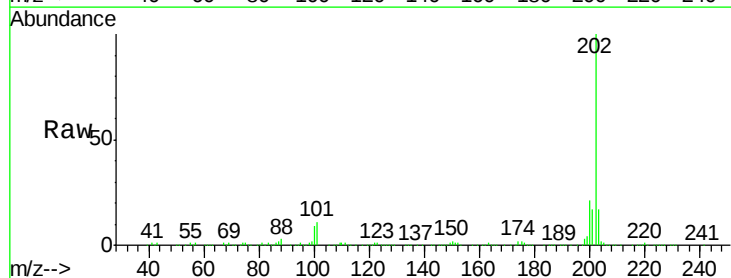
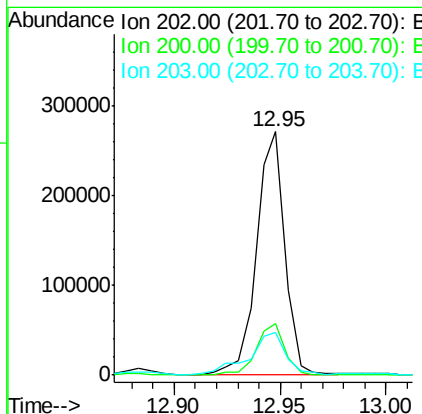
RT: 12.95 min Scan# 1804

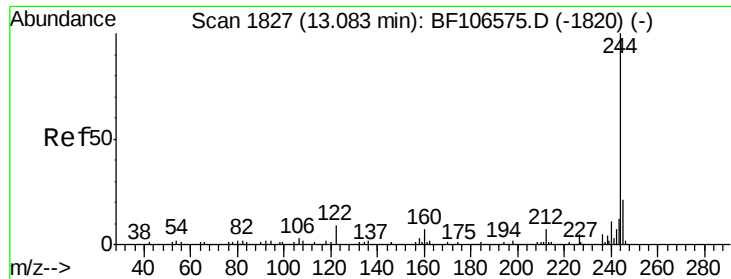
Delta R.T. 0.00 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Tgt Ion:	202	Resp:	251307
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 32.011 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_F

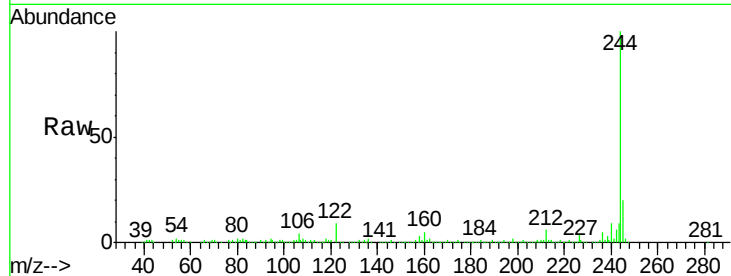
ClientSampleId :

DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.5	11.0	16.4

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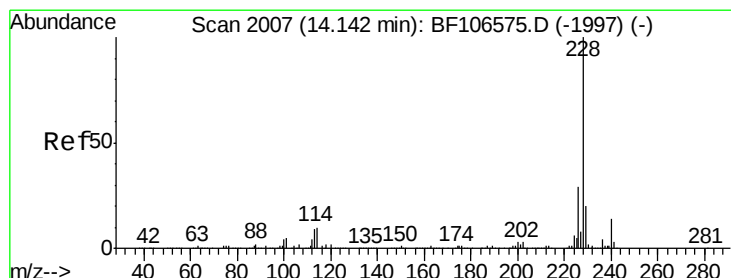
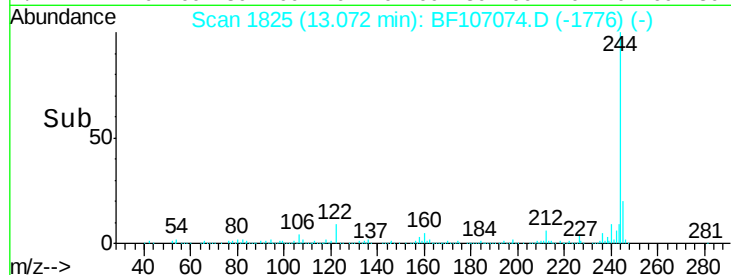
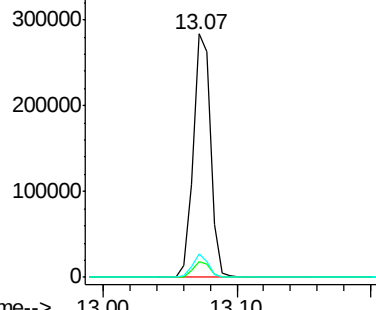
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 12.531 ng

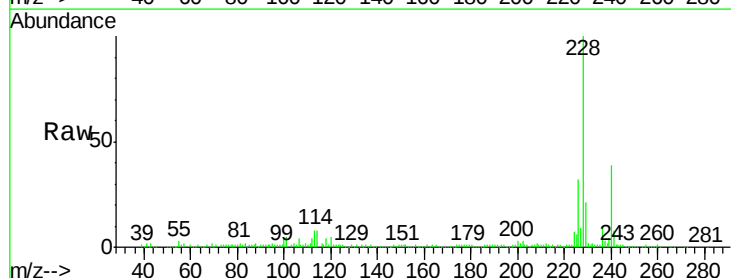
RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

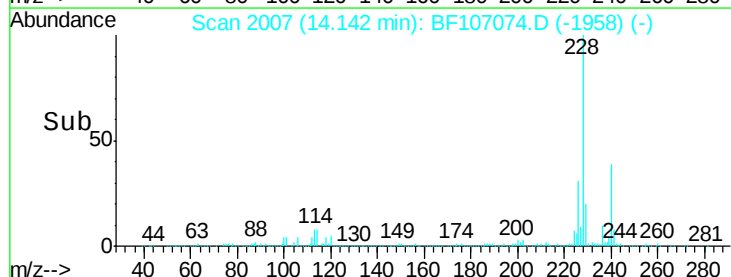
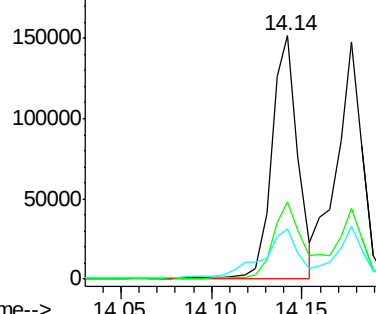
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	20.6	15.8	23.6

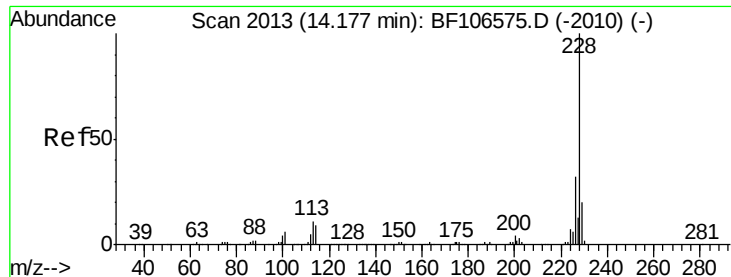


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.018 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_F

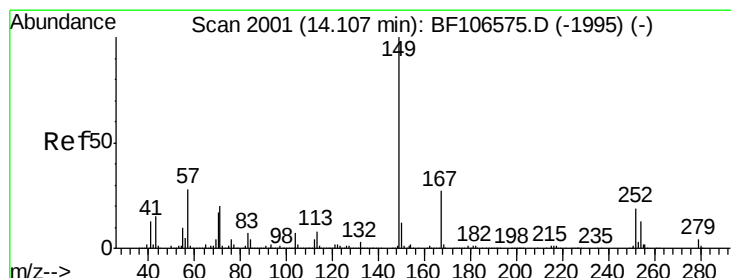
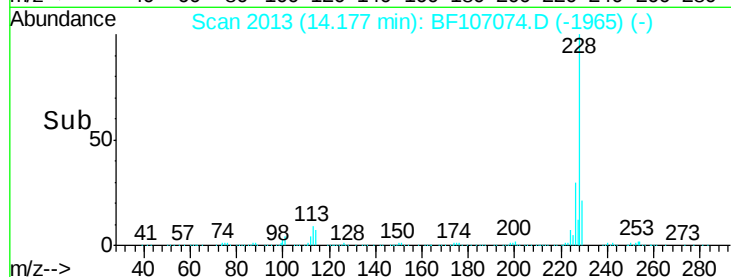
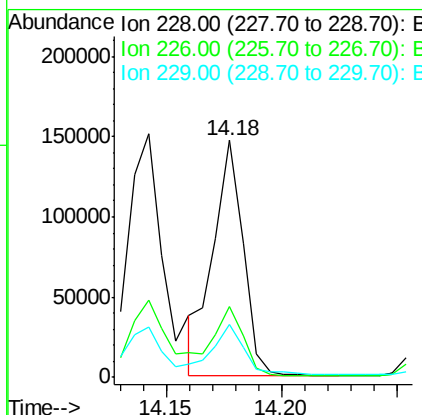
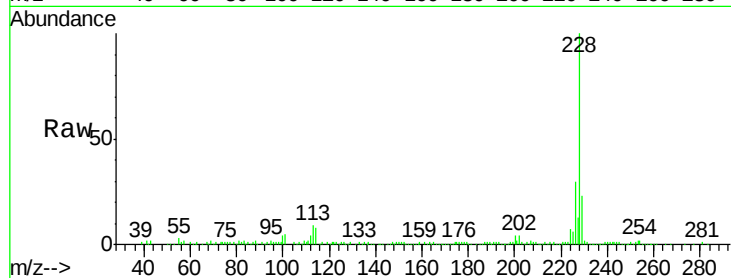
ClientSampleId :

DOCUMENTATION-2

Tot Ion:	228	Resp:	133336
Ion Ratio		Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.5	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 4.669 ng

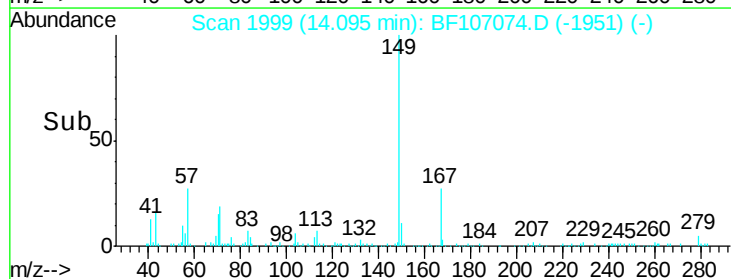
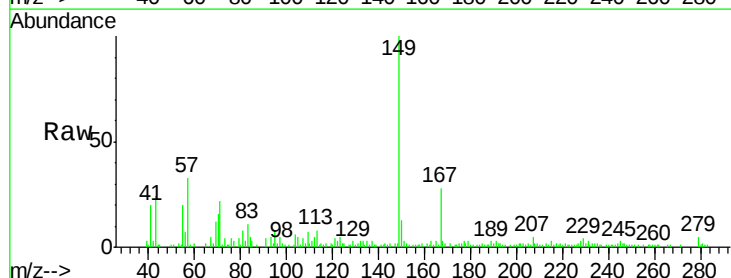
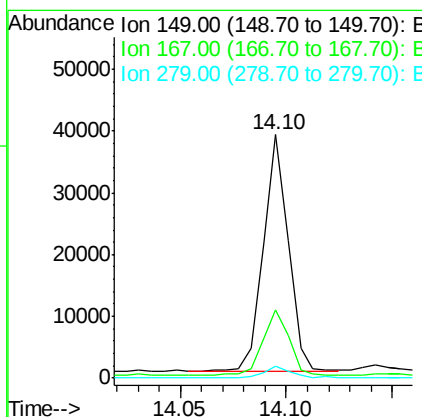
RT: 14.10 min Scan# 1999

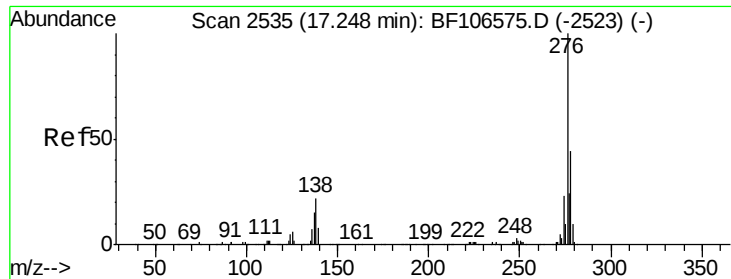
Delta R.T. -0.02 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Tgt Ion:	149	Resp:	32023
Ion Ratio		Lower	Upper
149	100		
167	28.0	21.3	31.9
279	4.8	3.0	4.4#





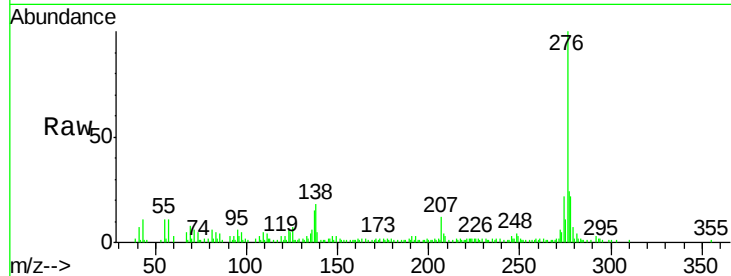
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.458 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

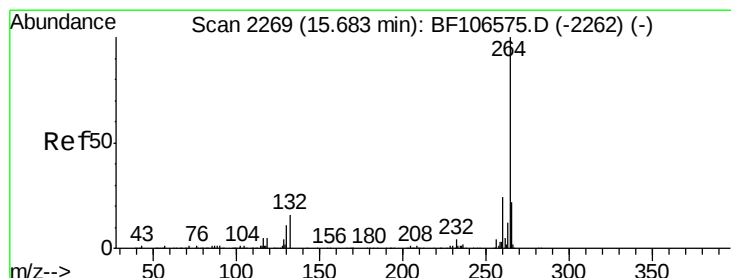
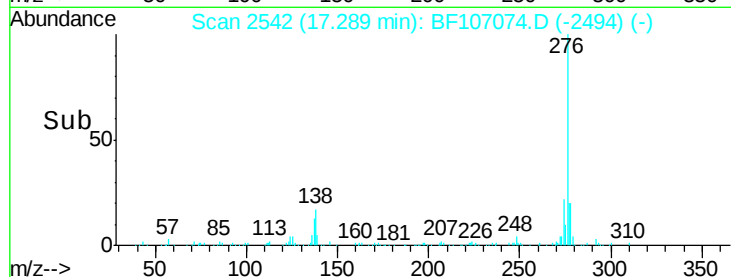
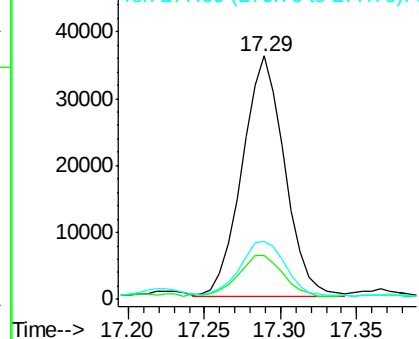
Tot Ion	Ratio	Lower	Upper
276	100		
138	1.4	25.0	37.6#
277	1.4	20.1	30.1#

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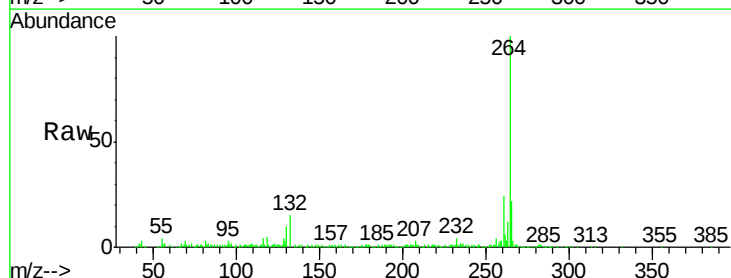


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

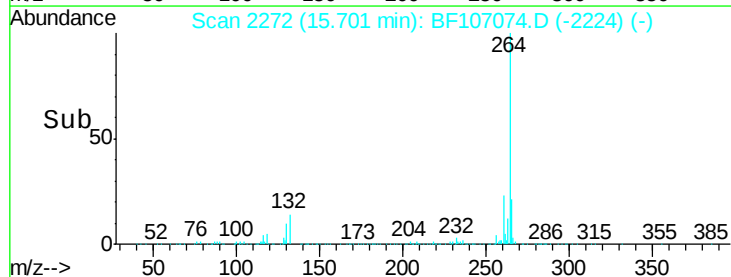
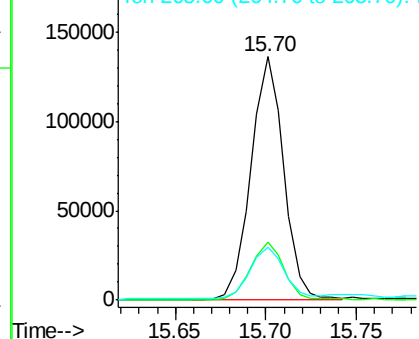


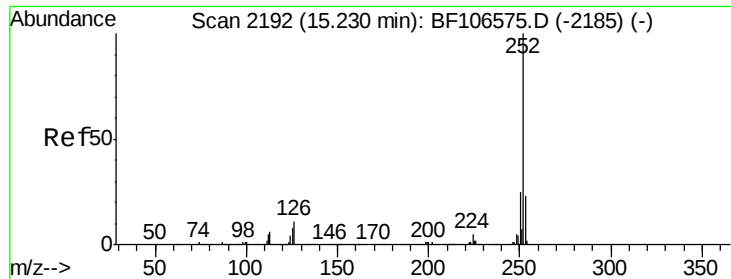
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.445 ng m

RT: 15.24 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_F

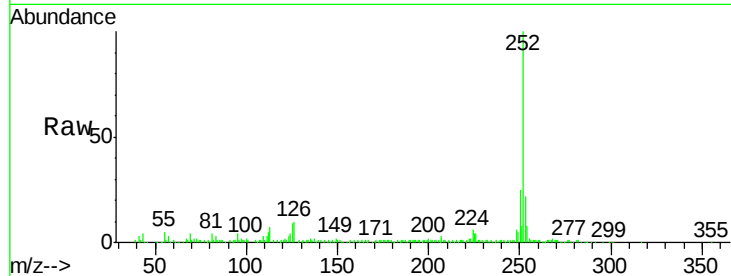
ClientSampleId :

DOCUMENTATION-2

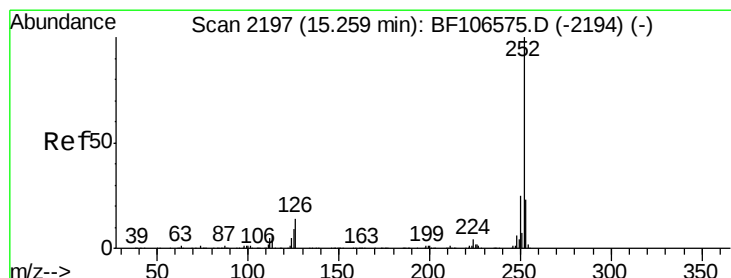
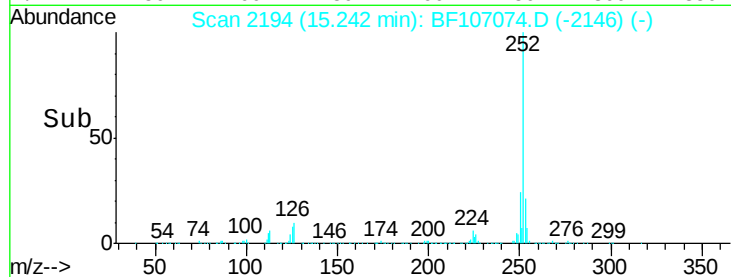
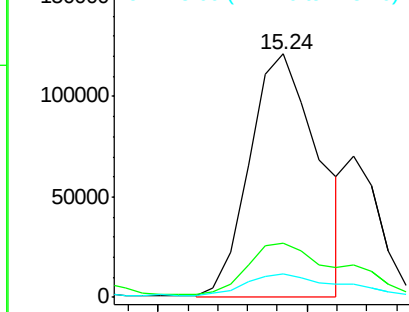
Tot Ion:	252	Resp:	194414
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	9.4	9.0	13.6

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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: 5.572 ng m

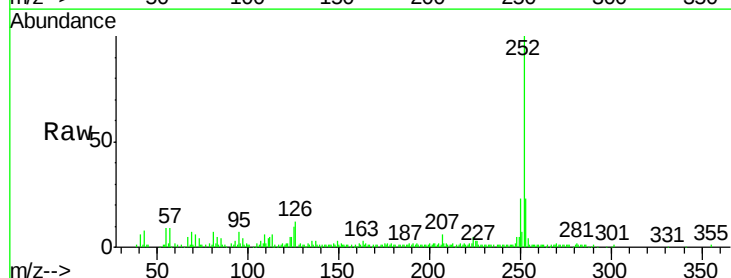
RT: 15.27 min Scan# 2198

Delta R.T. -0.03 min

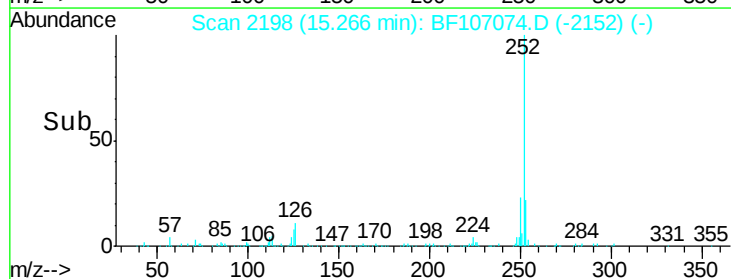
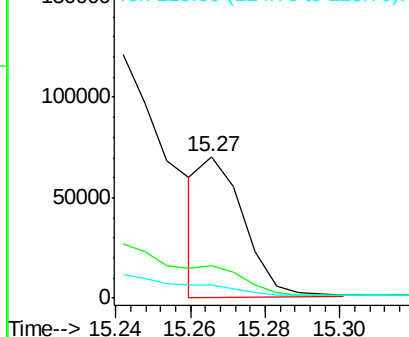
Lab File: BF107074.D

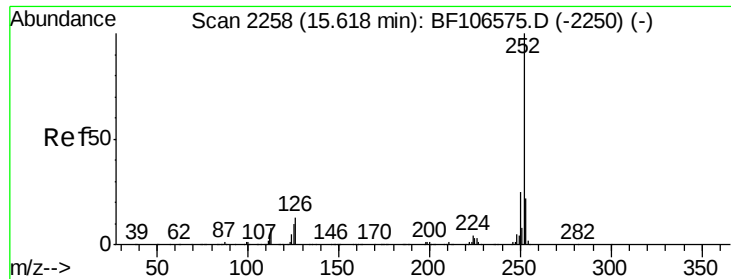
Acq: 3 Jul 2018 11:33

Tgt Ion:	252	Resp:	55927
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	9.6	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





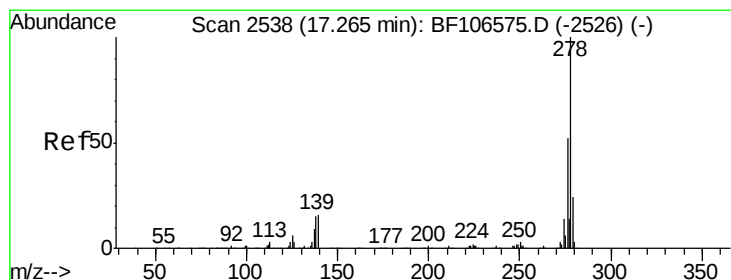
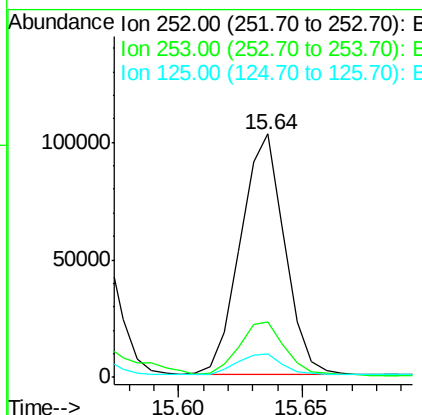
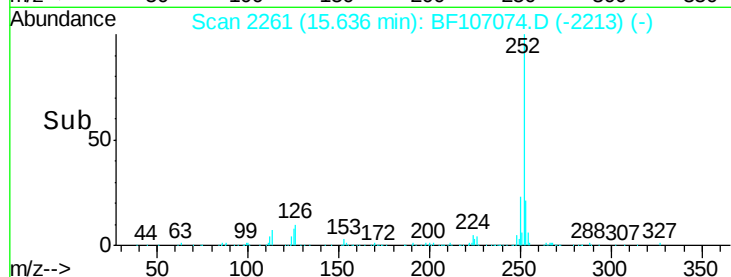
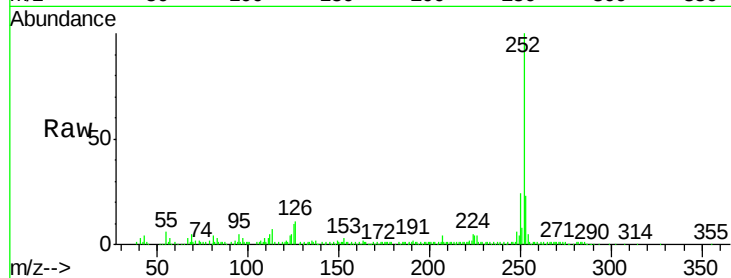
#89
Benzo(a)pyrene
Concen: 13.551 ng m
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	9.6	9.8	14.6

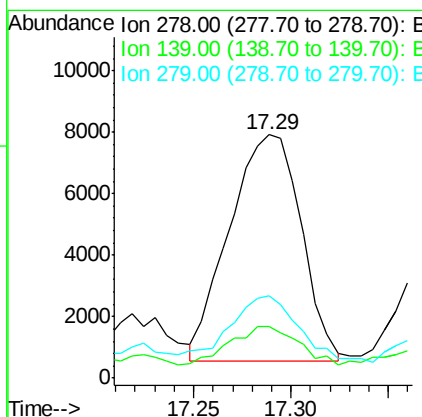
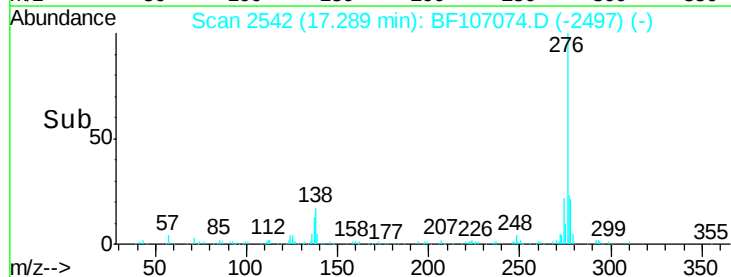
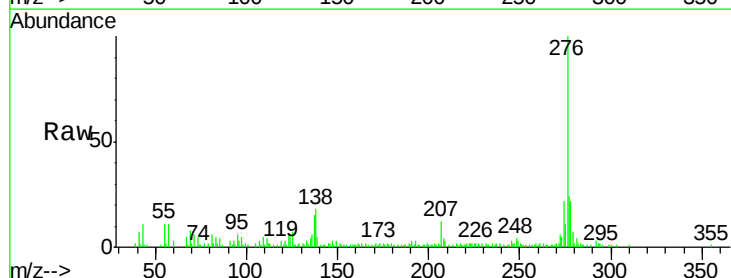
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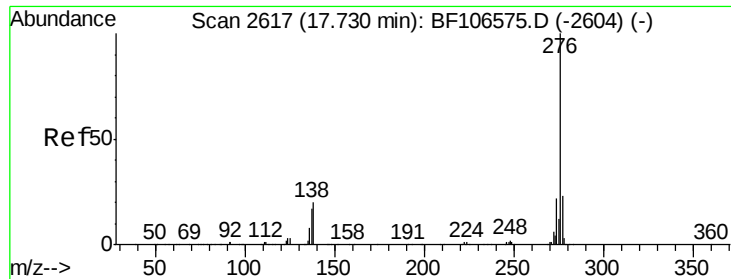
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#90
Dibenzo(a,h)anthracene
Concen: 2.363 ng m
RT: 17.29 min Scan# 2542
Delta R.T. -0.04 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	15.9	23.9
279	33.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.321 ng
 RT: 17.78 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	18.5	21.8	32.8

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