

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
 Data File : BF107052.D
 Acq On : 2 Jul 2018 18:50
 Operator : JU/SJ
 Sample : J3629-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A0C22-01

Manual Integrations
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Sohil
 7/3/2018 5:30:03 PM

Quant Time: Jul 03 09:11:05 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	6.96	152	63533	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	225295	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	97121	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	190307	20.00	ng	0.00
75) Chrysene-d12	14.16	240	146978	20.00	ng	0.00
86) Perylene-d12	15.71	264	105447	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	385878	102.85	ng	0.00
7) Phenol-d6	6.61	99	462113	98.63	ng	0.00
23) Nitrobenzene-d5	7.52	82	255863	63.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	124399	110.51	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	419361	70.58	ng	-0.01
78) Terphenyl-d14	13.08	244	481451	79.35	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	57696	7.921	ng	Qvalue # 98
70) Phenanthrene	11.52	178	53088	5.784	ng	97
74) Fluoranthene	12.72	202	105579	10.436	ng	95
77) Pyrene	12.95	202	117449	12.118	ng	97
80) Benzo(a)anthracene	14.15	228	40429	4.513	ng	94
82) Chrysene	14.18	228	40254	4.884	ng	97
83) Bis(2-ethylhexyl)phthalate	14.10	149	36891	7.241	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.31	276	17361	2.482	ng	# 88
87) Benzo(b)fluoranthene	15.25	252	34627m	5.286	ng	
88) Benzo(k)fluoranthene	15.28	252	12648m	2.028	ng	
89) Benzo(a)pyrene	15.64	252	28657	4.921	ng	# 91
91) Benzo(a,h,i)perylene	17.80	276	21817	4.523	ng	# 82

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

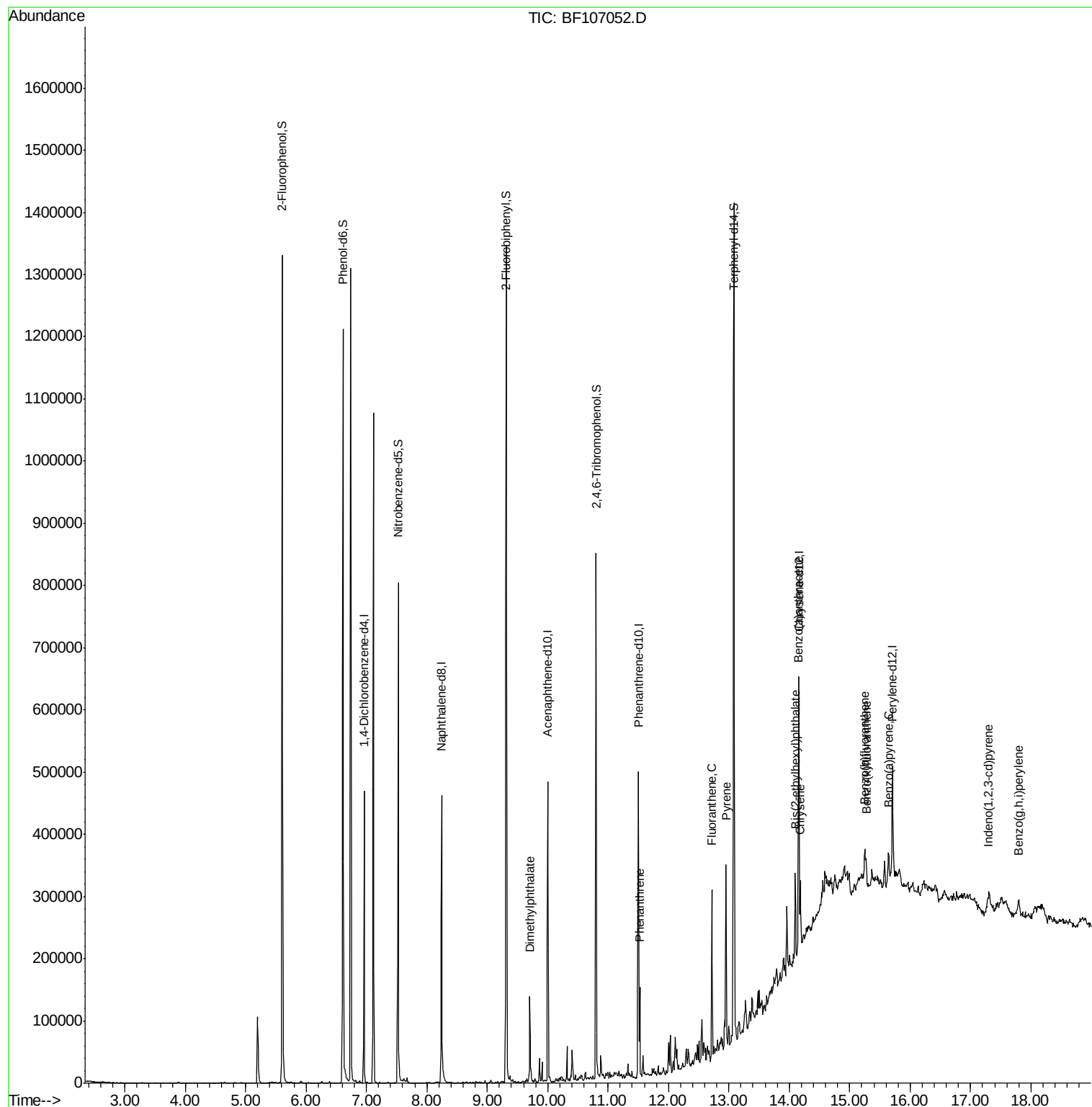
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
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ALS Vial : 22 Sample Multiplier: 1

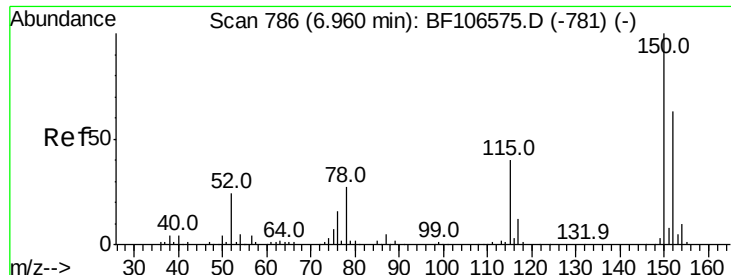
Instrument :
BNA_F
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A0C22-01

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#1

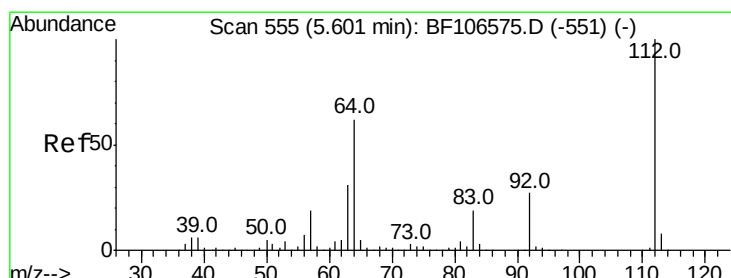
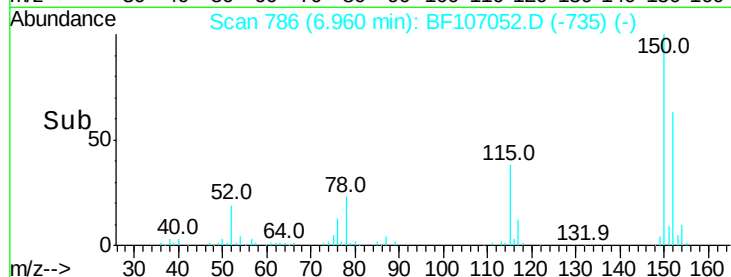
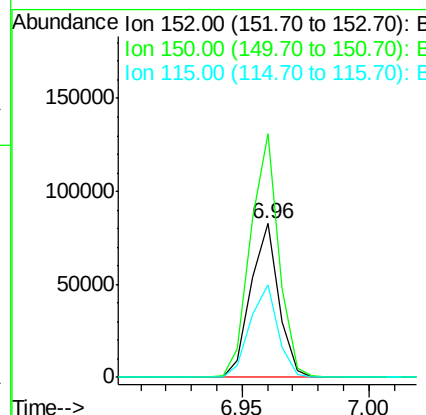
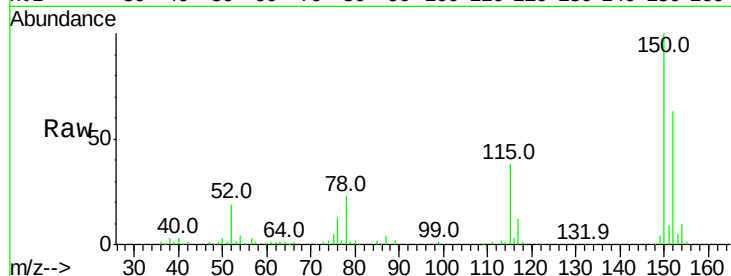
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Instrument :
BNA_F
ClientSampleId :
A0C22-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	60.6	50.1	75.1

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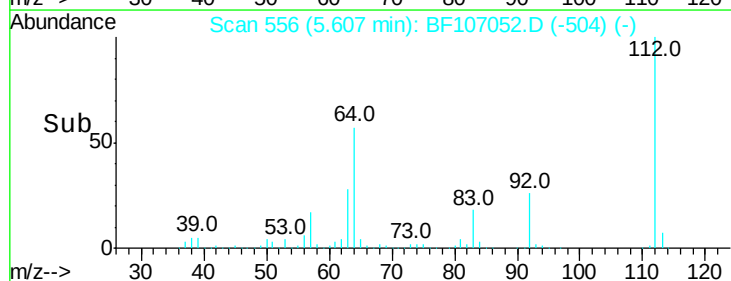
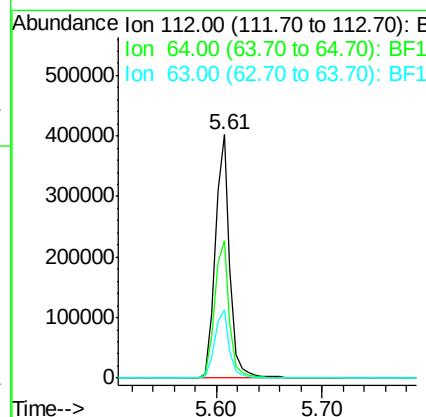
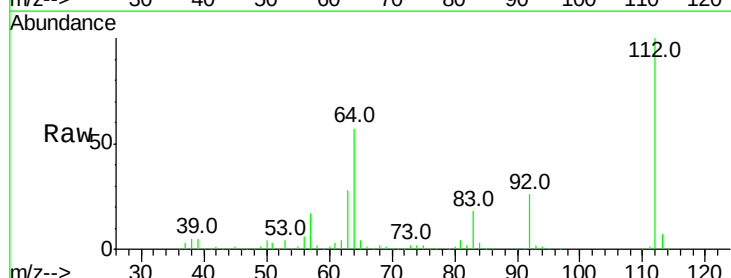
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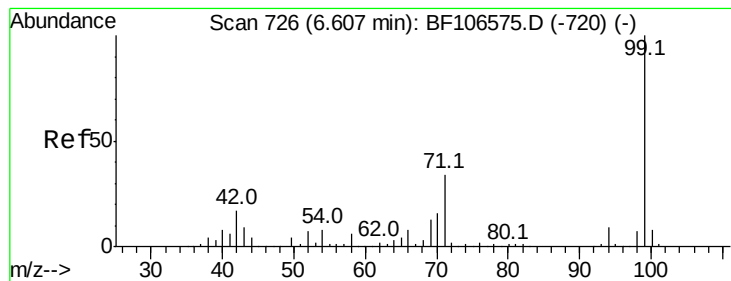


#5

2-Fluorophenol
Concen: 102.846 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 98.626 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

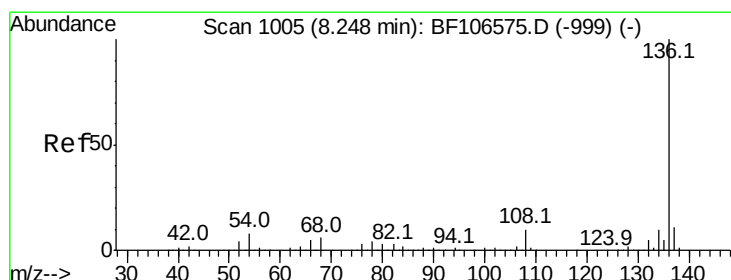
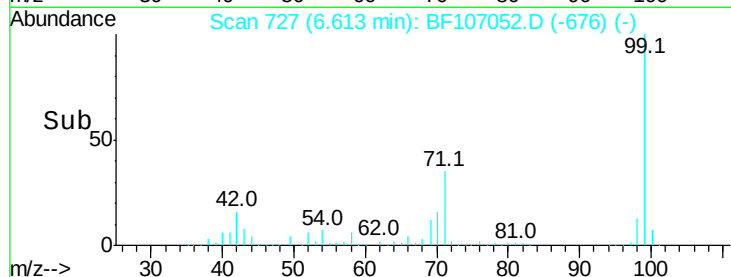
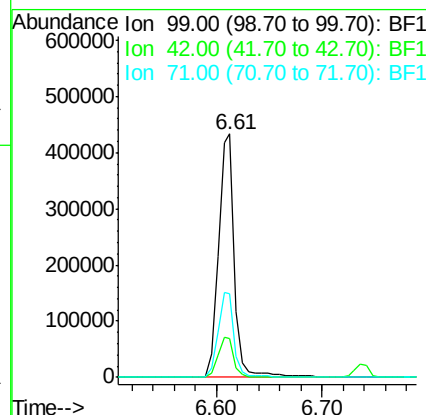
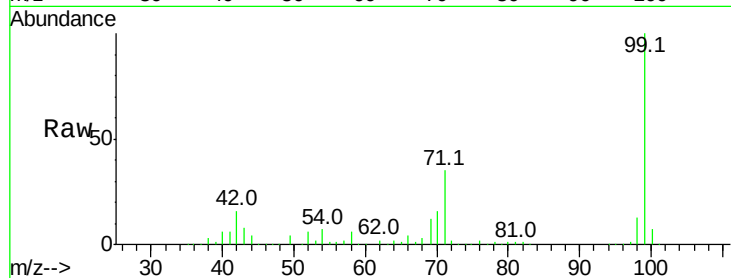
ClientSampled :

A0C22-01

Tot Ion:	99	Resp:	462113
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	34.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

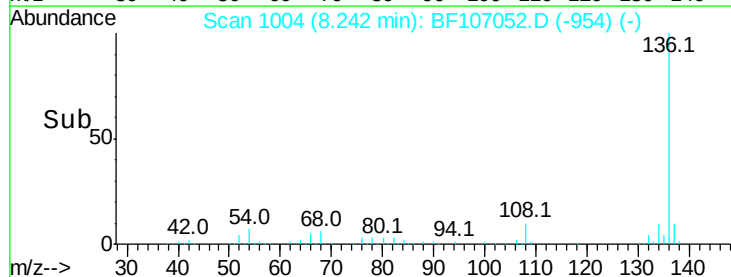
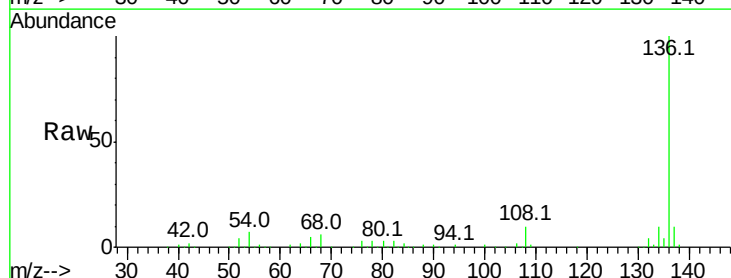
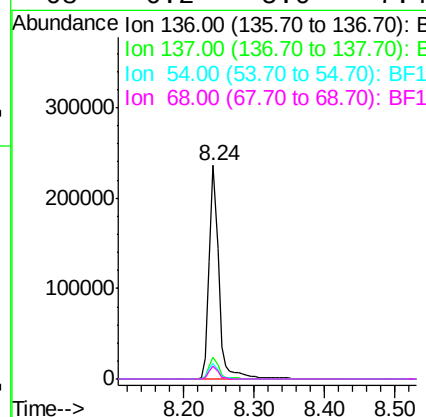
RT: 8.24 min Scan# 1004

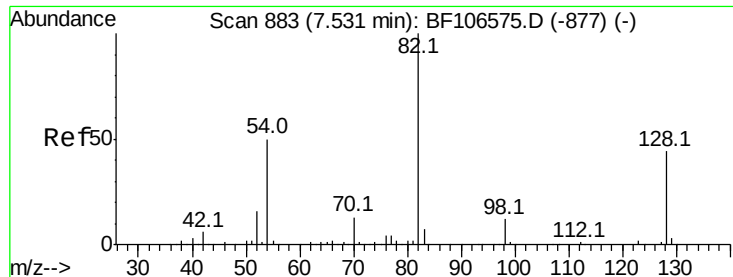
Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Tgt Ion:	136	Resp:	225295
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	7.3	6.6	9.8
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 63.114 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

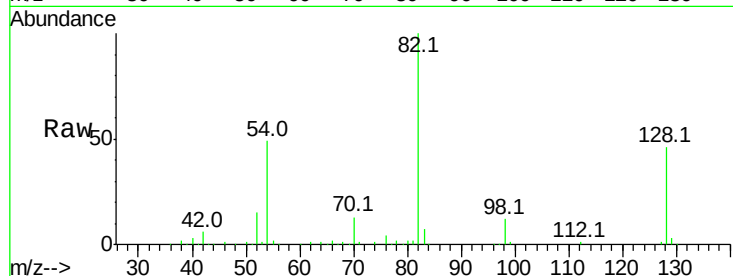
ClientSampled :

A0C22-01

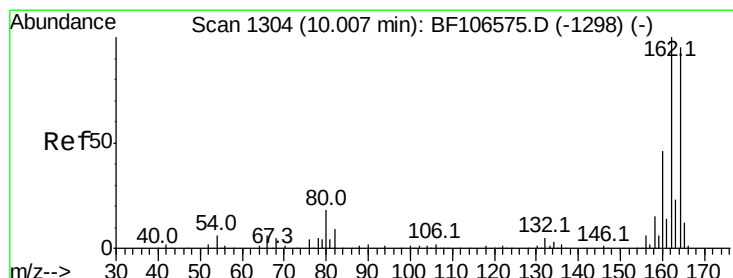
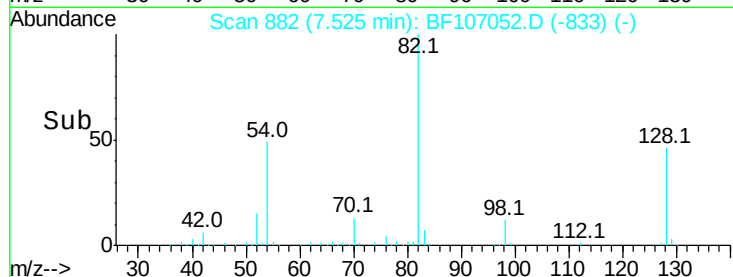
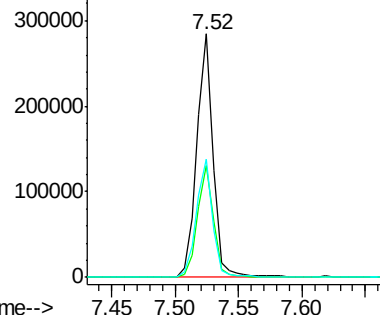
Tot Ion:	82	Resp:	255863
Ion Ratio	Lower	Upper	
82	100		
128	45.7	36.1	54.1
54	48.5	41.4	62.2

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



#38

Acenaphthene-d10

Concen: 20.000 ng

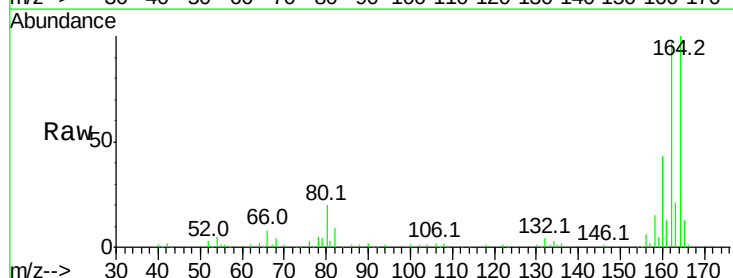
RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

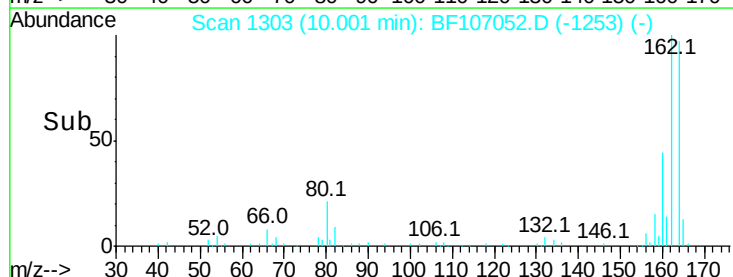
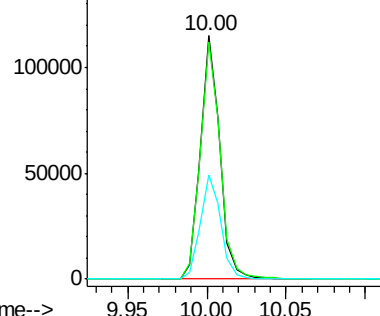
Lab File: BF107052.D

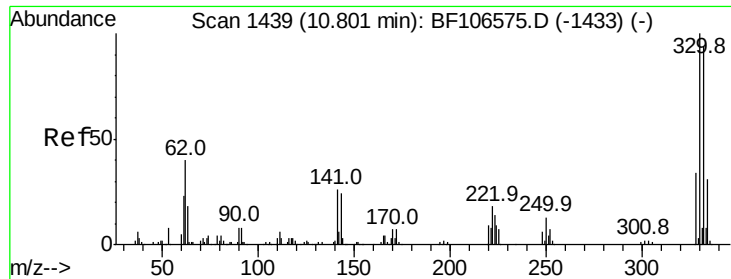
Acq: 2 Jul 2018 18:50

Tgt Ion:	164	Resp:	97121
Ion Ratio	Lower	Upper	
164	100		
162	97.4	86.1	129.1
160	43.0	38.3	57.5



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





#41

2,4,6-Tribromophenol

Concen: 110.512 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

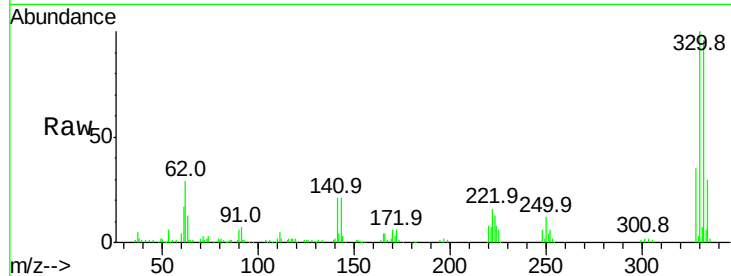
ClientSampled :

A0C22-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100	124399		
332	97.3	77.0	115.6	
141	23.5	29.9	44.9#	

Manual Integrations
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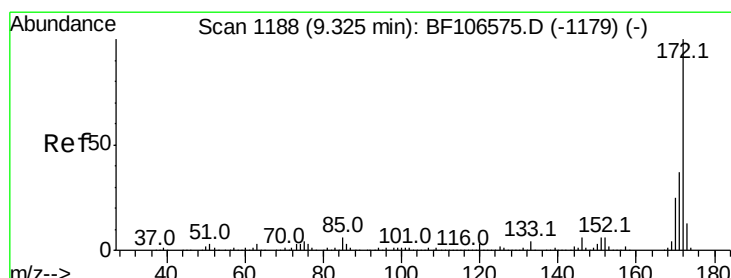
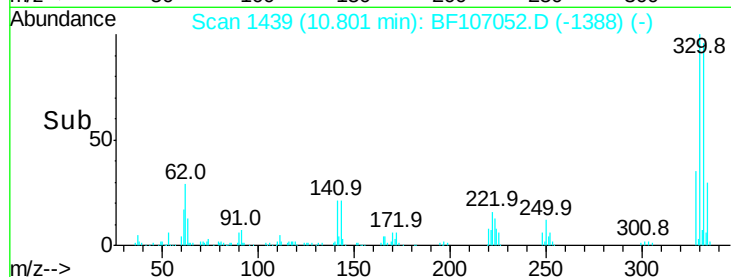
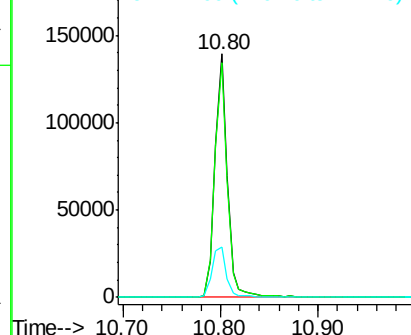
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 70.585 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF107052.D

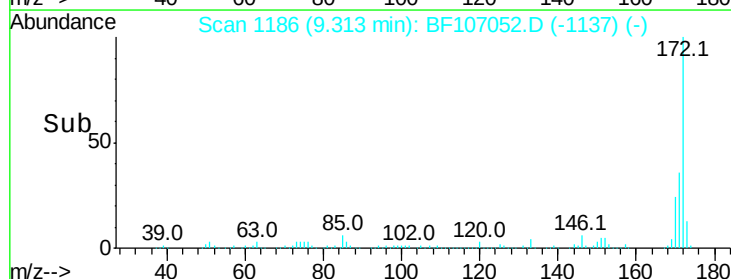
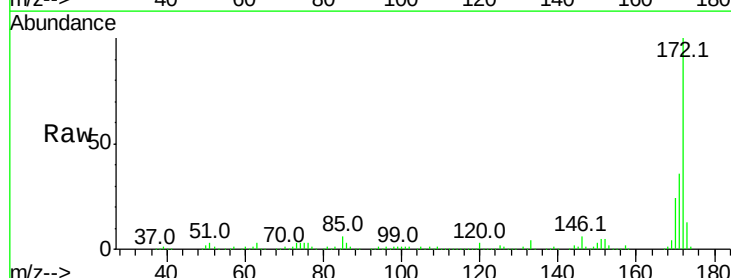
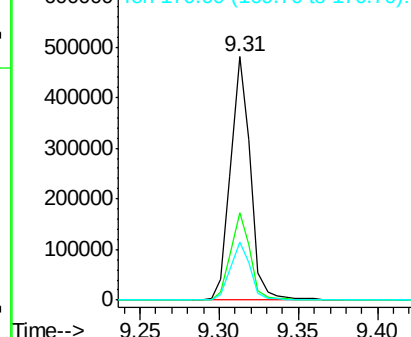
Acq: 2 Jul 2018 18:50

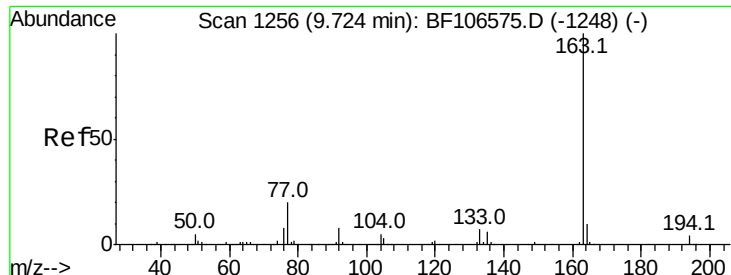
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	419361		
171	36.1	29.7	44.5	
170	24.0	19.6	29.4	

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





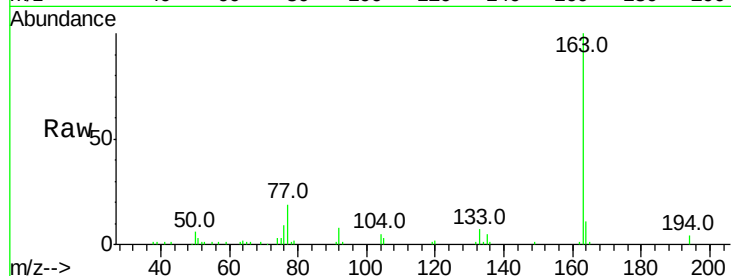
#49
Dimethylphthalate
Concen: 7.921 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Instrument :
BNA_F
ClientSampleId :
A0C22-01

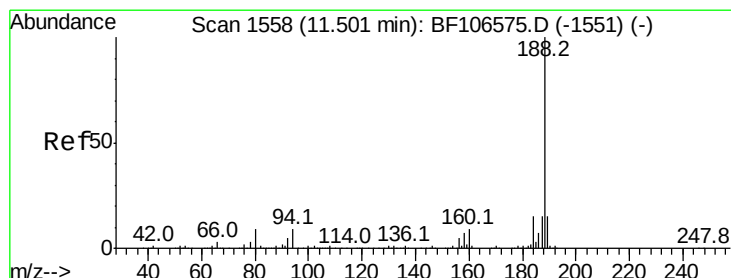
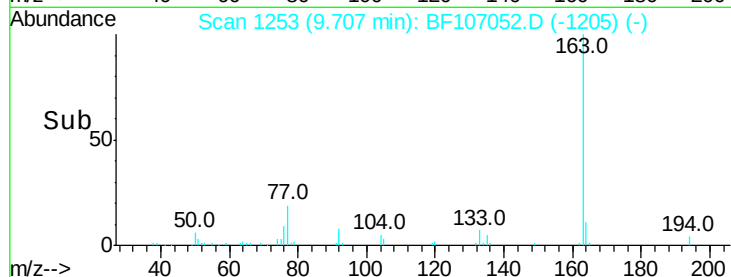
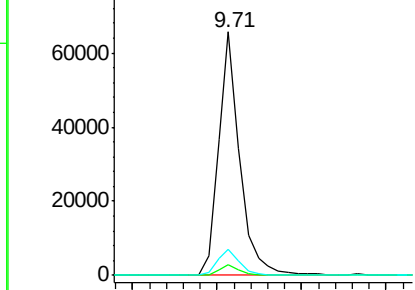
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	10.8	8.2	12.2

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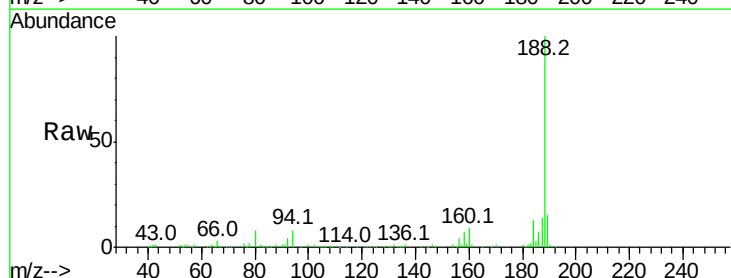


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

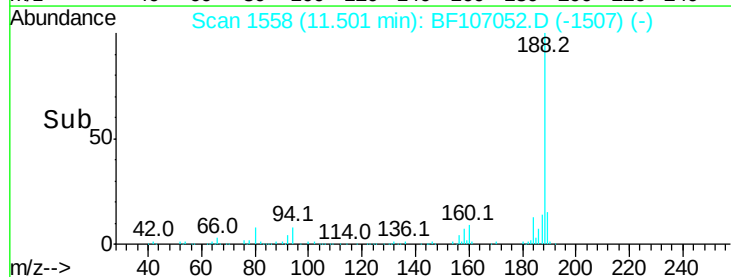
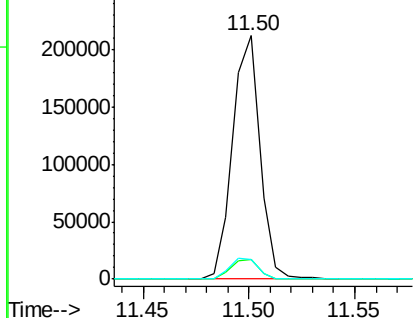


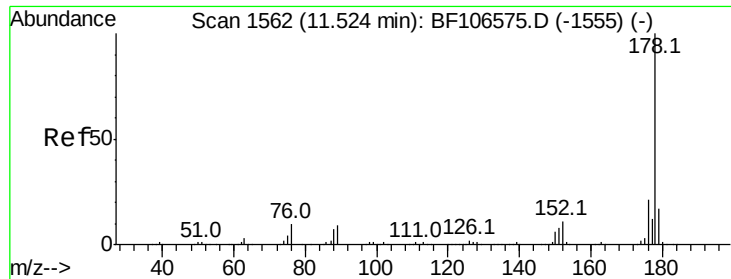
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.3	9.2	13.8#



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





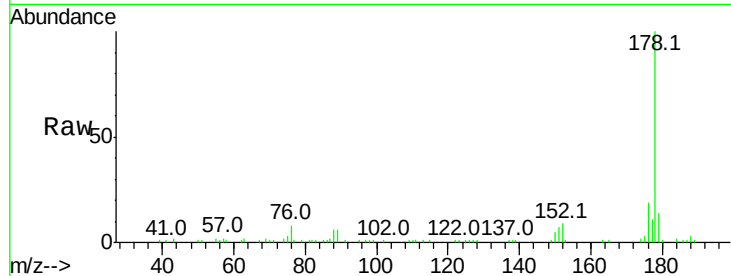
#70
Phenanthrene
Concen: 5.784 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Instrument :
BNA_F
ClientSampleId :
A0C22-01

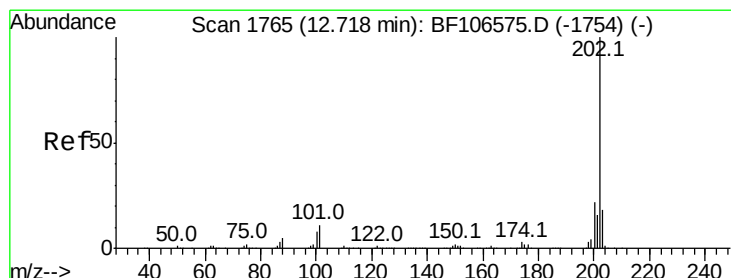
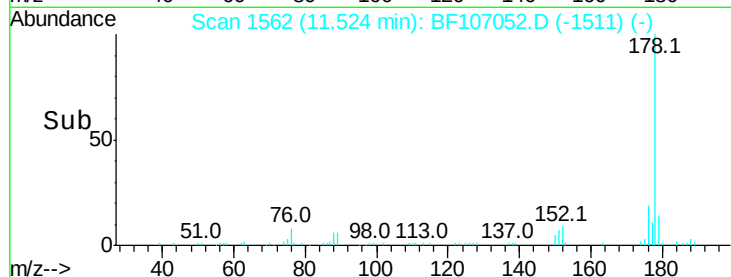
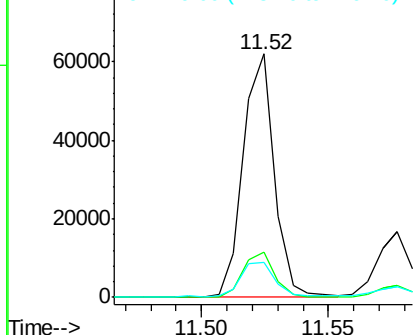
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	14.4	13.0	19.6

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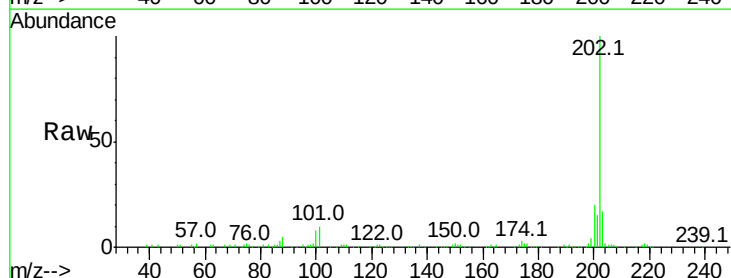


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

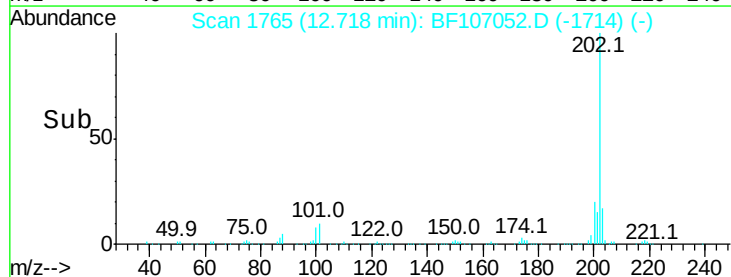
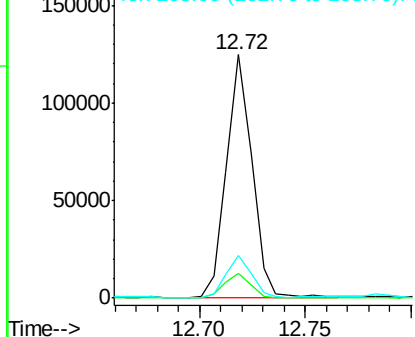


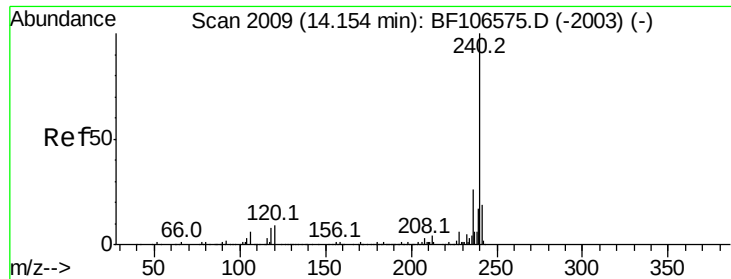
#74
Fluoranthene
Concen: 10.436 ng
RT: 12.72 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.4	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

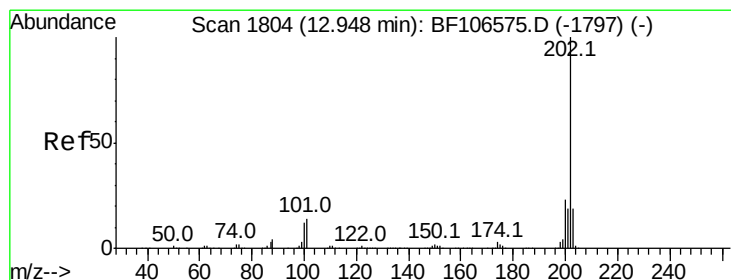
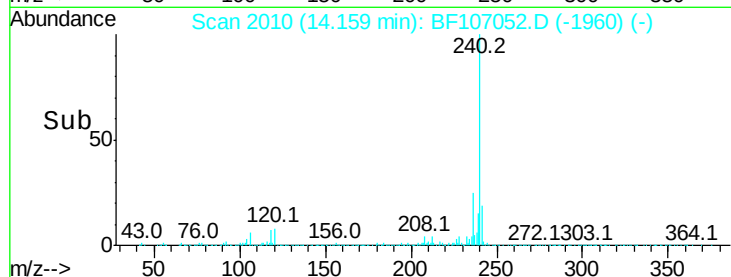
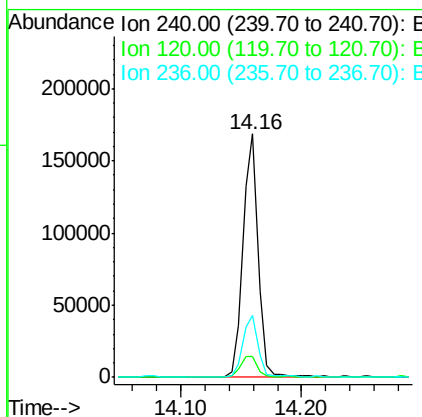
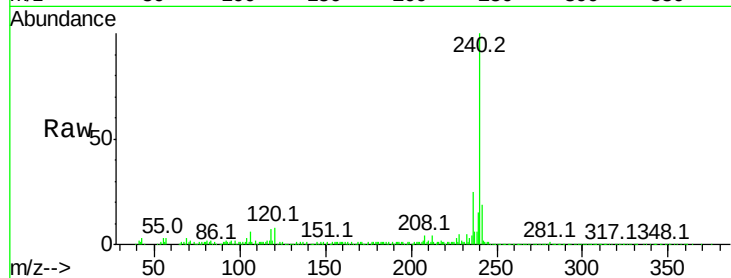
ClientSampleId :

A0C22-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	9.5	14.3#
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 12.118 ng

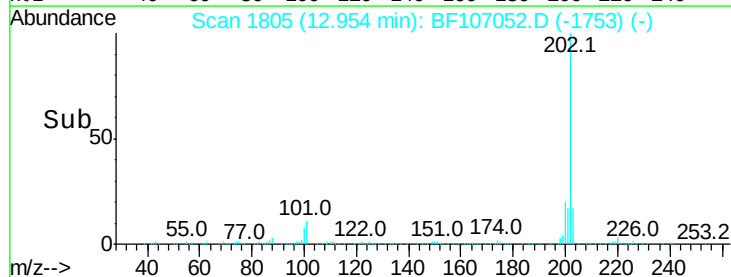
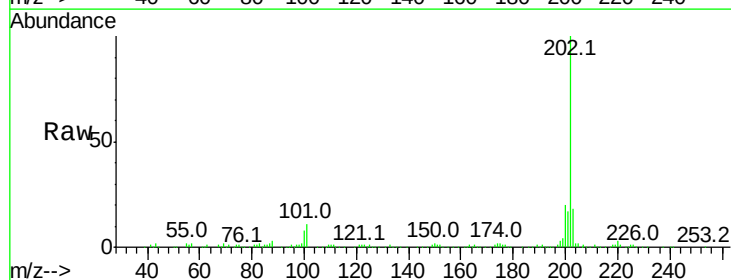
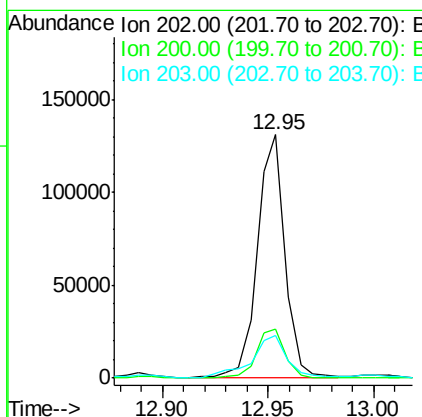
RT: 12.95 min Scan# 1805

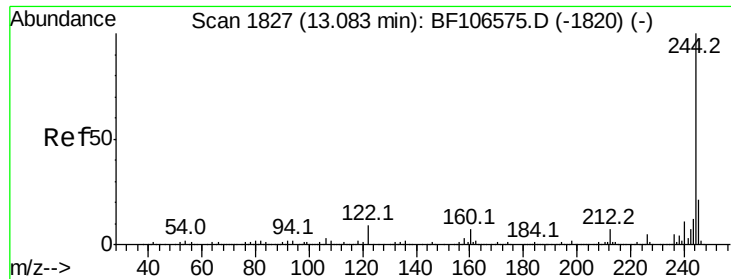
Delta R.T. 0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	17.5	14.3	21.5





#78

Terphenyl-d14

Concen: 79.346 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

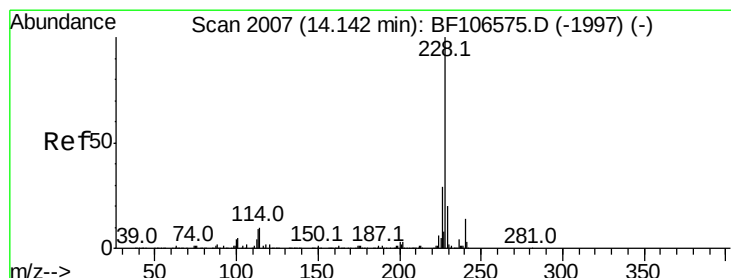
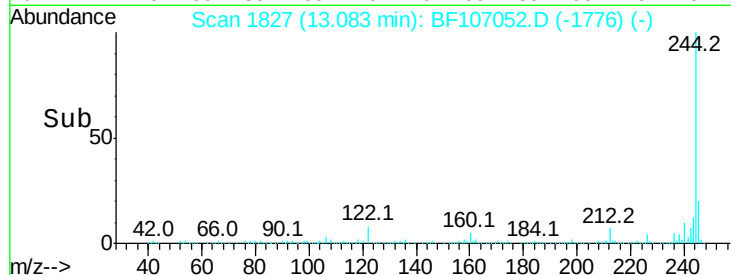
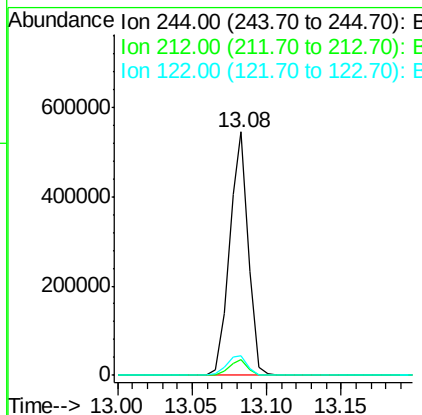
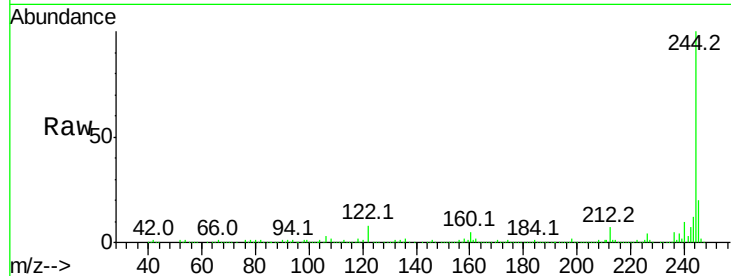
ClientSampleId :

A0C22-01

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.5	5.4	8.0	
122	8.3	11.0	16.4	

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#80

Benzo(a)anthracene

Concen: 4.513 ng

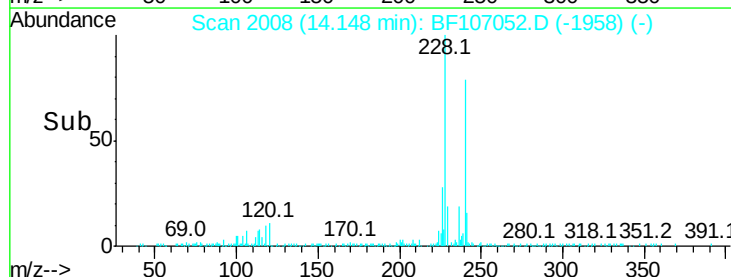
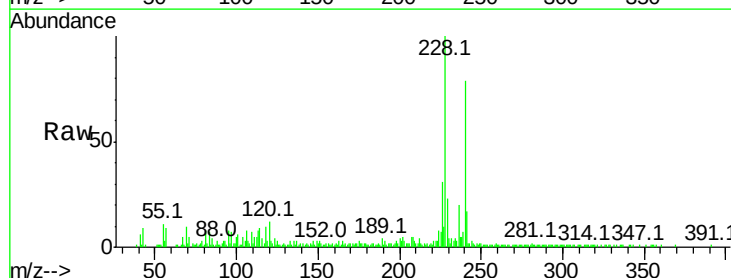
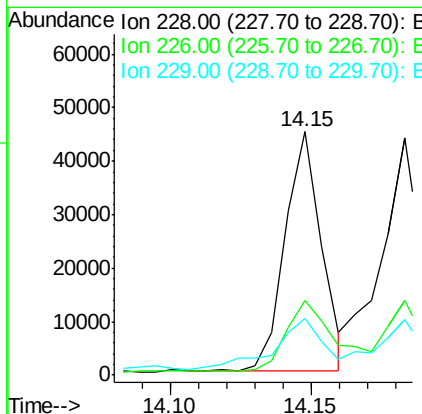
RT: 14.15 min Scan# 2008

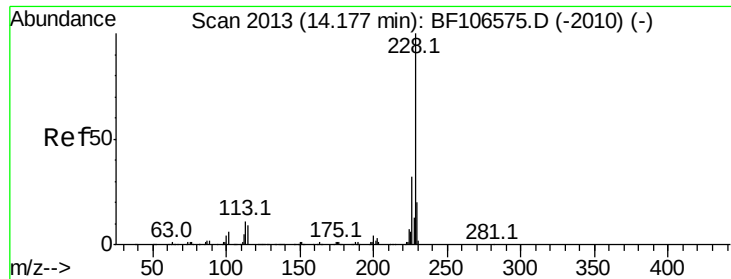
Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.8	22.6	33.8	
229	23.4	15.8	23.6	





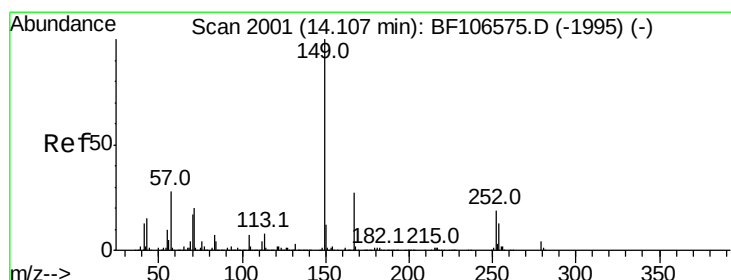
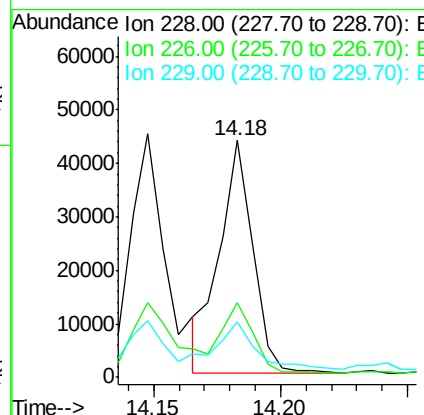
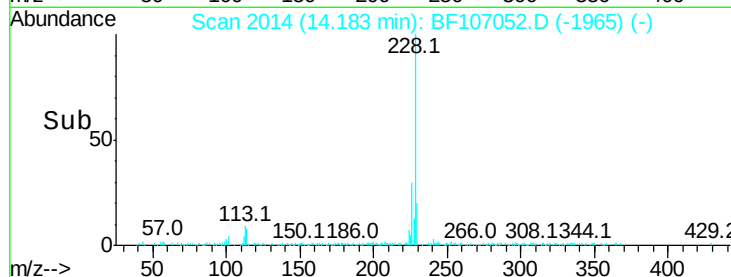
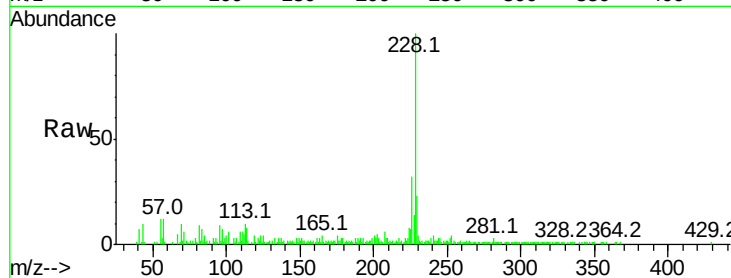
#82
Chrysene
Concen: 4.884 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Instrument :
BNA_F
ClientSampleId :
A0C22-01

Tot Ion:	228	Resp:	40254
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	23.5	16.2	24.4

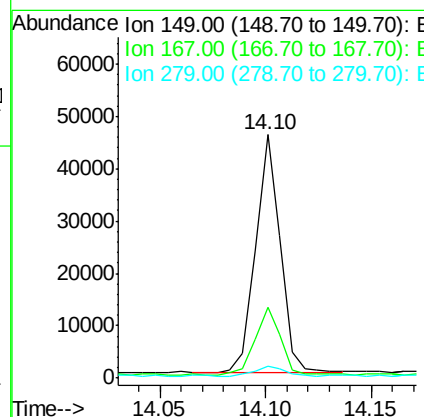
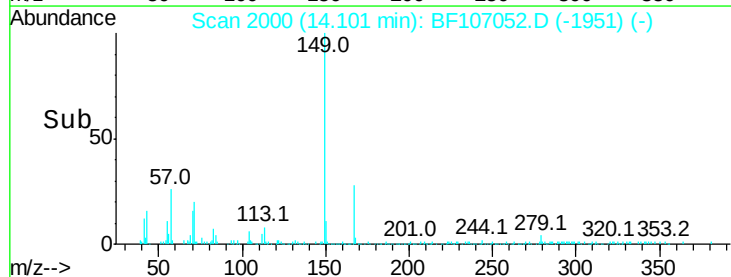
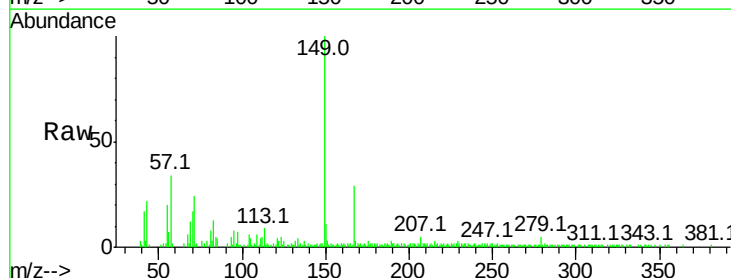
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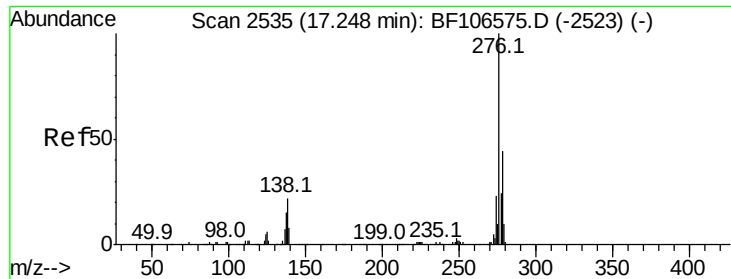
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#83
Bis(2-ethylhexyl)phthalate
Concen: 7.241 ng
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion:	149	Resp:	36891
Ion Ratio	Lower	Upper	
149	100		
167	29.3	21.3	31.9
279	4.7	3.0	4.4#





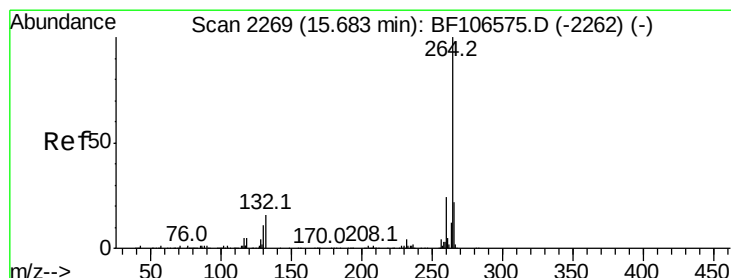
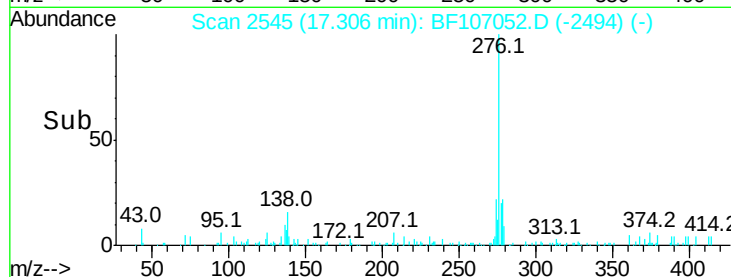
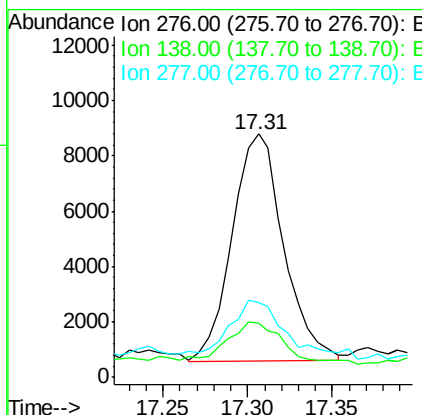
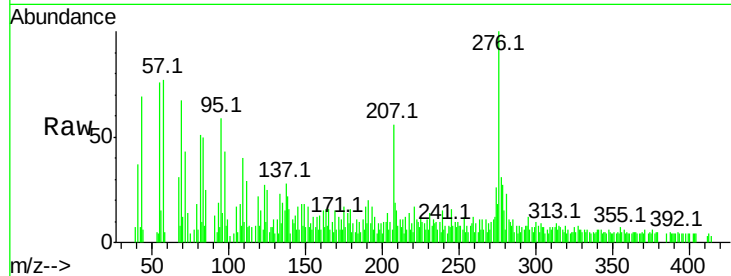
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.482 ng
RT: 17.31 min Scan# 2545
Delta R.T. -0.00 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Instrument :
BNA_F
ClientSampleId :
A0C22-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	25.0	37.6#
277	26.8	20.1	30.1

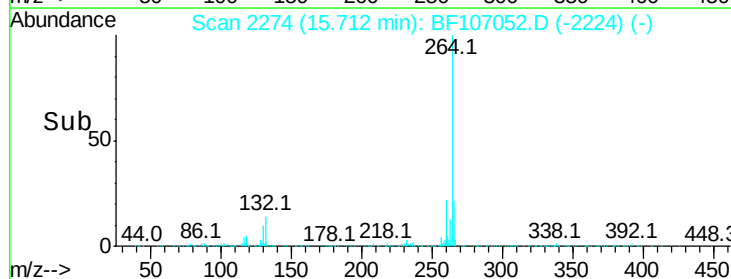
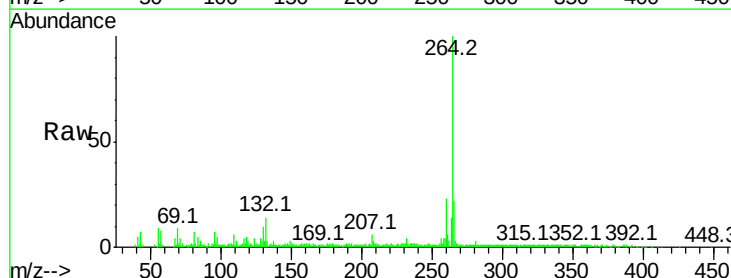
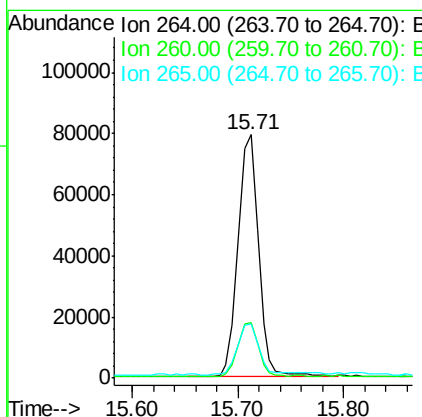
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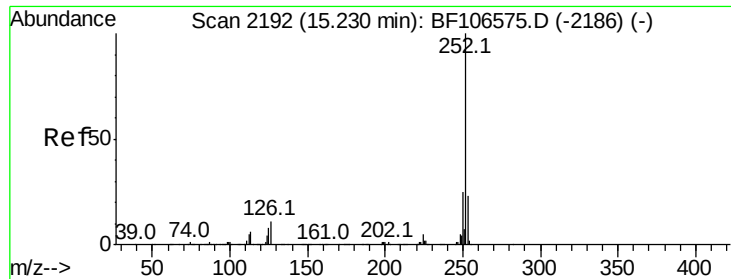
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.286 ng m

RT: 15.25 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Instrument :

BNA_F

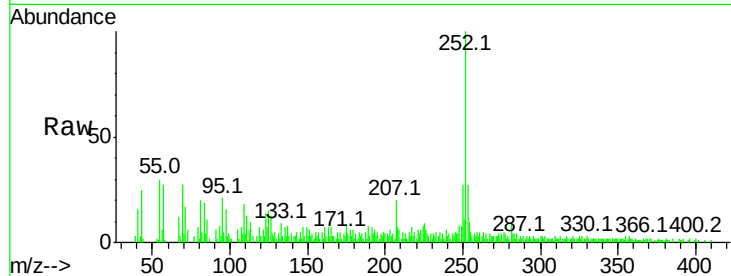
ClientSampleId :

A0C22-01

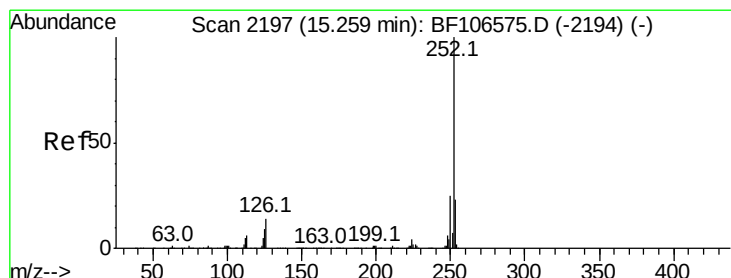
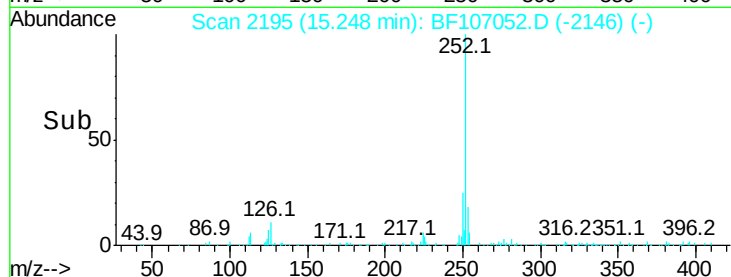
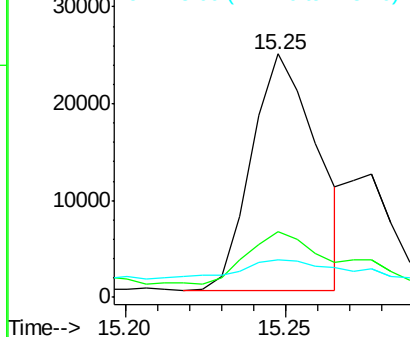
Tot Ion:	252	Resp:	34627
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.0	25.6#
125	15.3	9.0	13.6#

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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: 2.028 ng m

RT: 15.28 min Scan# 2200

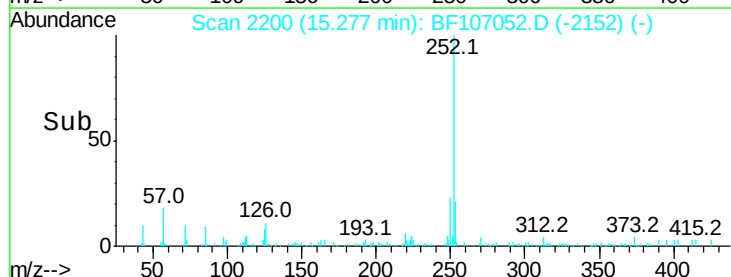
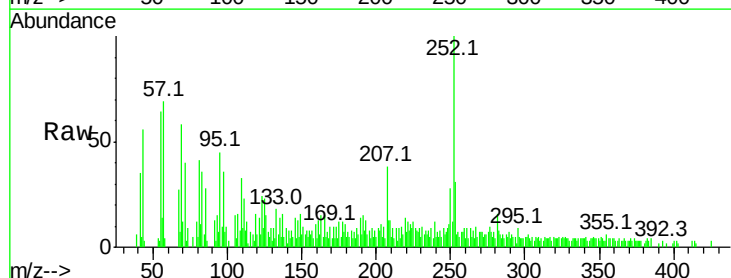
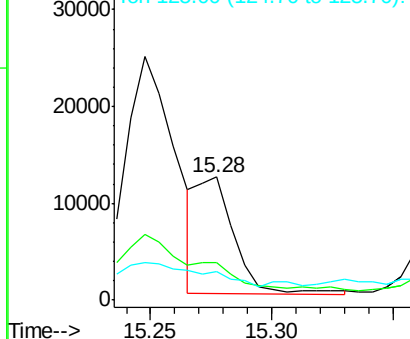
Delta R.T. -0.02 min

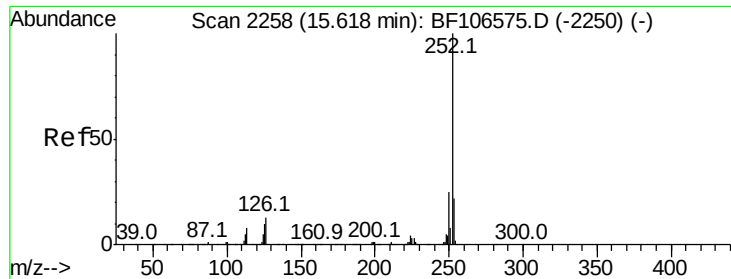
Lab File: BF107052.D

Acq: 2 Jul 2018 18:50

Tgt Ion:	252	Resp:	12648
Ion Ratio	Lower	Upper	
252	100		
253	30.6	17.9	26.9#
125	22.9	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





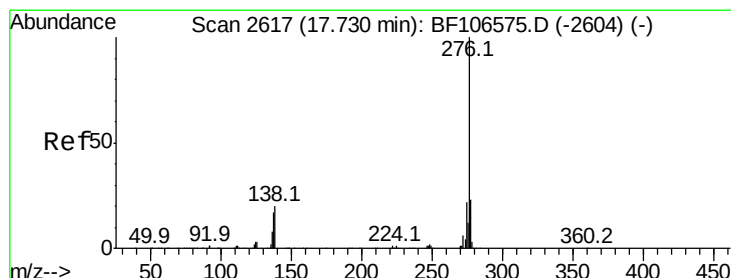
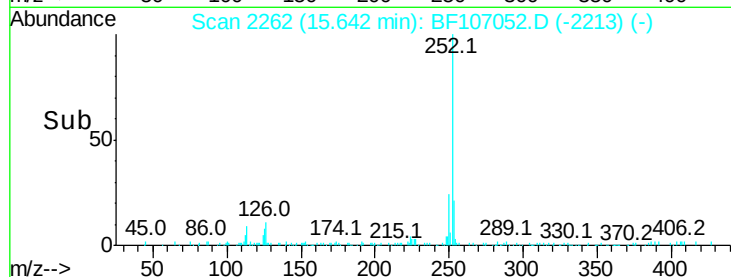
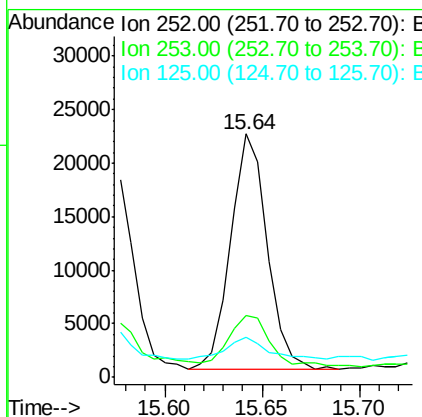
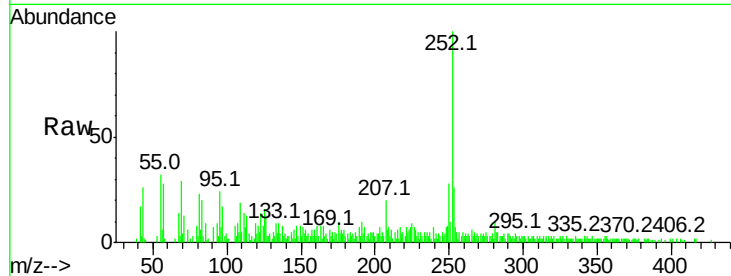
#89
Benzo(a)pyrene
Concen: 4.921 ng
RT: 15.64 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Instrument :
BNA_F
ClientSampleId :
A0C22-01

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.5	17.1	25.7
125	16.4	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.523 ng
RT: 17.80 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BF107052.D
Acq: 2 Jul 2018 18:50

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	32.3	17.9	26.9
138	18.9	21.8	32.8

