

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
 Data File : BF107138.D
 Acq On : 5 Jul 2018 20:26
 Operator : JU/SJ
 Sample : J3814-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8782-AA

Manual Integrations
 APPROVED

Sohil
 7/6/2018 8:45:27 AM

Quant Time: Jul 06 04:40:52 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	57468	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	210500	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	93896	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	171050	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	174195	20.00	ng	-0.03
86) Perylene-d12	15.68	264	128211	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	330125	97.27	ng	0.00
7) Phenol-d6	6.60	99	402858	95.05	ng	-0.02
23) Nitrobenzene-d5	7.51	82	244110	64.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	108523	99.72	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	457930	82.03	ng	-0.02
78) Terphenyl-d14	13.07	244	508407	70.70	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.70	163	77921	11.065	ng	98
70) Phenanthrene	11.51	178	80112	9.710	ng	99
71) Anthracene	11.56	178	22702	2.696	ng	99
74) Fluoranthene	12.71	202	225296	24.776	ng	95
77) Pyrene	12.94	202	194951	16.972	ng	98
80) Benzo(a)anthracene	14.13	228	113710	10.710	ng	99
82) Chrysene	14.17	228	108248	11.083	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	28202	4.671	ng	95
85) Indeno(1,2,3-cd)pyrene	17.25	276	41234	4.975	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	114135m	14.331	ng	
88) Benzo(k)fluoranthene	15.25	252	44111m	5.816	ng	
89) Benzo(a)pyrene	15.61	252	74937	10.584	ng	96
91) Benzo(a,h,i)perylene	17.74	276	40256	6.864	ng	# 89

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

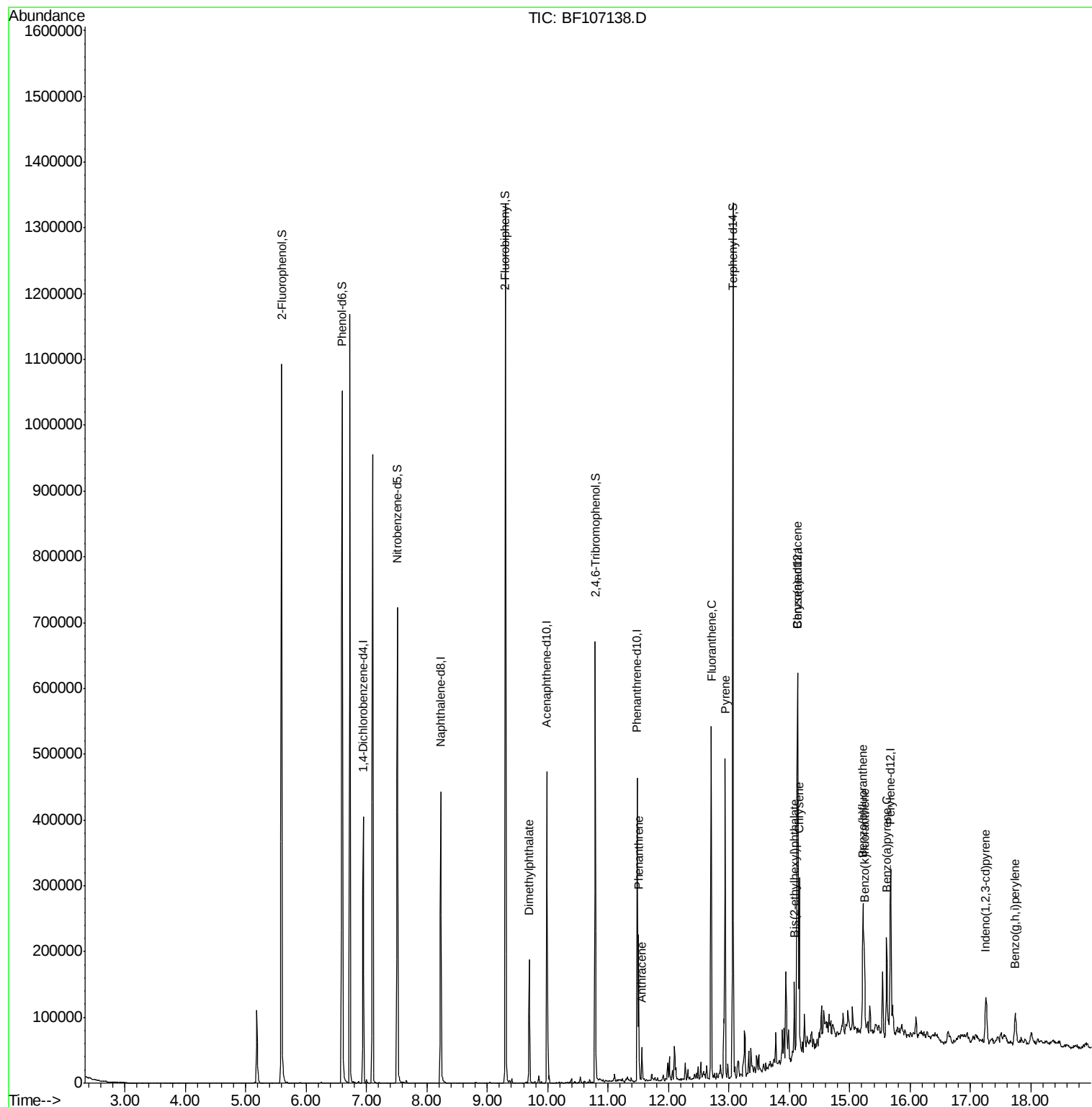
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107138.D
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Operator : JU/SJ
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#1

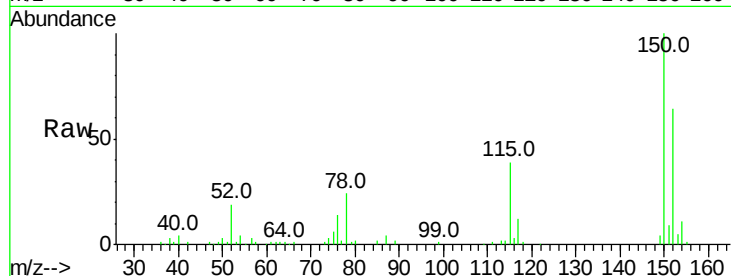
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampleId :
8782-AA

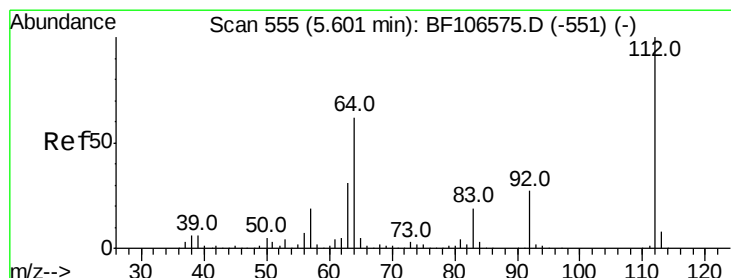
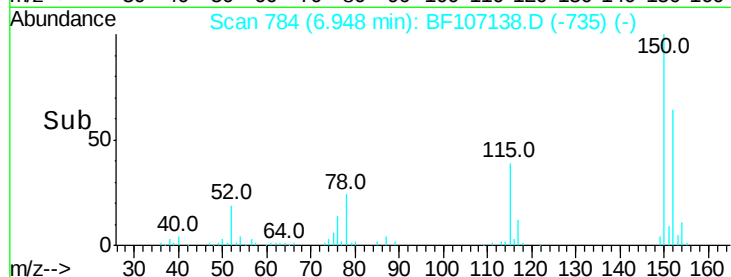
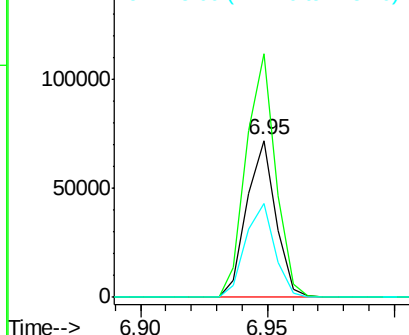
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	60.2	50.1	75.1

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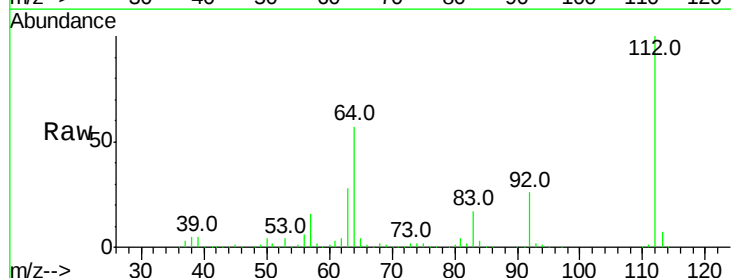
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



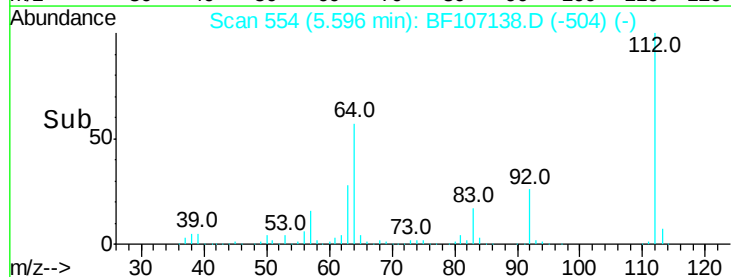
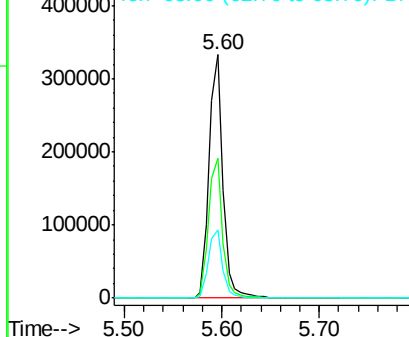
#5

2-Fluorophenol
Concen: 97.273 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	28.0	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: 95.054 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107138.D

Acq: 5 Jul 2018 20:26

Instrument :

BNA_F

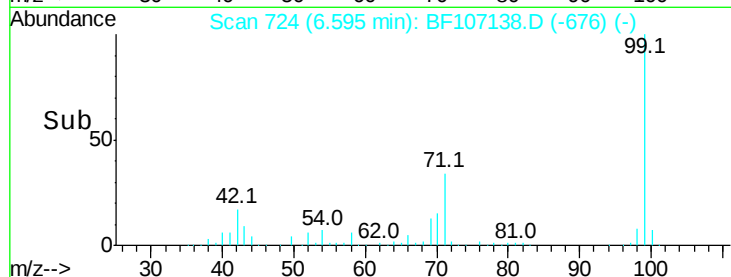
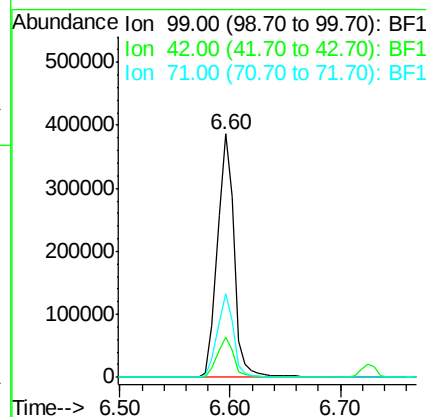
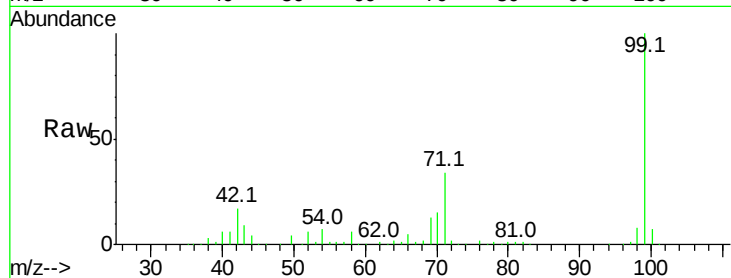
ClientSampled :

8782-AA

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		402858		
42	16.6	14.5	21.7		
71	34.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

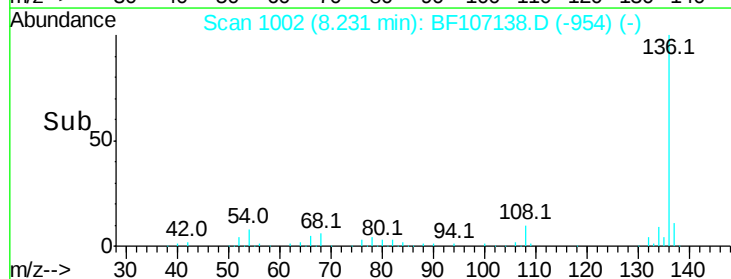
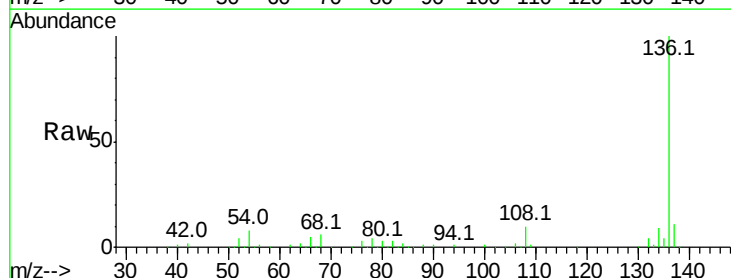
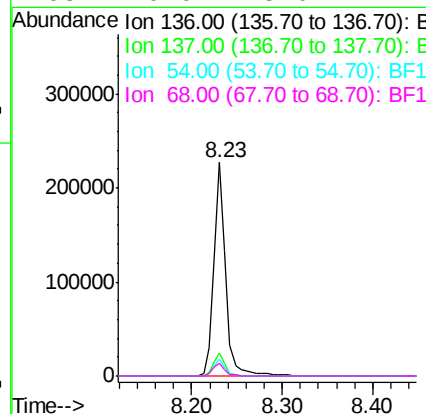
RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107138.D

Acq: 5 Jul 2018 20:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		210500		
137	10.8	8.9	13.3		
54	7.7	6.6	9.8		
68	6.0	5.0	7.4		





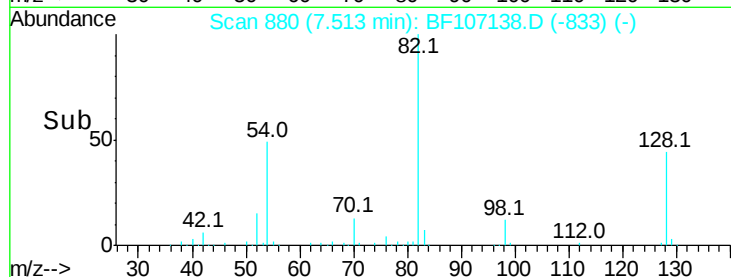
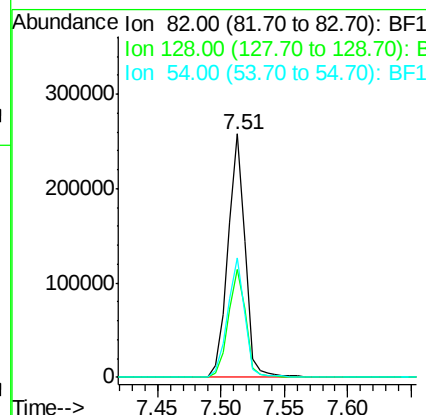
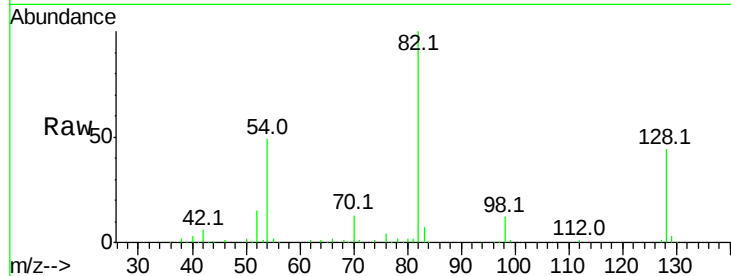
#23
Nitrobenzene-d5
Concen: 64.447 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampled :
8782-AA

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	48.9	41.4	62.2

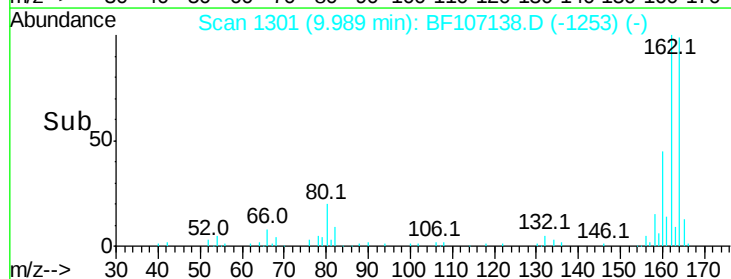
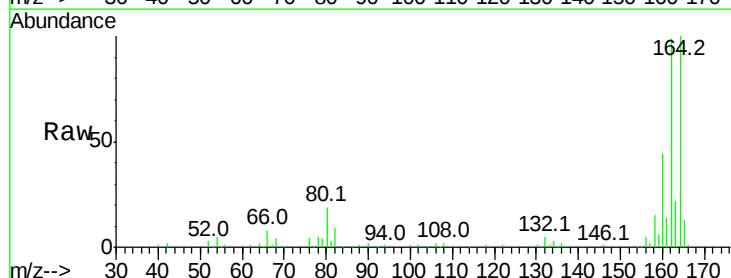
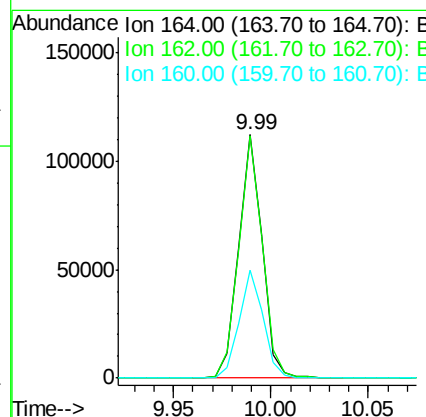
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	86.1	129.1
160	44.4	38.3	57.5





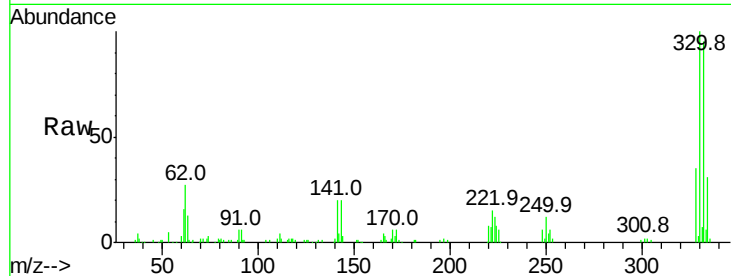
#41
 2,4,6-Tribromophenol
 Concen: 99.720 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107138.D
 Acq: 5 Jul 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :
 8782-AA

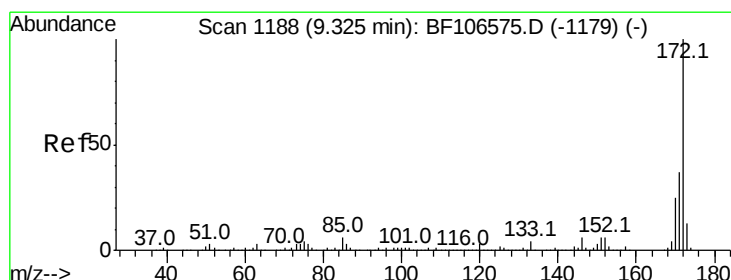
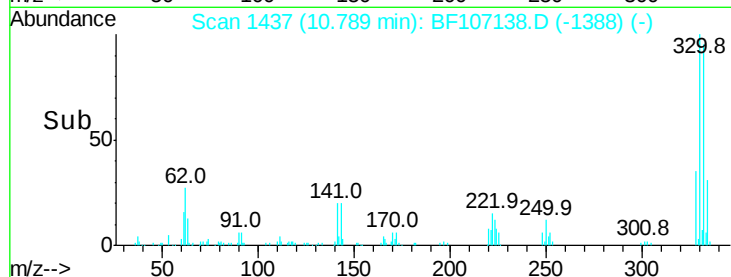
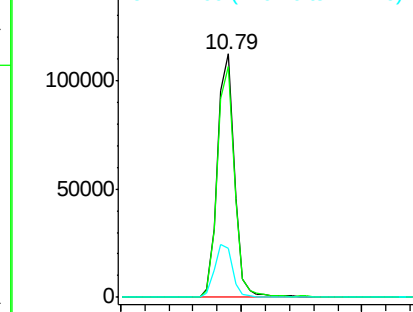
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.0	115.6	
141	23.0	29.9	44.9	

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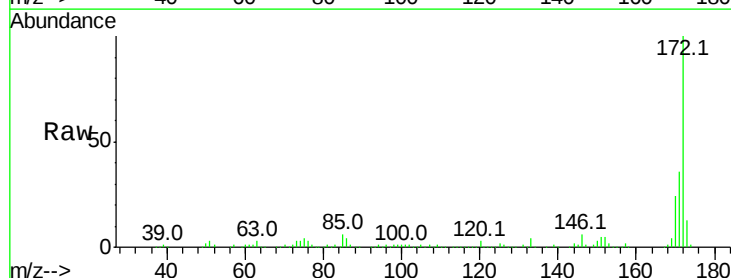


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

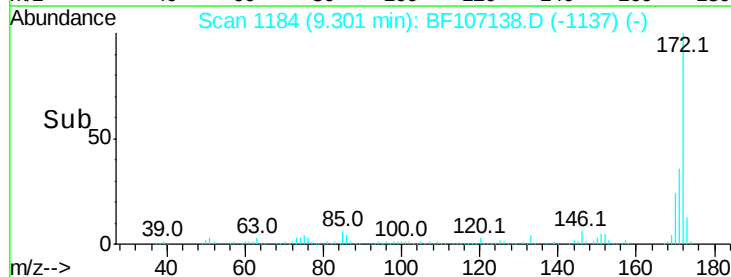
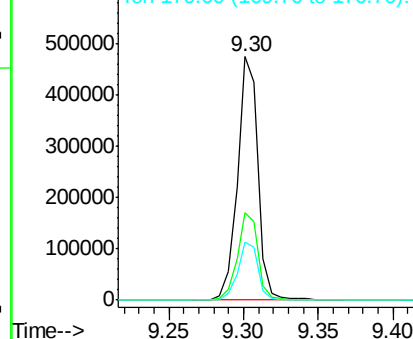


#44
 2-Fluorobiphenyl
 Concen: 82.035 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107138.D
 Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	23.9	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





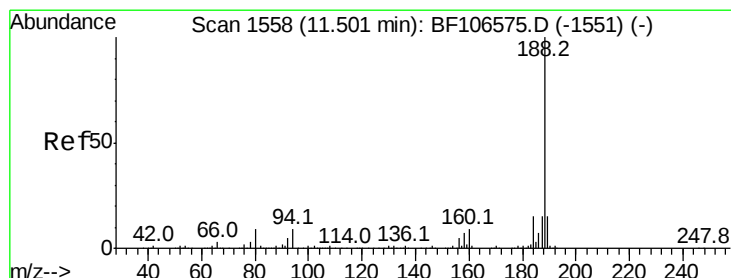
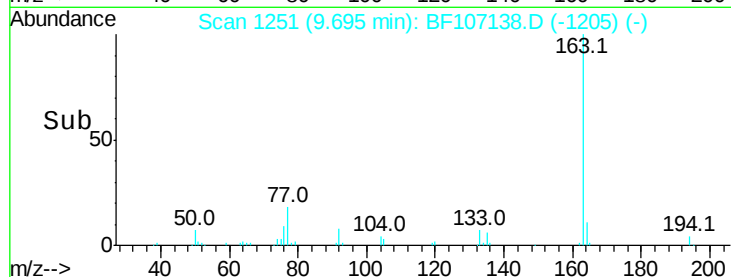
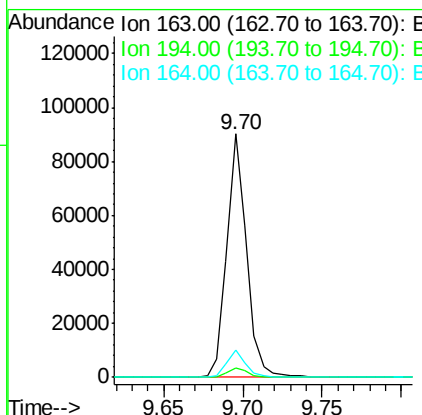
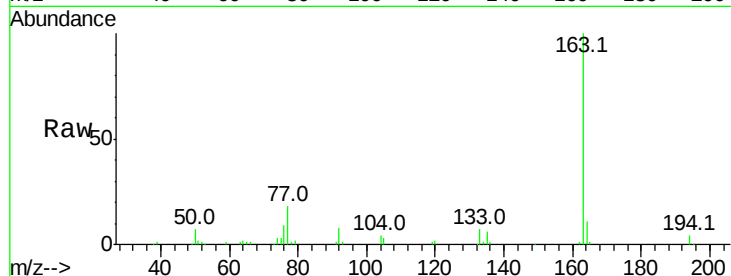
#49
Dimethylphthalate
Concen: 11.065 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampleId :
8782-AA

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	11.1	8.2	12.2

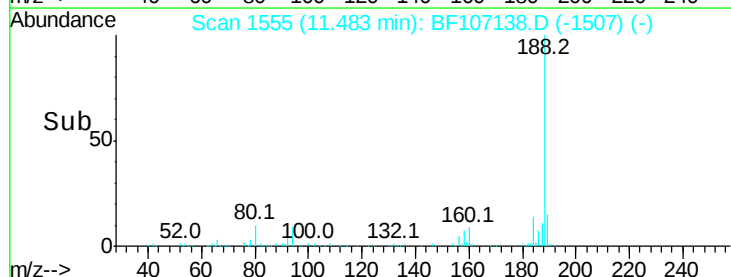
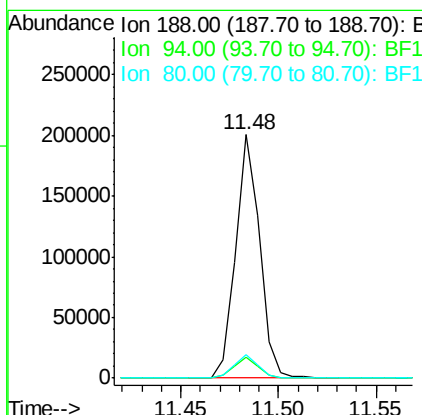
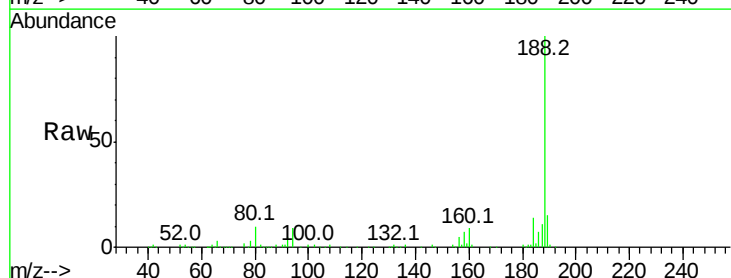
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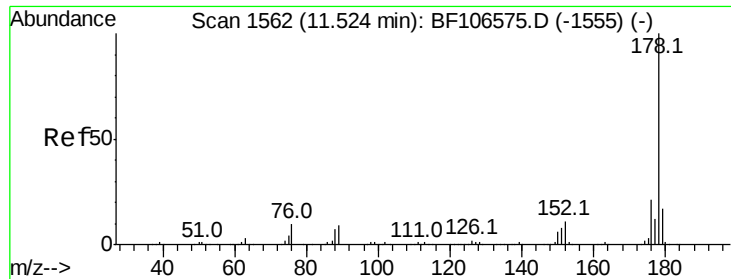
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.8	9.2	13.8





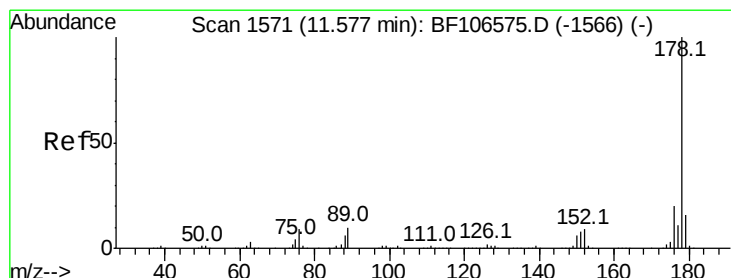
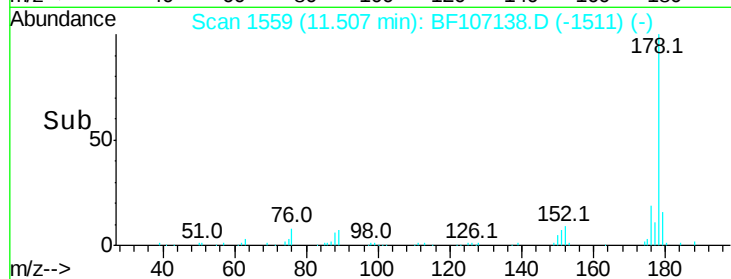
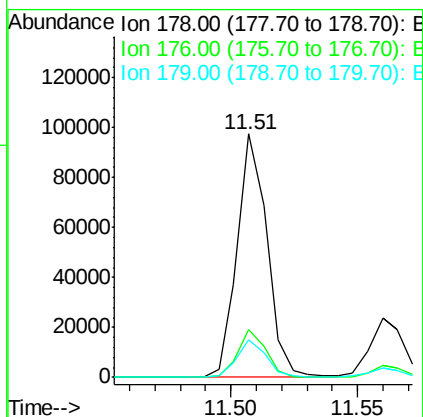
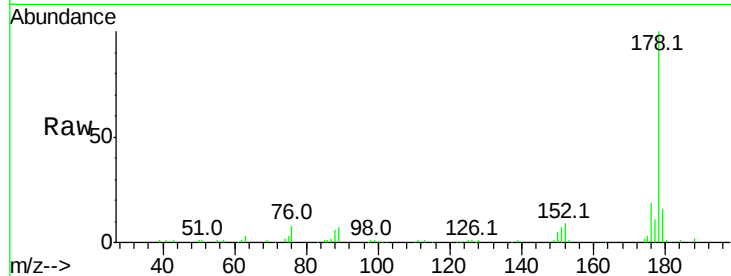
#70
Phenanthrene
Concen: 9.710 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampleId :
8782-AA

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.6	13.0	19.6

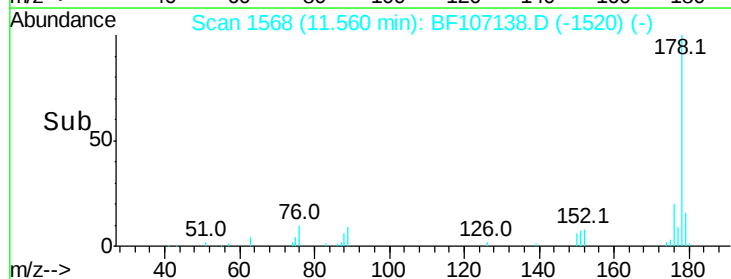
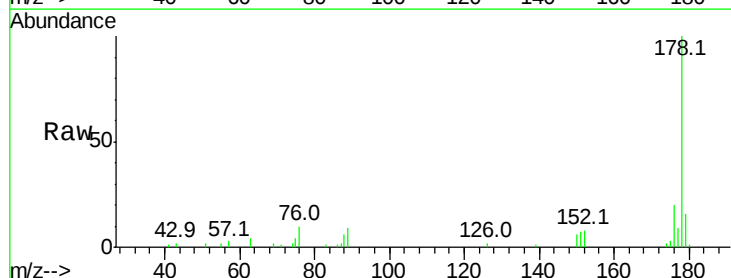
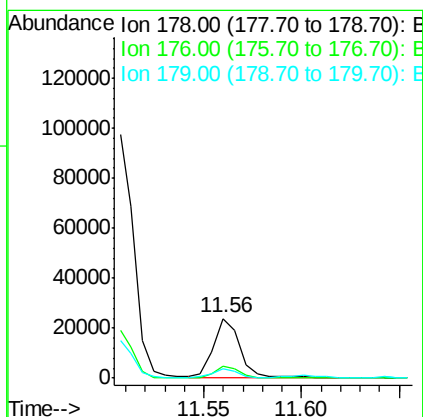
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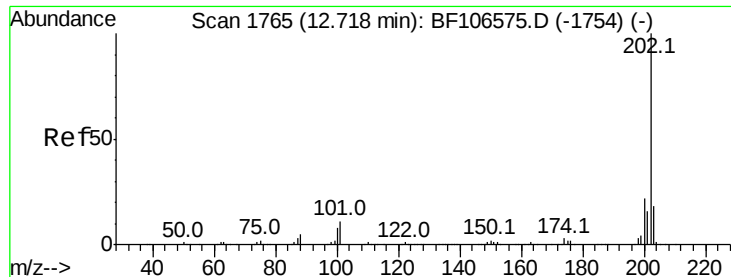
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#71
Anthracene
Concen: 2.696 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.3	12.6	19.0





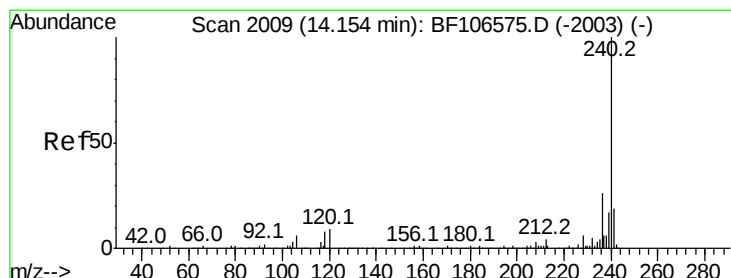
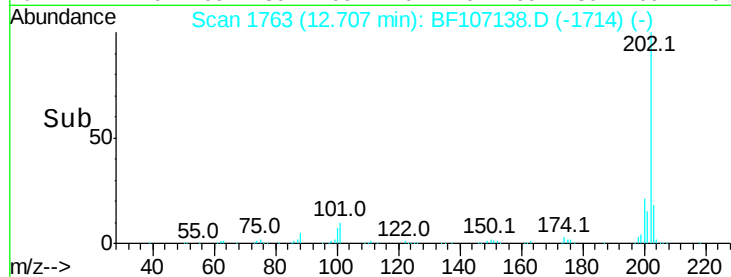
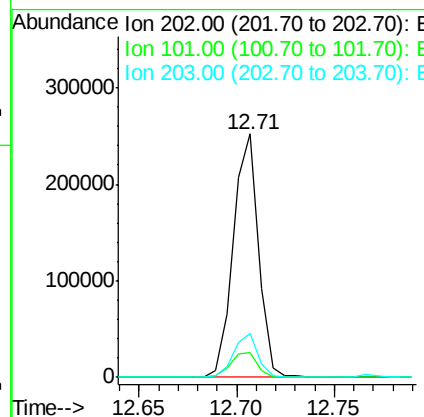
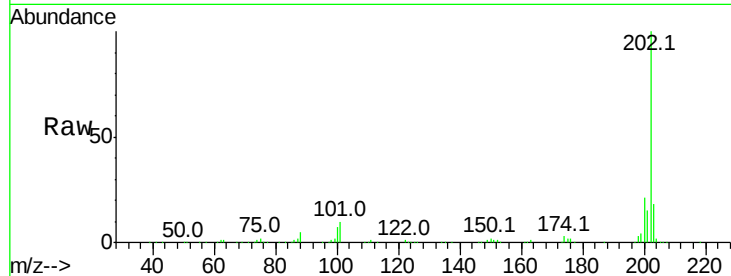
#74
Fluoranthene
Concen: 24.776 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampleId :
8782-AA

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.8	0.0	38.1

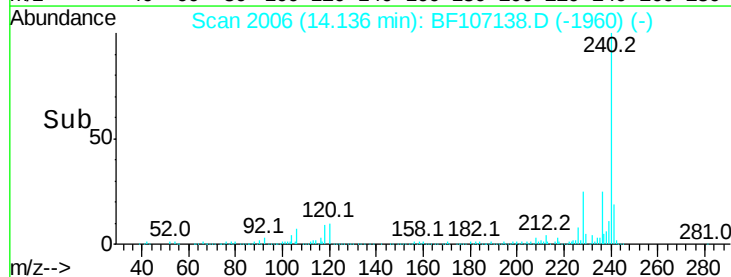
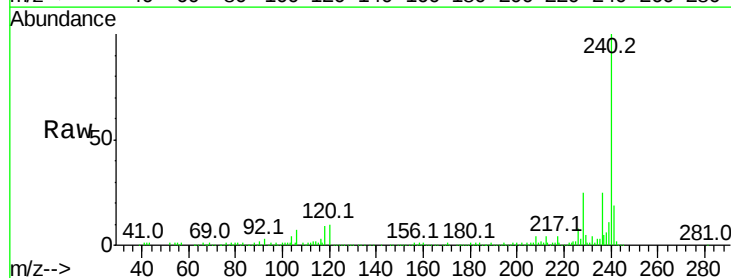
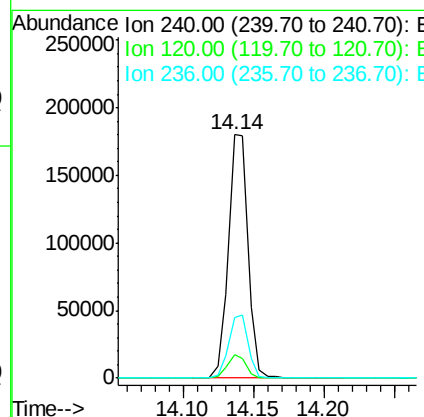
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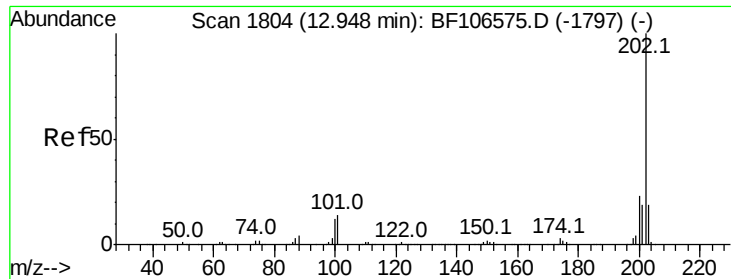
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.03 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	9.5	14.3
236	25.0	20.7	31.1





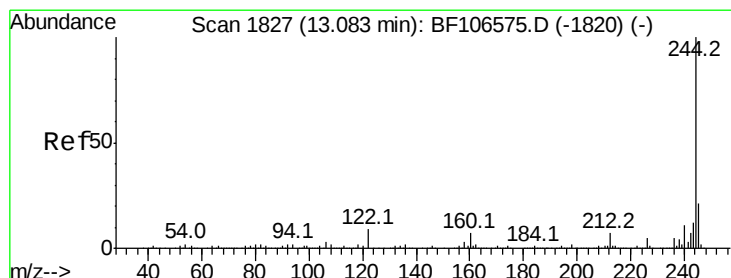
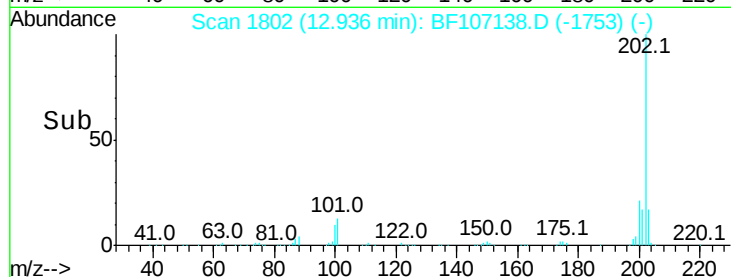
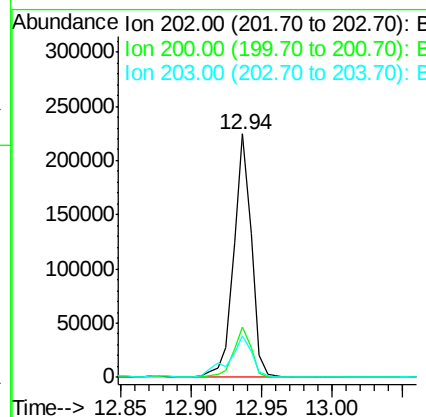
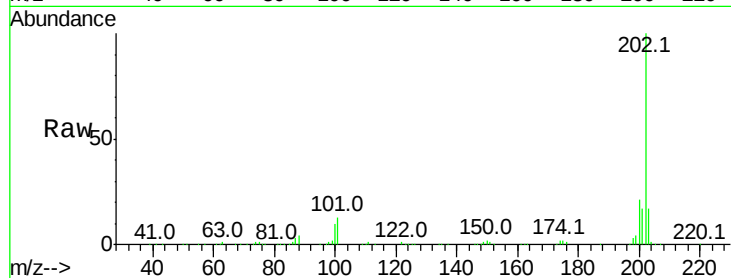
#77
Pvrene
Concen: 16.972 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampleId :
8782-AA

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.1	14.3	21.5

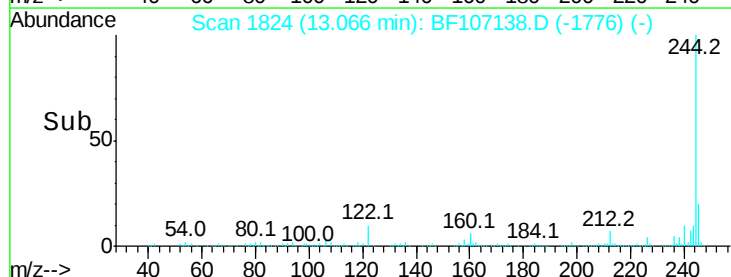
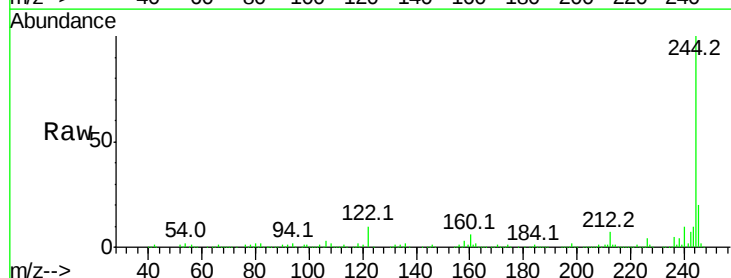
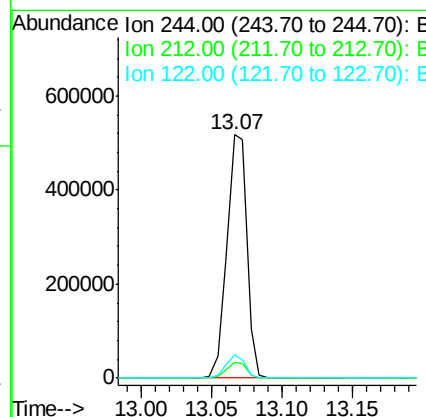
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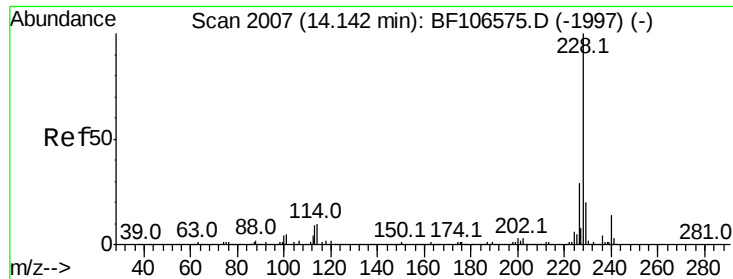
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#78
Terphenyl-d14
Concen: 70.697 ng
RT: 13.07 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.6	11.0	16.4#





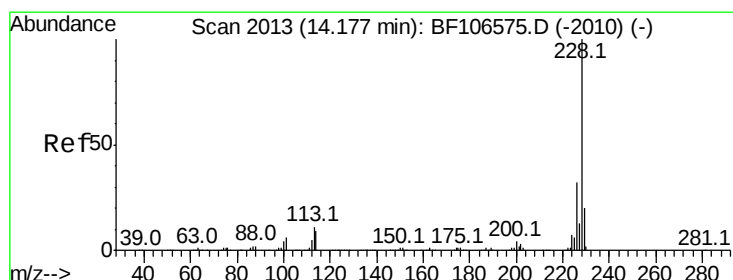
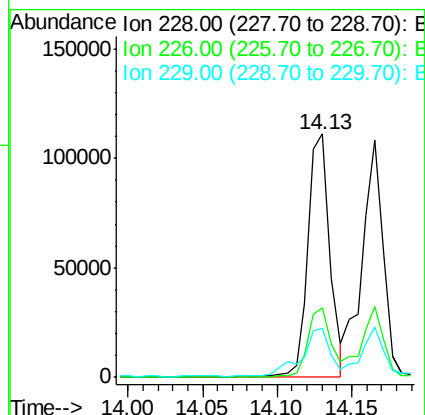
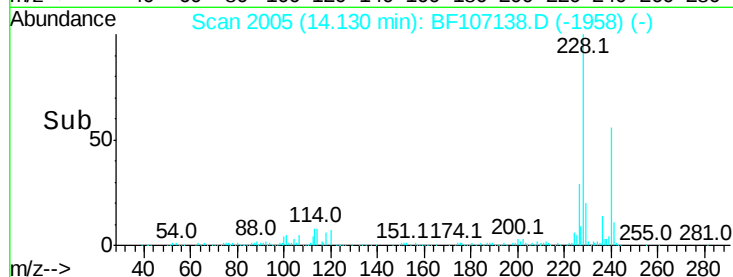
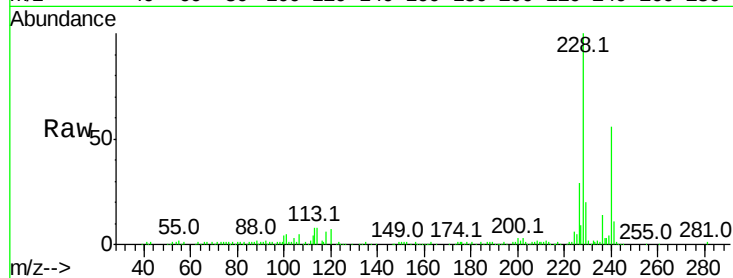
#80
Benzo(a)anthracene
Concen: 10.710 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampleId :
8782-AA

Tot Ion:228	Resp:	113710
Ion Ratio	Lower	Upper
228 100		
226 28.8	22.6	33.8
229 20.1	15.8	23.6

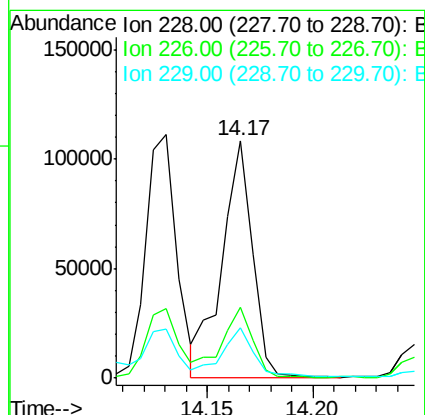
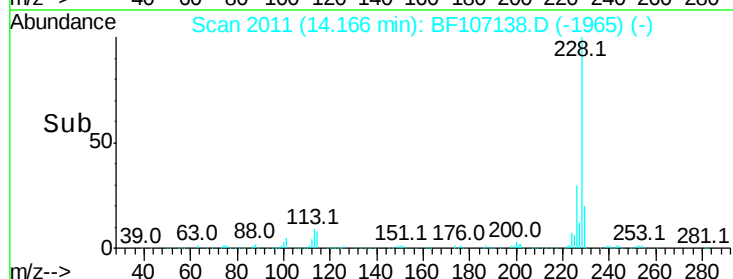
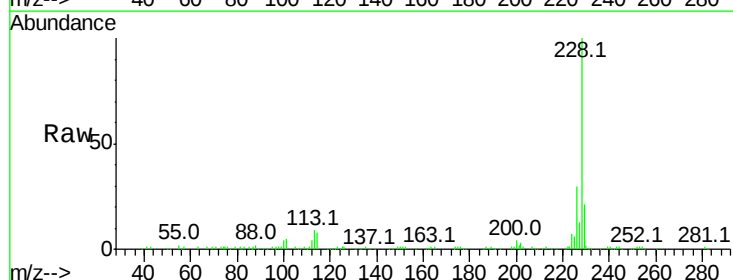
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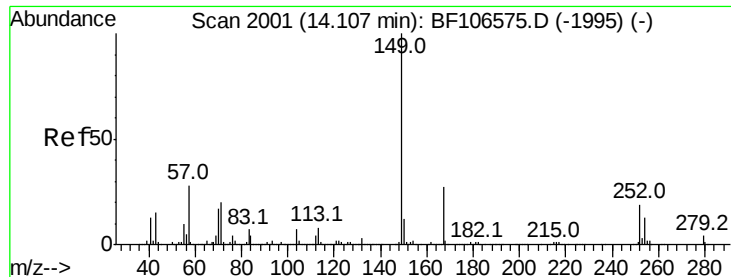
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#82
Chrysene
Concen: 11.083 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion:228	Resp:	108248
Ion Ratio	Lower	Upper
228 100		
226 29.8	25.0	37.6
229 21.3	16.2	24.4





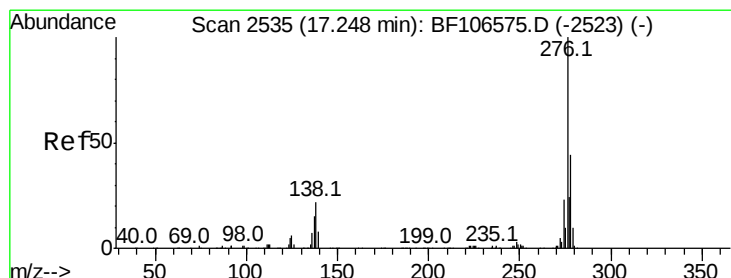
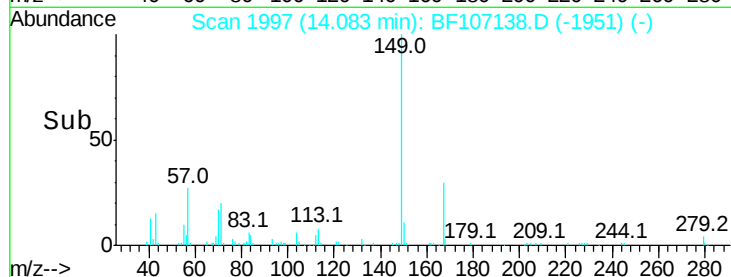
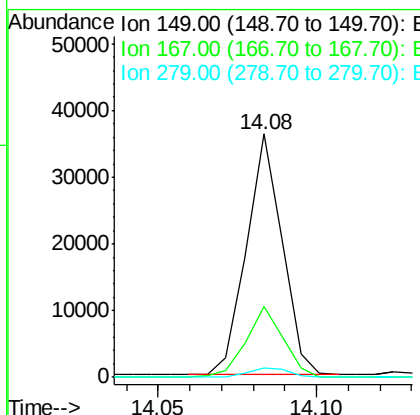
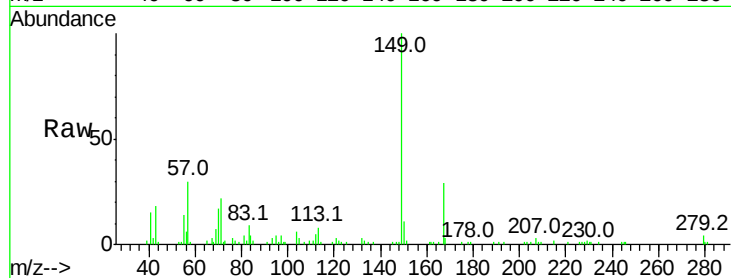
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.671 ng
RT: 14.08 min Scan# 1997
Delta R.T. -0.03 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampled :
8782-AA

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.3	21.3	31.9
279	3.9	3.0	4.4

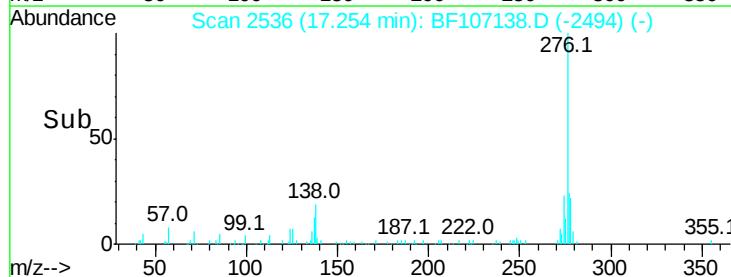
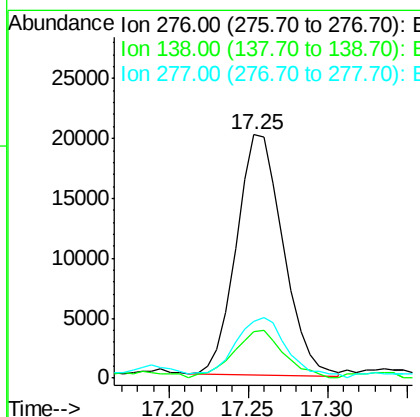
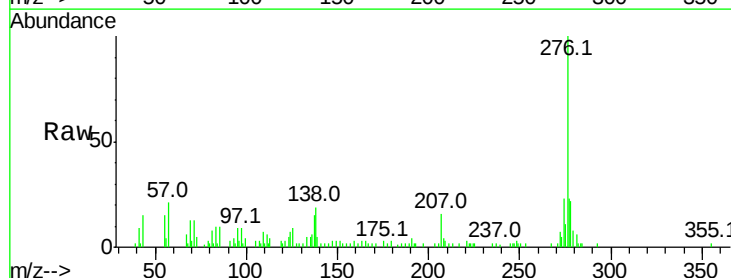
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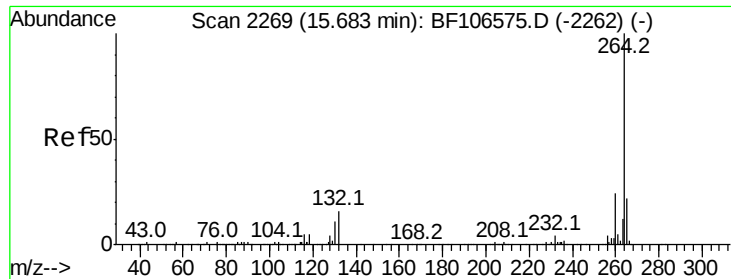
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.975 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.05 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	25.0	37.6#
277	28.2	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.04 min

Lab File: BF107138.D

Acq: 5 Jul 2018 20:26

Instrument :

BNA_F

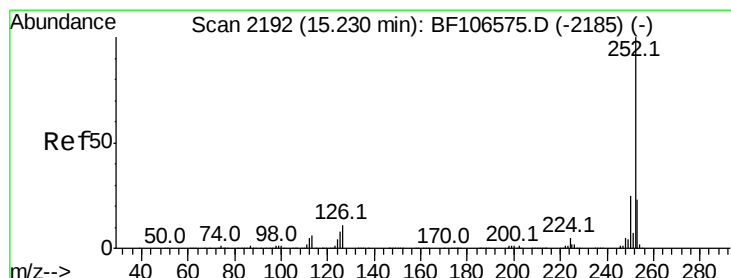
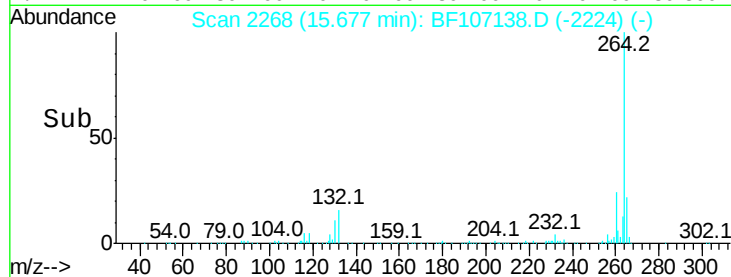
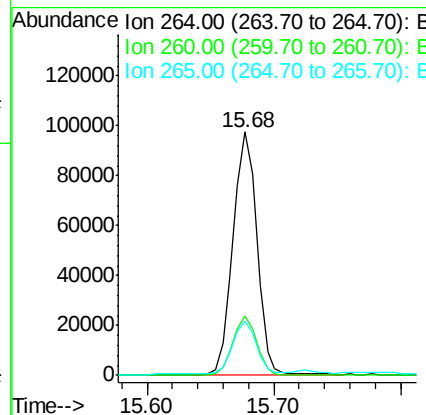
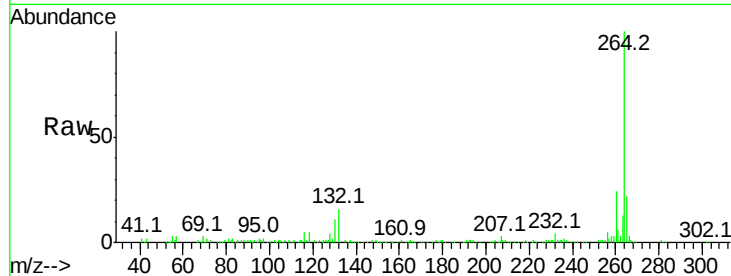
ClientSampleId :

8782-AA

Tot Ion:	264	Resp:	128211
Ion Ratio		Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.1	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 14.331 ng m

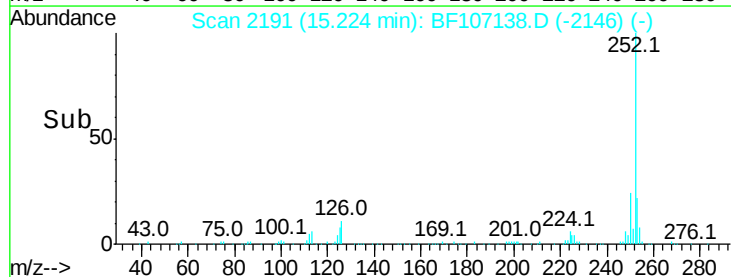
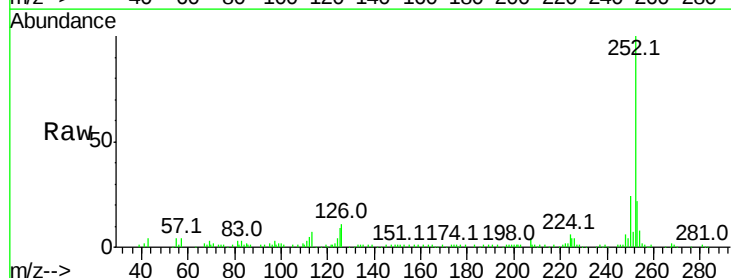
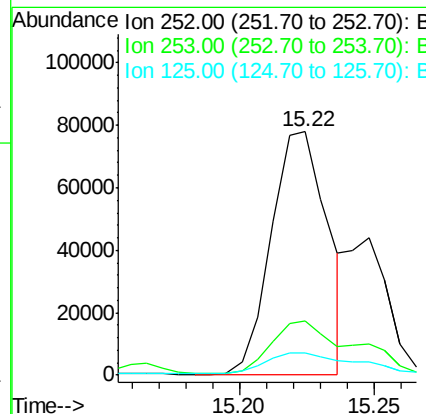
RT: 15.22 min Scan# 2191

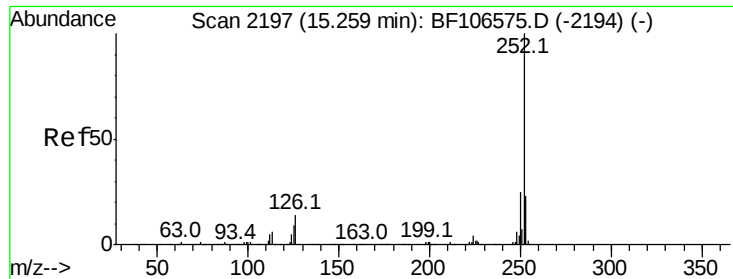
Delta R.T. -0.04 min

Lab File: BF107138.D

Acq: 5 Jul 2018 20:26

Tgt Ion:	252	Resp:	114135
Ion Ratio		Lower	Upper
252	100		
253	22.1	17.0	25.6
125	9.3	9.0	13.6





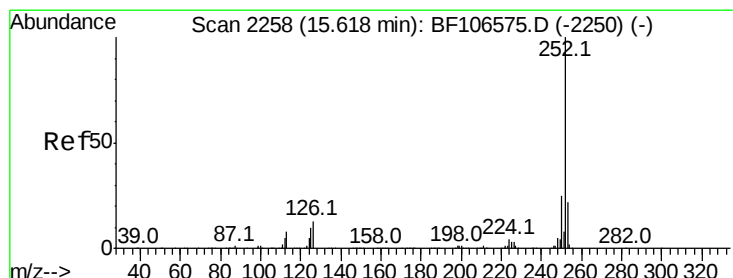
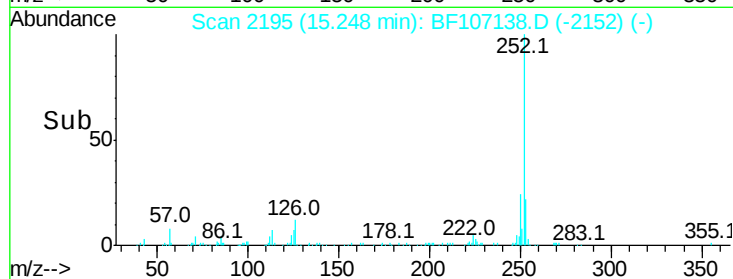
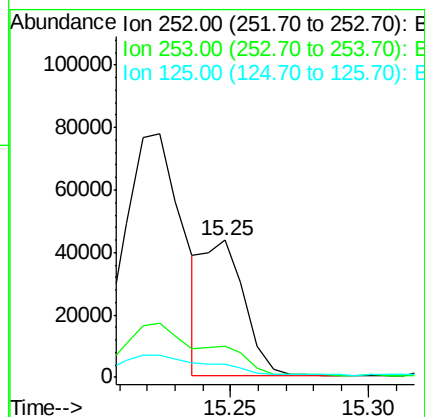
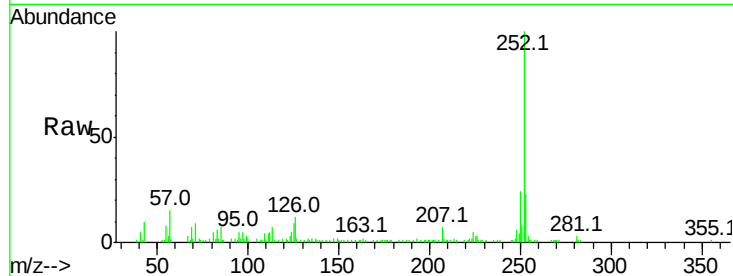
#88
Benzo(k)fluoranthene
Concen: 5.816 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Instrument :
BNA_F
ClientSampleId :
8782-AA

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.2	10.2	15.2#

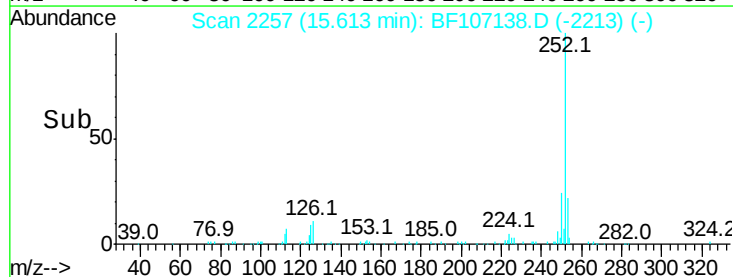
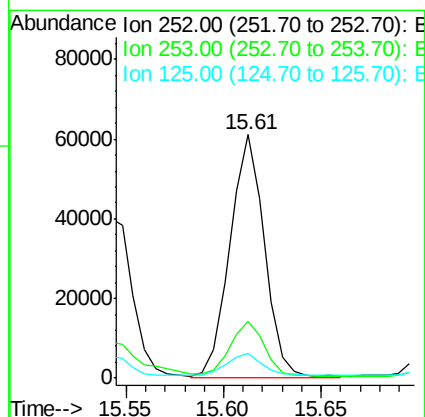
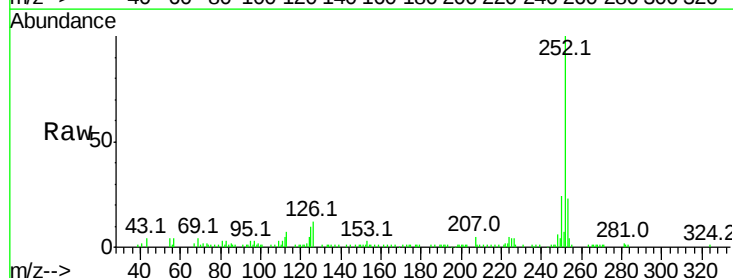
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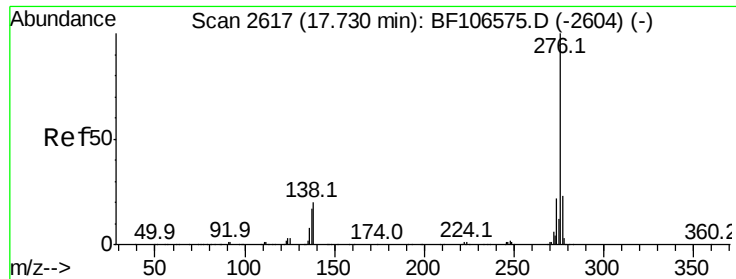
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#89
Benzo(a)pyrene
Concen: 10.584 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107138.D
Acq: 5 Jul 2018 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.864 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.05 min
 Lab File: BF107138.D
 Acq: 5 Jul 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :
 8782-AA

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.1	17.9	26.9
138	18.4	21.8	32.8

Manual Integrations
 APPROVED

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