

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102166.D
 Acq On : 17 Jan 2018 22:34
 Operator : SJ/JU
 Sample : J1154-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-1867-3407-4235

Manual Integrations
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 1/18/2018 11:12:35 AM

Quant Time: Jan 18 03:49:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	155968	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	608552	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	251535	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	345510	20.00	ng	0.00
75) Chrysene-d12	13.87	240	253463	20.00	ng	0.00
86) Perylene-d12	15.29	264	255711	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1095187	99.15	ng	0.02
7) Phenol-d6	6.36	99	1267793	96.20	ng	0.00
23) Nitrobenzene-d5	7.29	82	817196	78.91	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	224378	102.22	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1248067	77.52	ng	0.00
78) Terphenyl-d14	12.82	244	726444	59.51	ng	0.00
Target Compounds						
10) Phenol	6.37	94	54033	3.628	ng	Qvalue # 70
31) Naphthalene	8.02	128	125360	4.123	ng	99
49) Dimethylphthalate	9.47	163	202056	10.014	ng	99
57) Fluorene	10.30	166	35709	2.266	ng	98
70) Phenanthrene	11.26	178	259756	12.870	ng	99
71) Anthracene	11.31	178	56044	2.738	ng	99
74) Fluoranthene	12.44	202	339830	17.114	ng	97
77) Pyrene	12.67	202	296665	13.241	ng	99
80) Benzo(a)anthracene	13.86	228	153255	9.477	ng	96
82) Chrysene	13.89	228	137562	8.158	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	58441	4.762	ng	94
87) Benzo(b)fluoranthene	14.88	252	187396m	11.239	ng	
88) Benzo(k)fluoranthene	14.90	252	60287m	3.748	ng	
89) Benzo(a)pyrene	15.23	252	120428	8.027	ng	96
91) Benzo(a,h,i)perylene	17.07	276	56667	4.698	ng	98

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

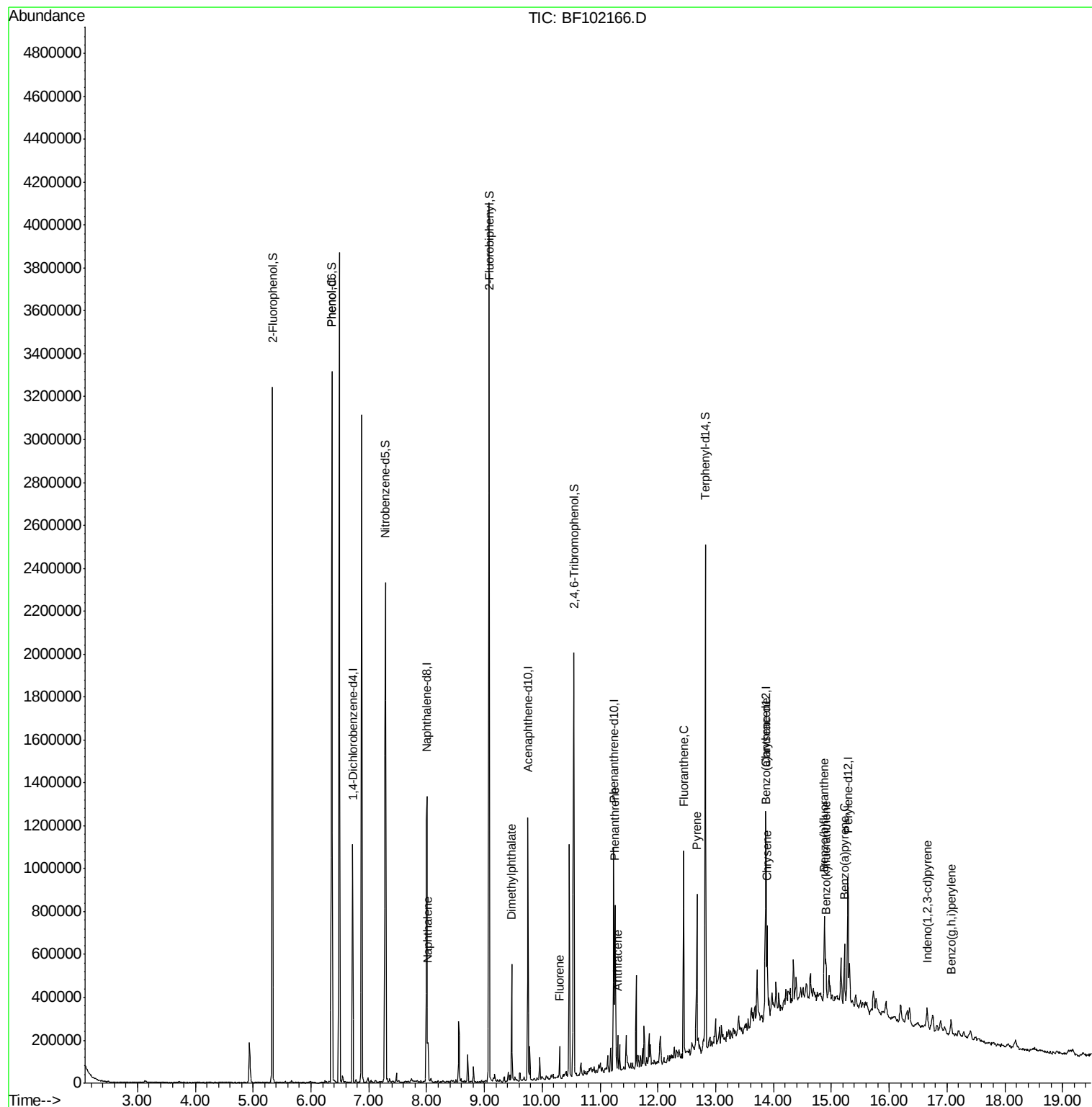
Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
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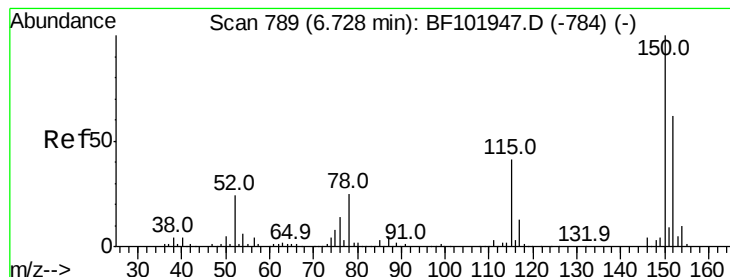
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#1

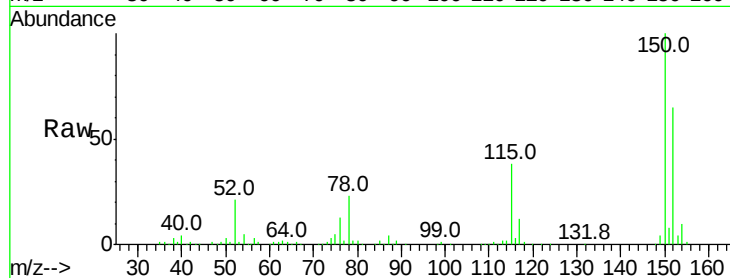
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Instrument :
BNA_F
ClientSampleId :
RT-1867-3407-4235

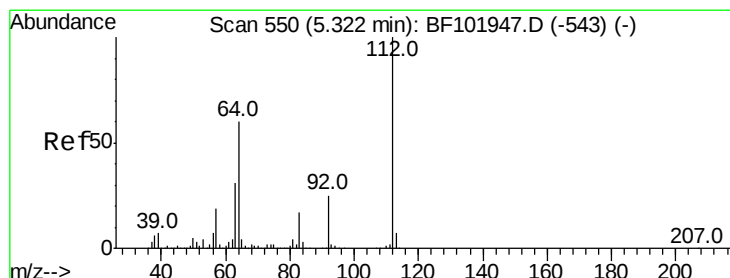
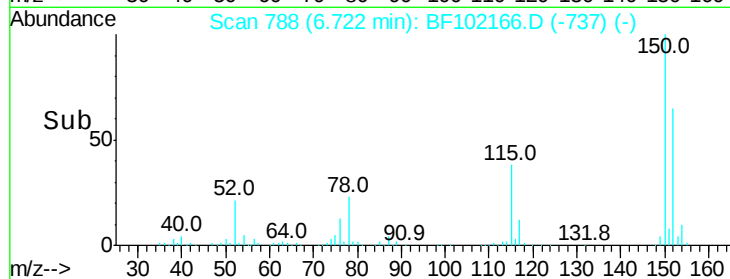
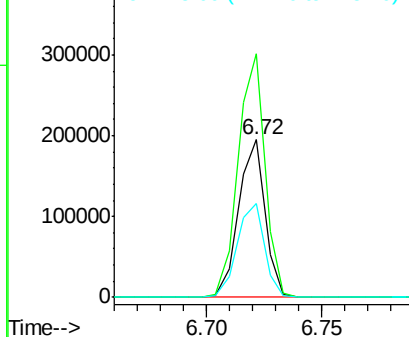
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	59.5	50.1	75.1

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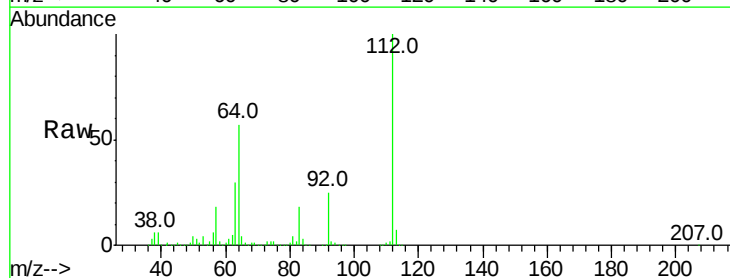
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



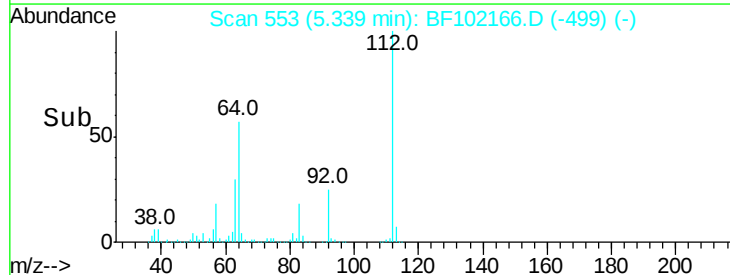
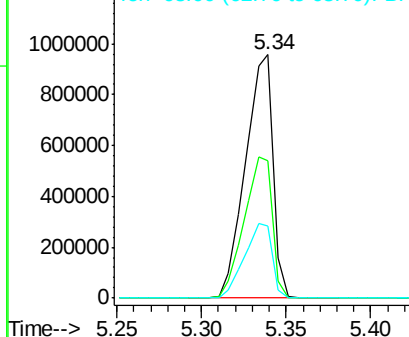
#5

2-Fluorophenol
Concen: 99.155 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	29.7	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: 96.204 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102166.D

Acq: 17 Jan 2018 22:34

Instrument :

BNA_F

ClientSampleId :

RT-1867-3407-4235

Tot Ion: 99 Resp: 1267793

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

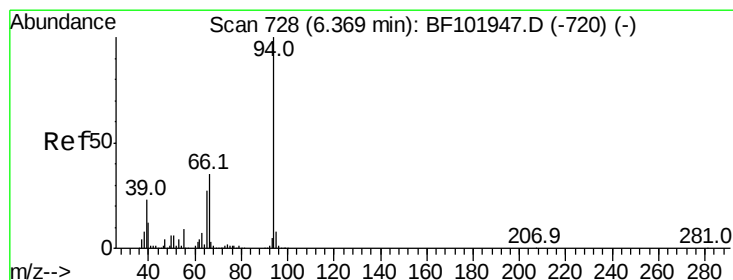
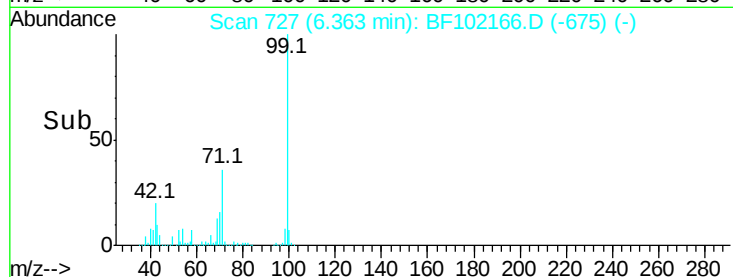
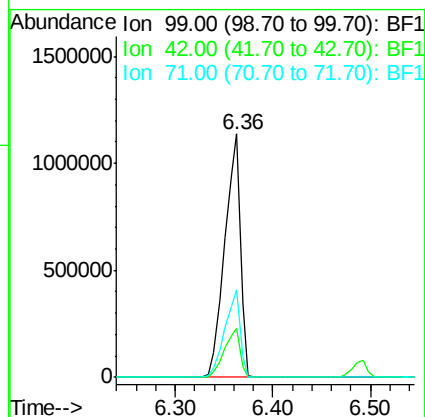
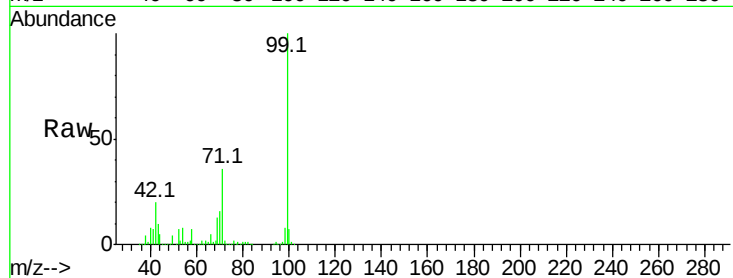
71 35.8 25.4 38.0

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#10

Phenol

Concen: 3.628 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102166.D

Acq: 17 Jan 2018 22:34

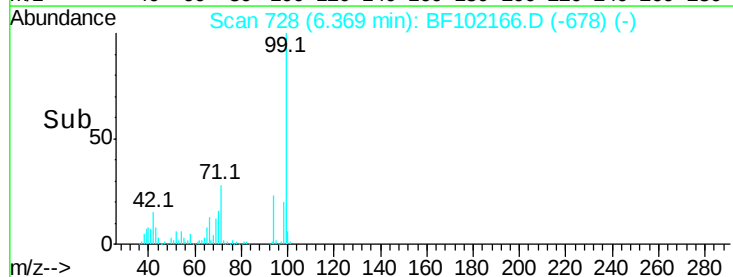
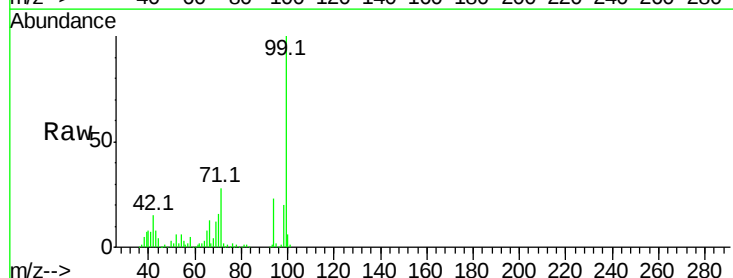
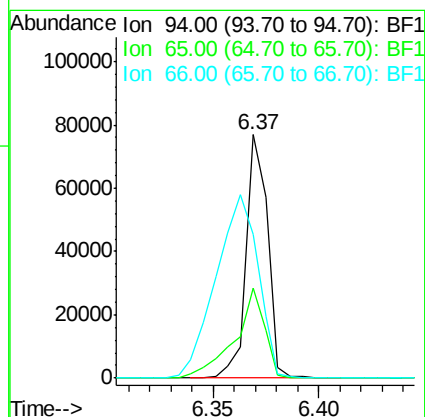
Tgt Ion: 94 Resp: 54033

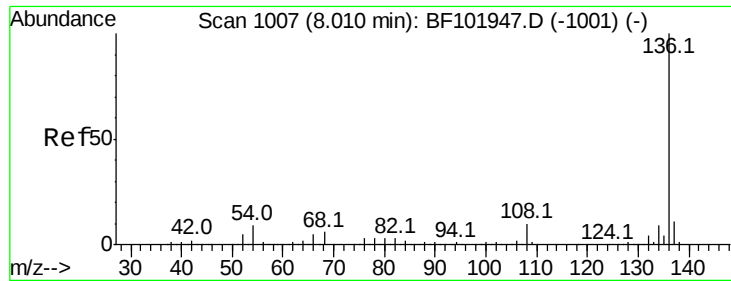
Ion Ratio Lower Upper

94 100

65 37.0 7.9 47.9

66 59.2 16.2 56.2#





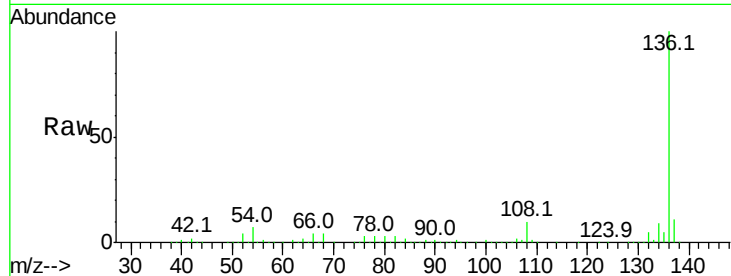
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Instrument :
BNA_F
ClientSampleId :
RT-1867-3407-4235

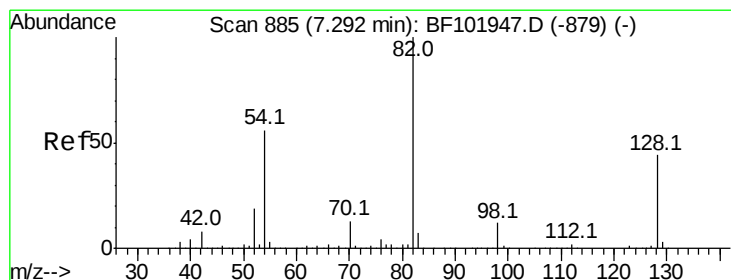
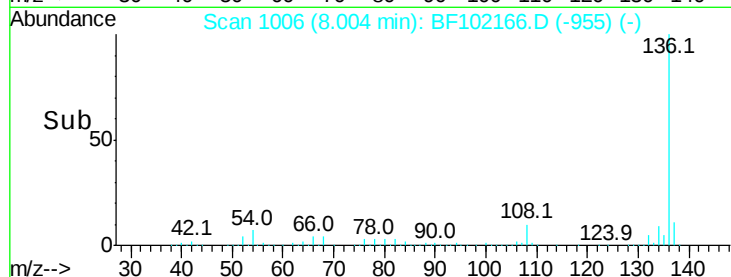
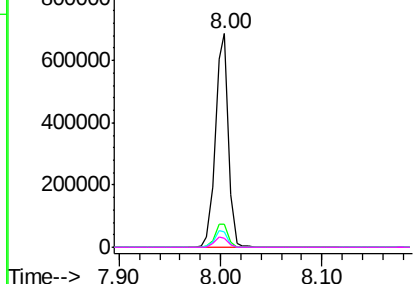
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	7.1	6.6	9.8	
68	4.4	5.0	7.4	

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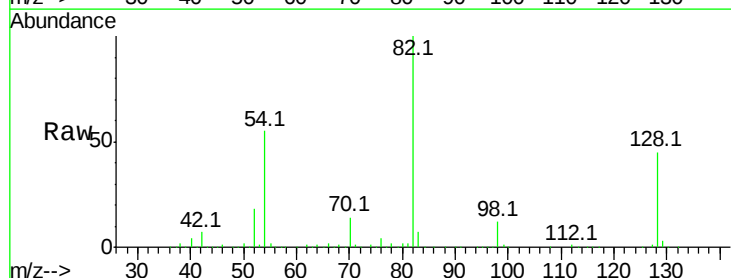


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

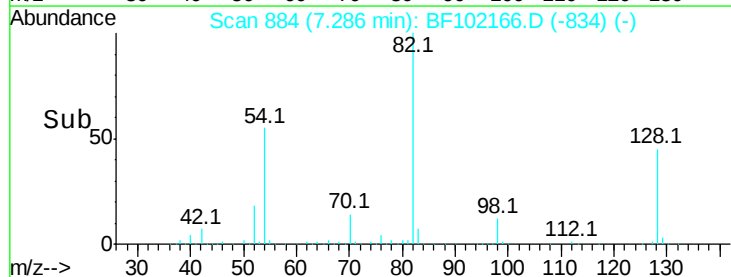
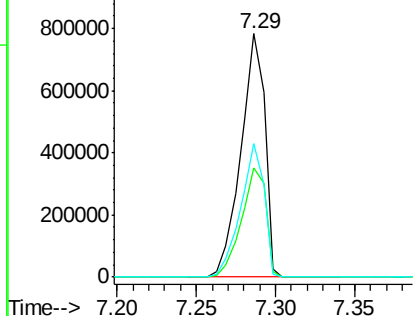


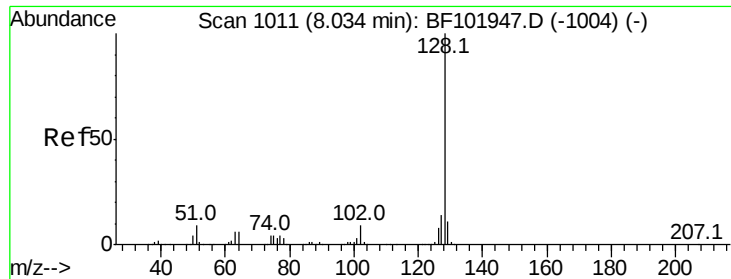
#23
Nitrobenzene-d5
Concen: 78.912 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.7	36.1	54.1	
54	54.8	41.4	62.2	



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





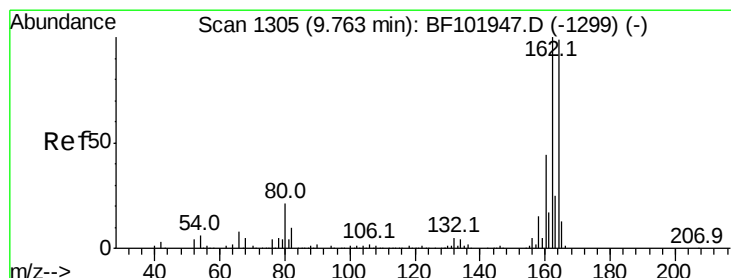
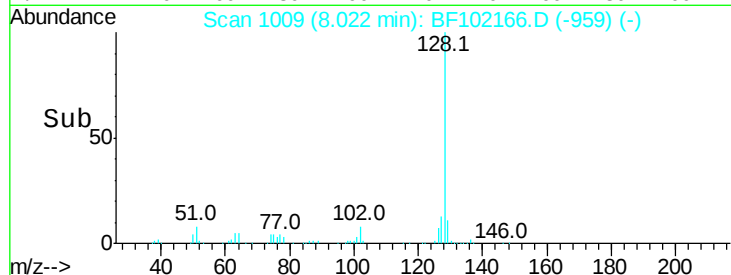
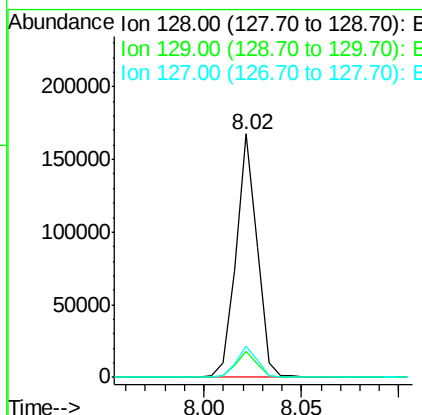
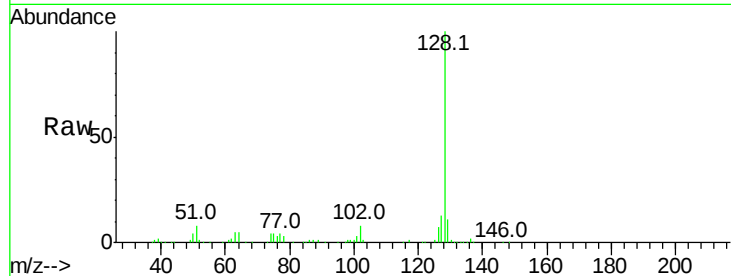
#31
Naphthalene
Concen: 4.123 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Instrument :
BNA_F
ClientSampleId :
RT-1867-3407-4235

Tot Ion	Ratio	Resp	Lower	Upper
128	100	125360		
129	10.8		8.8	13.2
127	12.8		10.9	16.3

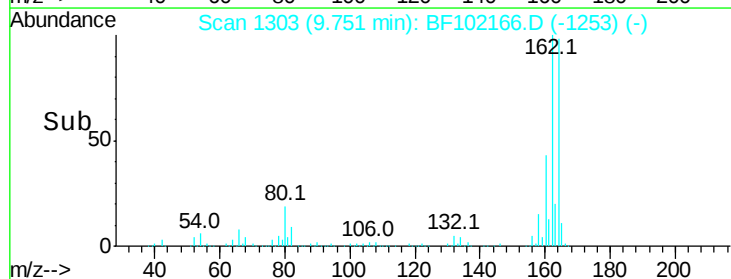
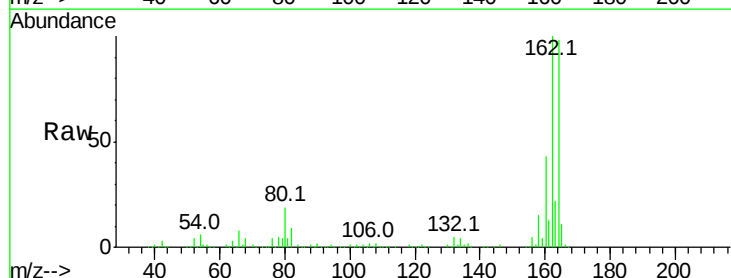
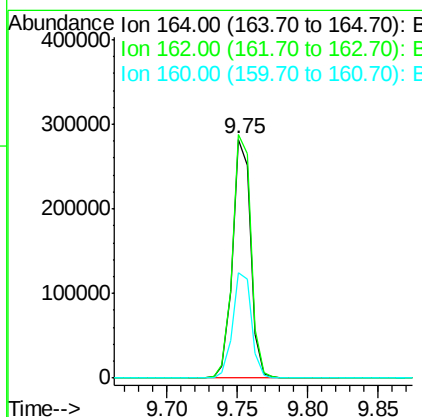
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	251535		
162	102.0		86.1	129.1
160	44.3		38.3	57.5





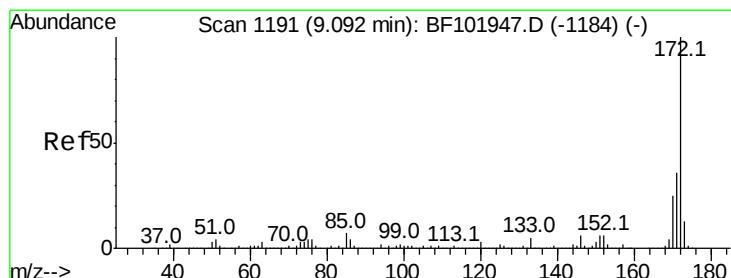
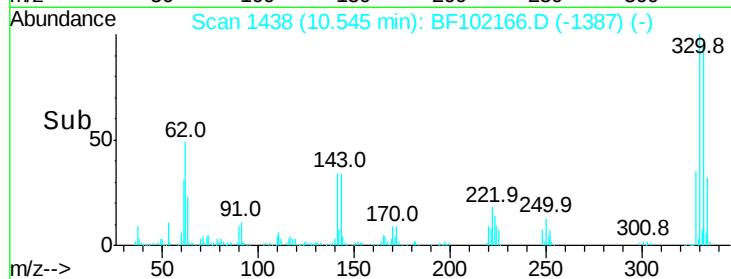
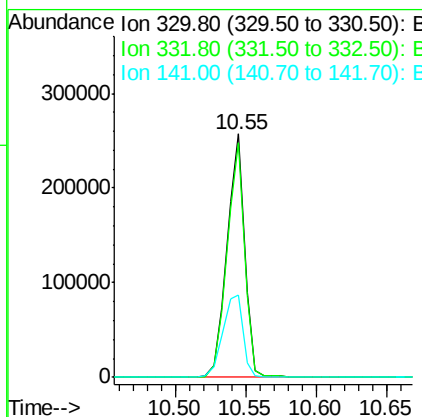
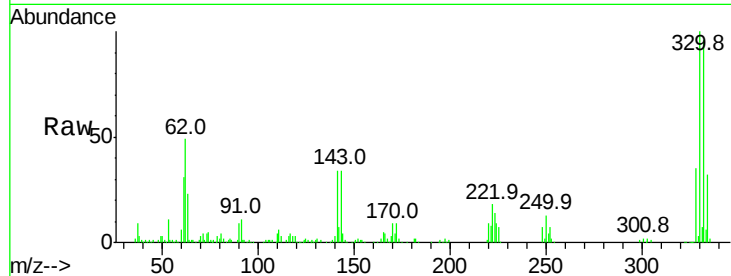
#41
 2,4,6-Tribromophenol
 Concen: 102.217 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102166.D
 Acq: 17 Jan 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :
 RT-1867-3407-4235

Tot Ion	Ratio	Resp	Lower	Upper
330	100	224378		
332	96.0	77.0	115.6	
141	38.7	29.9	44.9	

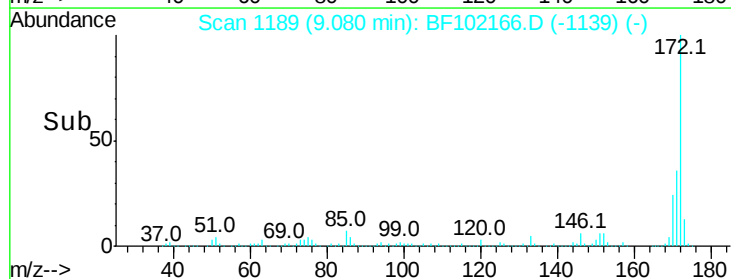
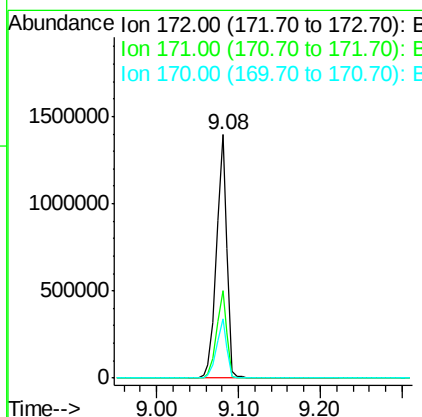
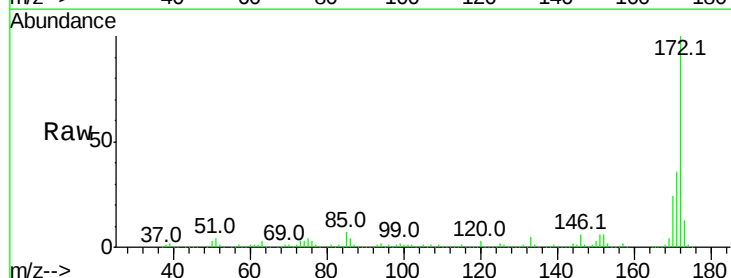
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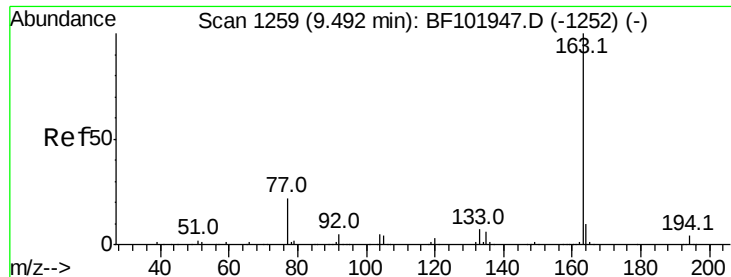
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#44
 2-Fluorobiphenyl
 Concen: 77.517 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102166.D
 Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1248067		
171	35.7	29.7	44.5	
170	24.4	19.6	29.4	





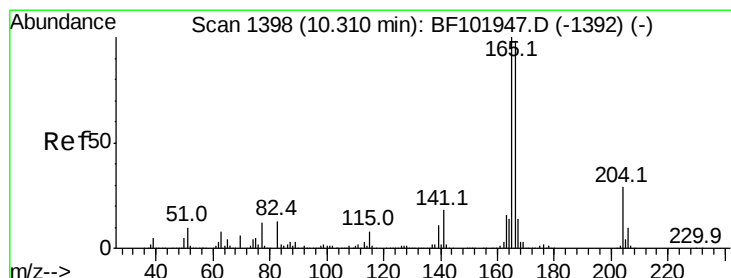
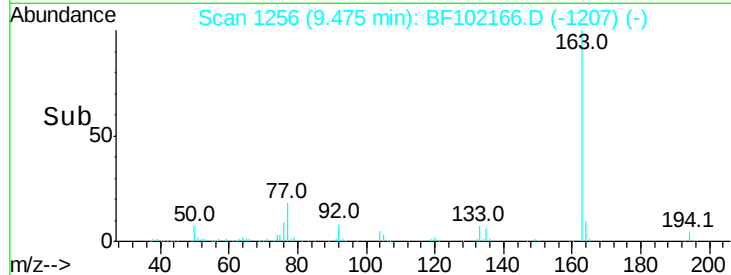
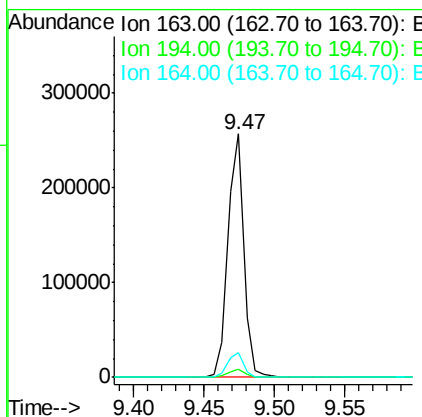
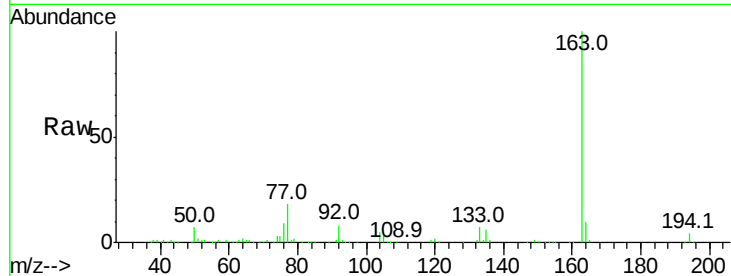
#49
Dimethylphthalate
Concen: 10.014 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	10.4	8.2	12.2	

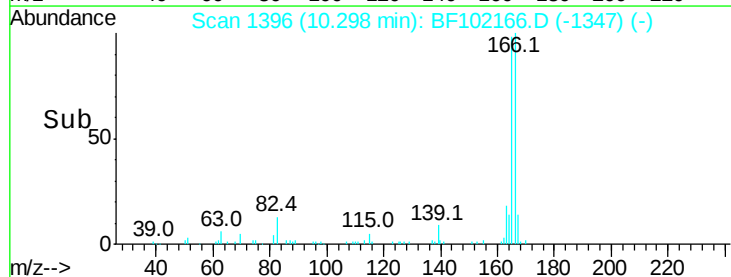
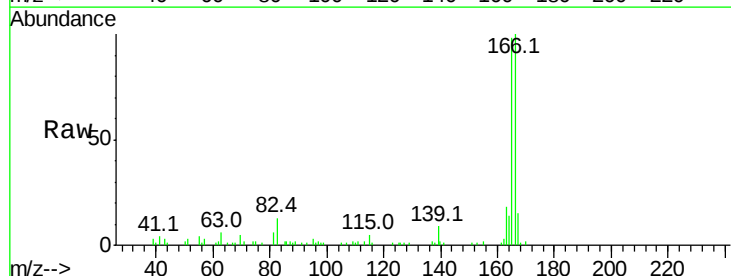
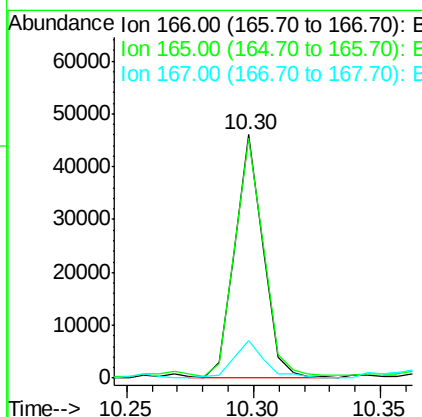
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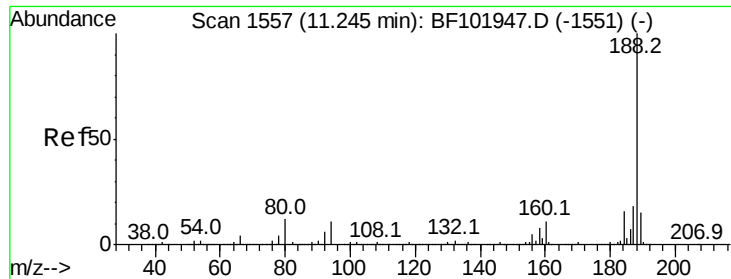
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#57
Fluorene
Concen: 2.266 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.3	79.8	119.8	
167	15.4	10.6	16.0	





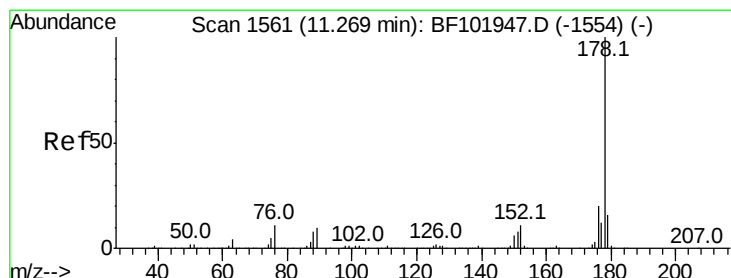
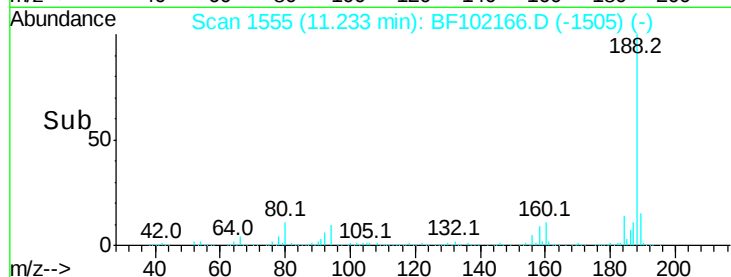
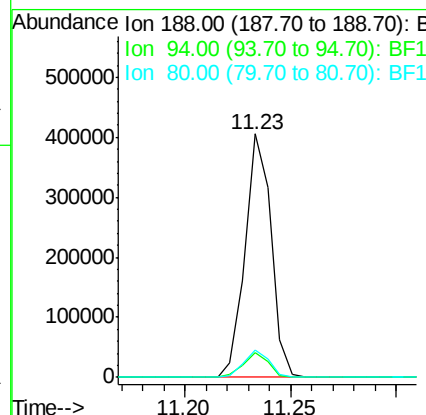
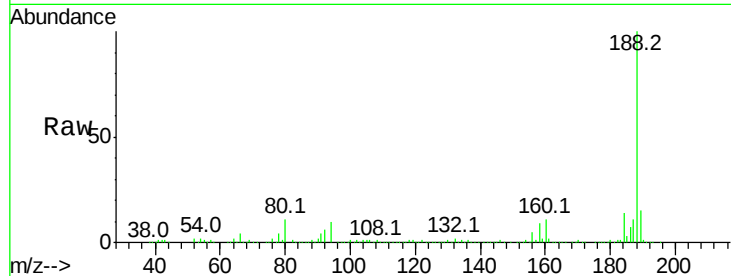
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102166.D
 Acq: 17 Jan 2018 22:34

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	345510		
94	10.2		8.5	12.7
80	11.1		9.2	13.8

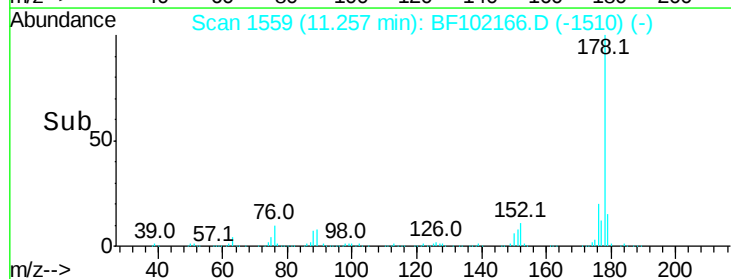
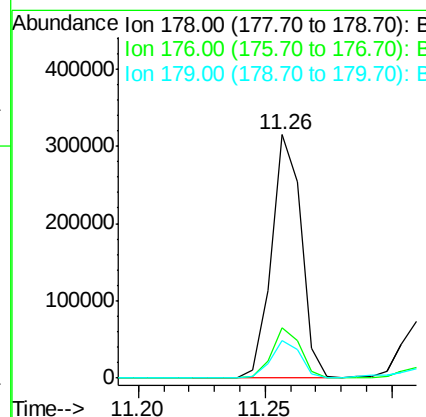
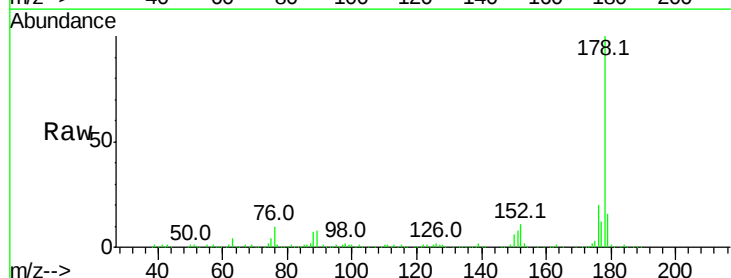
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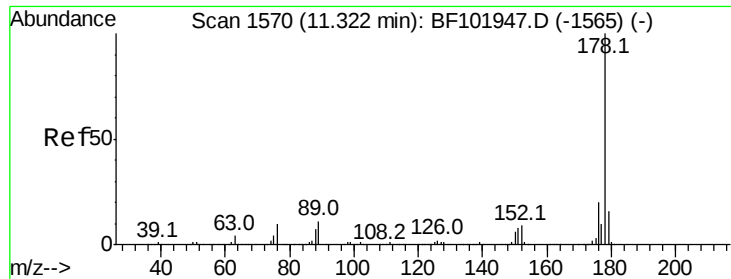
Sohil
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#70
 Phenanthrene
 Concen: 12.870 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102166.D
 Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	259756		
176	20.4		15.8	23.8
179	15.6		13.0	19.6





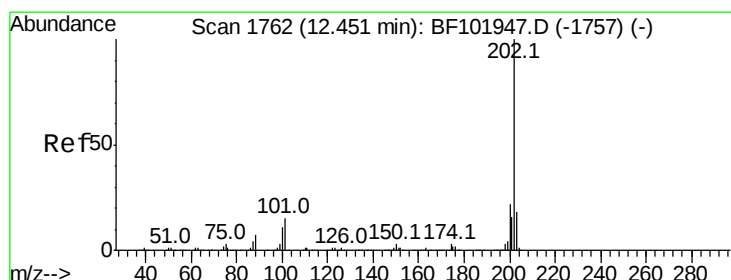
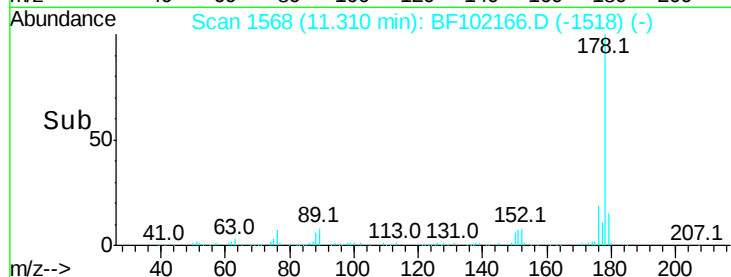
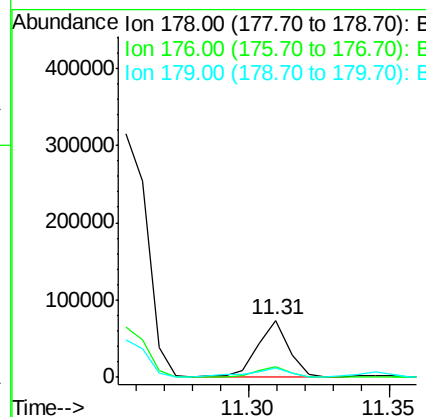
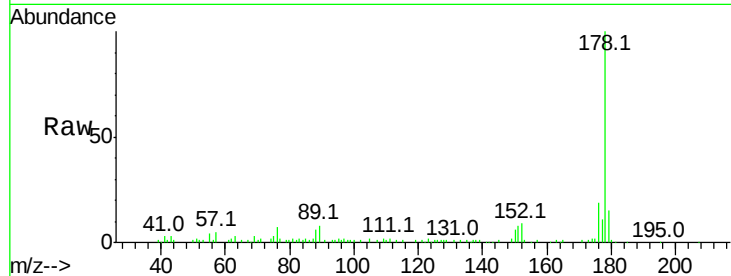
#71
 Anthracene
 Concen: 2.738 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102166.D
 Acq: 17 Jan 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :
 RT-1867-3407-4235

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.3	12.6	19.0

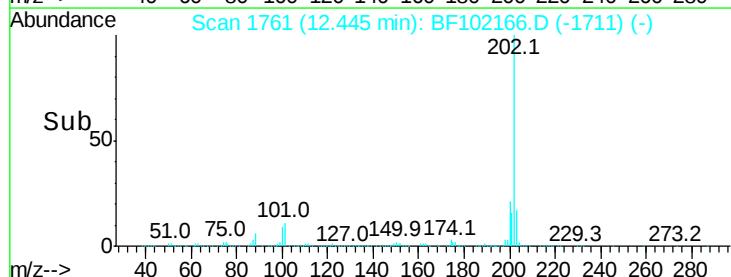
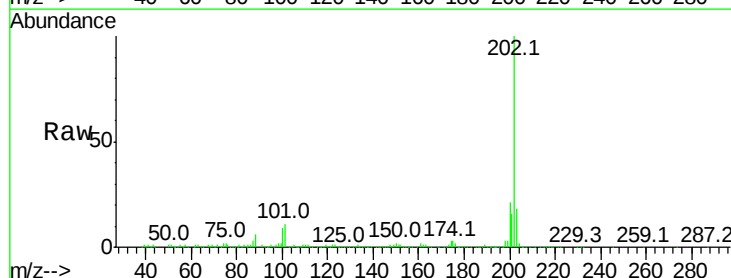
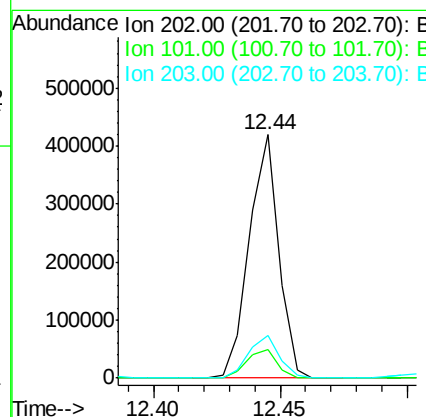
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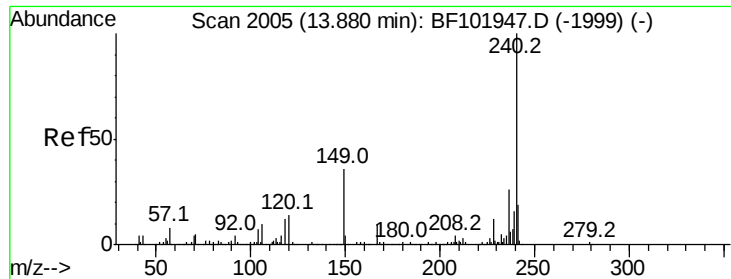
Sohil
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#74
 Fluoranthene
 Concen: 17.114 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF102166.D
 Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102166.D

Acq: 17 Jan 2018 22:34

Instrument :

BNA_F

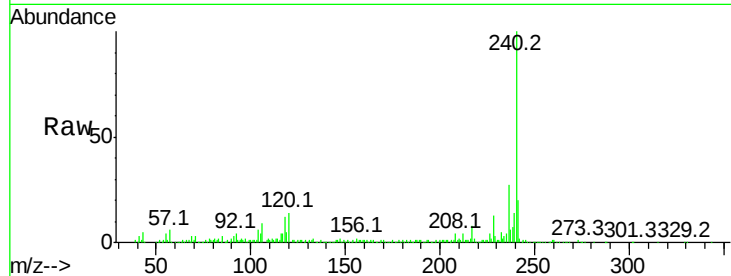
ClientSampleId :

RT-1867-3407-4235

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.5	14.3
236	27.1	20.7	31.1

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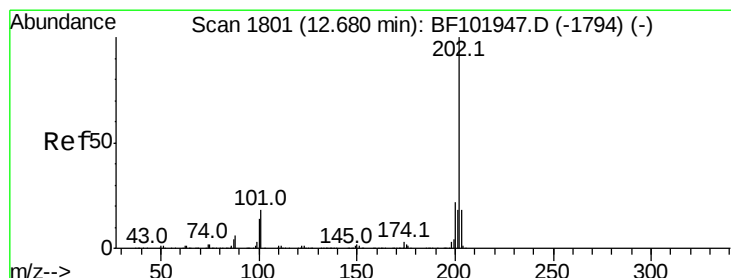
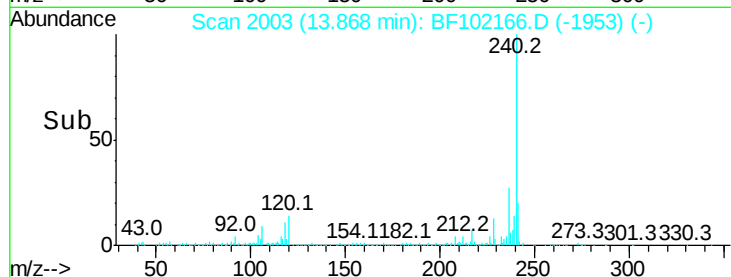
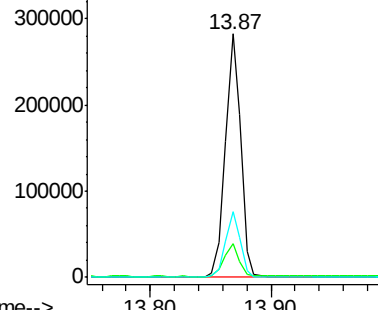
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.241 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102166.D

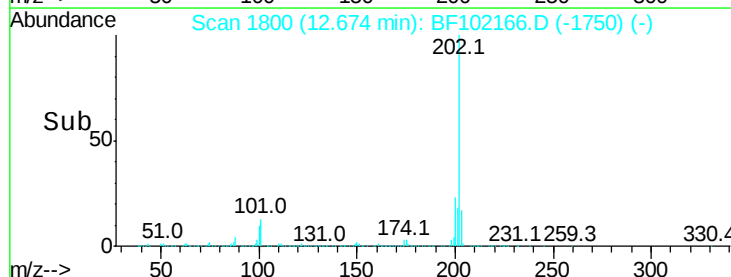
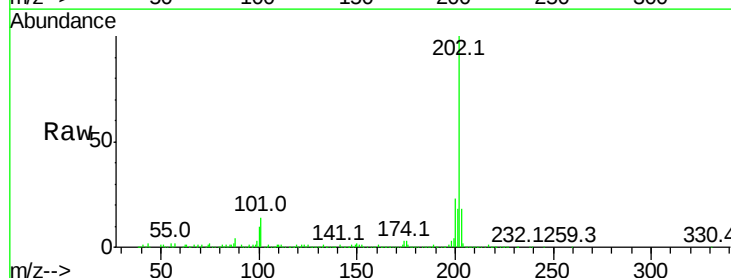
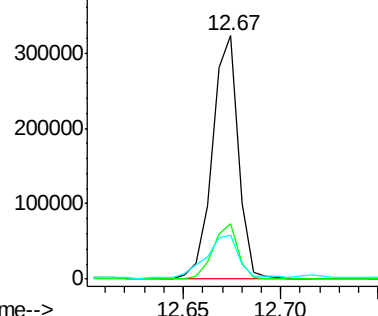
Acq: 17 Jan 2018 22:34

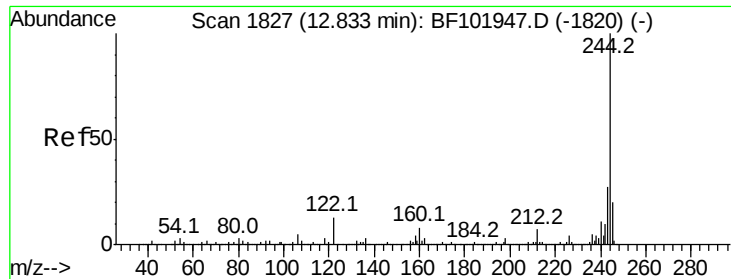
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.4	26.2
203	17.8	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.507 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102166.D

Acq: 17 Jan 2018 22:34

Instrument :

BNA_F

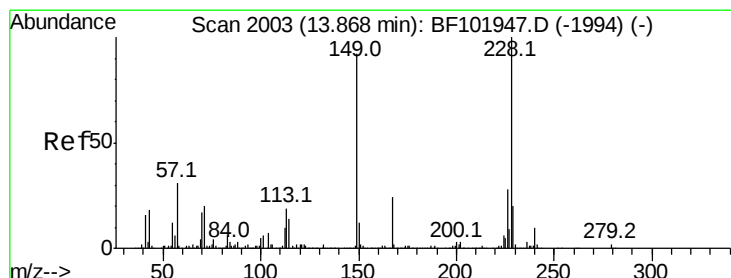
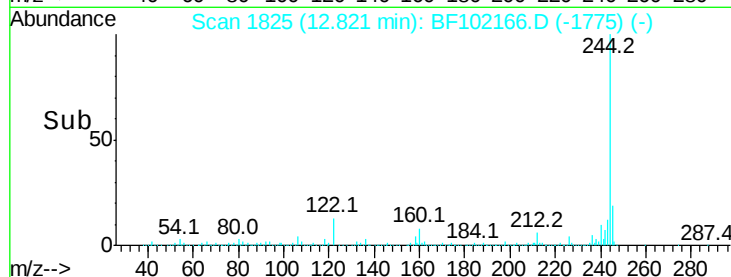
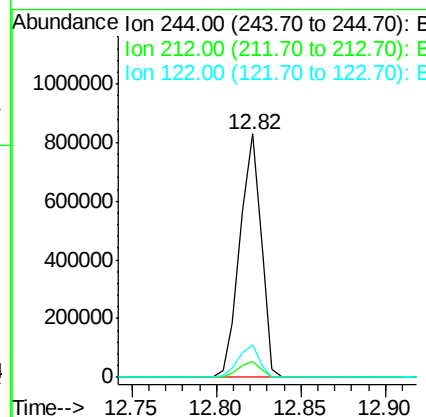
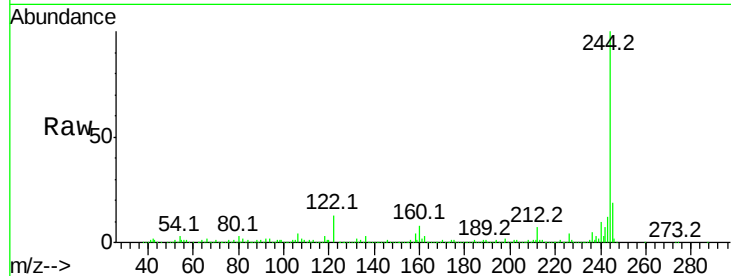
ClientSampleId :

RT-1867-3407-4235

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	13.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 9.477 ng

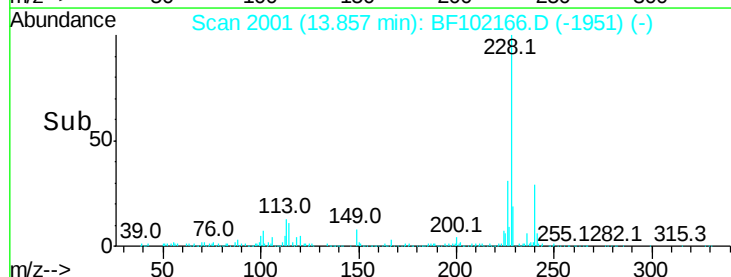
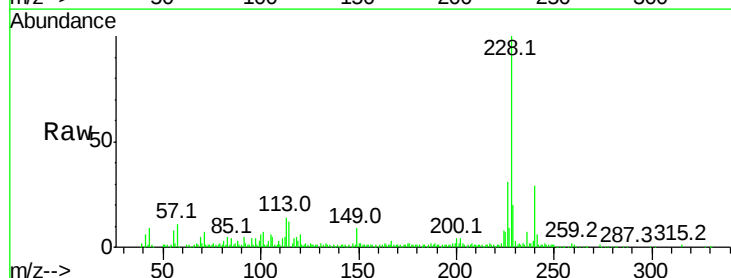
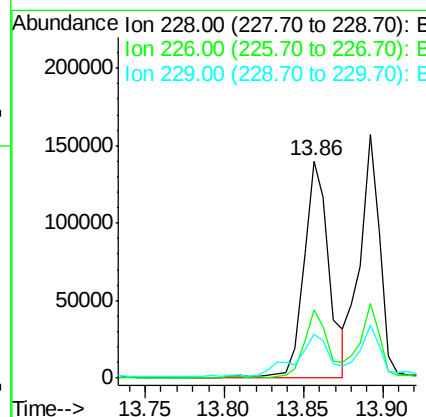
RT: 13.86 min Scan# 2001

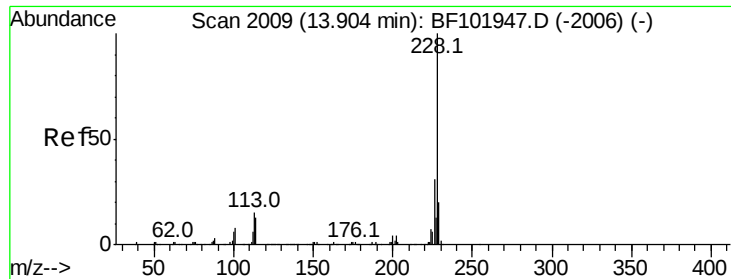
Delta R.T. -0.01 min

Lab File: BF102166.D

Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 8.158 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF102166.D

Acq: 17 Jan 2018 22:34

Instrument :

BNA_F

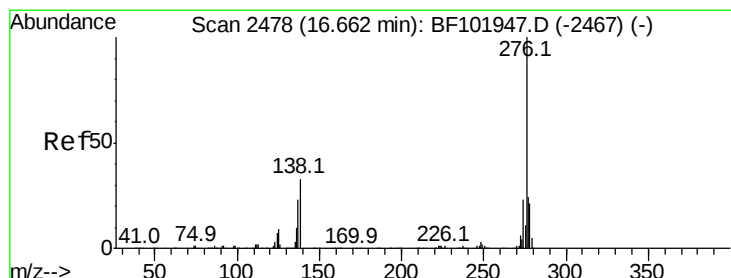
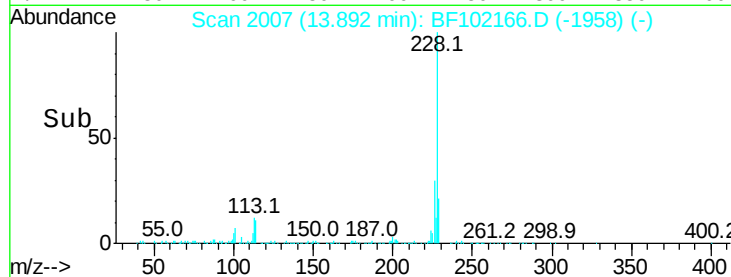
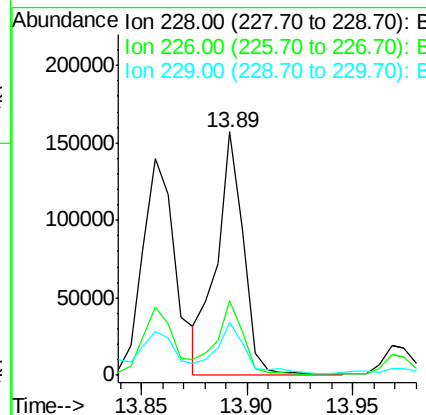
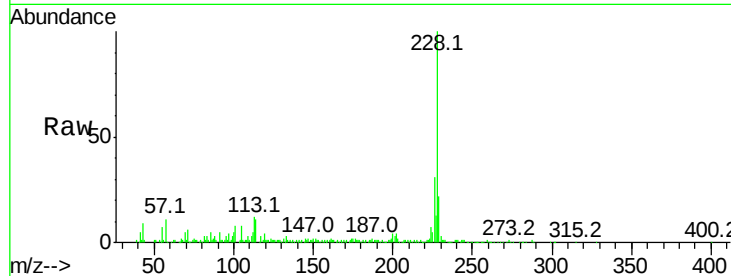
ClientSampleId :

RT-1867-3407-4235

Tot Ion:228	Resp:	137562
Ion Ratio	Lower	Upper
228 100		
226 30.8	25.0	37.6
229 21.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.762 ng

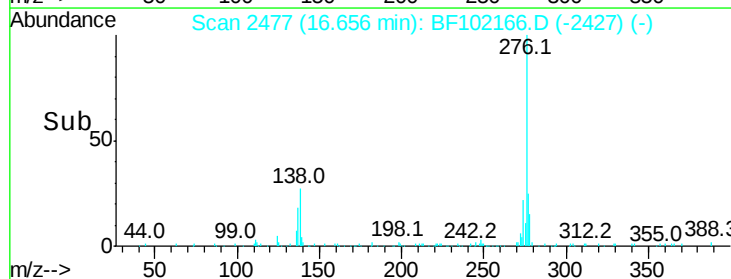
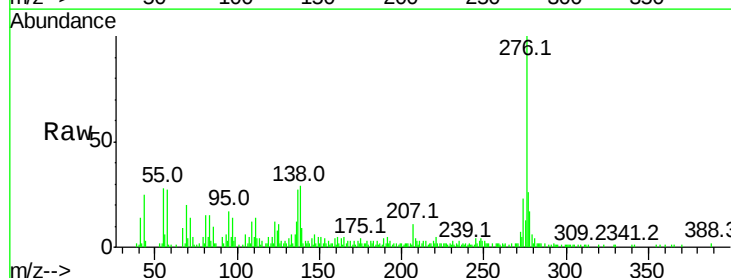
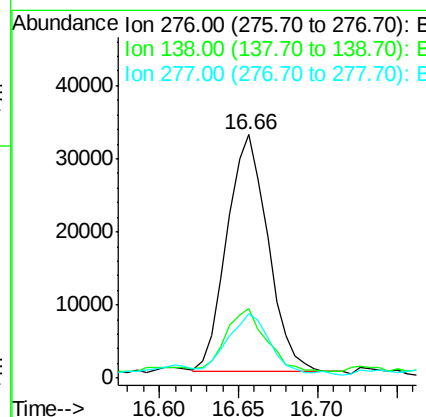
RT: 16.66 min Scan# 2477

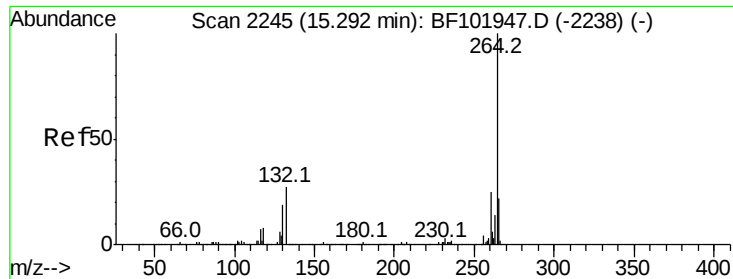
Delta R.T. -0.01 min

Lab File: BF102166.D

Acq: 17 Jan 2018 22:34

Tgt Ion:276	Resp:	58441
Ion Ratio	Lower	Upper
276 100		
138 27.4	25.0	37.6
277 27.1	20.1	30.1





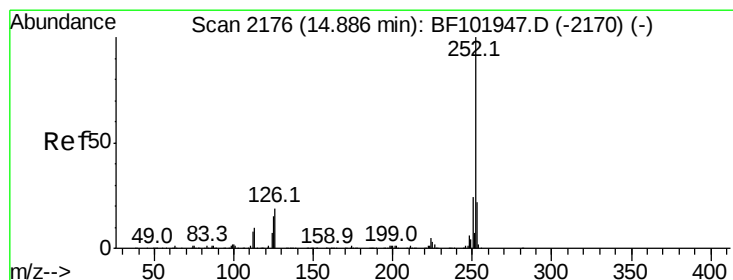
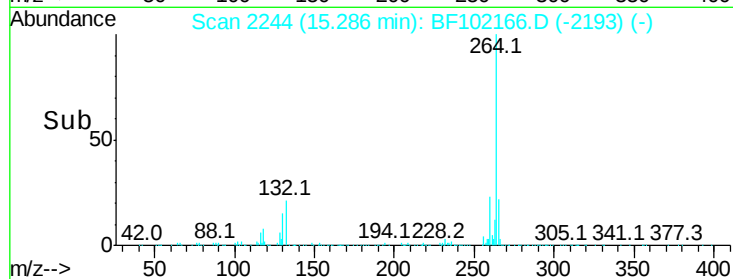
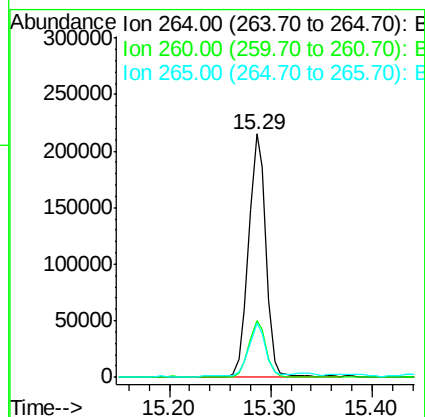
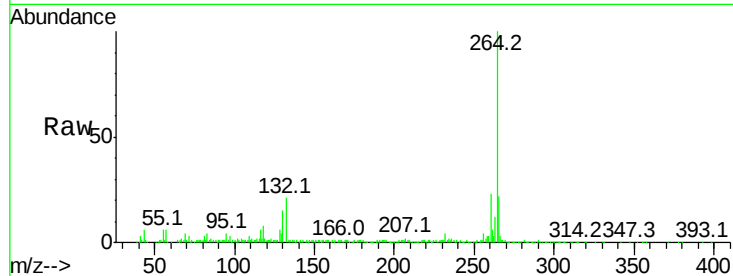
#86
Pervlène-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Instrument :
BNA_F
ClientSampleId :
RT-1867-3407-4235

Tot Ion:	264	Resp:	255711
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	22.4	17.5	26.3

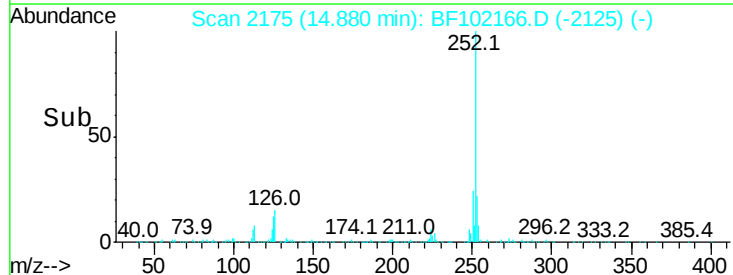
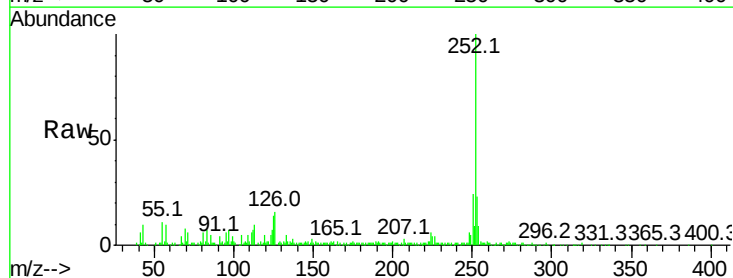
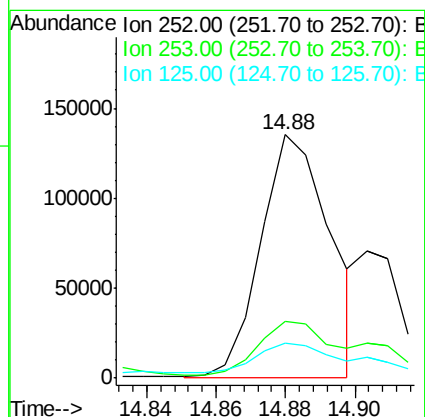
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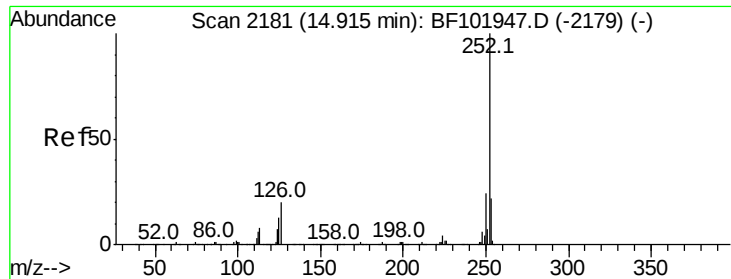
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#87
Benzo(b)fluoranthene
Concen: 11.239 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Tgt Ion:	252	Resp:	187396
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	14.2	9.0	13.6#





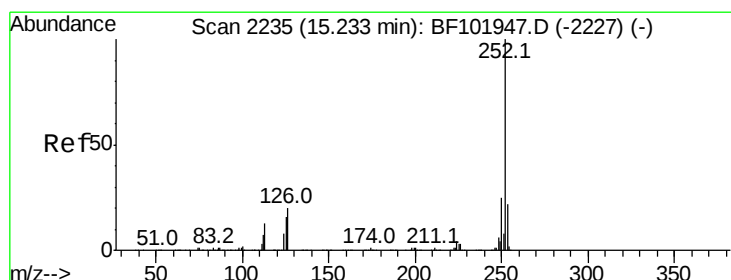
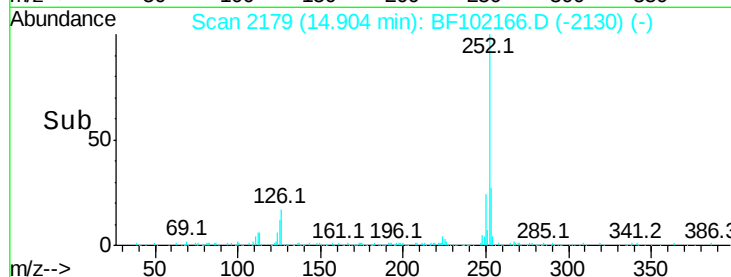
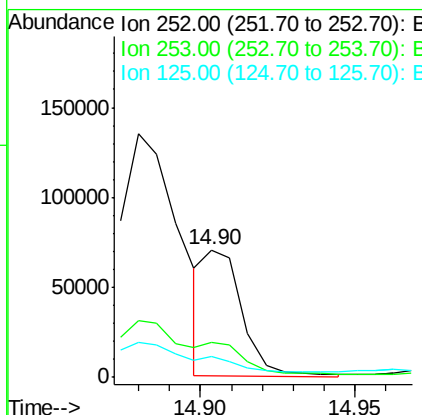
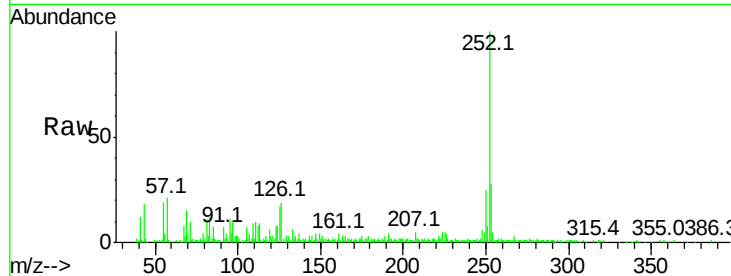
#88
Benzo(k)fluoranthene
Concen: 3.748 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Instrument :
BNA_F
ClientSampleId :
RT-1867-3407-4235

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.9	26.9#
125	16.8	10.2	15.2#

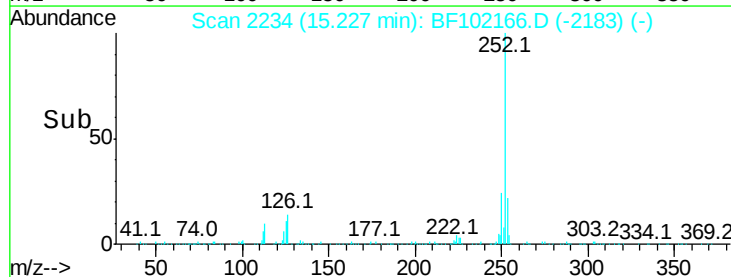
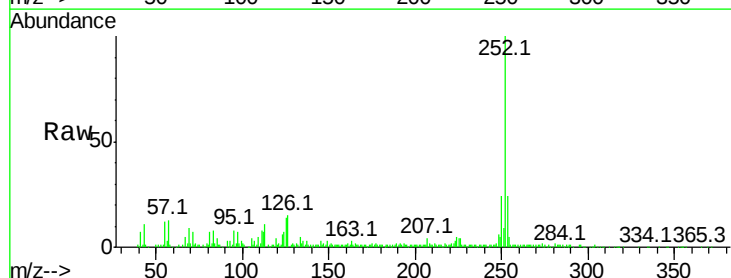
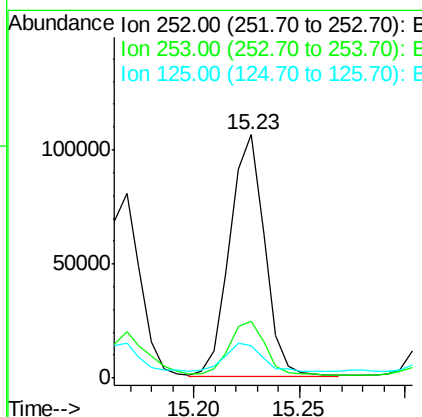
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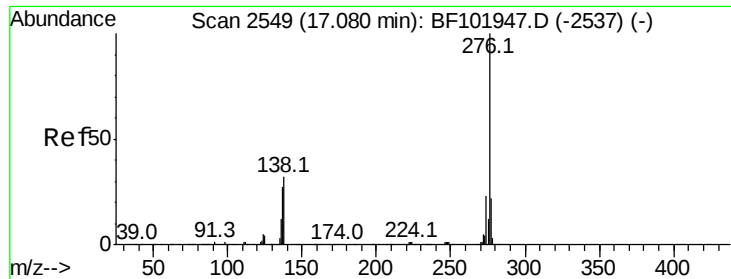
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#89
Benzo(a)pyrene
Concen: 8.027 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF102166.D
Acq: 17 Jan 2018 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.698 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF102166.D
 Acq: 17 Jan 2018 22:34

Instrument :
 BNA_F
 ClientSampleId :
 RT-1867-3407-4235

Tot Ion:	276	Resp:	56667
Ion Ratio	Lower	Upper	
276	100		
277	22.0	17.9	26.9
138	25.9	21.8	32.8

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