

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102071.D
 Acq On : 15 Jan 2018 19:07
 Operator : SJ/JU
 Sample : J1022-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-011218

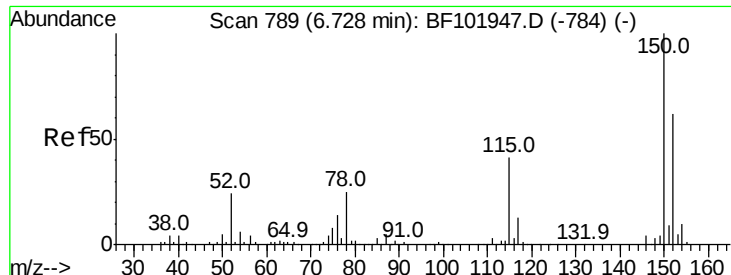
Manual Integrations
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Quant Time: Jan 16 00:24:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	235343	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	934397	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	373268	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	512372	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	399944	20.00	ng	-0.01
86) Perylene-d12	15.29	264	371016	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1463132	87.79	ng	0.00
7) Phenol-d6	6.36	99	1733271	87.17	ng	0.00
23) Nitrobenzene-d5	7.29	82	1084561	68.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	264757	81.28	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1485182	62.16	ng	-0.01
78) Terphenyl-d14	12.82	244	847617	44.00	ng	-0.01
Target Compounds						
10) Phenol	6.37	94	53760	2.392	ng	91
49) Dimethylphthalate	9.47	163	171157	5.716	ng	99
70) Phenanthrene	11.26	178	210841	7.045	ng	99
71) Anthracene	11.31	178	71959	2.371	ng	95
74) Fluoranthene	12.44	202	315455	10.713	ng	97
77) Pyrene	12.67	202	300773	8.508	ng	98
80) Benzo(a)anthracene	13.86	228	152799m	5.988	ng	
82) Chrysene	13.89	228	155268m	5.835	ng	
85) Indeno(1,2,3-cd)pyrene	16.65	276	67560	3.489	ng	98
87) Benzo(b)fluoranthene	14.88	252	200340m	8.281	ng	
88) Benzo(k)fluoranthene	14.90	252	61538m	2.637	ng	
89) Benzo(a)pyrene	15.23	252	135242	6.213	ng	# 96
91) Benzo(a,h,i)perylene	17.07	276	61315	3.504	ng	94

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



#1

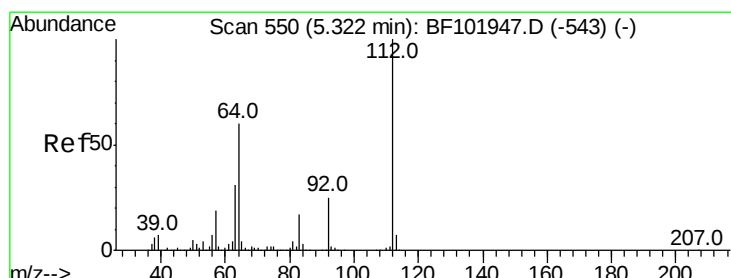
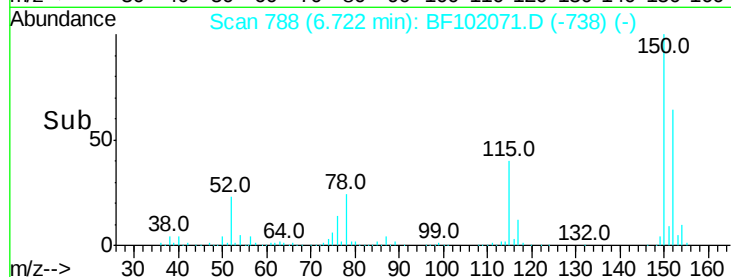
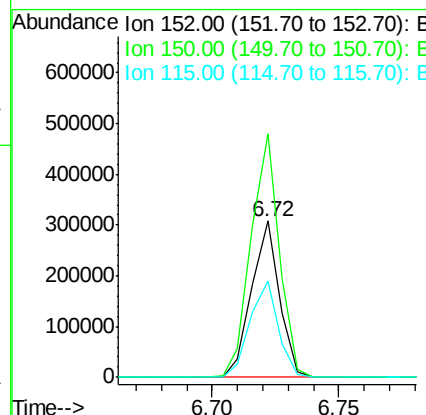
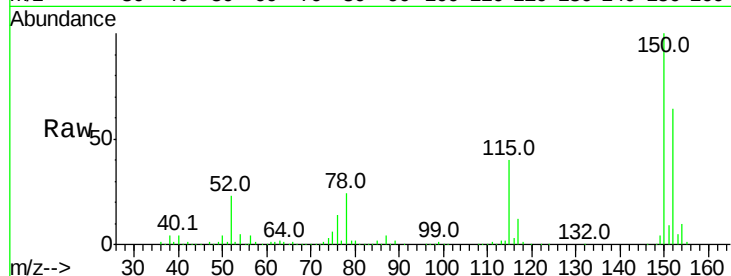
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Instrument :
BNA_F
ClientSampleId :
SU-03-011218

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	61.7	50.1	75.1

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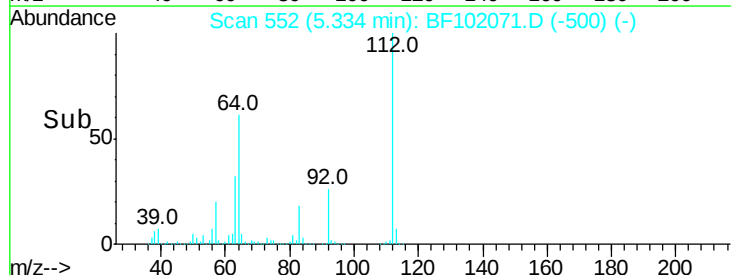
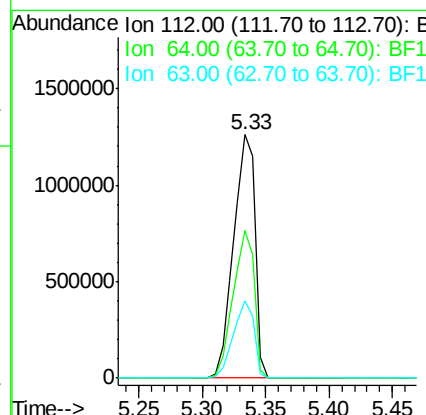
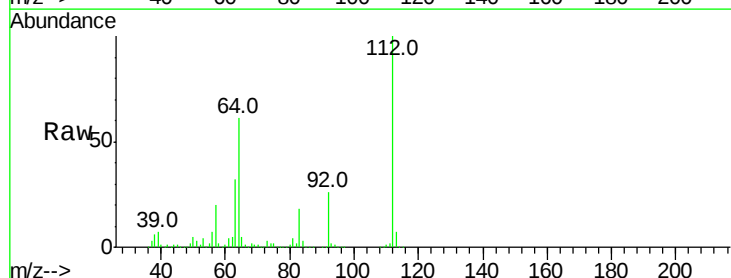
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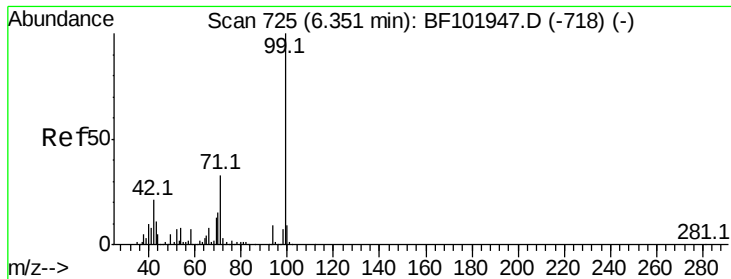


#5

2-Fluorophenol
Concen: 87.789 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 87.166 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102071.D

Acq: 15 Jan 2018 19:07

Instrument :

BNA_F

ClientSampleId :

SU-03-011218

Tot Ion: 99 Resp: 1733271

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

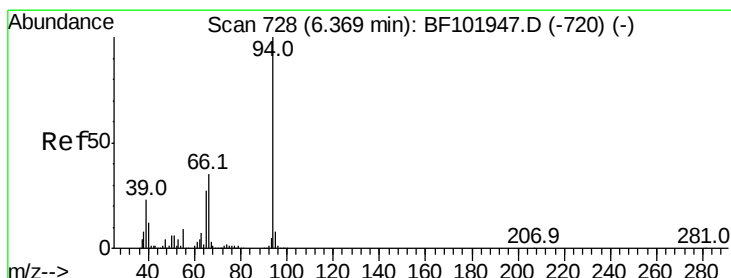
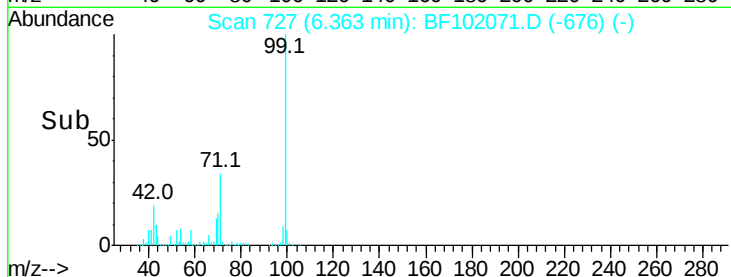
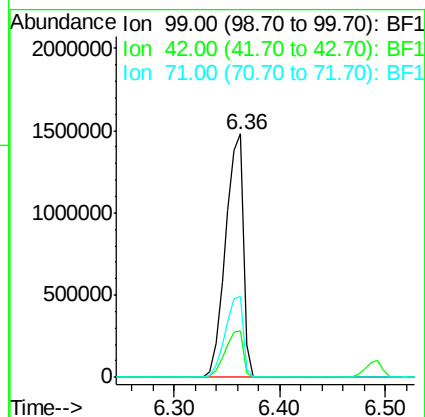
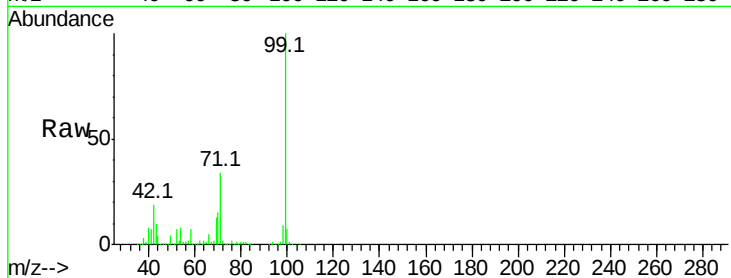
71 33.5 25.4 38.0

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#10

Phenol

Concen: 2.392 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102071.D

Acq: 15 Jan 2018 19:07

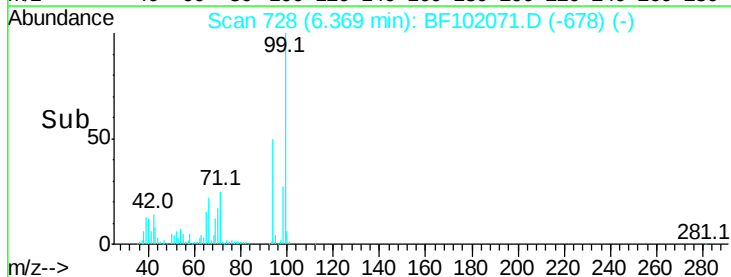
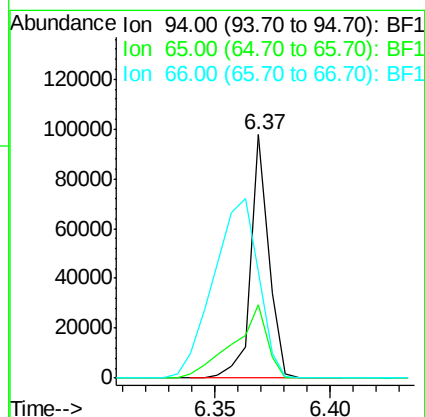
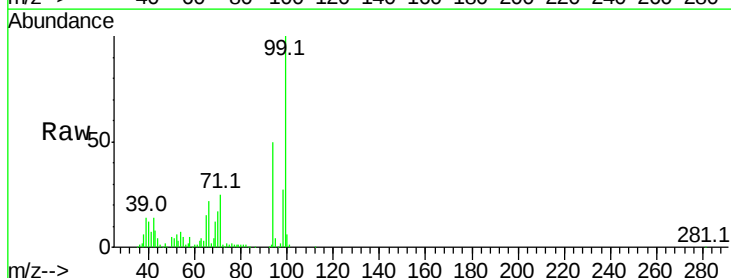
Tgt Ion: 94 Resp: 53760

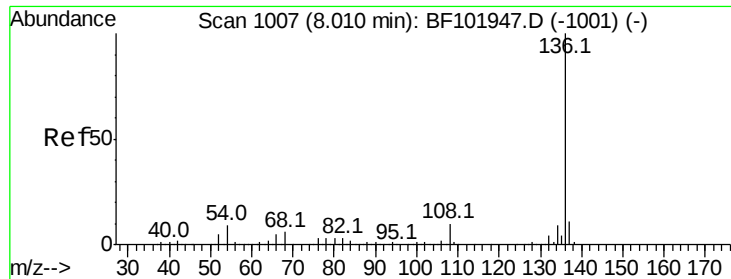
Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

66 43.9 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102071.D

Acq: 15 Jan 2018 19:07

Instrument :

BNA_F

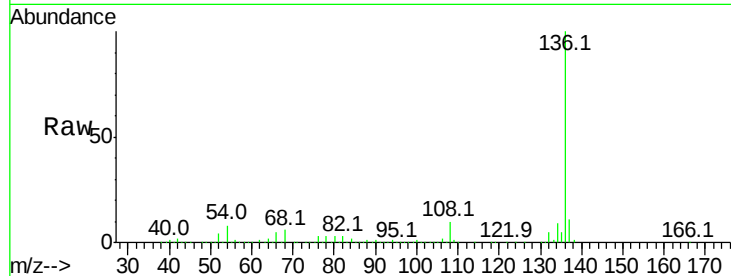
ClientSampleId :

SU-03-011218

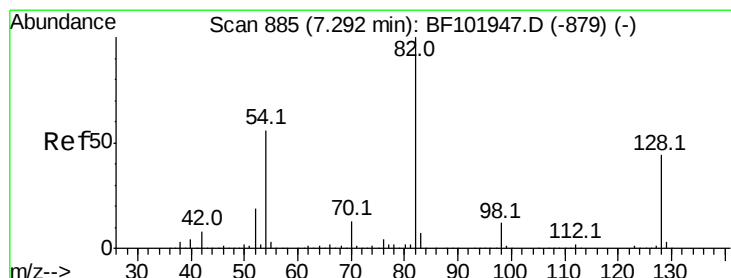
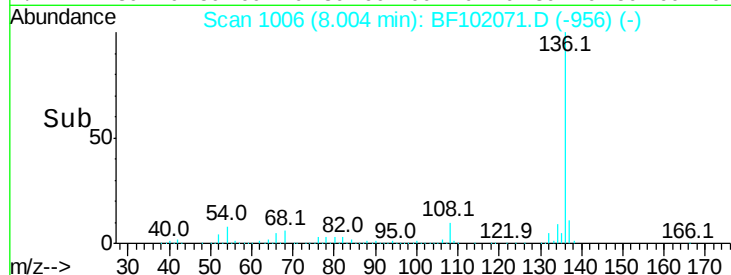
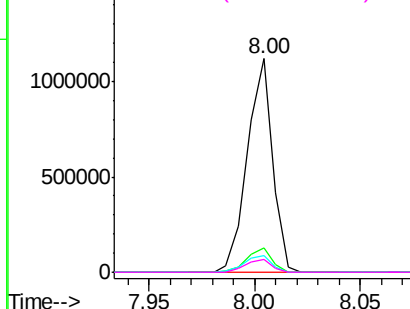
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	5.7	5.0	7.4

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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: 68.208 ng

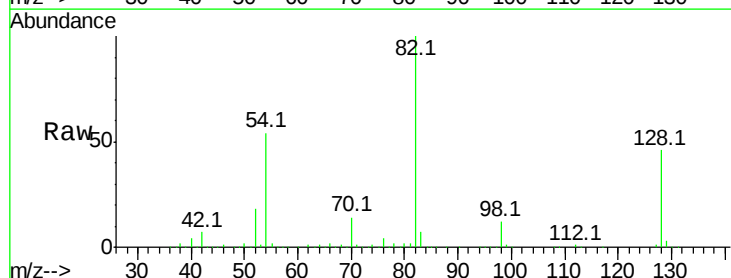
RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

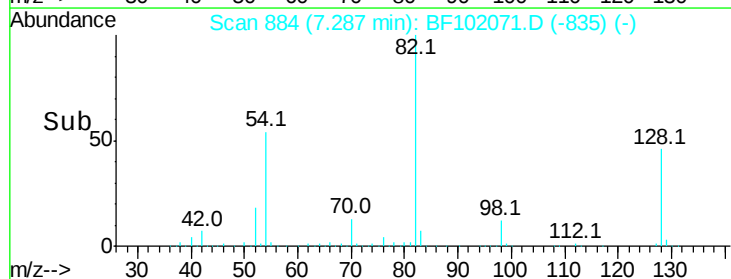
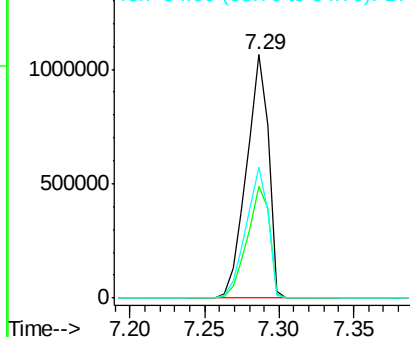
Lab File: BF102071.D

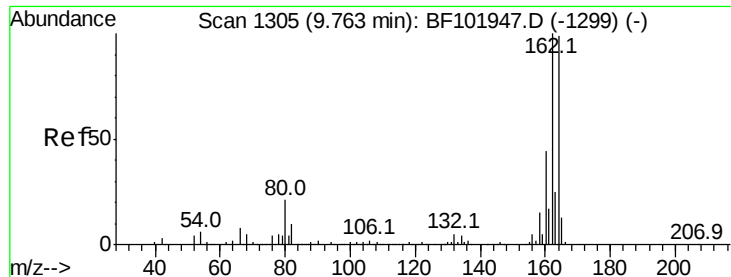
Acq: 15 Jan 2018 19:07

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.0	36.1	54.1
54	53.7	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





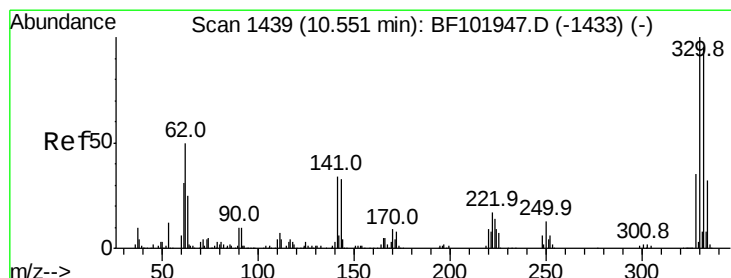
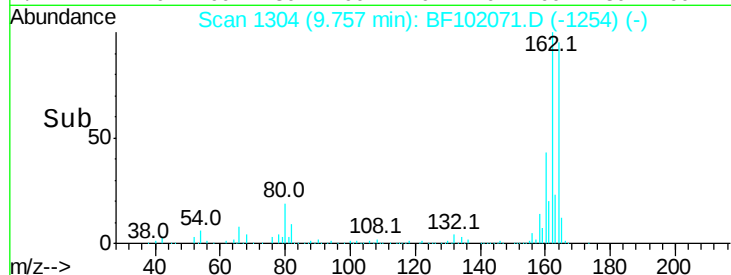
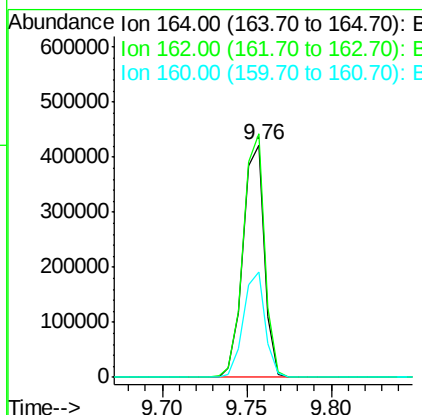
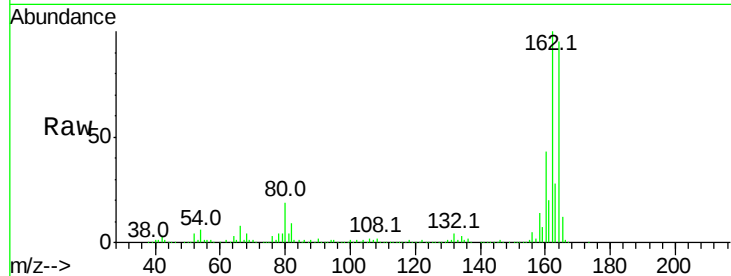
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Instrument :
BNA_F
ClientSampleId :
SU-03-011218

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	45.6	38.3	57.5

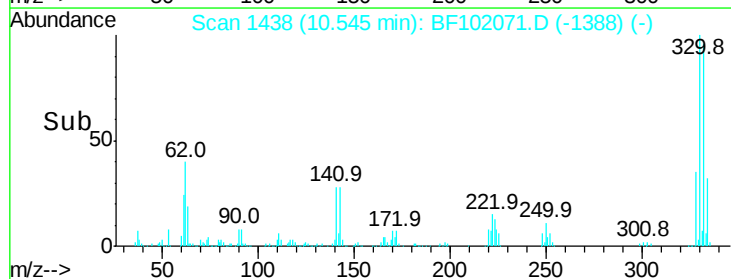
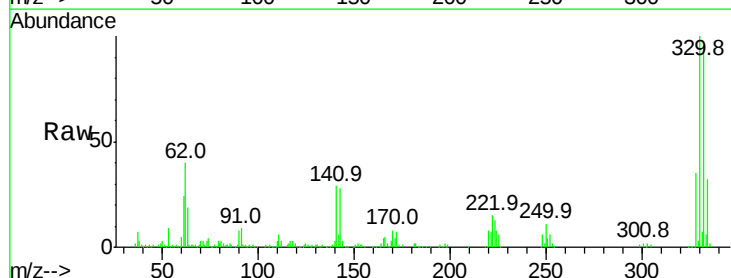
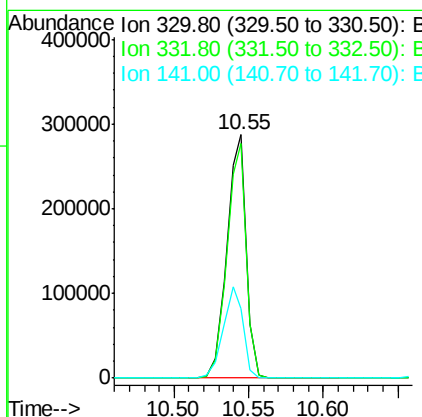
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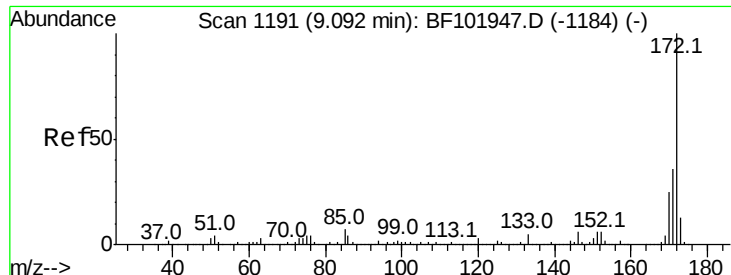
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#41
2,4,6-Tribromophenol
Concen: 81.277 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	37.8	29.9	44.9





#44

2-Fluorobiphenyl

Concen: 62.161 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102071.D

Acq: 15 Jan 2018 19:07

Instrument :

BNA_F

ClientSampleId :

SU-03-011218

Tot Ion:172 Resp: 1485182

Ion Ratio Lower Upper

172 100

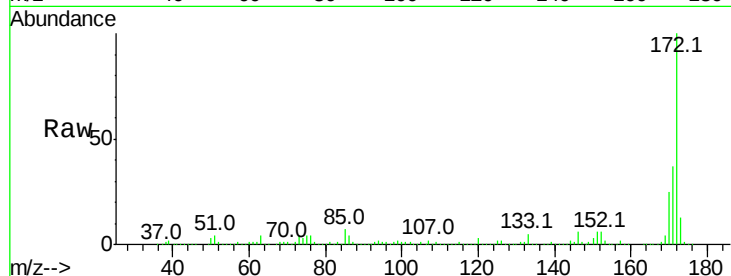
171 37.0 29.7 44.5

170 24.7 19.6 29.4

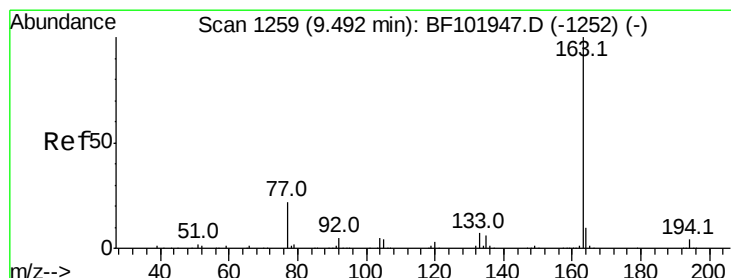
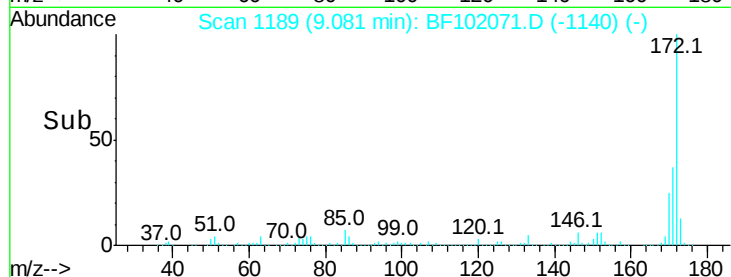
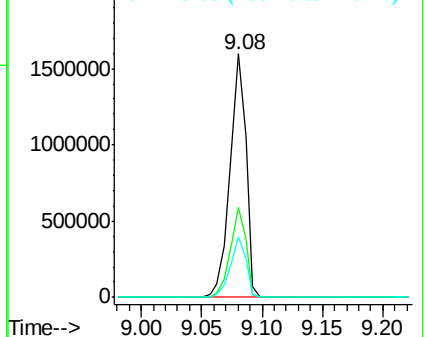
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 5.716 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102071.D

Acq: 15 Jan 2018 19:07

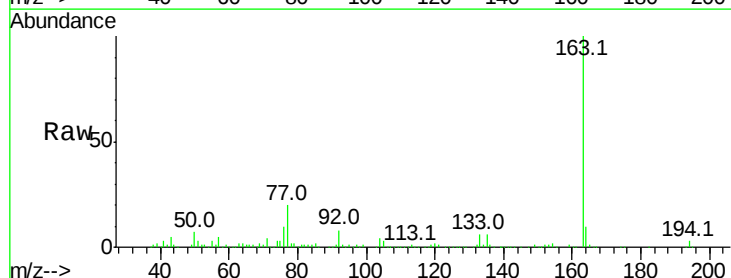
Tgt Ion:163 Resp: 171157

Ion Ratio Lower Upper

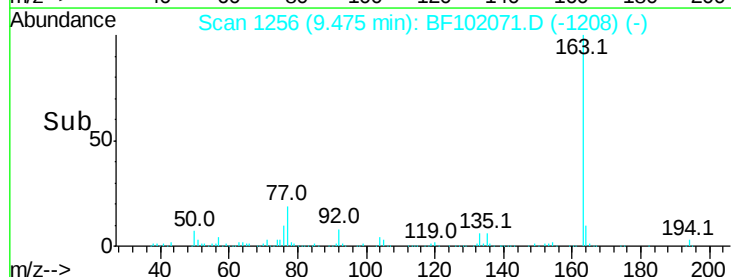
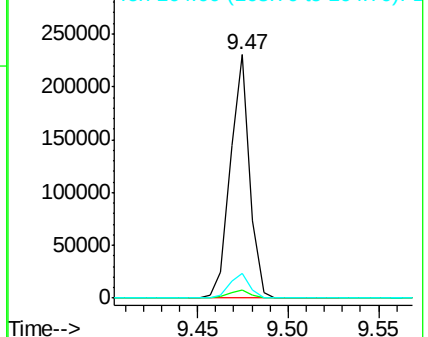
163 100

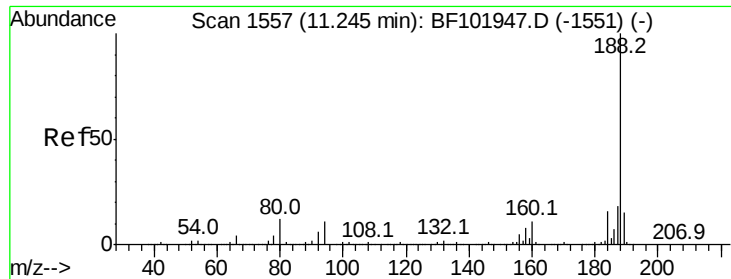
194 3.4 2.7 4.1

164 9.9 8.2 12.2



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





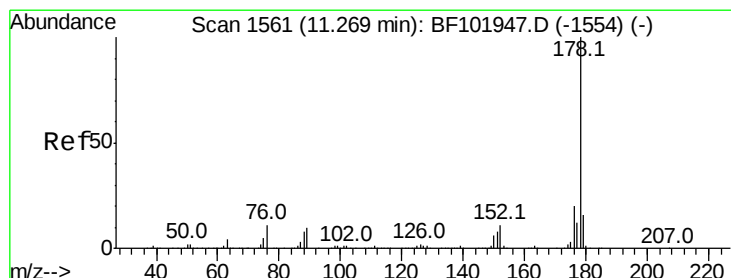
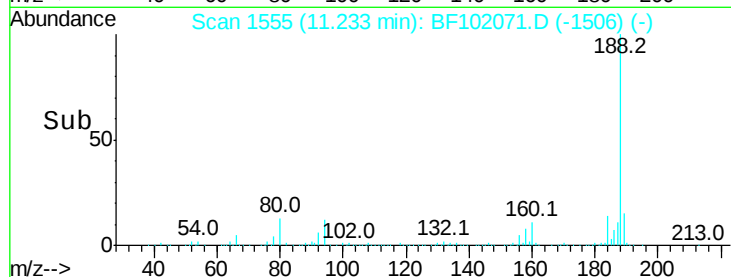
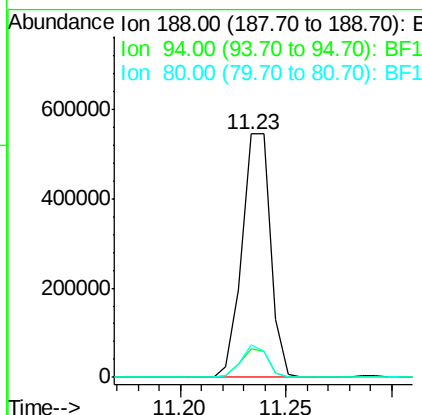
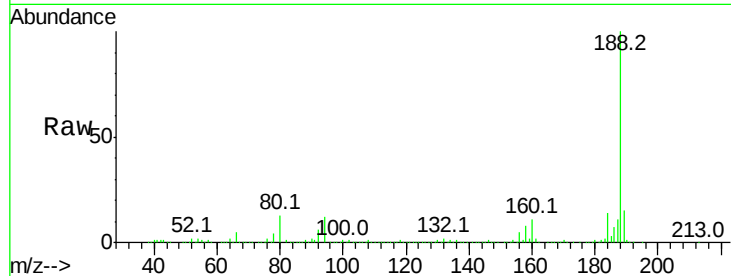
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Instrument :
BNA_F
ClientSampleId :
SU-03-011218

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.8	8.5	12.7
80	13.4	9.2	13.8

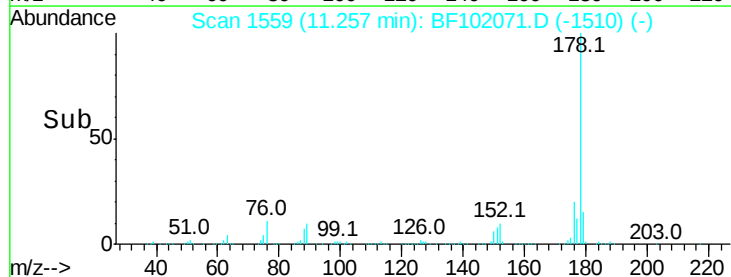
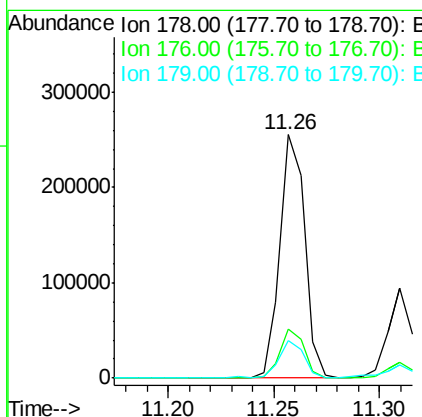
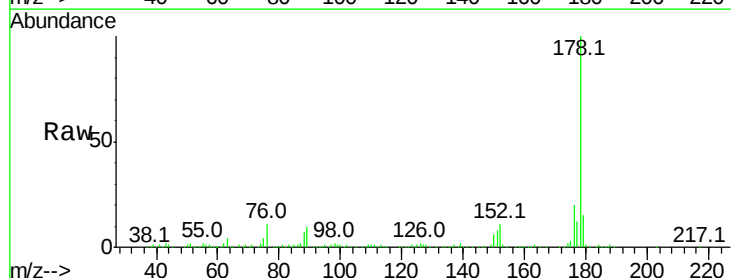
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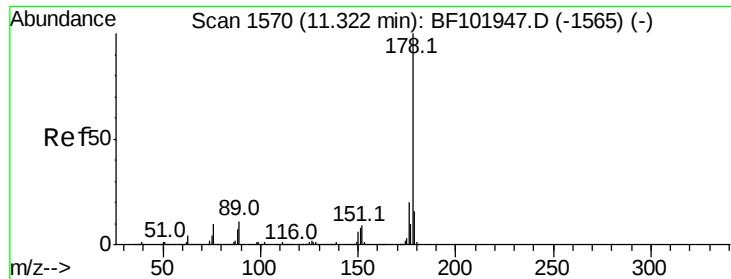
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#70
Phenanthrene
Concen: 7.045 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.0	15.8	23.8
179	15.2	13.0	19.6





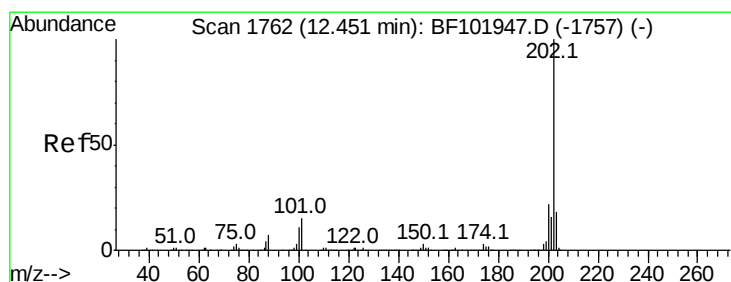
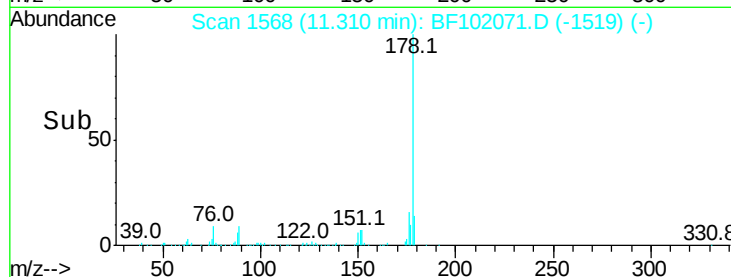
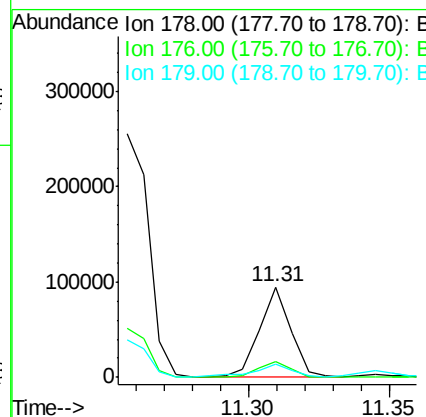
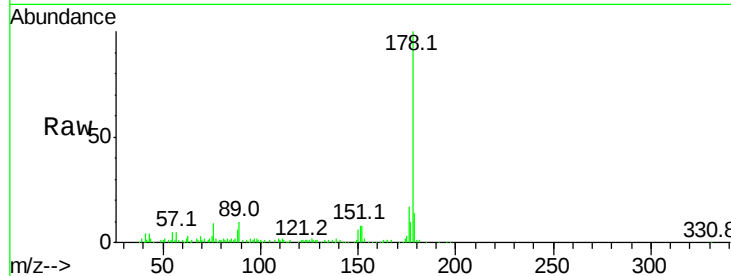
#71
 Anthracene
 Concen: 2.371 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102071.D
 Acq: 15 Jan 2018 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-011218

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.4	23.2
179	14.2	12.6	19.0

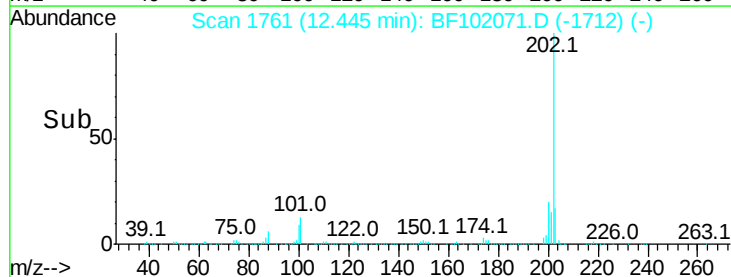
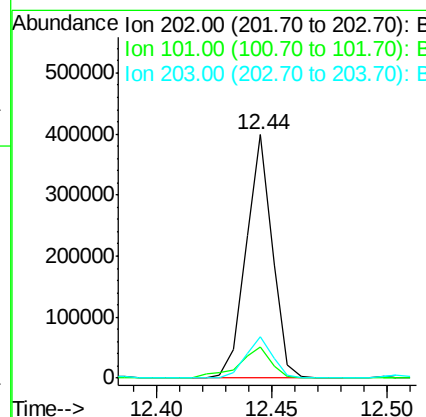
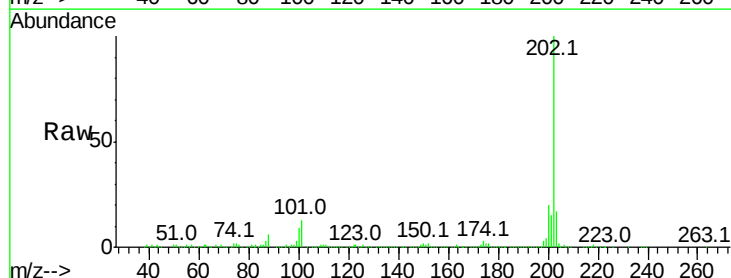
Manual Integrations
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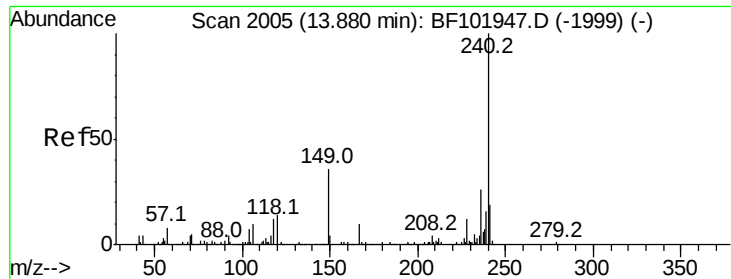
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#74
 Fluoranthene
 Concen: 10.713 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF102071.D
 Acq: 15 Jan 2018 19:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.2	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: BF102071.D

Acq: 15 Jan 2018 19:07

Instrument :

BNA_F

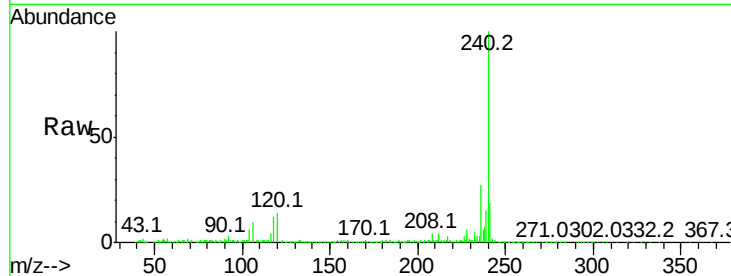
ClientSampleId :

SU-03-011218

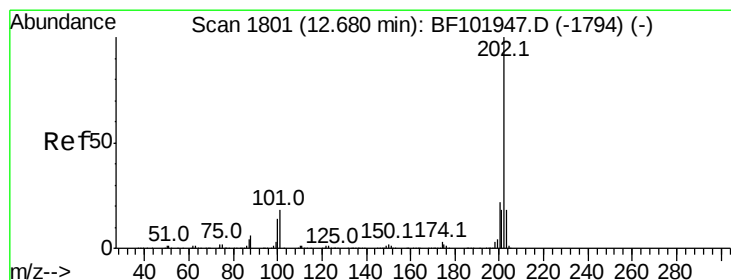
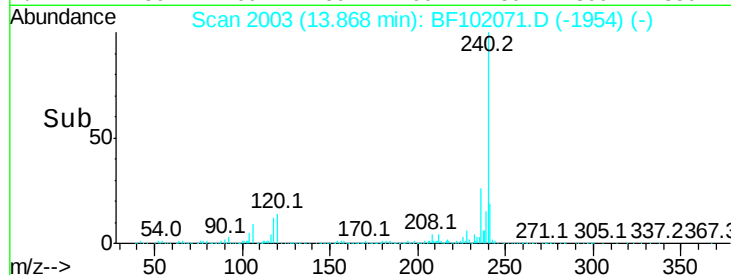
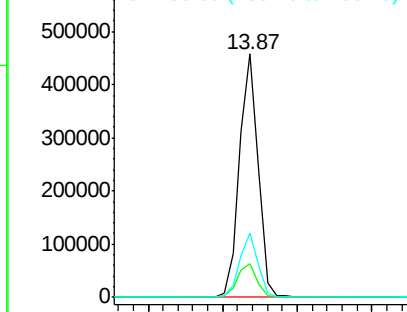
Tot Ion:	240	Resp:	399944
Ion Ratio	Lower	Upper	
240	100		
120	14.1	9.5	14.3
236	26.6	20.7	31.1

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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: 8.508 ng

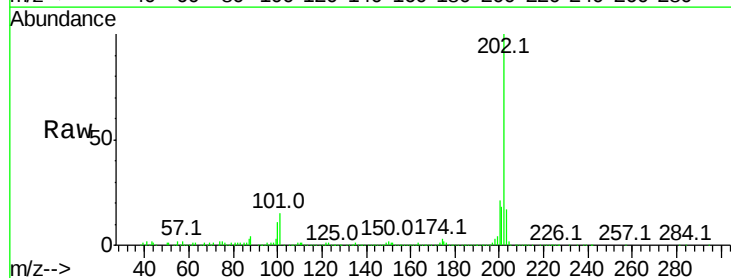
RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

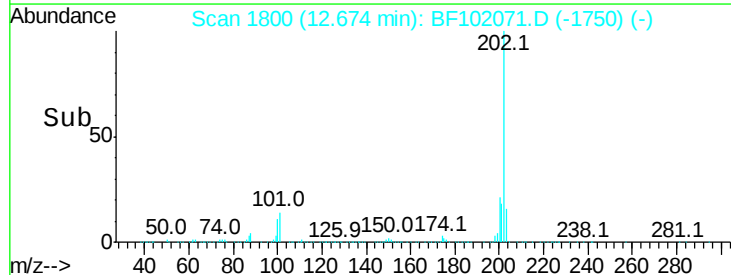
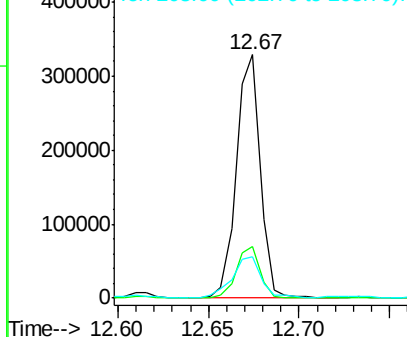
Lab File: BF102071.D

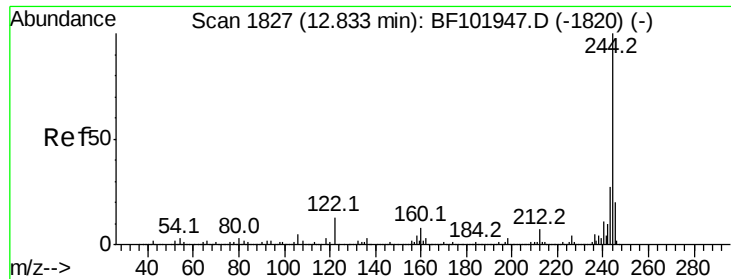
Acq: 15 Jan 2018 19:07

Tgt Ion:	202	Resp:	300773
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.2	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: 44.003 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102071.D

Acq: 15 Jan 2018 19:07

Instrument :

BNA_F

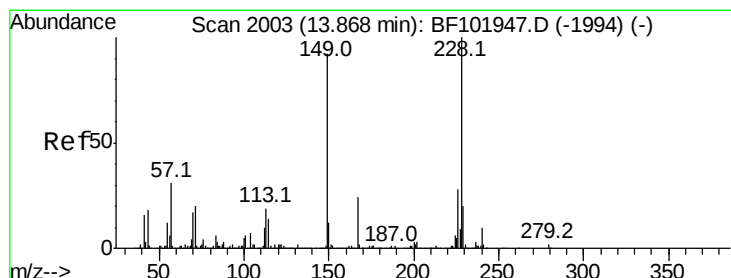
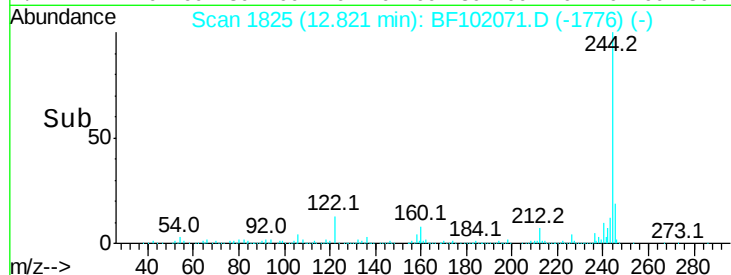
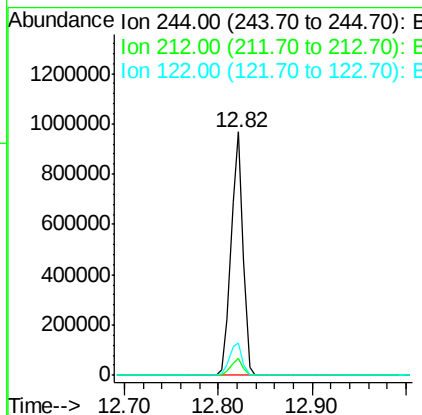
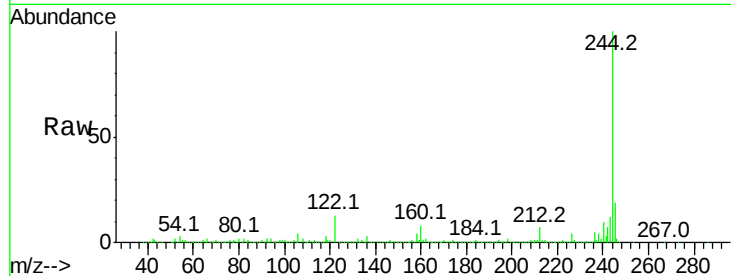
ClientSampleId :

SU-03-011218

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 5.988 ng m

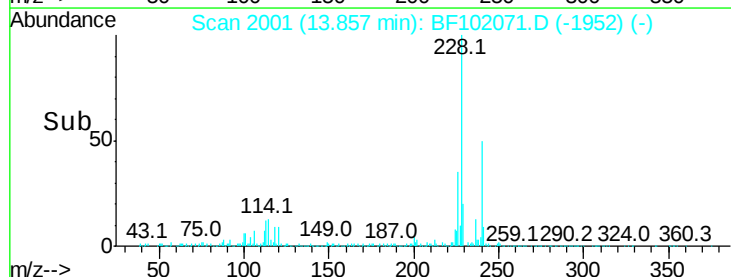
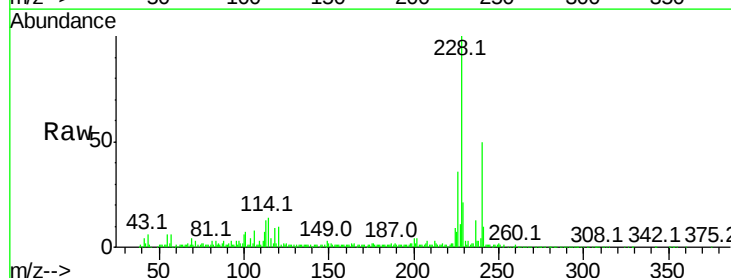
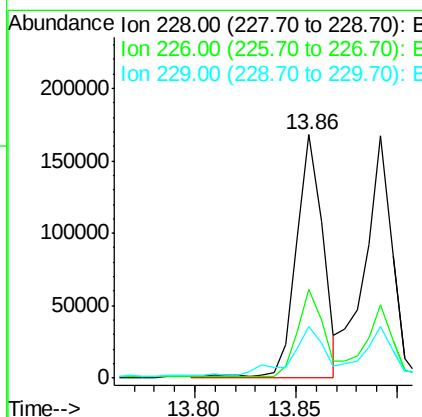
RT: 13.86 min Scan# 2001

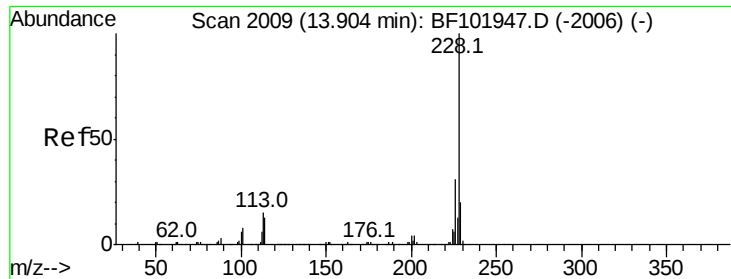
Delta R.T. -0.01 min

Lab File: BF102071.D

Acq: 15 Jan 2018 19:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.3	22.6	33.8#
229	21.1	15.8	23.6





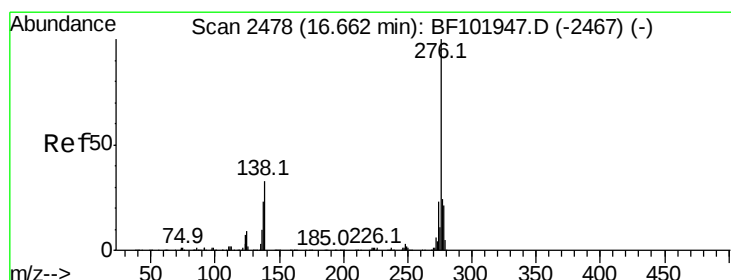
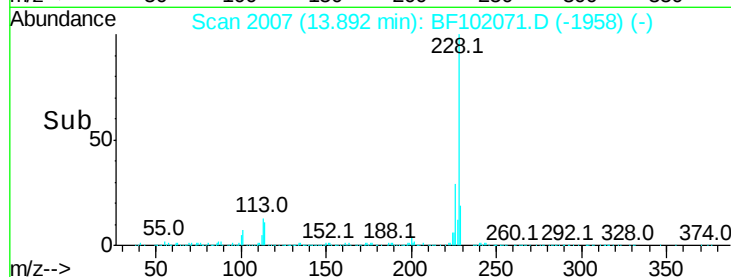
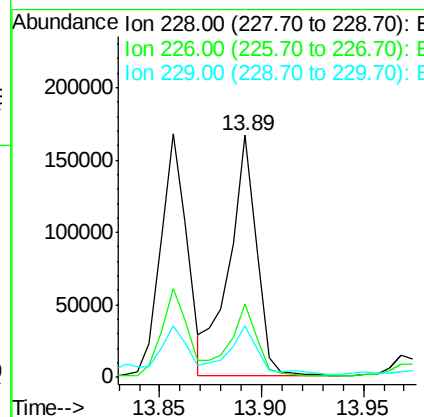
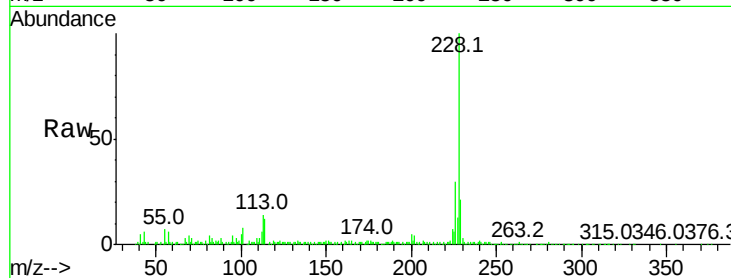
#82
Chrysene
Concen: 5.835 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Instrument :
BNA_F
ClientSampleId :
SU-03-011218

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.3	16.2	24.4

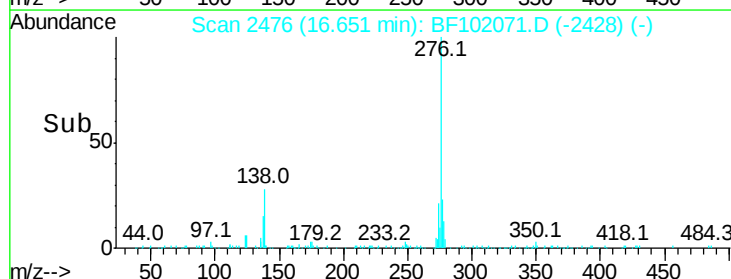
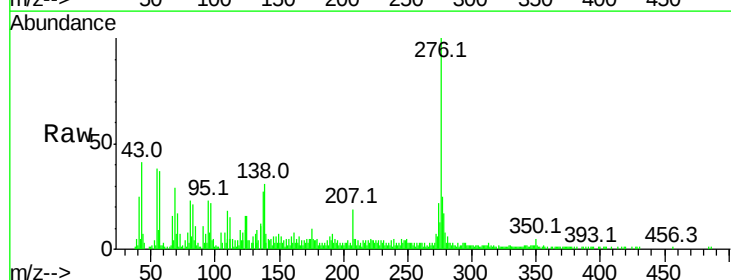
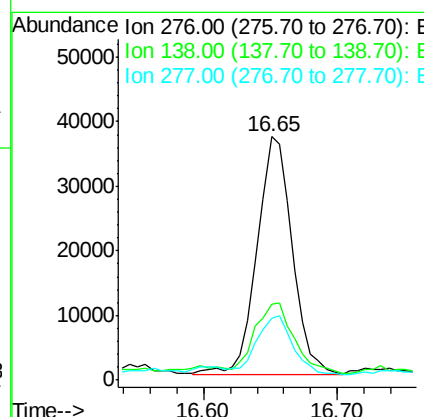
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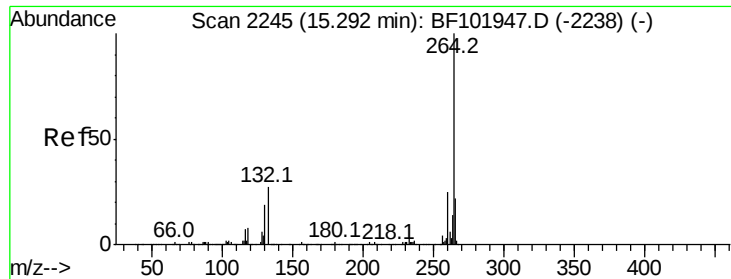
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.489 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.02 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.4	25.0	37.6
277	25.8	20.1	30.1





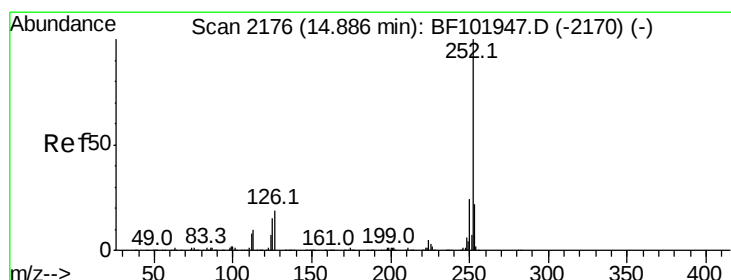
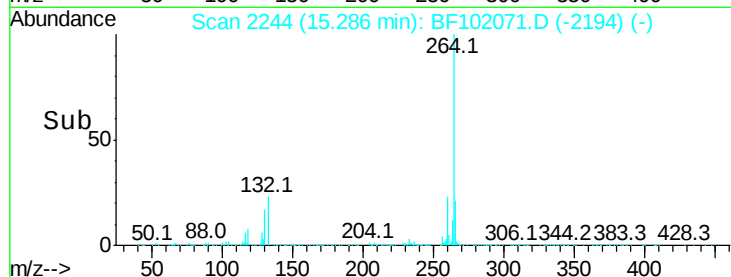
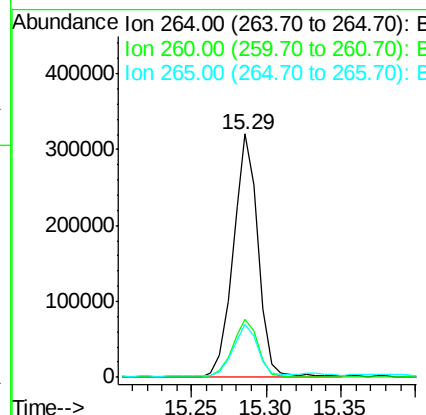
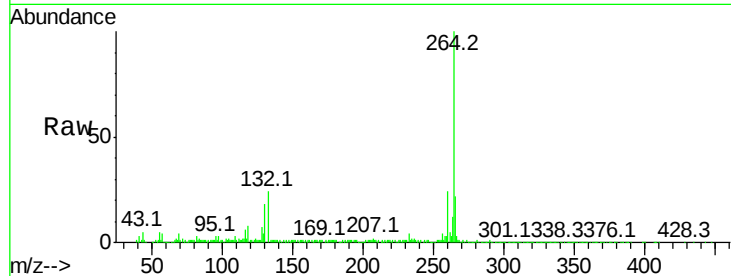
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Instrument :
BNA_F
ClientSampleId :
SU-03-011218

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3

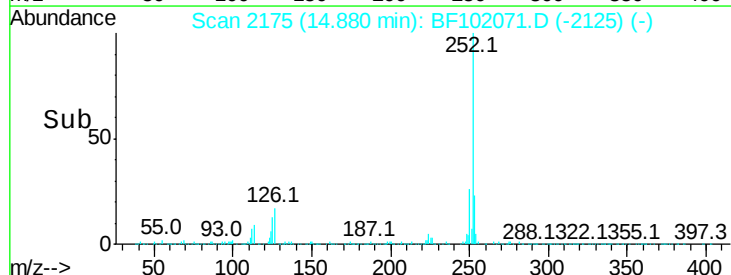
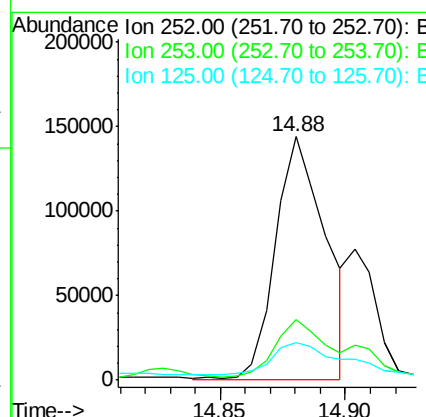
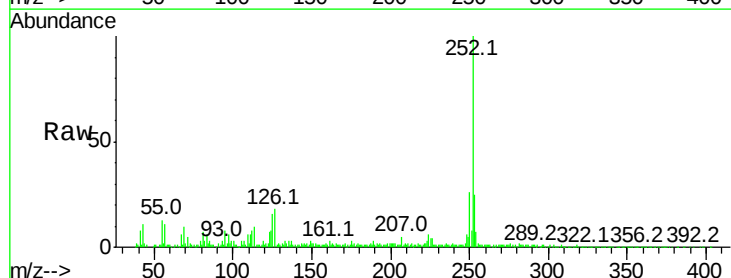
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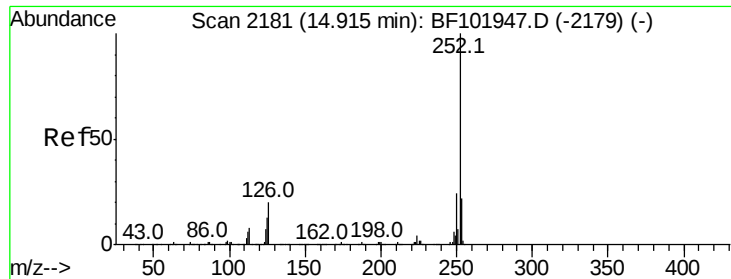
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#87
Benzo(b)fluoranthene
Concen: 8.281 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	15.6	9.0	13.6





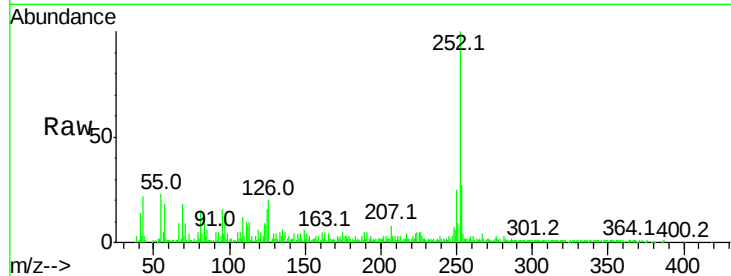
#88
Benzo(k)fluoranthene
Concen: 2.637 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

Instrument :
BNA_F
ClientSampleId :
SU-03-011218

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.9	26.9#
125	16.1	10.2	15.2#

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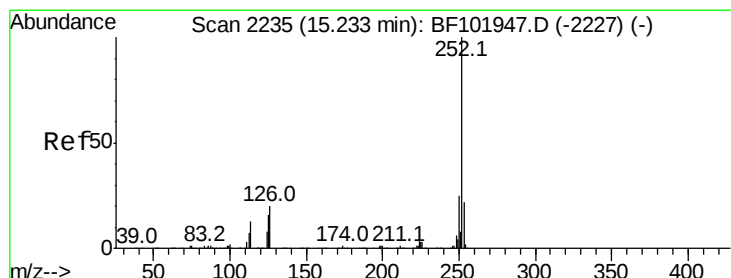
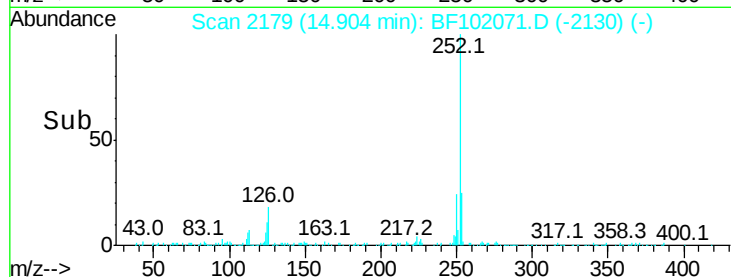
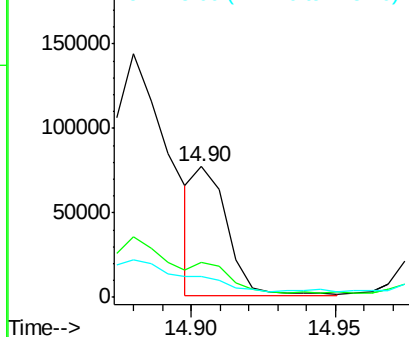


Abundance

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



#89
Benzo(a)pyrene
Concen: 6.213 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102071.D
Acq: 15 Jan 2018 19:07

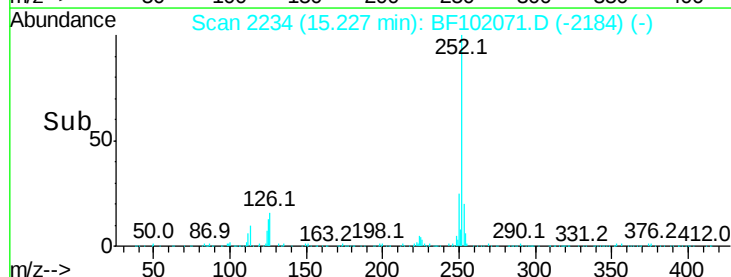
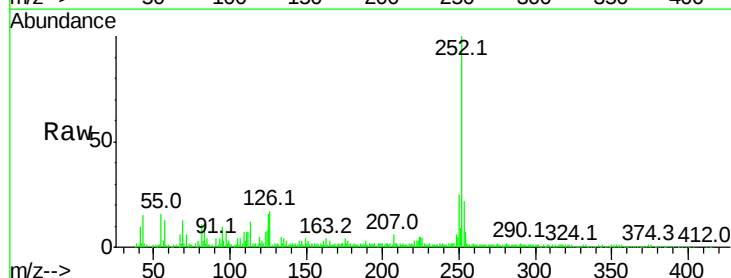
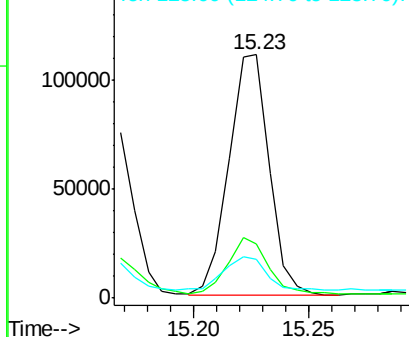
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	15.7	9.8	14.6#

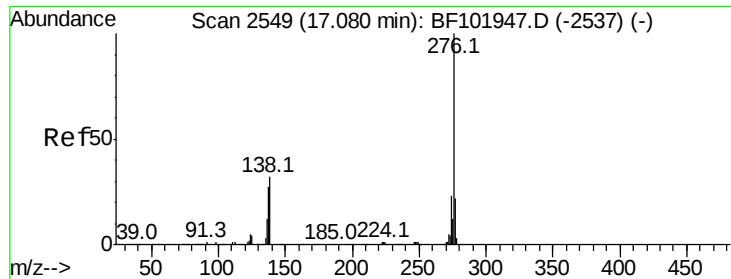
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 3.504 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.02 min
 Lab File: BF102071.D
 Acq: 15 Jan 2018 19:07

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-011218

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	31.0	21.8	32.8

Manual Integrations
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