

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101741.D
 Acq On : 27 Dec 2017 3:47
 Operator : SJ/JU
 Sample : I6973-02 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B11(0-10)-COMP

Manual Integrations
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Quant Time: Dec 27 10:36:05 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	131659	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	469134	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	175988	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	295104	20.00	ng	0.00
75) Chrysene-d12	13.97	240	289749	20.00	ng	0.00
86) Perylene-d12	15.44	264	252304	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	576168	65.19	ng	0.01
7) Phenol-d6	6.43	99	688377	62.58	ng	0.00
23) Nitrobenzene-d5	7.36	82	392158	46.53	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	108227	63.82	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	617746	54.45	ng	0.00
78) Terphenyl-d14	12.90	244	477365	39.72	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	27497	2.193	ng	# 56
31) Naphthalene	8.09	128	70420	2.982	ng	98
49) Dimethylphthalate	9.55	163	31087	2.196	ng	# 98
51) Acenaphthene	9.86	154	33330	2.941	ng	97
54) Dibenzofuran	10.04	168	40862	2.837	ng	99
57) Fluorene	10.38	166	44865	3.683	ng	98
70) Phenanthrene	11.35	178	395222	24.082	ng	98
71) Anthracene	11.40	178	106490	6.352	ng	98
72) Carbazole	11.56	167	41048	2.615	ng	98
74) Fluoranthene	12.54	202	403907	23.448	ng	98
77) Pyrene	12.77	202	367292	16.890	ng	99
80) Benzo(a)anthracene	13.96	228	202584	10.588	ng	97
82) Chrysene	14.00	228	181974	10.073	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	68877m	4.282	ng	
87) Benzo(b)fluoranthene	15.02	252	187433m	12.188	ng	
88) Benzo(k)fluoranthene	15.04	252	60692m	4.059	ng	
89) Benzo(a)pyrene	15.38	252	134023	9.454	ng	# 95
91) Benzo(g,h,i)perylene	17.38	276	60032	4.981	ng	96

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

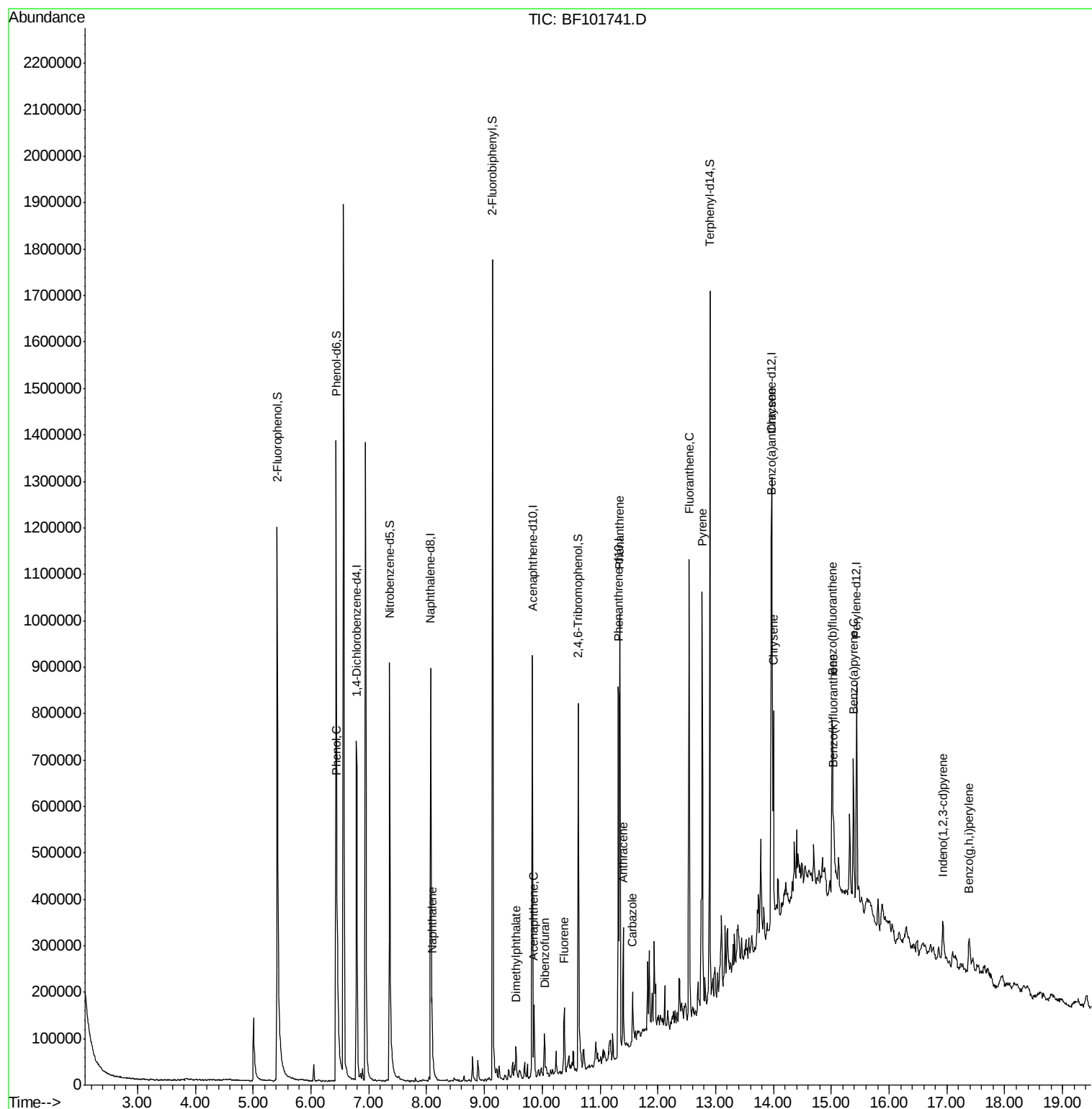
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101741.D
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#1

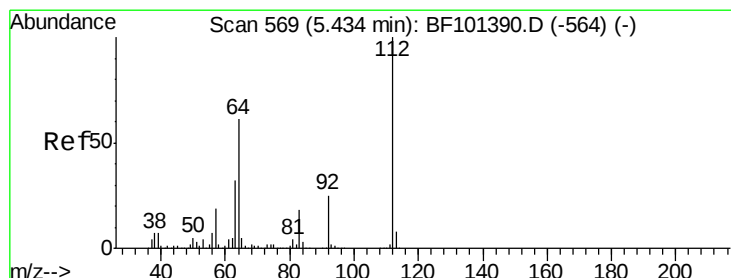
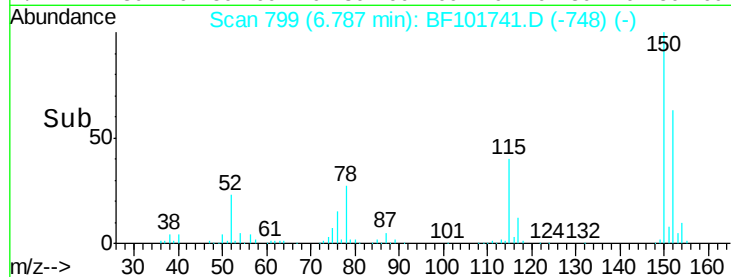
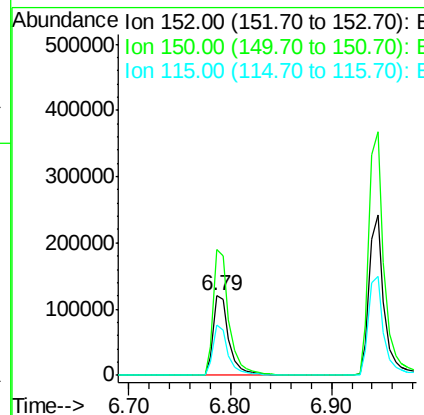
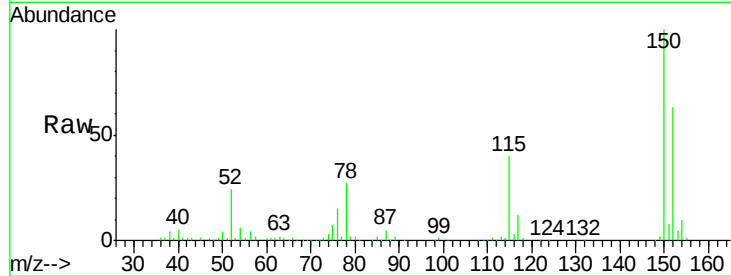
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Instrument :
BNA_F
ClientSampleId :
B11(0-10)-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	63.5	50.1	75.1

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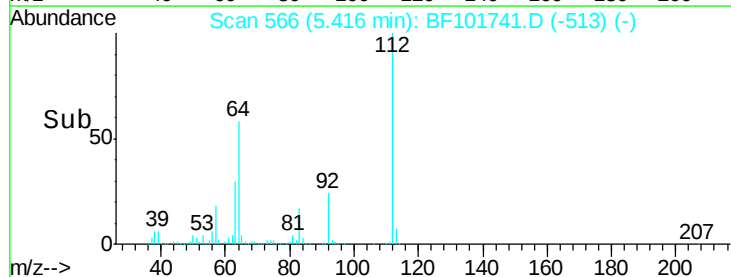
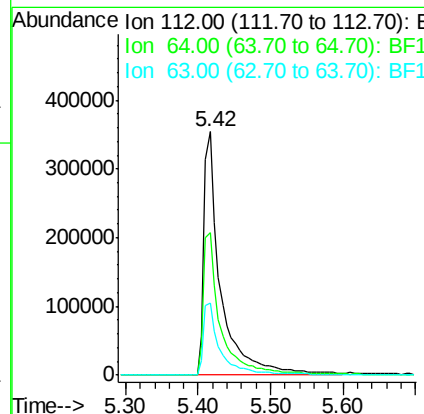
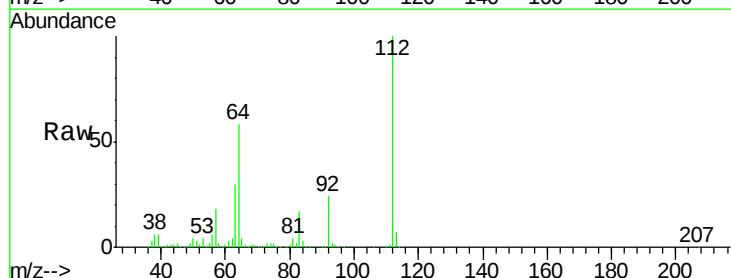
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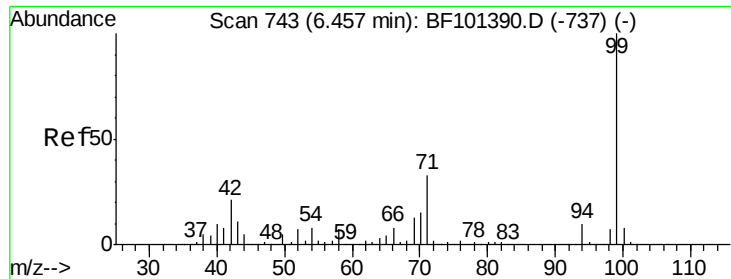


#5

2-Fluorophenol
Concen: 65.187 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 62.579 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101741.D

Acq: 27 Dec 2017 3:47

Instrument :

BNA_F

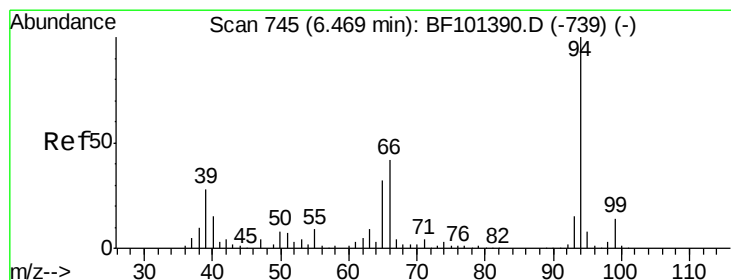
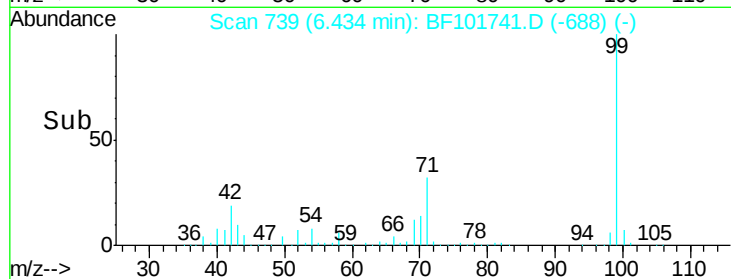
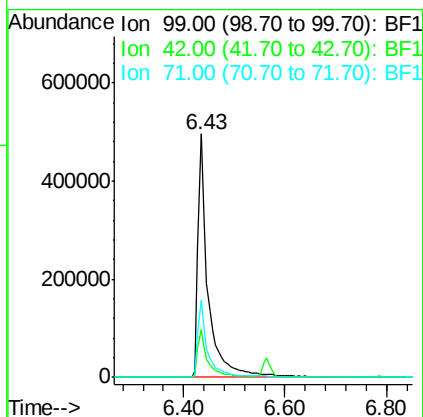
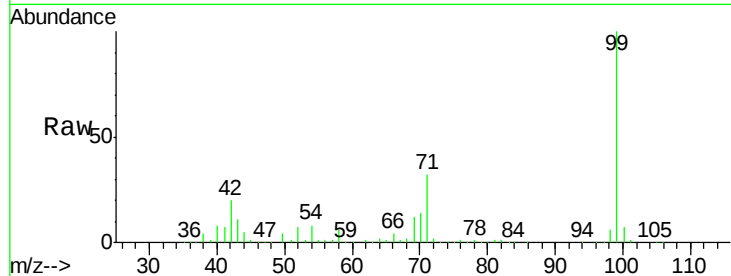
ClientSampleId :

B11(0-10)-COMP

Tgt Ion:	99	Resp:	688377
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	31.5	25.4	38.0

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#10

Phenol

Concen: 2.193 ng

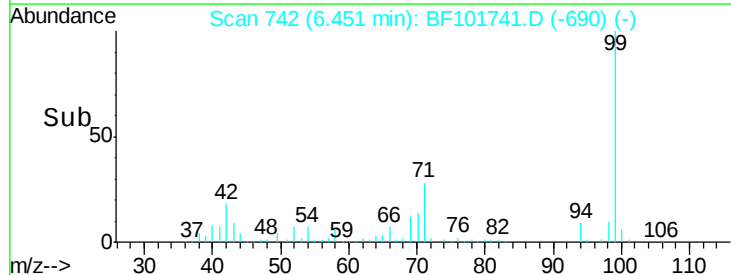
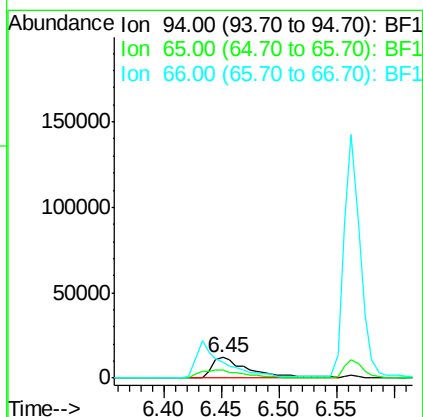
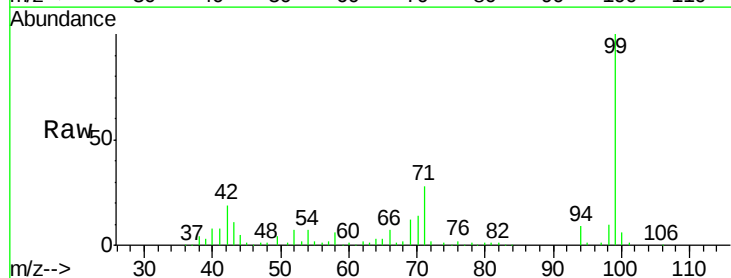
RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101741.D

Acq: 27 Dec 2017 3:47

Tgt Ion:	94	Resp:	27497
Ion Ratio	Lower	Upper	
94	100		
65	37.5	7.9	47.9
66	74.3	16.2	56.2#





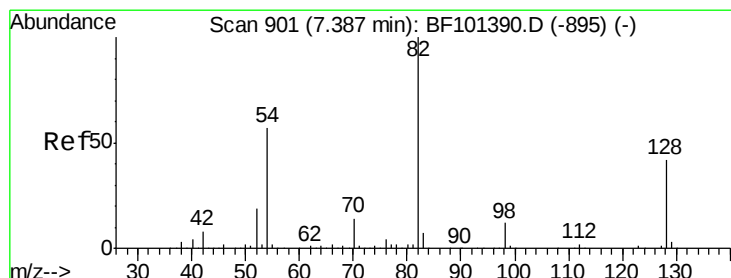
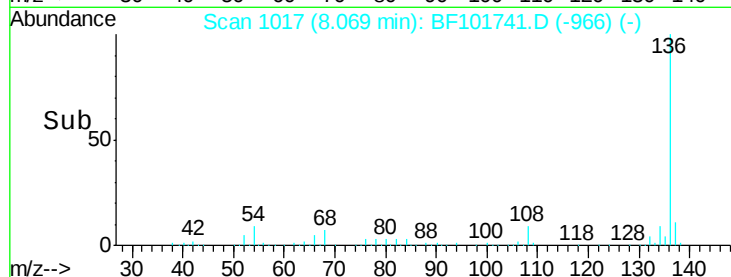
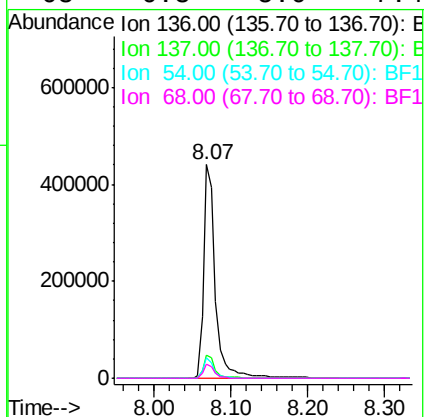
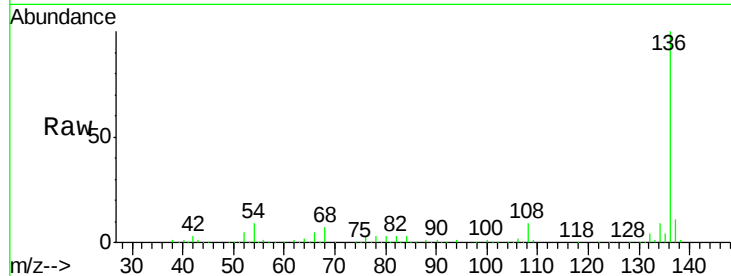
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Instrument :
BNA_F
ClientSampleId :
B11(0-10)-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	469134		
137	10.8	8.9	13.3	
54	9.3	6.6	9.8	
68	6.8	5.0	7.4	

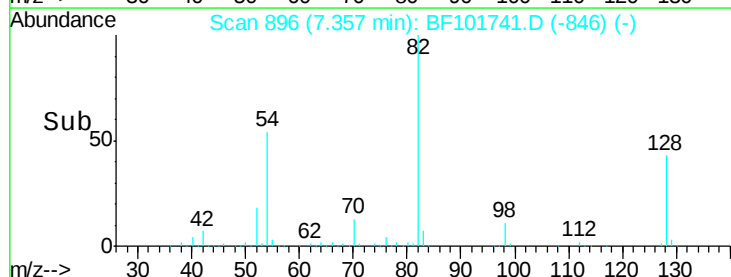
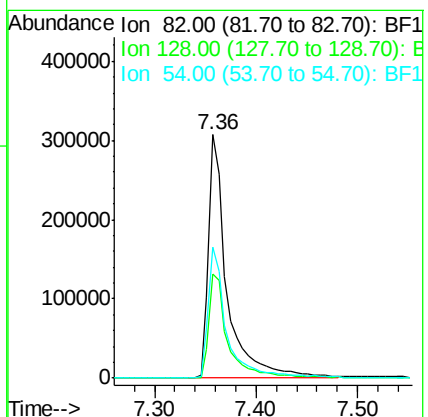
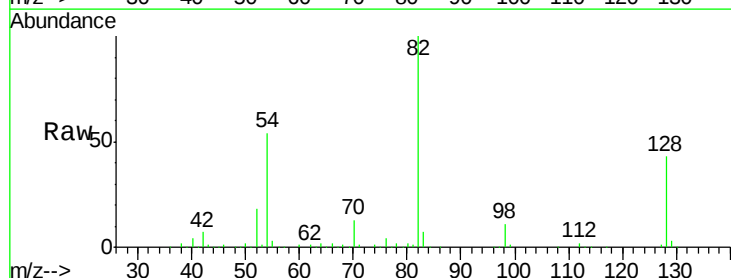
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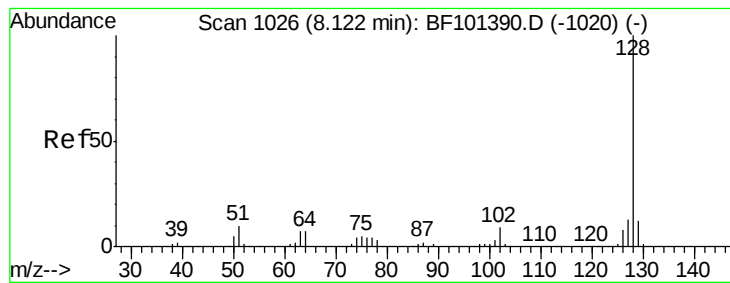
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#23
Nitrobenzene-d5
Concen: 46.532 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	392158		
128	42.5	36.1	54.1	
54	53.9	41.4	62.2	





#31

Naphthalene

Concen: 2.982 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101741.D

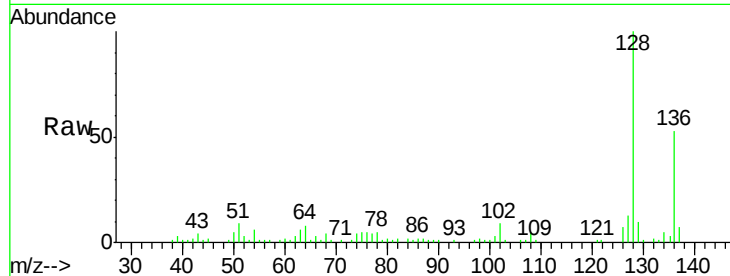
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Instrument :

BNA_F

ClientSampleId :

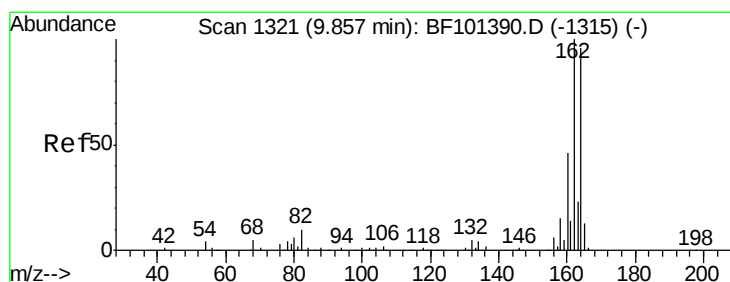
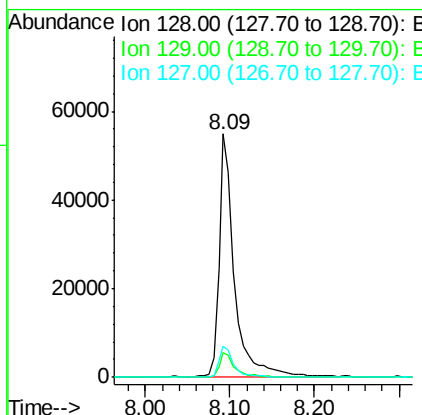
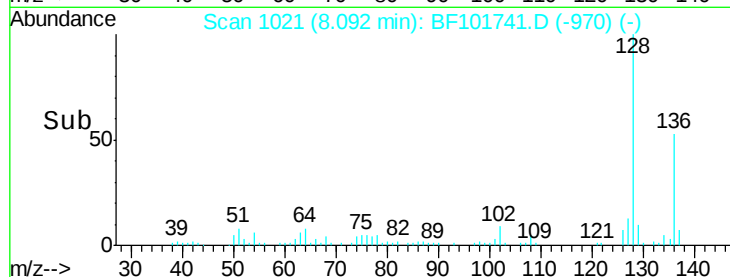
B11(0-10)-COMP



Tgt Ion:	128	Resp:	70420
Ion Ratio	Lower	Upper	
128	100		
129	10.1	8.8	13.2
127	13.0	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

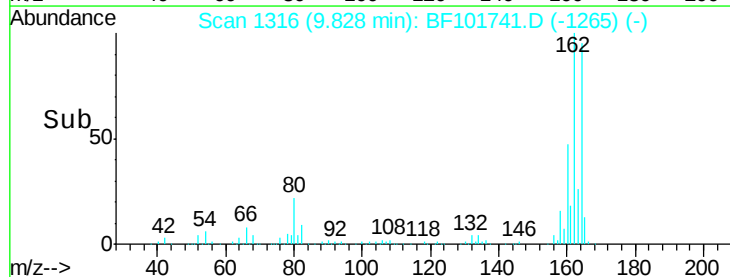
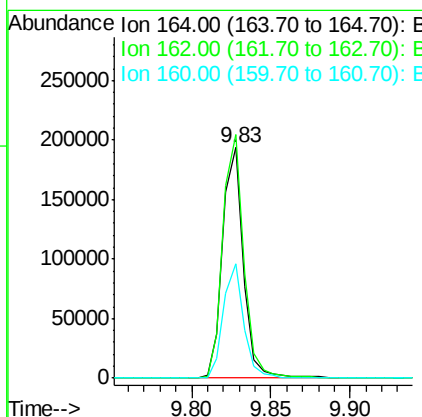
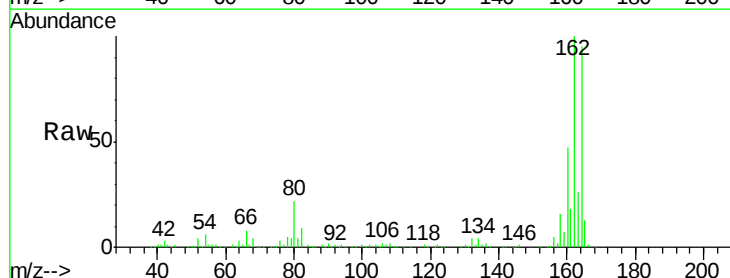
RT: 9.83 min Scan# 1316

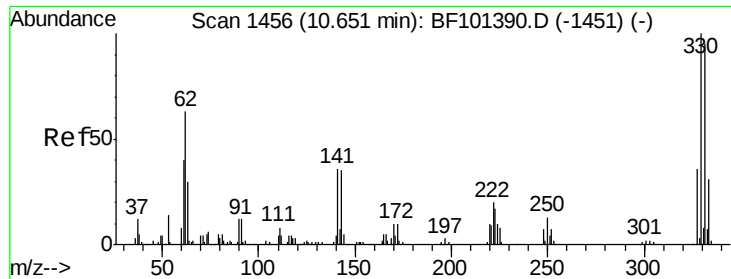
Delta R.T. 0.00 min

Lab File: BF101741.D

Acq: 27 Dec 2017 3:47

Tgt Ion:	164	Resp:	175988
Ion Ratio	Lower	Upper	
164	100		
162	105.5	86.1	129.1
160	49.3	38.3	57.5





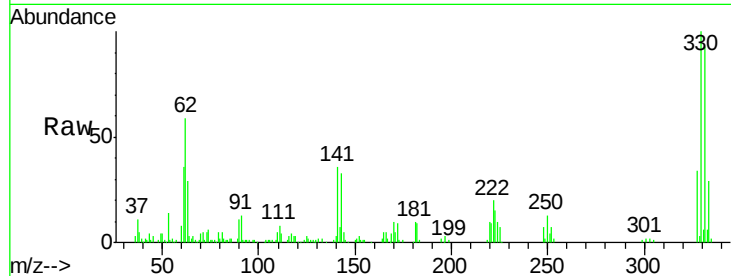
#41
 2,4,6-Tribromophenol
 Concen: 63.821 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101741.D
 Acq: 27 Dec 2017 3:47

Instrument :
 BNA_F
 ClientSampleId :
 B11(0-10)-COMP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	33.5	29.9	44.9

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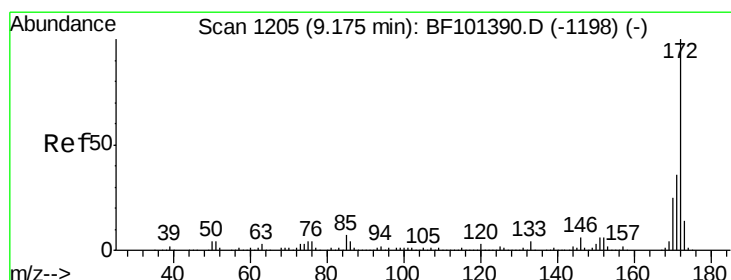
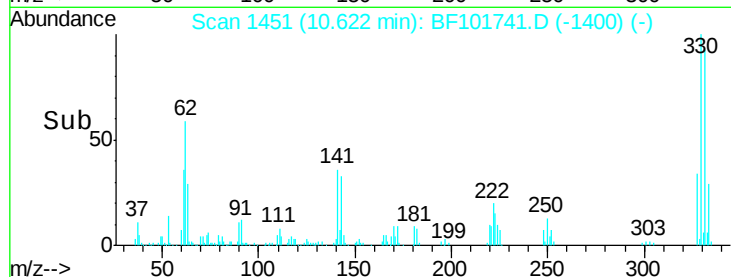
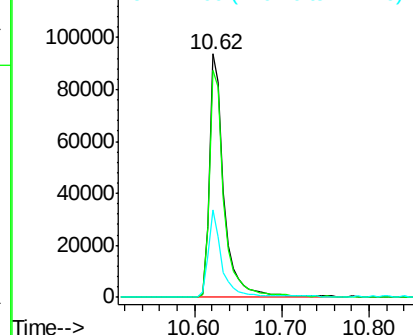


Abundance

Ion 329.80 (329.50 to 330.50): E

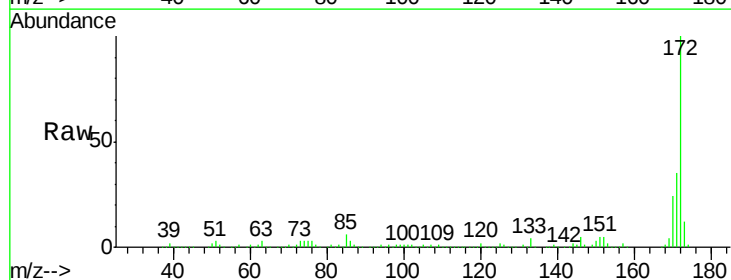
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 54.451 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101741.D
 Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.6	19.6	29.4

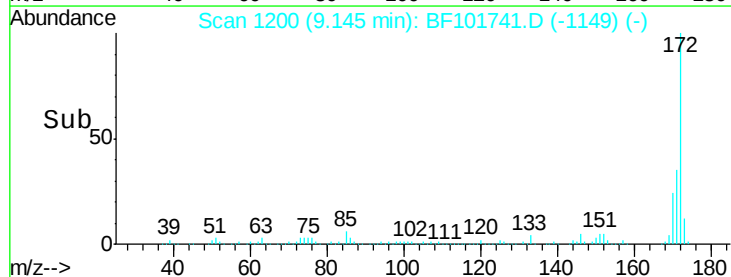
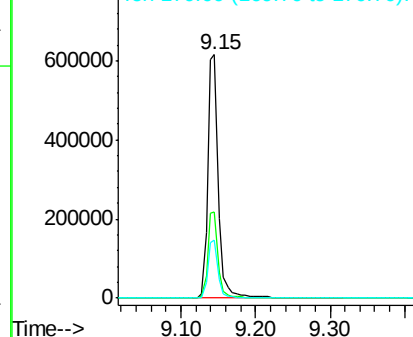


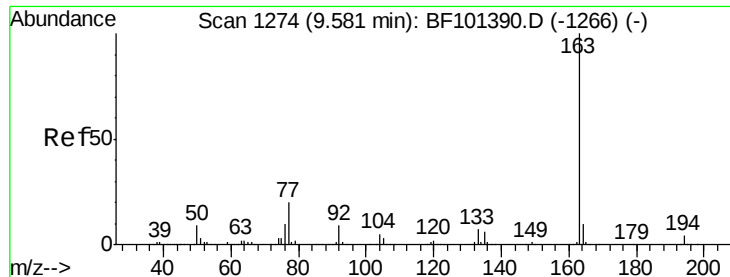
Abundance

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





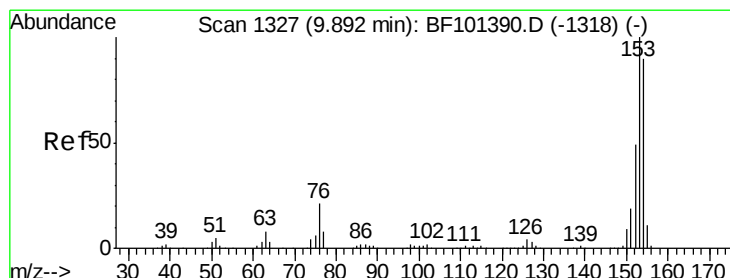
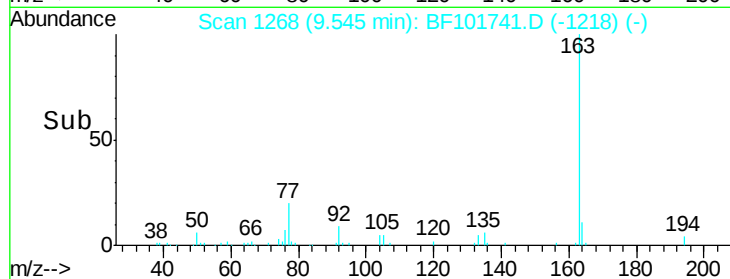
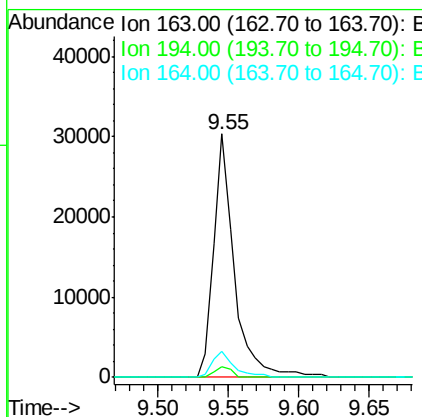
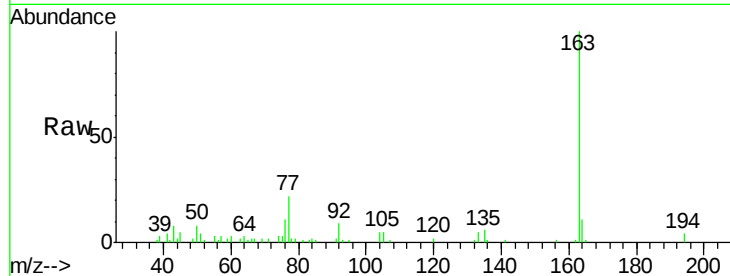
#49
Dimethylphthalate
Concen: 2.196 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Instrument :
BNA_F
ClientSampleId :
B11(0-10)-COMP

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.7	4.1#
164	10.7	8.2	12.2

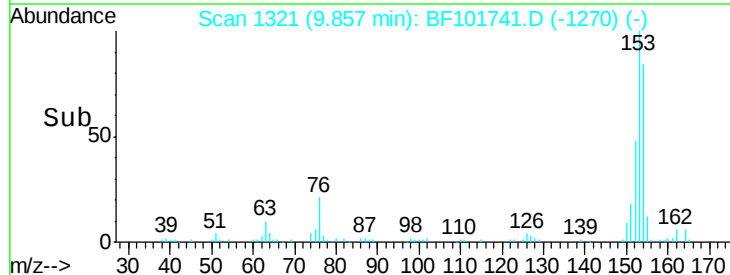
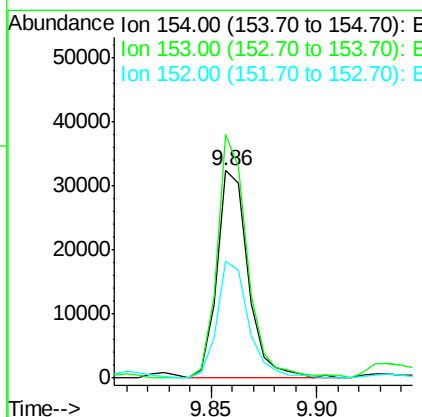
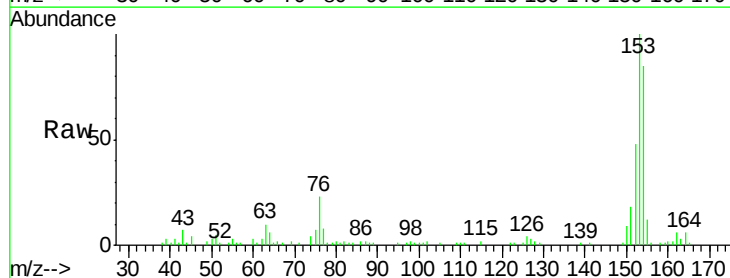
Manual Integrations
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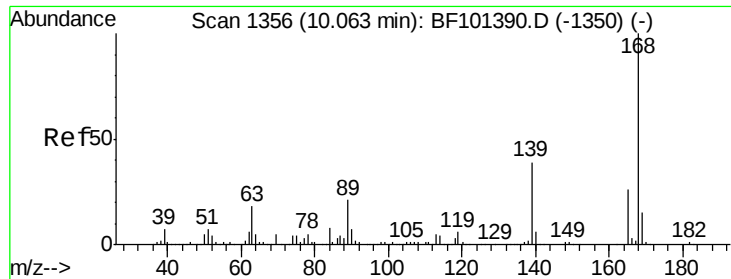
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#51
Acenaphthene
Concen: 2.941 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.4	91.2	136.8
152	56.2	43.8	65.8





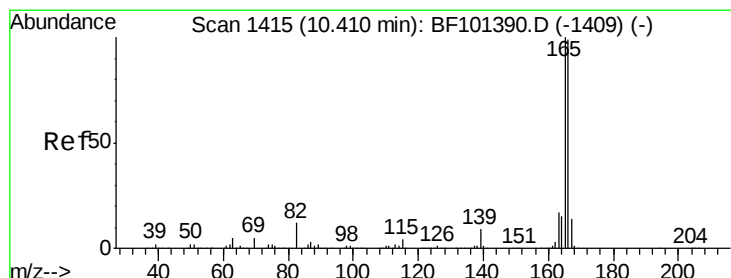
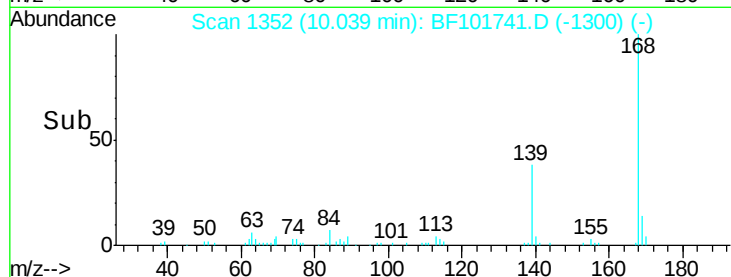
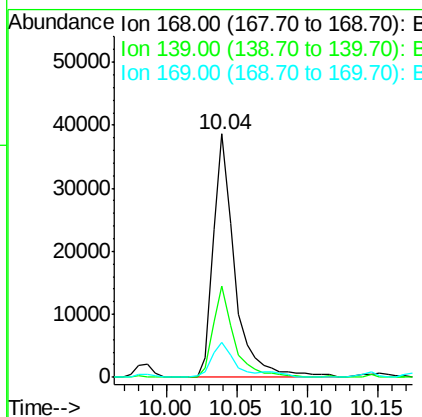
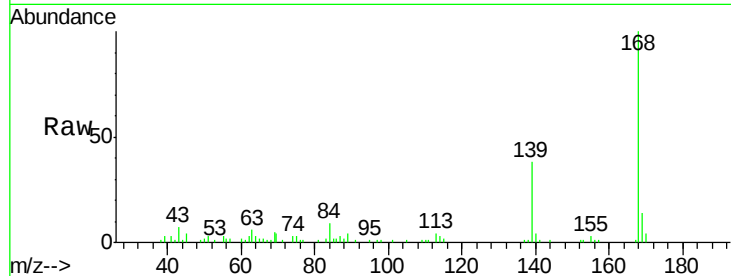
#54
Dibenzenofuran
Concen: 2.837 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Instrument :
BNA_F
ClientSampleId :
B11(0-10)-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	40862		
139	37.5	30.1	45.1	
169	14.3	10.9	16.3	

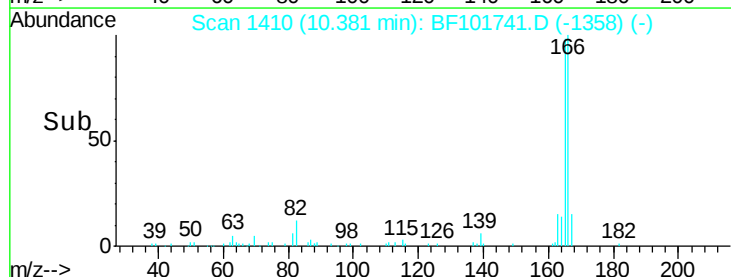
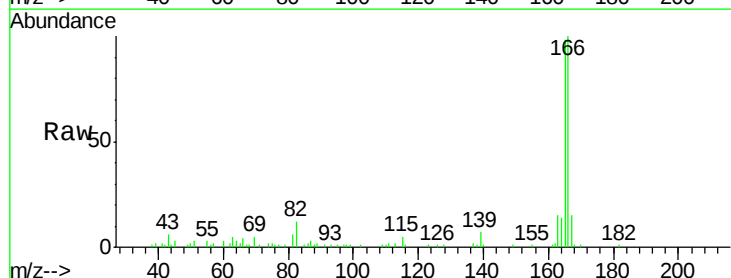
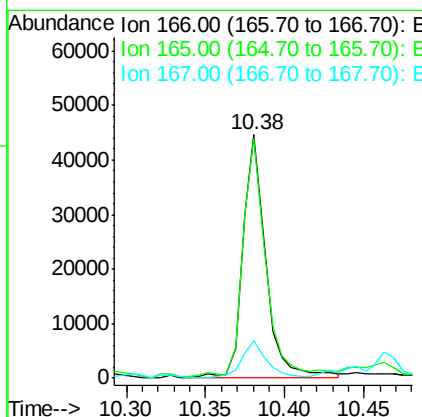
Manual Integrations
APPROVED

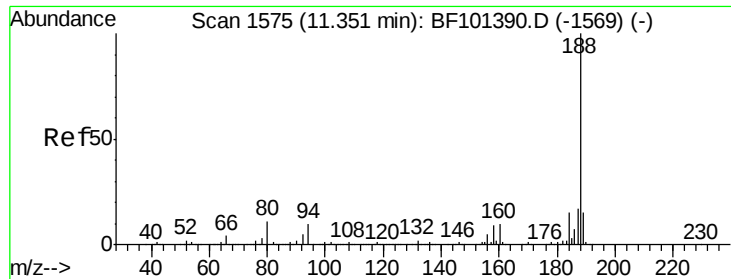
Sohil
12/27/2017 4:15:22 PM



#57
Fluorene
Concen: 3.683 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	44865		
165	98.4	79.8	119.8	
167	15.5	10.6	16.0	





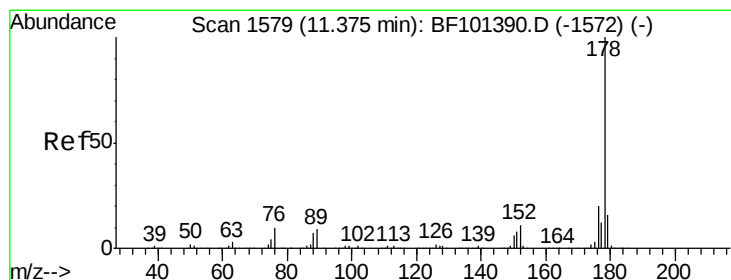
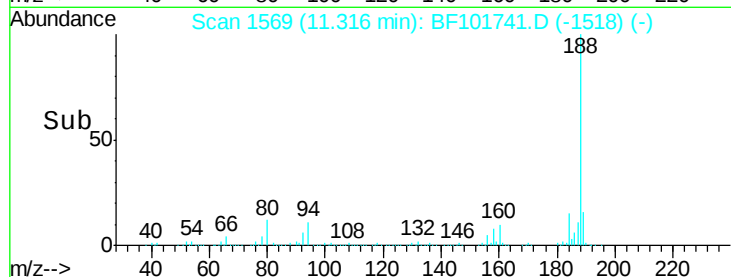
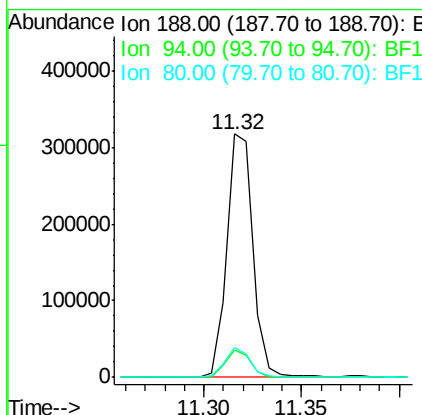
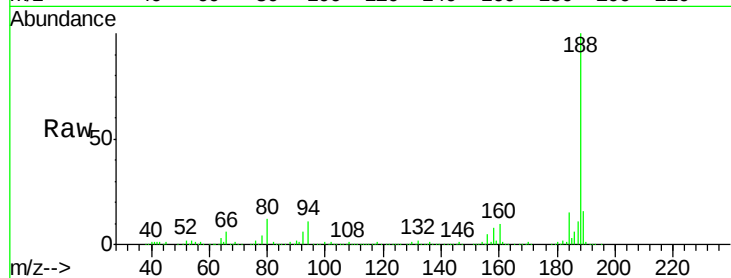
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Instrument :
BNA_F
ClientSampleId :
B11(0-10)-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.3	8.5	12.7
80	12.3	9.2	13.8

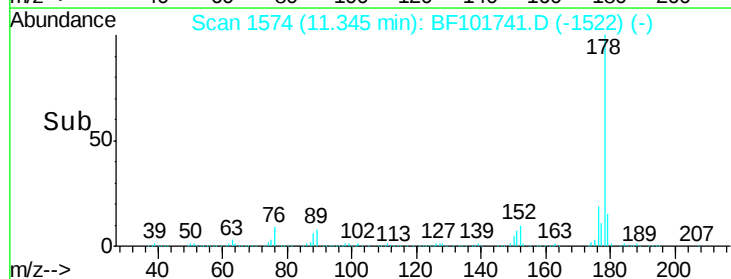
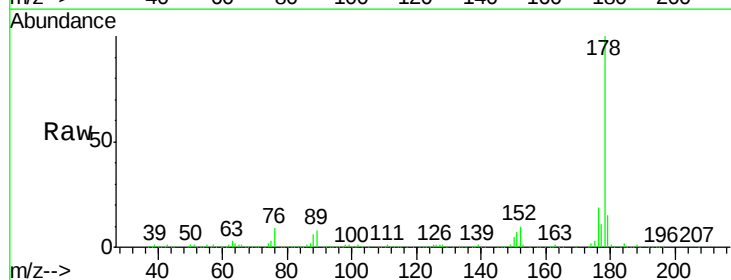
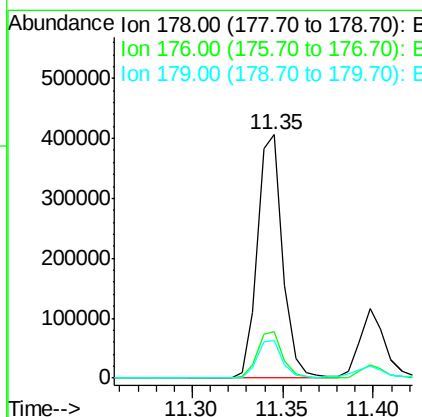
Manual Integrations
APPROVED

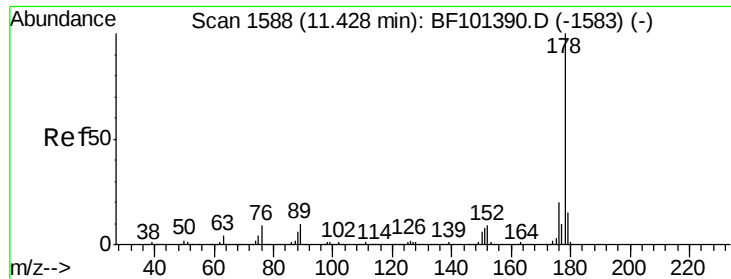
Sohil
12/27/2017 4:15:22 PM



#70
Phenanthrene
Concen: 24.082 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.8	23.8
179	15.2	13.0	19.6





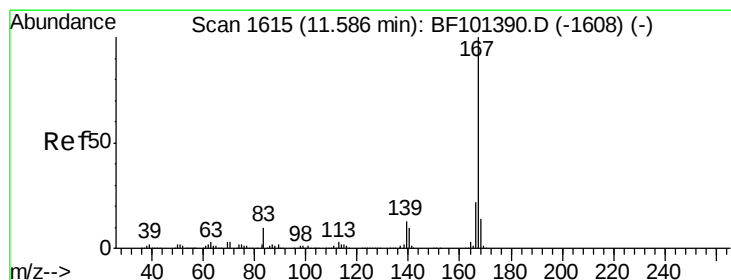
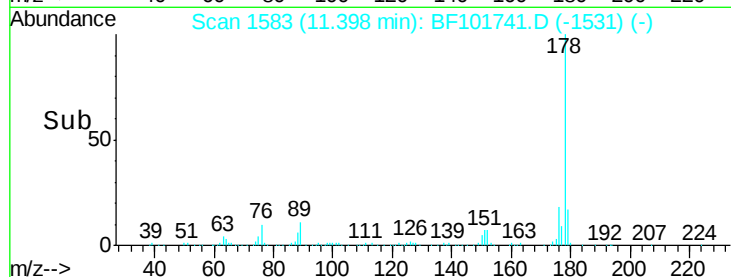
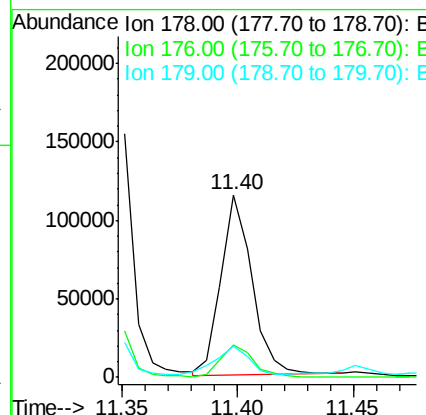
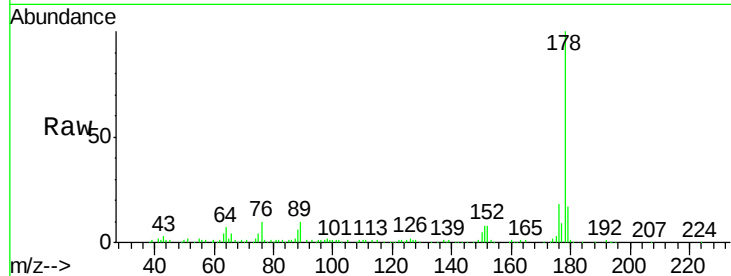
#71
 Anthracene
 Concen: 6.352 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101741.D
 Acq: 27 Dec 2017 3:47

Instrument :
 BNA_F
 ClientSampleId :
 B11(0-10)-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	16.7	12.6	19.0

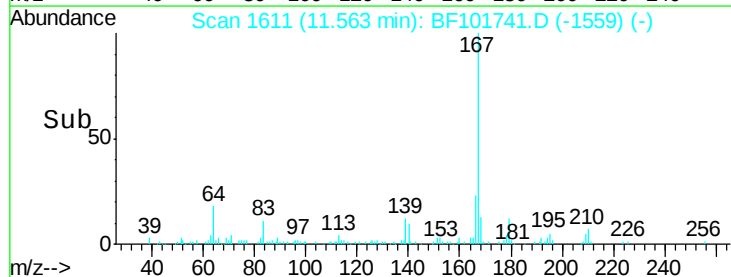
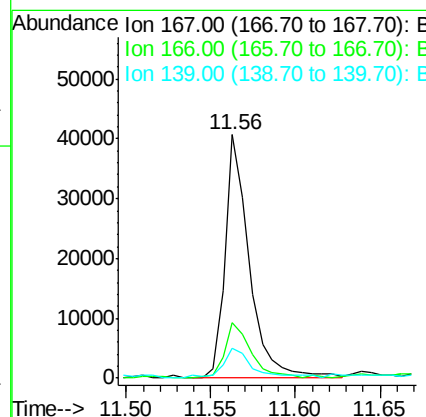
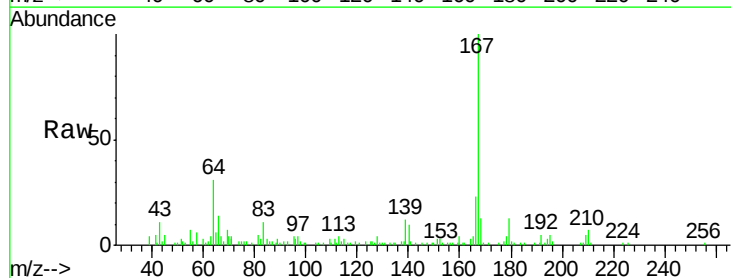
Manual Integrations
 APPROVED

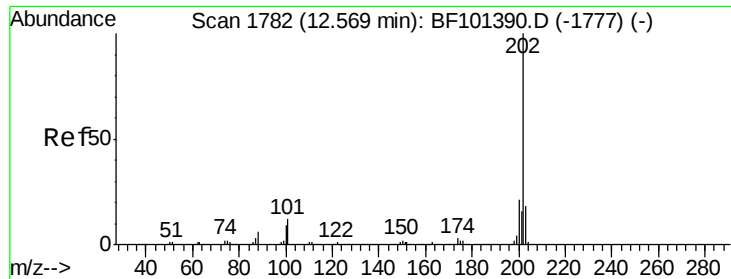
Sohil
 12/27/2017 4:15:22 PM



#72
 Carbazole
 Concen: 2.615 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF101741.D
 Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	12.5	10.9	16.3





#74

Fluoranthene

Concen: 23.448 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF101741.D

Acq: 27 Dec 2017 3:47

Instrument :

BNA_F

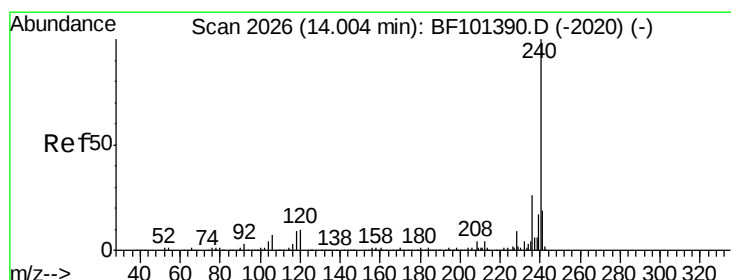
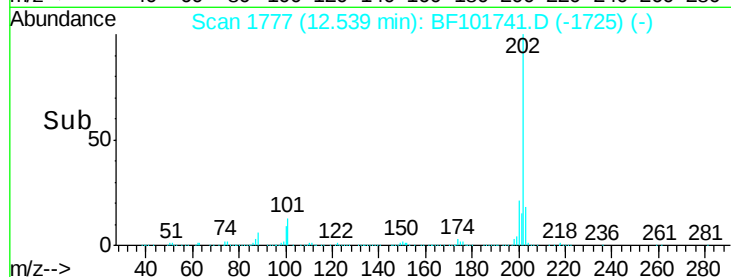
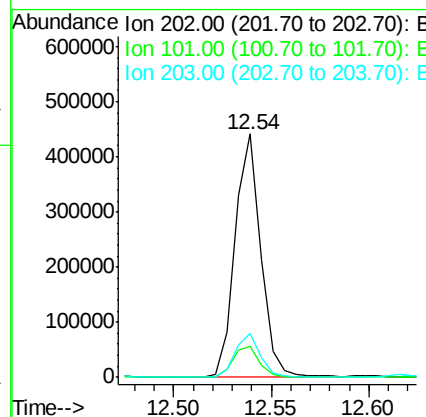
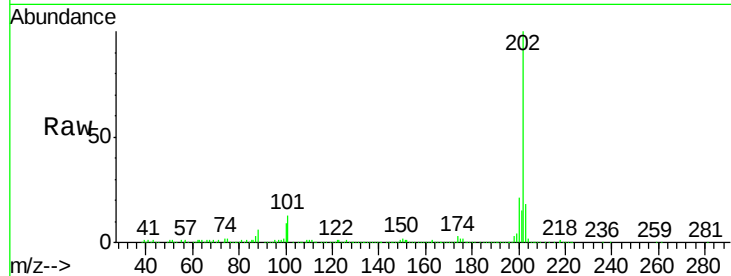
ClientSampleId :

B11(0-10)-COMP

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		403907		
101	12.7	0.0	34.1		
203	18.3	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

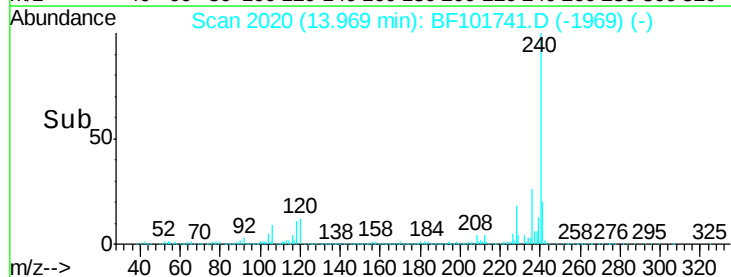
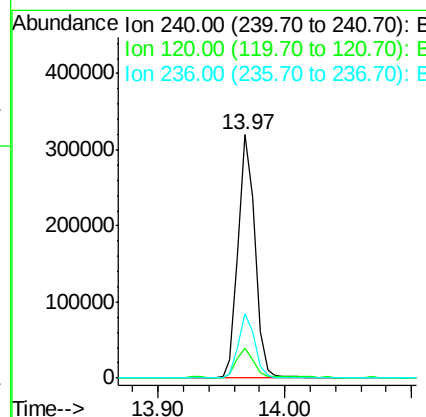
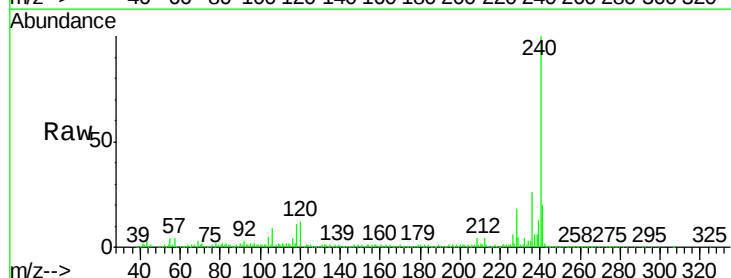
RT: 13.97 min Scan# 2020

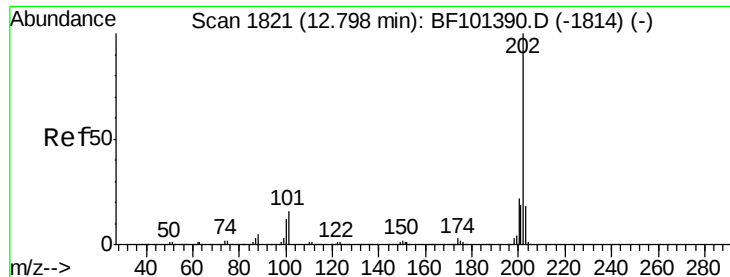
Delta R.T. 0.00 min

Lab File: BF101741.D

Acq: 27 Dec 2017 3:47

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		289749		
120	12.3	9.5	14.3		
236	26.3	20.7	31.1		





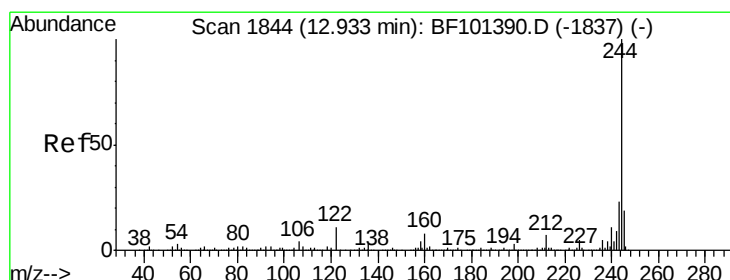
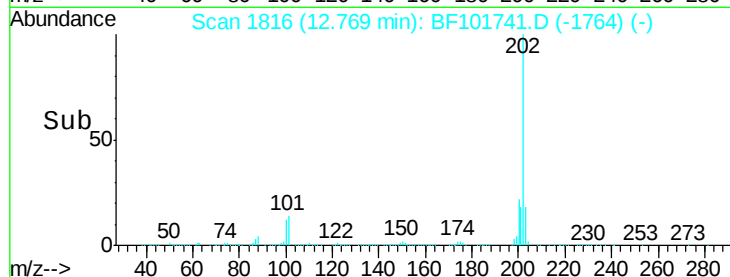
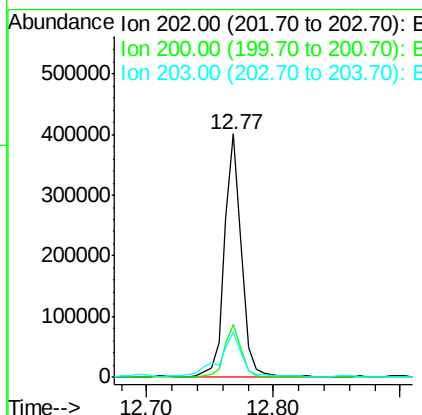
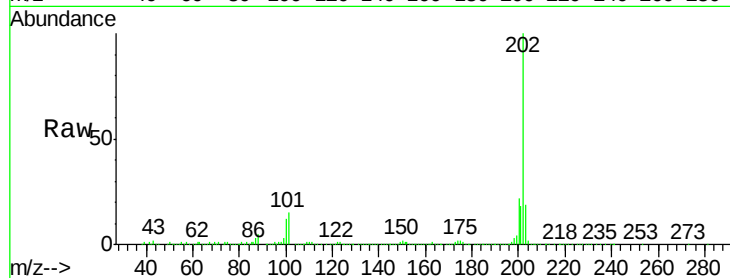
#77
 Pyrene
 Concen: 16.890 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BF101741.D
 Acq: 27 Dec 2017 3:47

Instrument :
 BNA_F
 ClientSampleId :
 B11(0-10)-COMP

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.6	14.3	21.5

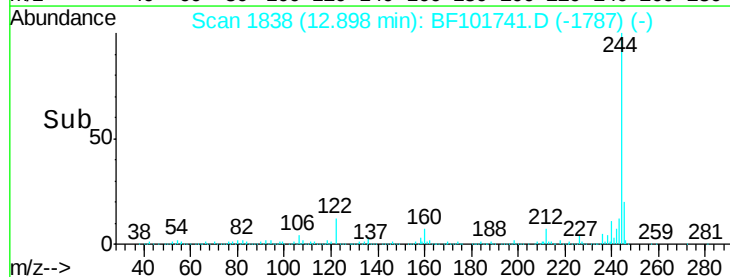
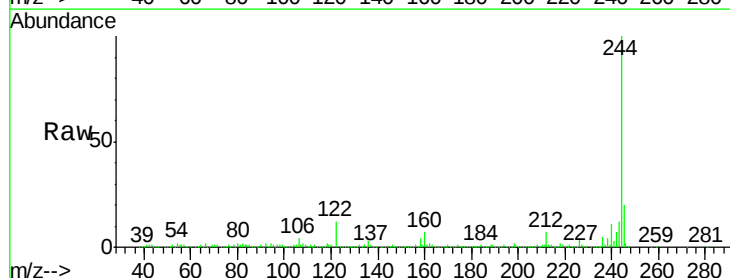
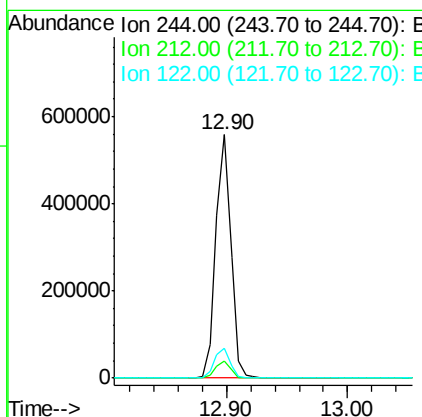
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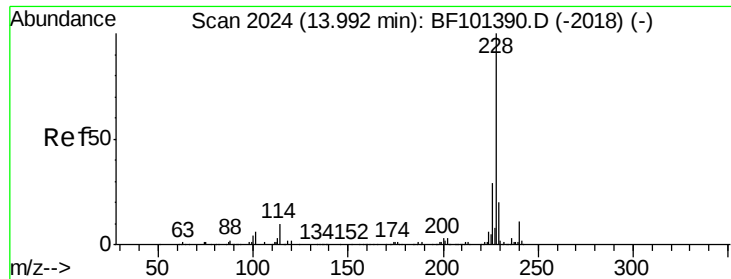
Sohil
 12/27/2017 4:15:22 PM



#78
 Terphenyl-d14
 Concen: 39.718 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF101741.D
 Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.2	11.0	16.4





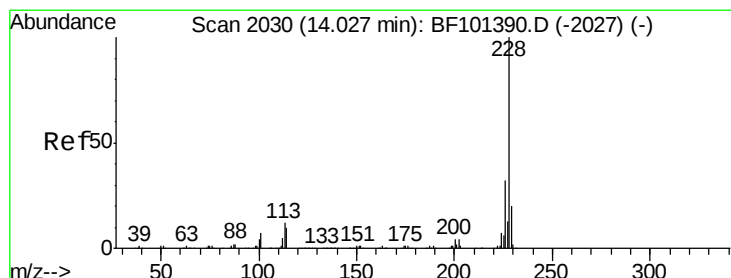
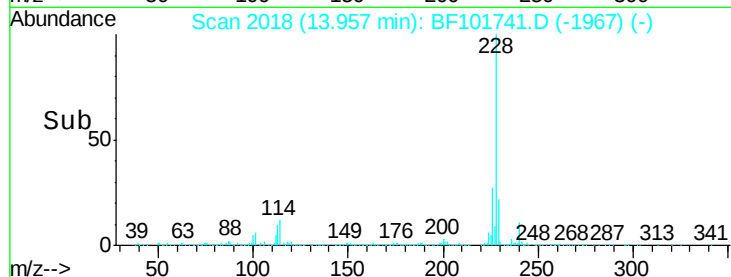
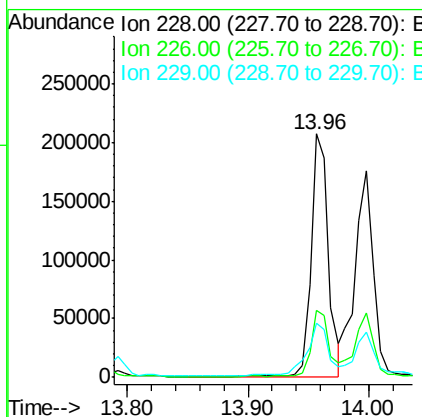
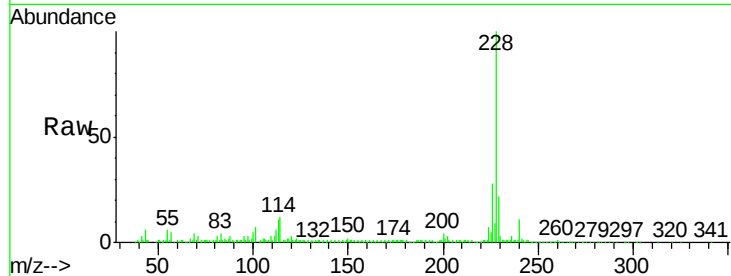
#80
Benzo(a)anthracene
Concen: 10.588 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Instrument :
BNA_F
ClientSampleId :
B11(0-10)-COMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	22.4	15.8	23.6

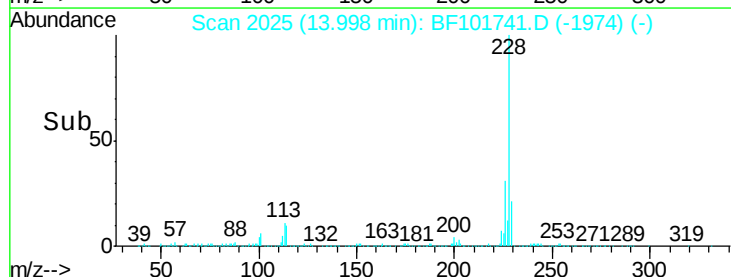
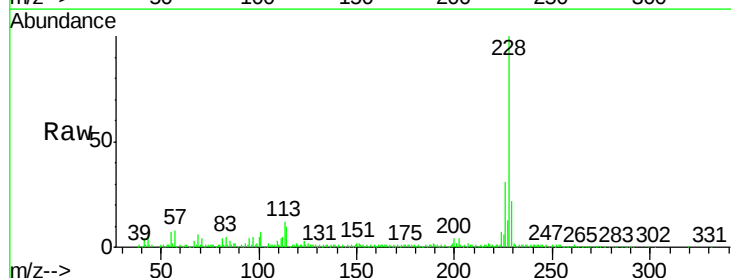
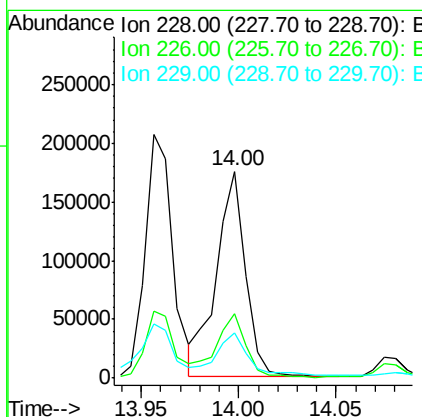
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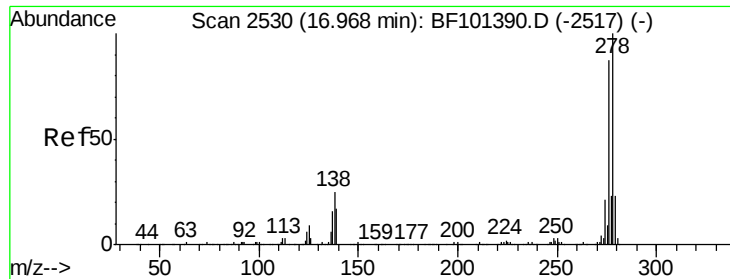
Sohil
12/27/2017 4:15:22 PM



#82
Chrysene
Concen: 10.073 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.0	16.2	24.4





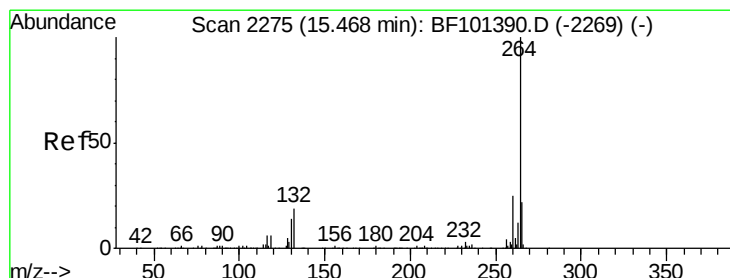
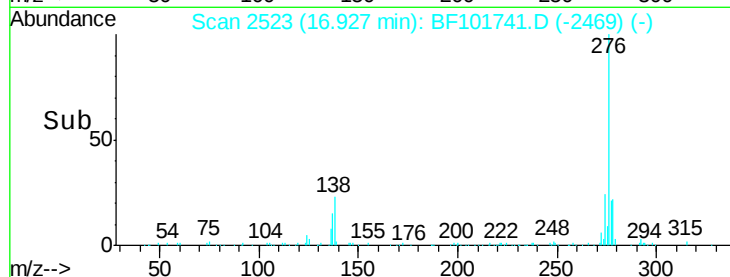
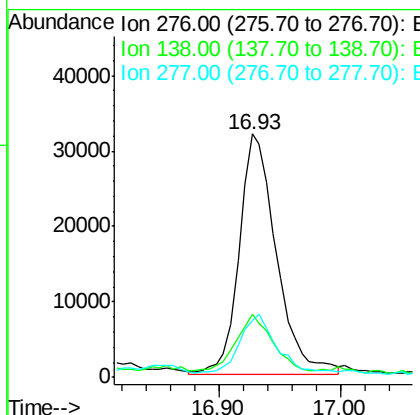
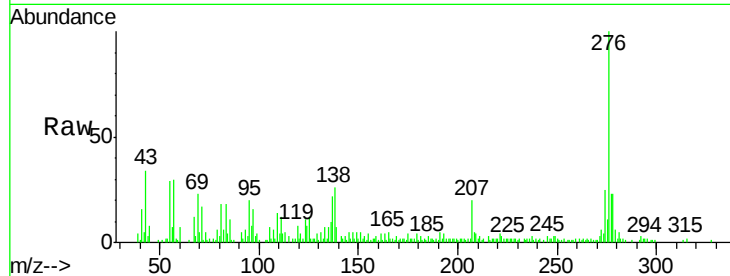
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.282 ng m
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Instrument :
BNA_F
ClientSampleId :
B11(0-10)-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	68877		
138	3.4	25.0	37.6#	
277	3.4	20.1	30.1#	

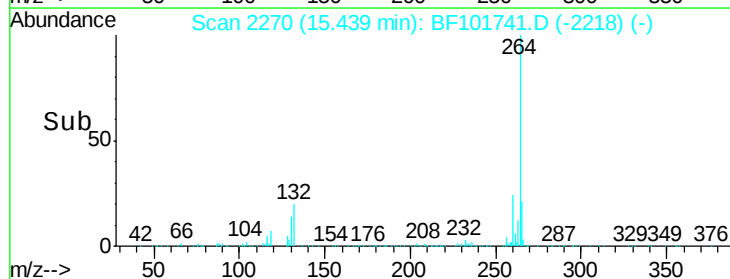
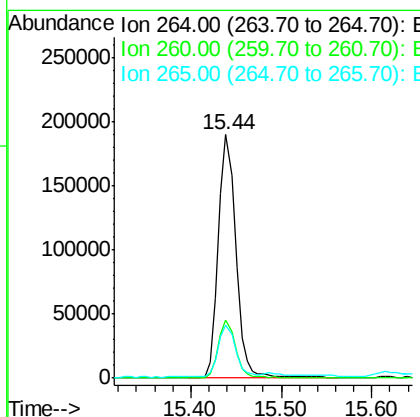
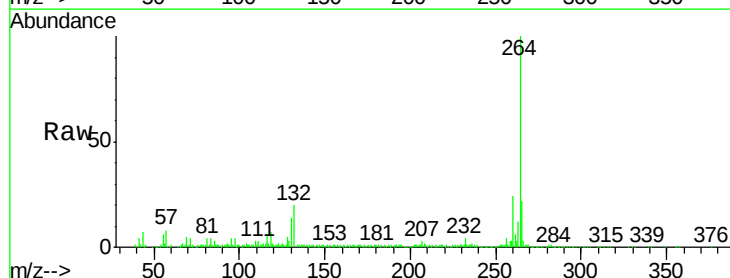
Manual Integrations
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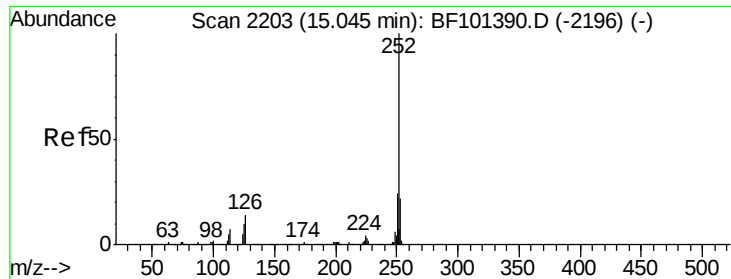
Sohil
12/27/2017 4:15:22 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	252304		
260	24.0	19.2	28.8	
265	21.6	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 12.188 ng m

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF101741.D

Acq: 27 Dec 2017 3:47

Instrument :

BNA_F

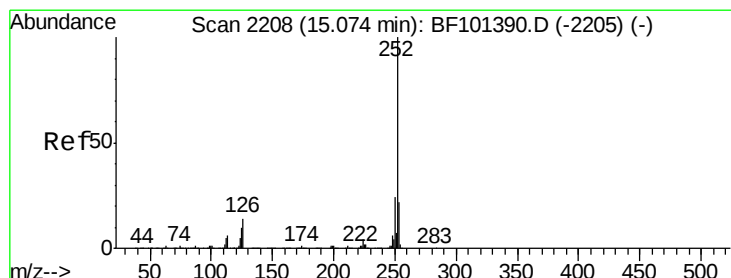
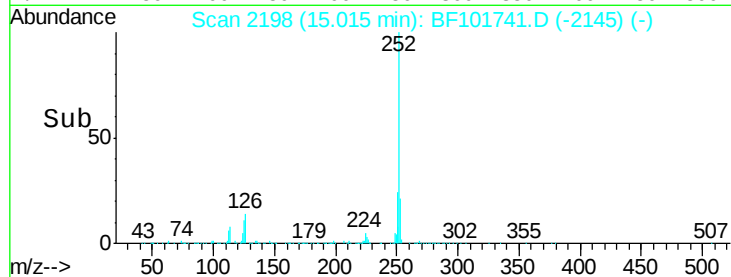
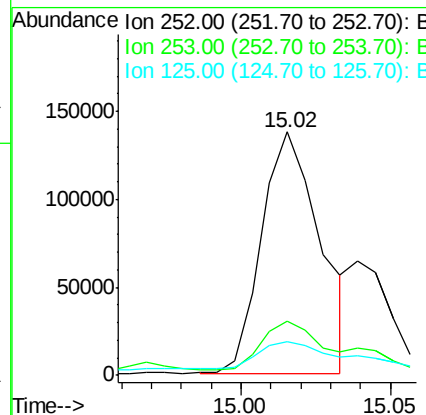
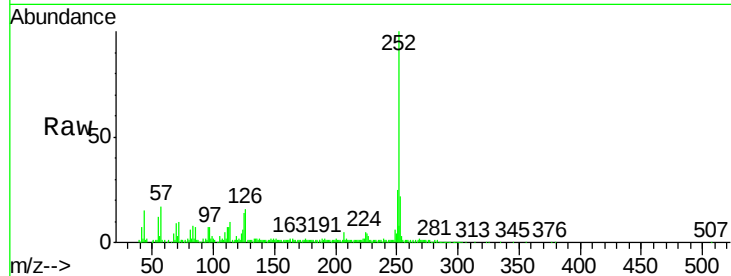
ClientSampleId :

B11(0-10)-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	14.0	9.0	13.6

Manual Integrations
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Sohil
12/27/2017 4:15:22 PM



#88

Benzo(k)fluoranthene

Concen: 4.059 ng m

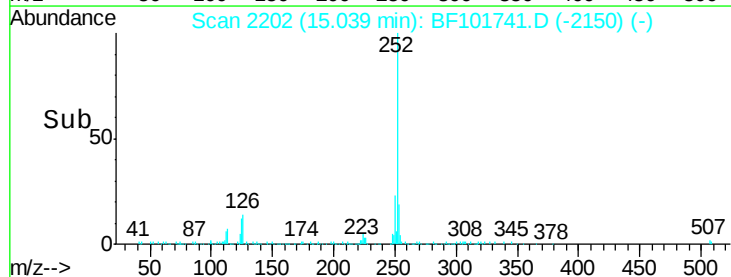
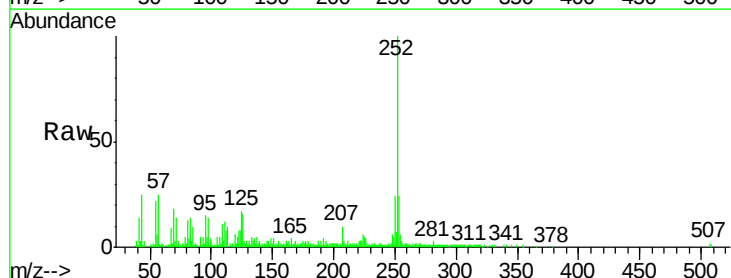
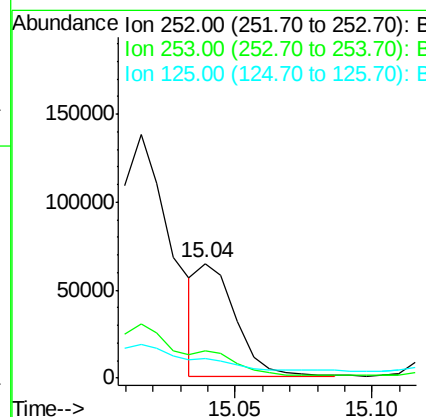
RT: 15.04 min Scan# 2202

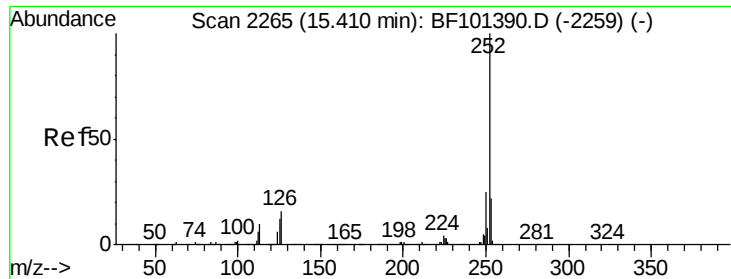
Delta R.T. 0.01 min

Lab File: BF101741.D

Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	17.5	10.2	15.2





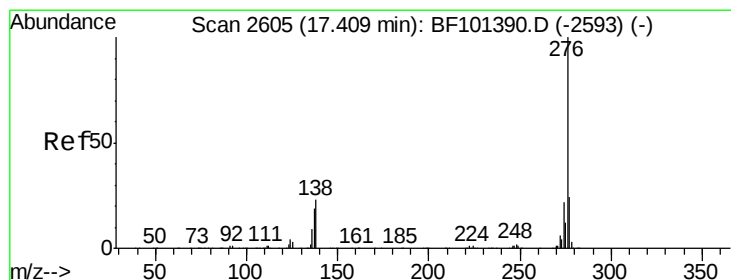
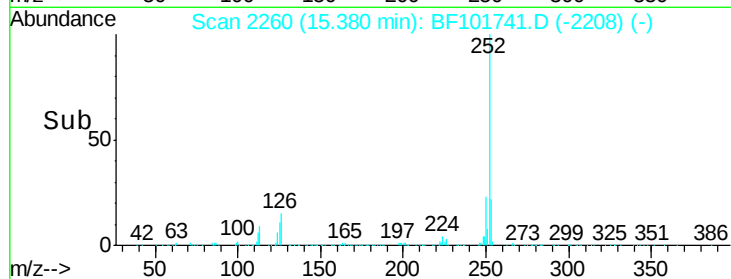
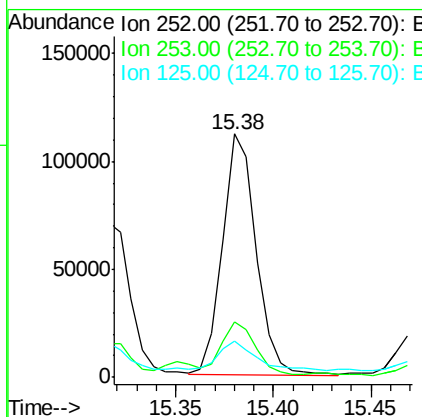
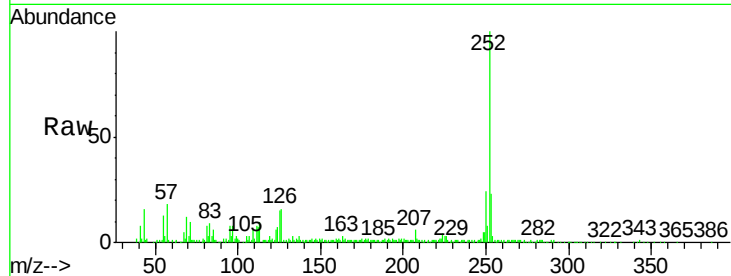
#89
Benzo(a)pyrene
Concen: 9.454 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Instrument :
BNA_F
ClientSampleId :
B11(0-10)-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	15.0	9.8	14.6

Manual Integrations
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Sohil
12/27/2017 4:15:22 PM



#91
Benzo(g,h,i)perylene
Concen: 4.981 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF101741.D
Acq: 27 Dec 2017 3:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	26.7	21.8	32.8

