

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
 Data File : BF092963.D
 Acq On : 15 Feb 2017 20:53
 Operator : SJ/MA
 Sample : I1835-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-3-COMP

Manual Integrations
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Quant Time: Feb 16 10:38:07 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	151783	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	604466	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	344334	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	560312	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	445866	20.00	ng	-0.03
86) Perylene-d12	15.46	264	347380	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	915677	103.50	ng	-0.01
7) Phenol-d6	6.51	99	1304337	114.58	ng	-0.02
23) Nitrobenzene-d5	7.44	82	816340	75.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	232901	93.52	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	1334931	70.24	ng	-0.01
78) Terphenyl-d14	12.98	244	1241994	65.45	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	311510	13.43	ng	# 99
51) Acenaphthene	9.94	154	42602	2.11	ng	93
54) Dibenzofuran	10.11	168	63279	2.35	ng	92
57) Fluorene	10.45	166	49532	2.39	ng	98
70) Phenanthrene	11.41	178	645818	20.12	ng	99
71) Anthracene	11.46	178	167215	5.19	ng	99
72) Carbazole	11.62	167	75015	2.43	ng	98
74) Fluoranthene	12.60	202	534707	16.15	ng	93
77) Pyrene	12.83	202	444216	13.31	ng	98
79) Butylbenzylphthalate	13.45	149	28486	2.10	ng	# 81
80) Benzo(a)anthracene	14.01	228	235402	8.63	ng	99
82) Chrysene	14.04	228	175039m	6.86	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	48757m	2.47	ng	
87) Benzo(b)fluoranthene	15.05	252	172852m	7.56	ng	
88) Benzo(k)fluoranthene	15.07	252	51471m	2.61	ng	
89) Benzo(a)pyrene	15.39	252	111289	5.63	ng	# 97
91) Benzo(g,h,i)perylene	17.29	276	41419	2.56	ng	# 93

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

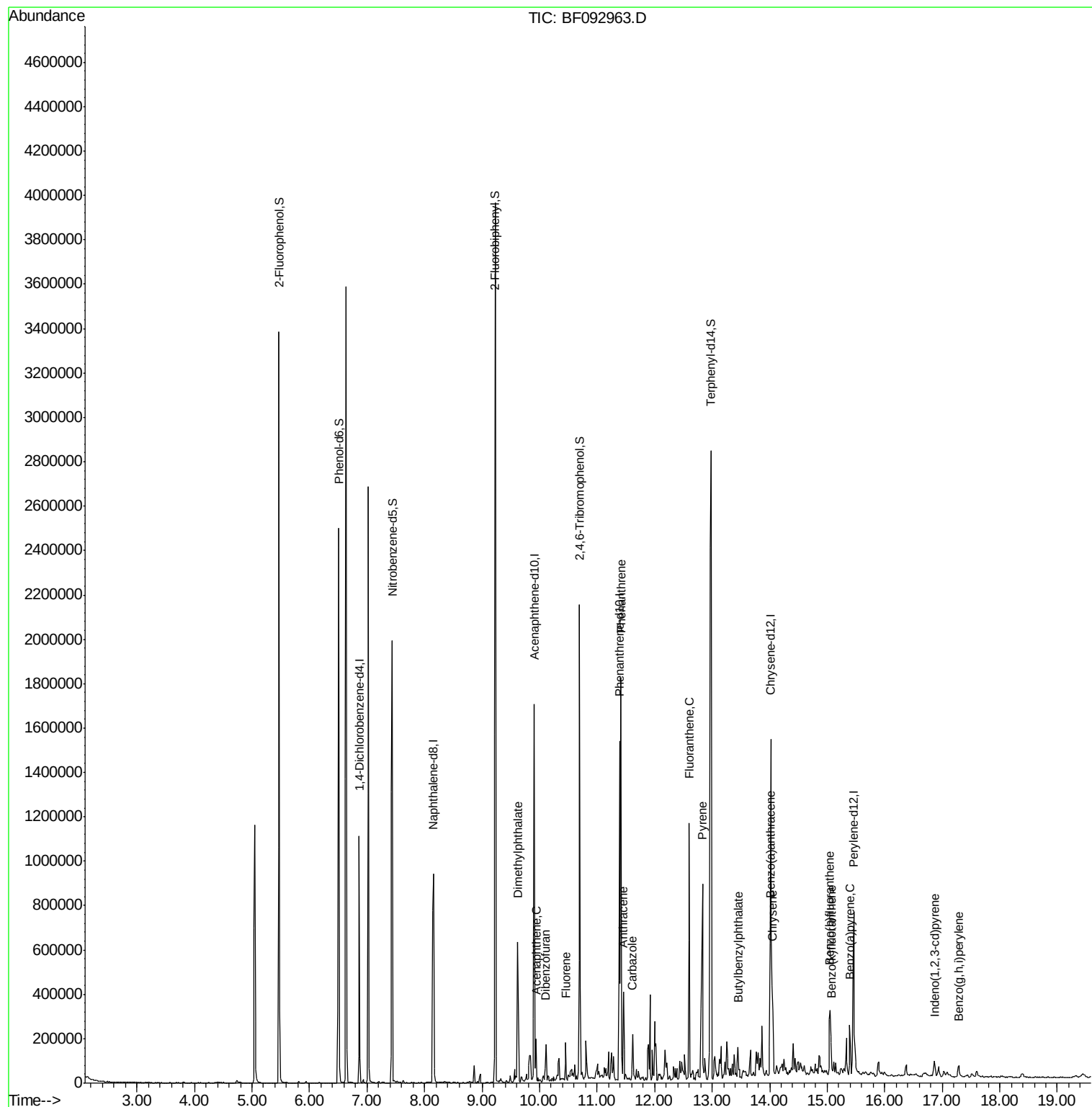
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
Data File : BF092963.D
Acq On : 15 Feb 2017 20:53
Operator : SJ/MA
Sample : I1835-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

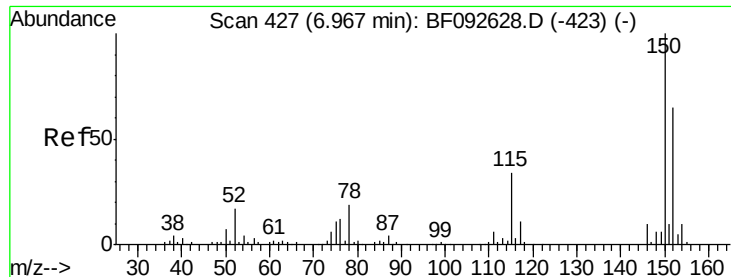
Instrument :
BNA_F
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TEST-PIT-3-COMP

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#1

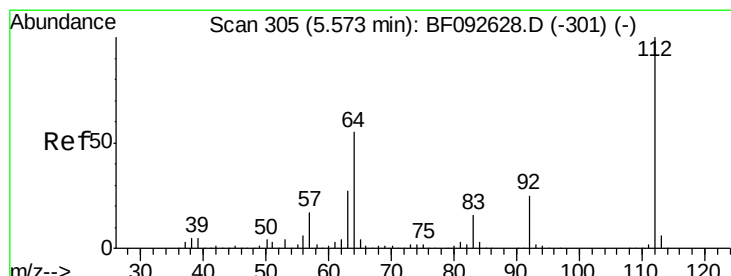
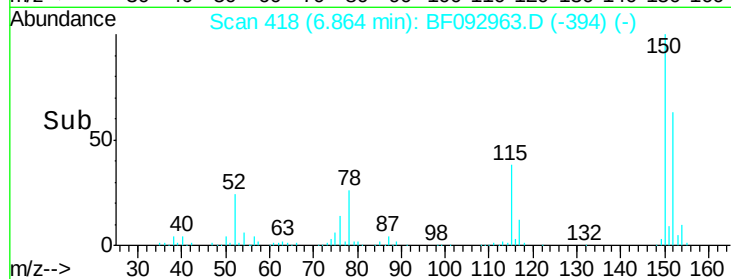
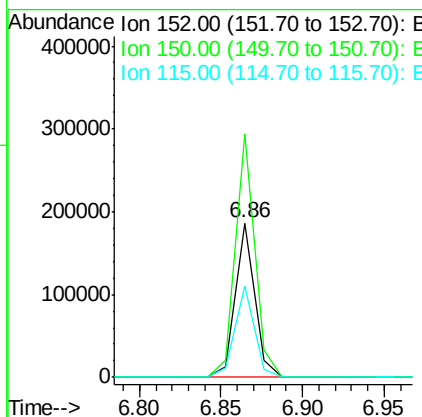
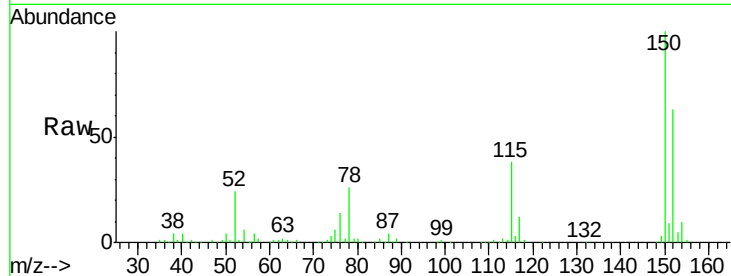
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.02 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-3-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	151783		
150	157.8	124.9	187.3	
115	59.5	46.0	69.0	

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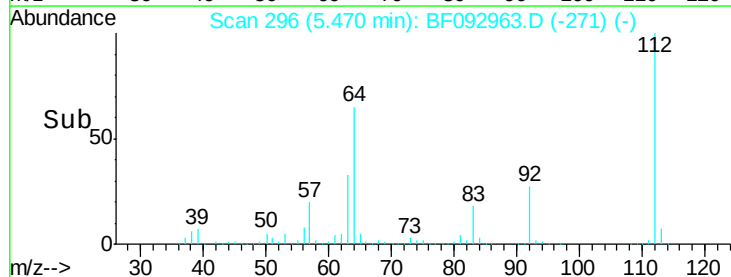
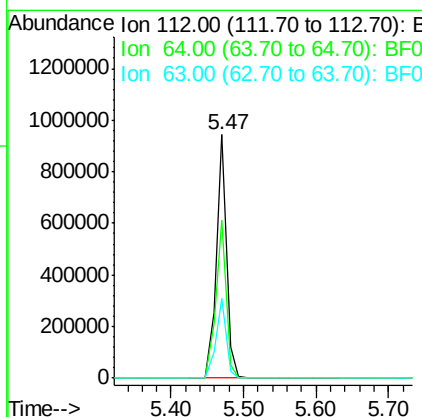
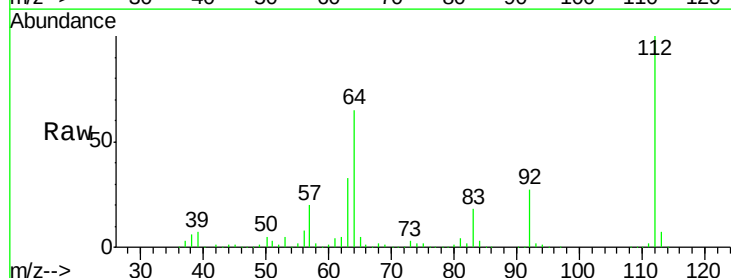
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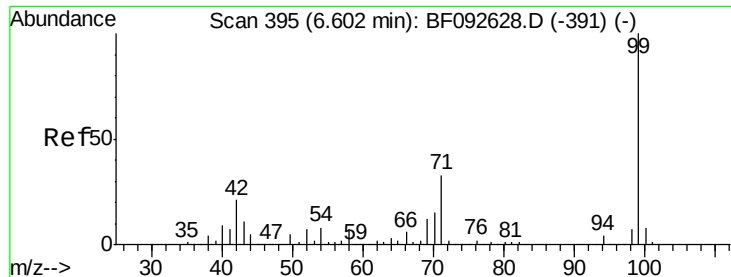


#5

2-Fluorophenol
Concen: 103.50 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	915677		
64	64.7	46.1	69.1	
63	32.6	23.8	35.6	





#7

Phenol-d6

Concen: 114.58 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092963.D

Acq: 15 Feb 2017 20:53

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-3-COMP

Tgt Ion: 99 Resp: 1304337

Ion Ratio Lower Upper

99 100

42 15.0 15.6 23.4#

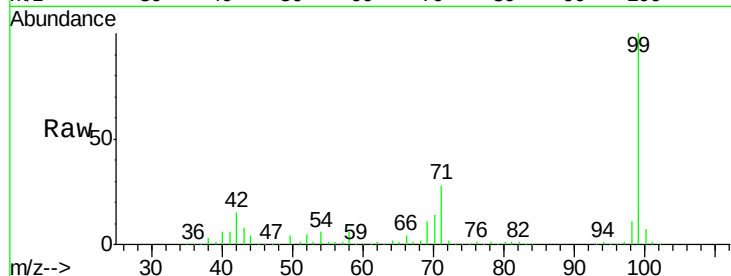
71 27.9 27.5 41.3

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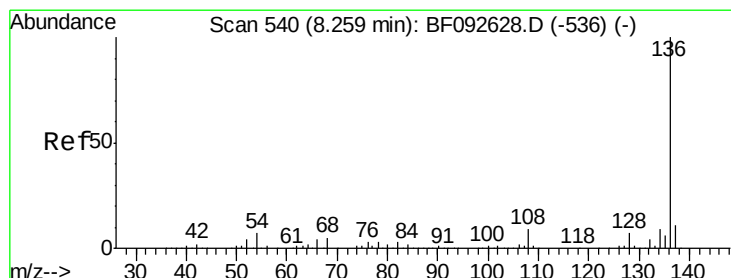
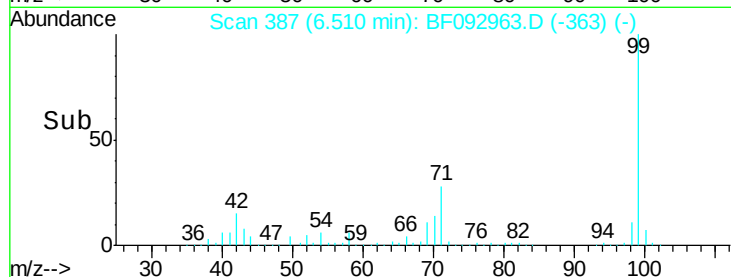
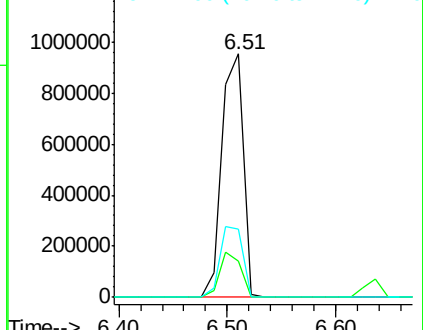
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF092963.D

Acq: 15 Feb 2017 20:53

Tgt Ion: 136 Resp: 604466

Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 6.9 4.5 6.7#

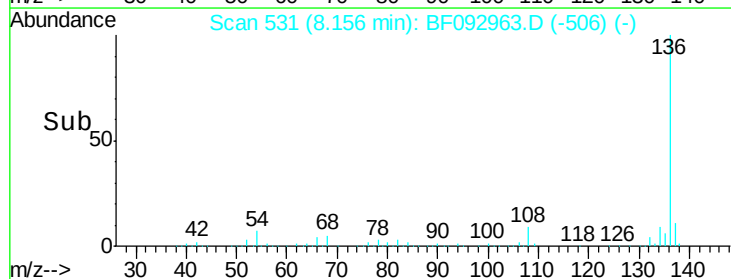
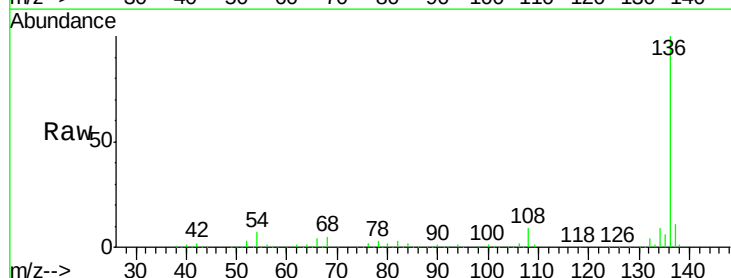
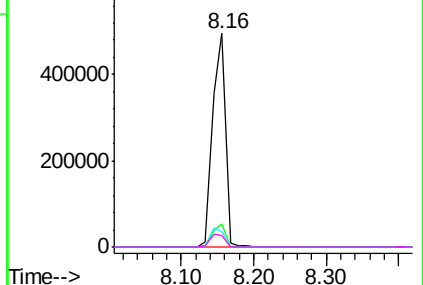
68 5.2 3.6 5.4

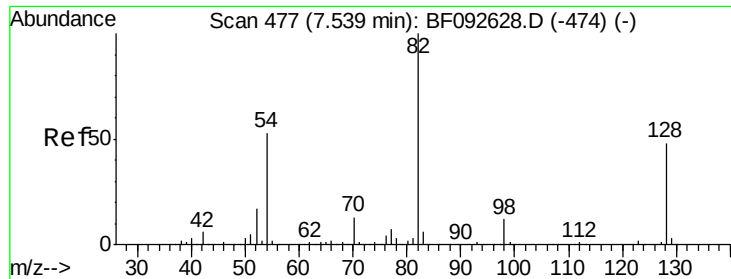
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





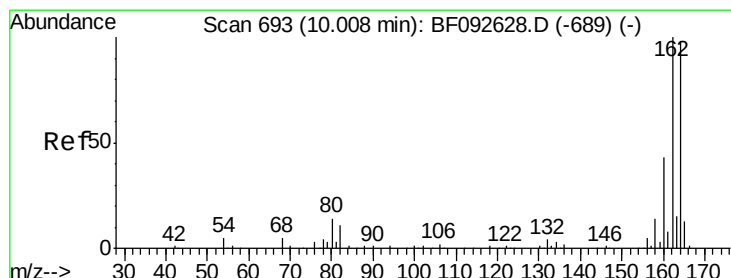
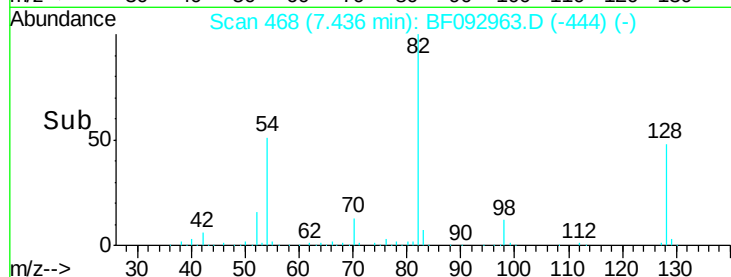
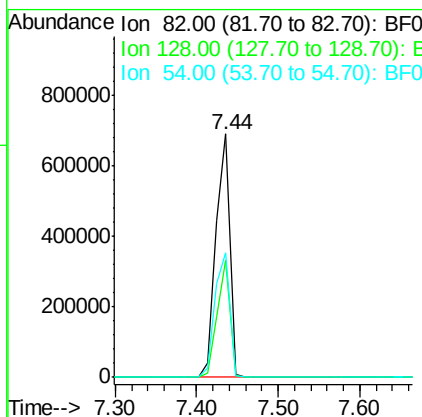
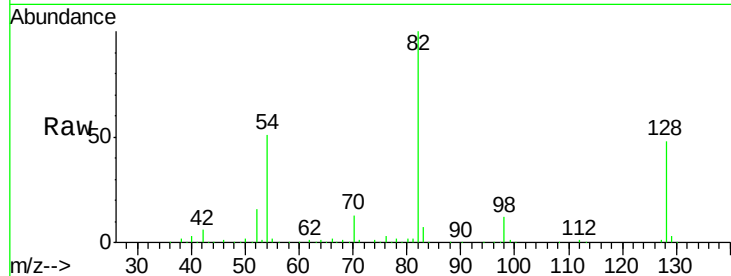
#23
 Nitrobenzene-d5
 Concen: 75.21 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF092963.D
 Acq: 15 Feb 2017 20:53

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-3-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	816340		
128	48.0	34.6	52.0	
54	51.0	39.5	59.3	

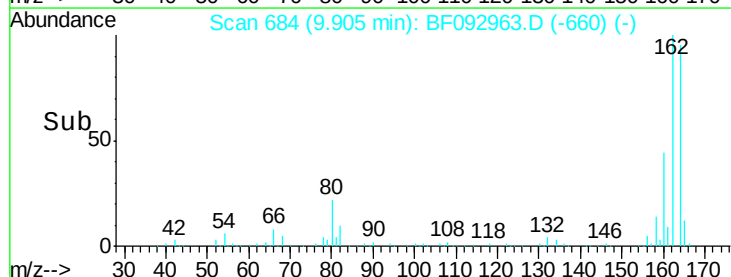
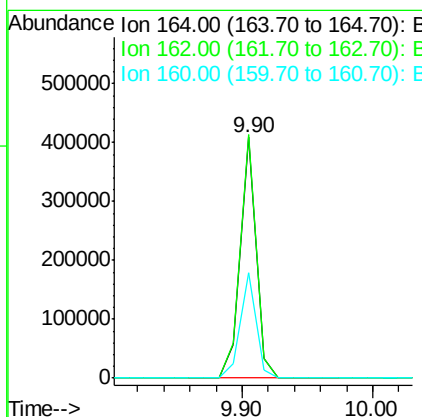
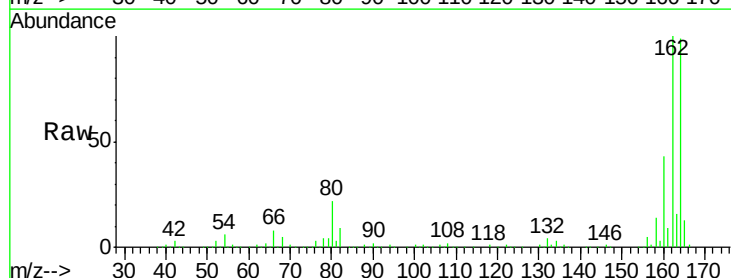
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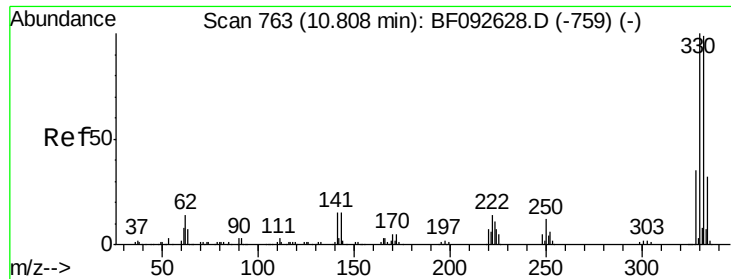
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.02 min
 Lab File: BF092963.D
 Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	344334		
162	101.1	80.2	120.2	
160	43.9	36.9	55.3	





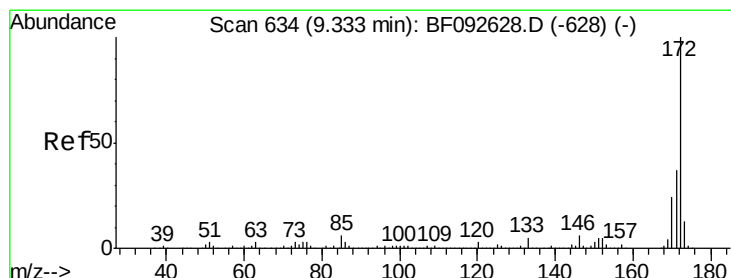
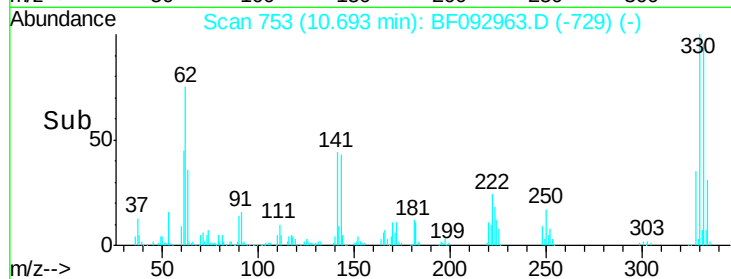
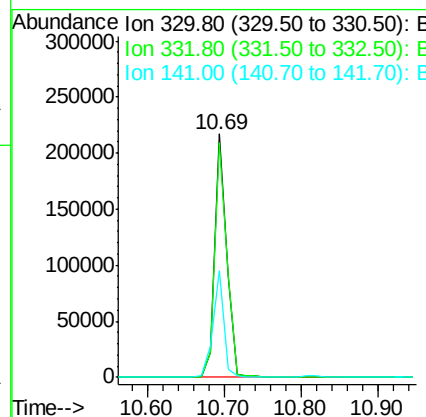
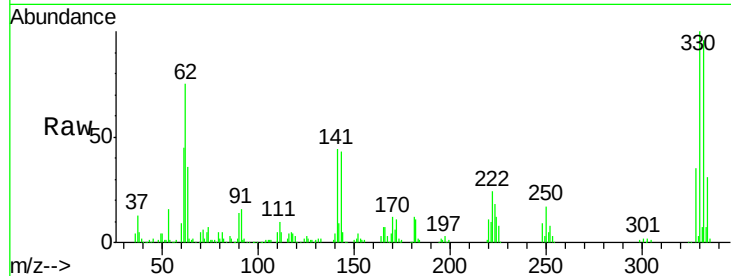
#41
 2,4,6-Tribromophenol
 Concen: 93.52 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF092963.D
 Acq: 15 Feb 2017 20:53

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-3-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	232901		
332	97.2	77.4	116.2	
141	39.9	34.1	51.1	

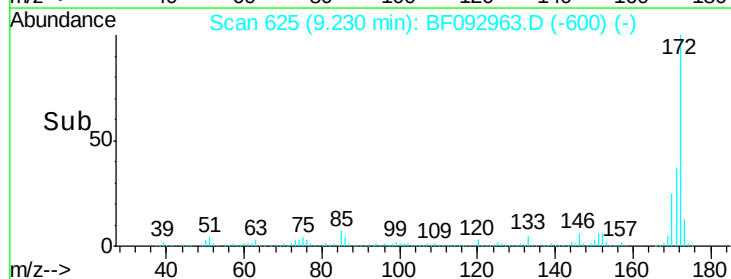
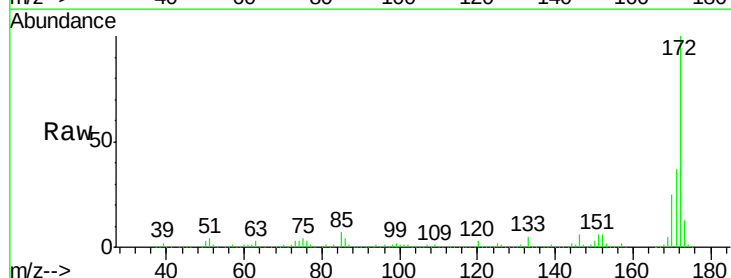
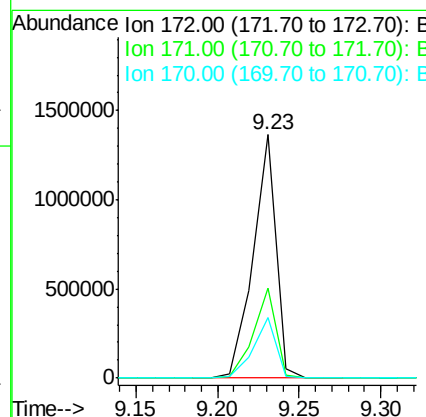
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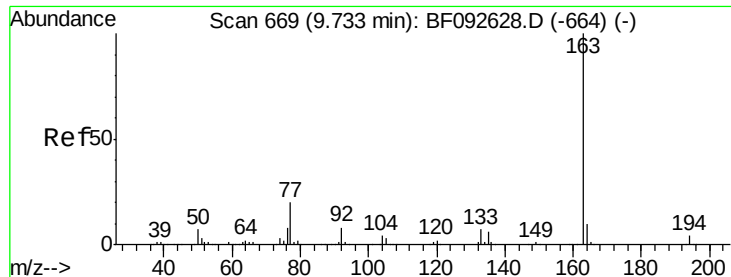
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#44
 2-Fluorobiphenyl
 Concen: 70.24 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF092963.D
 Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1334931		
171	36.9	29.4	44.0	
170	24.6	20.2	30.4	





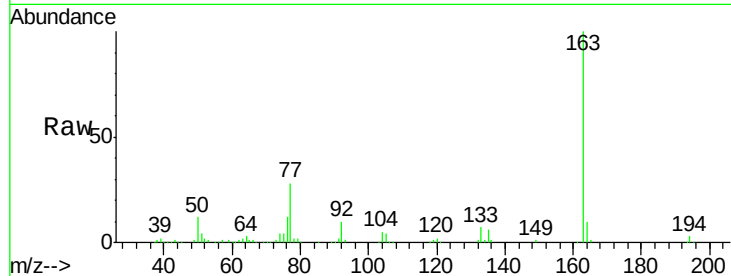
#49
Dimethylphthalate
Concen: 13.43 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.03 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-3-COMP

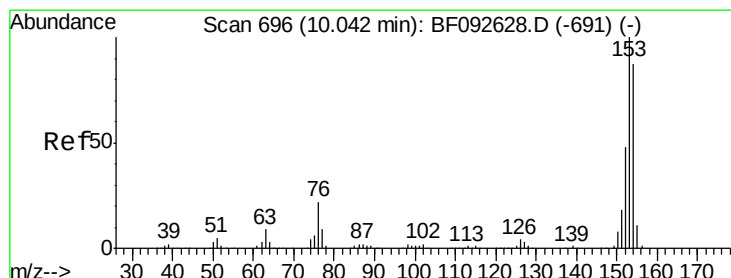
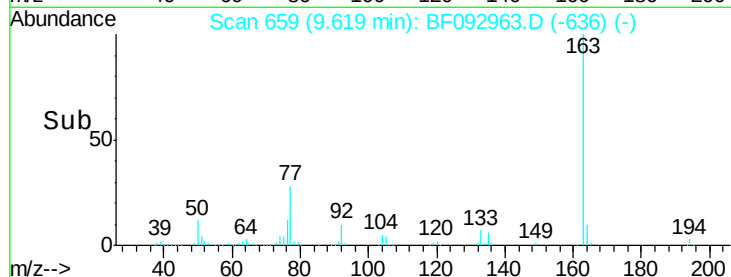
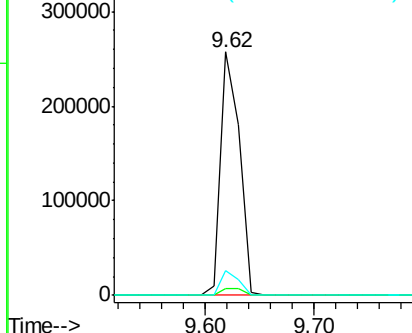
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	311510		
194	3.0	3.0	4.4#	
164	10.0	8.0	12.0	

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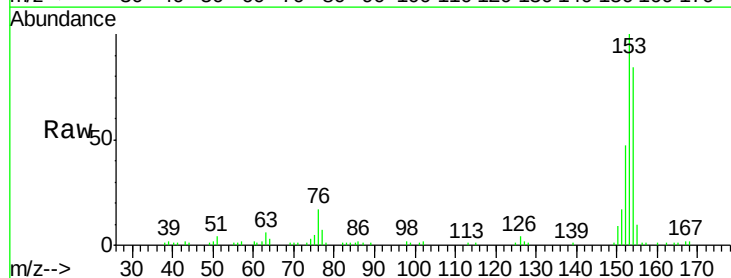


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

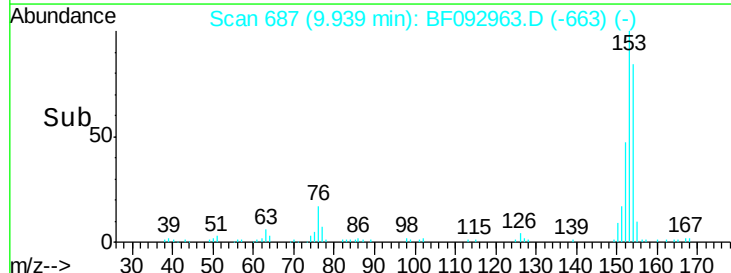
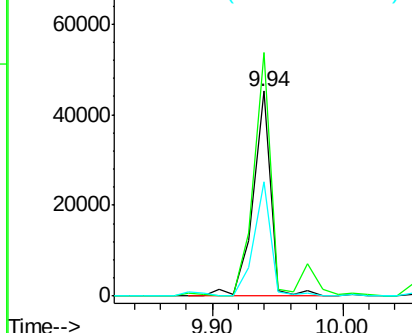


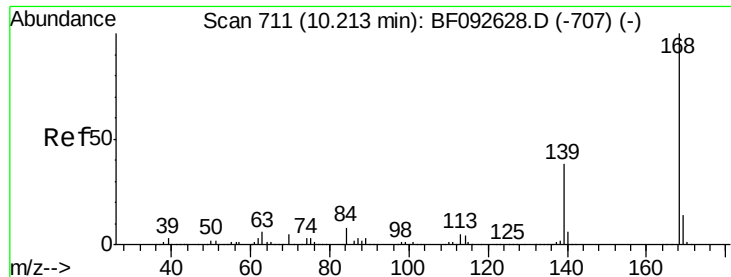
#51
Acenaphthene
Concen: 2.11 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42602		
153	118.7	88.6	133.0	
152	55.6	41.6	62.4	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.35 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF092963.D

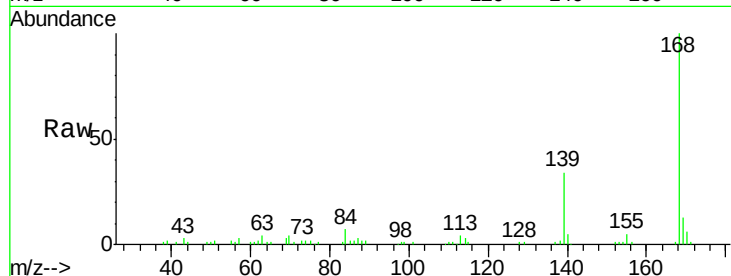
Acq: 15 Feb 2017 20:53

Instrument :

BNA_F

ClientSampleId :

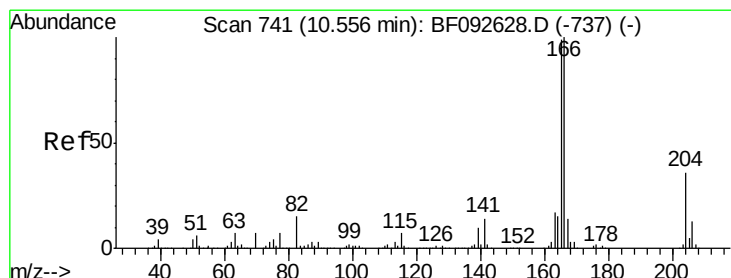
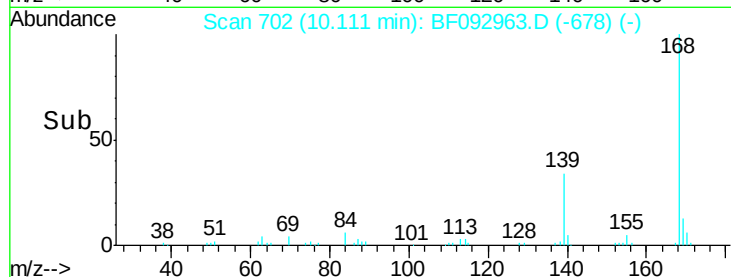
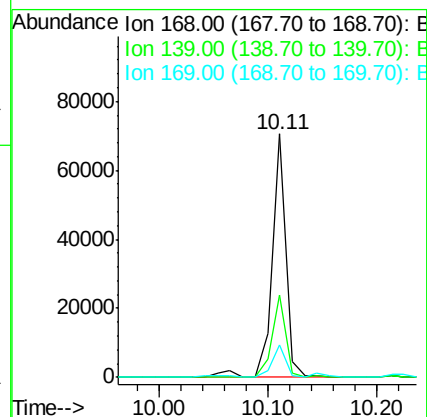
TEST-PIT-3-COMP



Tgt Ion:	168	Resp:	63279
Ion Ratio	Lower	Upper	
168	100		
139	34.1	32.6	49.0
169	13.4	11.3	16.9

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#57

Fluorene

Concen: 2.39 ng

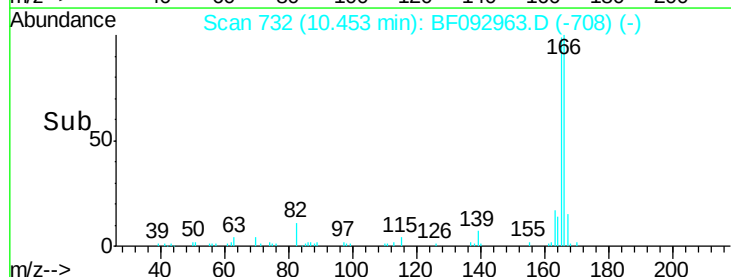
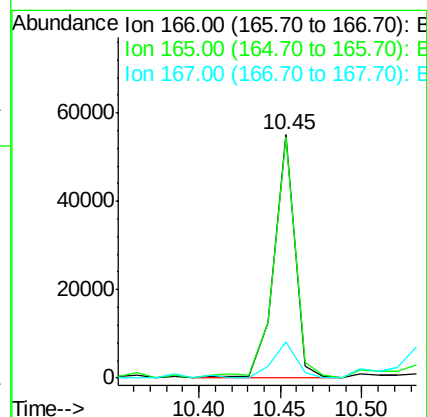
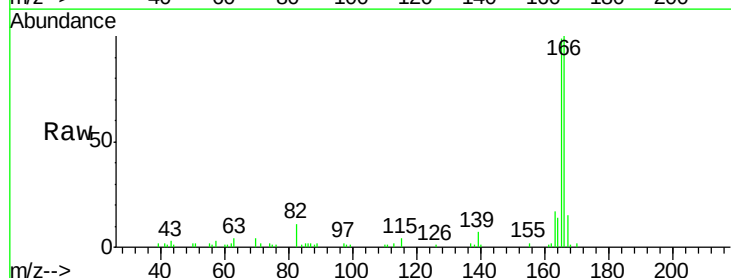
RT: 10.45 min Scan# 732

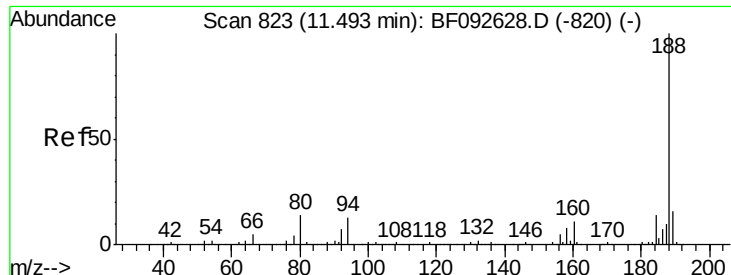
Delta R.T. -0.02 min

Lab File: BF092963.D

Acq: 15 Feb 2017 20:53

Tgt Ion:	166	Resp:	49532
Ion Ratio	Lower	Upper	
166	100		
165	99.2	77.8	116.8
167	15.0	10.8	16.2





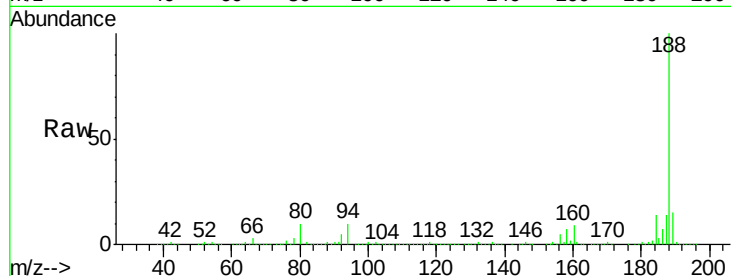
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-3-COMP

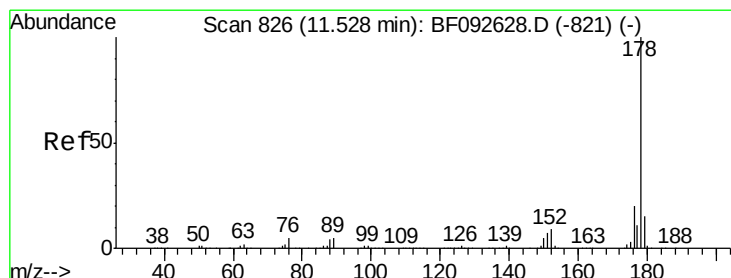
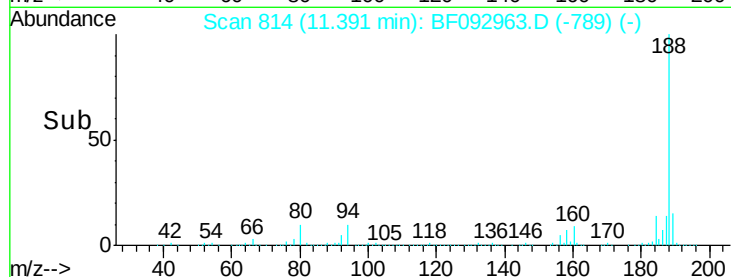
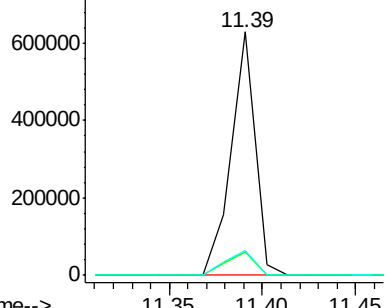
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.7	10.0	15.0#
80	10.1	11.2	16.8#

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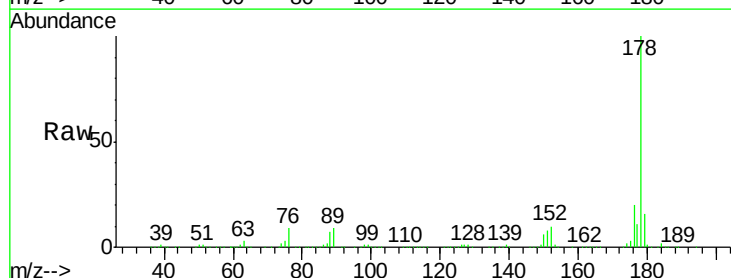


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

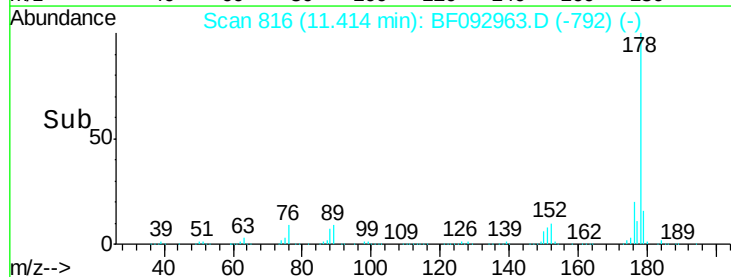
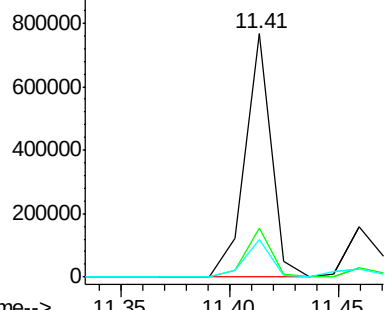


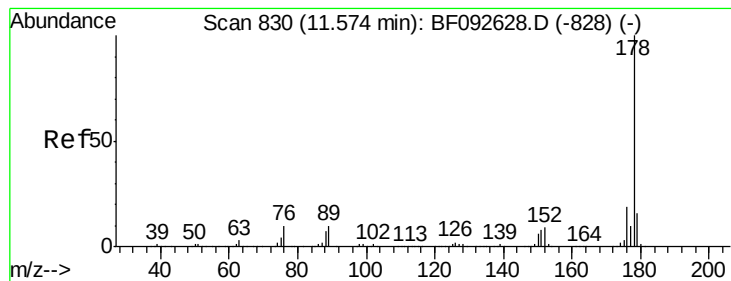
#70
Phenanthrene
Concen: 20.12 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	16.6	25.0
179	15.6	12.8	19.2



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





#71

Anthracene

Concen: 5.19 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF092963.D

Acq: 15 Feb 2017 20:53

Instrument :

BNA_F

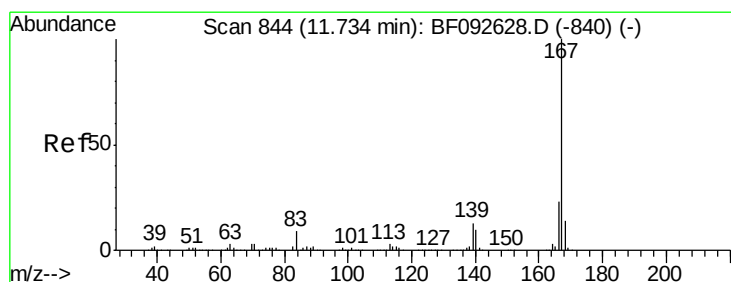
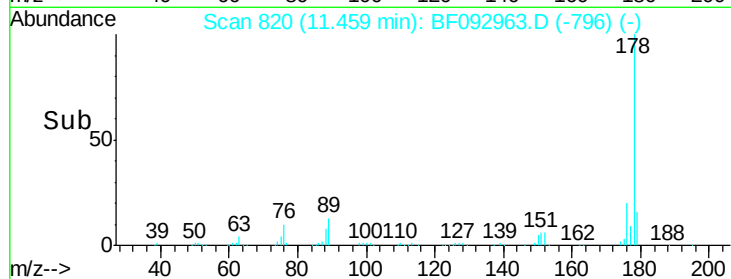
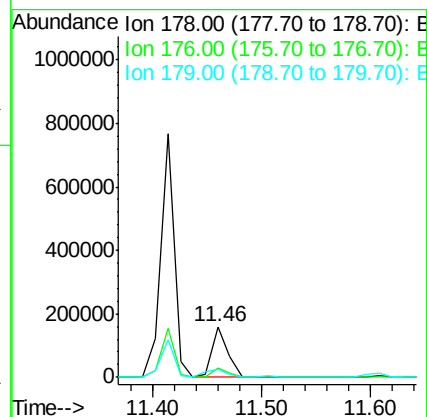
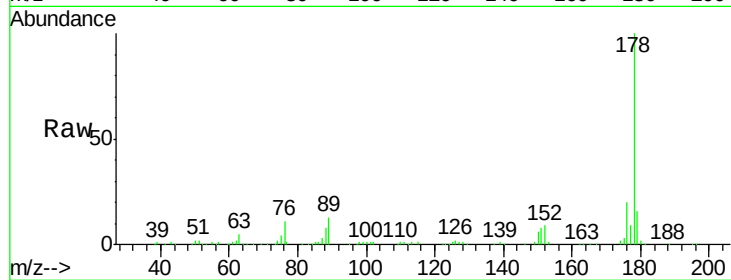
ClientSampleId :

TEST-PIT-3-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	16.0	13.2	19.8

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#72

Carbazole

Concen: 2.43 ng

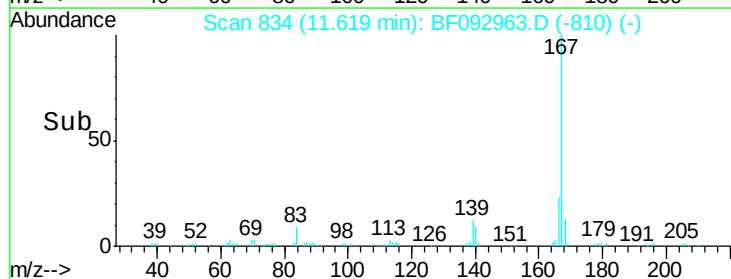
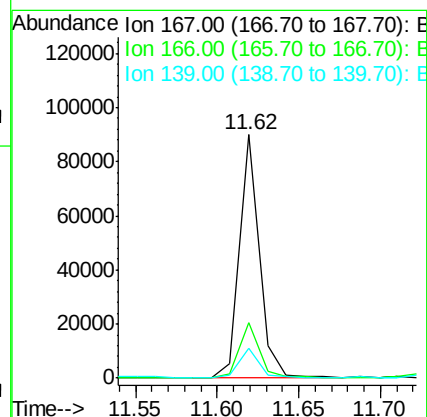
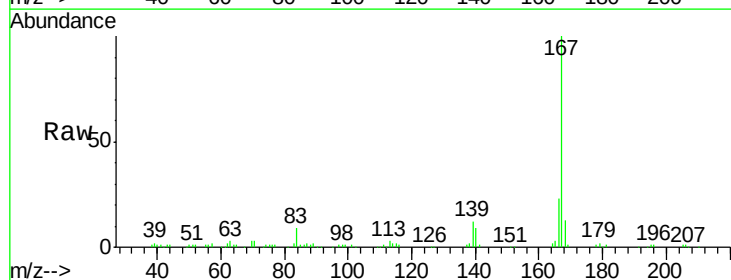
RT: 11.62 min Scan# 834

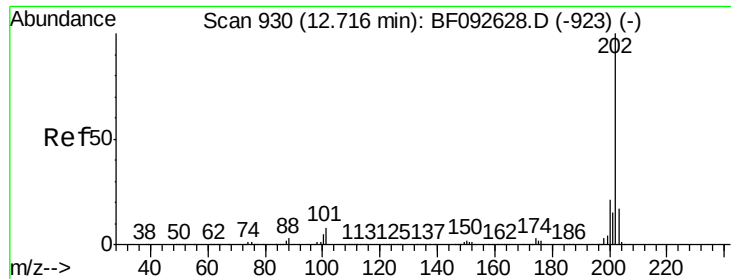
Delta R.T. -0.02 min

Lab File: BF092963.D

Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.2	27.2
139	12.3	11.4	17.2





#74

Fluoranthene

Concen: 16.15 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF092963.D

Acq: 15 Feb 2017 20:53

Instrument :

BNA_F

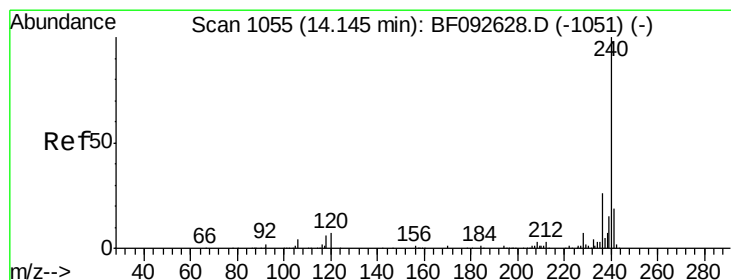
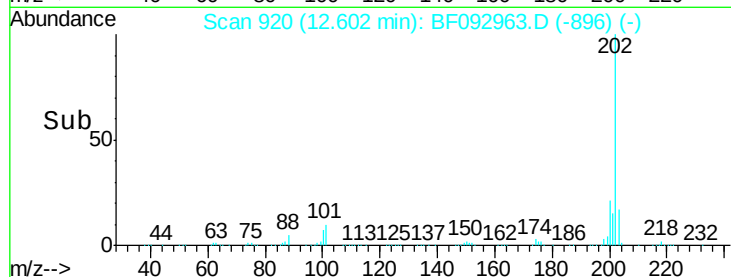
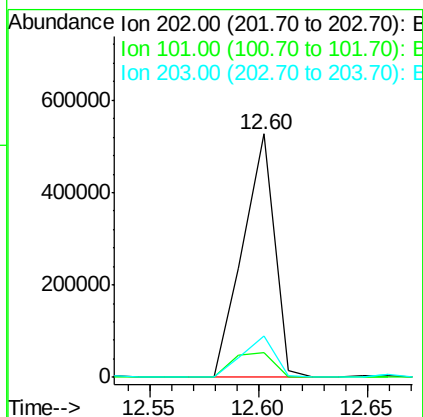
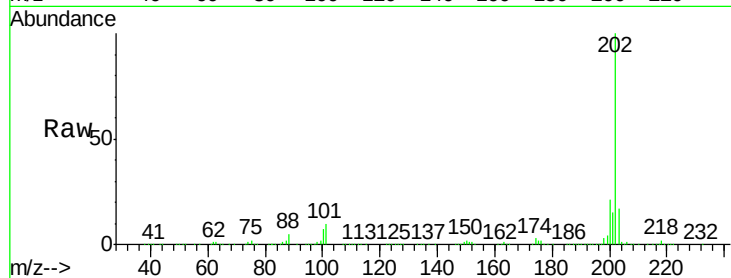
ClientSampleId :

TEST-PIT-3-COMP

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		534707		
101	10.0	0.0	34.6		
203	17.2	0.0	38.7		

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#75

Chrysene-d12

Concen: 20.00 ng

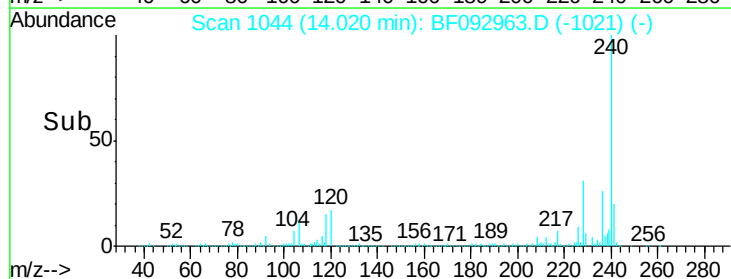
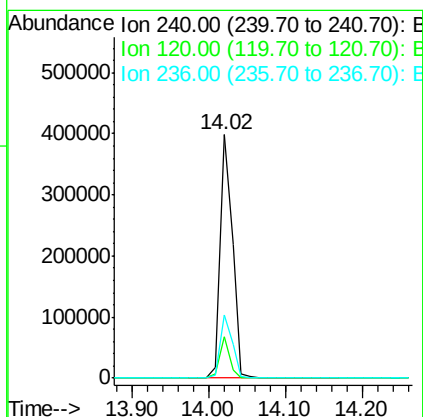
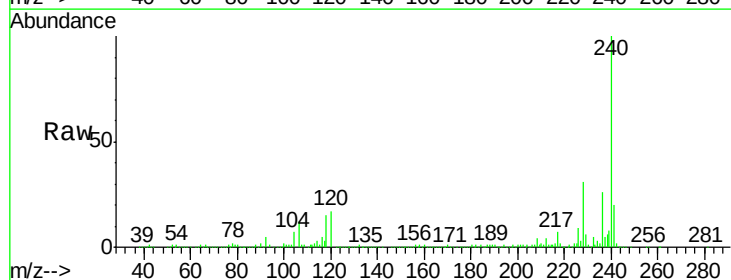
RT: 14.02 min Scan# 1044

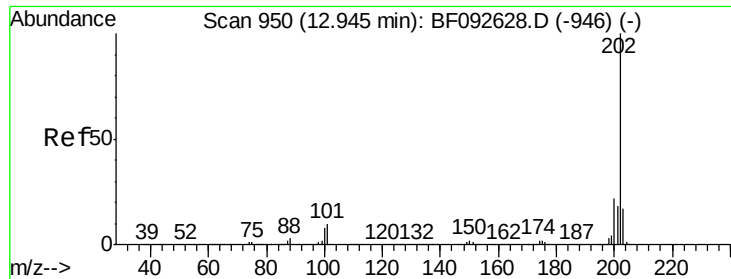
Delta R.T. -0.03 min

Lab File: BF092963.D

Acq: 15 Feb 2017 20:53

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		445866		
120	17.0	12.9	19.3		
236	26.0	20.9	31.3		





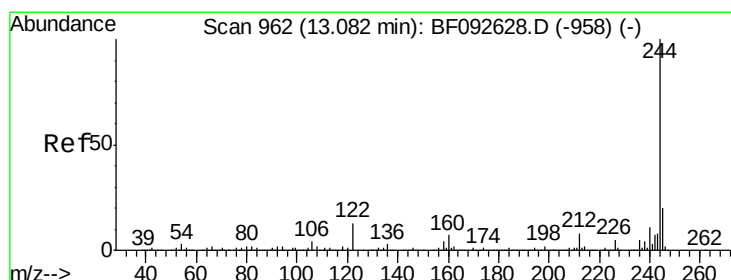
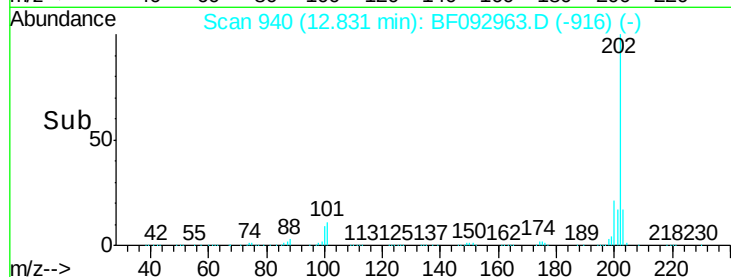
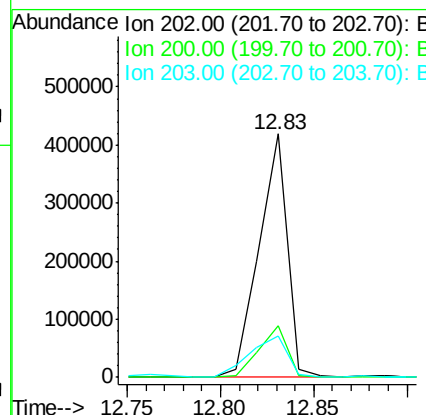
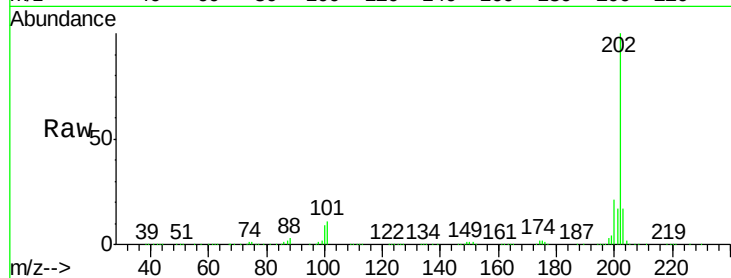
#77
 Pyrene
 Concen: 13.31 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF092963.D
 Acq: 15 Feb 2017 20:53

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-3-COMP

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	17.1	14.7	22.1

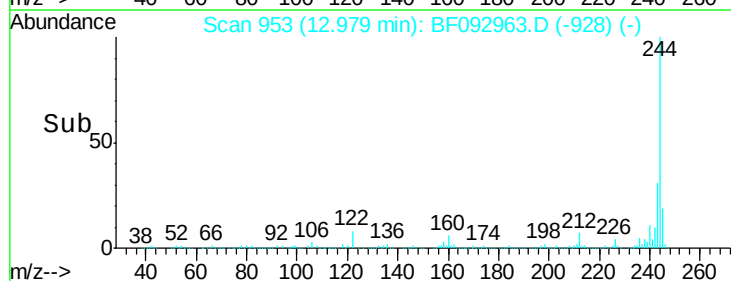
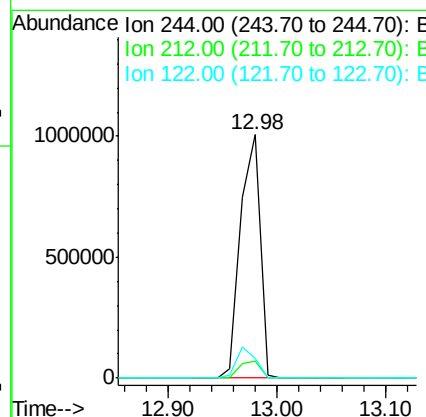
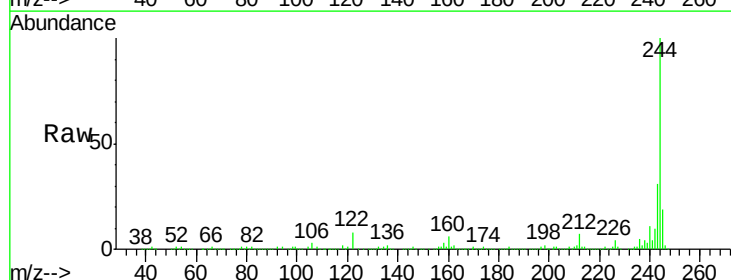
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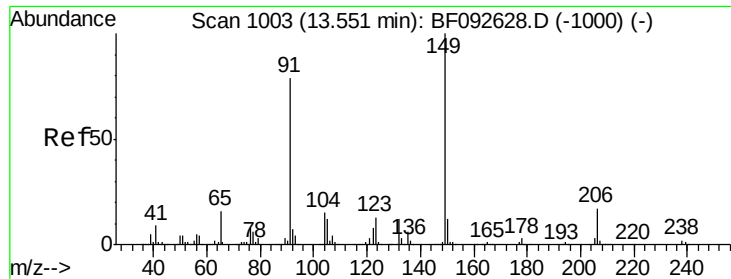
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#78
 Terphenyl-d14
 Concen: 65.45 ng
 RT: 12.98 min Scan# 953
 Delta R.T. -0.01 min
 Lab File: BF092963.D
 Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.2	9.2
122	8.0	11.4	17.2





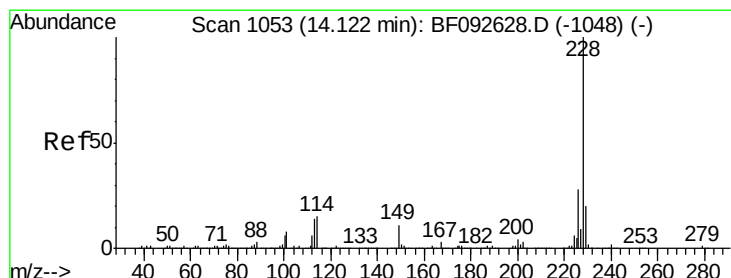
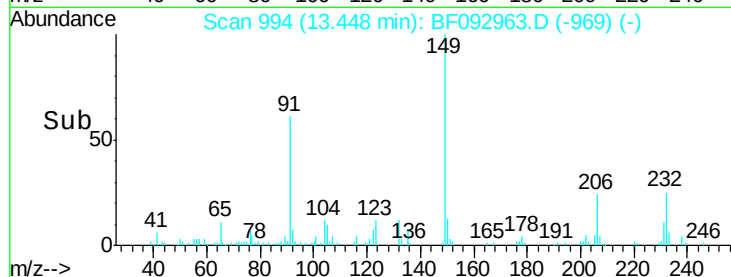
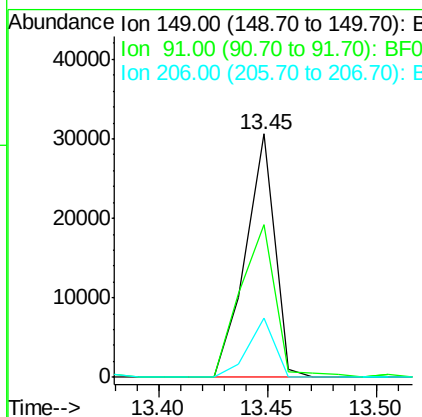
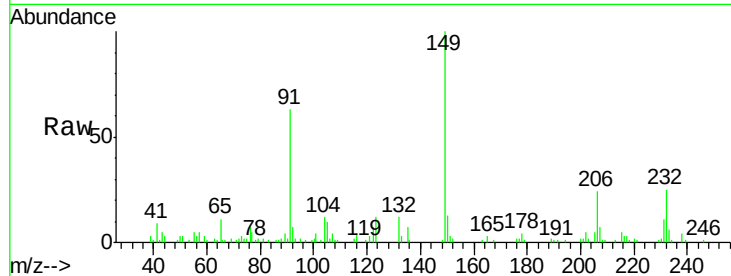
#79
Butylbenzylphthalate
Concen: 2.10 ng
RT: 13.45 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-3-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	62.5	63.9	95.9#
206	24.4	14.6	21.8#

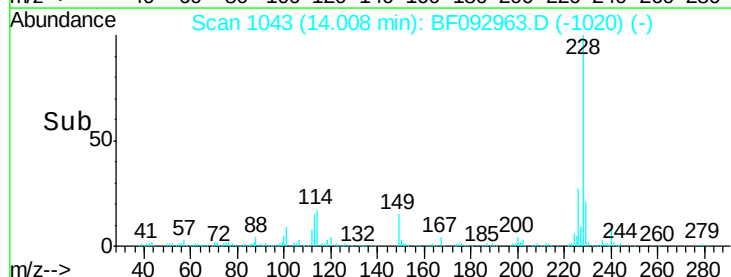
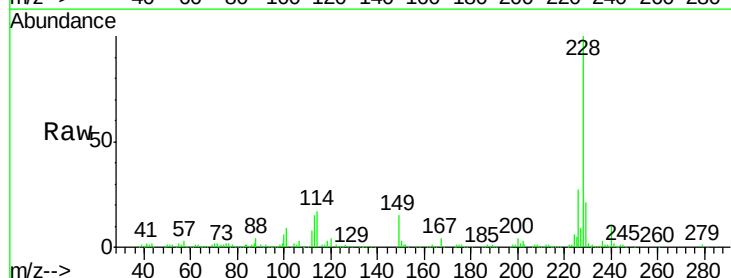
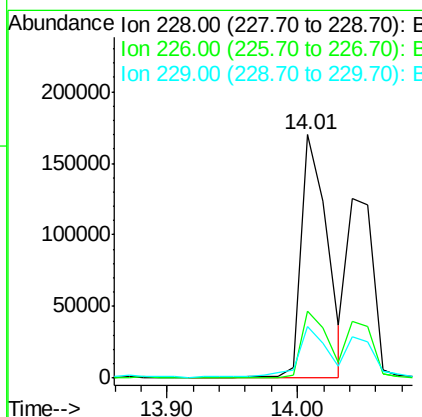
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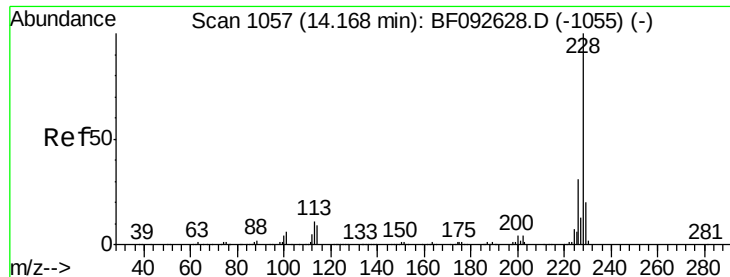
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#80
Benzo(a)anthracene
Concen: 8.63 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.4	22.4	33.6
229	21.1	16.2	24.4





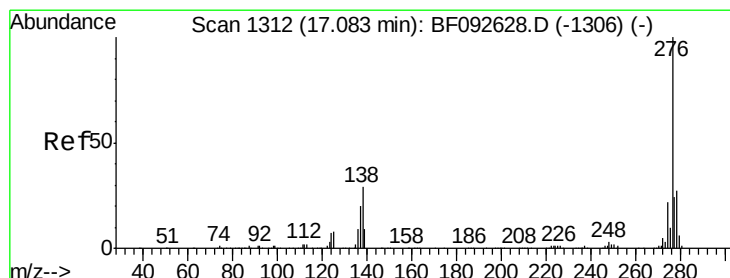
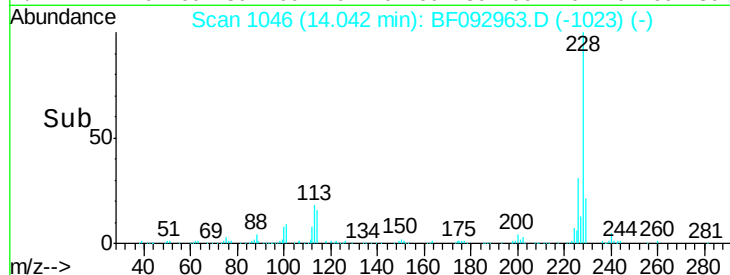
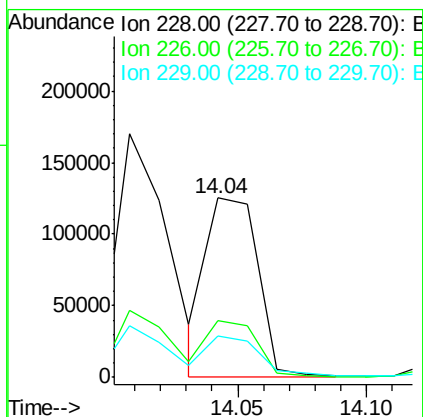
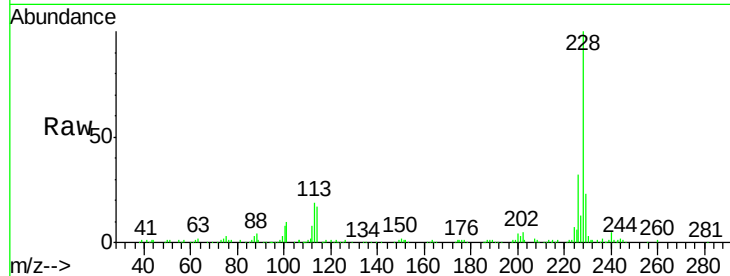
#82
Chrysene
Concen: 6.86 ng m
RT: 14.04 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-3-COMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.4	38.0
229	22.9	16.2	24.2

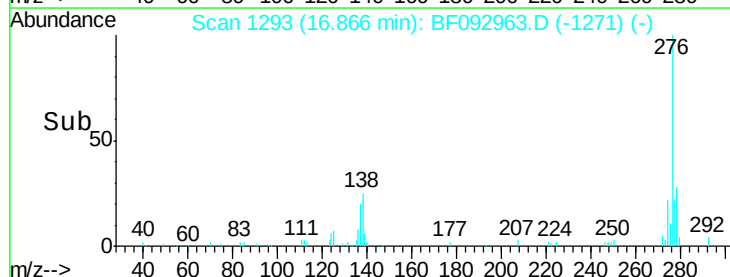
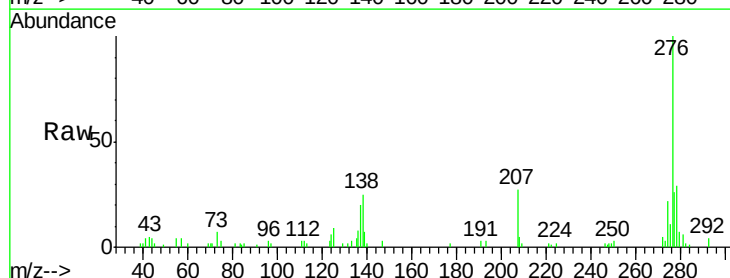
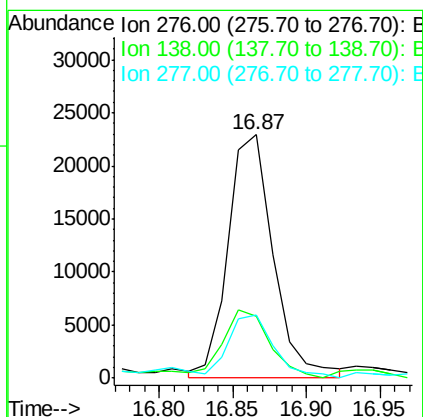
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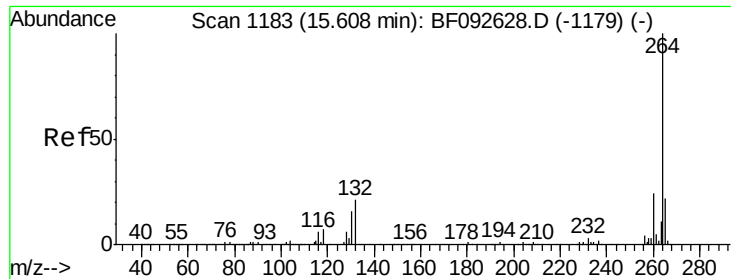
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.47 ng m
RT: 16.87 min Scan# 1293
Delta R.T. -0.05 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.7	21.8	32.6#
277	6.5	20.2	30.4#





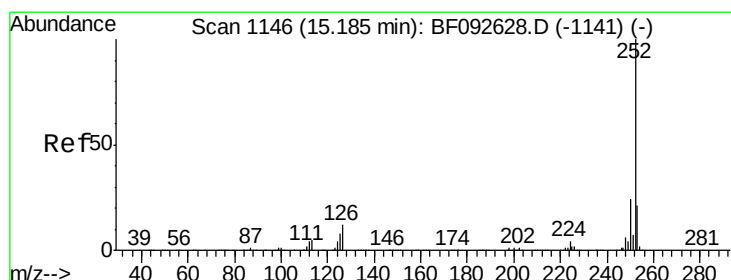
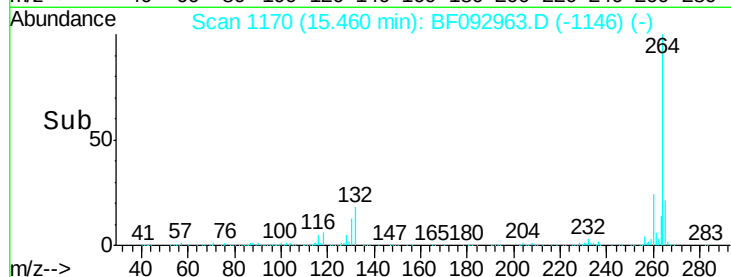
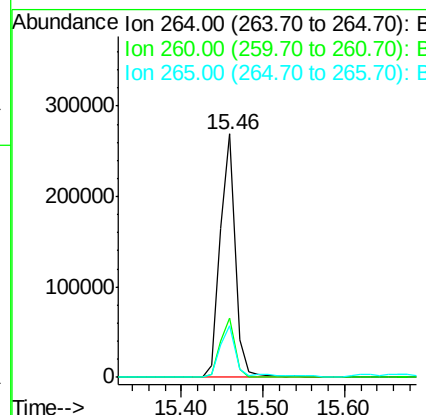
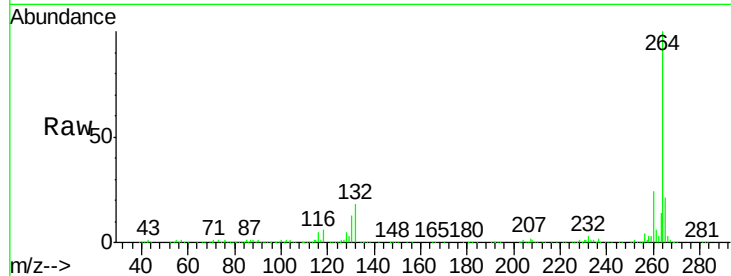
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-3-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	347380		
260	24.2	19.2	28.8	
265	21.3	17.4	26.0	

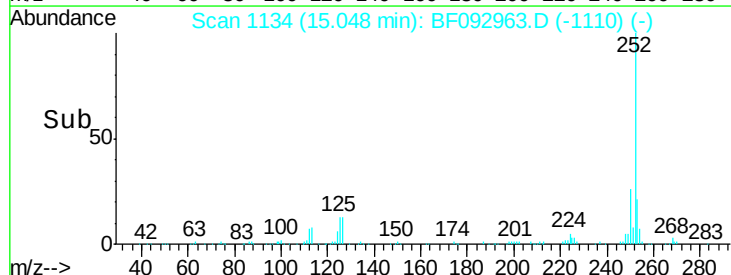
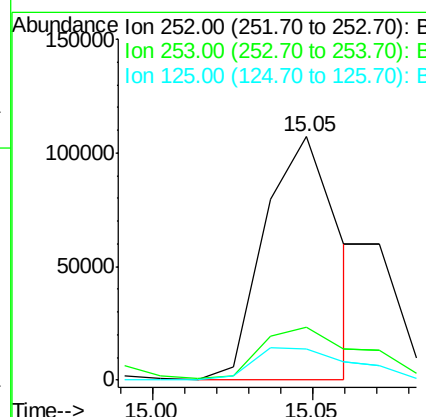
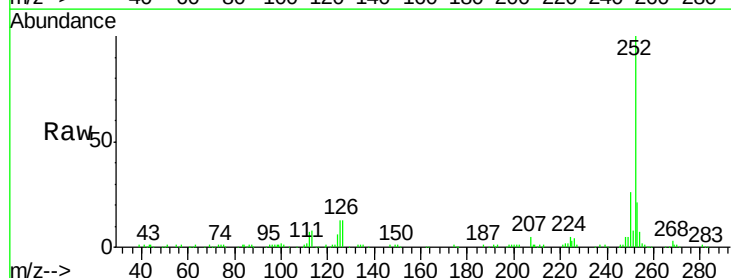
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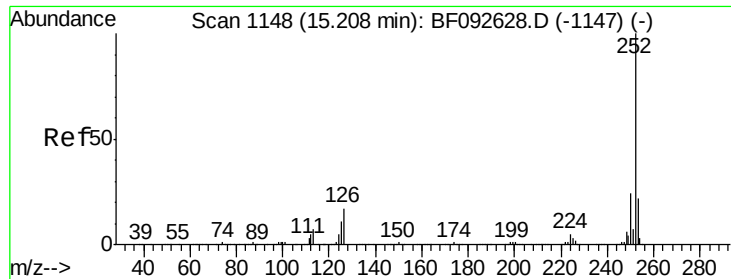
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#87
Benzo(b)fluoranthene
Concen: 7.56 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	172852		
253	21.5	18.2	27.4	
125	12.7	9.8	14.6	





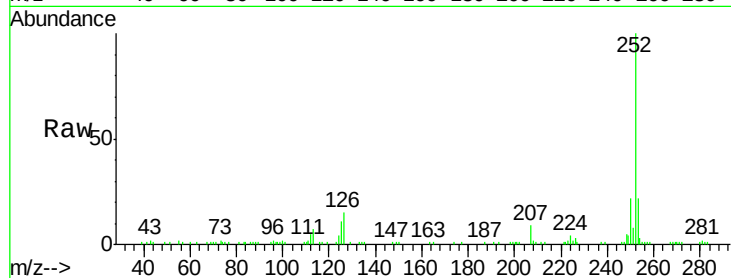
#88
Benzo(k)fluoranthene
Concen: 2.61 ng m
RT: 15.07 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-3-COMP

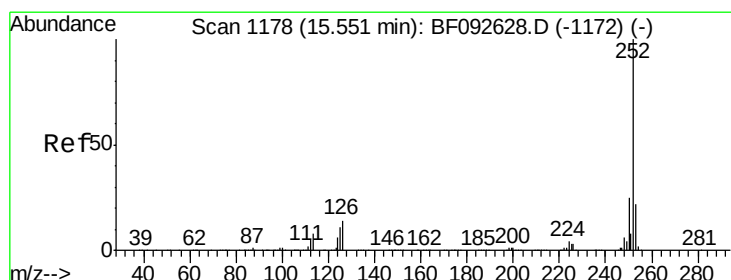
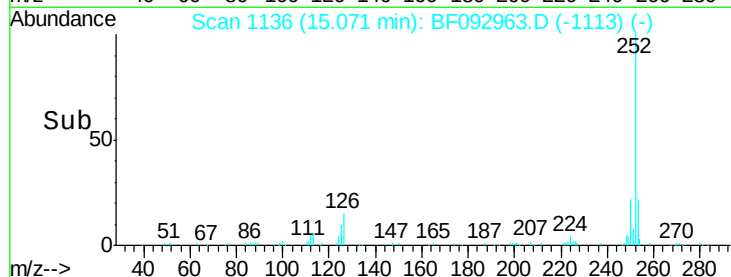
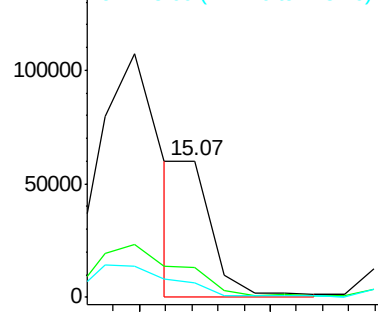
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.5	27.7
125	10.9	8.9	13.3

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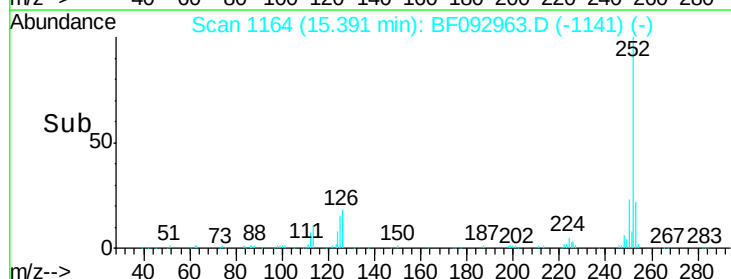
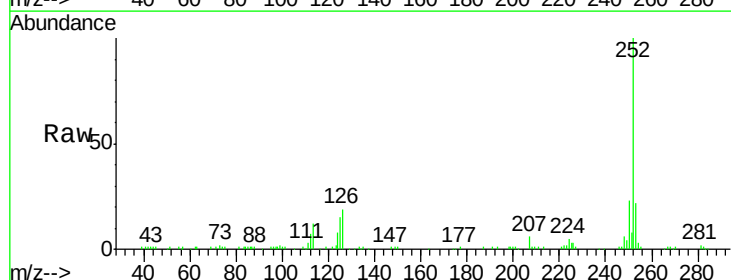
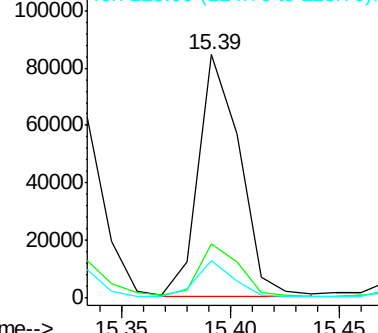
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

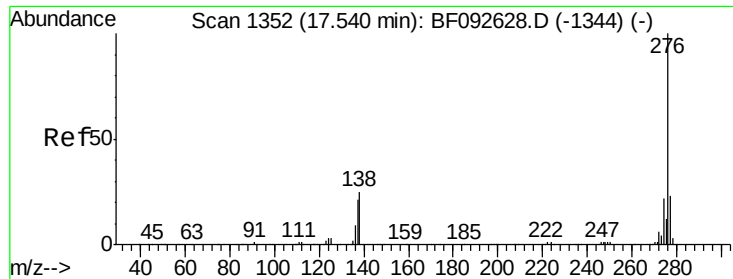


#89
Benzo(a)pyrene
Concen: 5.63 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.03 min
Lab File: BF092963.D
Acq: 15 Feb 2017 20:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	15.3	10.0	15.0#

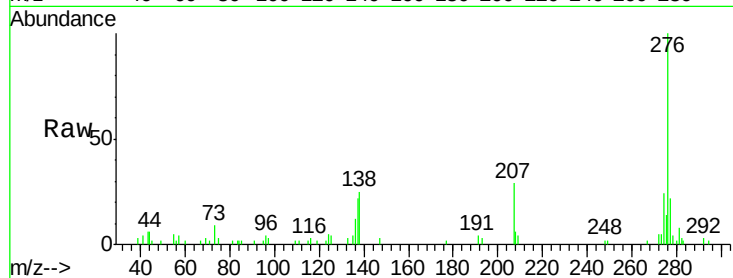
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 2.56 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.06 min
 Lab File: BF092963.D
 Acq: 15 Feb 2017 20:53

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-3-COMP



Tgt Ion:	276	Resp:	41419
Ion Ratio		Lower	Upper
276	100		
277	22.3	19.2	28.8
138	24.7	16.0	24.0#

Manual Integrations
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