

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
 Data File : BF092387.D
 Acq On : 20 Jan 2017 22:05
 Operator : UM/SJ
 Sample : I1329-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL2-0-5FT-COMP

Manual Integrations
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Quant Time: Jan 21 00:10:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 22:22:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	119811	20.00	ng	0.00
21) Naphthalene-d8	7.81	136	710889	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	311776	20.00	ng	0.00
63) Phenanthrene-d10	11.03	188	434238	20.00	ng	0.00
75) Chrysene-d12	13.66	240	337276	20.00	ng	0.00
86) Perylene-d12	15.01	264	253121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	857480	119.50	ng	0.01
7) Phenol-d6	6.19	99	845198	96.48	ng	0.00
23) Nitrobenzene-d5	7.10	82	737194	57.66	ng	0.00
41) 2,4,6-Tribromophenol	10.35	330	174709	67.71	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	1008948	62.96	ng	0.00
78) Terphenyl-d14	12.62	244	647170	46.54	ng	0.00
Target Compounds						
10) Phenol	6.21	94	37317	3.74	ng	79
31) Naphthalene	7.83	128	262222	8.06	ng	97
49) Dimethylphthalate	9.30	163	274891	13.79	ng	100
51) Acenaphthene	9.59	154	52014	2.95	ng	99
54) Dibenzofuran	9.76	168	75022	3.15	ng	92
57) Fluorene	10.11	166	66835	3.86	ng	98
70) Phenanthrene	11.06	178	468088	19.88	ng	97
71) Anthracene	11.11	178	105417	3.36	ng	95
74) Fluoranthene	12.24	202	559265	25.41	ng	95
77) Pyrene	12.46	202	475195	19.20	ng	96
80) Benzo(a)anthracene	13.65	228	191243	10.05	ng	99
82) Chrysene	13.69	228	148471	7.77	ng	97
85) Indeno(1,2,3-cd)pyrene	16.23	276	65713	3.97	ng	94
87) Benzo(b)fluoranthene	14.66	252	143062m	9.08	ng	
88) Benzo(k)fluoranthene	14.67	252	67127m	5.00	ng	
89) Benzo(a)pyrene	14.97	252	115987	8.29	ng	100
91) Benzo(a,h,i)perylene	16.60	276	61880	5.18	ng	95

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

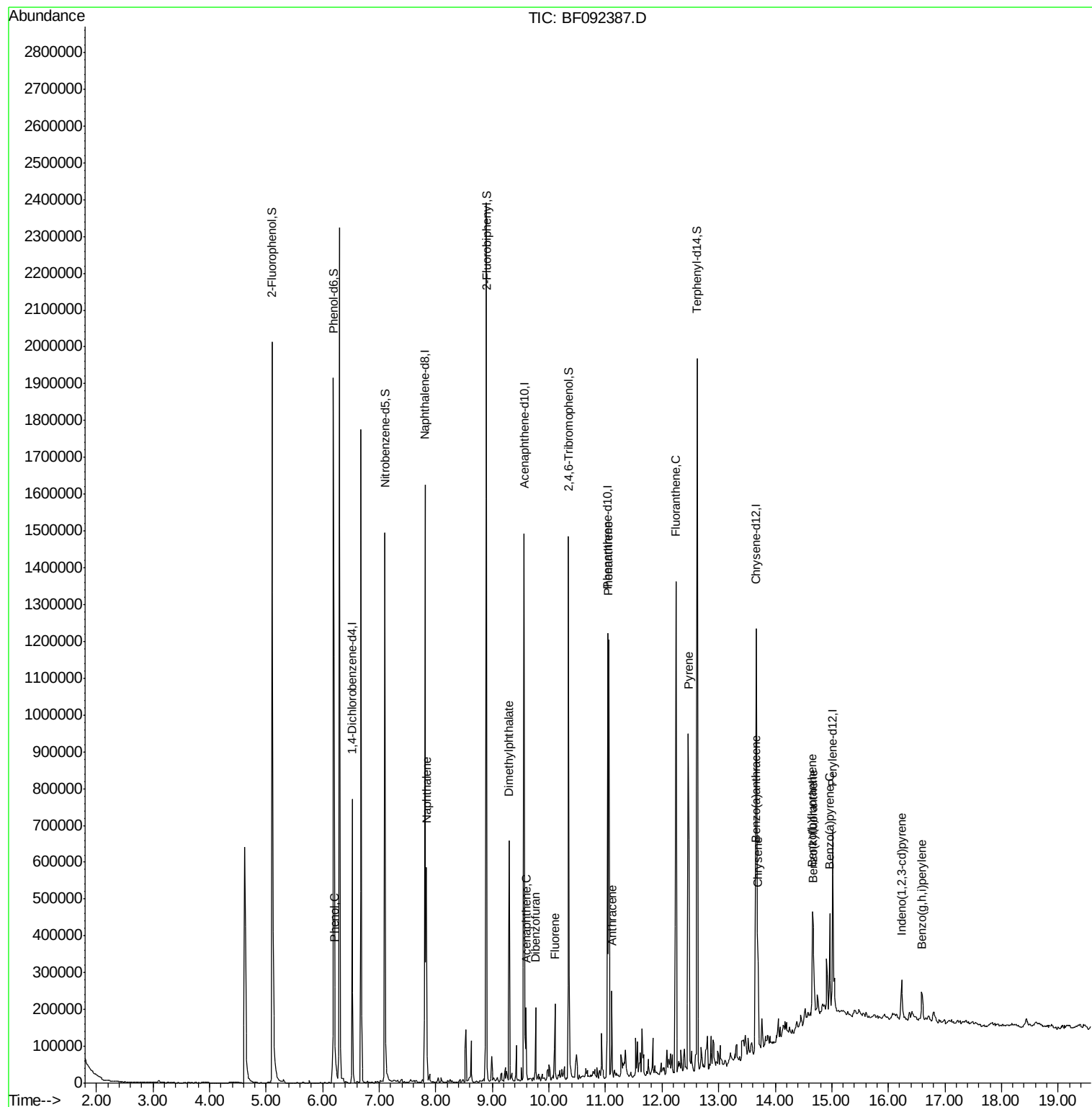
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
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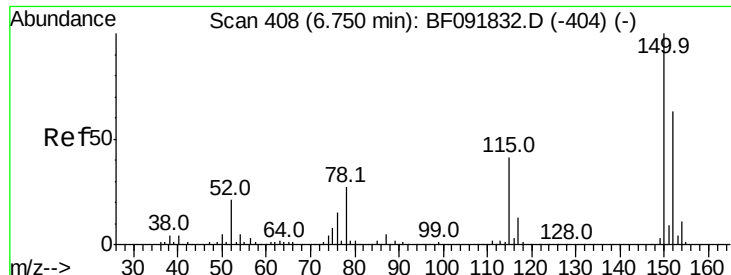
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Instrument :

BNA_F

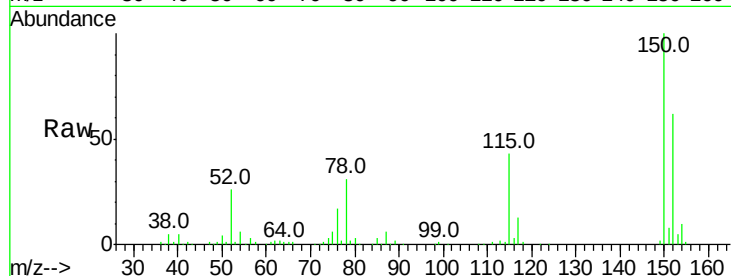
ClientSampleId :

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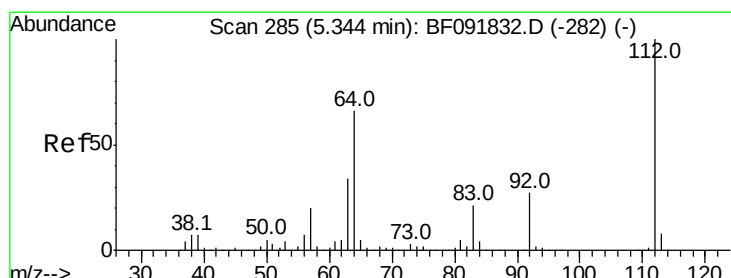
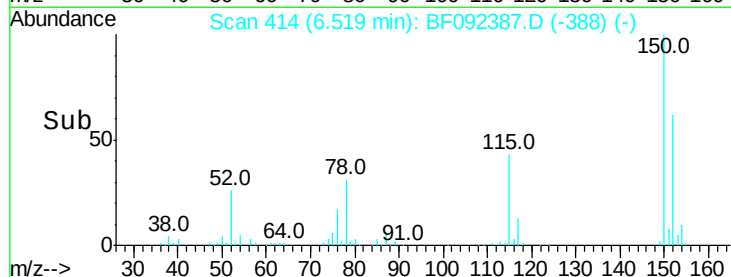
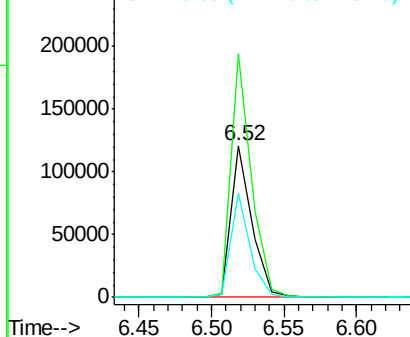
Tot Ion:	152	Resp:	119811
Ion Ratio	Lower	Upper	
152	100		
150	160.6	124.9	187.3
115	68.5	46.0	69.0

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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: 119.50 ng

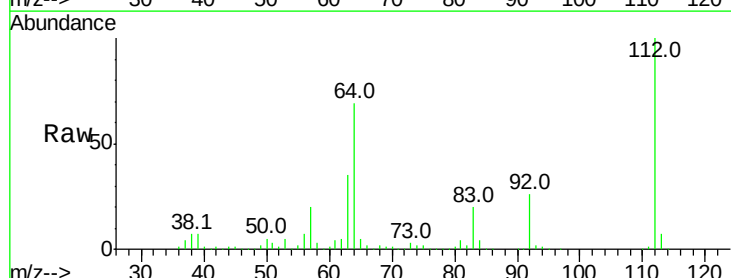
RT: 5.10 min Scan# 290

Delta R.T. 0.01 min

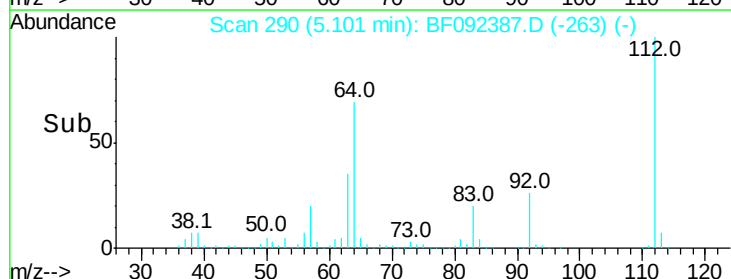
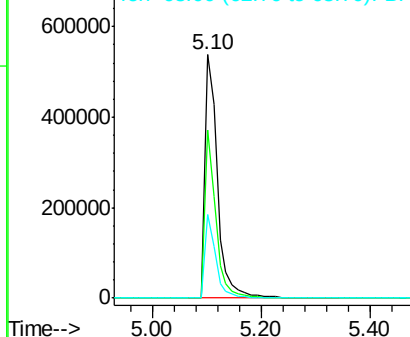
Lab File: BF092387.D

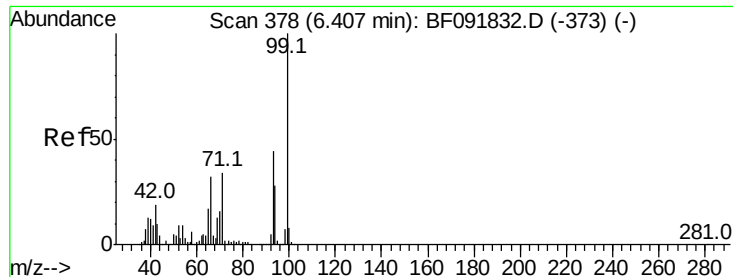
Acq: 20 Jan 2017 22:05

Tgt Ion:	112	Resp:	857480
Ion Ratio	Lower	Upper	
112	100		
64	68.9	46.1	69.1
63	34.6	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.48 ng

RT: 6.19 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Instrument :

BNA_F

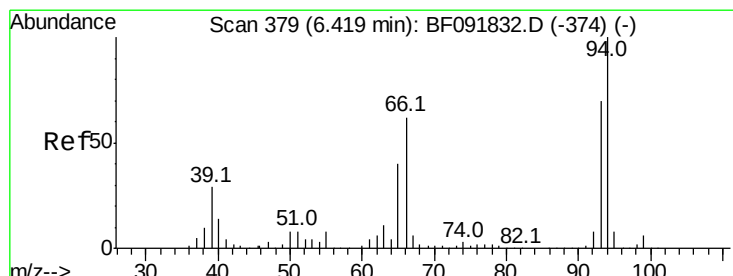
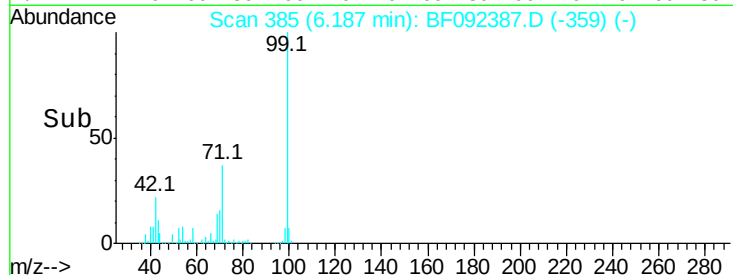
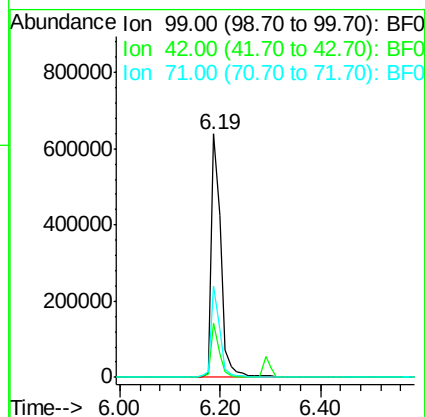
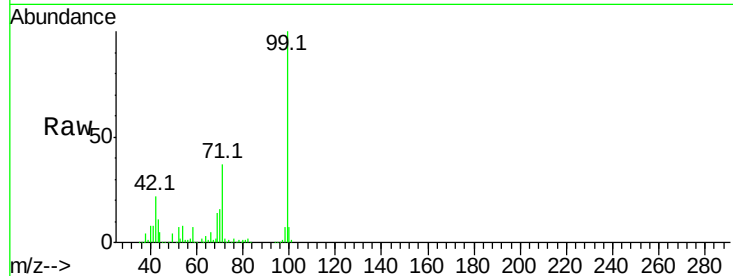
ClientSampleId :

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Tot Ion:	99	Resp:	845198
Ion	Ratio	Lower	Upper
99	100		
42	22.2	15.6	23.4
71	37.5	27.5	41.3

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#10

Phenol

Concen: 3.74 ng

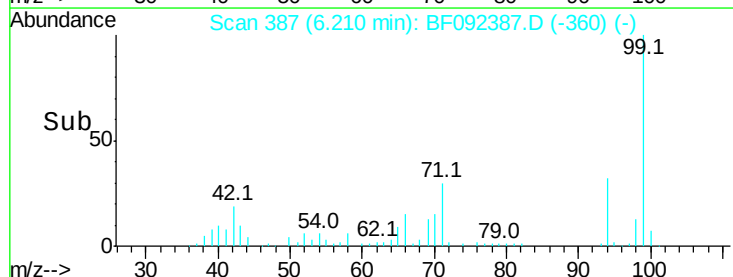
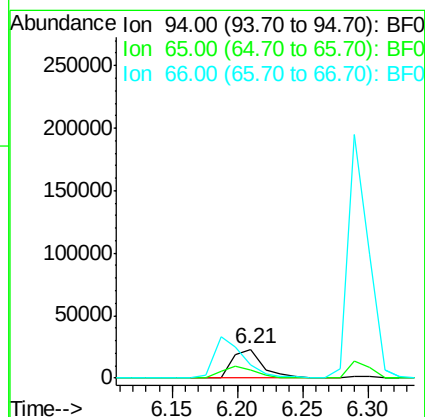
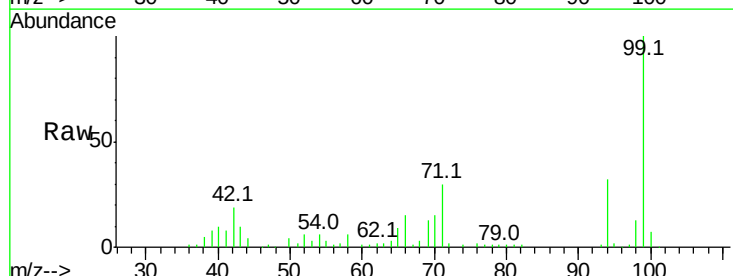
RT: 6.21 min Scan# 387

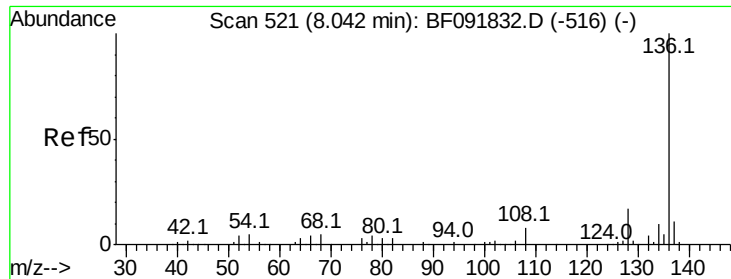
Delta R.T. 0.01 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Tgt Ion:	94	Resp:	37317
Ion	Ratio	Lower	Upper
94	100		
65	28.7	21.4	61.4
66	47.1	44.0	84.0





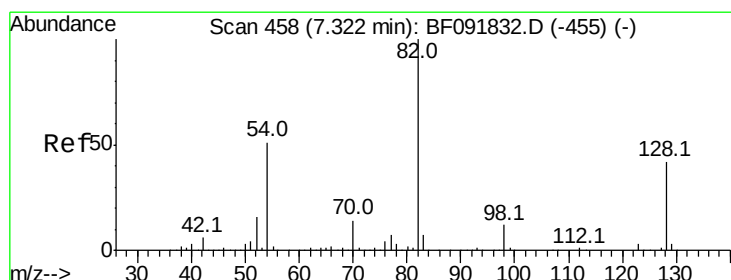
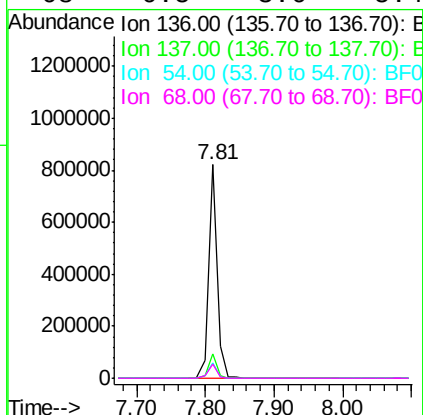
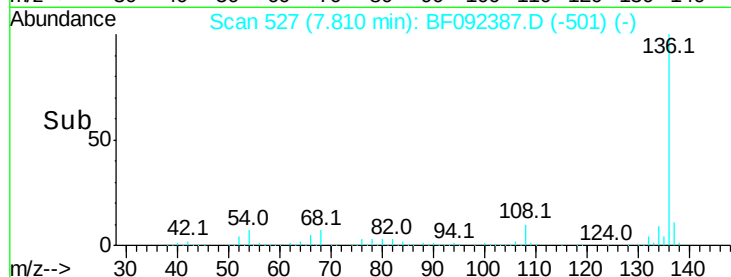
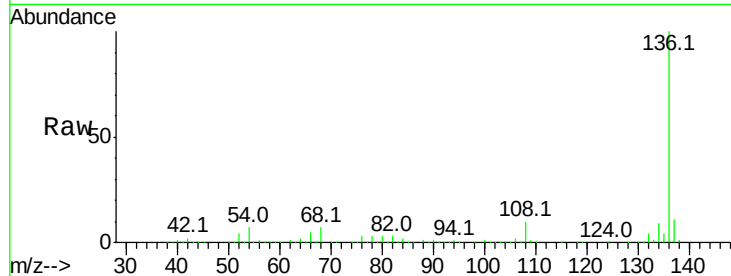
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.4	12.6	
54	7.4	4.5	6.7#	
68	6.5	3.6	5.4#	

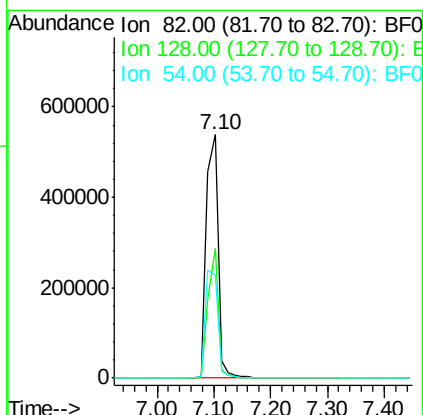
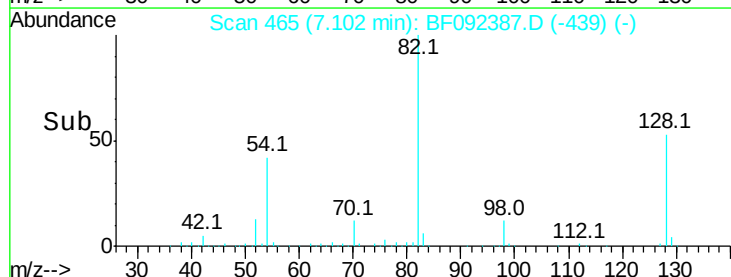
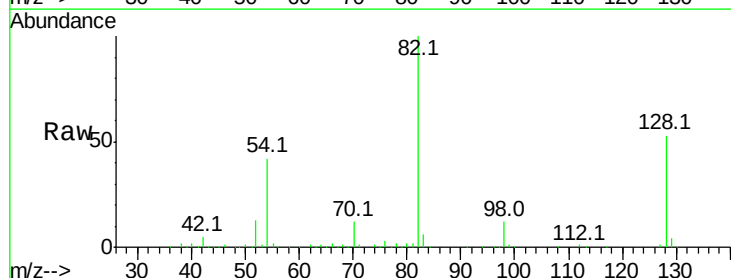
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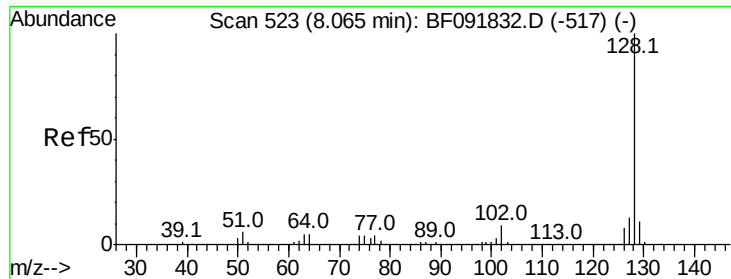
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#23
Nitrobenzene-d5
Concen: 57.66 ng
RT: 7.10 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	53.2	34.6	52.0#	
54	42.0	39.5	59.3	





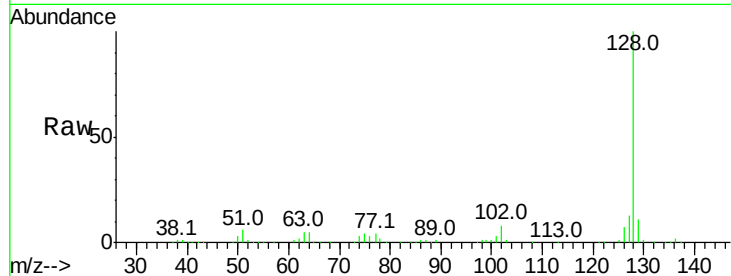
#31
Naphthalene
Concen: 8.06 ng
RT: 7.83 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

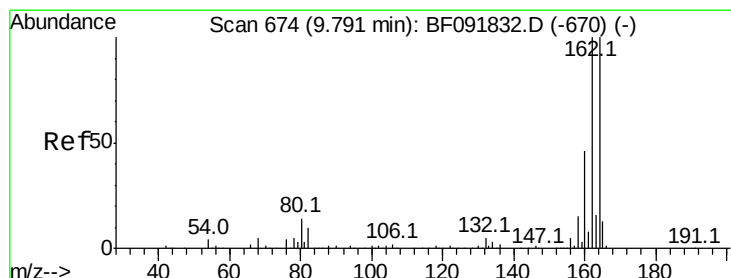
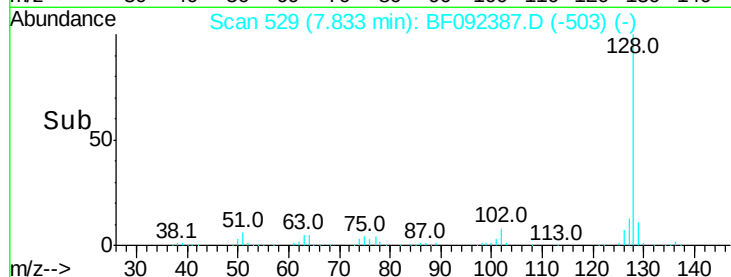
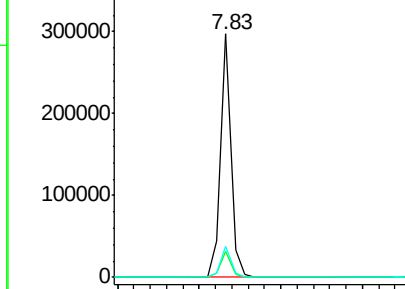
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.5	14.3
127	12.7	10.8	16.2

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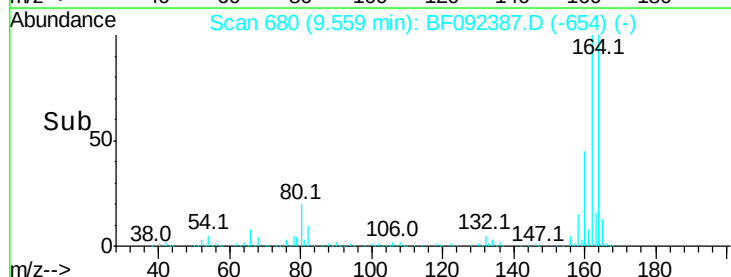
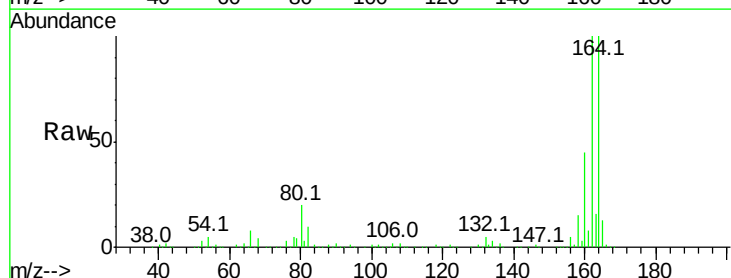
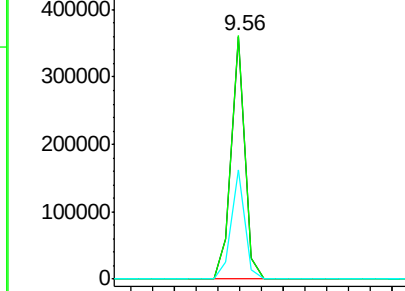
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

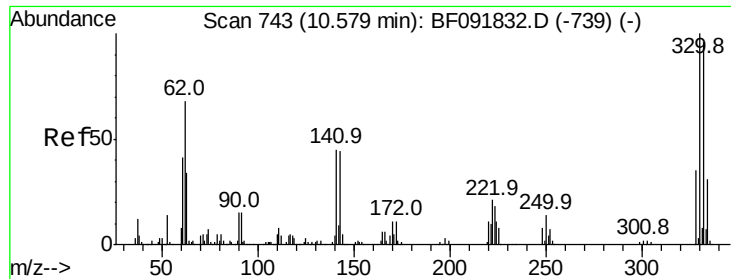


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.2
160	45.2	36.9	55.3

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





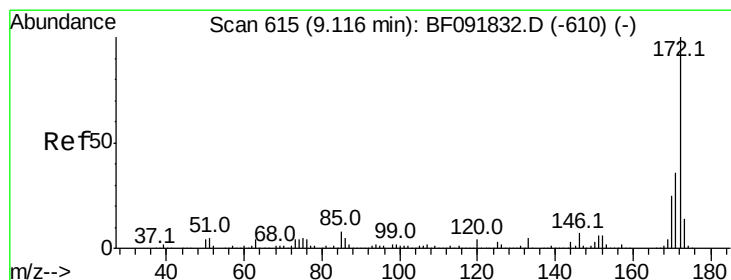
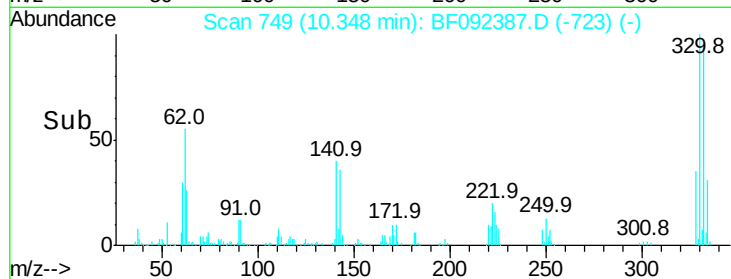
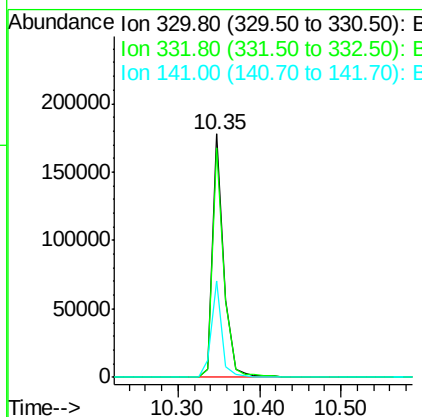
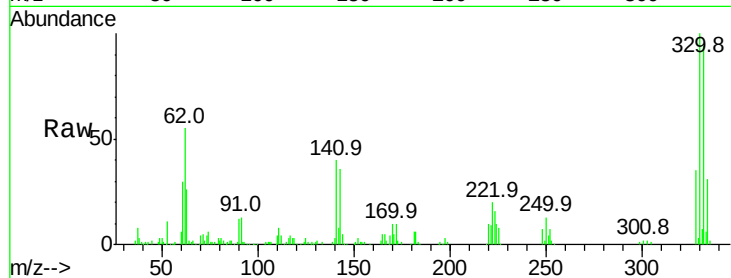
#41
 2,4,6-Tribromophenol
 Concen: 67.71 ng
 RT: 10.35 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: BF092387.D
 Acq: 20 Jan 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.4	116.2
141	37.5	34.1	51.1

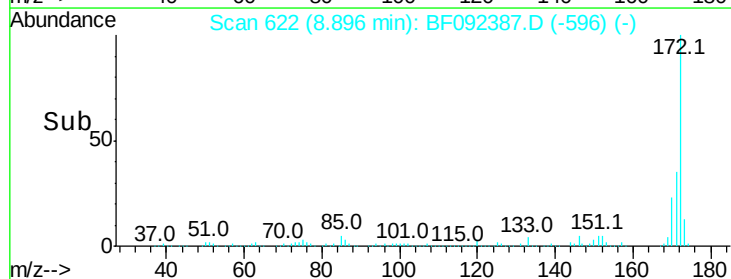
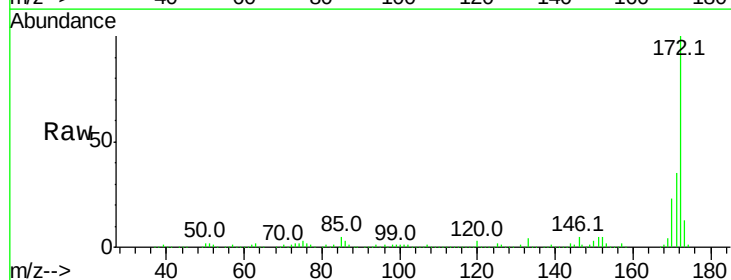
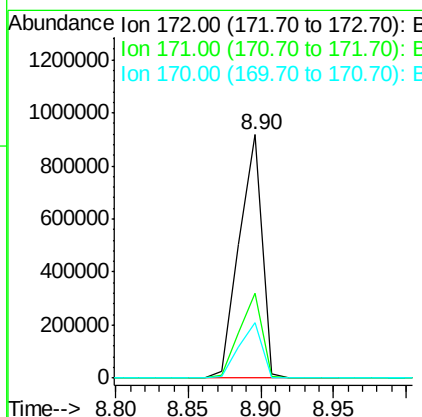
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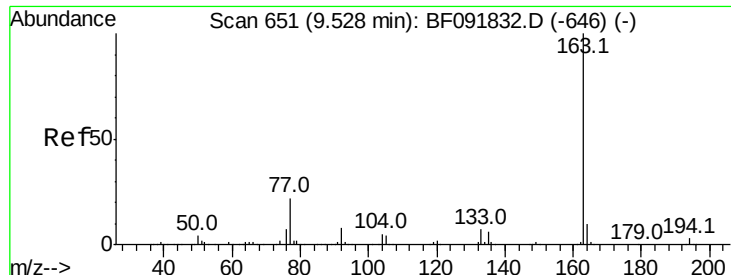
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#44
 2-Fluorobiphenyl
 Concen: 62.96 ng
 RT: 8.90 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF092387.D
 Acq: 20 Jan 2017 22:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.4	44.0
170	22.9	20.2	30.4





#49

Dimethylphthalate

Concen: 13.79 ng

RT: 9.30 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Instrument :

BNA_F

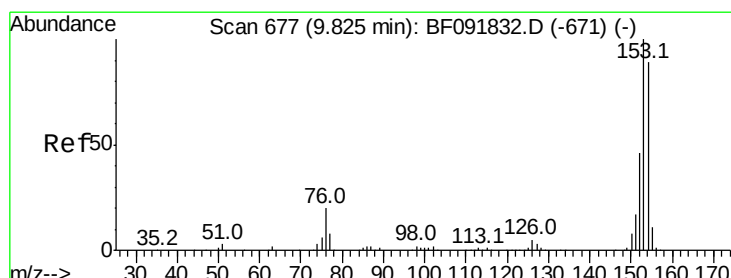
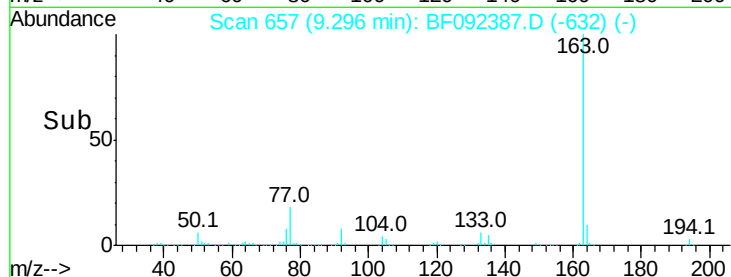
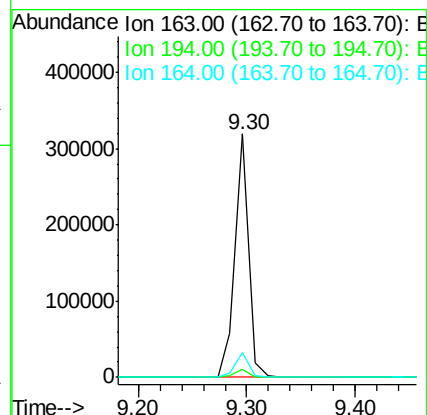
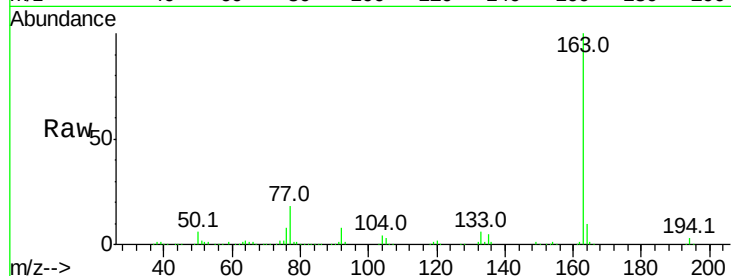
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion:	163	Resp:	274891
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.0	4.4
164	10.1	8.0	12.0

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#51

Acenaphthene

Concen: 2.95 ng

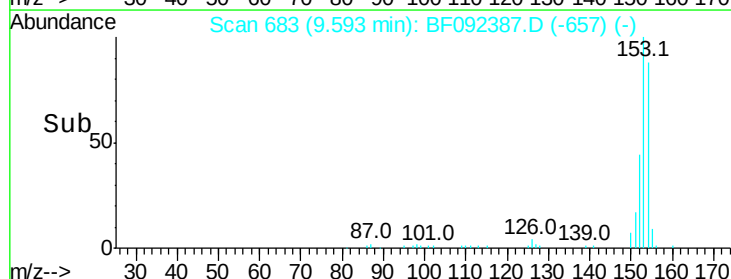
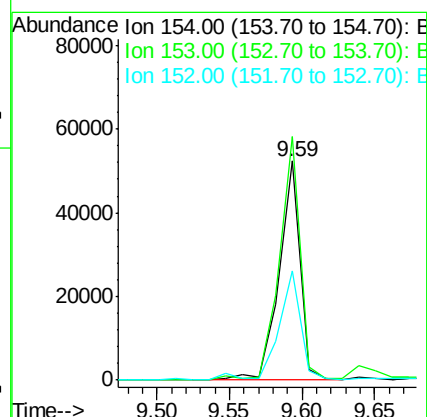
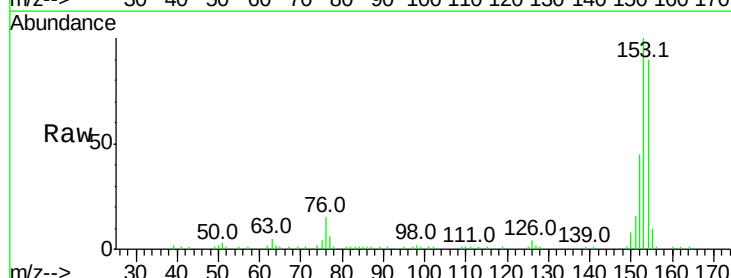
RT: 9.59 min Scan# 683

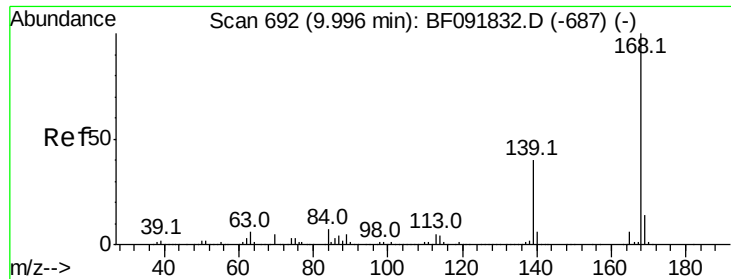
Delta R.T. -0.00 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Tgt Ion:	154	Resp:	52014
Ion Ratio	Lower	Upper	
154	100		
153	111.2	88.6	133.0
152	49.7	41.6	62.4





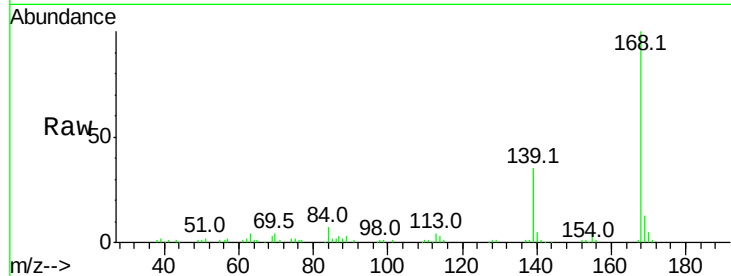
#54
Dibenzofuran
Concen: 3.15 ng
RT: 9.76 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.6	32.6	49.0
169	13.2	11.3	16.9

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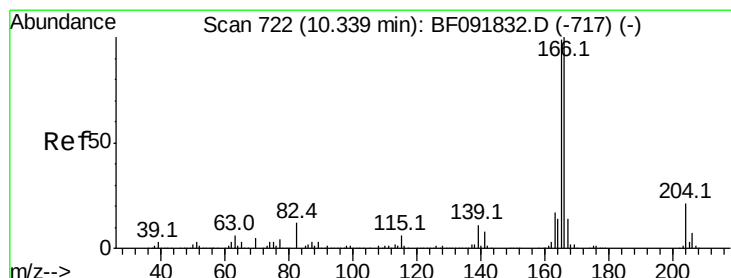
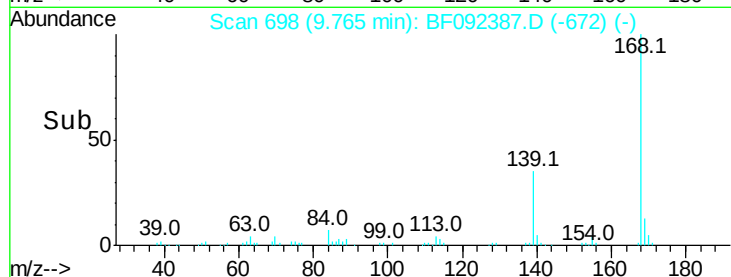
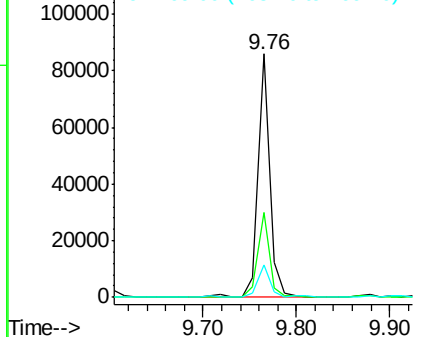


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 3.86 ng
RT: 10.11 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

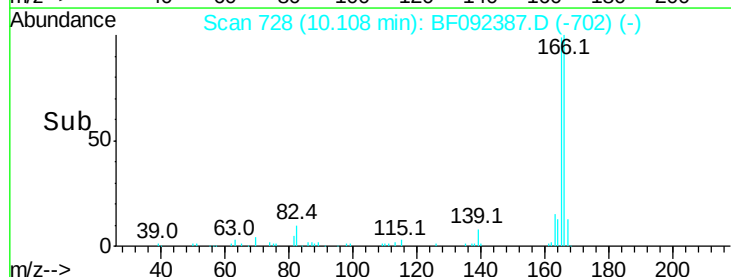
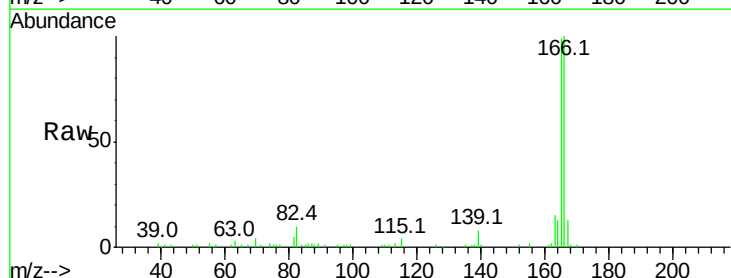
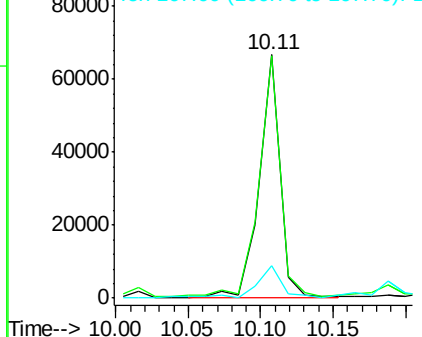
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.8	116.8
167	13.4	10.8	16.2

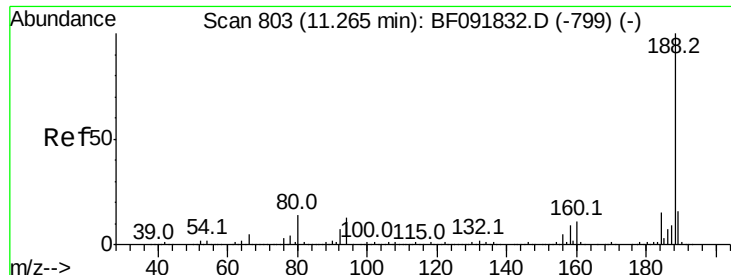
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





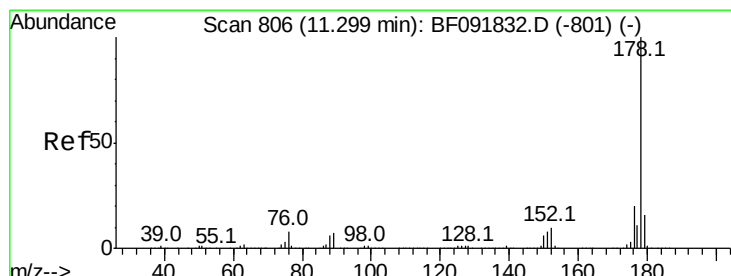
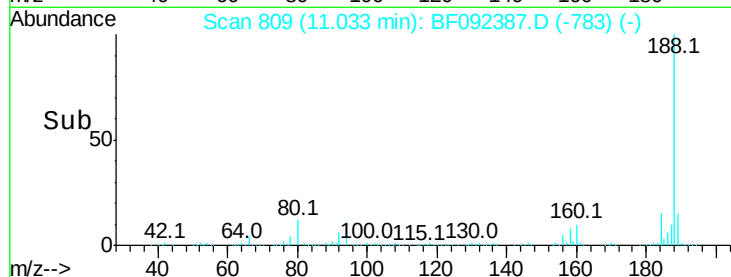
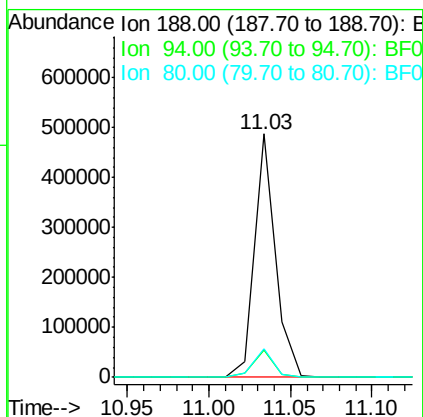
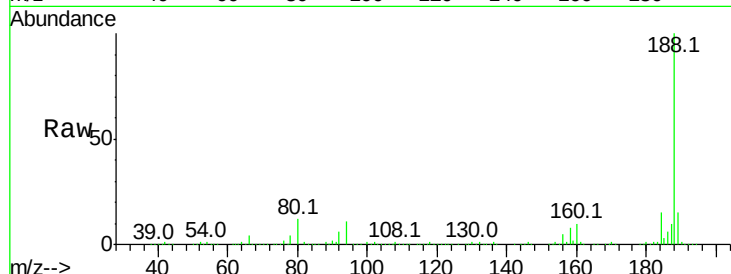
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	434238		
94	11.0		10.0	15.0
80	11.7		11.2	16.8

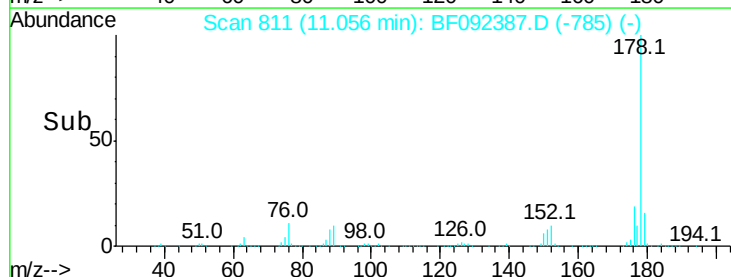
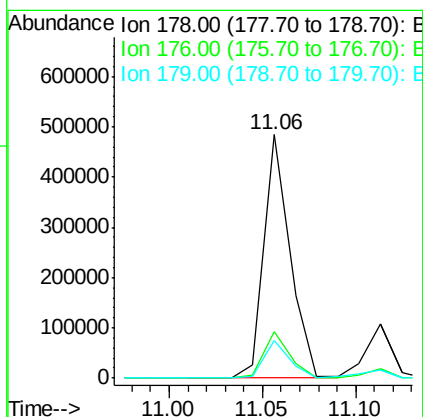
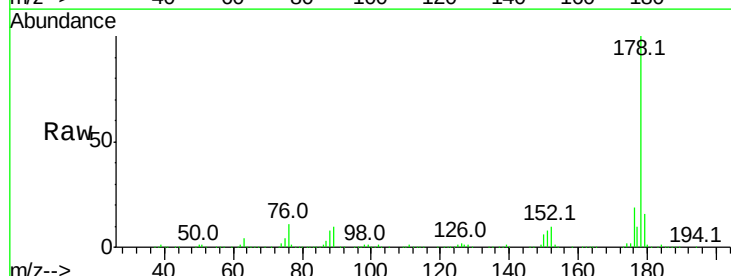
Manual Integrations
APPROVED

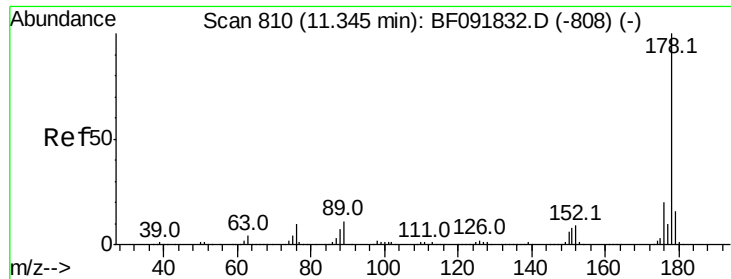
mohammad
1/23/2017 2:45:09 PM



#70
Phenanthrene
Concen: 19.88 ng
RT: 11.06 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	468088		
176	19.0		16.6	25.0
179	15.6		12.8	19.2





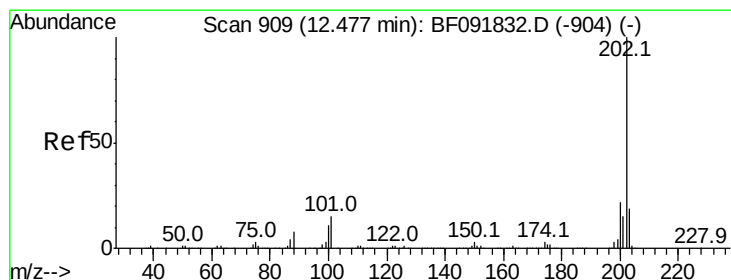
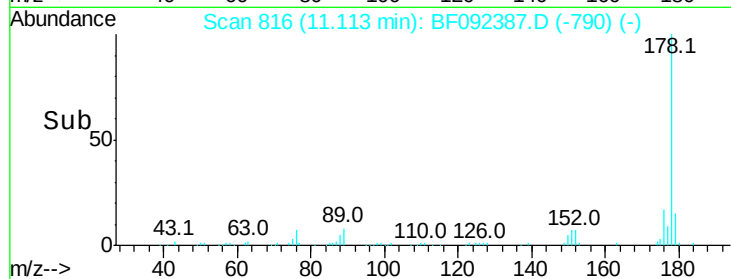
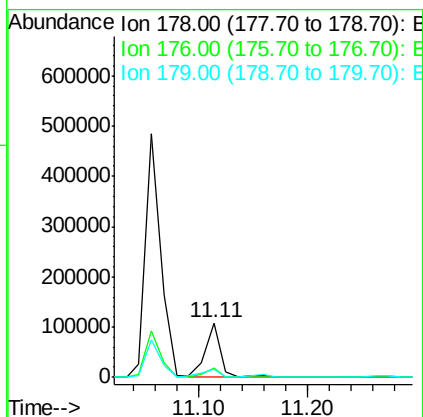
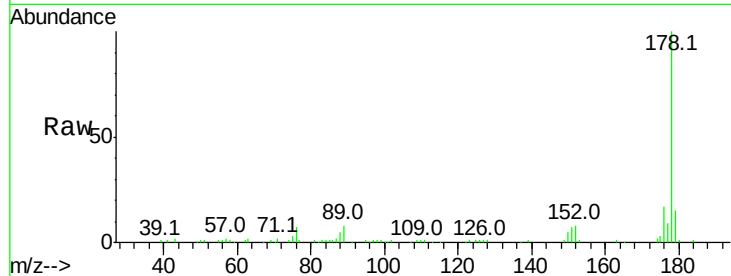
#71
 Anthracene
 Concen: 3.36 ng
 RT: 11.11 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF092387.D
 Acq: 20 Jan 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.9	23.9
179	14.8	13.2	19.8

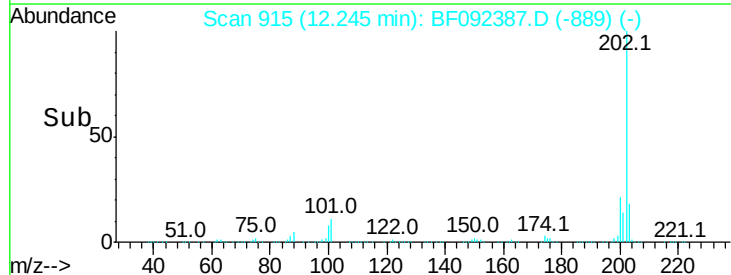
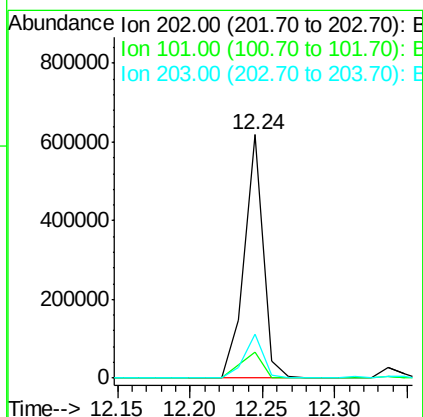
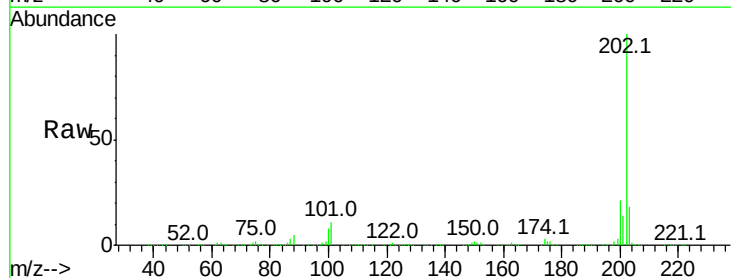
Manual Integrations
 APPROVED

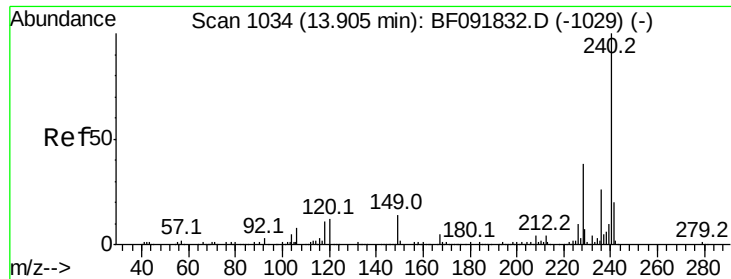
mohammad
 1/23/2017 2:45:09 PM



#74
 Fluoranthene
 Concen: 25.41 ng
 RT: 12.24 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: BF092387.D
 Acq: 20 Jan 2017 22:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.6
203	17.8	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.66 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Instrument :

BNA_F

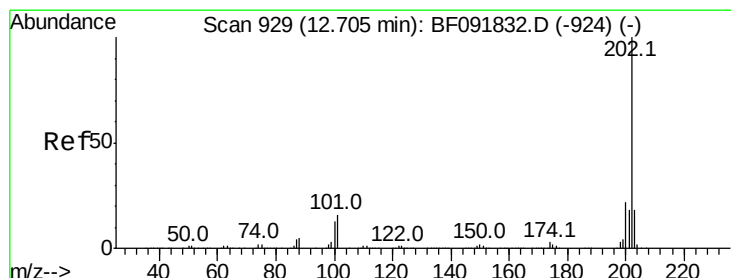
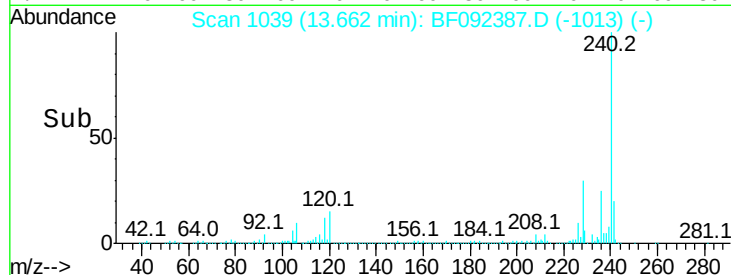
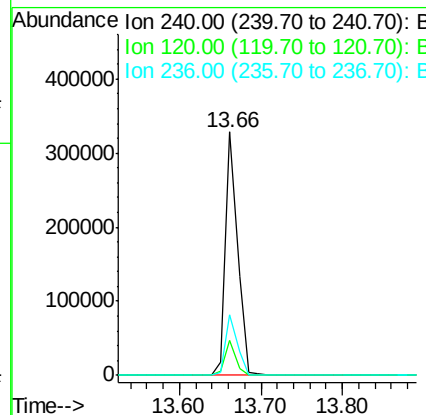
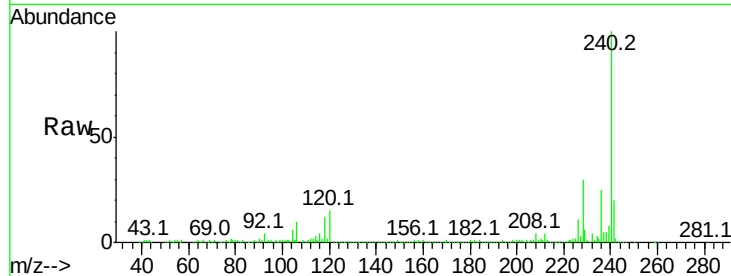
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion:	240	Resp:	337276
Ion Ratio	Lower	Upper	
240	100		
120	14.6	12.9	19.3
236	25.1	20.9	31.3

Manual Integrations
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#77

Pyrene

Concen: 19.20 ng

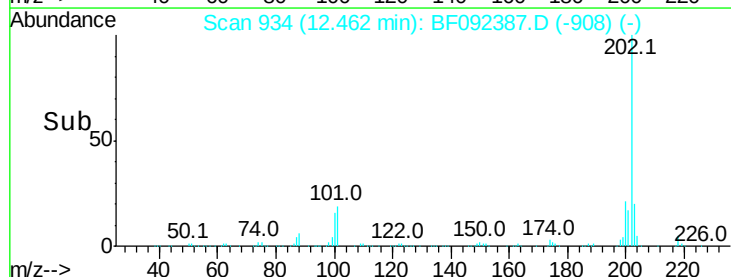
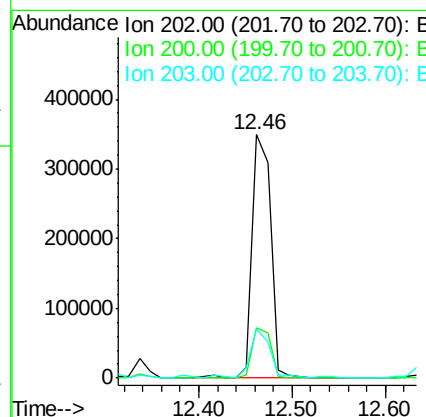
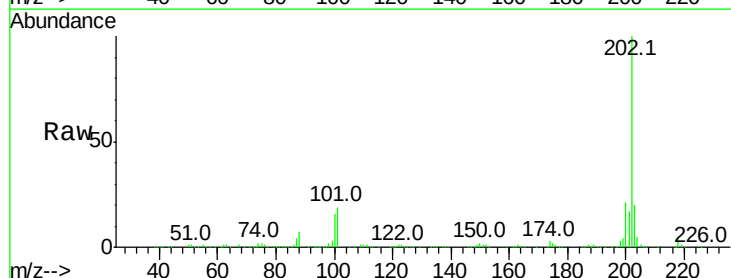
RT: 12.46 min Scan# 934

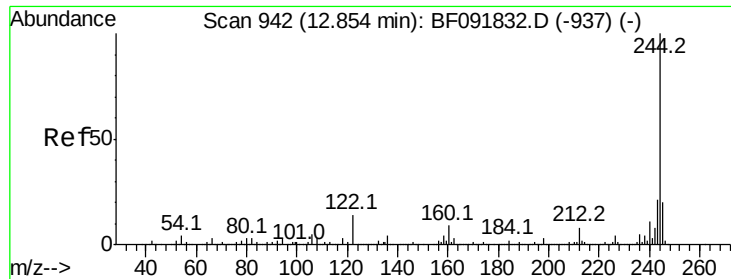
Delta R.T. -0.00 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Tgt Ion:	202	Resp:	475195
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.7	26.5
203	20.4	14.7	22.1





#78

Terphenyl-d14

Concen: 46.54 ng

RT: 12.62 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Instrument :

BNA_F

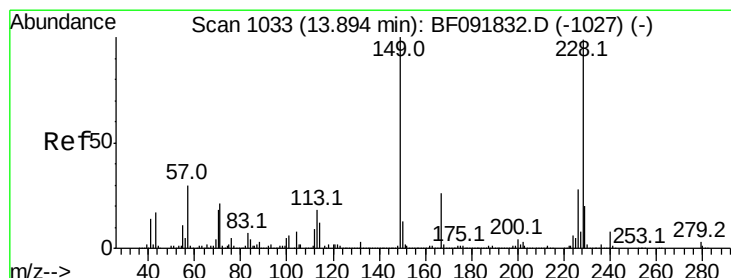
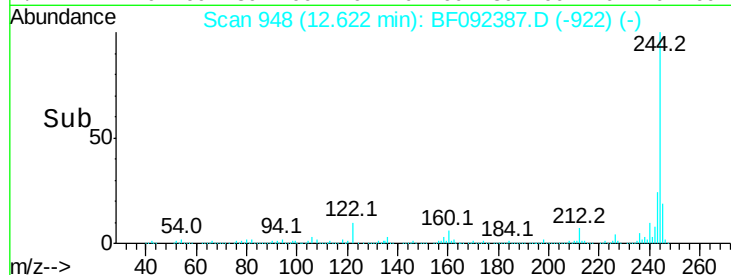
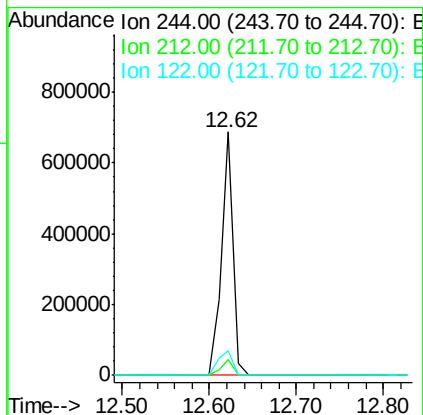
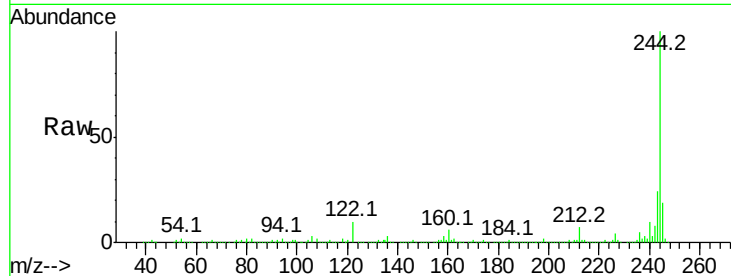
ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.2	9.2
122	10.1	11.4	17.2#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 10.05 ng

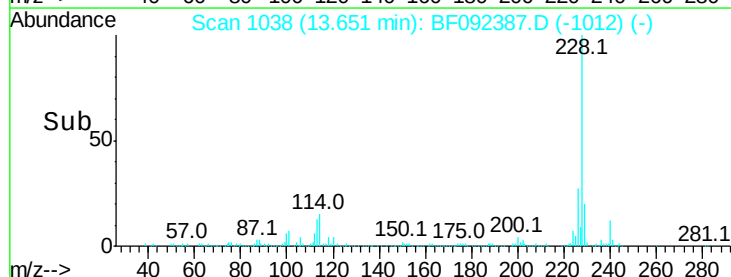
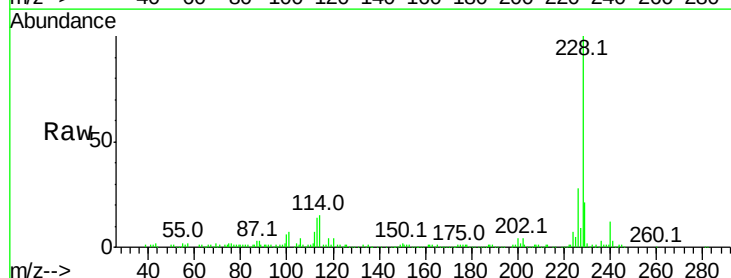
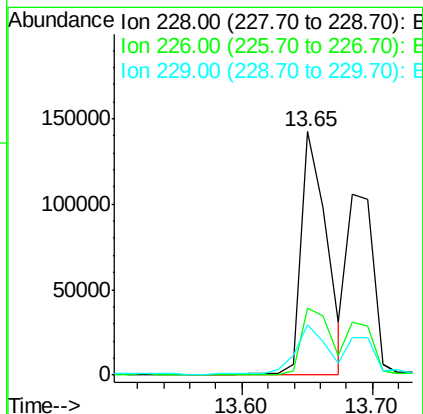
RT: 13.65 min Scan# 1038

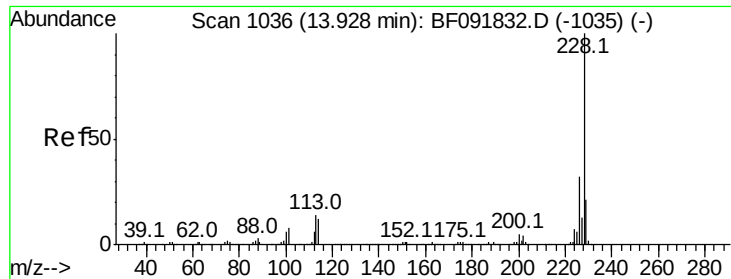
Delta R.T. -0.00 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.4	33.6
229	20.9	16.2	24.4





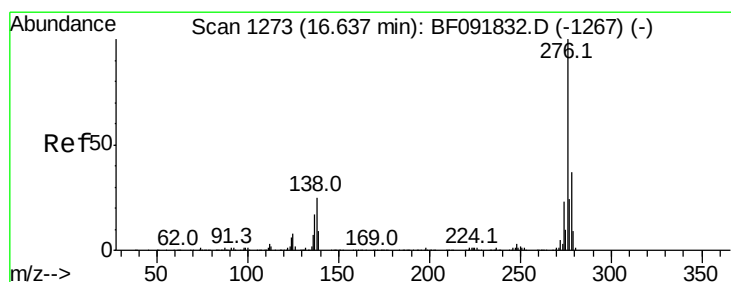
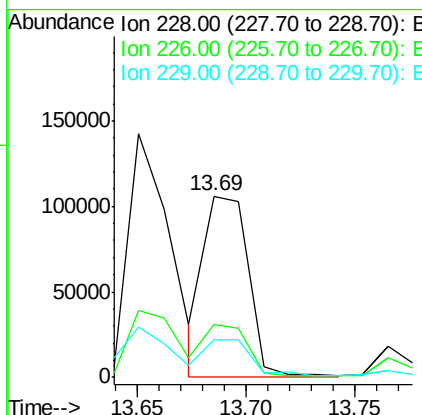
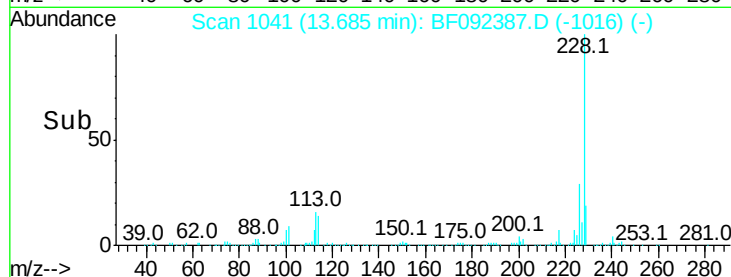
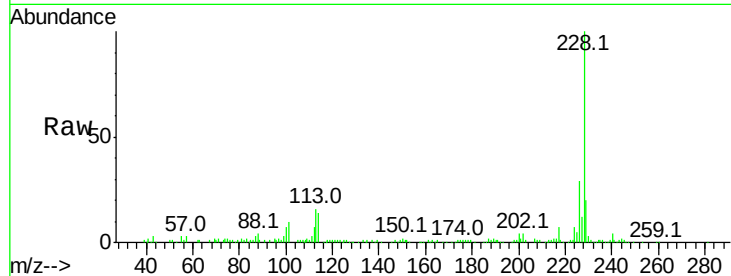
#82
Chrysene
Concen: 7.77 ng
RT: 13.69 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion:	228	Resp:	148471
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.4	38.0
229	20.4	16.2	24.2

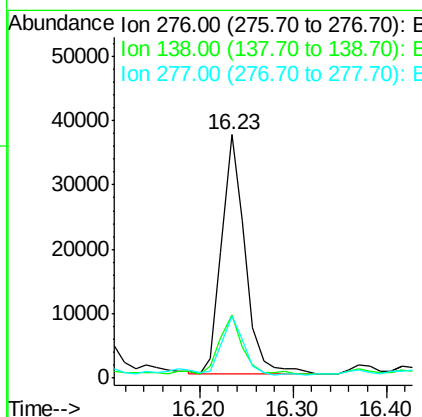
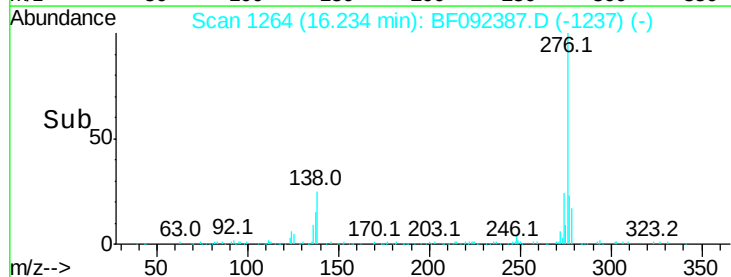
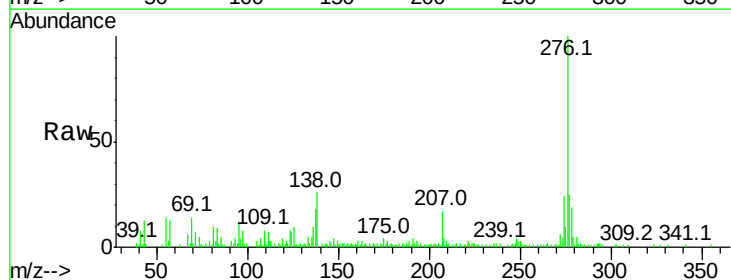
Manual Integrations
APPROVED

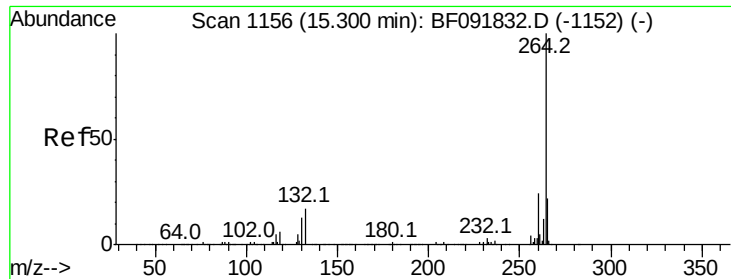
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.97 ng
RT: 16.23 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Tgt Ion:	276	Resp:	65713
Ion Ratio	Lower	Upper	
276	100		
138	22.9	21.8	32.6
277	23.4	20.2	30.4





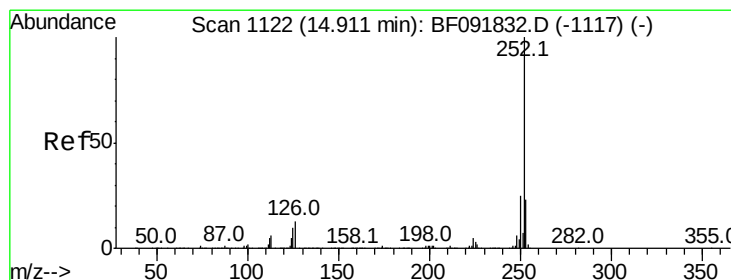
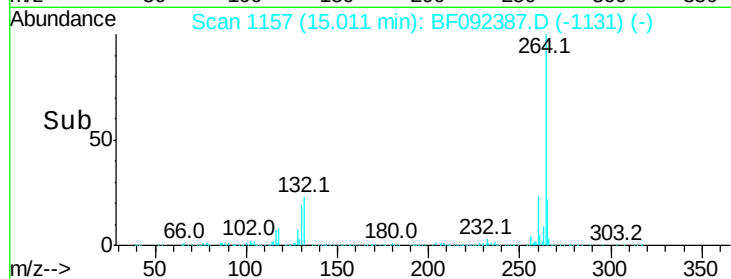
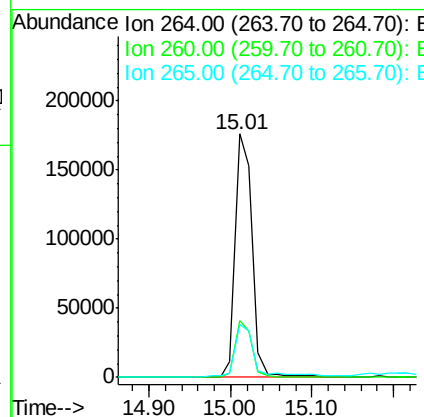
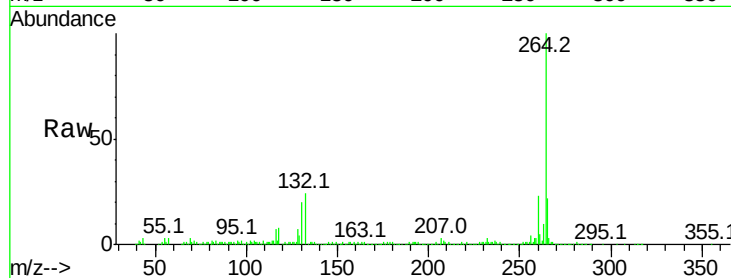
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.01 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.0	17.4	26.0

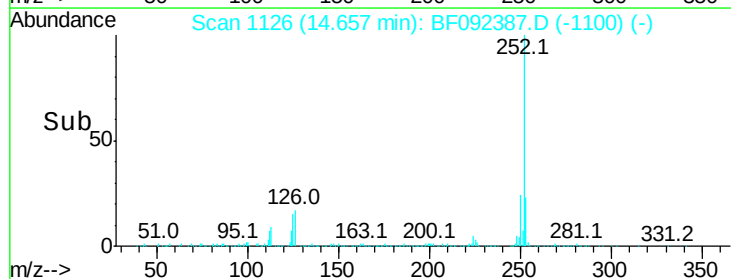
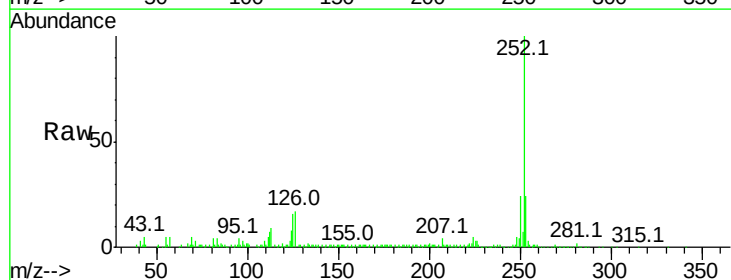
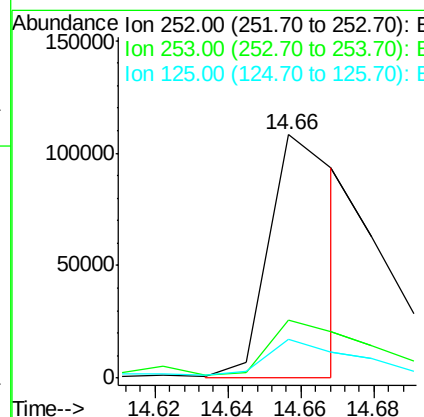
Manual Integrations
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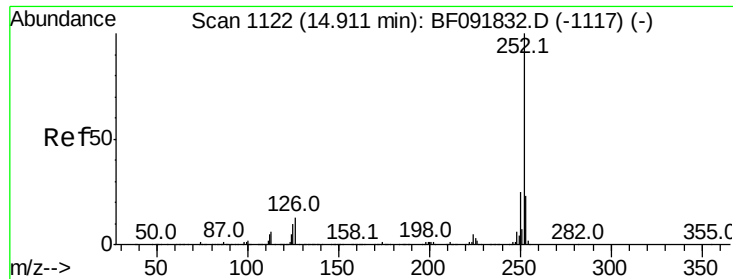
mohammad
1/23/2017 2:45:09 PM



#87
Benzo(b)fluoranthene
Concen: 9.08 ng m
RT: 14.66 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	16.1	9.8	14.6#





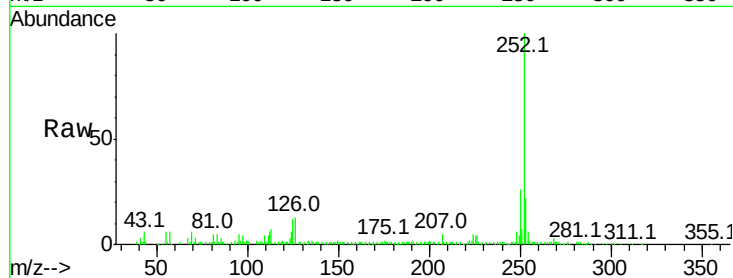
#88
Benzo(k)fluoranthene
Concen: 5.00 ng m
RT: 14.67 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

Instrument :
BNA_F
ClientSampleId :
BLACK-FILL2-0-5FT-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.5	27.7
125	12.1	8.9	13.3

Manual Integrations
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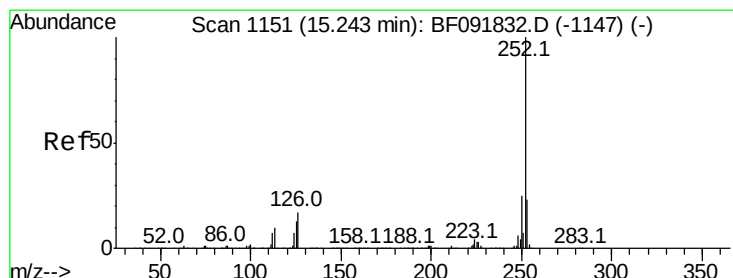
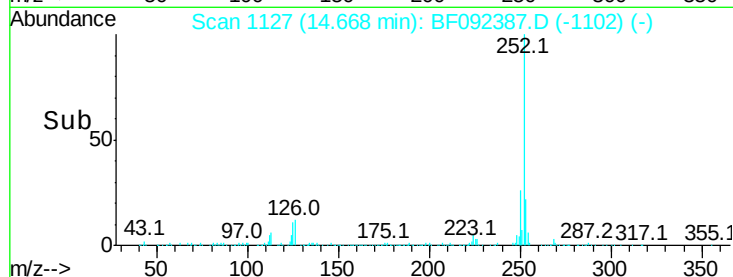
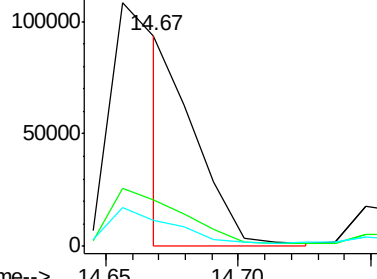


Abundance

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: 8.29 ng
RT: 14.97 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF092387.D
Acq: 20 Jan 2017 22:05

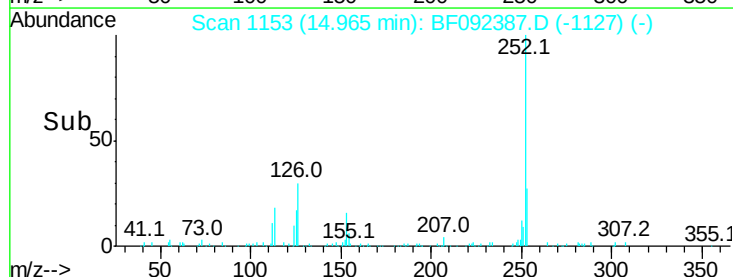
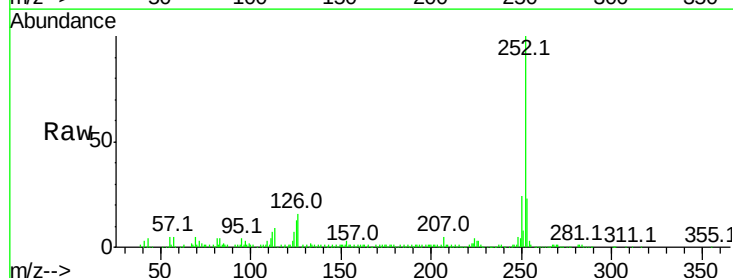
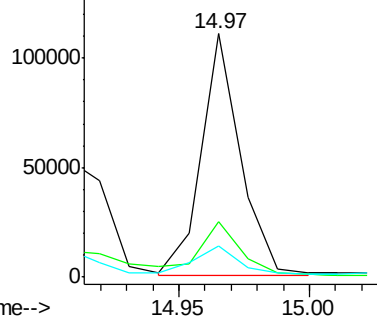
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	12.8	10.0	15.0

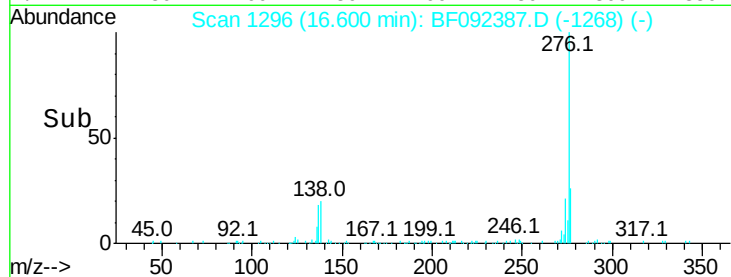
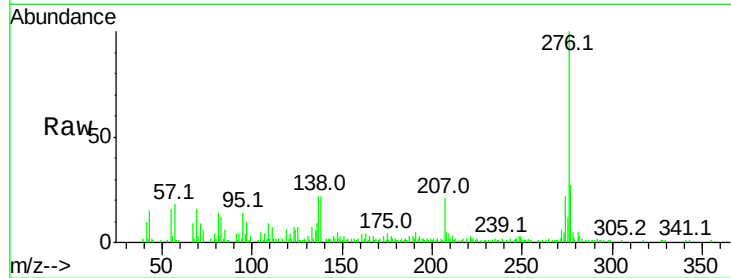
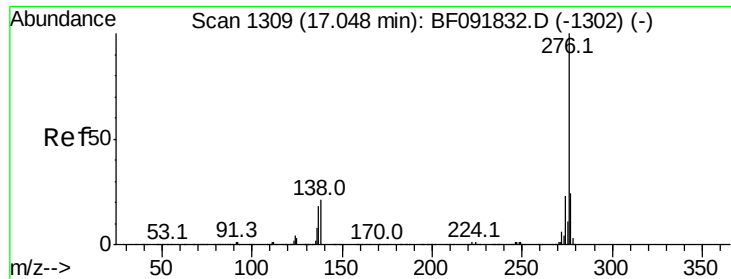
Abundance

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(a,h,i)perylene

Concen: 5.18 ng

RT: 16.60 min Scan# 1296

Delta R.T. 0.02 min

Lab File: BF092387.D

Acq: 20 Jan 2017 22:05

Instrument :

BNA_F

ClientSampleId :

BLACK-FILL2-0-5FT-COMP

Tot Ion:	276	Resp:	61880
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.2	28.8
138	21.8	16.0	24.0

Manual Integrations
APPROVED

mohammad
1/23/2017 2:45:09 PM

