

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091584.D
 Acq On : 14 Dec 2016 14:23
 Operator : UM/SJ
 Sample : H5918-01DL 2X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16DL

Manual Integrations
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Quant Time: Dec 15 13:46:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	283371	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1197650	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	519731	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	740648	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	548737	20.00	ng	0.00
86) Perylene-d12	15.38	264	623921	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1245604	74.06	ng	-0.01
7) Phenol-d6	6.44	99	1510740	72.05	ng	-0.01
23) Nitrobenzene-d5	7.36	82	891148	41.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	250706	58.08	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1399998	46.54	ng	-0.02
78) Terphenyl-d14	12.91	244	1024127	42.35	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	561065	17.05	ng	99
51) Acenaphthene	9.87	154	116013m	3.76	ng	
54) Dibenzofuran	10.04	168	113477m	2.97	ng	
70) Phenanthrene	11.34	178	1496778	40.81	ng	99
71) Anthracene	11.39	178	491082	12.41	ng	98
72) Carbazole	11.55	167	213921	6.17	ng	97
74) Fluoranthene	12.53	202	1928185	50.21	ng	95
77) Pyrene	12.76	202	1766048	40.57	ng	99
80) Benzo(a)anthracene	13.95	228	904044	28.37	ng	99
82) Chrysene	13.99	228	799696m	23.99	ng	
85) Indeno(1,2,3-cd)pyrene	16.74	276	291771	9.72	ng	97
87) Benzo(b)fluoranthene	14.97	252	938057m	25.22	ng	
88) Benzo(k)fluoranthene	14.99	252	181509m	5.55	ng	
89) Benzo(a)pyrene	15.31	252	542089	16.18	ng	99
90) Dibenz(a,h)anthracene	16.75	278	72309m	2.41	ng	
91) Benzo(g,h,i)perylene	17.15	276	269876	8.83	ng	# 95

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

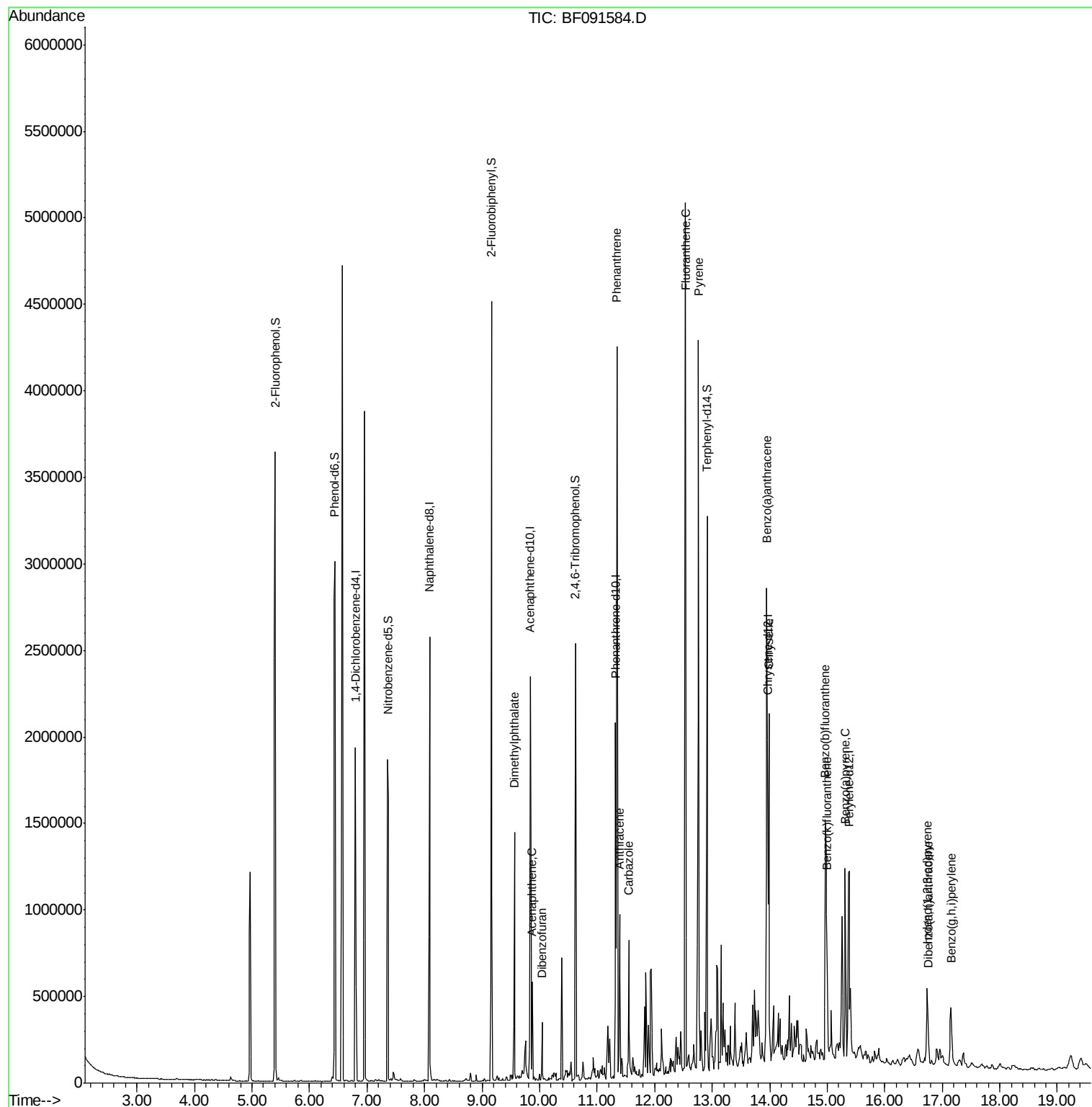
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091584.D
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ALS Vial : 37 Sample Multiplier: 1

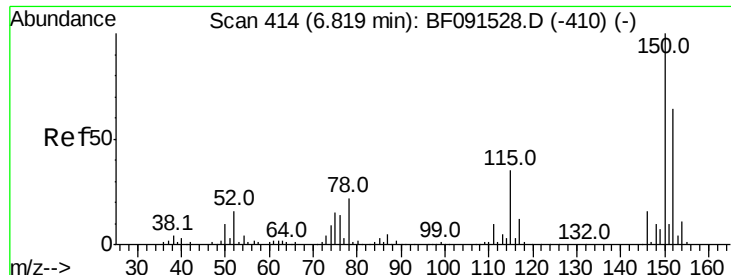
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Quant Time: Dec 15 13:46:48 2016
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#1

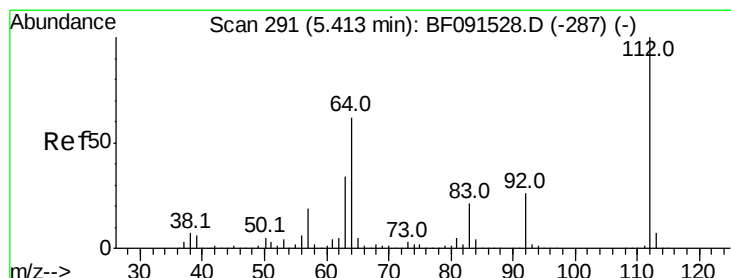
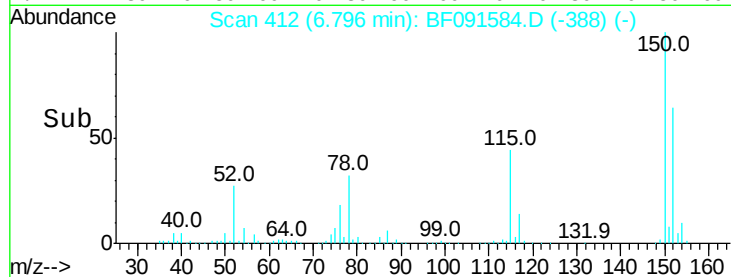
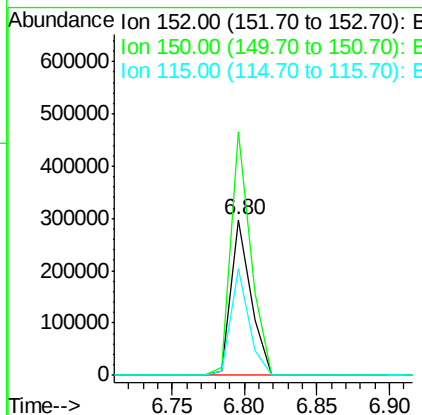
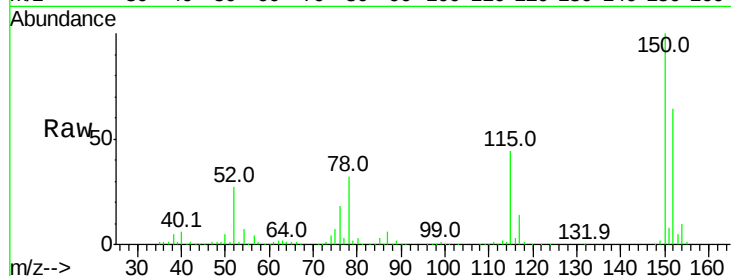
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.5	183.7
115	68.8	51.8	77.8

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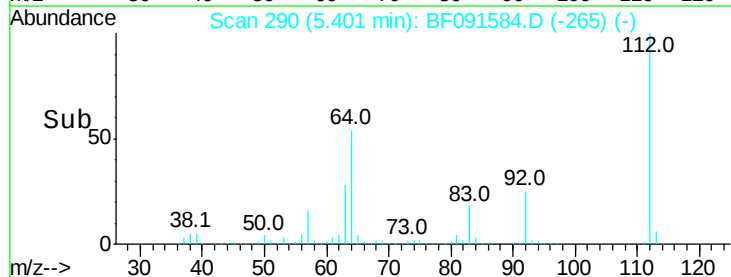
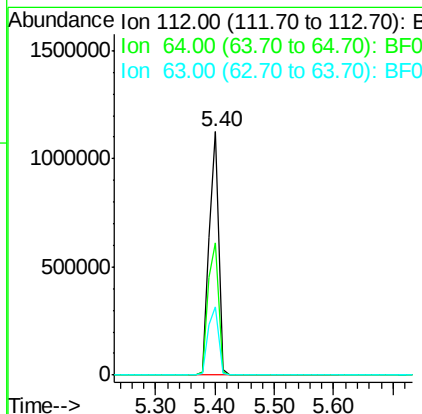
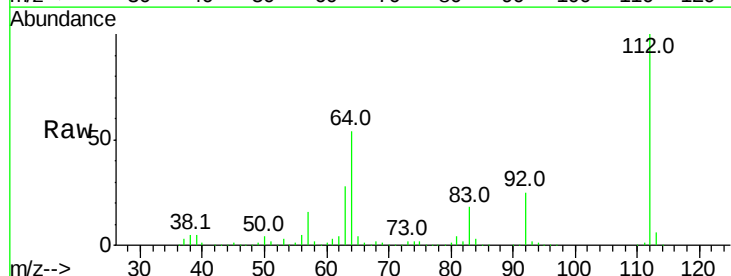
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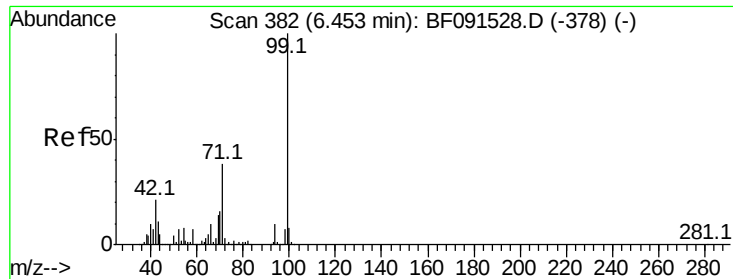


#5

2-Fluorophenol
Concen: 74.06 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	61.5	92.3#
63	27.8	33.3	49.9#





#7

Phenol-d6

Concen: 72.05 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Instrument :

BNA_F

ClientSampleId :

P-21-12-6-16DL

Tot Ion: 99 Resp: 1510740

Ion Ratio Lower Upper

99 100

42 14.5 20.6 31.0#

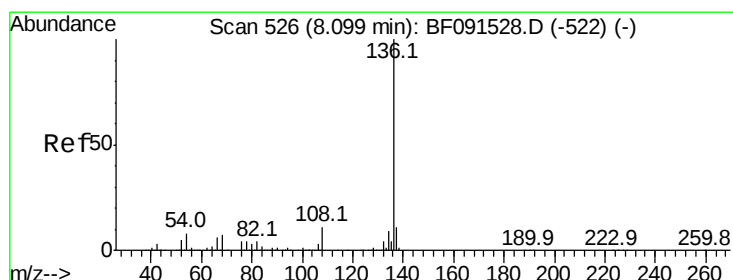
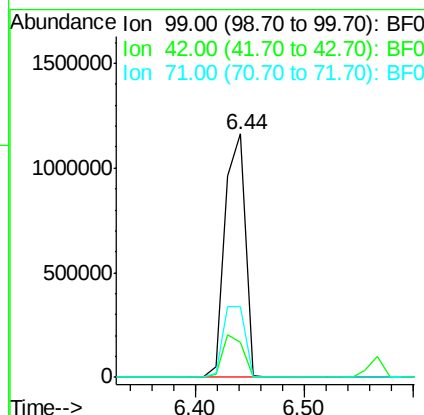
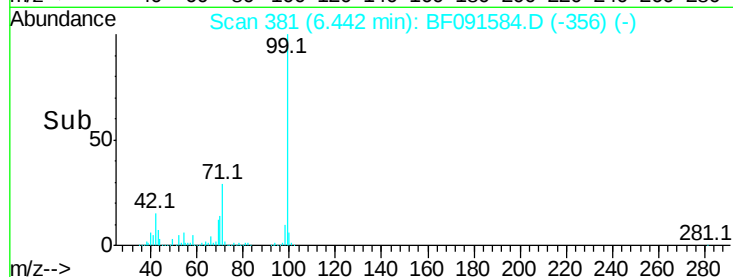
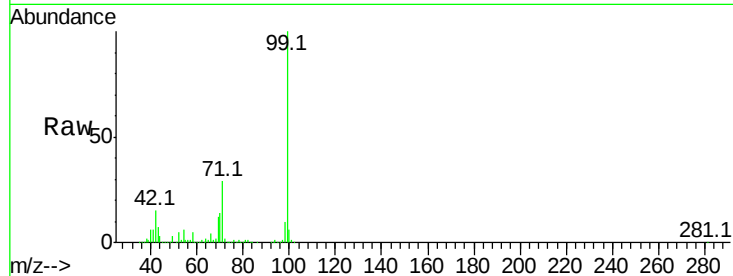
71 29.1 29.9 44.9#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Tgt Ion: 136 Resp: 1197650

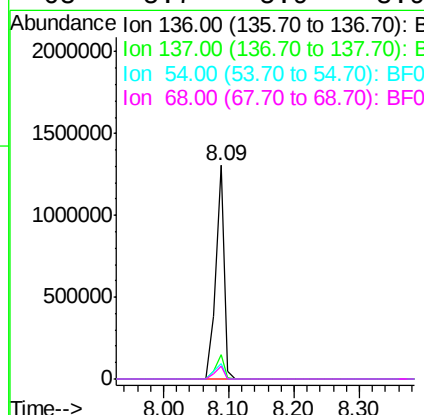
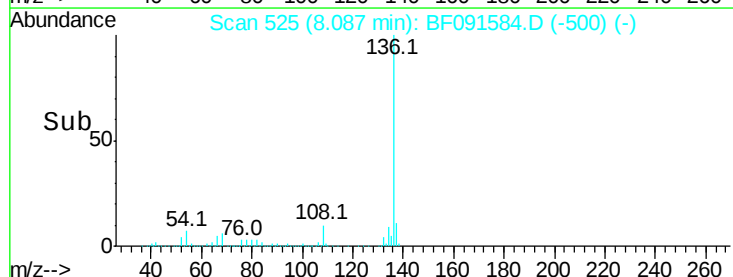
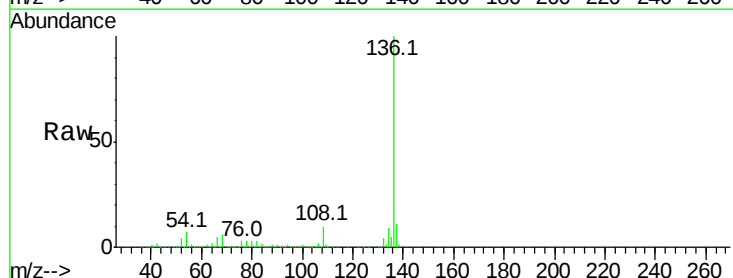
Ion Ratio Lower Upper

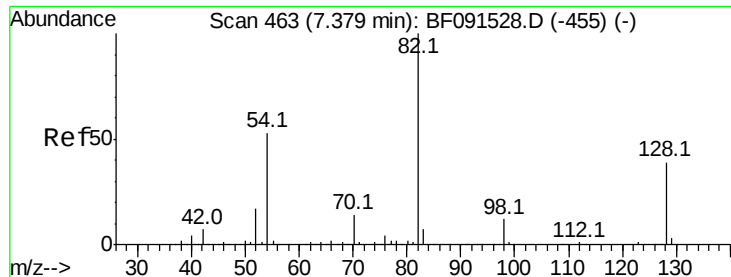
136 100

137 11.3 9.1 13.7

54 7.1 9.1 13.7#

68 5.7 5.9 8.9#





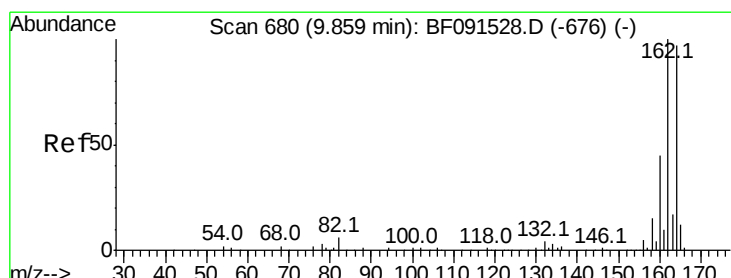
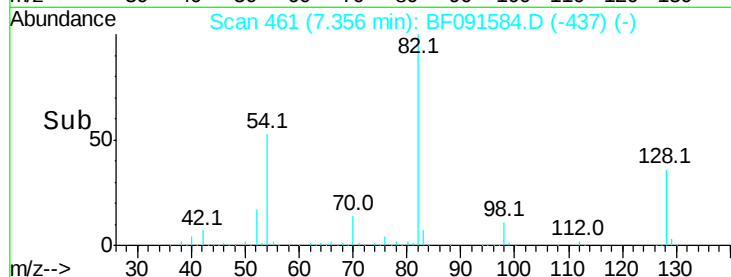
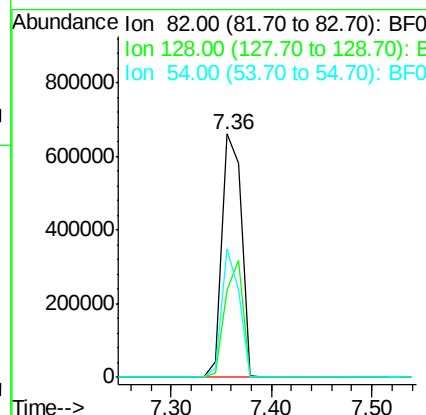
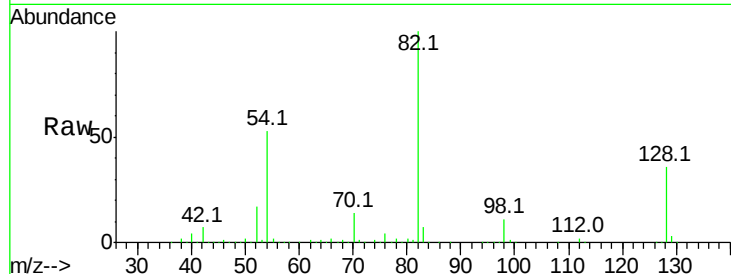
#23
 Nitrobenzene-d5
 Concen: 41.53 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091584.D
 Acq: 14 Dec 2016 14:23

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.0	31.8	47.6
54	52.7	49.1	73.7

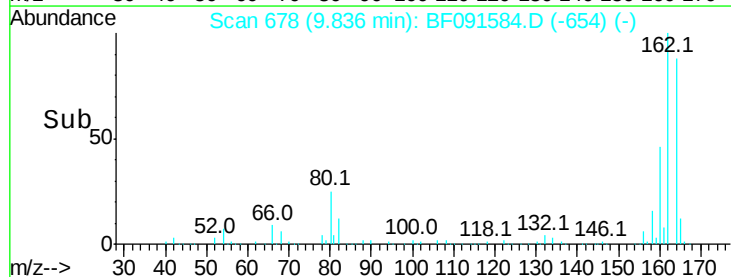
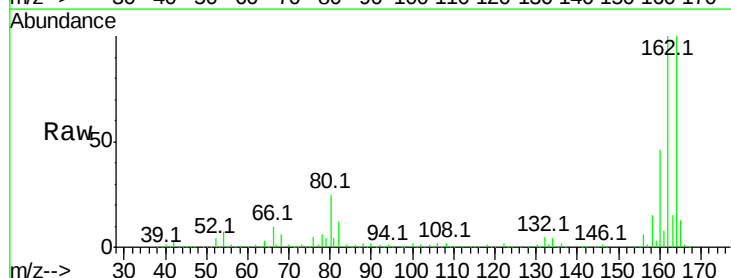
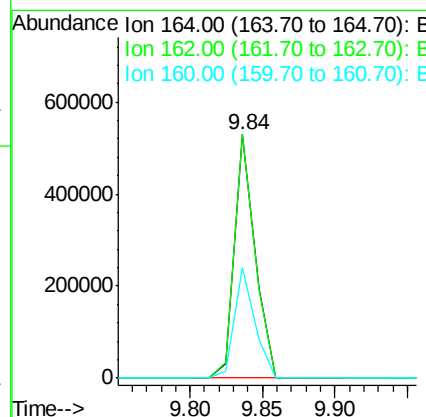
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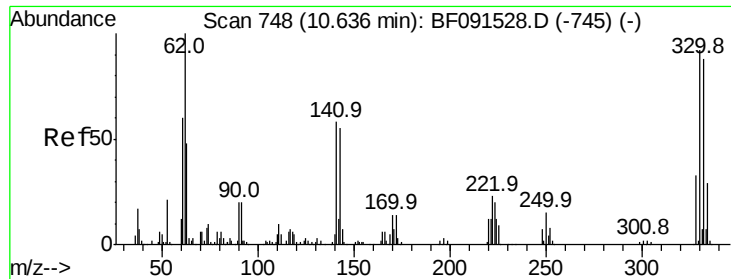
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF091584.D
 Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.6	124.0
160	45.6	36.7	55.1





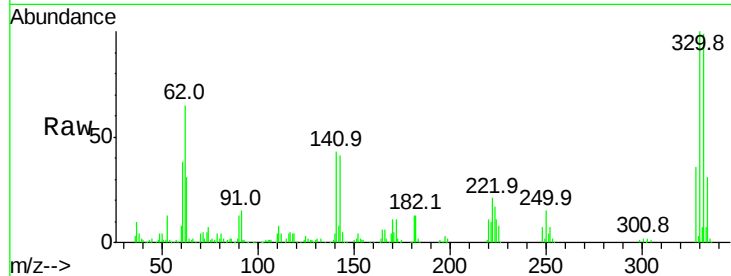
#41
 2,4,6-Tribromophenol
 Concen: 58.08 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091584.D
 Acq: 14 Dec 2016 14:23

Instrument :
 BNA_F
 ClientSampleId :
 P-21-12-6-16DL

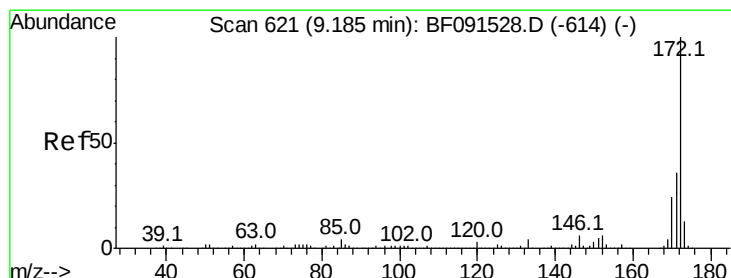
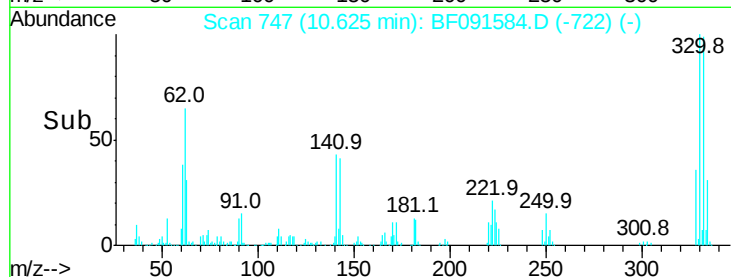
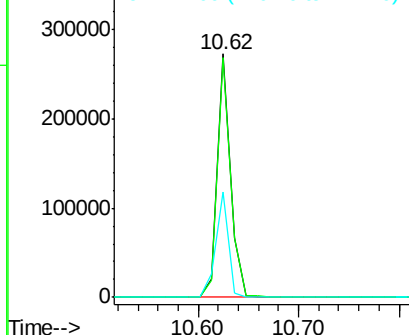
Tot Ion	Ratio	Resp	Lower	Upper
330	100	250706		
332	98.5	76.2	114.4	
141	41.6	33.6	50.4	

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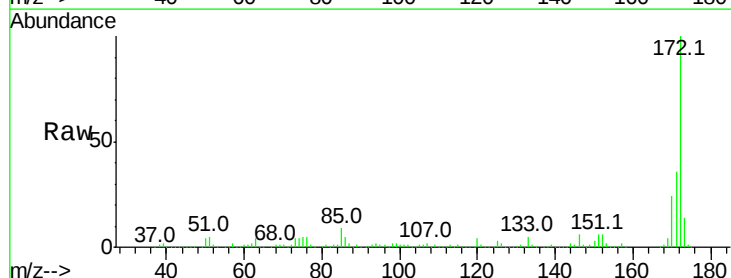


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

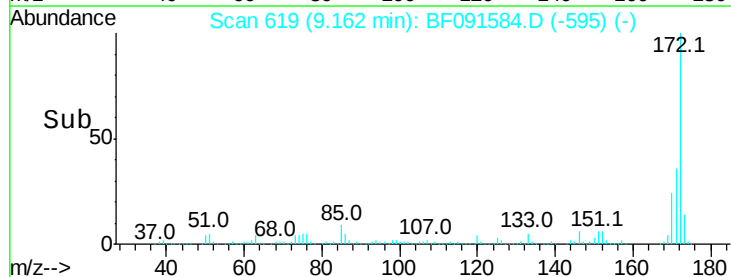
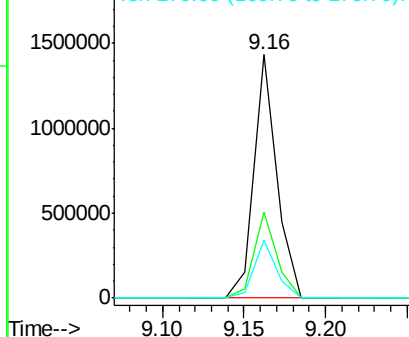


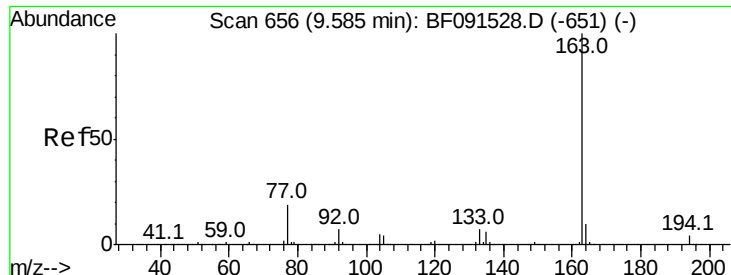
#44
 2-Fluorobiphenyl
 Concen: 46.54 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091584.D
 Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1399998		
171	35.6	29.4	44.0	
170	24.1	19.7	29.5	



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





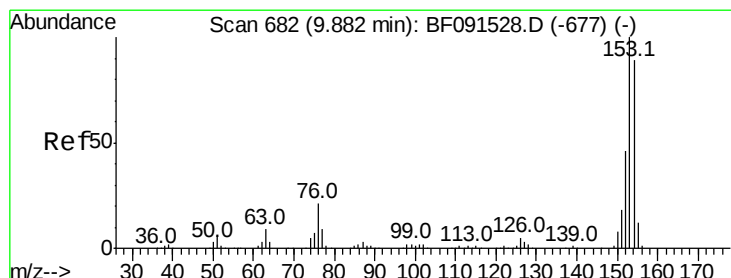
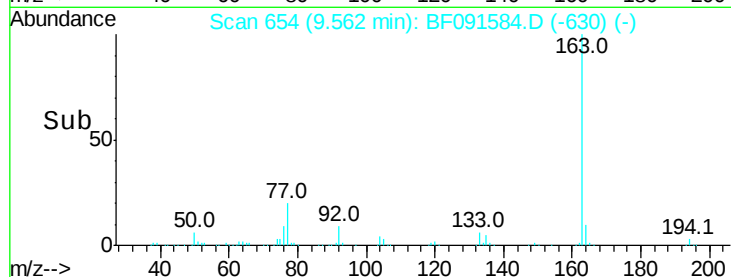
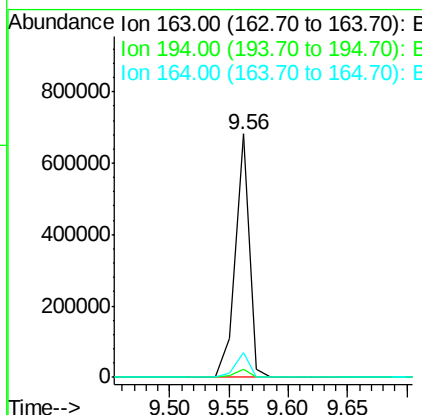
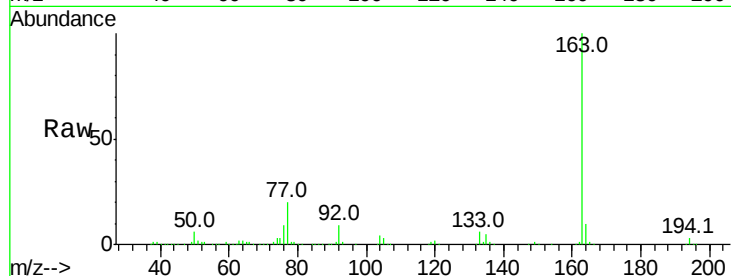
#49
Dimethylphthalate
Concen: 17.05 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	561065		
194	3.5		3.0	4.4
164	10.0		7.8	11.8

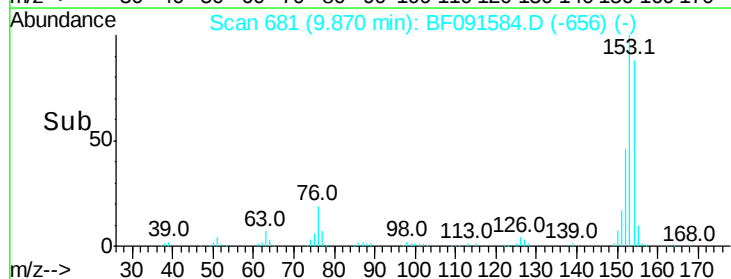
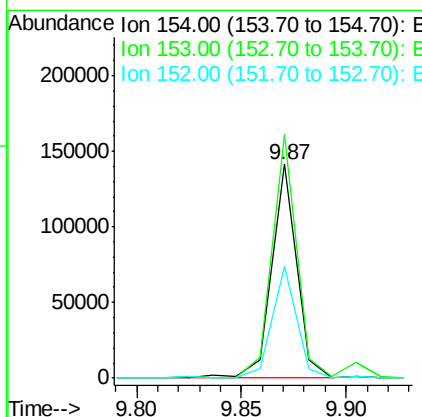
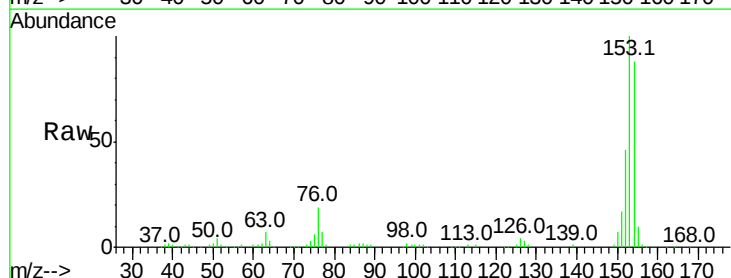
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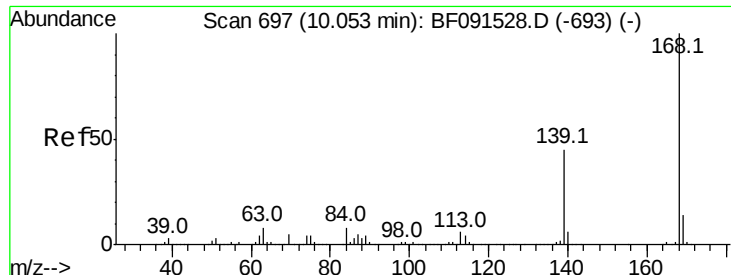
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#51
Acenaphthene
Concen: 3.76 ng m
RT: 9.87 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	116013		
153	113.9		91.0	136.6
152	52.0		44.2	66.2





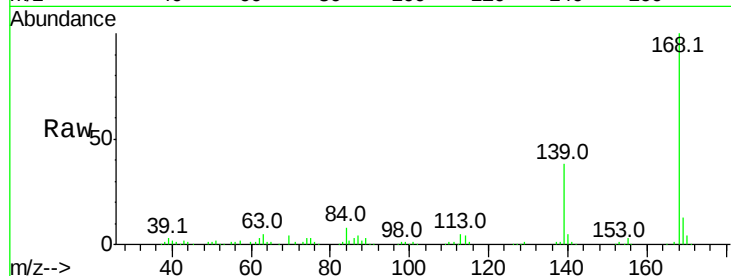
#54
Dibenzenofuran
Concen: 2.97 ng/ml
RT: 10.04 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16DL

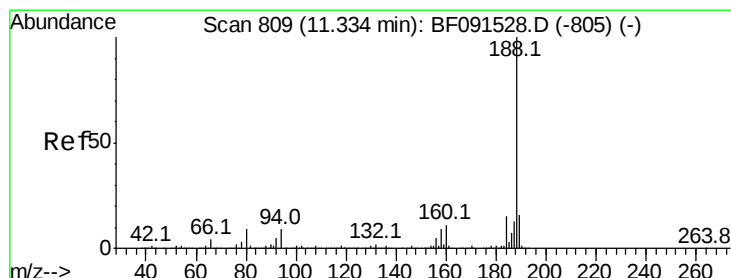
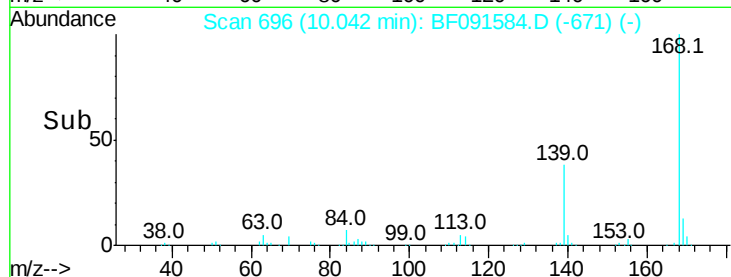
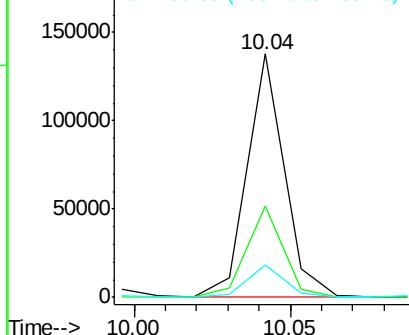
Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	33.4	50.2
169	13.3	11.1	16.7

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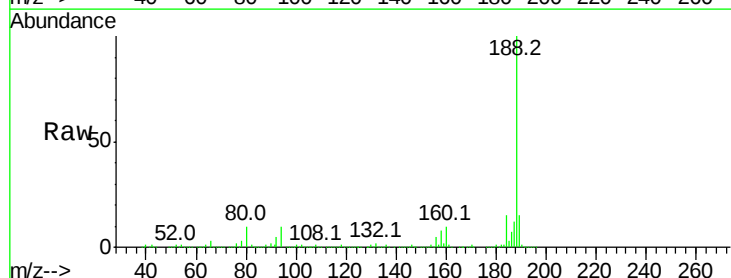


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

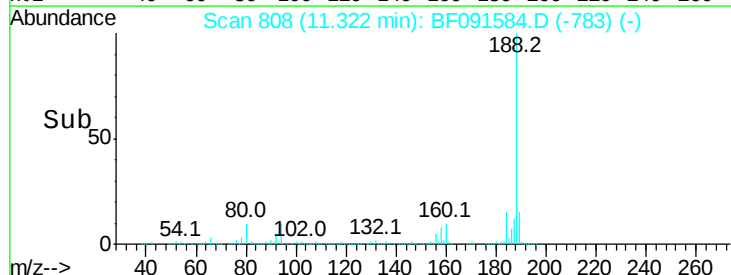
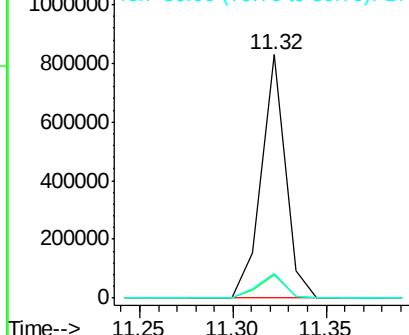


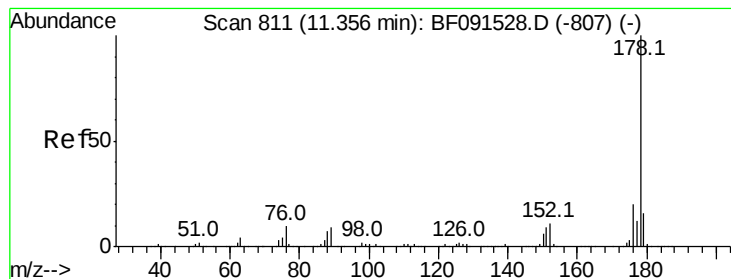
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	9.2	13.8
80	10.2	10.5	15.7



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: 40.81 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Instrument :

BNA_F

ClientSampleId :

P-21-12-6-16DL

Tot Ion:178 Resp: 1496778

Ion Ratio Lower Upper

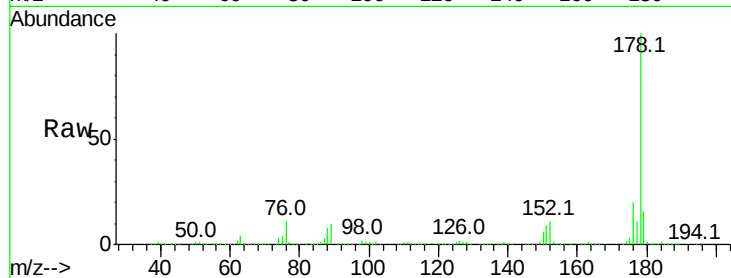
178 100

176 19.9 15.9 23.9

179 16.3 12.6 18.8

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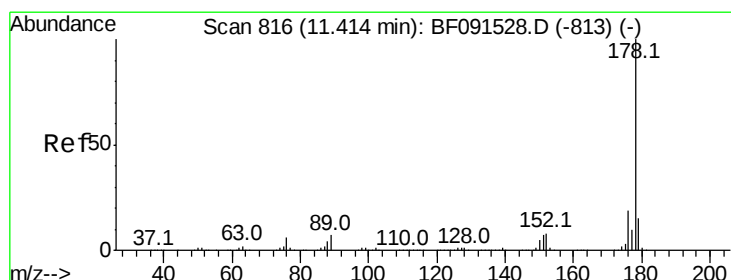
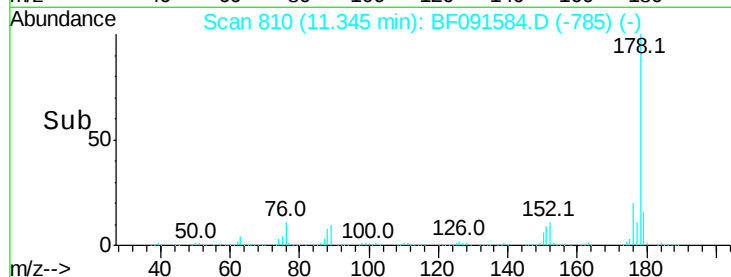
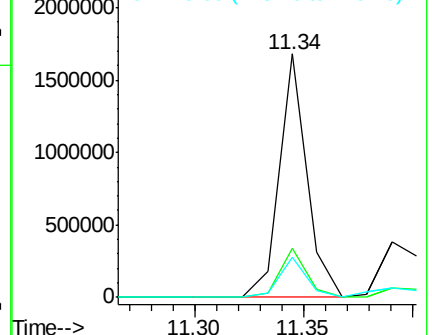
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 12.41 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

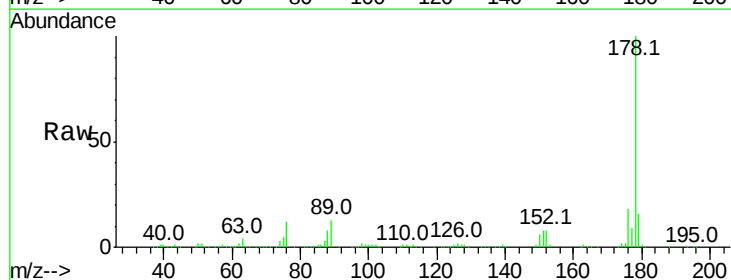
Tgt Ion:178 Resp: 491082

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.6

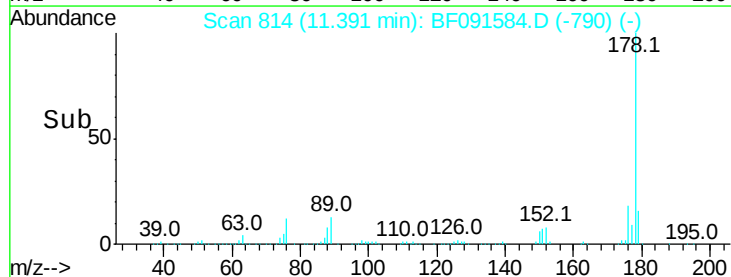
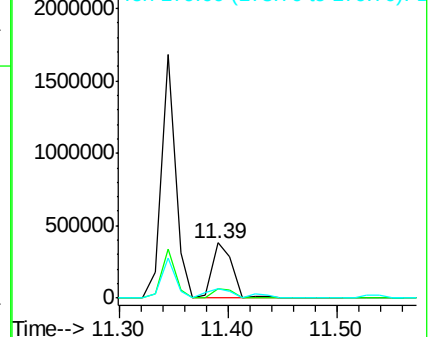
179 16.0 12.7 19.1

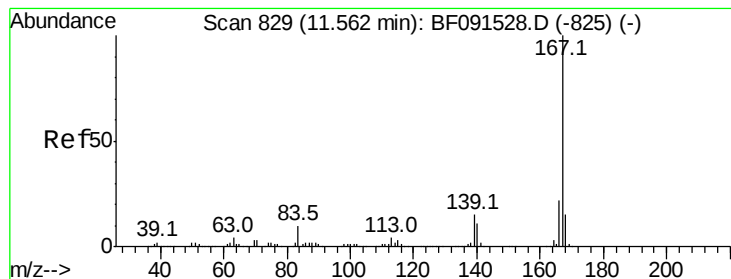


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.17 ng

RT: 11.55 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Instrument :

BNA_F

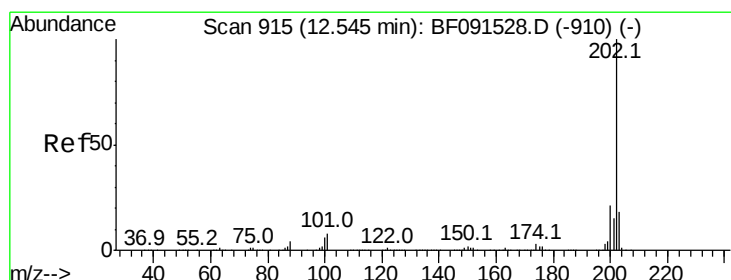
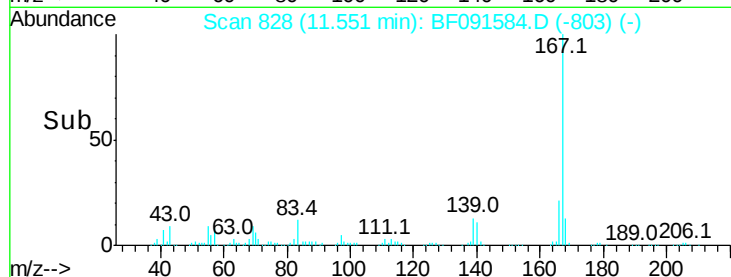
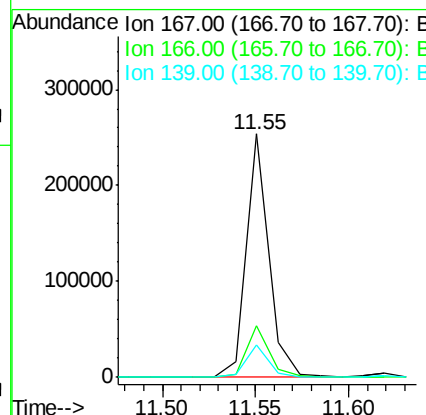
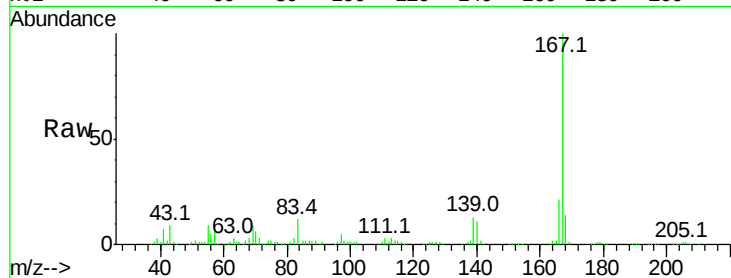
ClientSampleId :

P-21-12-6-16DL

Tot Ion:	167	Resp:	213921
Ion Ratio	Lower	Upper	
167	100		
166	21.3	18.1	27.1
139	13.4	11.5	17.3

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#74

Fluoranthene

Concen: 50.21 ng

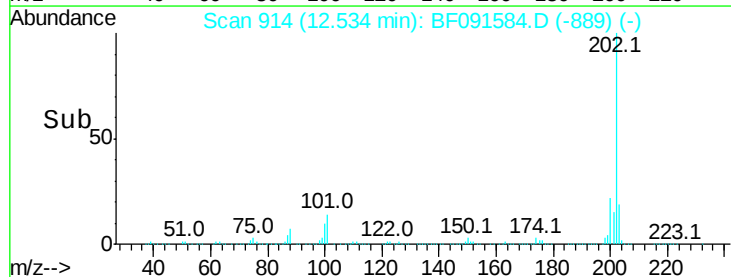
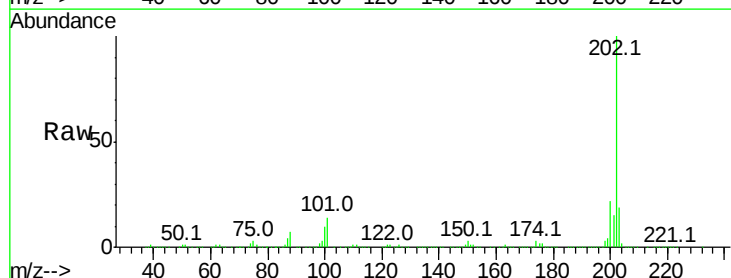
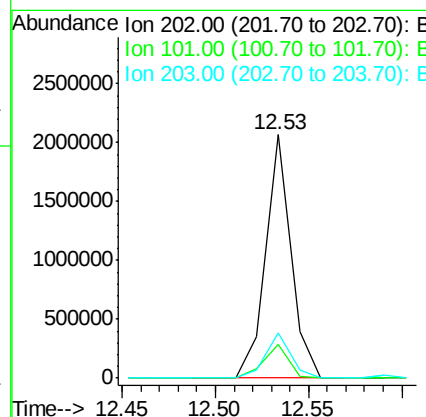
RT: 12.53 min Scan# 914

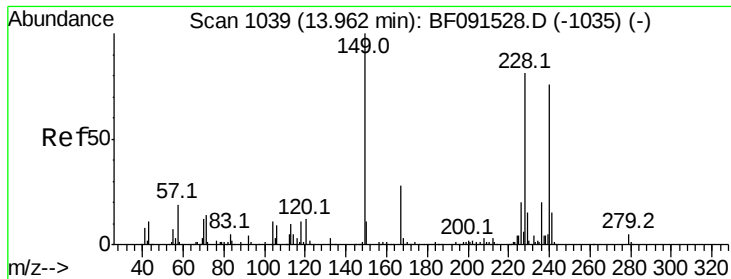
Delta R.T. -0.01 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Tgt Ion:	202	Resp:	1928185
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	29.5
203	18.8	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Instrument :

BNA_F

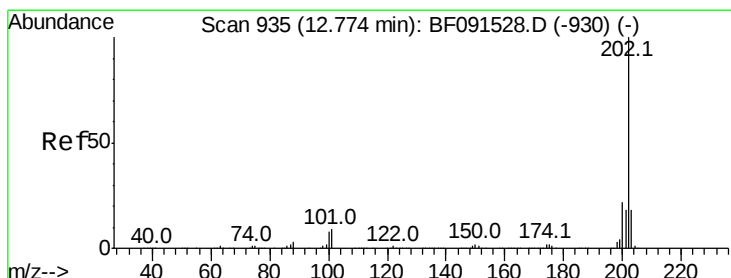
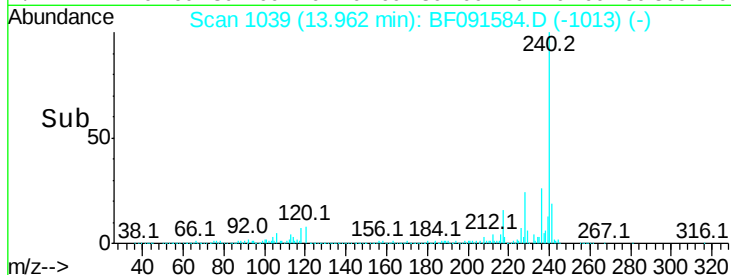
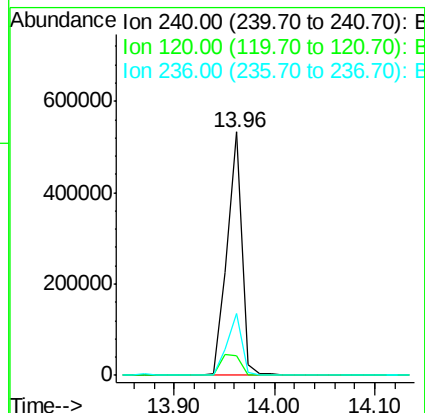
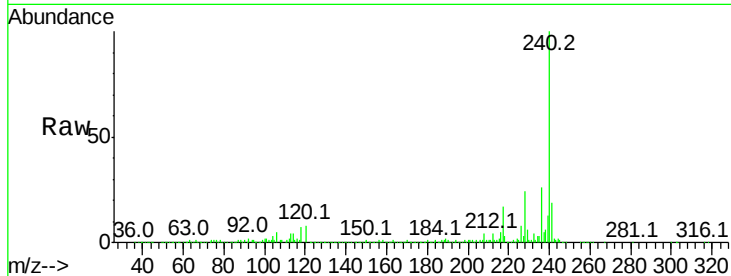
ClientSampleId :

P-21-12-6-16DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	548737		
120	8.0	12.1	18.1#	
236	25.5	21.0	31.6	

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#77

Pyrene

Concen: 40.57 ng

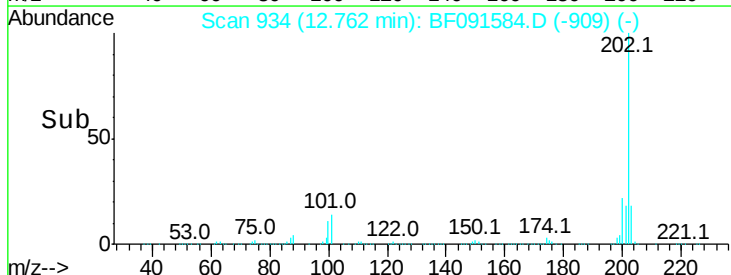
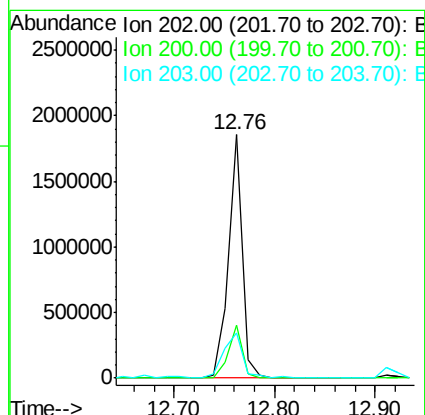
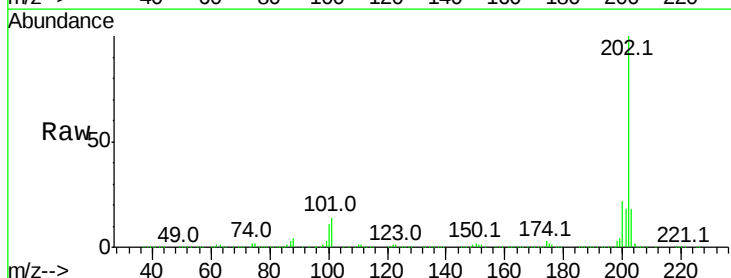
RT: 12.76 min Scan# 934

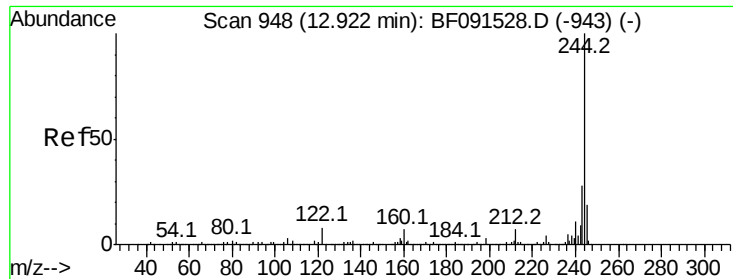
Delta R.T. -0.01 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1766048		
200	21.9	17.6	26.4	
203	18.5	14.0	21.0	





#78

Terphenyl-d14

Concen: 42.35 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Instrument :

BNA_F

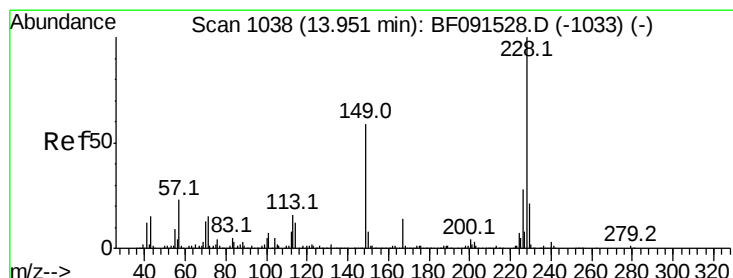
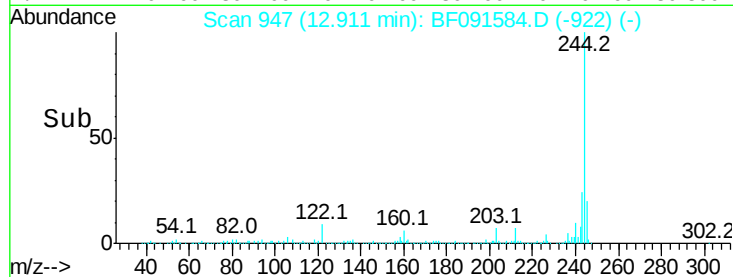
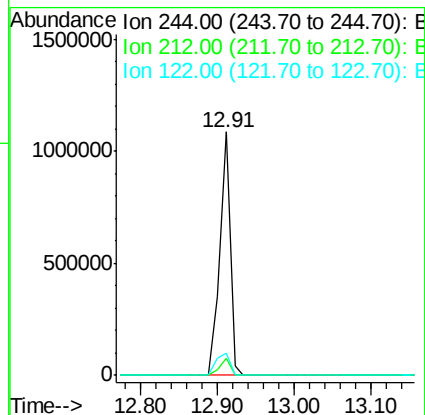
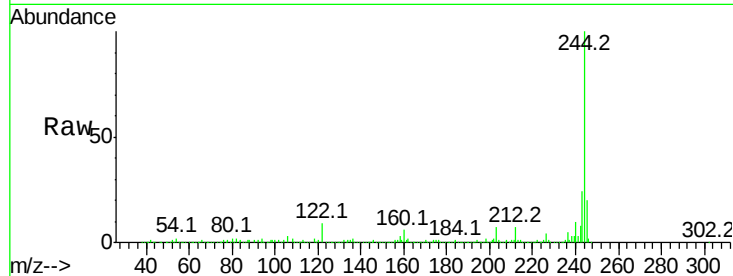
ClientSampleId :

P-21-12-6-16DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.5	9.7
122	9.1	9.5	14.3

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#80

Benzo(a)anthracene

Concen: 28.37 ng

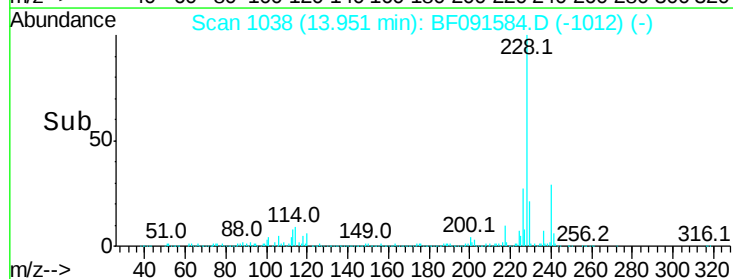
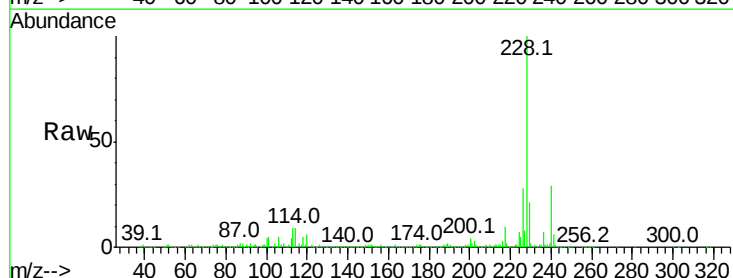
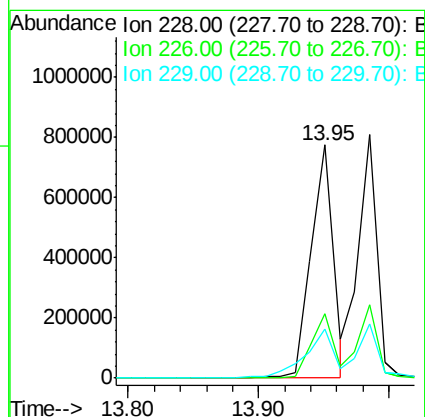
RT: 13.95 min Scan# 1038

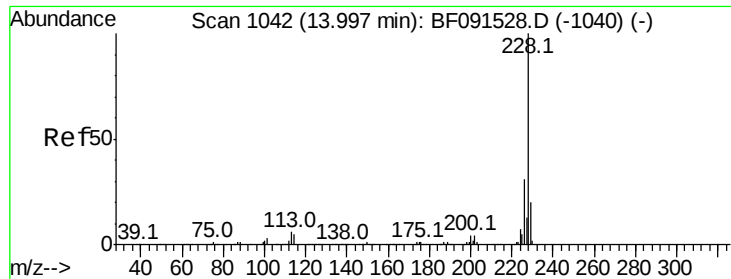
Delta R.T. -0.00 min

Lab File: BF091584.D

Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.5	33.7
229	21.1	16.4	24.6





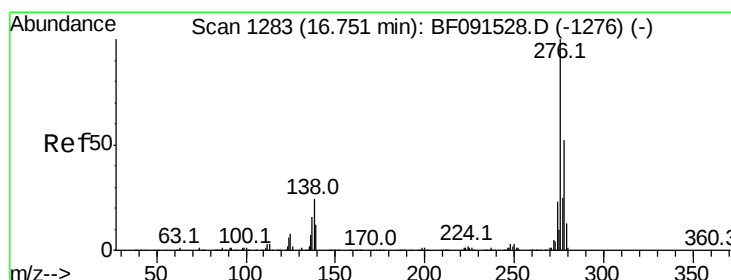
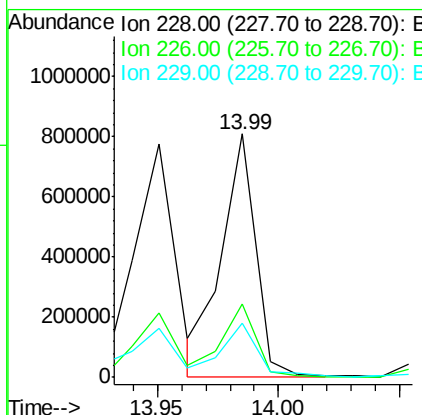
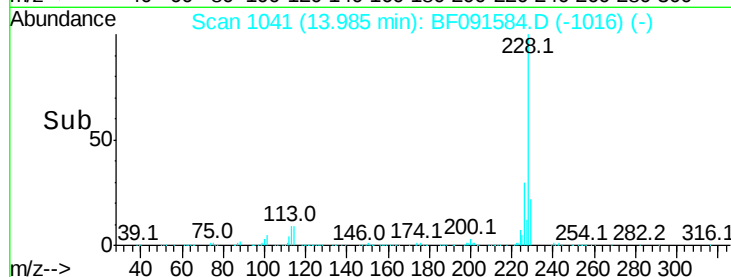
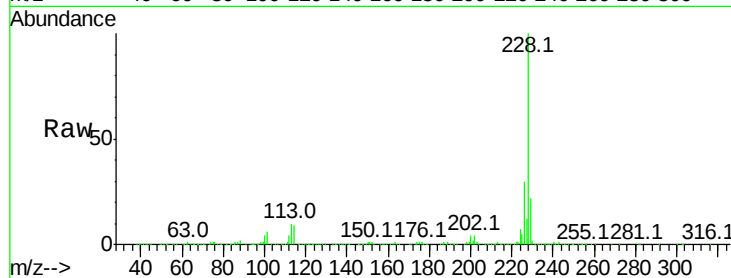
#82
Chrysene
Concen: 23.99 ng/ml
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16DL

Tot Ion:	228	Resp:	799696
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.4
229	22.2	16.0	24.0

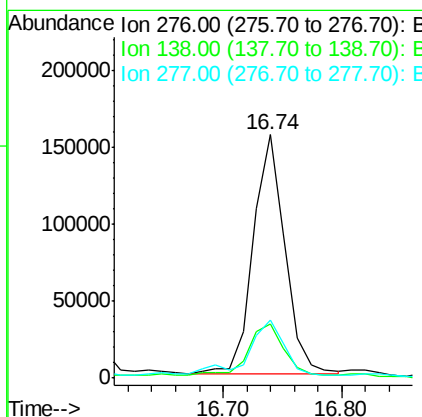
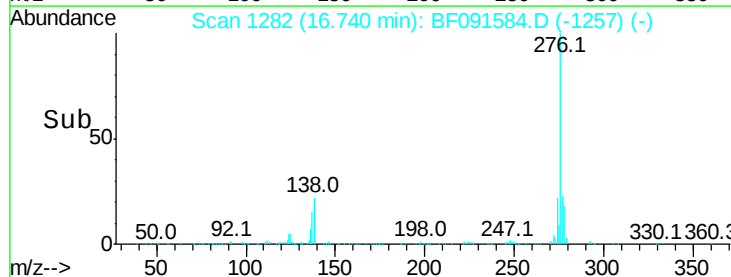
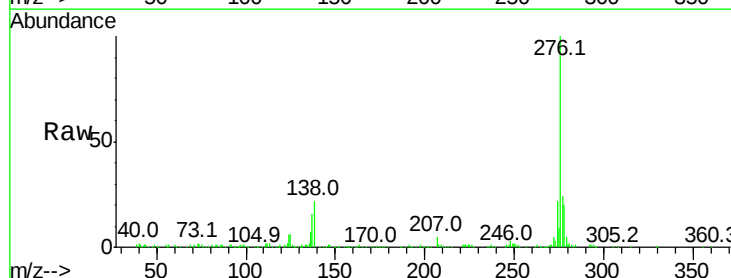
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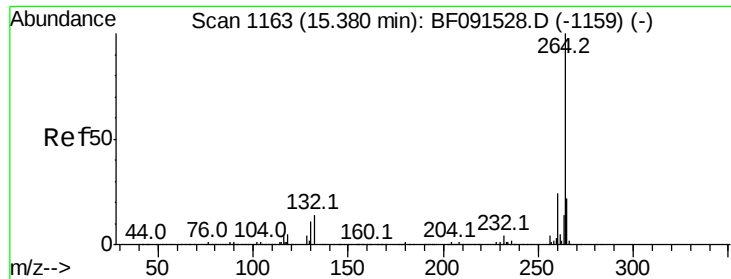
sohil
12/15/2016 5:39:34 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.72 ng
RT: 16.74 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Tgt Ion:	276	Resp:	291771
Ion Ratio	Lower	Upper	
276	100		
138	26.8	21.0	31.4
277	27.9	20.2	30.2





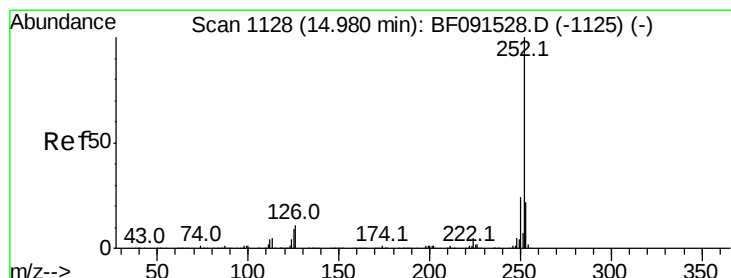
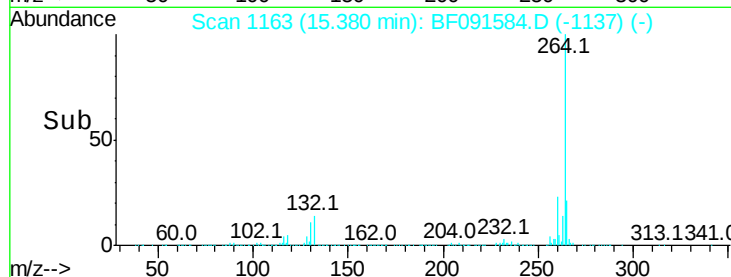
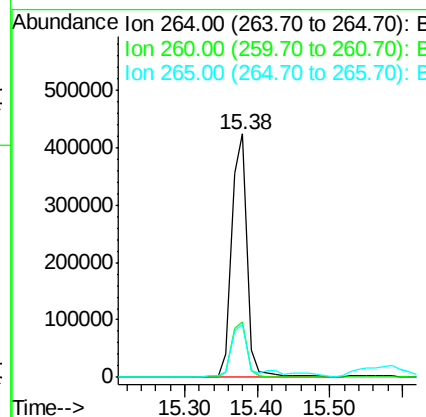
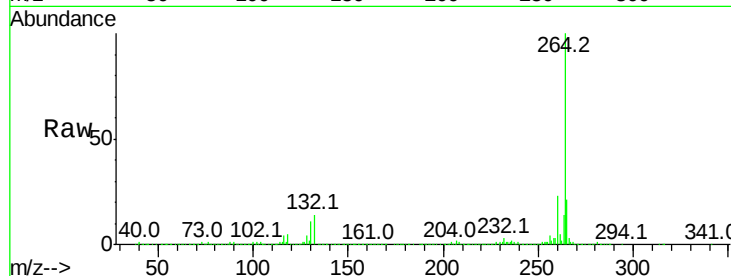
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.8	28.2
265	21.5	17.0	25.6

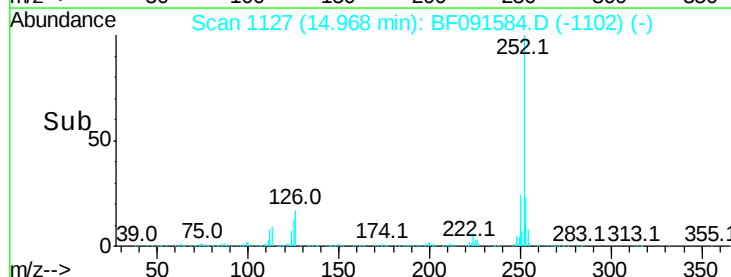
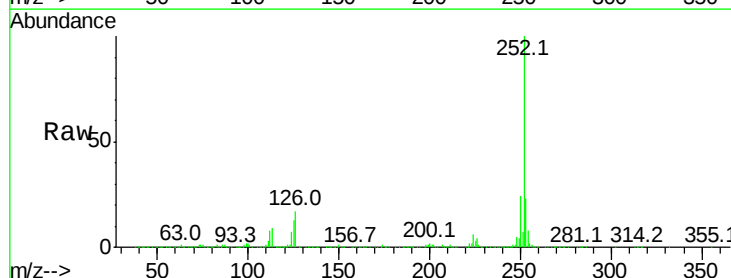
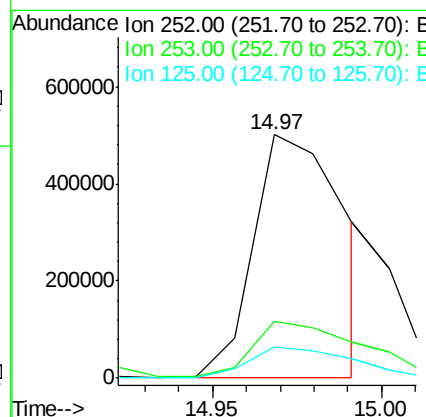
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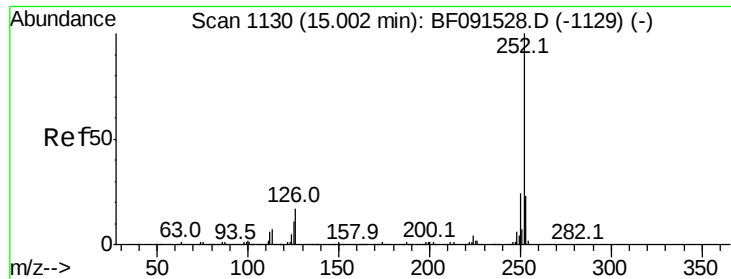
sohil
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#87
Benzo(b)fluoranthene
Concen: 25.22 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	12.8	8.6	13.0





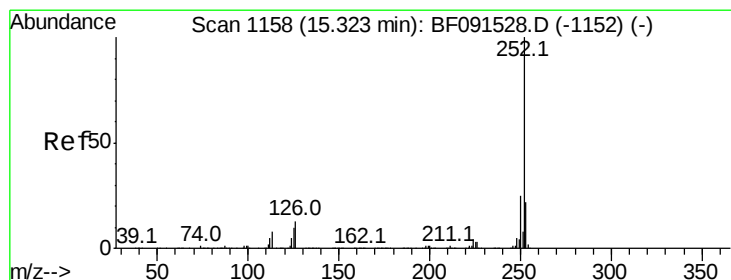
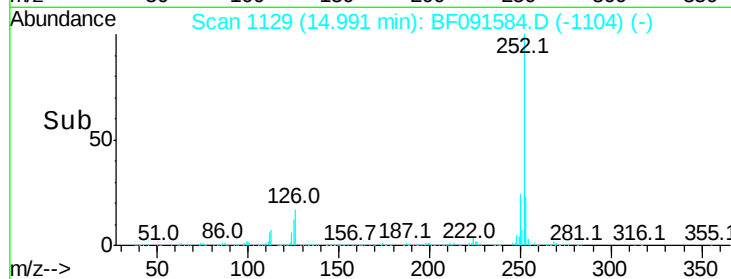
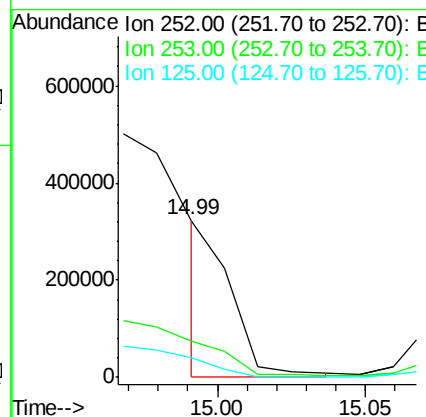
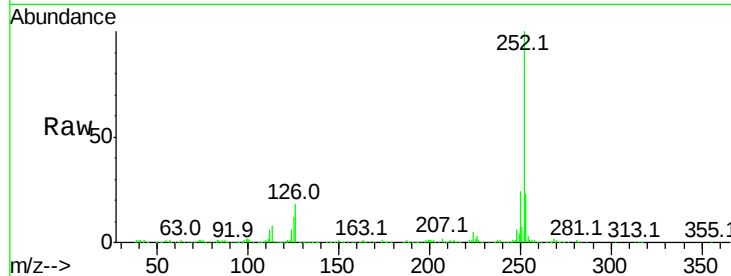
#88
Benzo(k)fluoranthene
Concen: 5.55 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	12.5	9.6	14.4

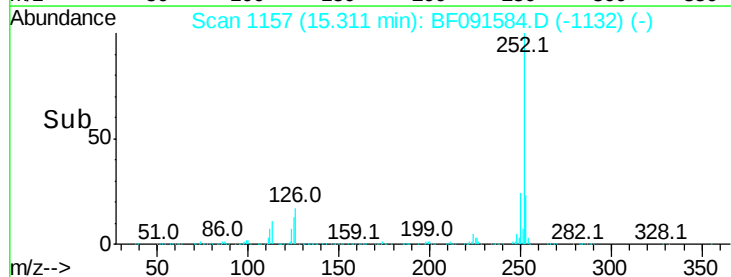
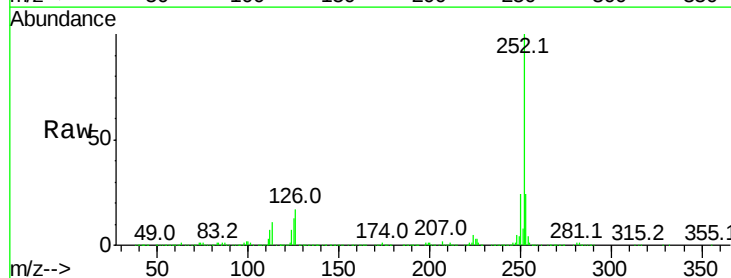
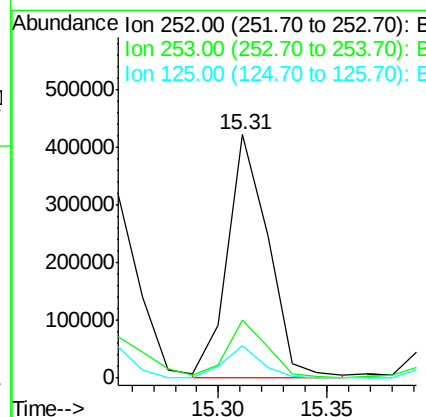
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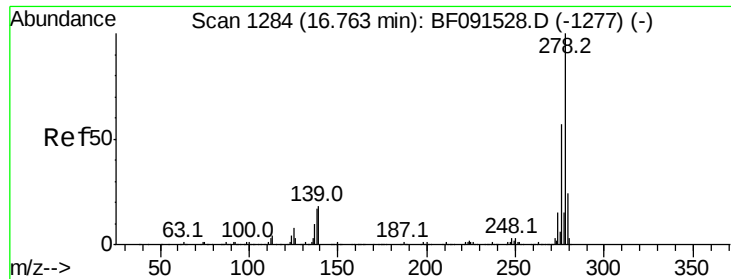
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#89
Benzo(a)pyrene
Concen: 16.18 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	13.2	10.4	15.6





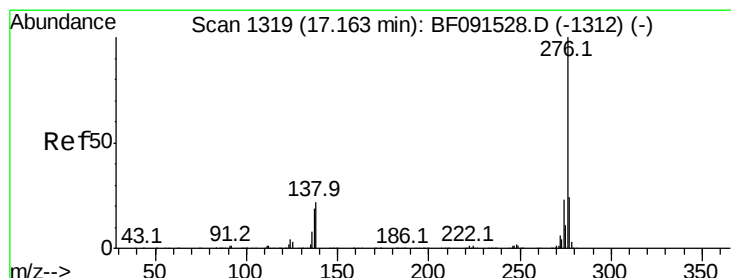
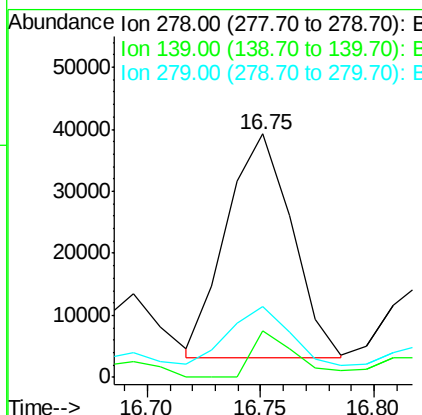
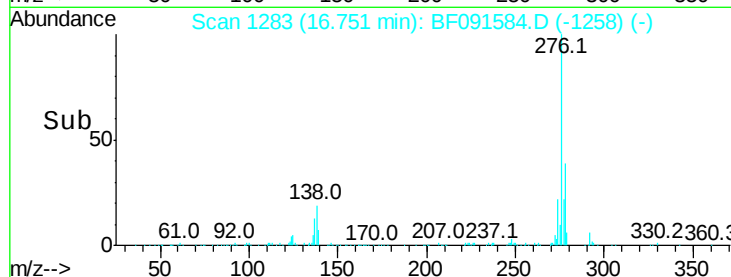
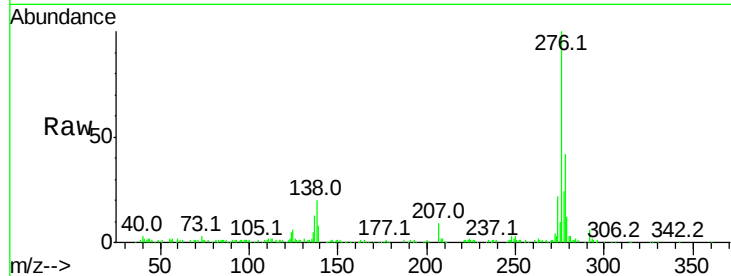
#90
Dibenzo(a,h)anthracene
Concen: 2.41 ng/ml
RT: 16.75 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Instrument :
BNA_F
ClientSampleId :
P-21-12-6-16DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.1	22.7
279	29.2	19.0	28.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.83 ng/ml
RT: 17.15 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF091584.D
Acq: 14 Dec 2016 14:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.4
138	23.1	15.4	23.0

