

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091414.D
 Acq On : 3 Dec 2016 2:47
 Operator : UM/SJ
 Sample : H5772-04 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Manual Integrations
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 12/5/2016 11:21:12 AM

Quant Time: Dec 03 03:14:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	174402	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	646839	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	347261	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	505123	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	346805	20.00	ng	-0.02
86) Perylene-d12	15.47	264	329574	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	226547	21.22	ng	-0.02
7) Phenol-d6	6.48	99	322320	24.53	ng	-0.02
23) Nitrobenzene-d5	7.42	82	183599	15.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	60713	18.47	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	336643	17.55	ng	-0.02
78) Terphenyl-d14	12.97	244	247531	15.51	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.76	152	370938	12.67	ng	99
49) Dimethylphthalate	9.61	163	51195	2.43	ng	# 97
51) Acenaphthene	9.93	154	74658	3.78	ng	98
54) Dibenzofuran	10.10	168	104292	3.94	ng	# 87
57) Fluorene	10.45	166	207317m	10.21	ng	
70) Phenanthrene	11.41	178	2161402	82.35	ng	100
71) Anthracene	11.45	178	575235	22.08	ng	98
72) Carbazole	11.61	167	101146	4.28	ng	97
74) Fluoranthene	12.61	202	3230810	129.95	ng	95
77) Pyrene	12.84	202	3069993	116.65	ng	97
80) Benzo(a)anthracene	14.01	228	2186320	107.80	ng	94
82) Chrysene	14.06	228	1776998	88.55	ng	97
85) Indeno(1,2,3-cd)pyrene	16.87	276	764671	41.61	ng	# 91
87) Benzo(b)fluoranthene	15.05	252	2238791m	109.29	ng	
88) Benzo(k)fluoranthene	15.08	252	379243m	22.02	ng	
89) Benzo(a)pyrene	15.41	252	1307324m	71.06	ng	
90) Dibenzo(a,h)anthracene	16.88	278	194419m	11.43	ng	
91) Benzo(g,h,i)perylene	17.31	276	696970	39.73	ng	96

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

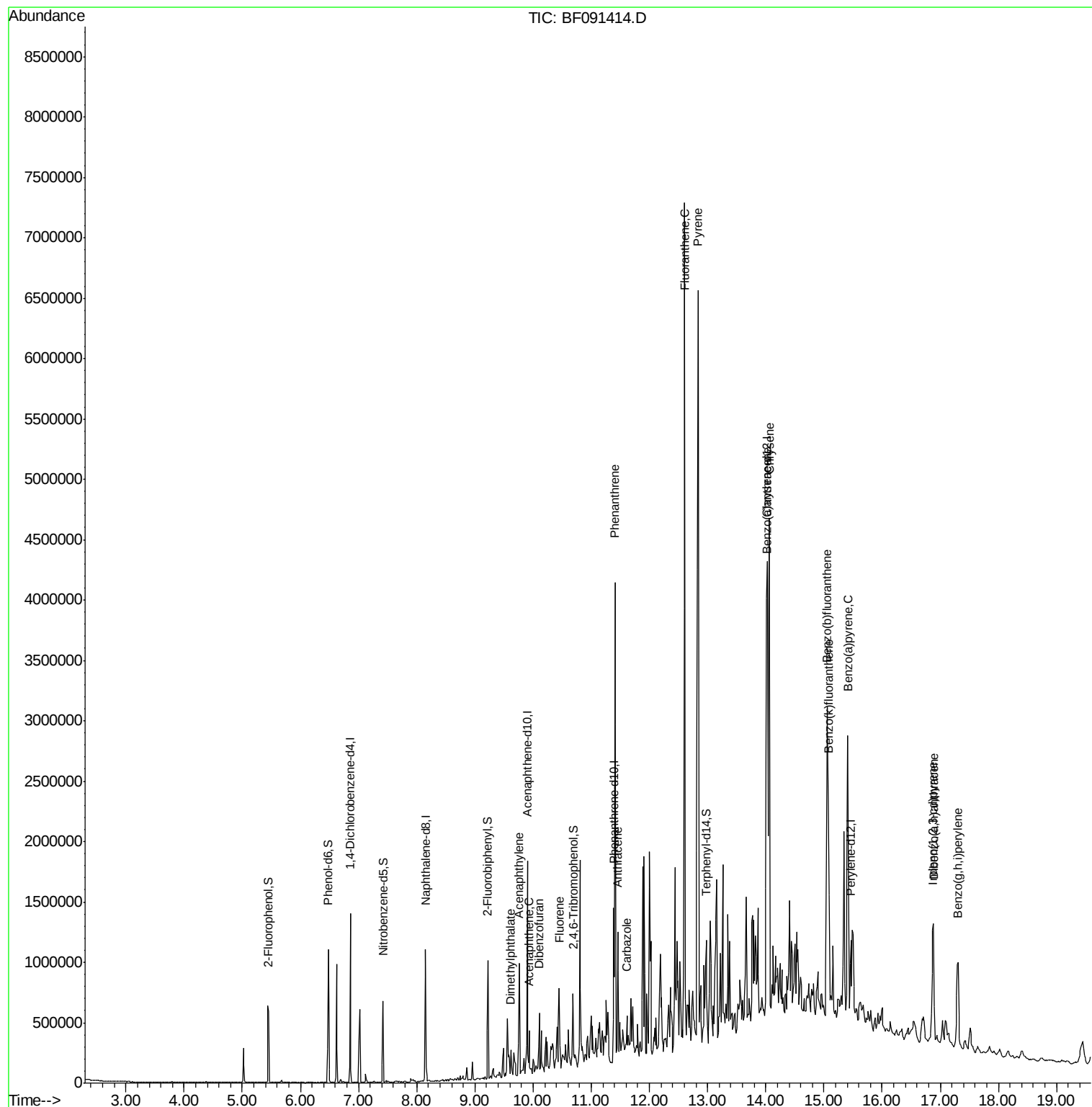
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Instrument :

BNA_F

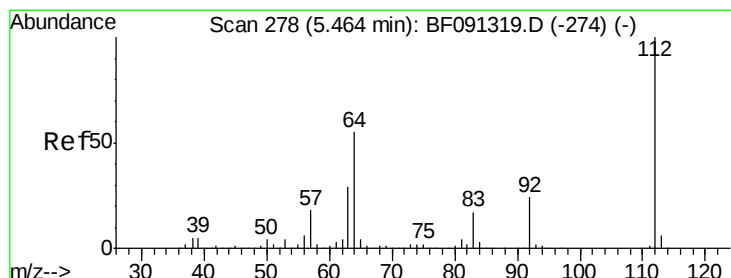
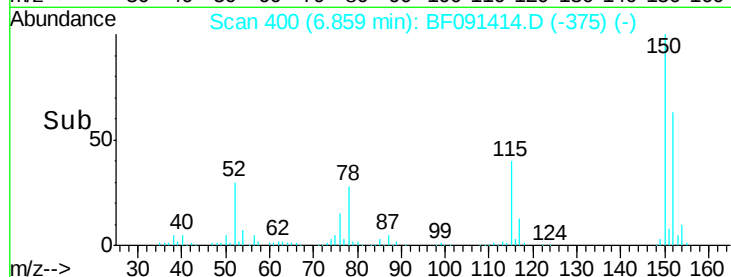
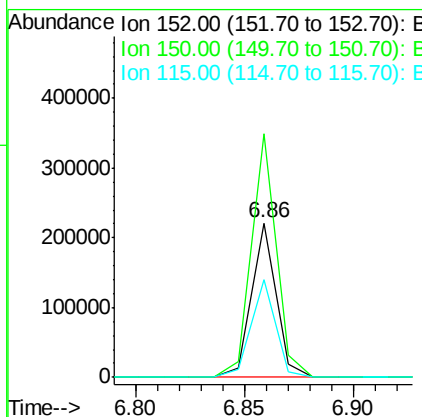
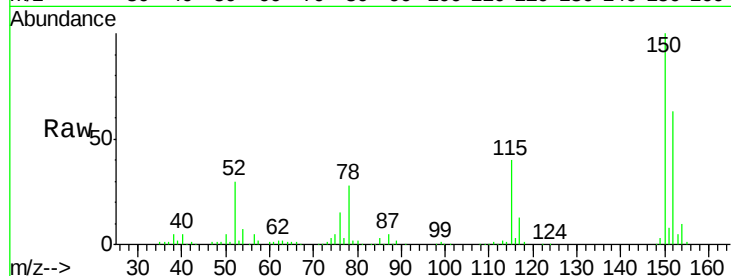
ClientSampled :

SB-01

Tgt	Ion	Resp	Lower	Upper
152	100			
150	158.0	174402	122.5	183.7
115	63.6		51.8	77.8

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#5

2-Fluorophenol

Concen: 21.22 ng

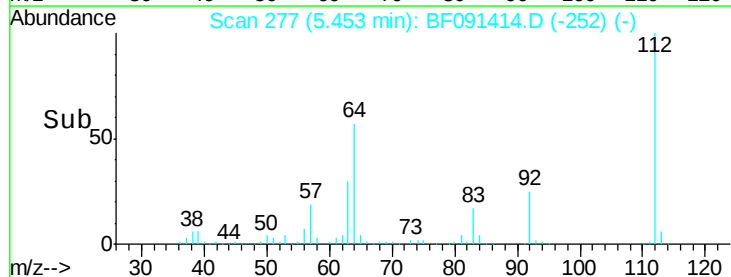
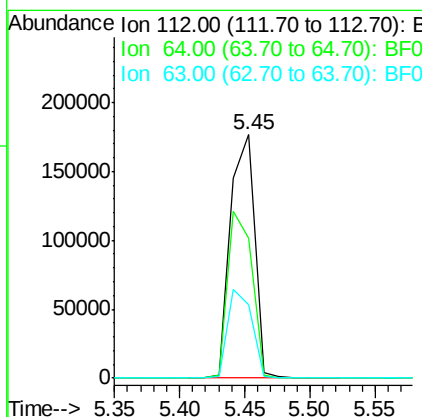
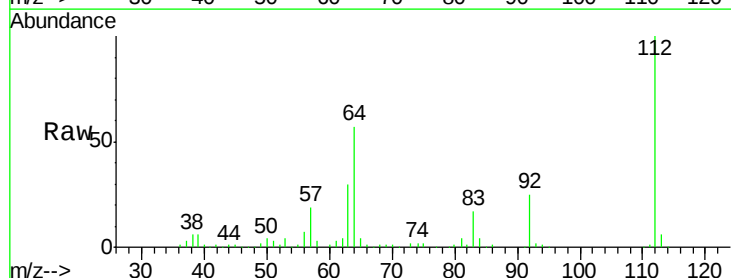
RT: 5.45 min Scan# 277

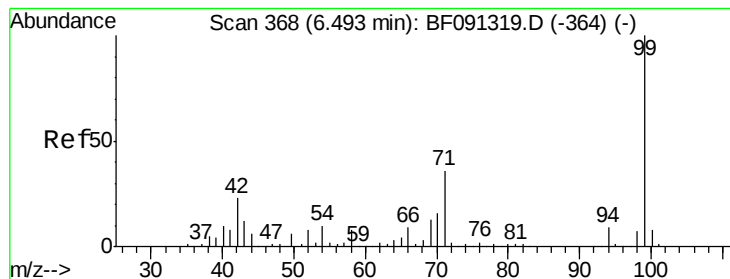
Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Tgt	Ion	Resp	Lower	Upper
112	100	226547		
64	57.3		61.5	92.3#
63	29.9		33.3	49.9#





#7

Phenol-d6

Concen: 24.53 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Instrument :

BNA_F

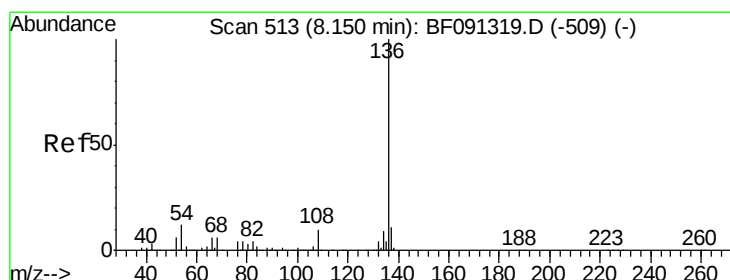
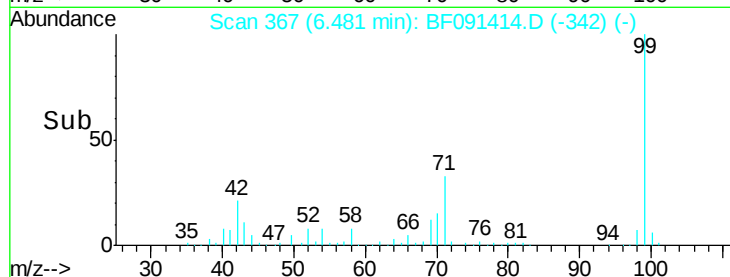
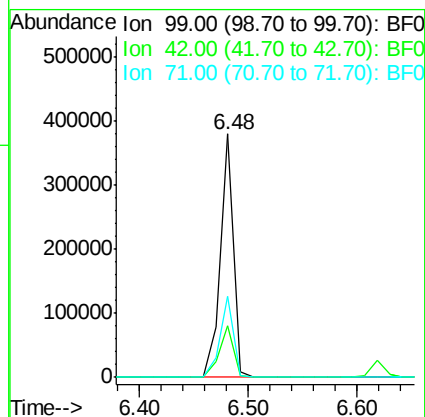
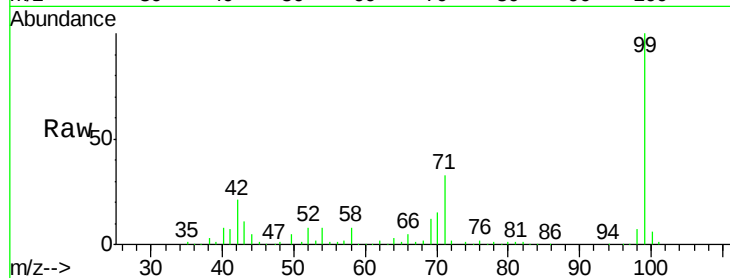
ClientSampled :

SB-01

Tgt Ion:	99	Resp:	322320
Ion Ratio	Lower	Upper	
99	100		
42	21.0	20.6	31.0
71	33.4	29.9	44.9

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#21

Naphthalene-d8

Concen: 20.00 ng

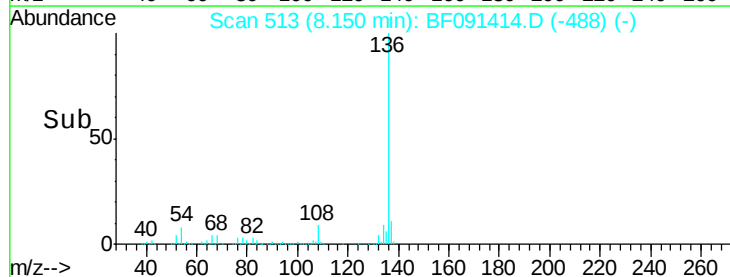
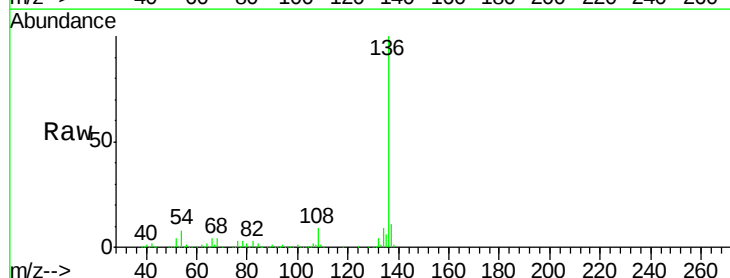
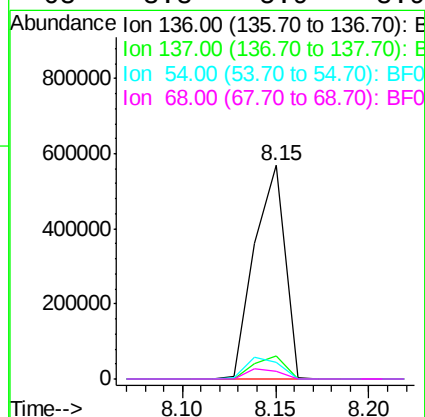
RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Tgt Ion:	136	Resp:	646839
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.1	13.7
54	7.6	9.1	13.7#
68	3.8	5.9	8.9#





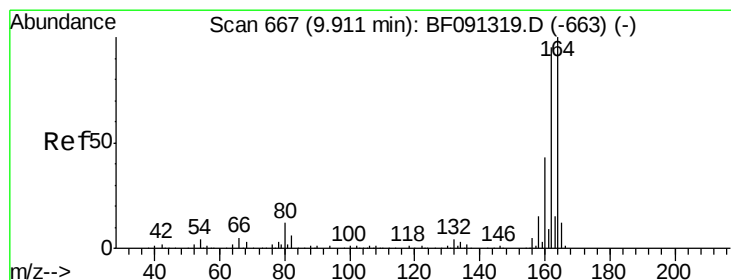
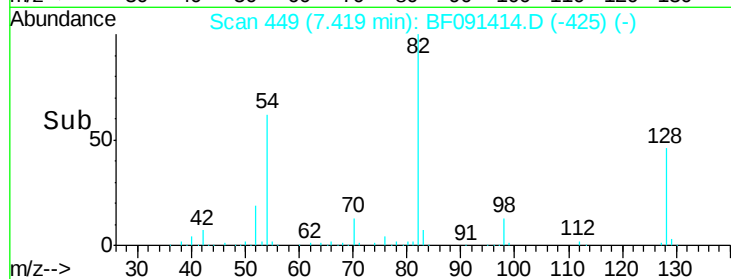
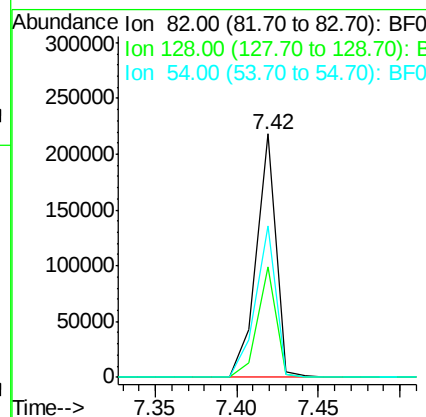
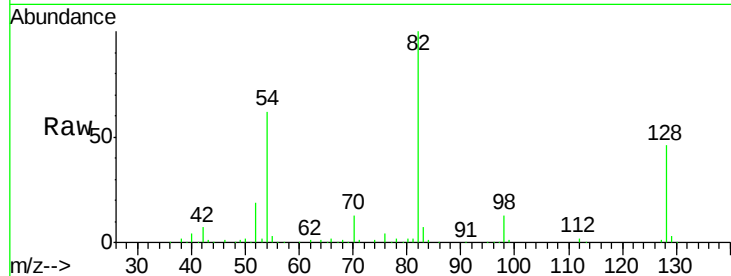
#23
Nitrobenzene-d5
Concen: 15.91 ng
RT: 7.42 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Instrument :
BNA_F
ClientSampled :
SB-01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	183599		
128	45.6	31.8	47.6	
54	62.4	49.1	73.7	

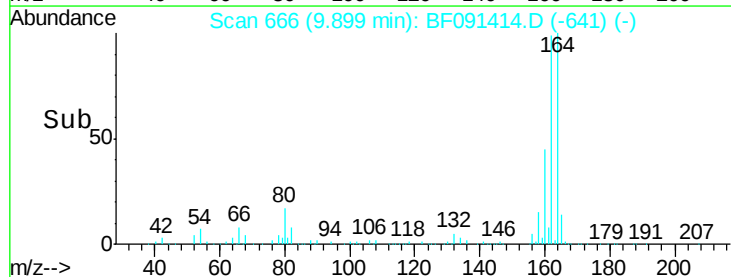
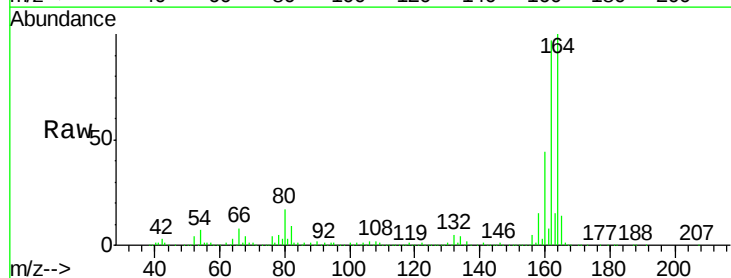
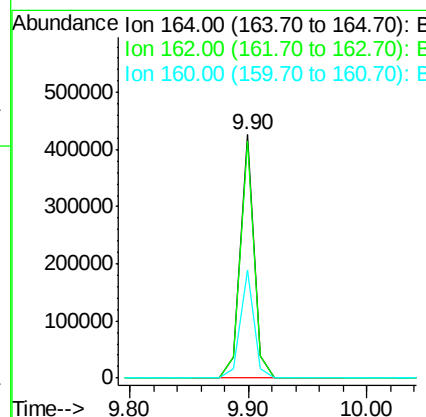
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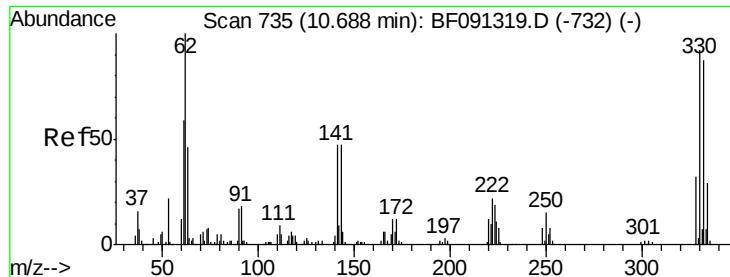
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	347261		
162	97.5	82.6	124.0	
160	44.2	36.7	55.1	





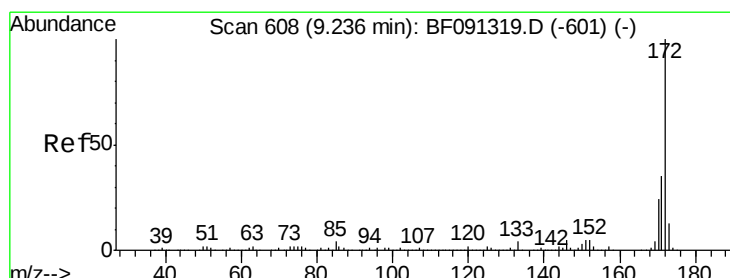
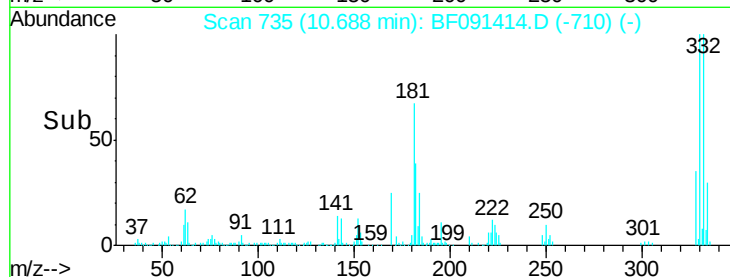
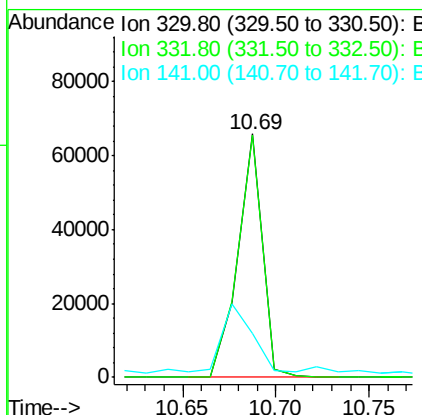
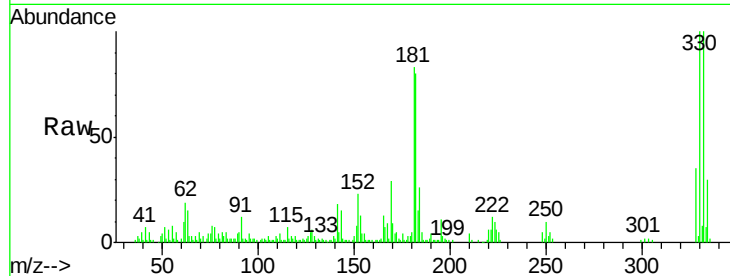
#41
 2,4,6-Tribromophenol
 Concen: 18.47 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091414.D
 Acq: 3 Dec 2016 2:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	60713		
332	100.1	76.2	114.4	
141	36.7	33.6	50.4	

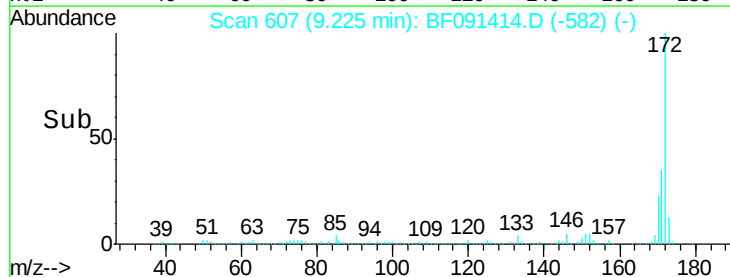
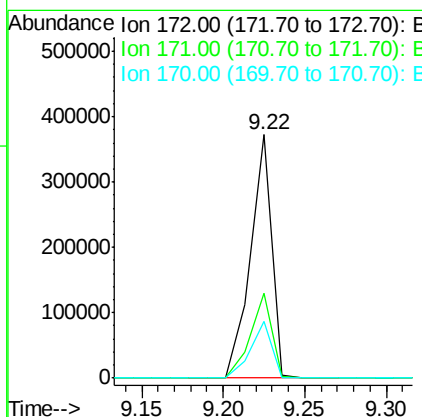
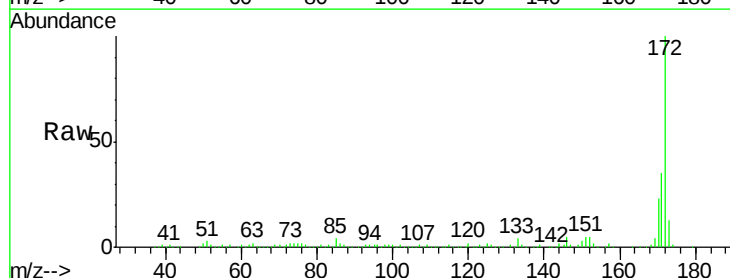
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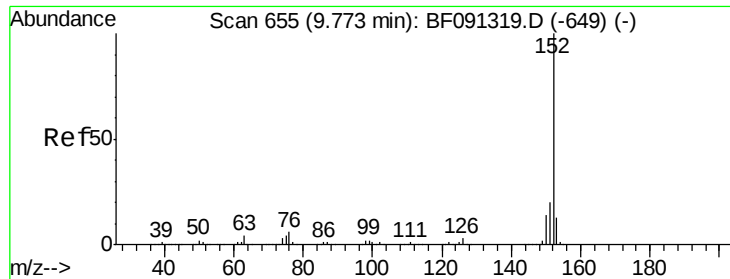
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#44
 2-Fluorobiphenyl
 Concen: 17.55 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091414.D
 Acq: 3 Dec 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	336643		
171	34.7	29.4	44.0	
170	23.5	19.7	29.5	





#48

Acenaphthylene

Concen: 12.67 ng

RT: 9.76 min Scan# 654

Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Instrument :

BNA_F

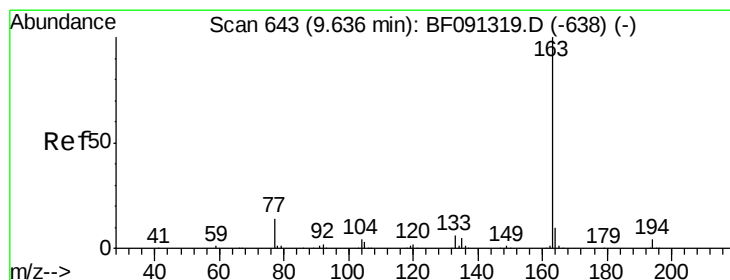
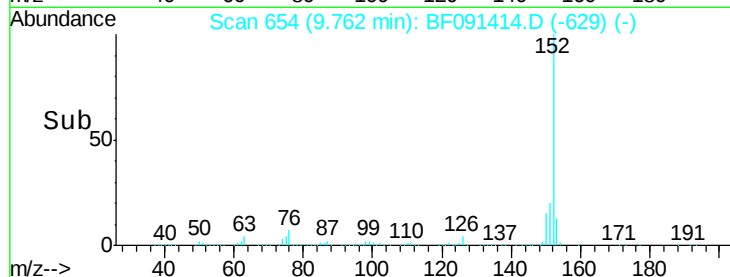
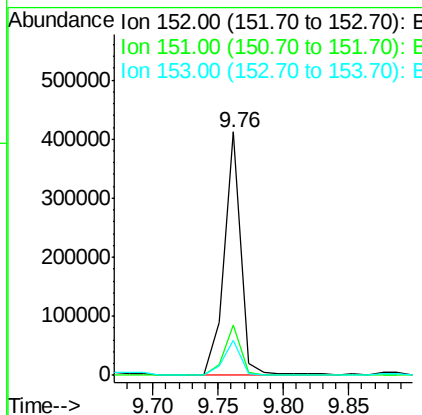
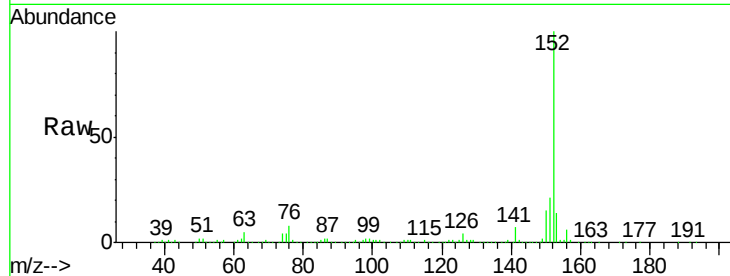
Client Sampled :

SB-01

Tgt Ion:	152	Resp:	370938
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.6	24.8
153	14.4	10.7	16.1

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#49

Dimethylphthalate

Concen: 2.43 ng

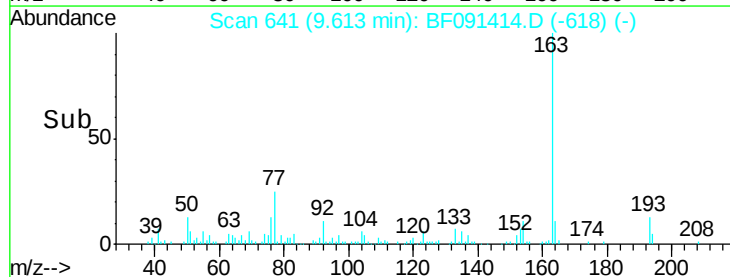
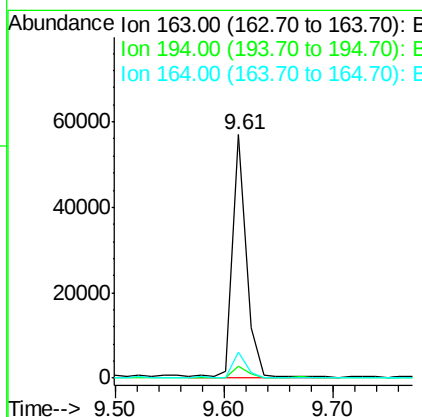
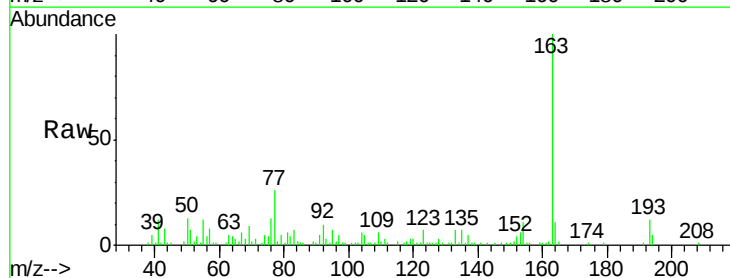
RT: 9.61 min Scan# 641

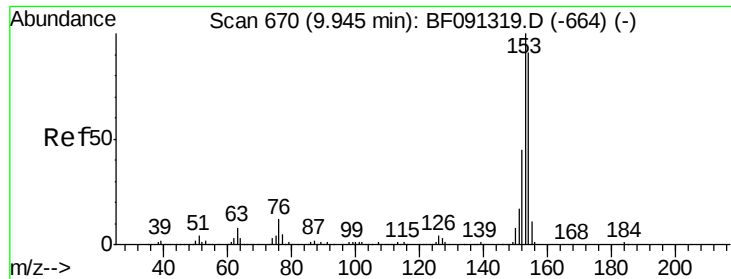
Delta R.T. -0.04 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Tgt Ion:	163	Resp:	51195
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.0	4.4#
164	10.6	7.8	11.8





#51

Acenaphthene

Concen: 3.78 ng

RT: 9.93 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Instrument :

BNA_F

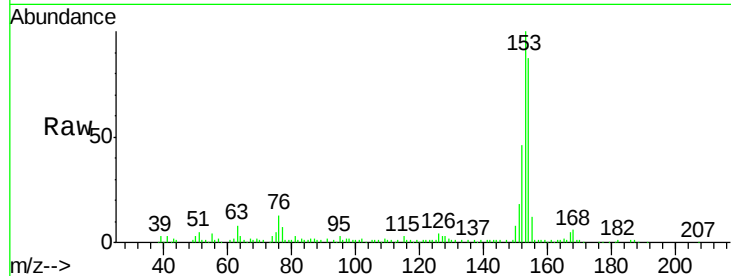
ClientSampleId :

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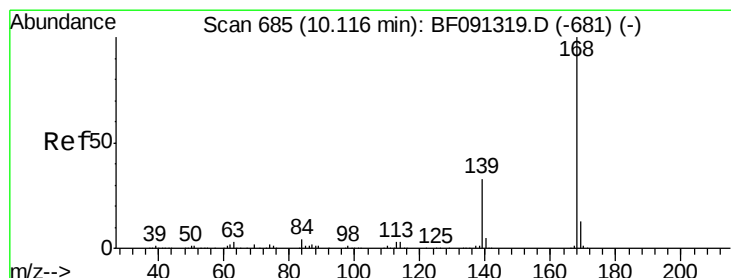
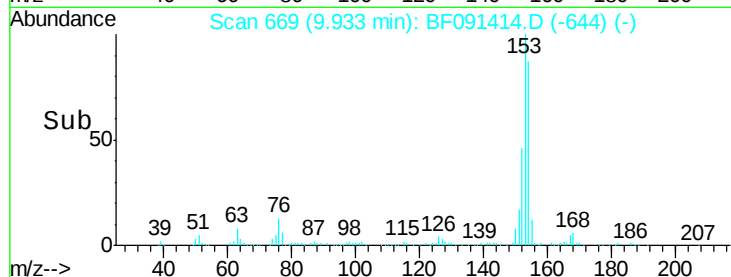
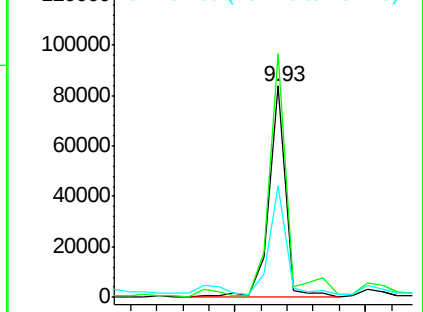
Tgt Ion:	154	Resp:	74658
Ion Ratio	Lower	Upper	
154	100		
153	115.2	91.0	136.6
152	53.1	44.2	66.2

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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

Dibenzofuran

Concen: 3.94 ng

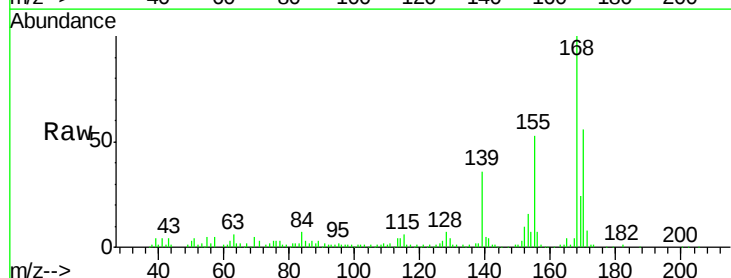
RT: 10.10 min Scan# 684

Delta R.T. -0.02 min

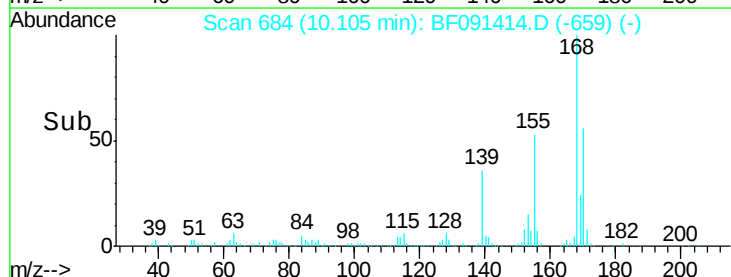
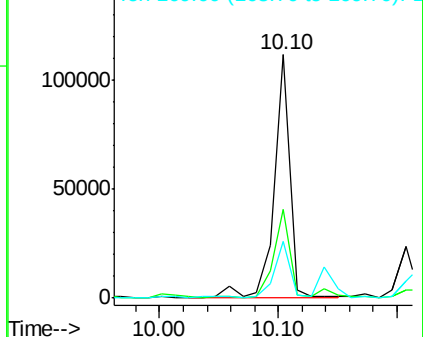
Lab File: BF091414.D

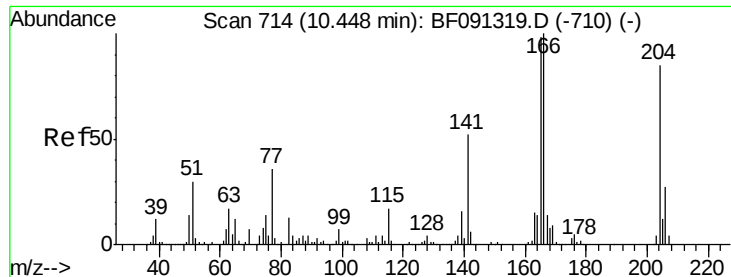
Acq: 3 Dec 2016 2:47

Tgt Ion:	168	Resp:	104292
Ion Ratio	Lower	Upper	
168	100		
139	36.2	33.4	50.2
169	23.6	11.1	16.7#



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: 10.21 ng m

RT: 10.45 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Instrument :

BNA_F

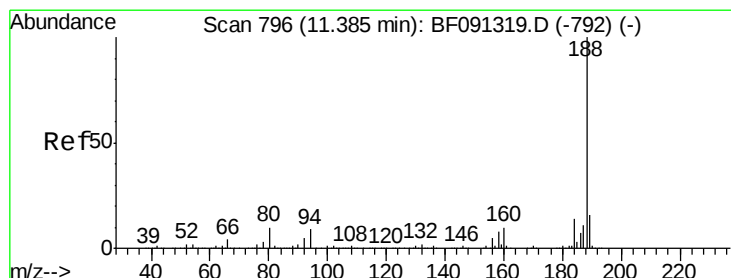
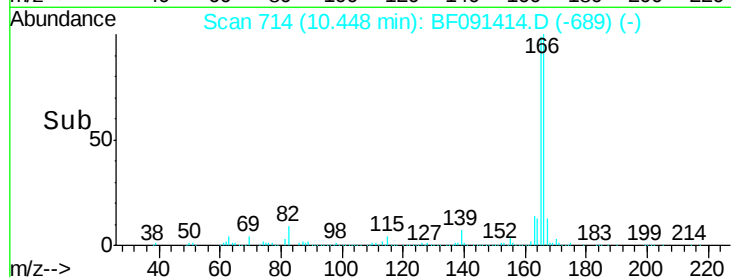
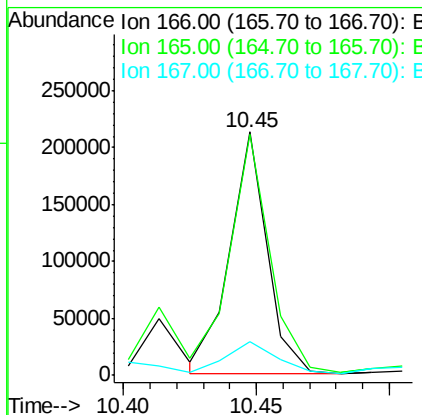
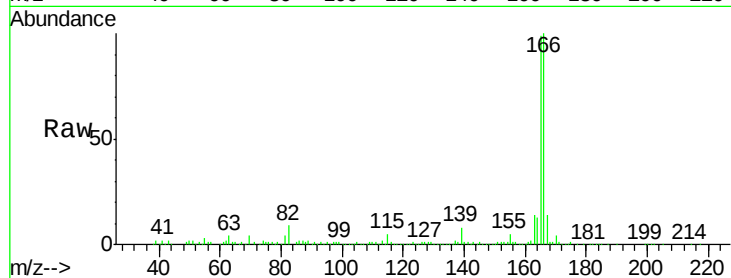
ClientSampled :

SB-01

Tgt Ion:	166	Resp:	207317
Ion Ratio		Lower	Upper
166	100		
165	99.1	80.0	120.0
167	13.6	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

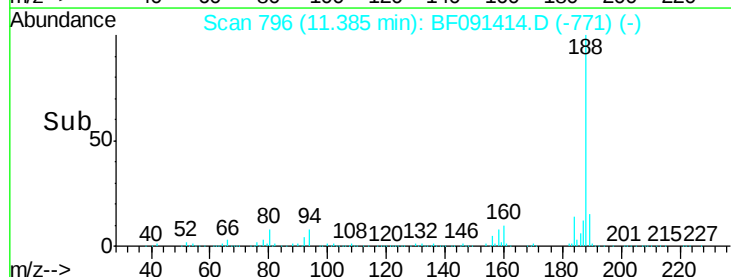
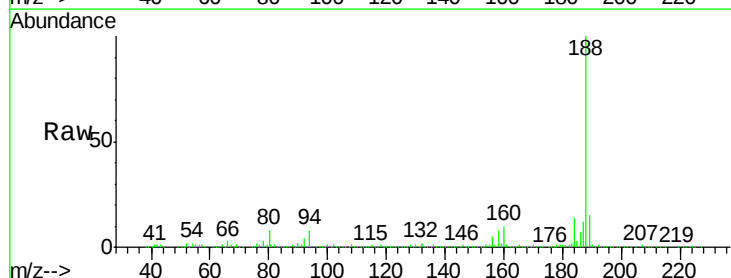
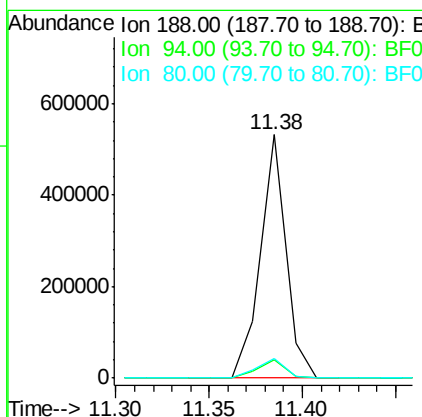
RT: 11.38 min Scan# 796

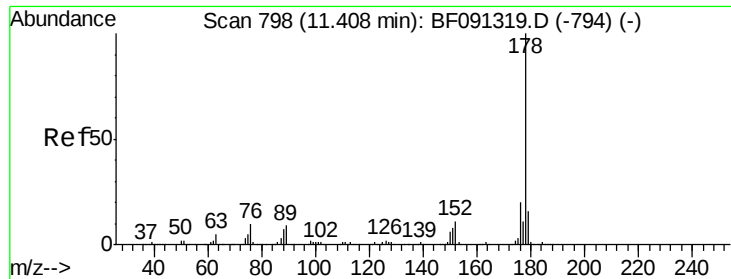
Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Tgt Ion:	188	Resp:	505123
Ion Ratio		Lower	Upper
188	100		
94	7.7	9.2	13.8#
80	8.2	10.5	15.7#





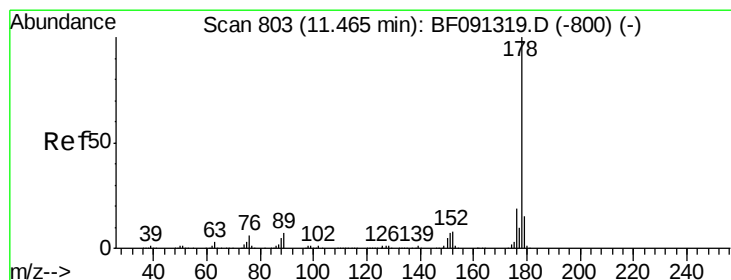
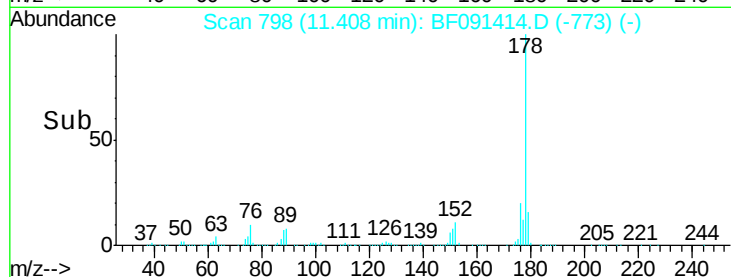
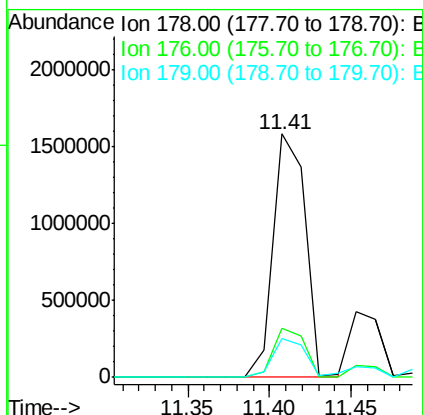
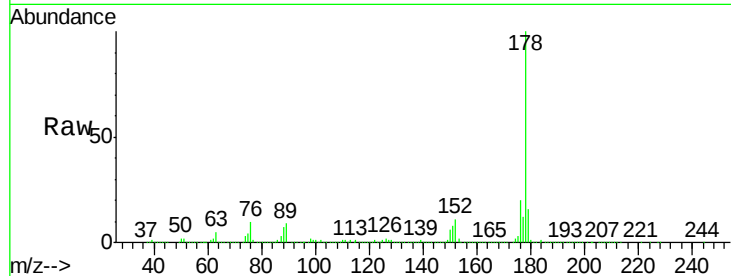
#70
Phenanthrene
Concen: 82.35 ng
RT: 11.41 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:178 Resp: 2161402
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 16.1 12.6 18.8

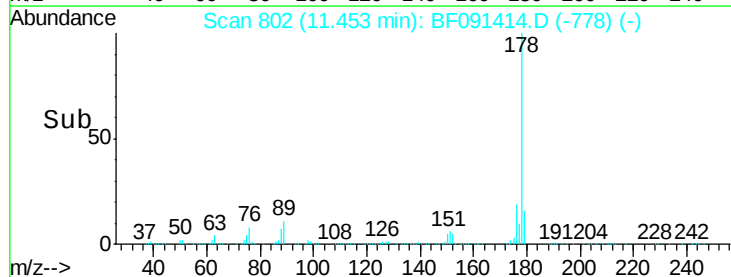
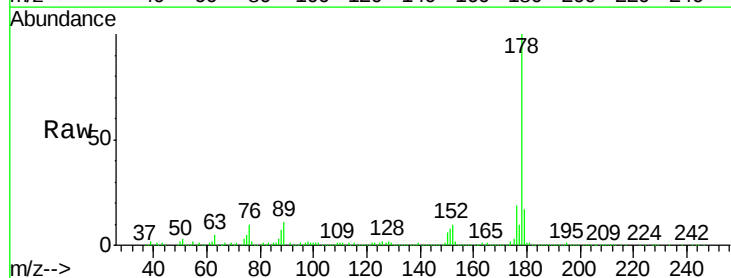
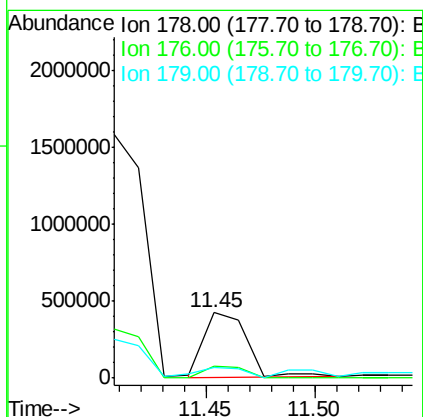
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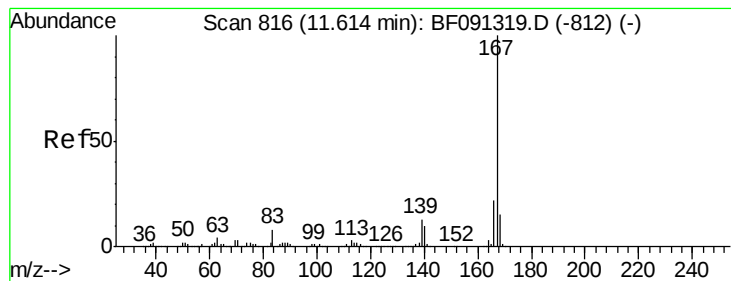
sohil
12/5/2016 11:21:12 AM



#71
Anthracene
Concen: 22.08 ng
RT: 11.45 min Scan# 802
Delta R.T. -0.03 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Tgt Ion:178 Resp: 575235
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 16.6 12.7 19.1





#72

Carbazole

Concen: 4.28 ng

RT: 11.61 min Scan# 816

Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Instrument :

BNA_F

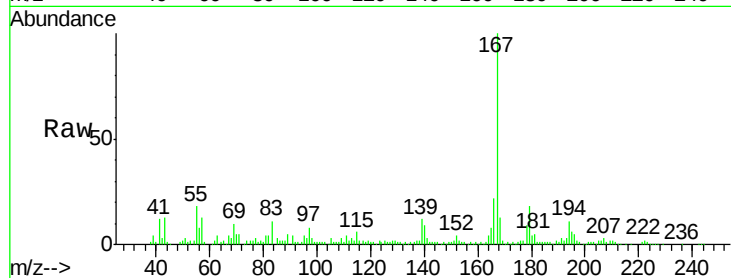
ClientSampled :

SB-01

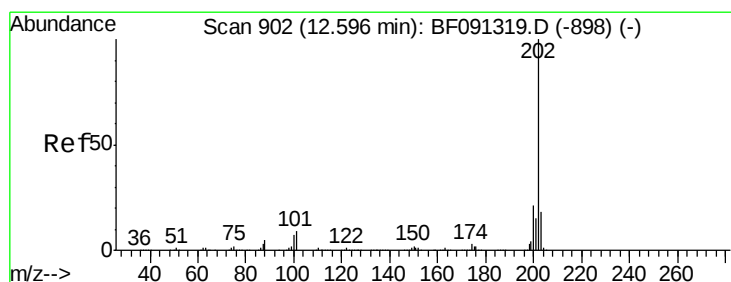
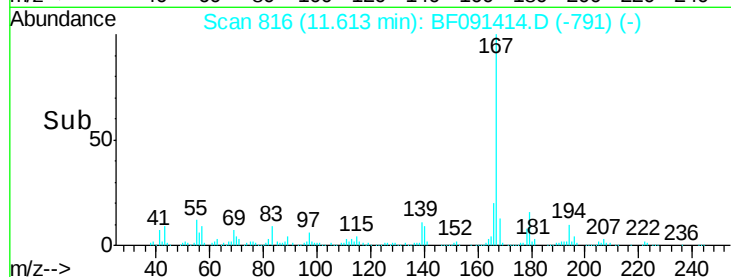
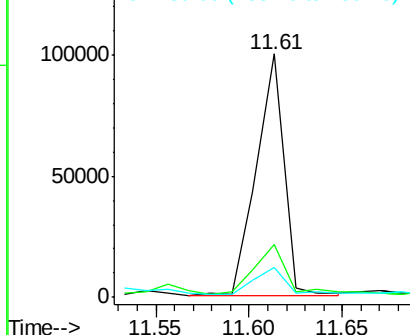
Tgt Ion:	167	Resp:	101146
Ion Ratio		Lower	Upper
167	100		
166	21.6	18.1	27.1
139	12.3	11.5	17.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 129.95 ng

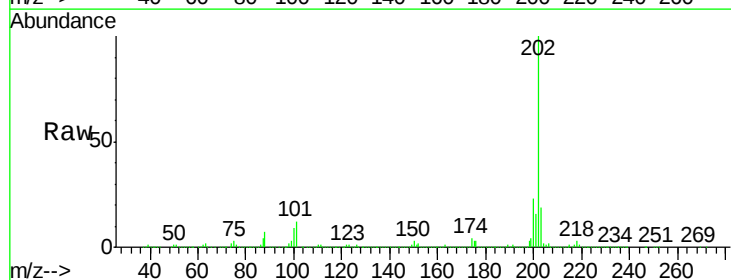
RT: 12.61 min Scan# 903

Delta R.T. -0.01 min

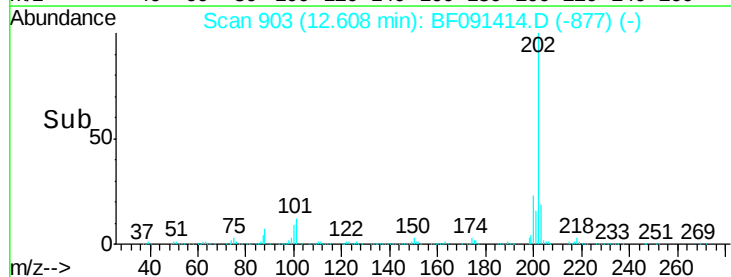
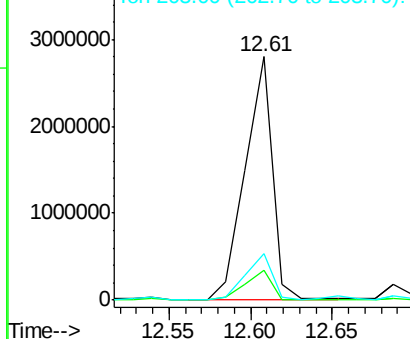
Lab File: BF091414.D

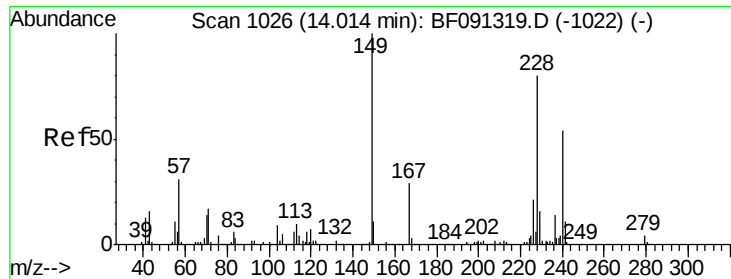
Acq: 3 Dec 2016 2:47

Tgt Ion:	202	Resp:	3230810
Ion Ratio		Lower	Upper
202	100		
101	12.5	0.0	29.5
203	19.2	0.0	37.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





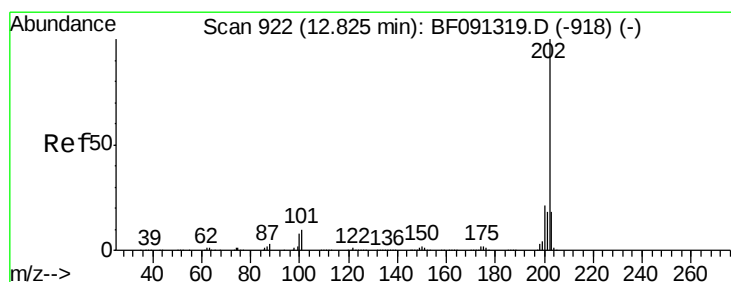
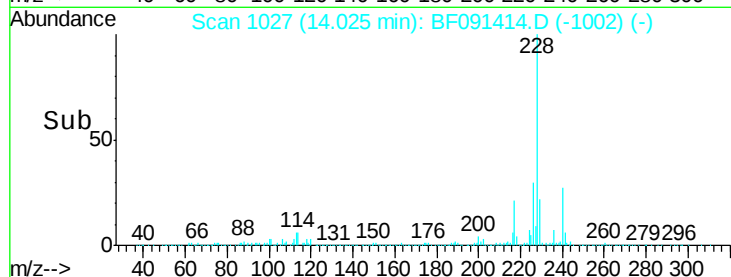
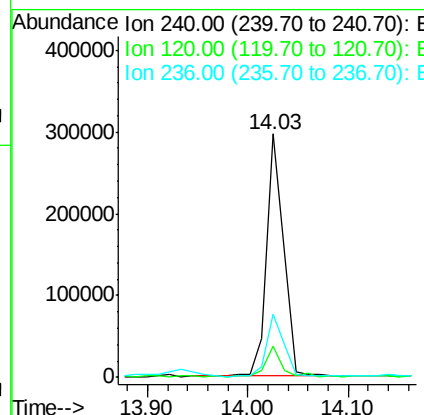
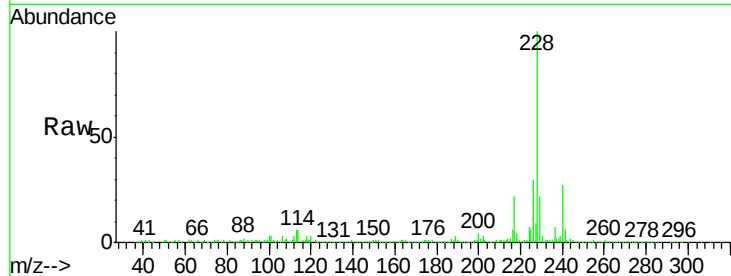
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.5	12.1	18.1
236	26.0	21.0	31.6

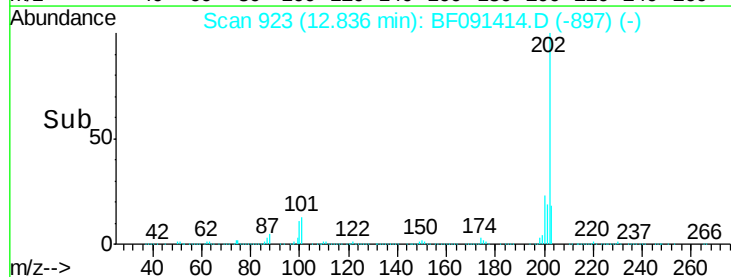
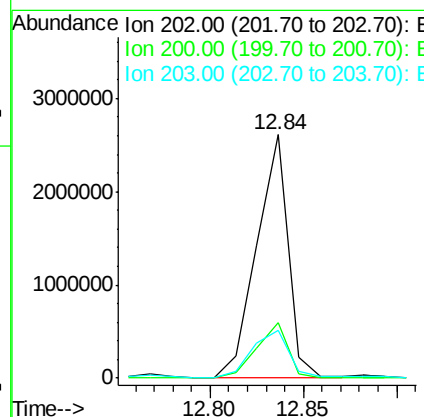
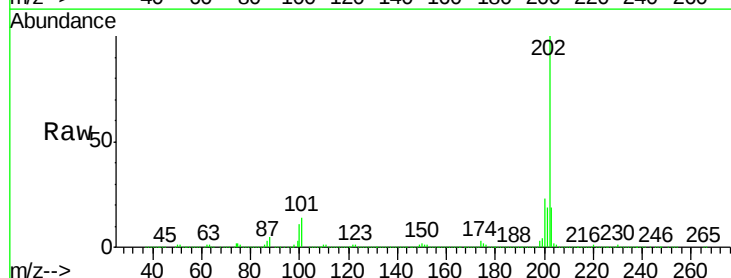
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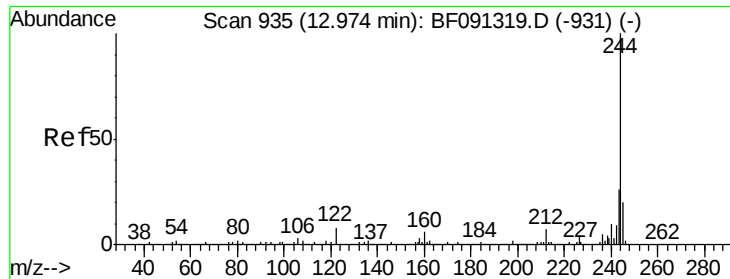
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#77
Pyrene
Concen: 116.65 ng
RT: 12.84 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.9	17.6	26.4
203	19.4	14.0	21.0





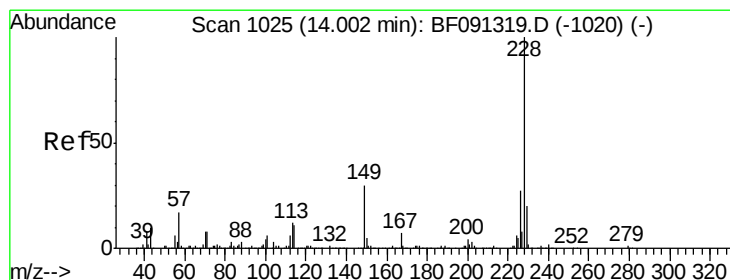
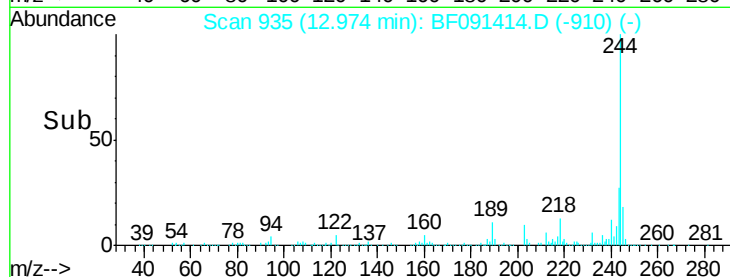
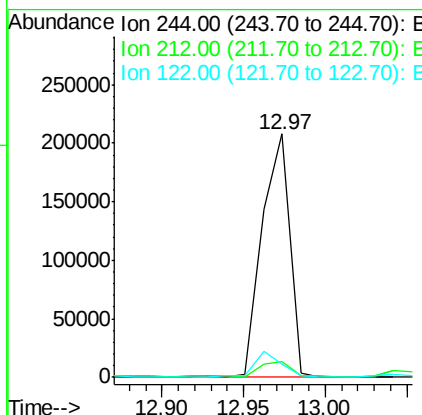
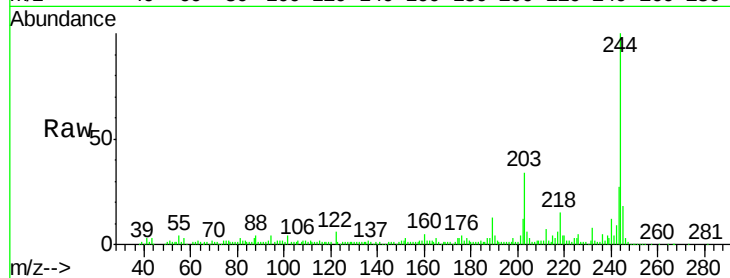
#78
 Terphenyl-d14
 Concen: 15.51 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF091414.D
 Acq: 3 Dec 2016 2:47

Instrument :
 BNA_F
 ClientSampled :
 SB-01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.5	9.7
122	5.7	9.5	14.3#

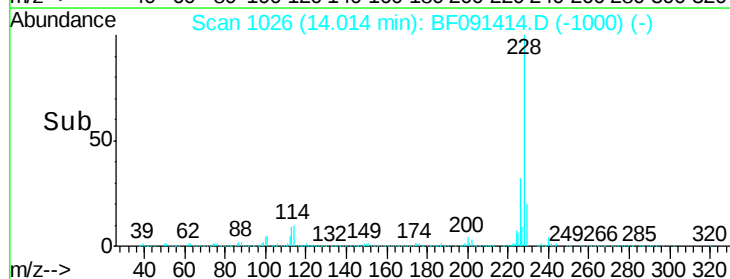
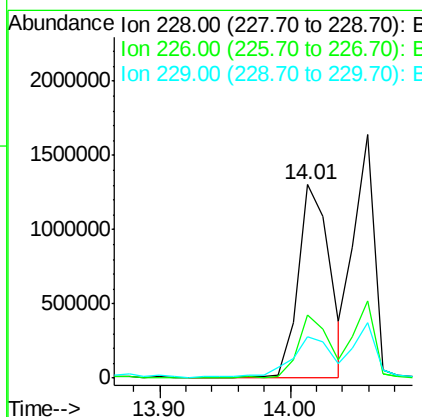
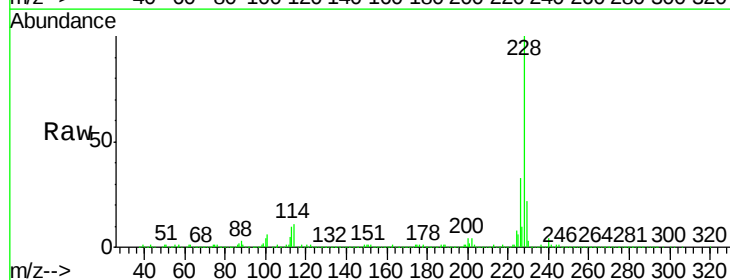
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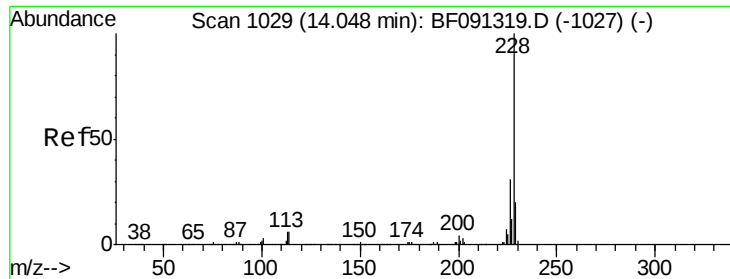
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#80
 Benzo(a)anthracene
 Concen: 107.80 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BF091414.D
 Acq: 3 Dec 2016 2:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.5	33.7
229	21.7	16.4	24.6





#82

Chrysene

Concen: 88.55 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Instrument :

BNA_F

ClientSampled :

SB-01

Tgt Ion:228 Resp: 1776998

Ion Ratio Lower Upper

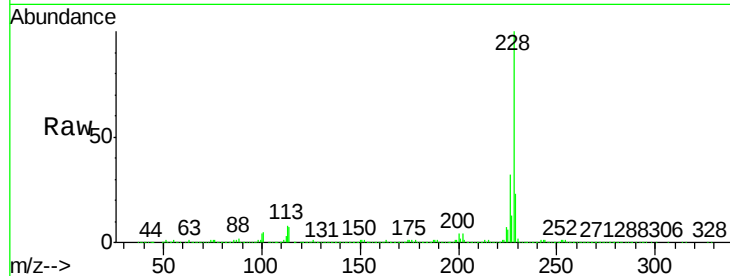
228 100

226 31.6 25.0 37.4

229 23.0 16.0 24.0

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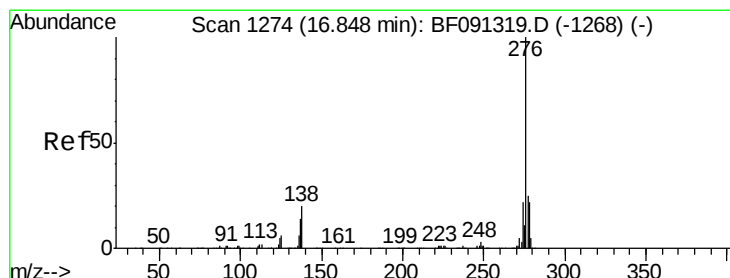
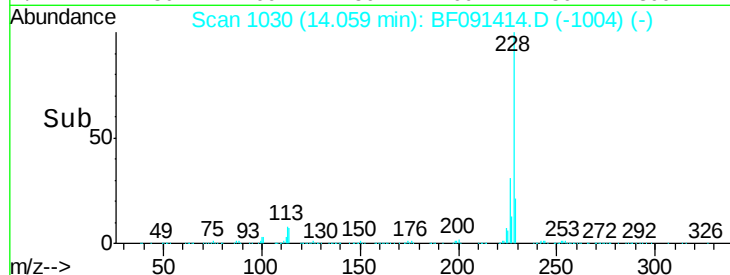
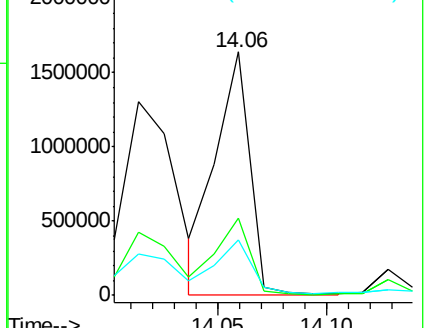
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 41.61 ng

RT: 16.87 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF091414.D

Acq: 3 Dec 2016 2:47

Tgt Ion:276 Resp: 764671

Ion Ratio Lower Upper

276 100

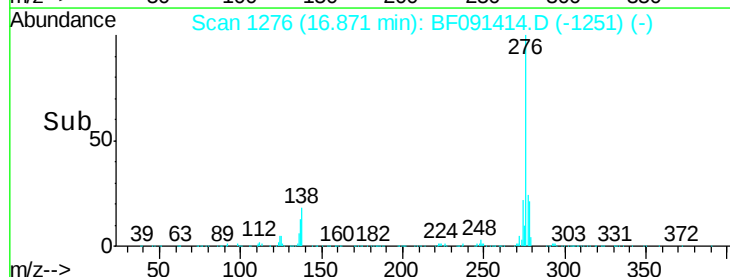
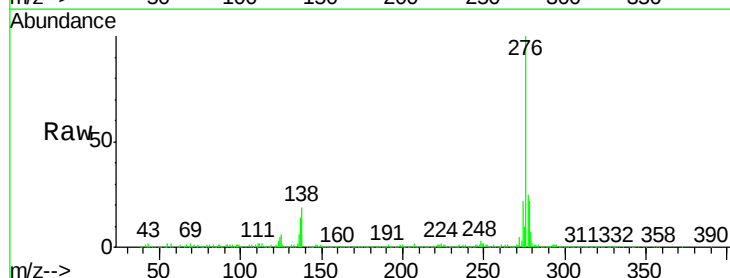
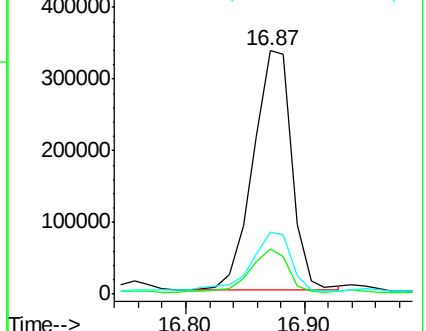
138 17.5 21.0 31.4#

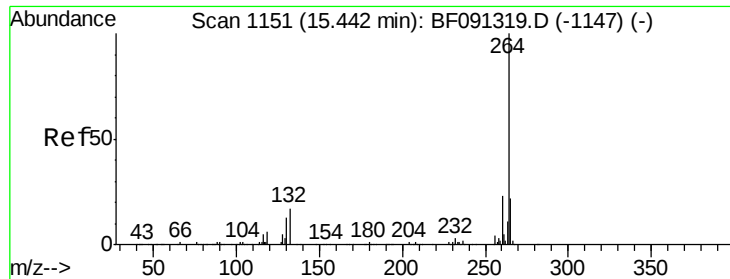
277 25.8 20.2 30.2

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





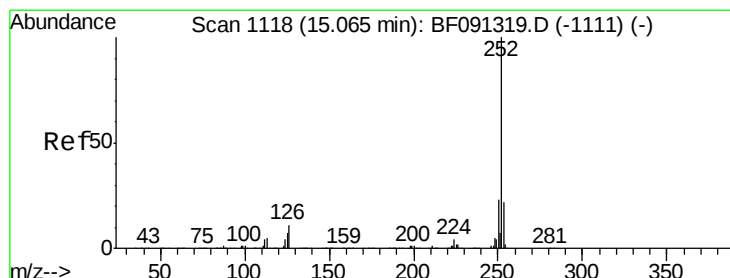
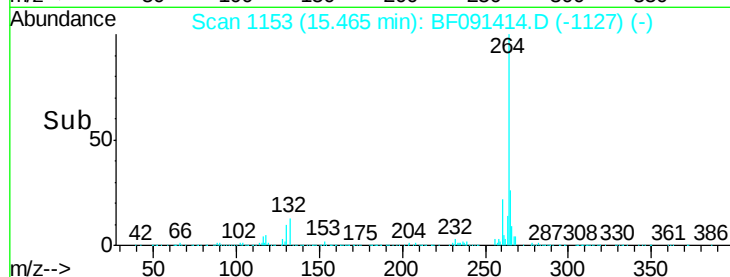
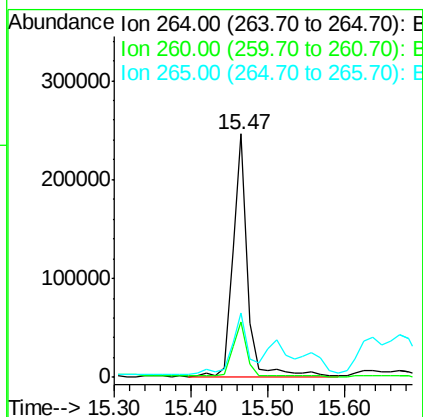
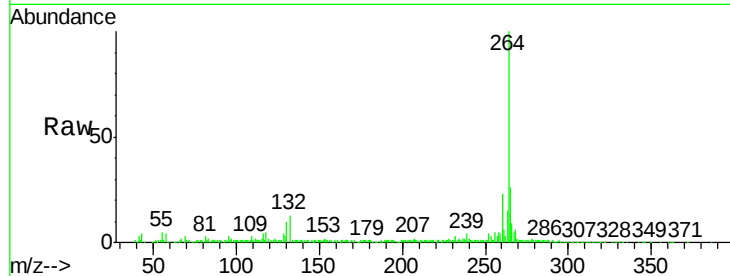
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	329574		
260	22.7	18.8	28.2	
265	26.3	17.0	25.6	

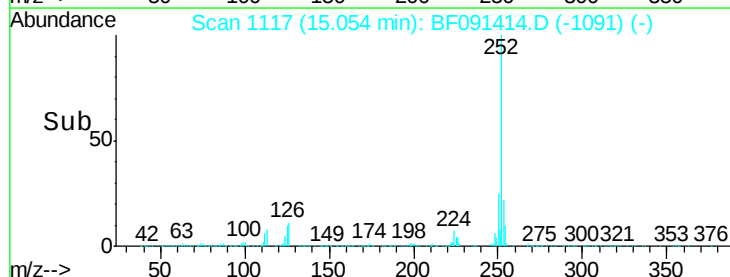
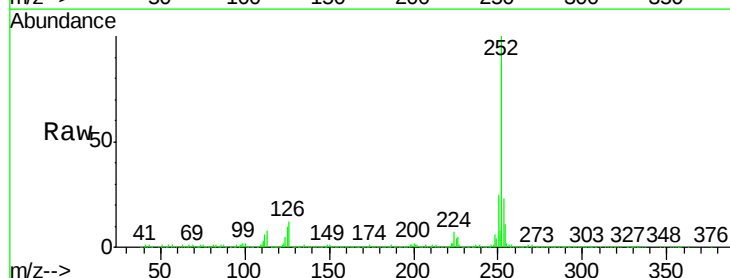
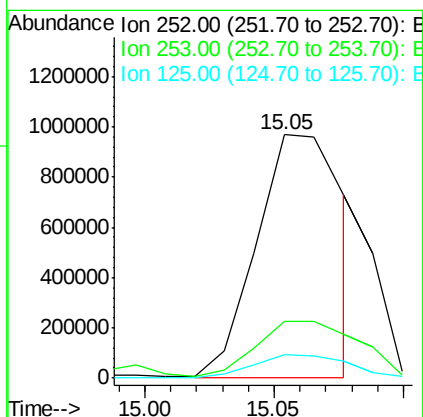
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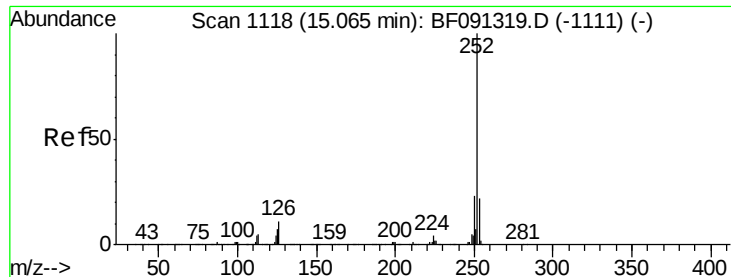
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#87
Benzo(b)fluoranthene
Concen: 109.29 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	2238791		
253	23.1	18.2	27.2	
125	9.9	8.6	13.0	





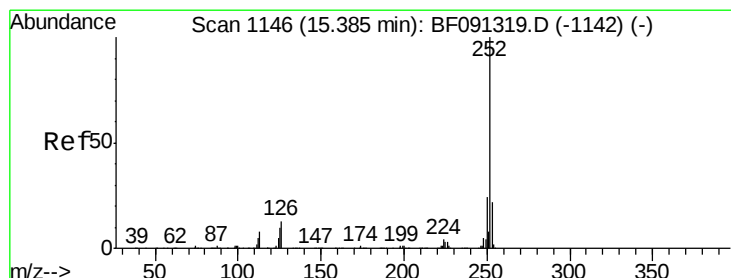
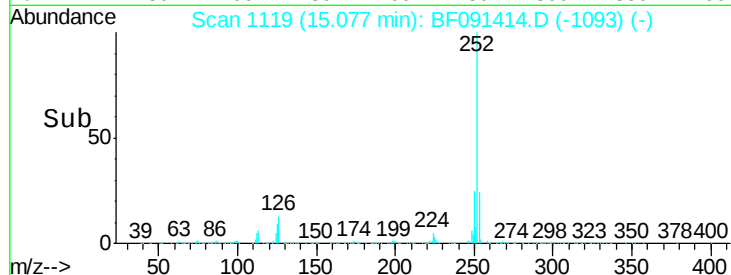
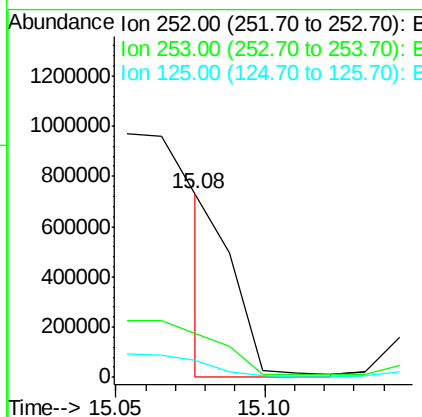
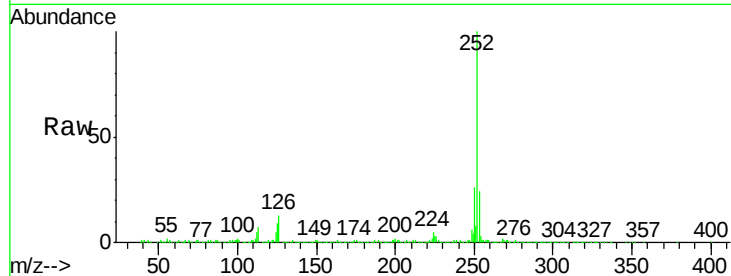
#88
Benzo(k)fluoranthene
Concen: 22.02 ng m
RT: 15.08 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Instrument :
BNA_F
ClientSampled :
SB-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	9.5	9.6	14.4

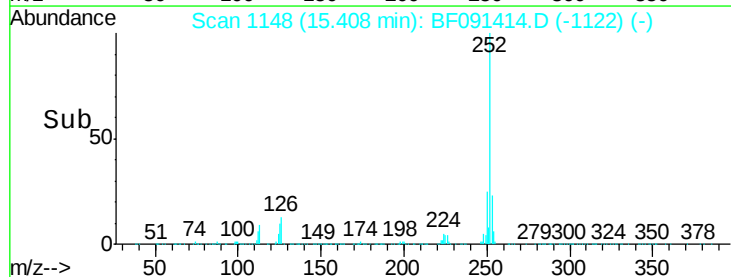
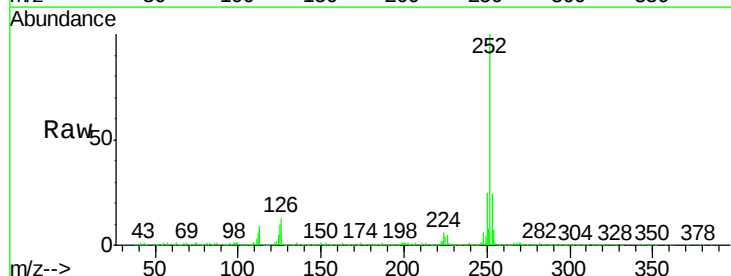
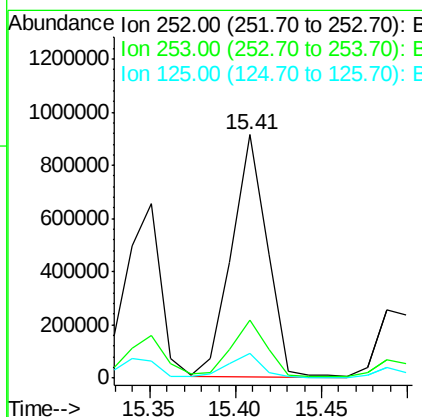
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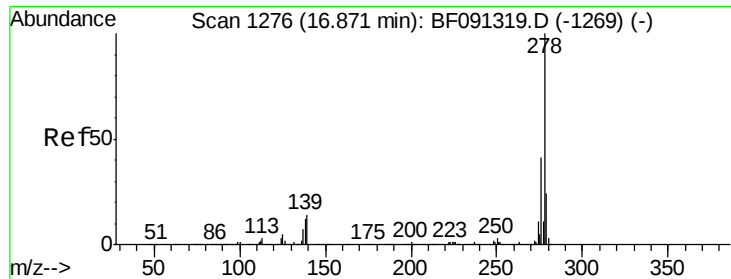
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#89
Benzo(a)pyrene
Concen: 71.06 ng m
RT: 15.41 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	10.1	10.4	15.6





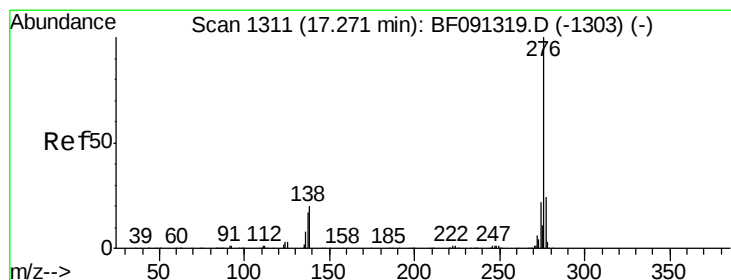
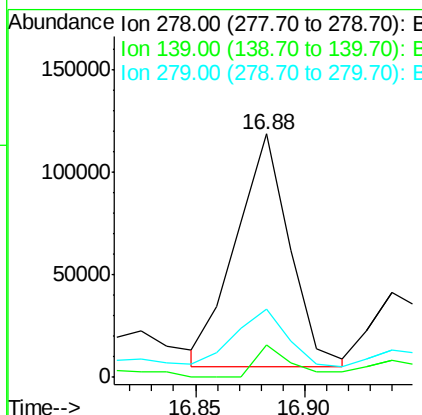
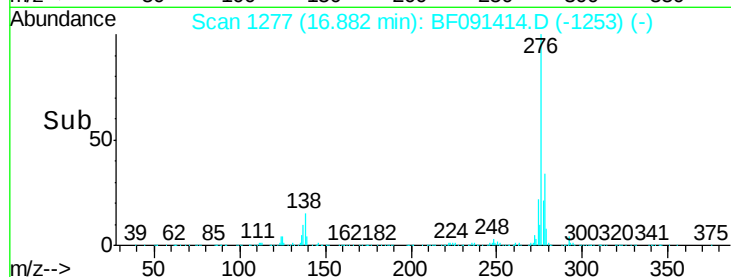
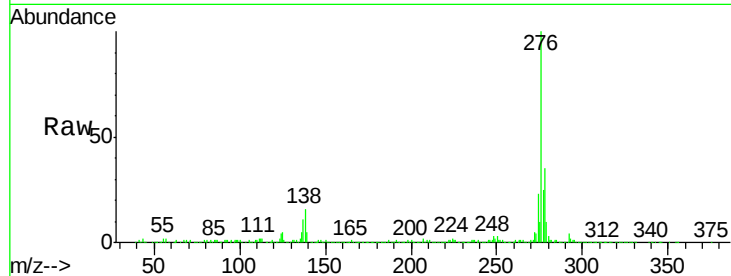
#90
Dibenzo(a,h)anthracene
Concen: 11.43 ng m
RT: 16.88 min Scan# 1277
Delta R.T. -0.03 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.1	15.1	22.7#
279	27.8	19.0	28.6

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#91
Benzo(g,h,i)perylene
Concen: 39.73 ng
RT: 17.31 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF091414.D
Acq: 3 Dec 2016 2:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	15.4	15.4	23.0

