

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091036.D
 Acq On : 4 Nov 2016 22:30
 Operator : UM/SJ
 Sample : H5526-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-99-1.0-1.5

Manual Integrations
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Quant Time: Nov 07 04:58:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	227348	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	851889	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	439270	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	583242	20.00	ng	0.00
75) Chrysene-d12	13.87	240	496879	20.00	ng	0.01
86) Perylene-d12	15.27	264	438632	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1851184	134.48	ng	0.02
7) Phenol-d6	6.36	99	2054047	109.93	ng	0.01
23) Nitrobenzene-d5	7.28	82	1369357	87.69	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	449724	113.24	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1922576	75.35	ng	0.00
78) Terphenyl-d14	12.81	244	1534191	77.05	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.60	152	121233	3.19	ng	98
49) Dimethylphthalate	9.47	163	691257	24.00	ng	99
51) Acenaphthene	9.77	154	89915	3.77	ng	99
54) Dibenzofuran	9.95	168	137956	4.30	ng	# 89
57) Fluorene	10.28	166	136604	5.21	ng	99
70) Phenanthrene	11.25	178	3640645	117.42	ng	96
71) Anthracene	11.30	178	753116	22.85	ng	99
72) Carbazole	11.46	167	457279	15.39	ng	98
74) Fluoranthene	12.45	202	4601063	143.09	ng	93
77) Pyrene	12.68	202	4422443	135.91	ng	97
80) Benzo(a)anthracene	13.86	228	3087615	109.45	ng	96
82) Chrysene	13.91	228	2394287	86.07	ng	94
85) Indeno(1,2,3-cd)pyrene	16.59	276	1571226	68.08	ng	# 92
87) Benzo(b)fluoranthene	14.89	252	4111376m	138.20	ng	
88) Benzo(k)fluoranthene	14.90	252	864511m	33.13	ng	
89) Benzo(a)pyrene	15.22	252	2409312	93.03	ng	95
90) Dibenzo(a,h)anthracene	16.59	278	426111m	19.03	ng	
91) Benzo(g,h,i)perylene	16.99	276	1328794	65.63	ng	96

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

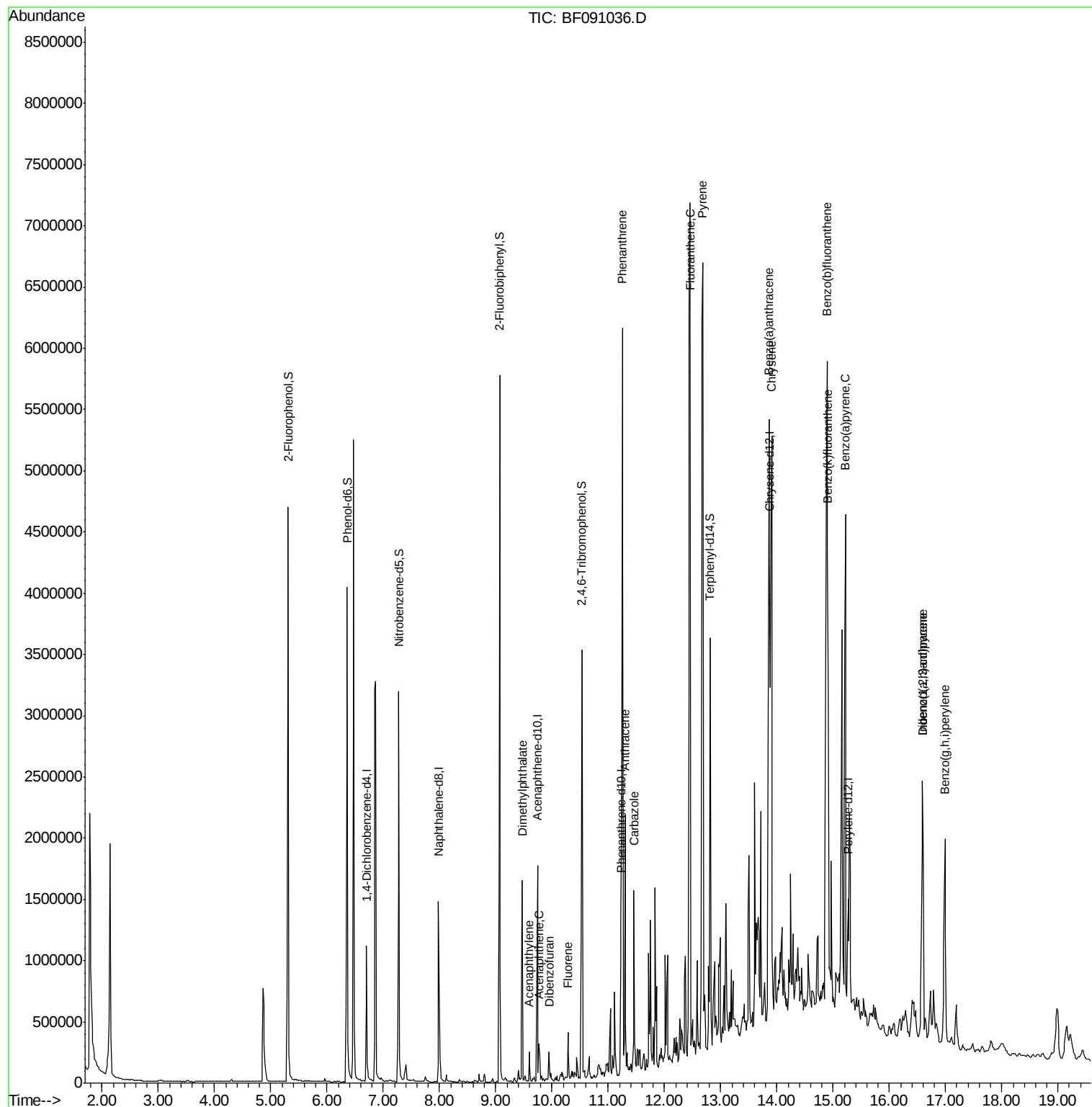
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
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ALS Vial : 28 Sample Multiplier: 1

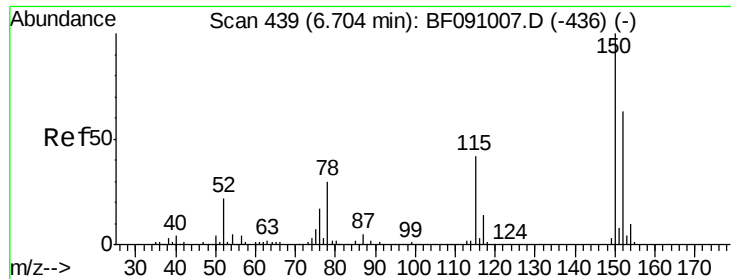
Instrument :
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SB-99-1.0-1.5

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Quant Time: Nov 07 04:58:53 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

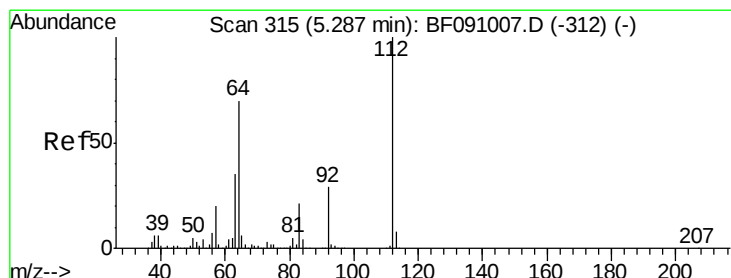
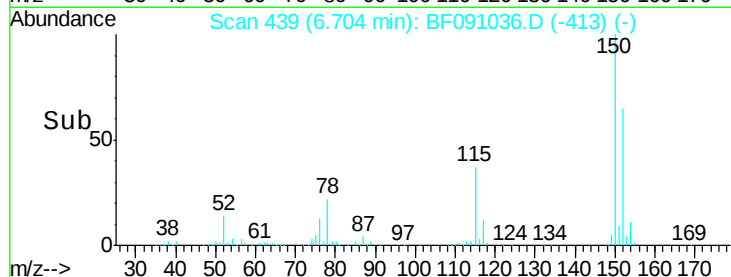
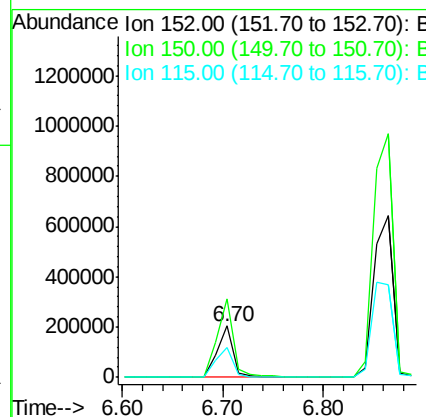
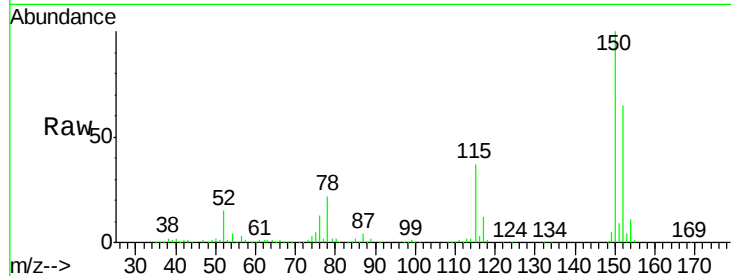
ClientSampleId :

SB-99-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.8	190.2
115	57.6	53.3	79.9

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#5

2-Fluorophenol

Concen: 134.48 ng

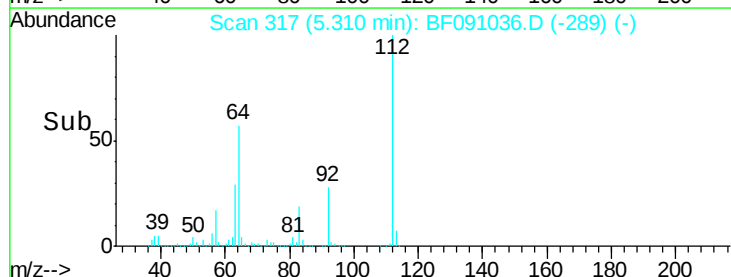
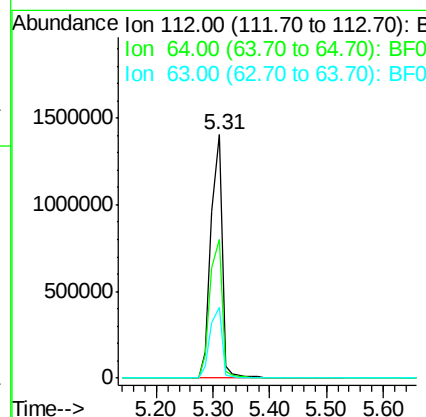
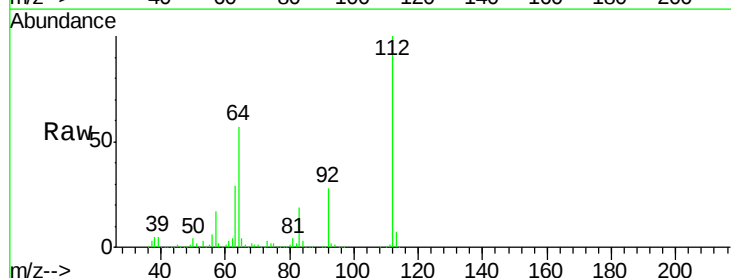
RT: 5.31 min Scan# 317

Delta R.T. 0.02 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	55.8	83.6
63	29.1	28.0	42.0





#7

Phenol-d6

Concen: 109.93 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

ClientSampleId :

SB-99-1.0-1.5

Tgt Ion: 99 Resp: 2054047

Ion Ratio Lower Upper

99 100

42 15.4 13.9 20.9

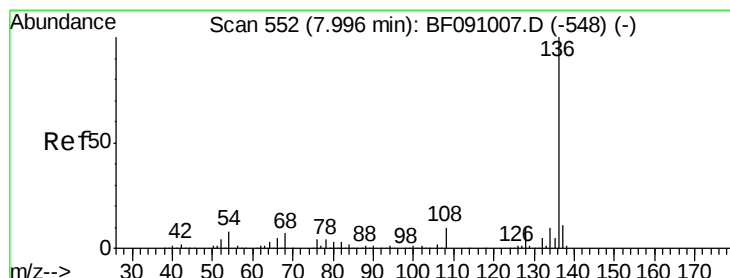
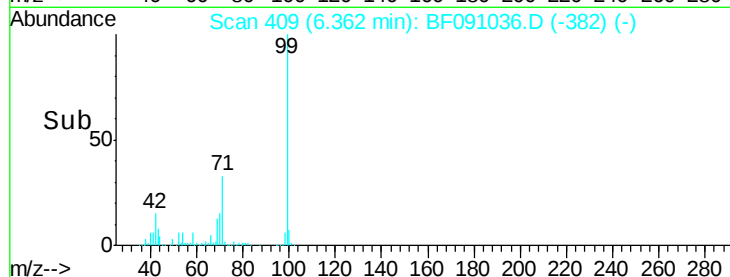
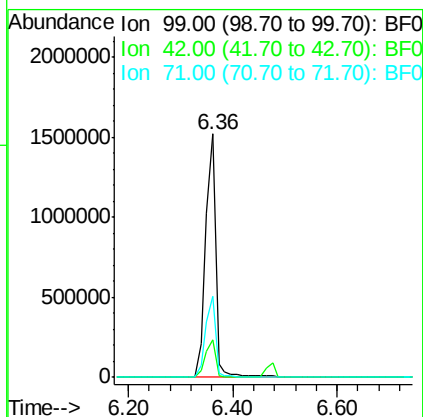
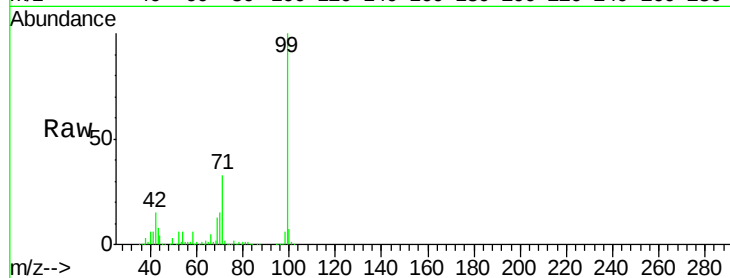
71 33.3 27.8 41.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Tgt Ion: 136 Resp: 851889

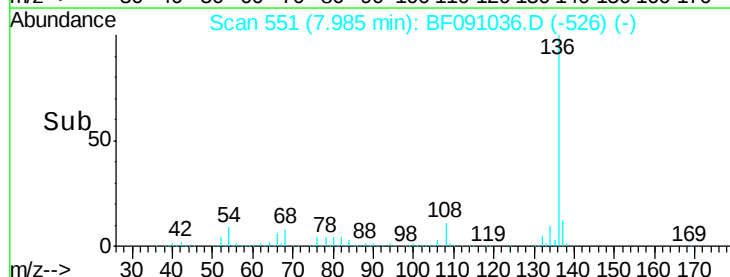
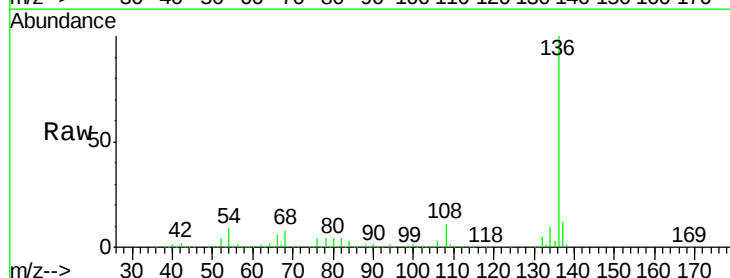
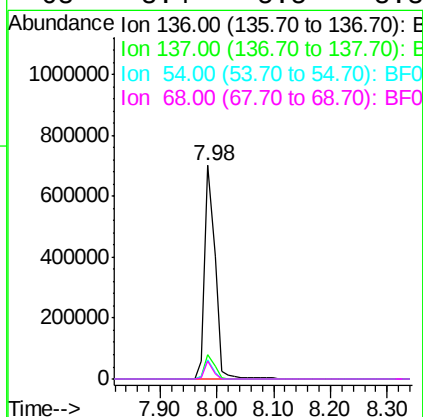
Ion Ratio Lower Upper

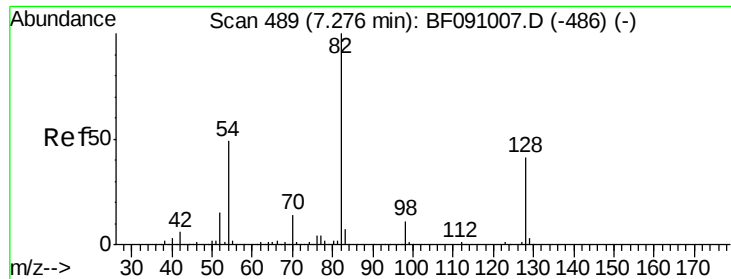
136 100

137 11.6 8.9 13.3

54 9.1 6.2 9.2

68 8.4 5.5 8.3#





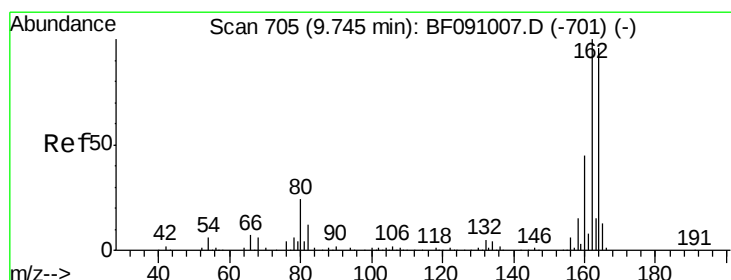
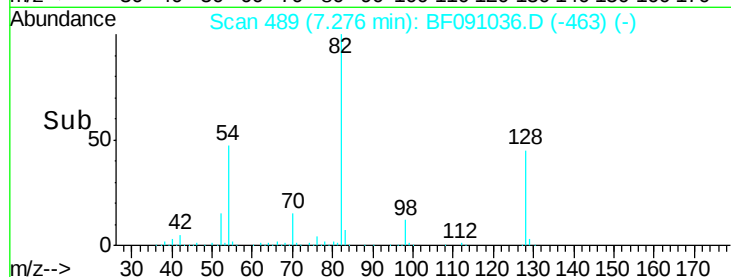
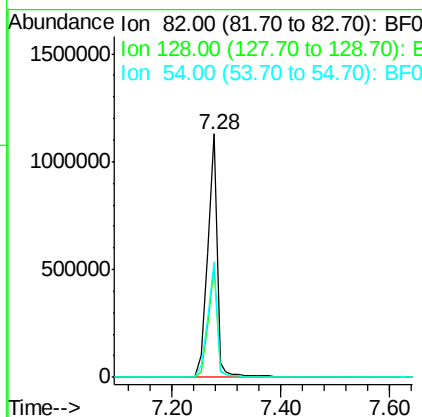
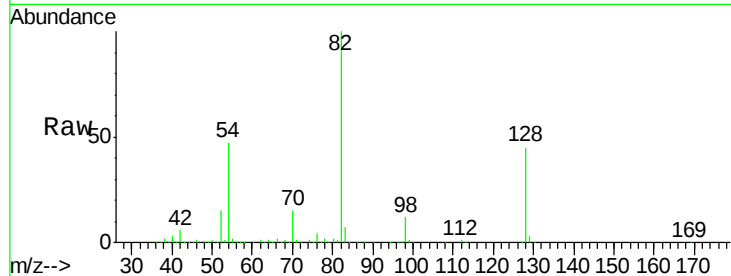
#23
Nitrobenzene-d5
Concen: 87.69 ng
RT: 7.28 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Instrument :
BNA_F
ClientSampleId :
SB-99-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.4	32.4	48.6
54	47.3	39.2	58.8

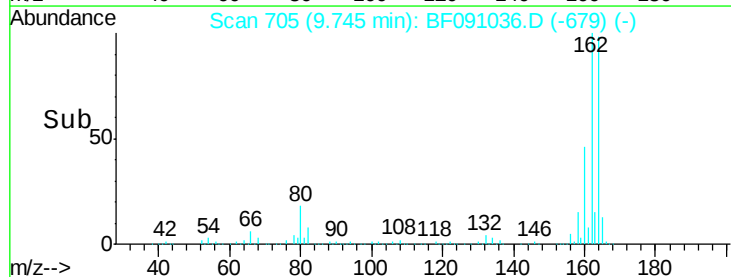
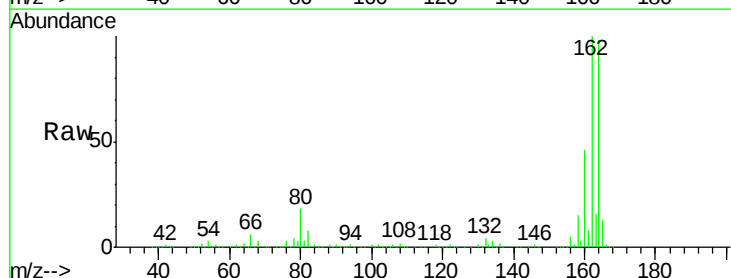
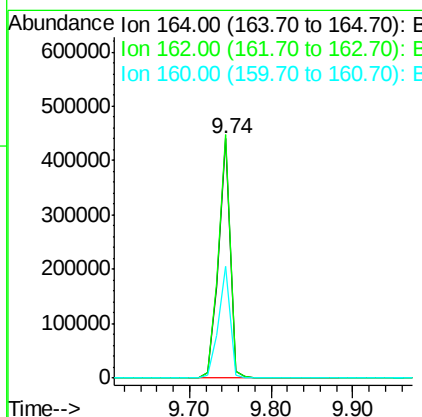
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.6	125.4
160	46.4	37.9	56.9





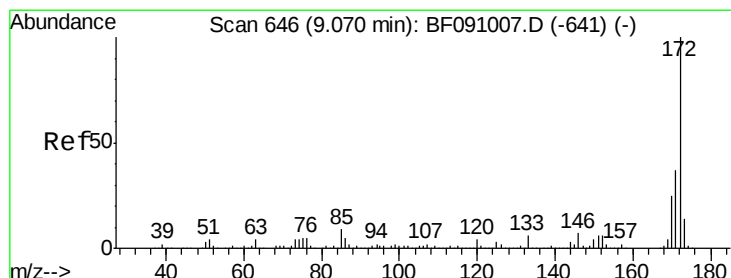
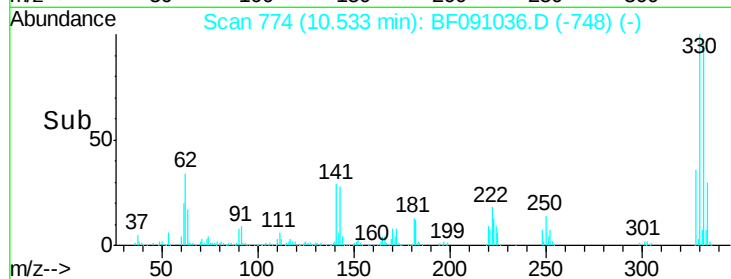
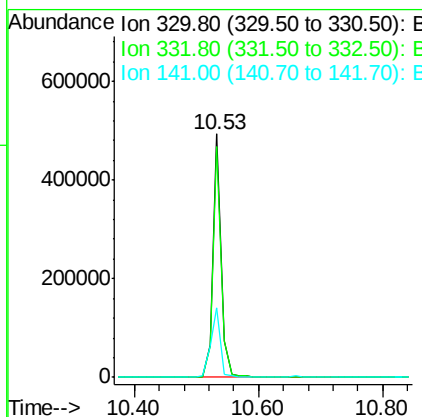
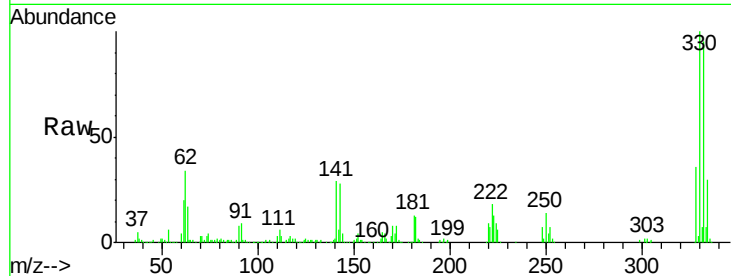
#41
 2,4,6-Tribromophenol
 Concen: 113.24 ng
 RT: 10.53 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF091036.D
 Acq: 4 Nov 2016 22:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-99-1.0-1.5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	449724		
332	95.4	75.9	113.9	
141	33.5	36.1	54.1#	

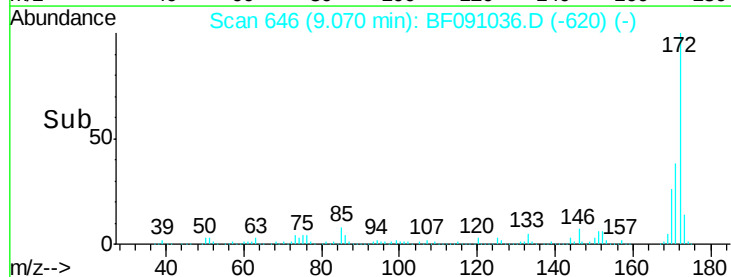
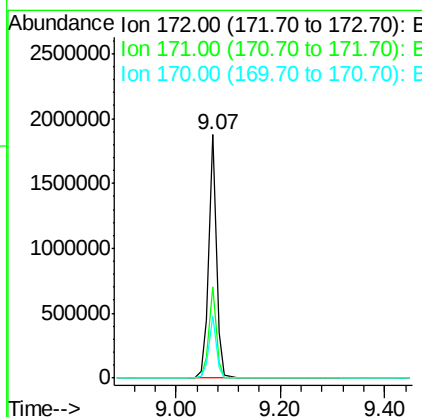
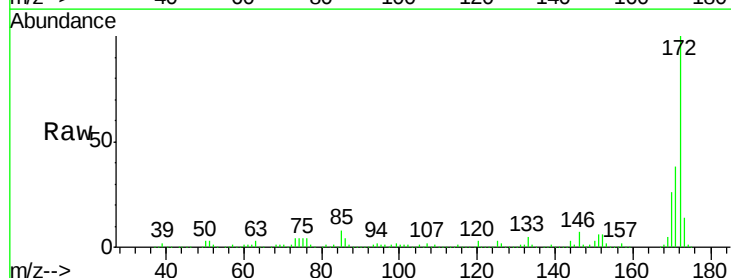
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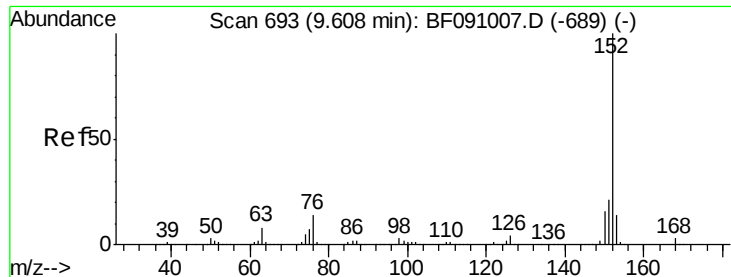
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#44
 2-Fluorobiphenyl
 Concen: 75.35 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091036.D
 Acq: 4 Nov 2016 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1922576		
171	37.6	29.8	44.6	
170	25.6	20.3	30.5	





#48

Acenaphthylene

Concen: 3.19 ng

RT: 9.60 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

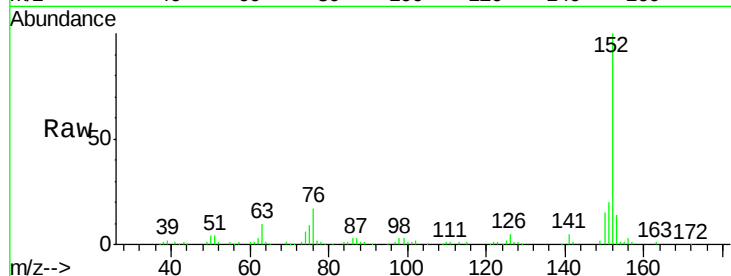
ClientSampleId :

SB-99-1.0-1.5

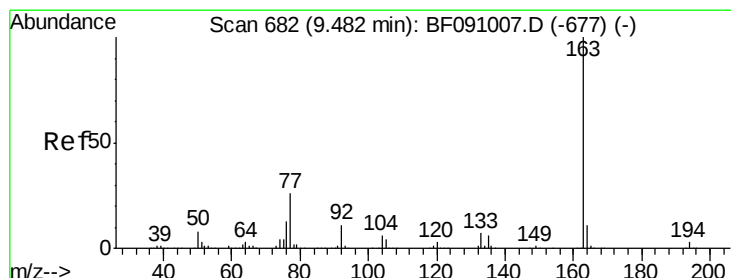
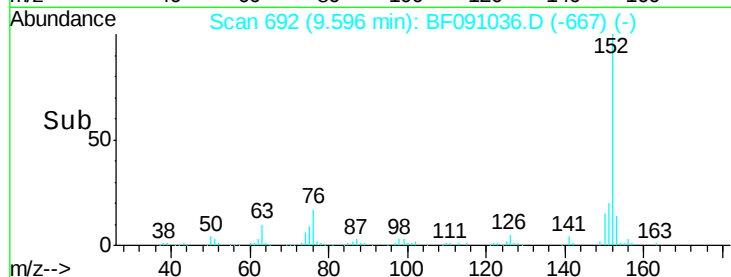
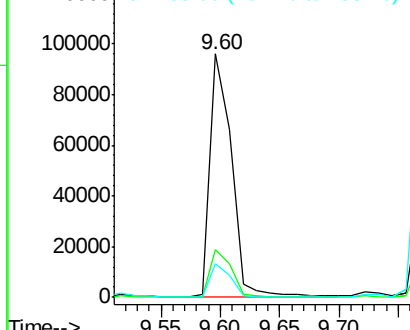
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.7	25.1
153	13.9	11.1	16.7

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 24.00 ng

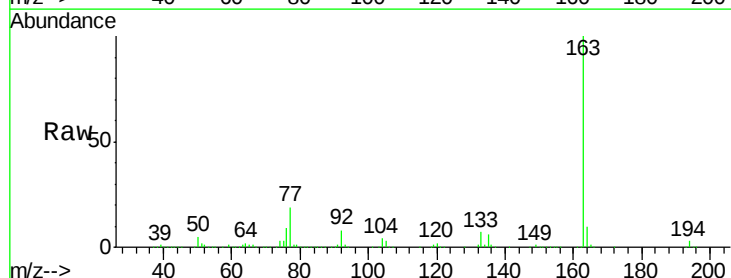
RT: 9.47 min Scan# 681

Delta R.T. -0.01 min

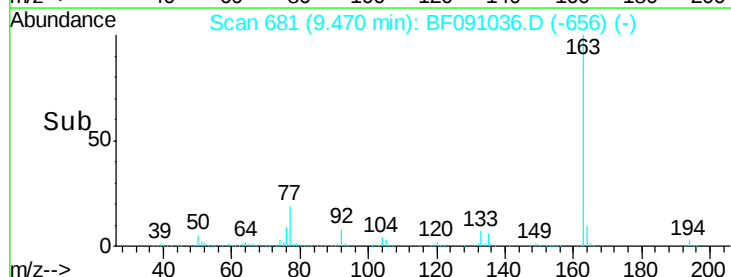
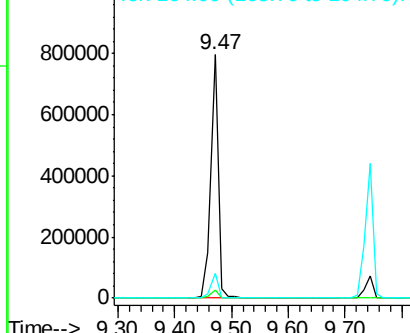
Lab File: BF091036.D

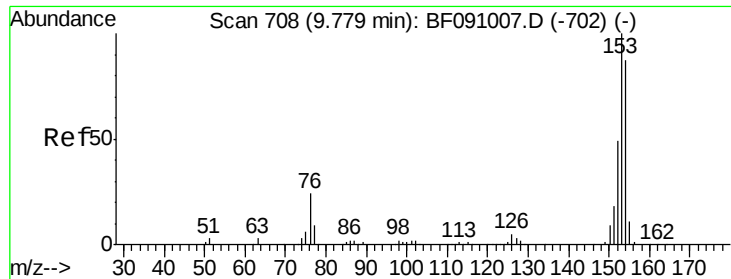
Acq: 4 Nov 2016 22:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.2	8.7	13.1



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





#51

Acenaphthene

Concen: 3.77 ng

RT: 9.77 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

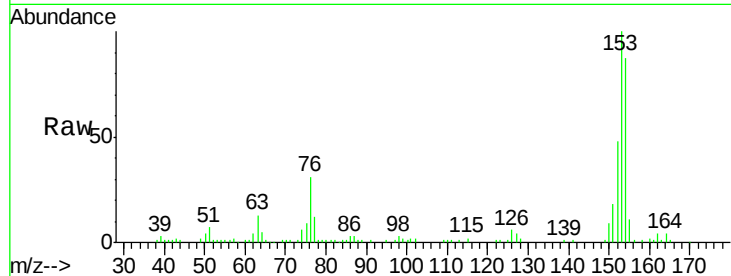
ClientSampled :

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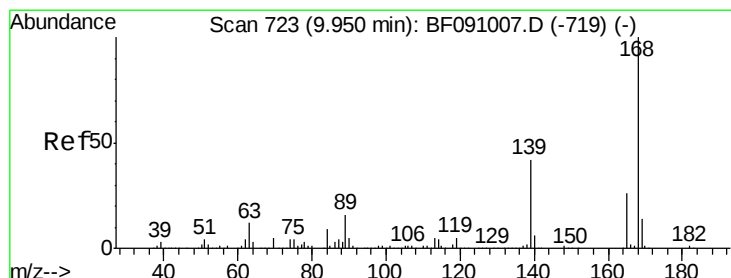
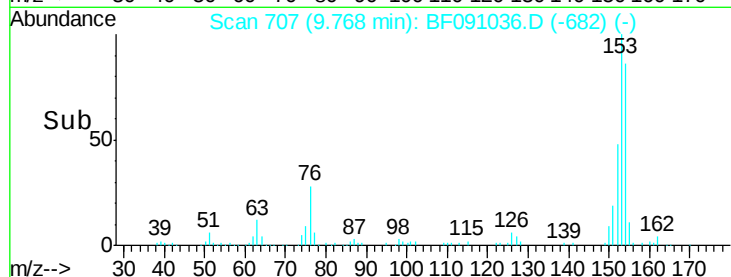
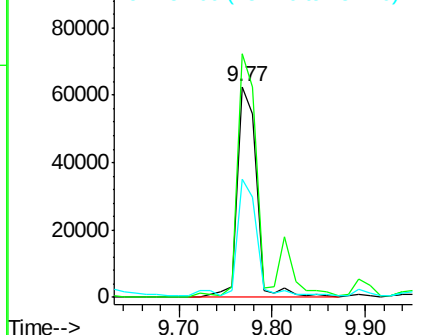
Tgt Ion:	154	Resp:	89915
Ion Ratio	Lower	Upper	
154	100		
153	115.4	91.6	137.4
152	55.7	44.6	67.0

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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: 4.30 ng

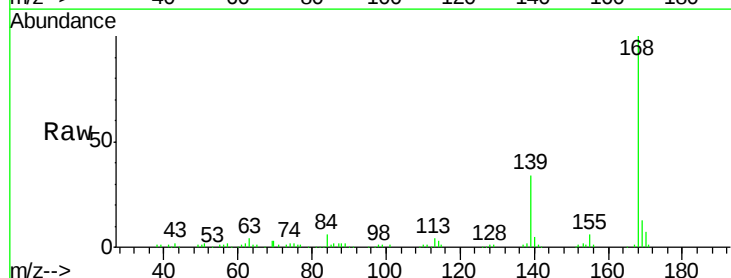
RT: 9.95 min Scan# 723

Delta R.T. 0.00 min

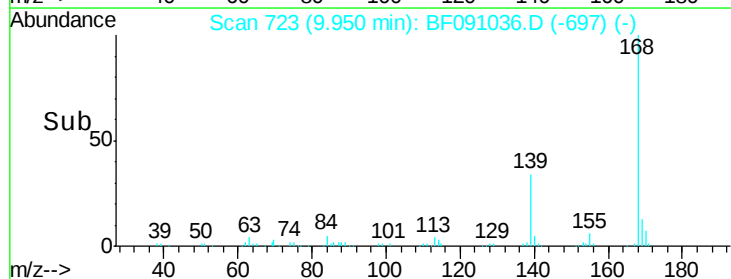
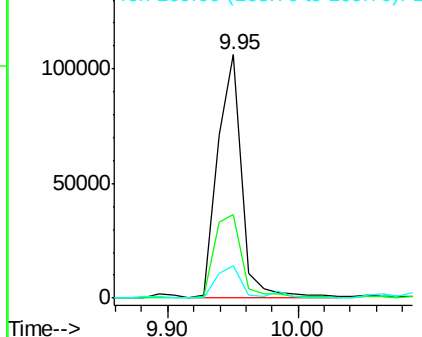
Lab File: BF091036.D

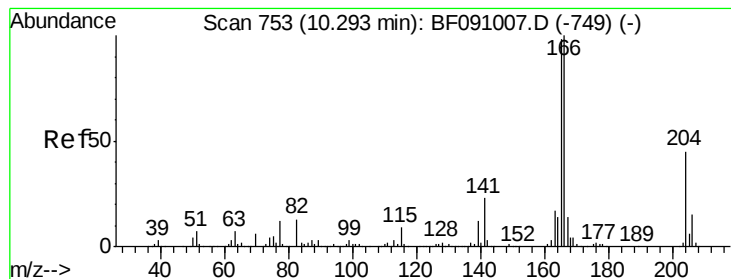
Acq: 4 Nov 2016 22:30

Tgt Ion:	168	Resp:	137956
Ion Ratio	Lower	Upper	
168	100		
139	34.3	34.8	52.2#
169	13.5	11.4	17.2



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: 5.21 ng

RT: 10.28 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

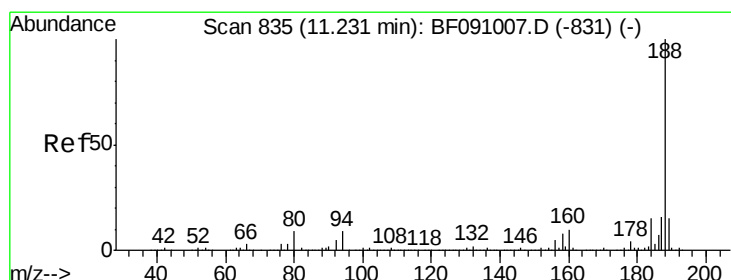
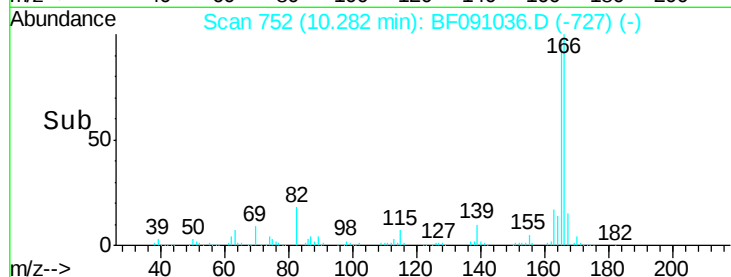
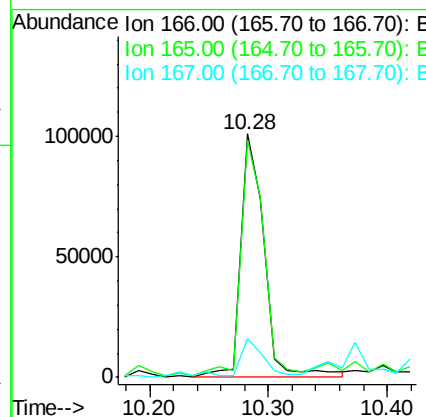
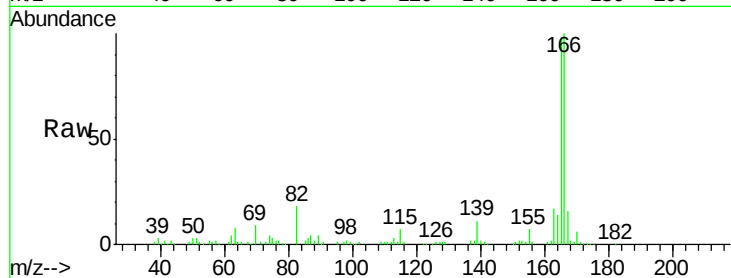
ClientSampled :

SB-99-1.0-1.5

Tgt Ion:	166	Resp:	136604
Ion Ratio	Lower	Upper	
166	100		
165	97.6	78.6	118.0
167	15.8	11.1	16.7

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#63

Phenanthrene-d10

Concen: 20.00 ng

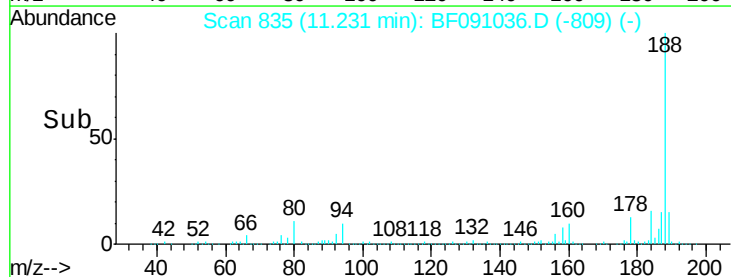
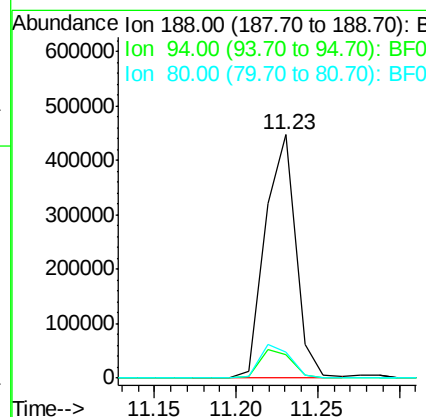
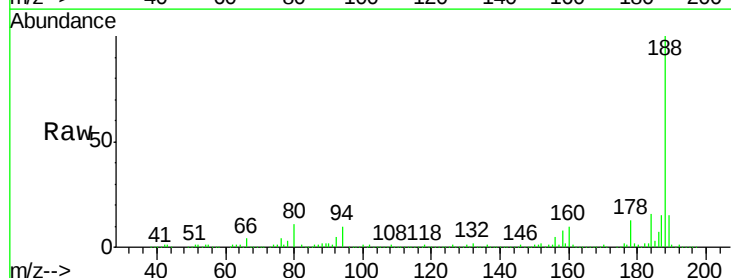
RT: 11.23 min Scan# 835

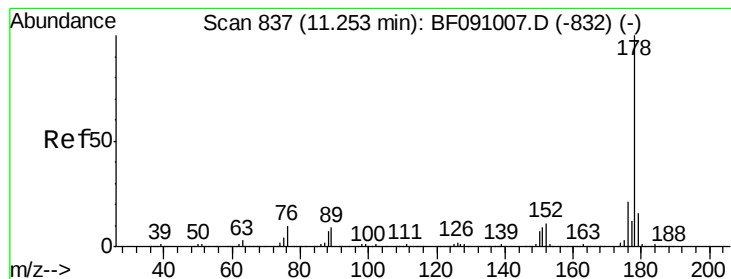
Delta R.T. 0.00 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Tgt Ion:	188	Resp:	583242
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.0	10.4
80	10.5	7.5	11.3





#70

Phenanthrene

Concen: 117.42 ng

RT: 11.25 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

ClientSampleId :

SB-99-1.0-1.5

Tgt Ion:178 Resp: 3640645

Ion Ratio Lower Upper

178 100

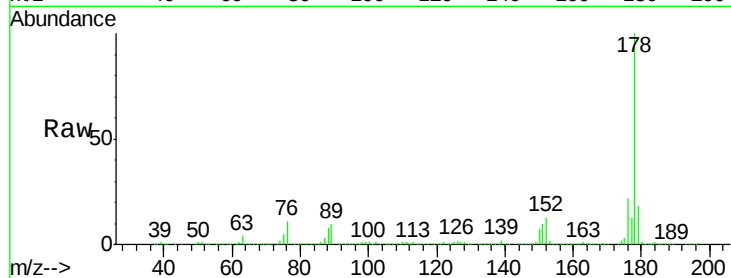
176 22.5 16.6 25.0

179 17.6 12.9 19.3

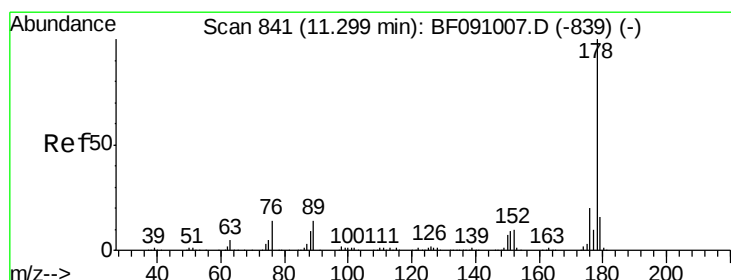
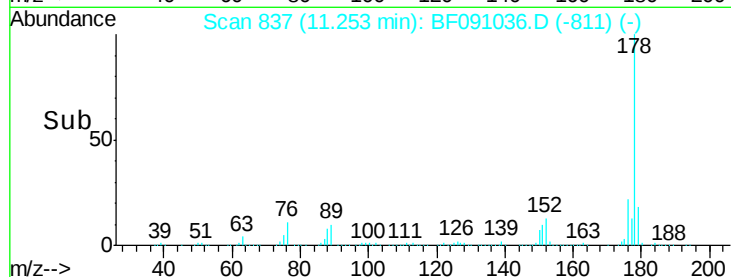
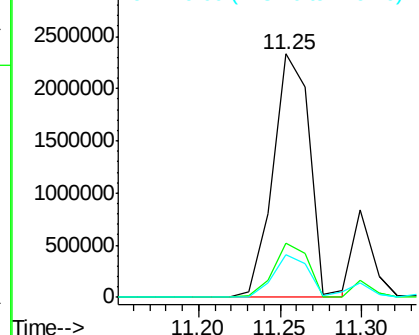
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 22.85 ng

RT: 11.30 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Tgt Ion:178 Resp: 753116

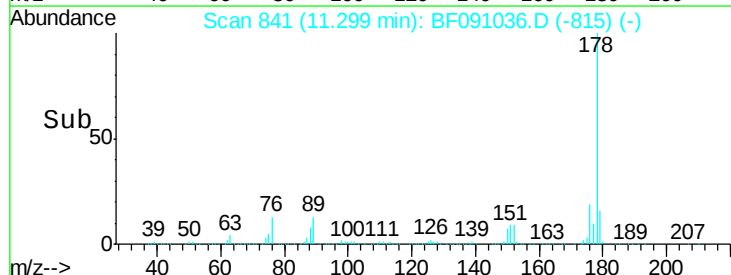
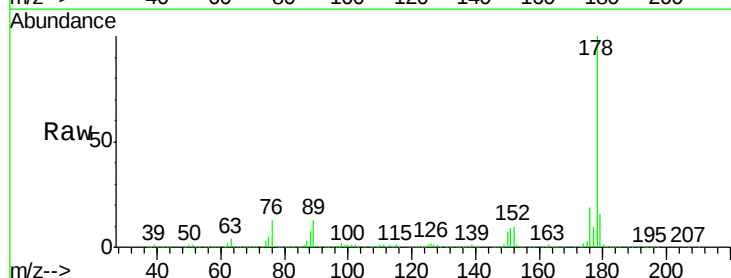
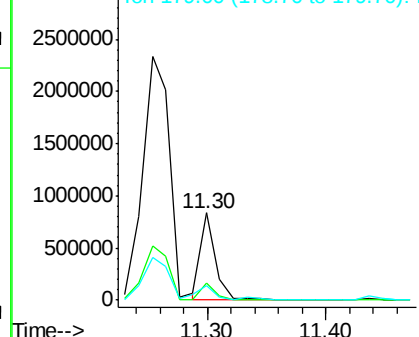
Ion Ratio Lower Upper

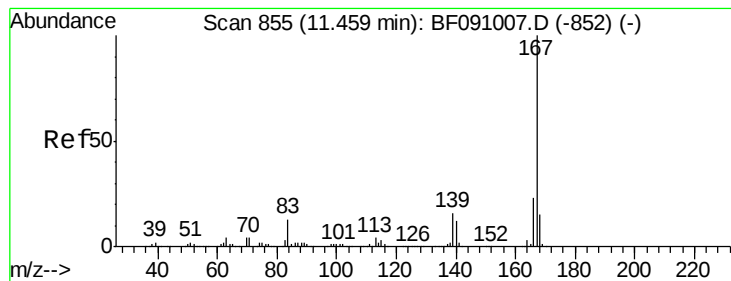
178 100

176 19.5 16.0 24.0

179 16.3 13.0 19.6

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: 15.39 ng

RT: 11.46 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

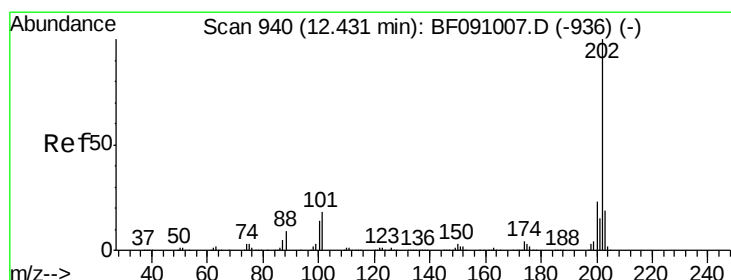
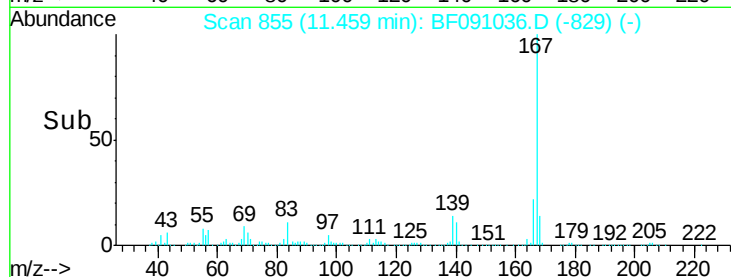
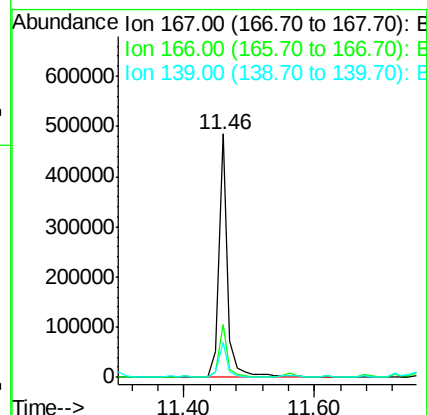
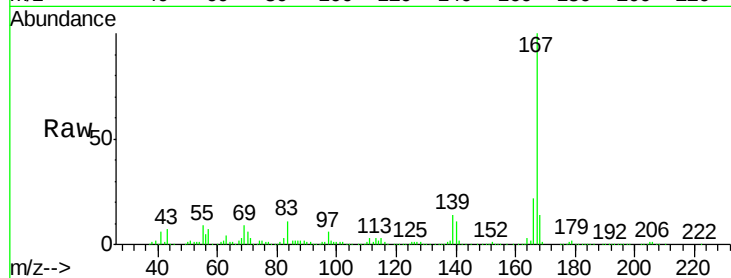
ClientSampleId :

SB-99-1.0-1.5

Tgt Ion:	167	Resp:	457279
Ion Ratio	Lower	Upper	
167	100		
166	22.0	18.0	27.0
139	14.3	12.6	18.8

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#74

Fluoranthene

Concen: 143.09 ng

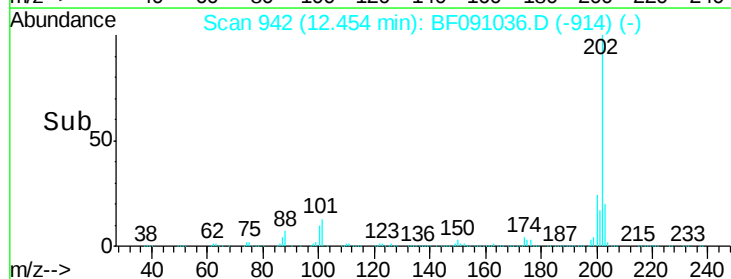
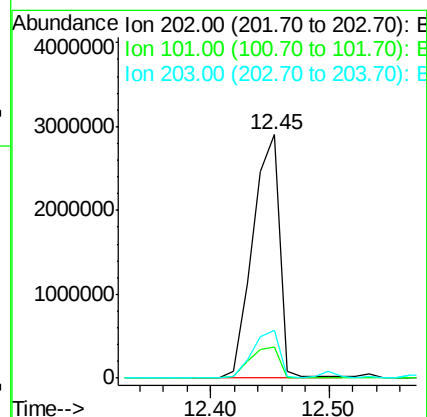
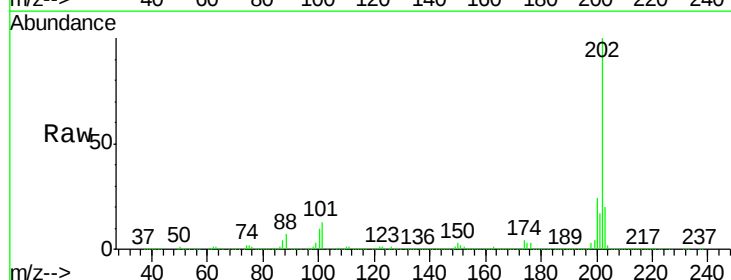
RT: 12.45 min Scan# 942

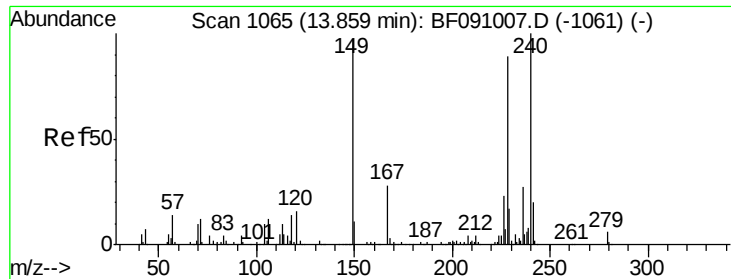
Delta R.T. 0.02 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Tgt Ion:	202	Resp:	4601063
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	37.6
203	19.9	0.0	38.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1066

Delta R.T. 0.01 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

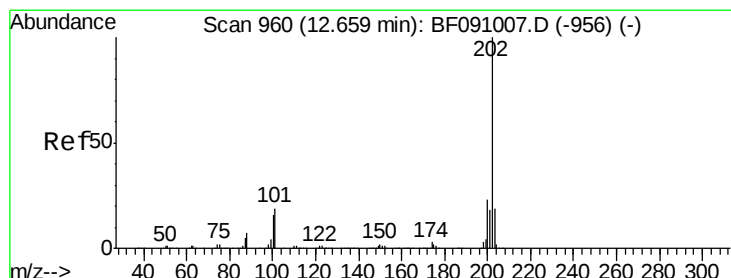
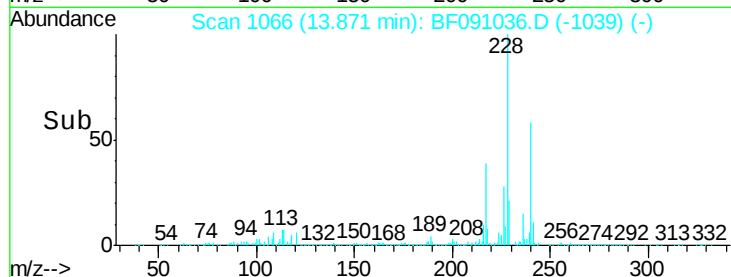
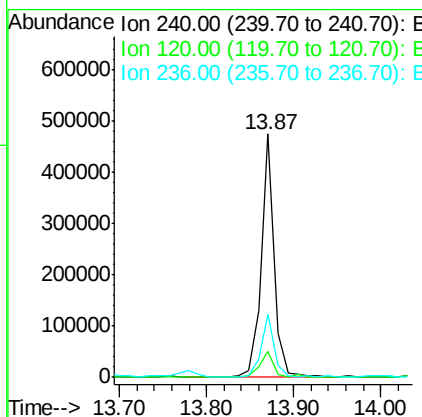
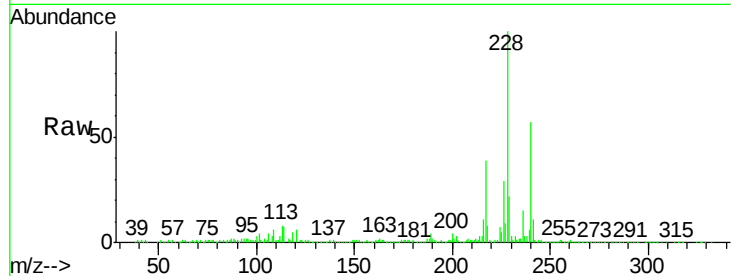
ClientSampleId :

SB-99-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	12.9	19.3#
236	26.2	21.9	32.9

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#77

Pyrene

Concen: 135.91 ng

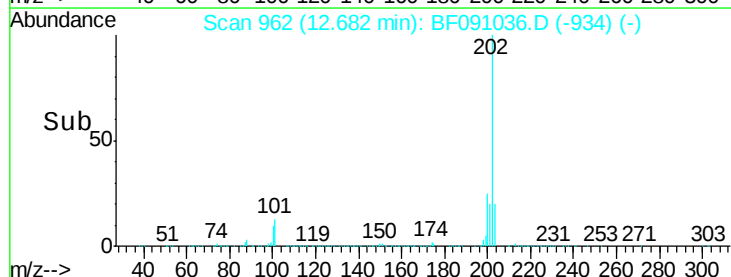
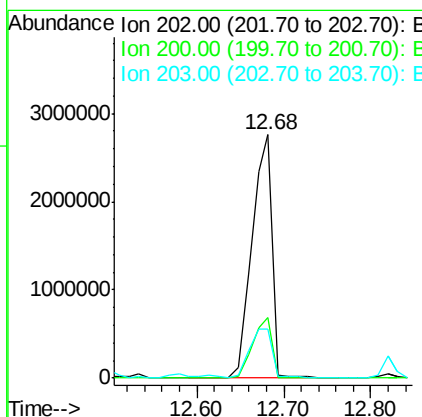
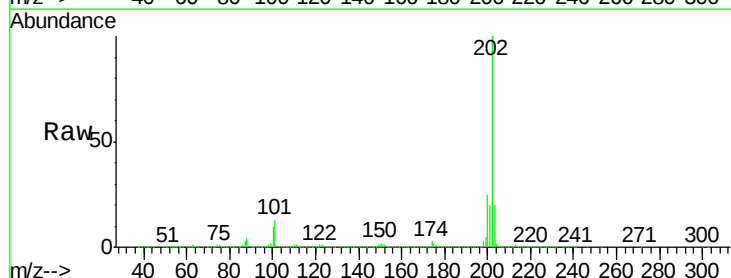
RT: 12.68 min Scan# 962

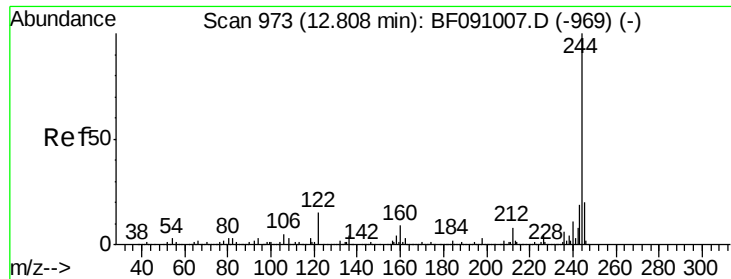
Delta R.T. 0.02 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.8	18.4	27.6
203	20.1	15.0	22.6





#78

Terphenyl-d14

Concen: 77.05 ng

RT: 12.81 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

Instrument :

BNA_F

ClientSampleId :

SB-99-1.0-1.5

Tgt Ion:244 Resp: 1534191

Ion Ratio Lower Upper

244 100

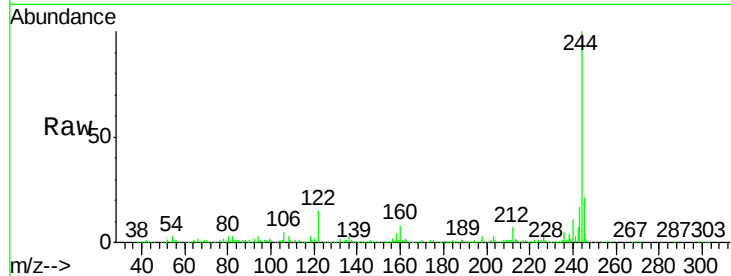
212 7.4 6.4 9.6

122 15.1 12.3 18.5

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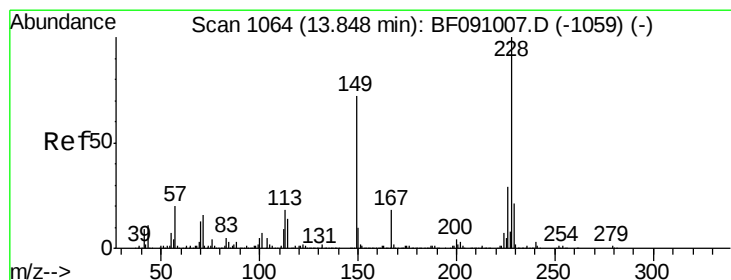
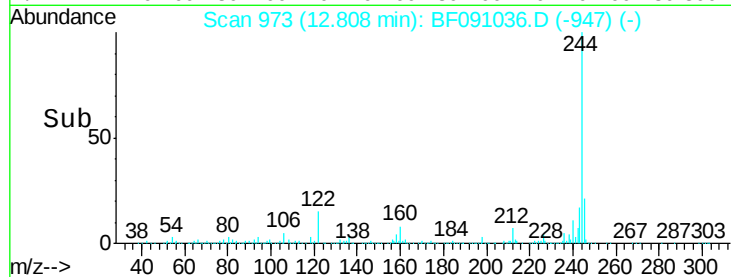
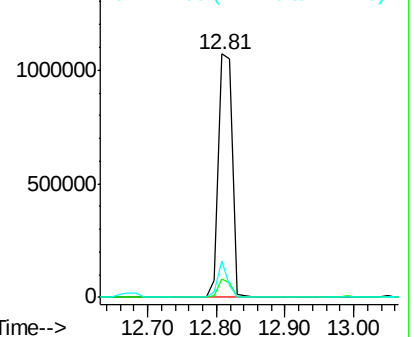
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 109.45 ng

RT: 13.86 min Scan# 1065

Delta R.T. 0.01 min

Lab File: BF091036.D

Acq: 4 Nov 2016 22:30

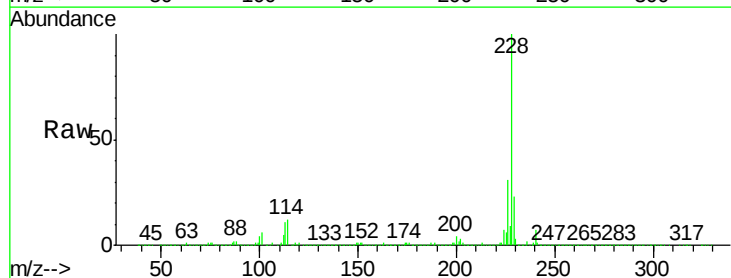
Tgt Ion:228 Resp: 3087615

Ion Ratio Lower Upper

228 100

226 30.5 23.0 34.6

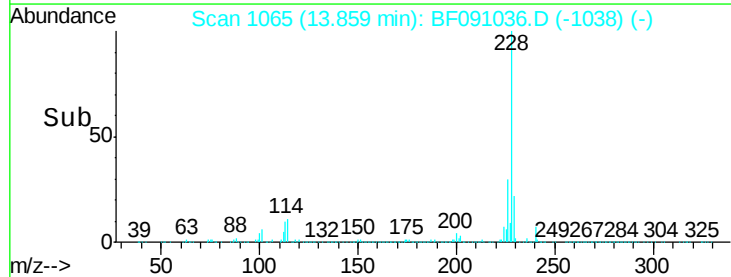
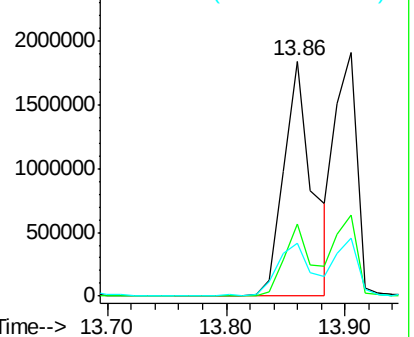
229 22.6 16.6 24.8

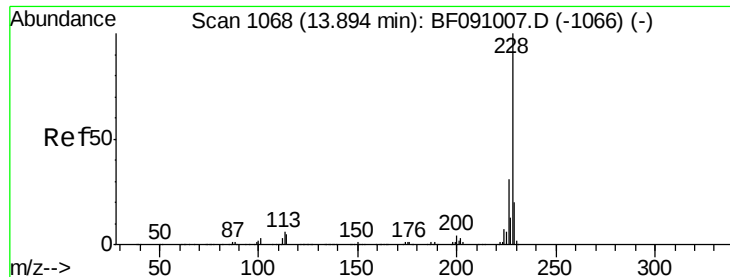


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





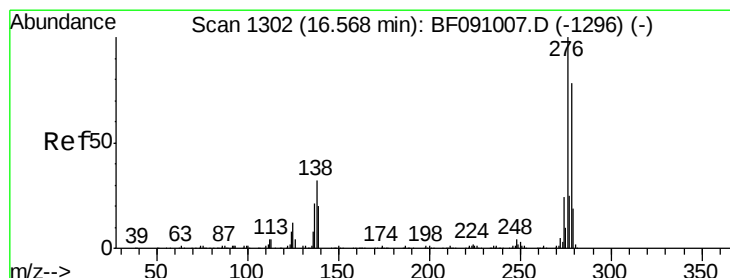
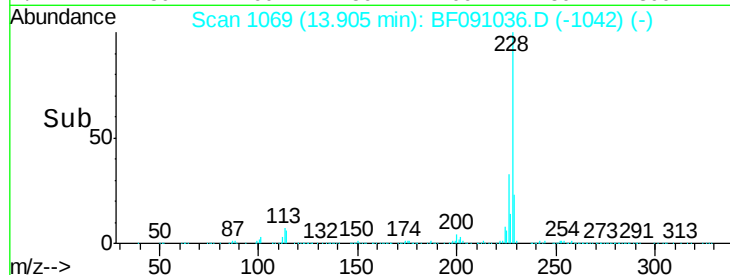
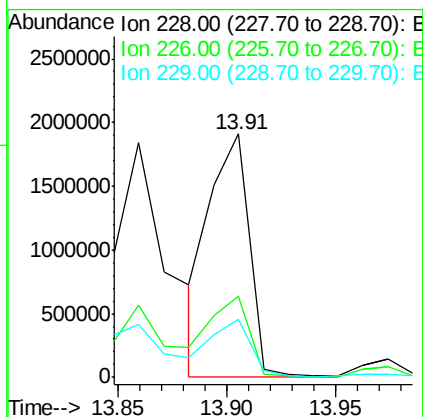
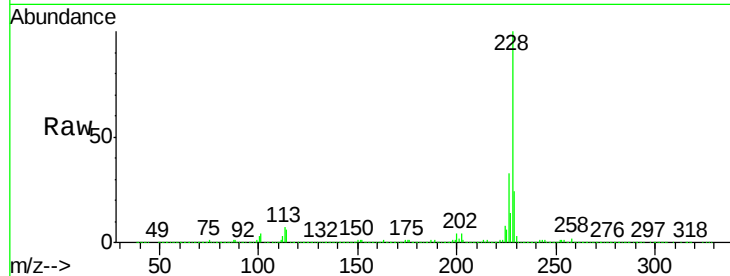
#82
Chrysene
Concen: 86.07 ng
RT: 13.91 min Scan# 1069
Delta R.T. 0.01 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Instrument :
BNA_F
ClientSampled :
SB-99-1.0-1.5

Tgt Ion: 228 Resp: 2394287
Ion Ratio Lower Upper
228 100
226 33.5 24.9 37.3
229 23.9 15.9 23.9

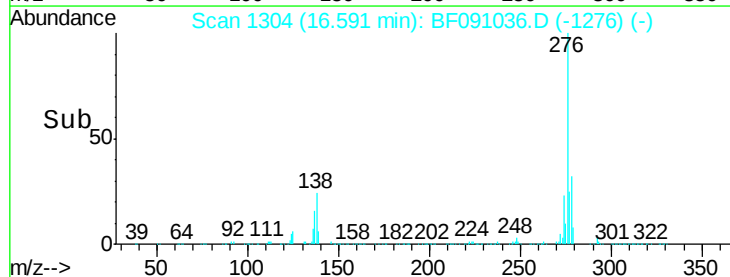
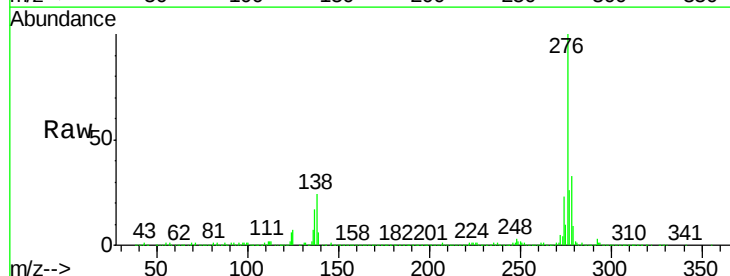
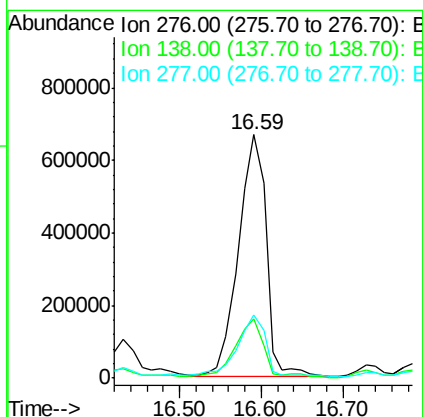
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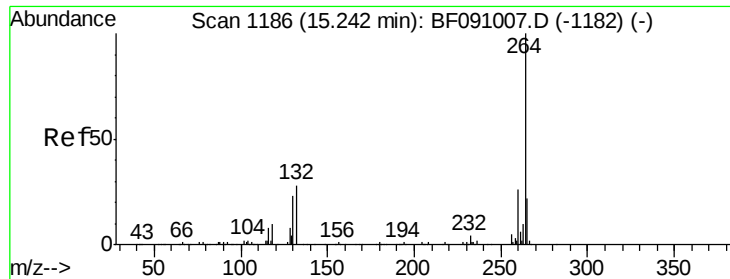
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#85
Indeno(1,2,3-cd)pyrene
Concen: 68.08 ng
RT: 16.59 min Scan# 1304
Delta R.T. 0.02 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Tgt Ion: 276 Resp: 1571226
Ion Ratio Lower Upper
276 100
138 24.8 26.0 39.0#
277 24.9 20.1 30.1





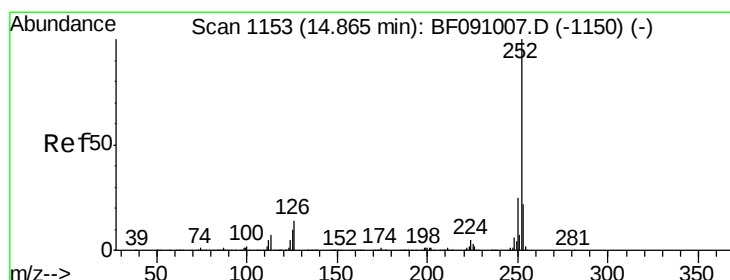
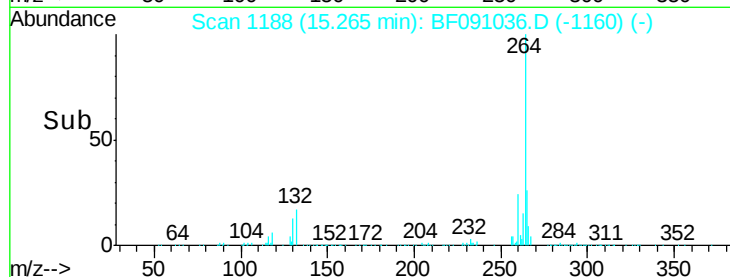
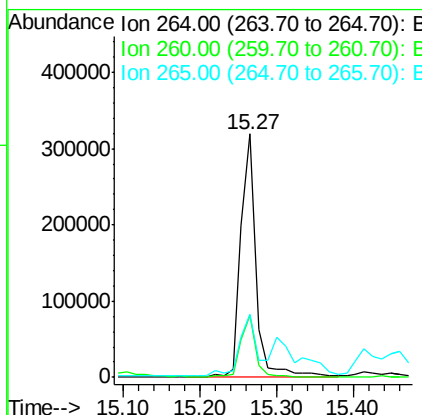
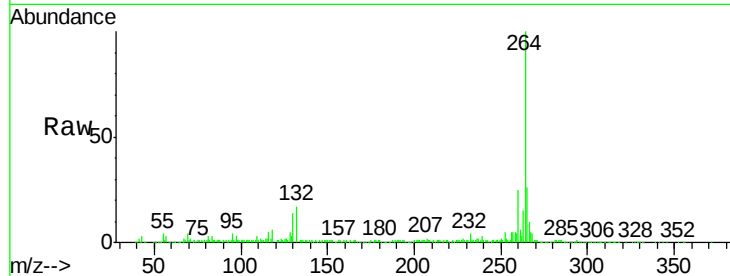
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1188
Delta R.T. 0.02 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Instrument :
BNA_F
ClientSampleId :
SB-99-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.6	30.8
265	26.0	17.8	26.8

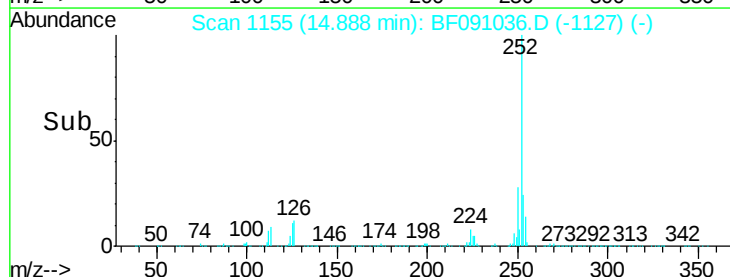
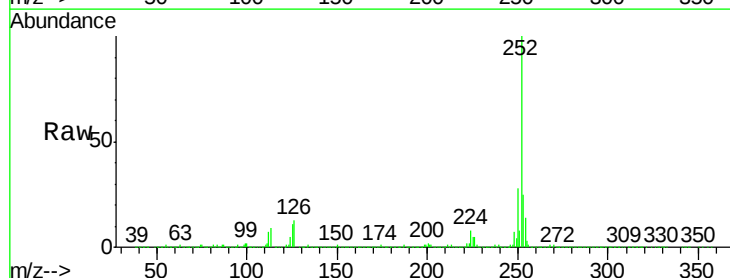
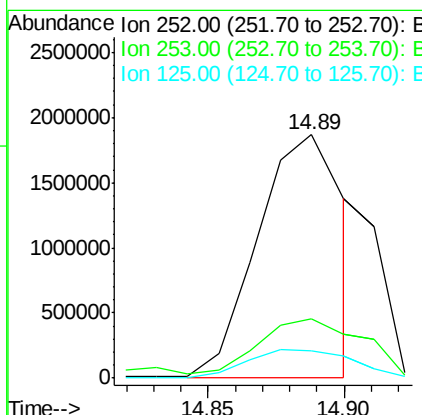
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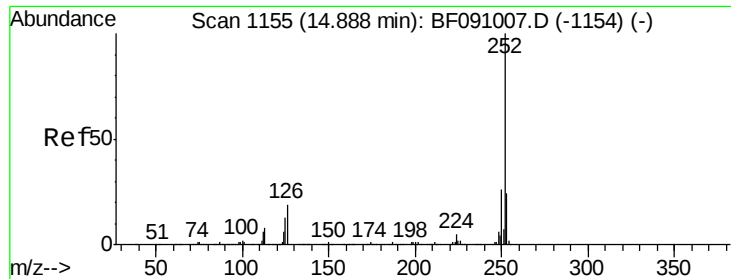
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#87
Benzo(b)fluoranthene
Concen: 138.20 ng m
RT: 14.89 min Scan# 1155
Delta R.T. 0.02 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	11.2	8.3	12.5





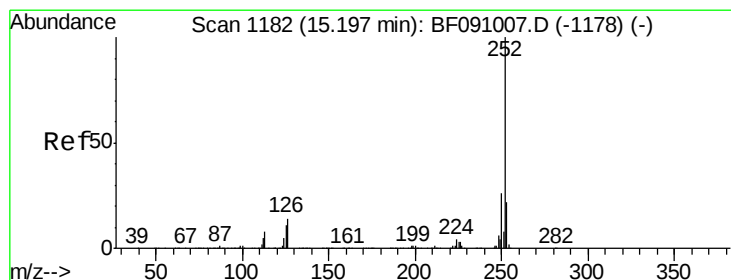
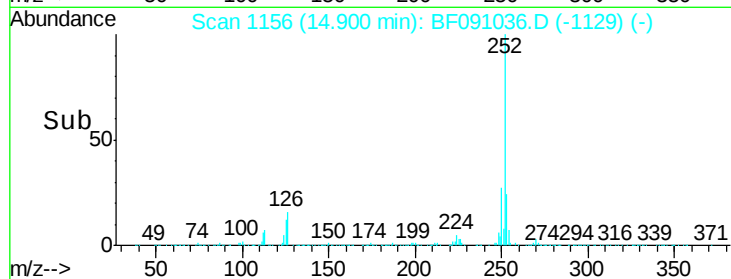
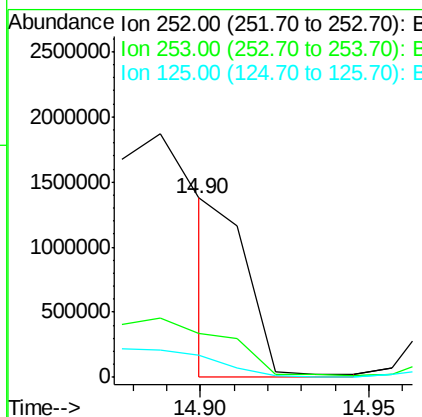
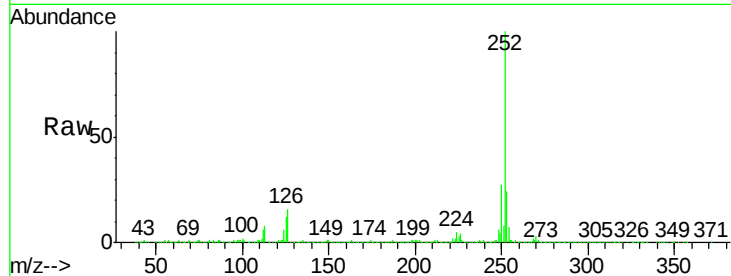
#88
Benzo(k)fluoranthene
Concen: 33.13 ng m
RT: 14.90 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Instrument :
BNA_F
ClientSampled :
SB-99-1.0-1.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.6	28.0
125	12.0	11.2	16.8

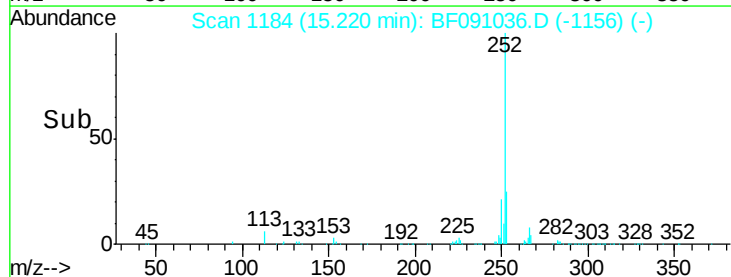
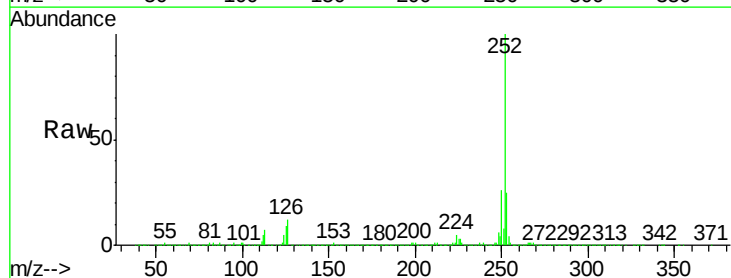
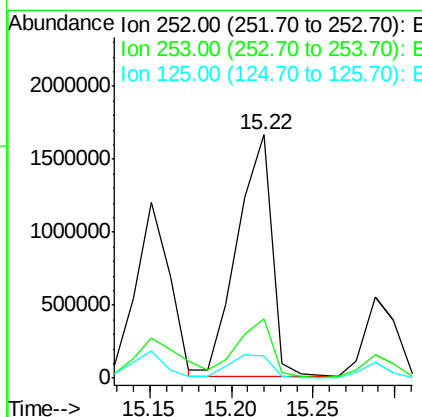
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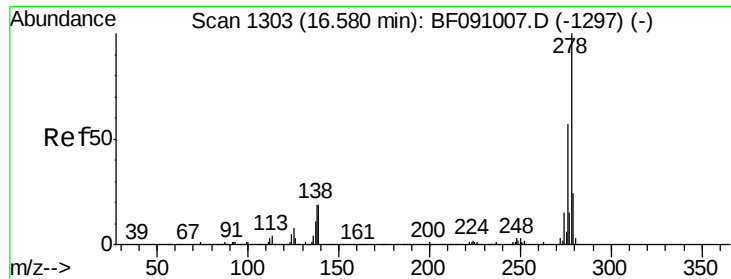
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#89
Benzo(a)pyrene
Concen: 93.03 ng
RT: 15.22 min Scan# 1184
Delta R.T. 0.02 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	9.2	8.6	13.0





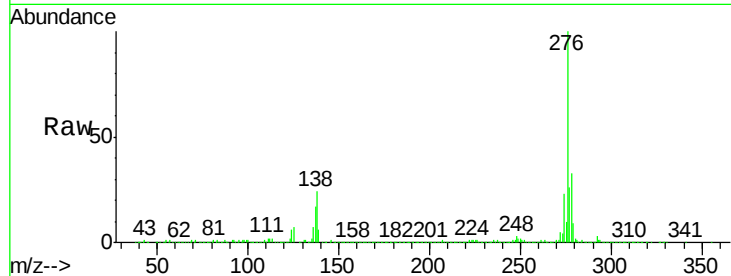
#90
Dibenzo(a,h)anthracene
Concen: 19.03 ng m
RT: 16.59 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Instrument :
BNA_F
ClientSampleId :
SB-99-1.0-1.5

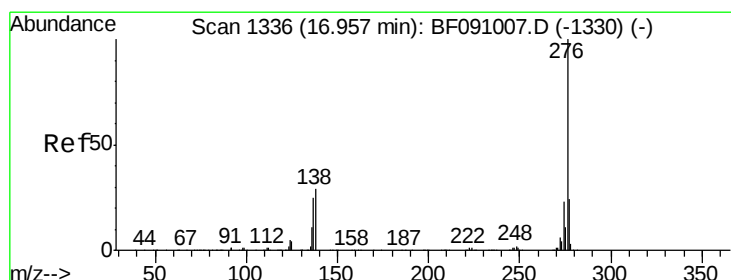
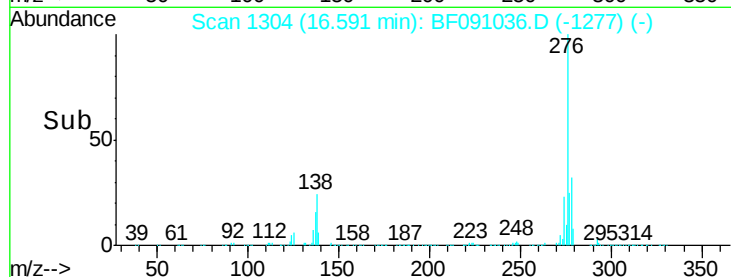
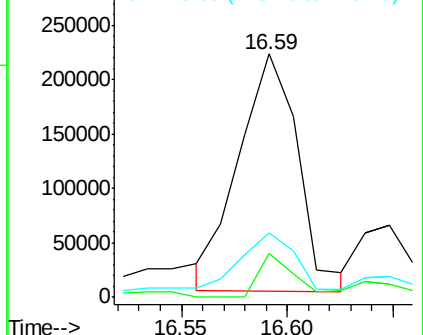
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.2	15.3	22.9
279	26.6	19.3	28.9

Manual Integrations
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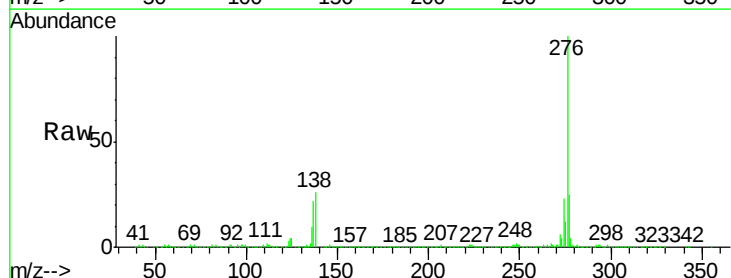


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 65.63 ng
RT: 16.99 min Scan# 1339
Delta R.T. 0.03 min
Lab File: BF091036.D
Acq: 4 Nov 2016 22:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	25.6	23.3	34.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

