

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
 Data File : BF090152.D
 Acq On : 20 Sep 2016 23:49
 Operator : UM/SJ
 Sample : H4850-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-04-SOUTHSIDE

Manual Integrations
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Quant Time: Sep 21 09:58:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	162397	20.00	ng	-0.01
21) Naphthalene-d8	7.80	136	636234	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	323480	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	340946	20.00	ng	-0.01
75) Chrysene-d12	13.65	240	250943	20.00	ng	0.01
86) Perylene-d12	14.97	264	257986	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	1075233	107.92	ng	0.01
7) Phenol-d6	6.17	99	1502305	122.10	ng	0.00
23) Nitrobenzene-d5	7.10	82	849548	77.40	ng	0.00
41) 2,4,6-Tribromophenol	10.33	330	210271	75.77	ng	-0.01
44) 2-Fluorobiphenyl	8.89	172	1240421	75.28	ng	0.00
78) Terphenyl-d14	12.60	244	750334	75.91	ng	0.00

Target Compounds

						Qvalue
48) Acenaphthylene	9.40	152	192937	6.96	ng	98
49) Dimethylphthalate	9.29	163	535396	25.99	ng	99
51) Acenaphthene	9.58	154	57825	3.51	ng	98
54) Dibenzofuran	9.75	168	84212	3.89	ng	95
57) Fluorene	10.09	166	119049	7.29	ng	99
70) Phenanthrene	11.05	178	1250412	78.42	ng	99
71) Anthracene	11.10	178	401900	24.03	ng	98
72) Carbazole	11.26	167	138372	7.83	ng	97
74) Fluoranthene	12.23	202	1576443	92.11	ng	99
77) Pyrene	12.46	202	1577529	91.87	ng	99
80) Benzo(a)anthracene	13.63	228	998239	73.94	ng	98
82) Chrysene	13.67	228	830890m	63.18	ng	
85) Indeno(1,2,3-cd)pyrene	16.14	276	412968	38.84	ng	# 91
87) Benzo(b)fluoranthene	14.63	252	1180601m	82.64	ng	
88) Benzo(k)fluoranthene	14.64	252	159843m	11.92	ng	
89) Benzo(a)pyrene	14.91	252	686949	51.12	ng	# 92
90) Dibenzo(a,h)anthracene	16.15	278	99821m	9.52	ng	
91) Benzo(g,h,i)perylene	16.48	276	402709	39.24	ng	98

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

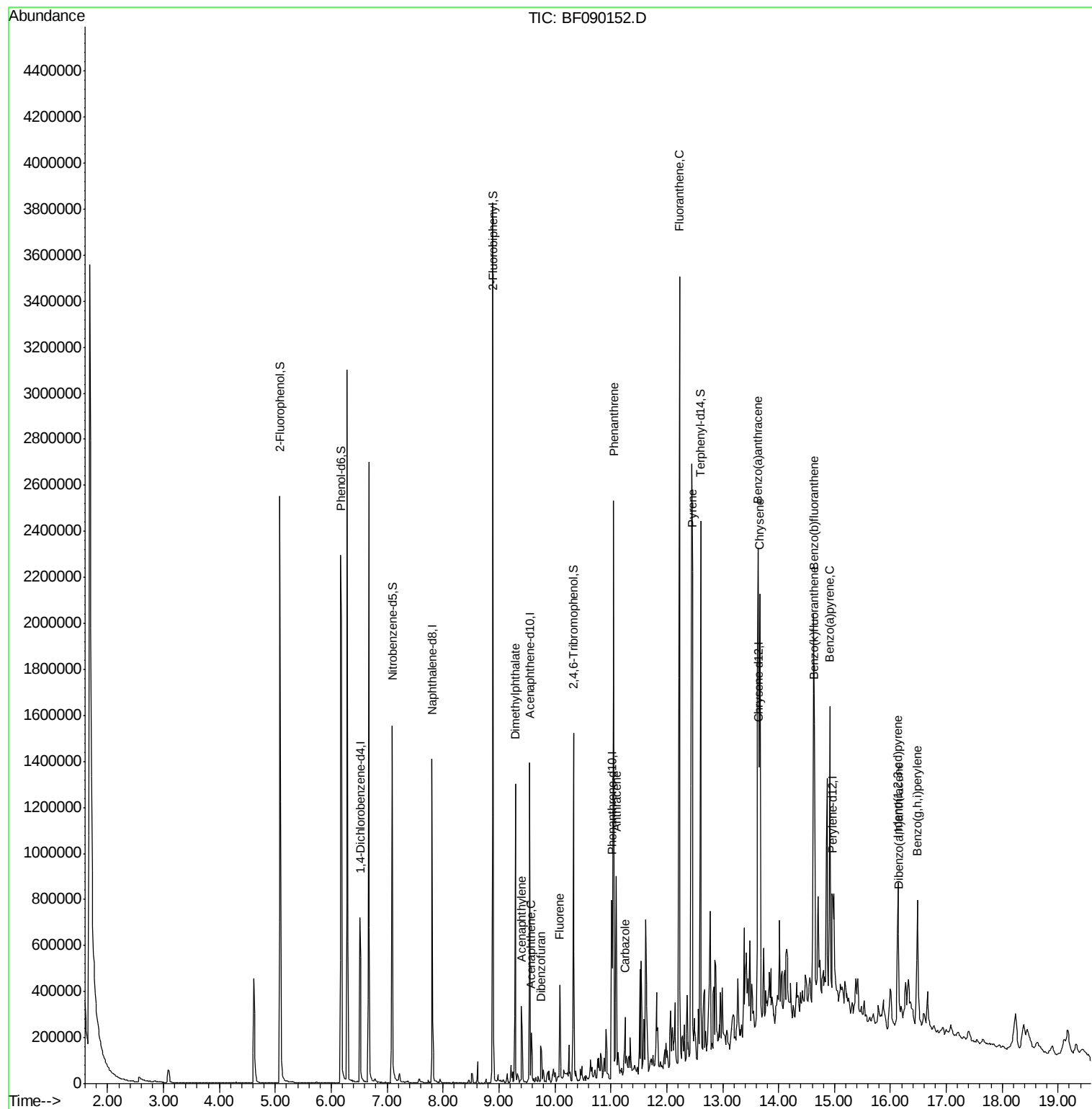
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
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#1

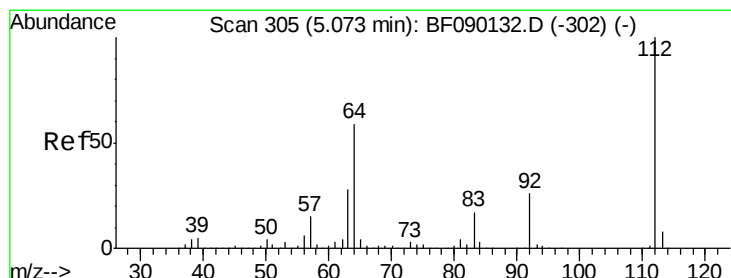
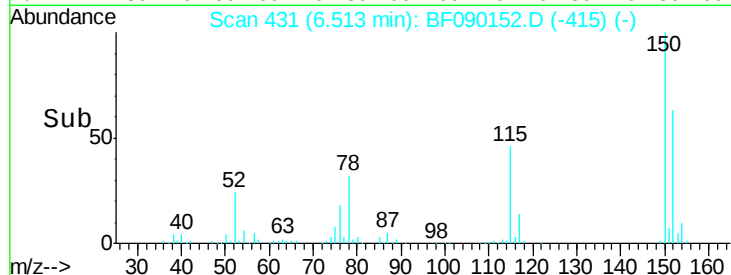
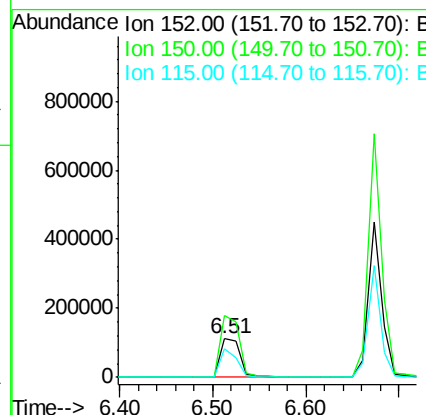
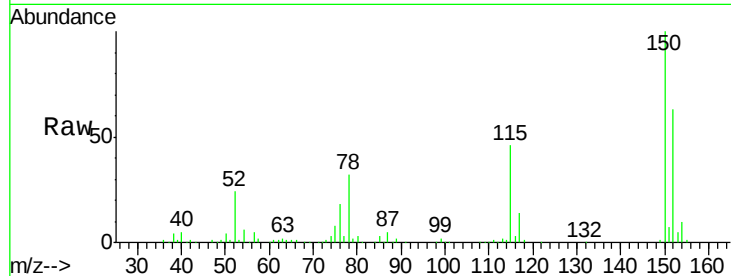
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.01 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	128.9	193.3
115	72.9	55.5	83.3

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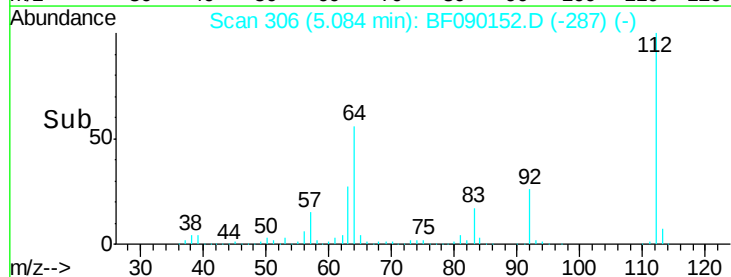
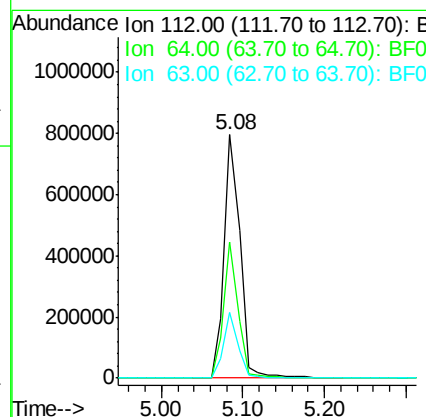
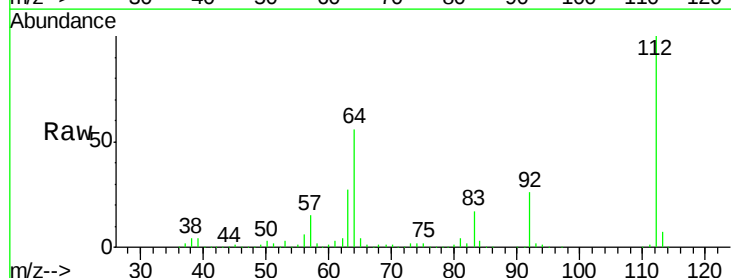
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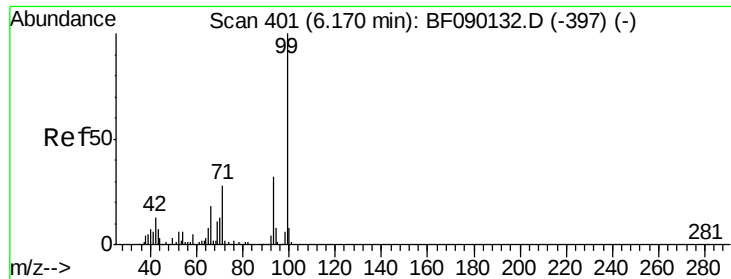


#5

2-Fluorophenol
Concen: 107.92 ng
RT: 5.08 min Scan# 306
Delta R.T. 0.01 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	39.8	59.6
63	27.0	18.9	28.3





#7

Phenol-d6

Concen: 122.10 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Instrument :

BNA_F

ClientSampleId :

FHSW-04-SOUTHSIDE

Tgt Ion: 99 Resp: 1502305

Ion Ratio Lower Upper

99 100

42 13.7 10.6 15.8

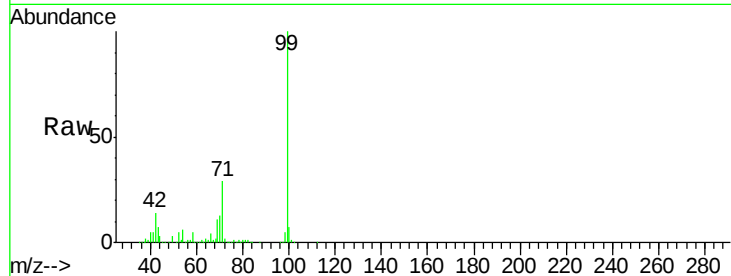
71 29.3 23.0 34.6

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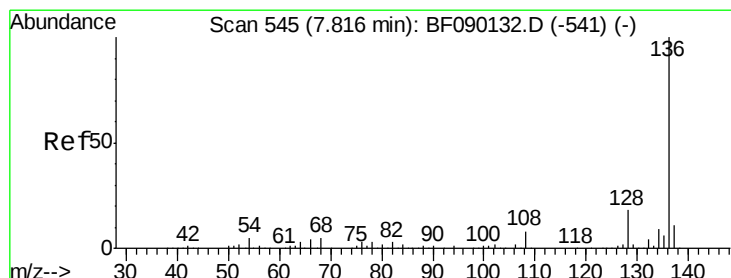
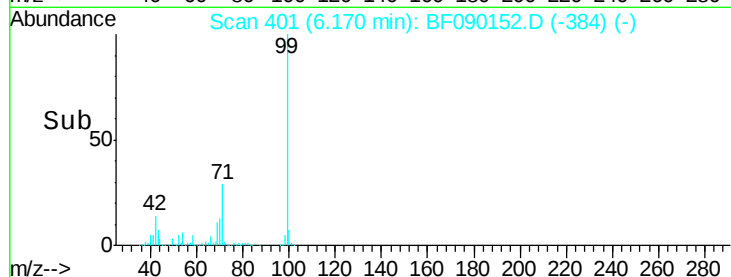
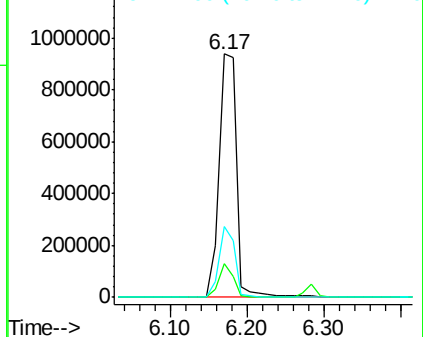
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Tgt Ion: 136 Resp: 636234

Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.9 6.4 9.6

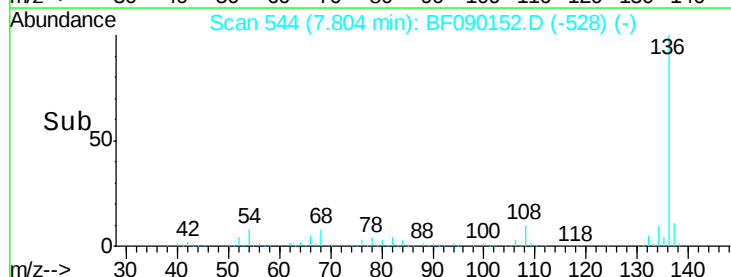
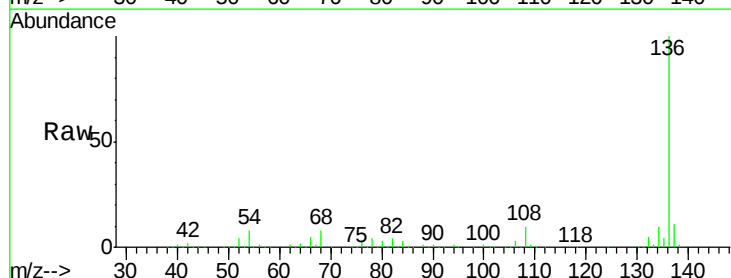
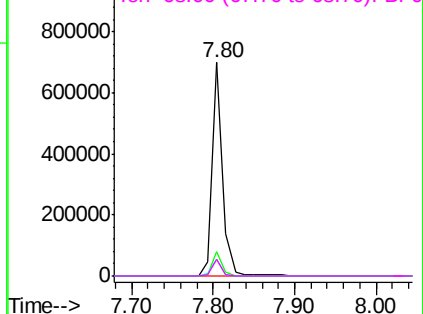
68 7.9 6.3 9.5

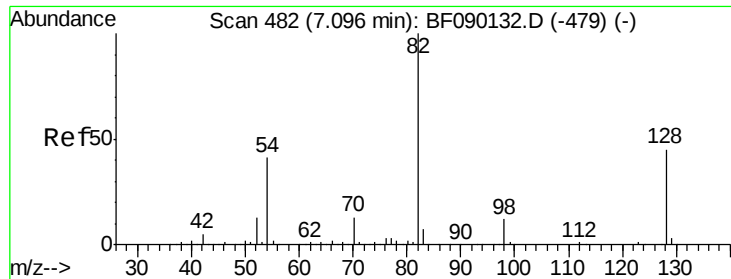
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





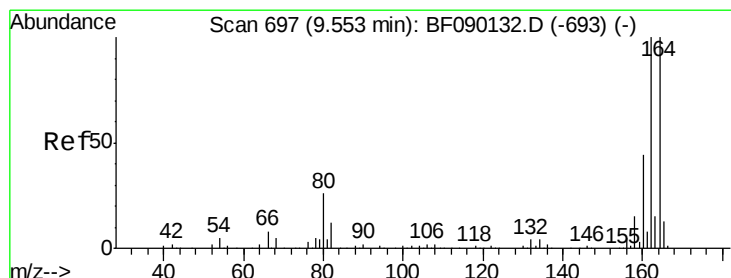
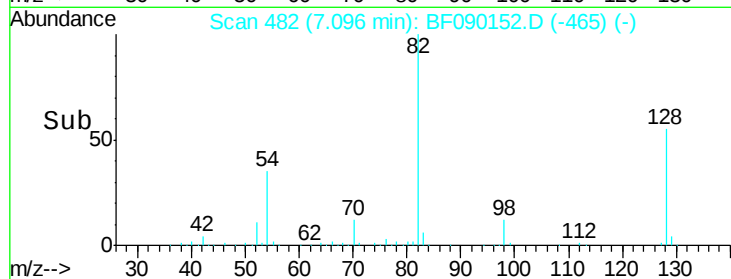
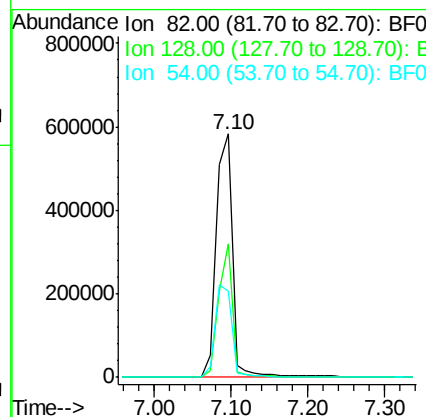
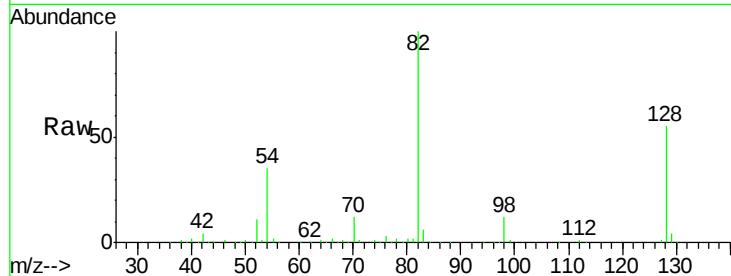
#23
 Nitrobenzene-d5
 Concen: 77.40 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: BF090152.D
 Acq: 20 Sep 2016 23:49

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	849548		
128	54.8	37.5	56.3	
54	35.4	31.9	47.9	

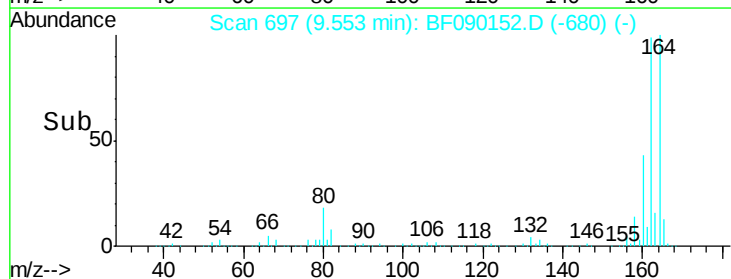
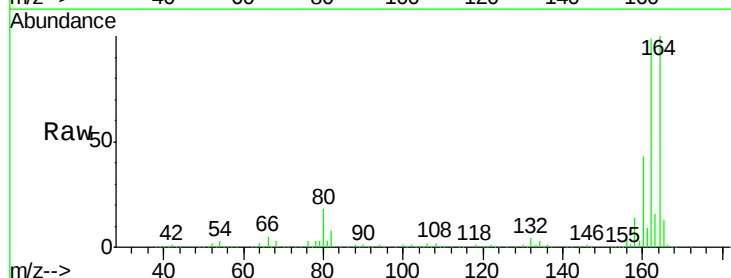
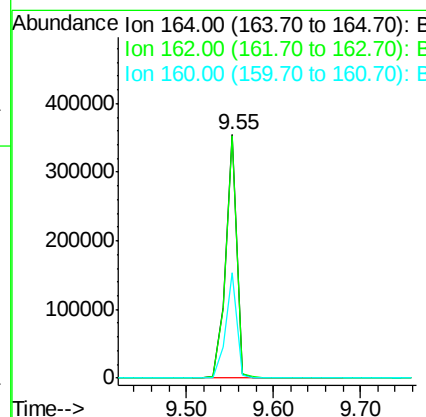
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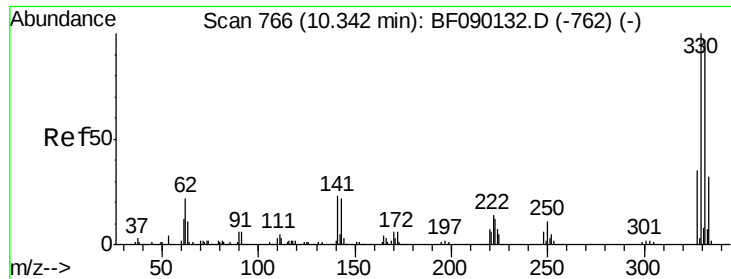
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: BF090152.D
 Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	323480		
162	99.4	81.4	122.2	
160	43.4	36.6	54.8	





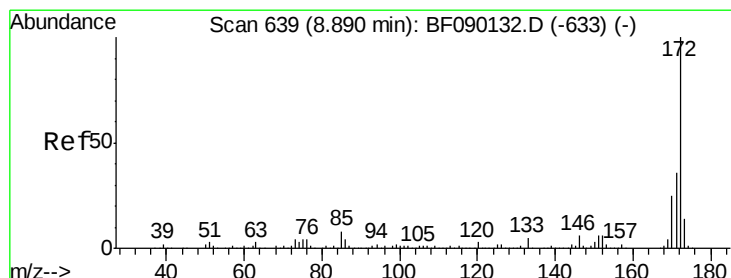
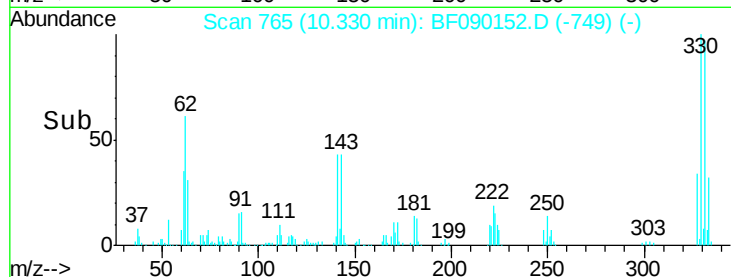
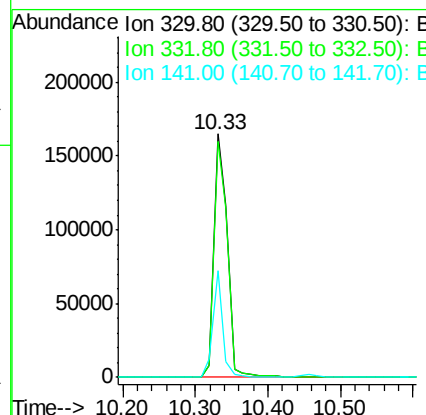
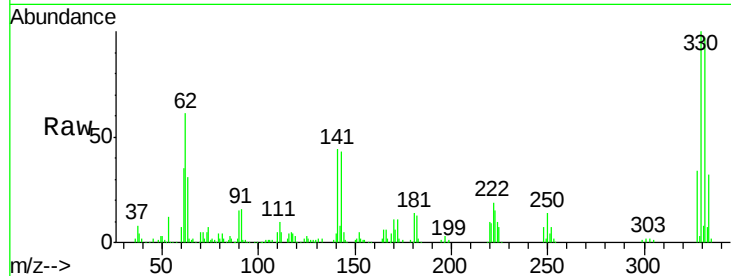
#41
 2,4,6-Tribromophenol
 Concen: 75.77 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF090152.D
 Acq: 20 Sep 2016 23:49

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	210271		
332	97.7	78.1	117.1	
141	32.9	23.9	35.9	

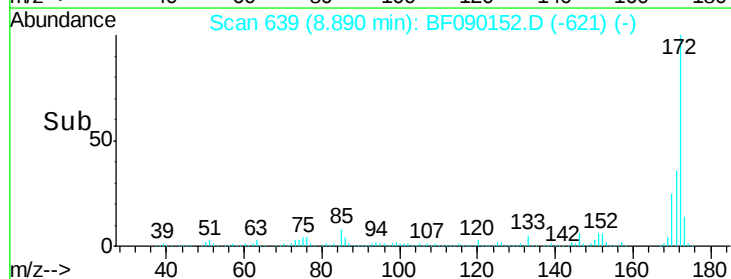
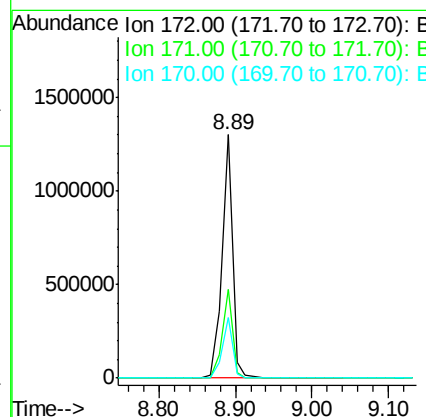
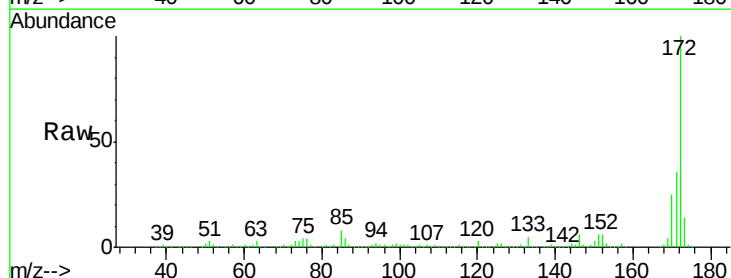
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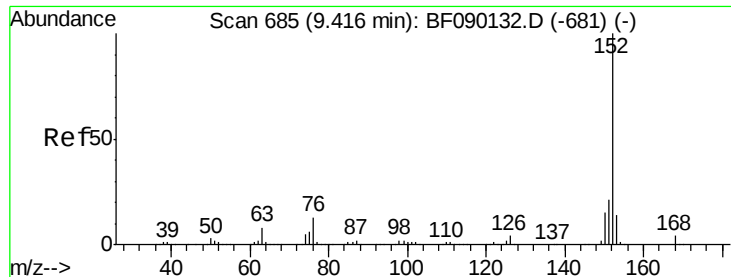
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#44
 2-Fluorobiphenyl
 Concen: 75.28 ng
 RT: 8.89 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF090152.D
 Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1240421		
171	36.3	29.2	43.8	
170	24.8	19.8	29.8	





#48

Acenaphthylene

Concen: 6.96 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Instrument :

BNA_F

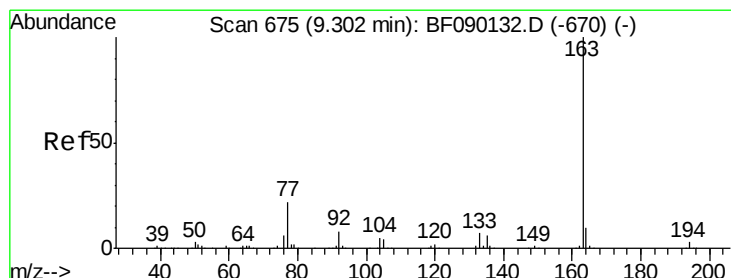
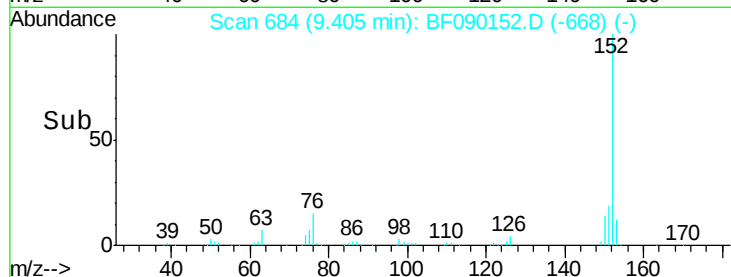
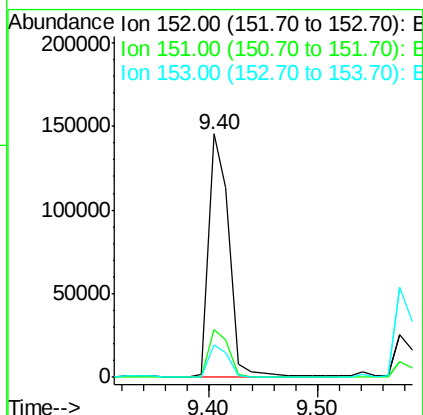
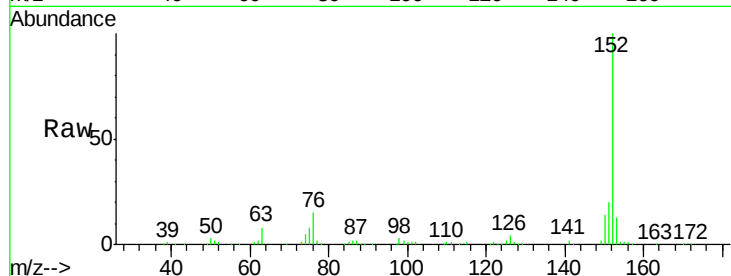
ClientSampleId :

FHSW-04-SOUTHSIDE

Tgt Ion:	152	Resp:	192937
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.5	24.7
153	13.4	10.6	15.8

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#49

Dimethylphthalate

Concen: 25.99 ng

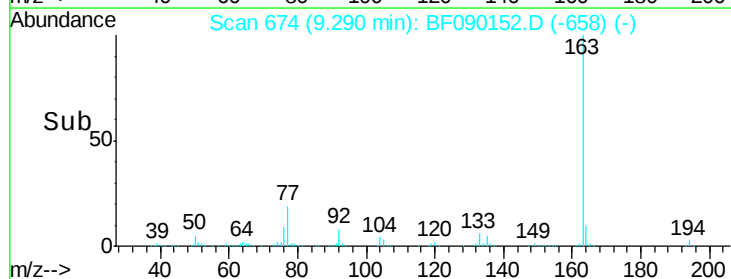
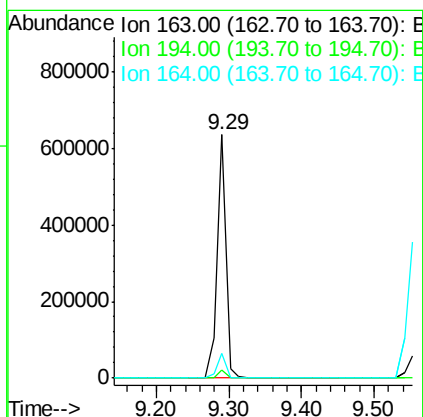
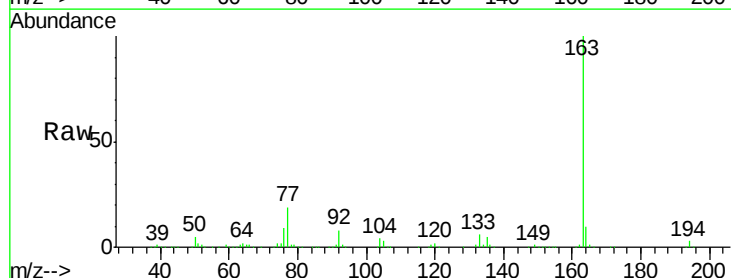
RT: 9.29 min Scan# 674

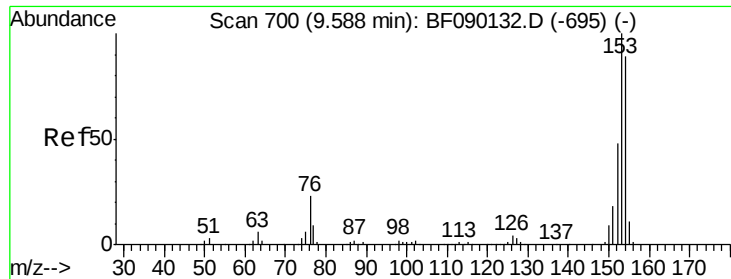
Delta R.T. -0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Tgt Ion:	163	Resp:	535396
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.2	8.1	12.1





#51

Acenaphthene

Concen: 3.51 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Instrument :

BNA_F

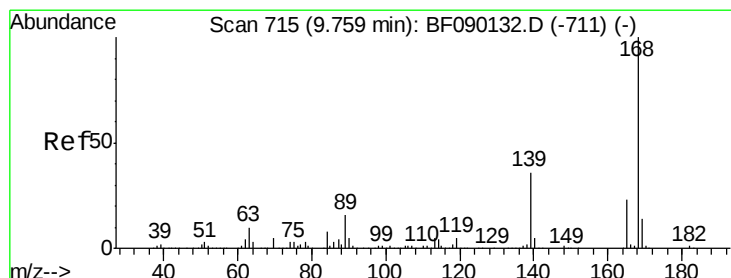
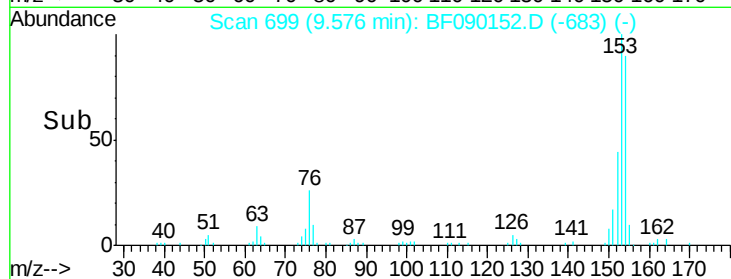
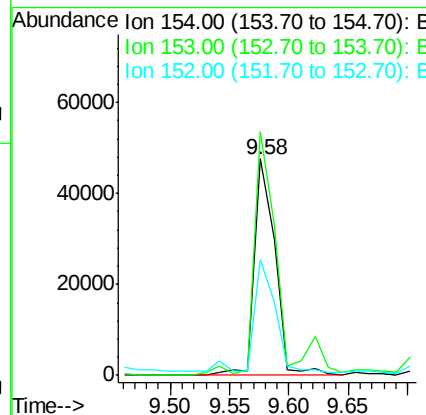
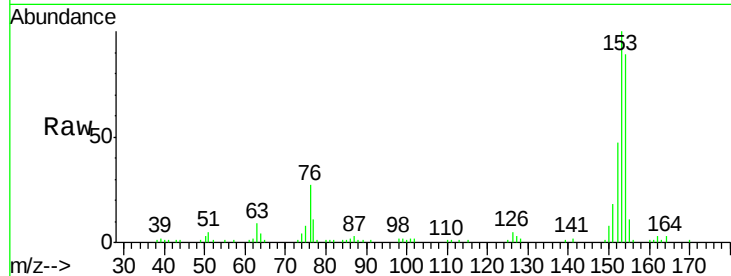
ClientSampleId :

FHSW-04-SOUTHSIDE

Tgt Ion:154	Resp:	57825
Ion Ratio	Lower	Upper
154	100	
153	112.5	90.8 136.2
152	53.2	44.2 66.4

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#54

Dibenzofuran

Concen: 3.89 ng

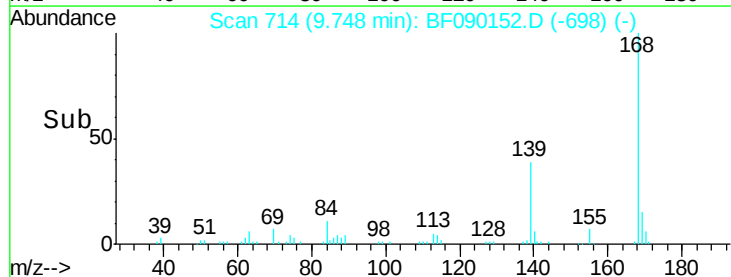
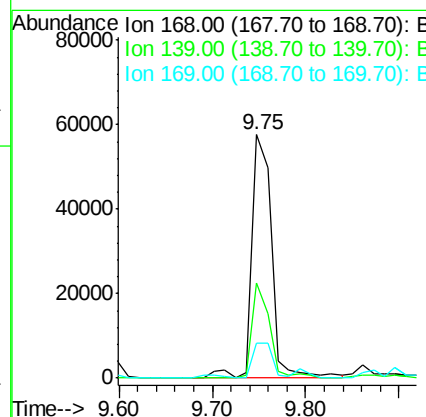
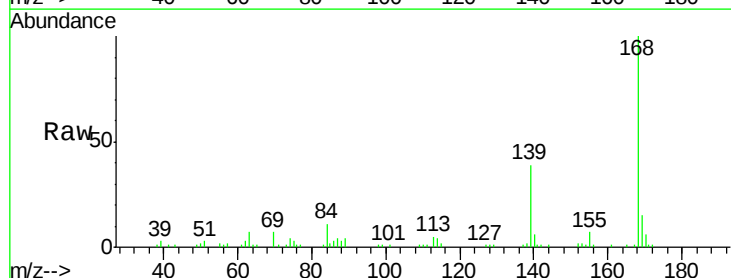
RT: 9.75 min Scan# 714

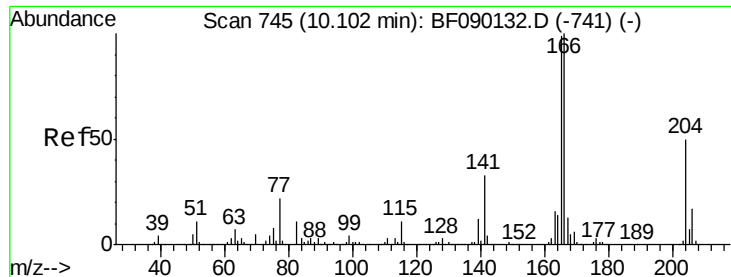
Delta R.T. -0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Tgt Ion:168	Resp:	84212
Ion Ratio	Lower	Upper
168	100	
139	39.3	28.8 43.2
169	14.6	10.7 16.1





#57

Fluorene

Concen: 7.29 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Instrument :

BNA_F

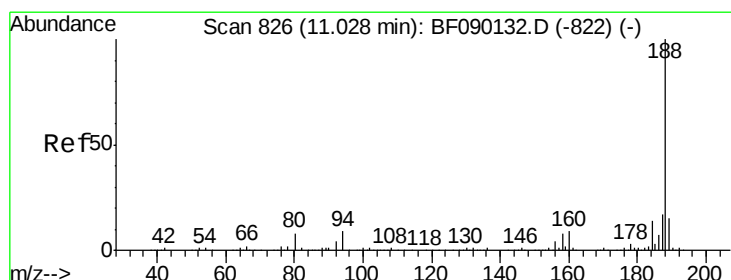
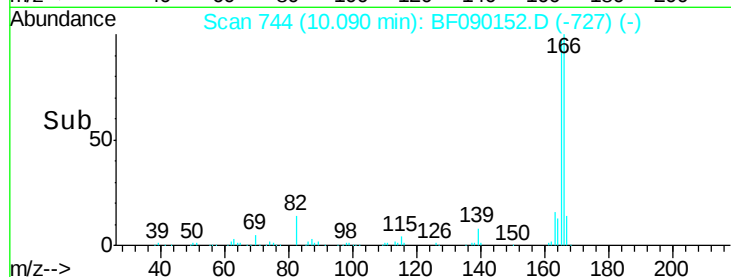
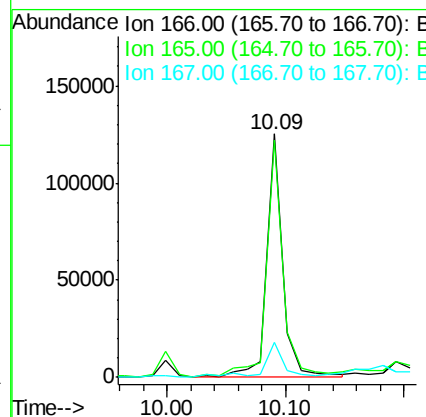
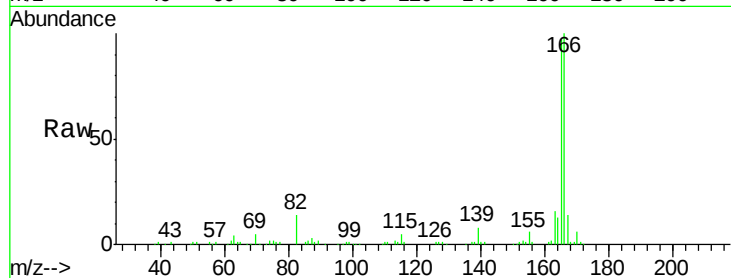
ClientSampleId :

FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	119049		
165	97.5	78.5	117.7	
167	14.5	11.2	16.8	

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#63

Phenanthrene-d10

Concen: 20.00 ng

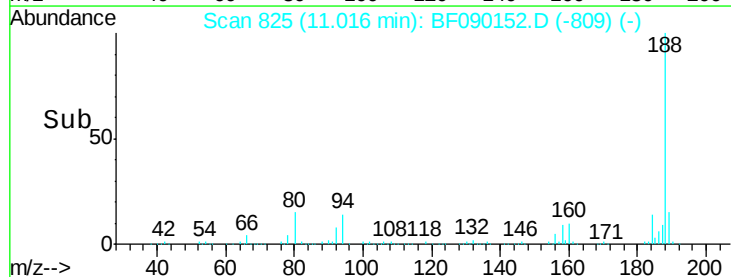
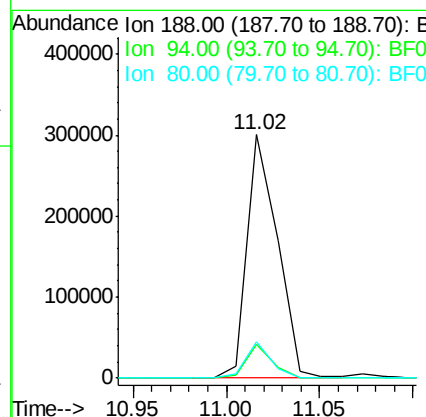
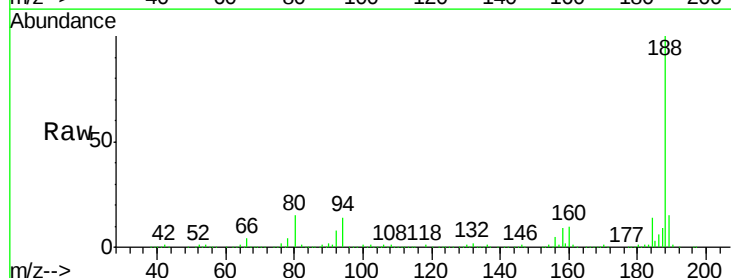
RT: 11.02 min Scan# 825

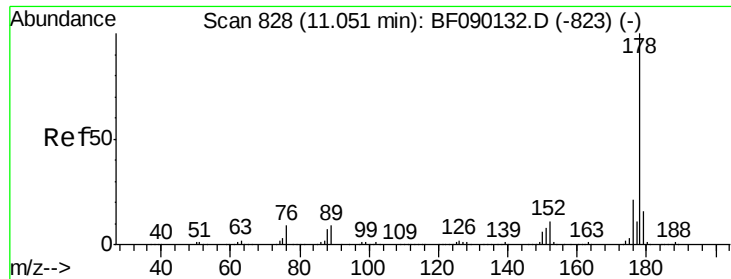
Delta R.T. -0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	340946		
94	13.9	10.5	15.7	
80	15.0	11.2	16.8	





#70

Phenanthrene

Concen: 78.42 ng

RT: 11.05 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Instrument :

BNA_F

ClientSampleId :

FHSW-04-SOUTHSIDE

Tgt Ion:178 Resp: 1250412

Ion Ratio Lower Upper

178 100

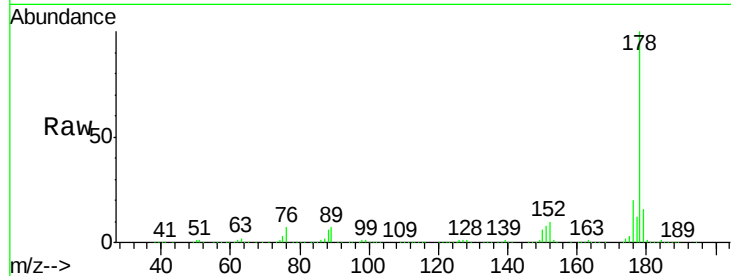
176 20.0 15.9 23.9

179 15.6 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

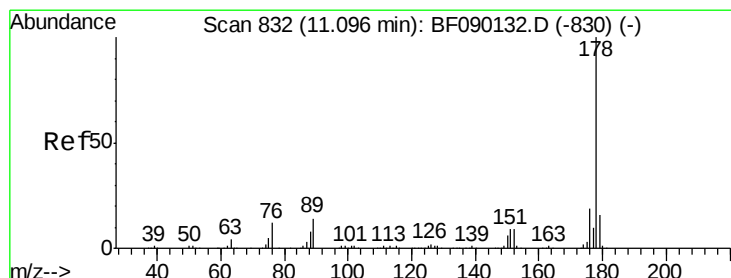
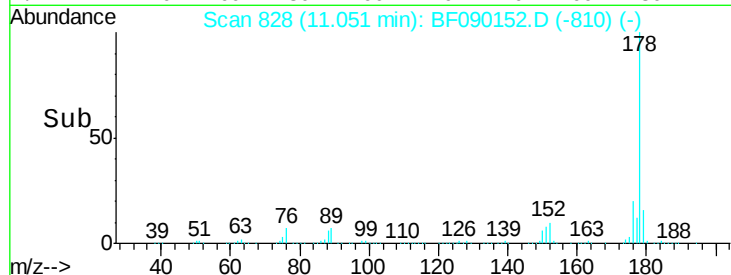
1500000

1000000

500000

0

Time-->



#71

Anthracene

Concen: 24.03 ng

RT: 11.10 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

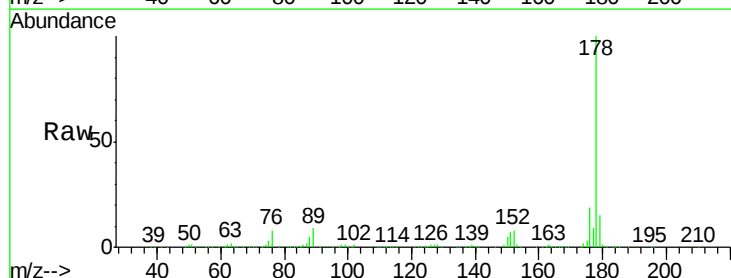
Tgt Ion:178 Resp: 401900

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.6

179 15.2 12.6 19.0



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

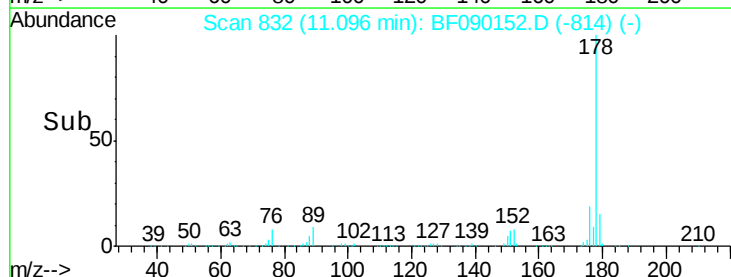
1500000

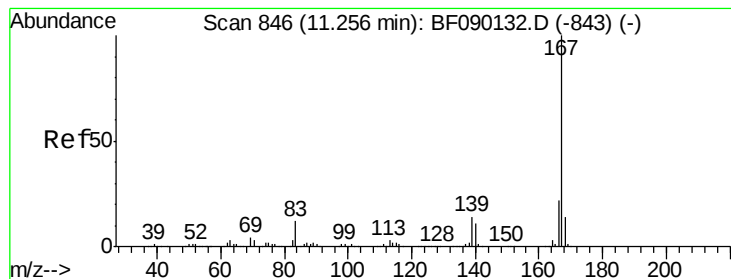
1000000

500000

0

Time-->





#72

Carbazole

Concen: 7.83 ng

RT: 11.26 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Instrument :

BNA_F

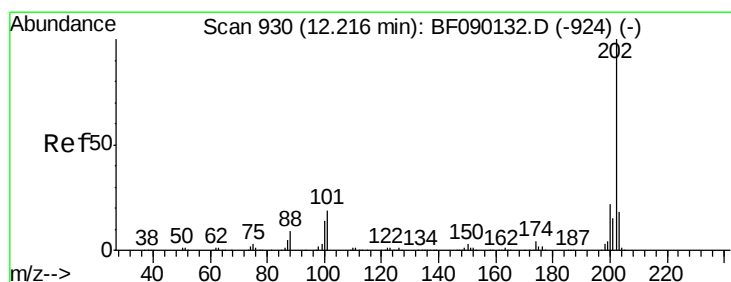
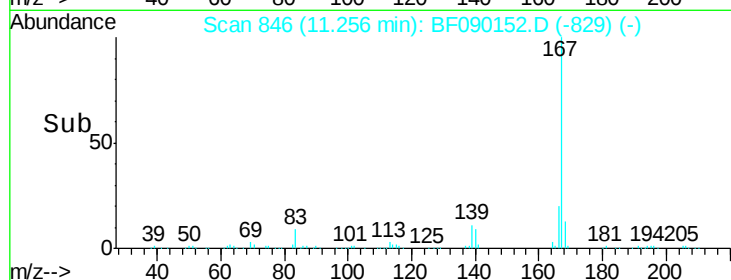
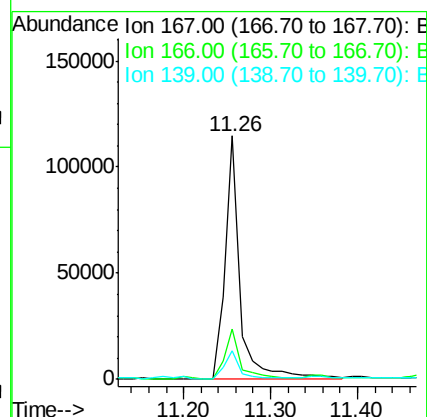
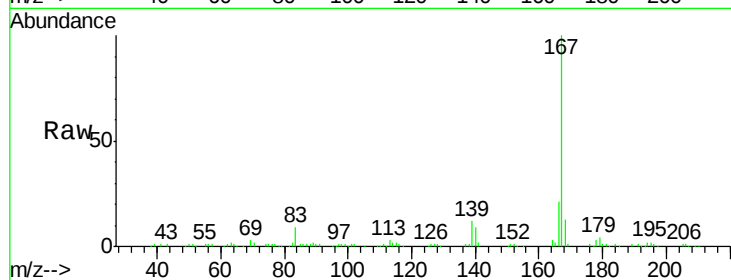
ClientSampleId :

FHSW-04-SOUTHSIDE

Tgt Ion:	167	Resp:	138372
Ion Ratio	Lower	Upper	
167	100		
166	20.9	18.0	27.0
139	11.8	10.4	15.6

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#74

Fluoranthene

Concen: 92.11 ng

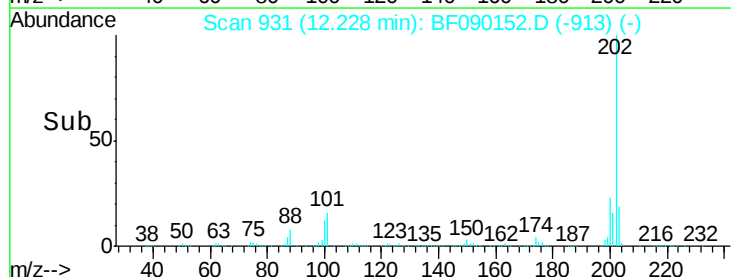
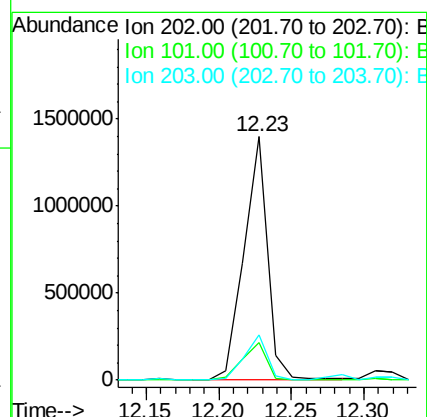
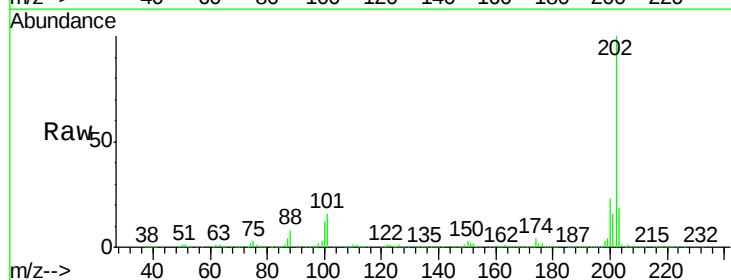
RT: 12.23 min Scan# 931

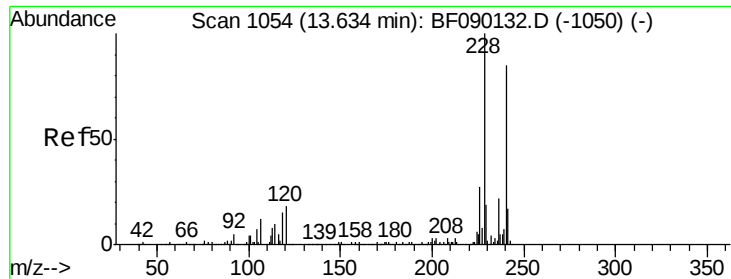
Delta R.T. 0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Tgt Ion:	202	Resp:	1576443
Ion Ratio	Lower	Upper	
202	100		
101	15.6	0.0	36.1
203	18.6	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. 0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Instrument :

BNA_F

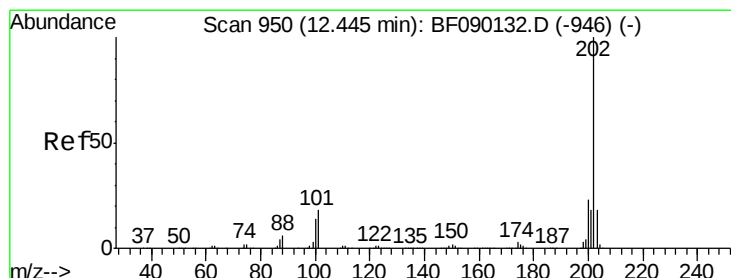
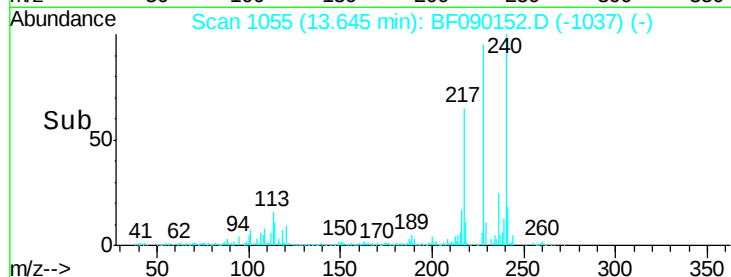
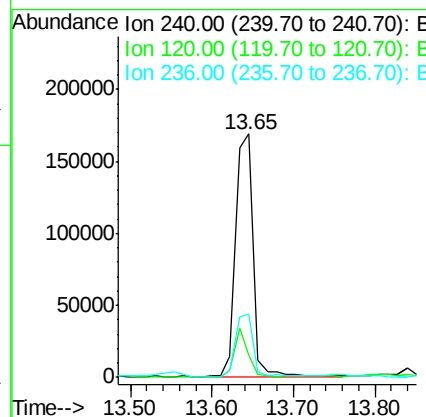
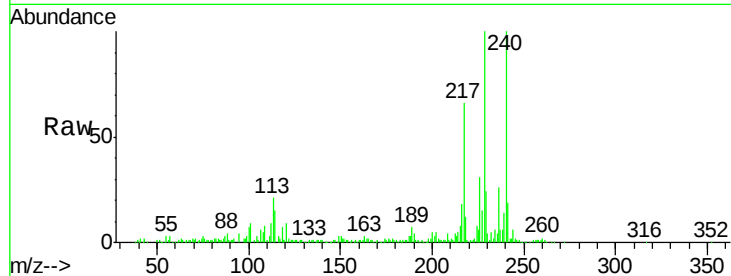
ClientSampleId :

FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	250943		
120	8.9	10.6	16.0#	
236	25.9	21.6	32.4	

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#77

Pyrene

Concen: 91.87 ng

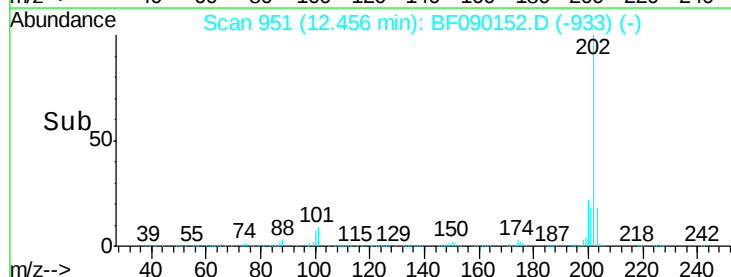
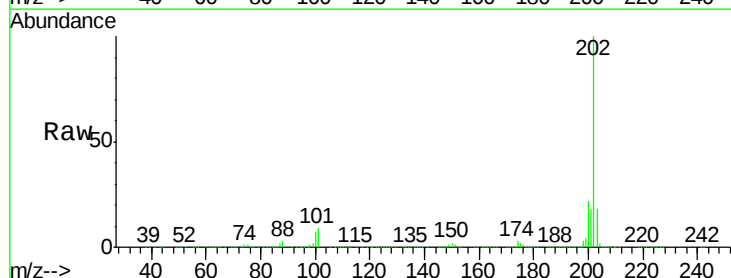
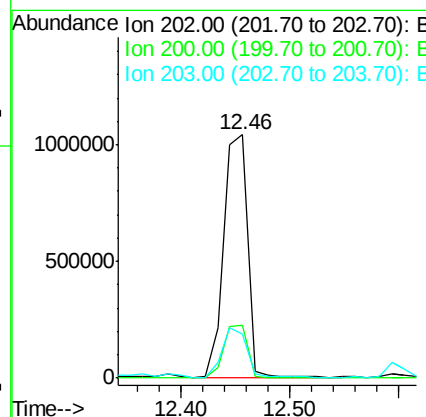
RT: 12.46 min Scan# 951

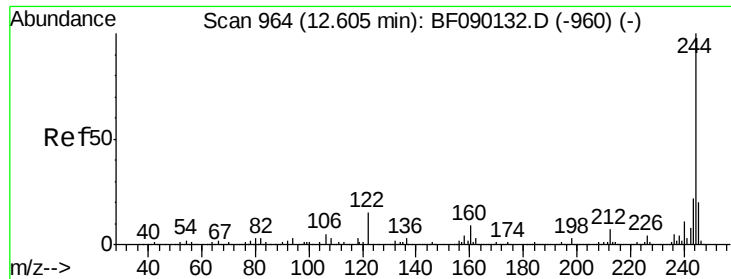
Delta R.T. 0.01 min

Lab File: BF090152.D

Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1577529		
200	21.8	17.9	26.9	
203	17.8	14.2	21.4	





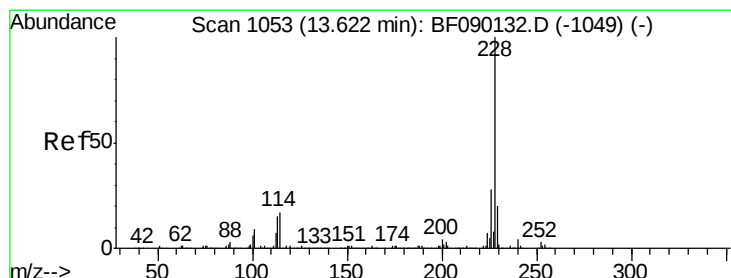
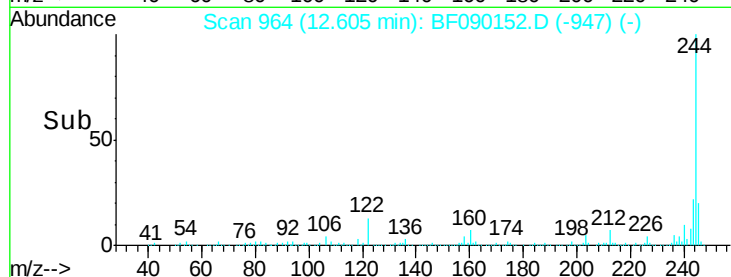
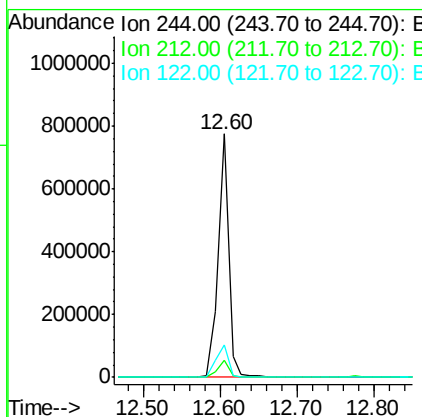
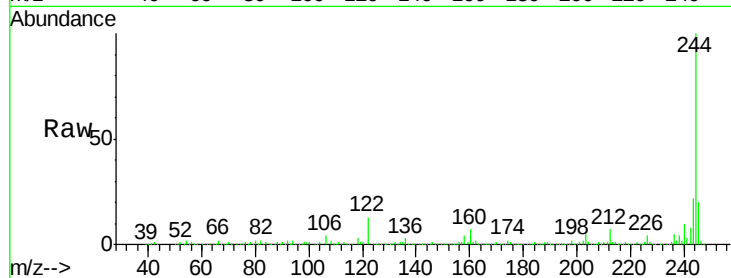
#78
 Terphenyl-d14
 Concen: 75.91 ng
 RT: 12.60 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: BF090152.D
 Acq: 20 Sep 2016 23:49

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	13.2	9.4	14.0

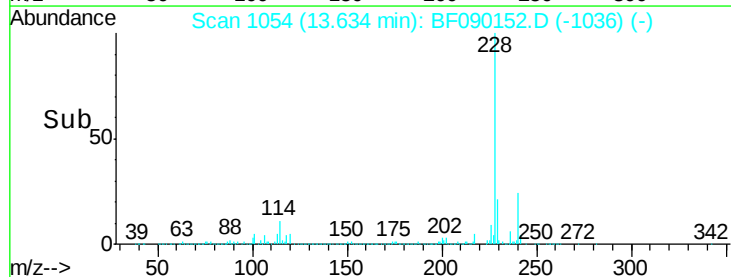
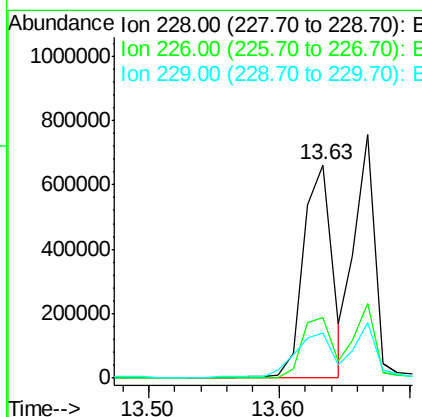
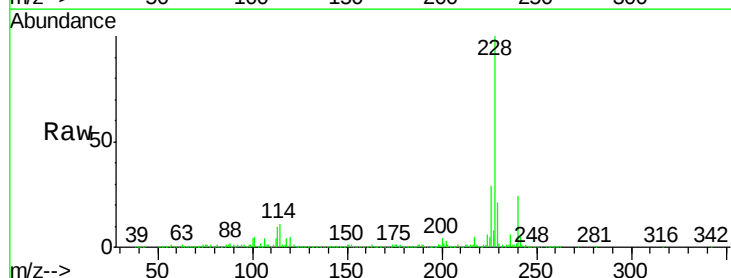
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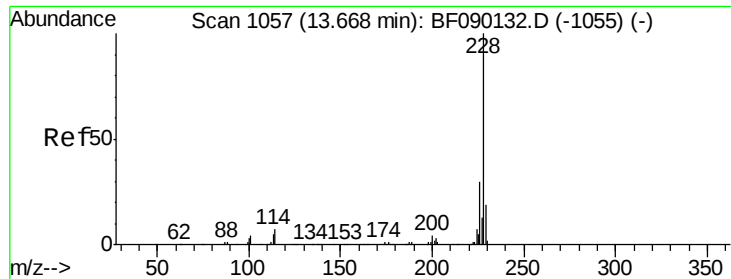
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#80
 Benzo(a)anthracene
 Concen: 73.94 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: BF090152.D
 Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.0	33.0
229	21.0	16.2	24.2





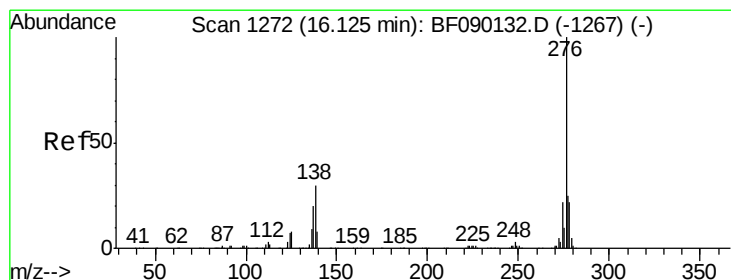
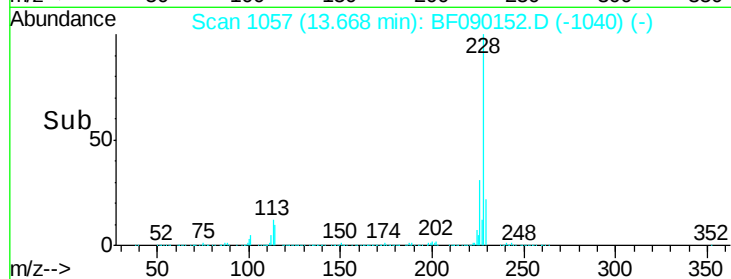
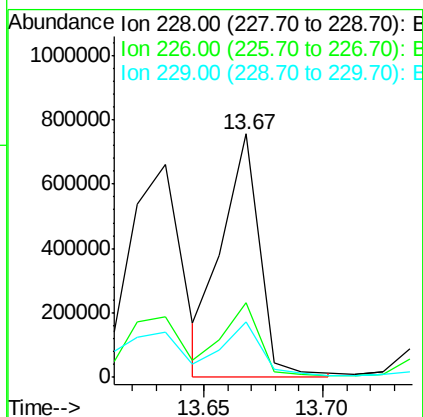
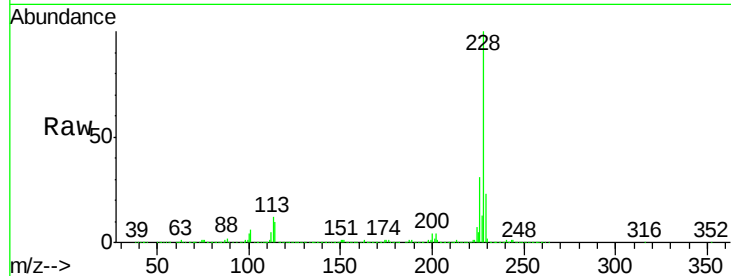
#82
Chrysene
Concen: 63.18 ng m
RT: 13.67 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	22.8	16.2	24.4

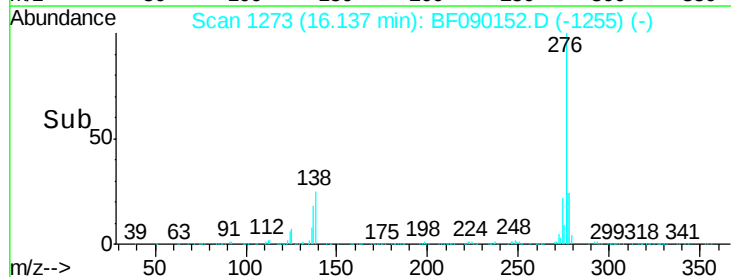
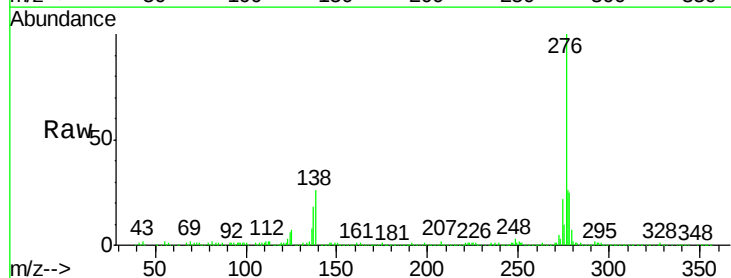
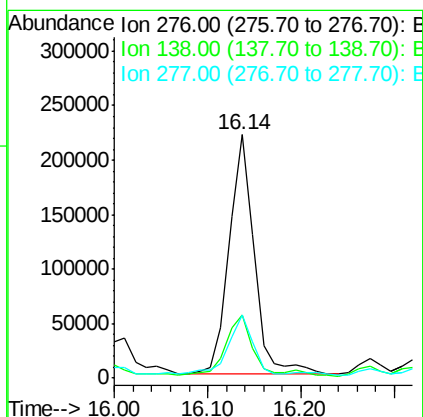
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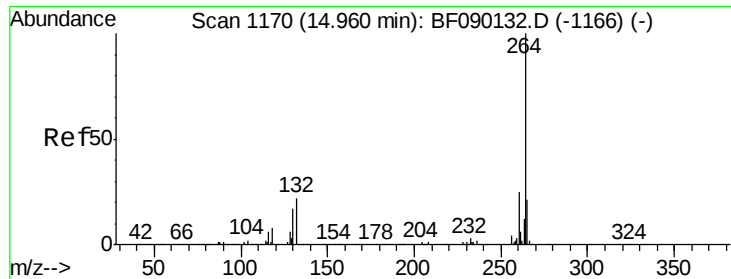
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#85
Indeno(1,2,3-cd)pyrene
Concen: 38.84 ng
RT: 16.14 min Scan# 1273
Delta R.T. 0.01 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	25.9	38.9#
277	26.4	19.9	29.9





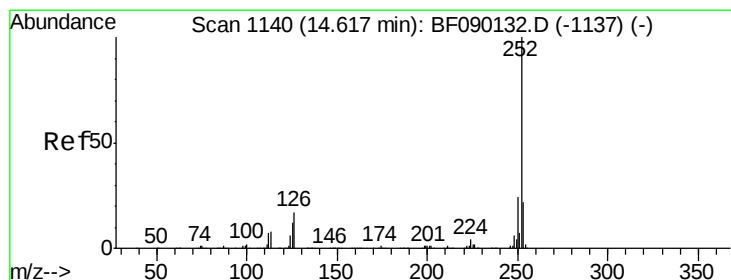
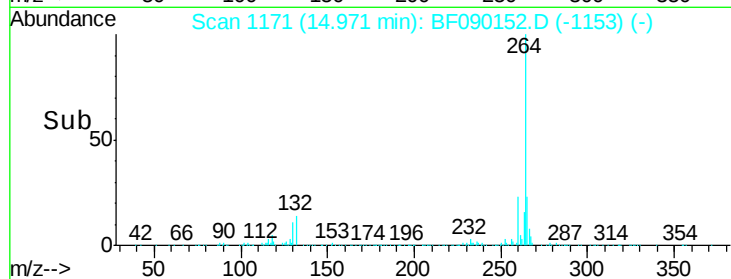
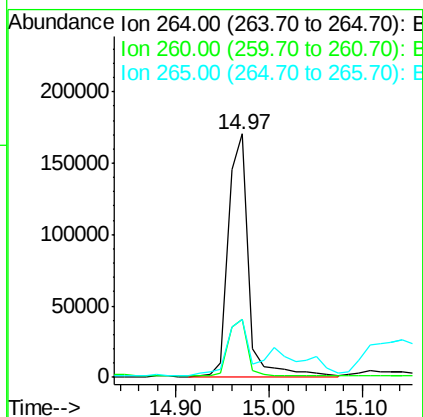
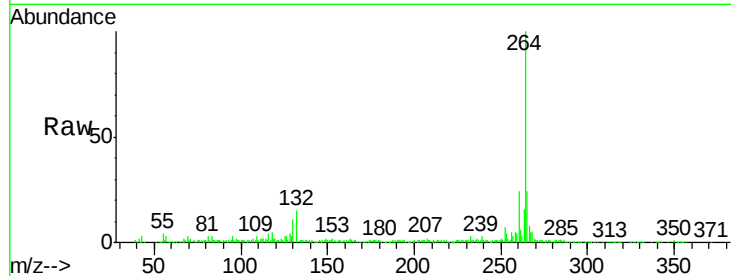
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	257986		
260	24.1	19.5	29.3	
265	23.8	17.0	25.4	

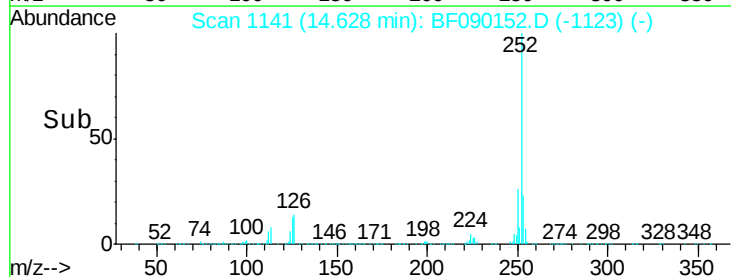
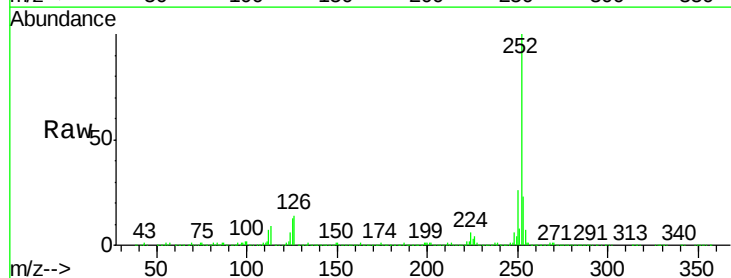
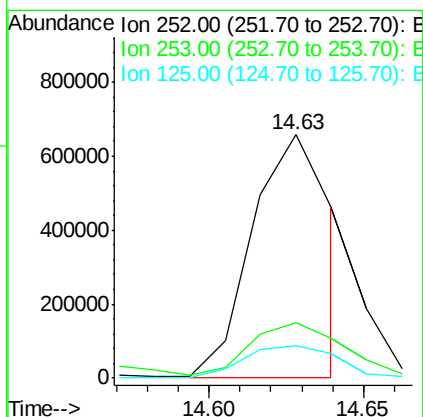
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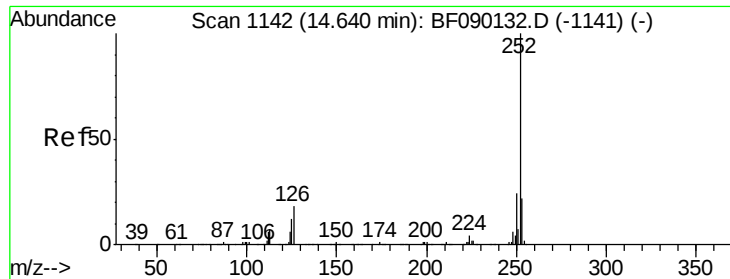
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#87
Benzo(b)fluoranthene
Concen: 82.64 ng m
RT: 14.63 min Scan# 1141
Delta R.T. 0.01 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1180601		
253	23.0	17.9	26.9	
125	13.3	12.7	19.1	





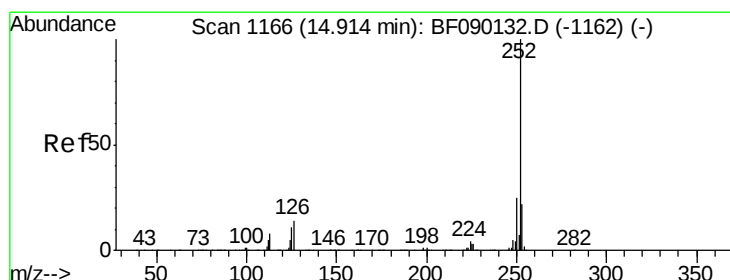
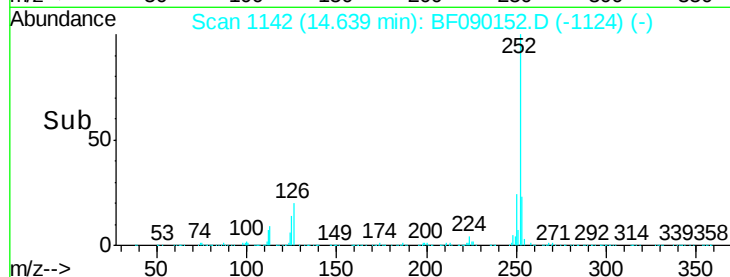
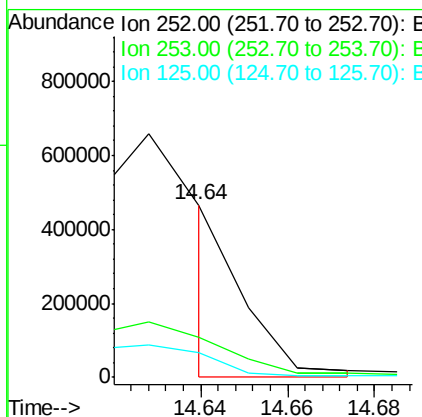
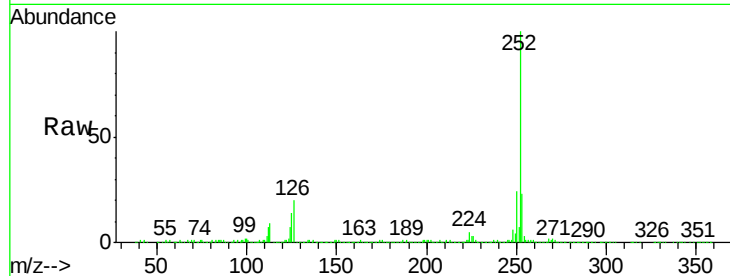
#88
Benzo(k)fluoranthene
Concen: 11.92 ng m
RT: 14.64 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	14.4	7.8	11.6#

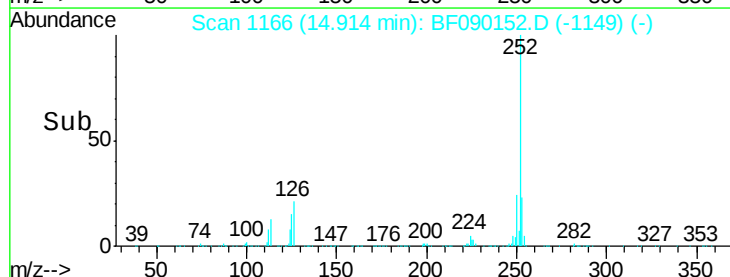
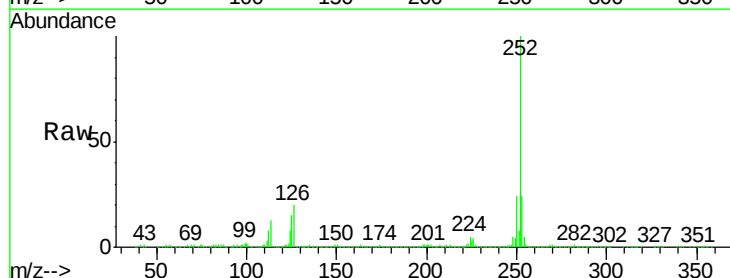
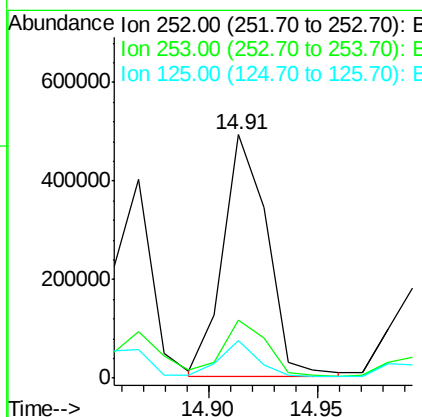
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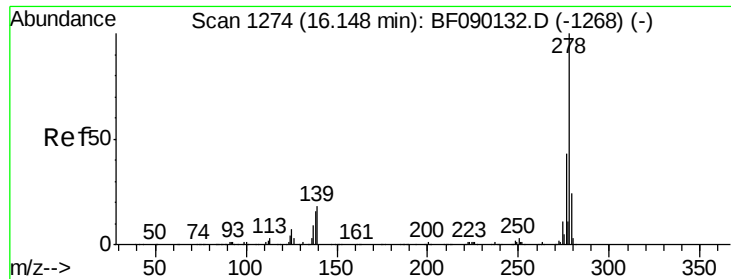
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#89
Benzo(a)pyrene
Concen: 51.12 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	15.3	7.7	11.5#





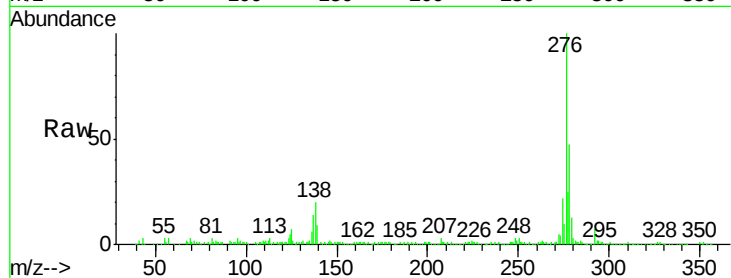
#90
Dibenzo(a,h)anthracene
Concen: 9.52 ng m
RT: 16.15 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Instrument :
BNA_F
ClientSampleId :
FHSW-04-SOUTHSIDE

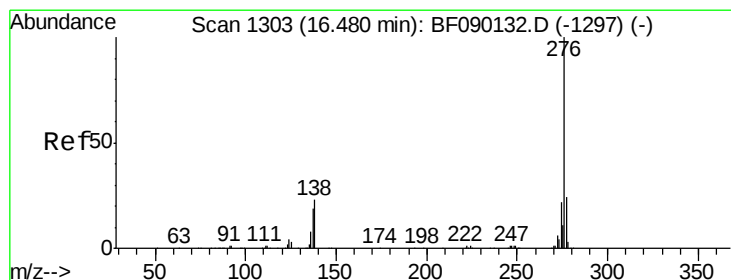
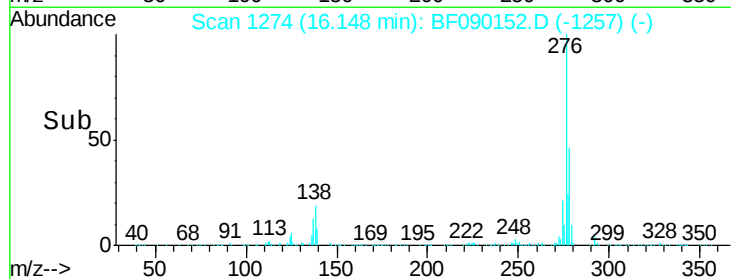
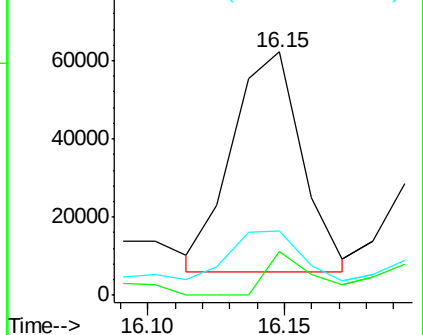
Tgt Ion:	278	Resp:	99821
Ion Ratio	Lower	Upper	
278	100		
139	18.1	14.6	21.8
279	26.6	18.8	28.2

Manual Integrations
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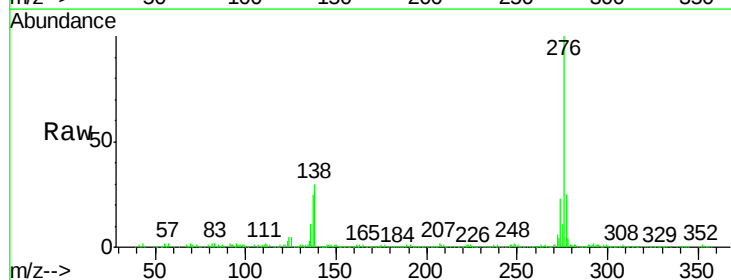


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 39.24 ng
RT: 16.48 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF090152.D
Acq: 20 Sep 2016 23:49

Tgt Ion:	276	Resp:	402709
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.9	28.3
138	30.1	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

