

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
 Data File : BF090151.D
 Acq On : 20 Sep 2016 23:21
 Operator : UM/SJ
 Sample : H4850-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-03-NORTHSIDE

Manual Integrations
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Quant Time: Sep 21 03:34:25 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	157307	20.00	ng	-0.01
21) Naphthalene-d8	7.80	136	593027	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	312035	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	397090	20.00	ng	-0.01
75) Chrysene-d12	13.63	240	279514	20.00	ng	0.00
86) Perylene-d12	14.96	264	242936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	1019239	105.61	ng	0.01
7) Phenol-d6	6.17	99	1404981	117.88	ng	0.00
23) Nitrobenzene-d5	7.08	82	801407	78.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	229144	85.60	ng	-0.01
44) 2-Fluorobiphenyl	8.89	172	1317686	82.90	ng	0.00
78) Terphenyl-d14	12.61	244	862243	78.32	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.40	152	102646	3.84	ng	98
49) Dimethylphthalate	9.29	163	534954	26.92	ng	99
51) Acenaphthene	9.58	154	39693	2.50	ng	98
57) Fluorene	10.09	166	63622	4.04	ng	100
70) Phenanthrene	11.04	178	758260	40.83	ng	99
71) Anthracene	11.10	178	232370	11.93	ng	97
72) Carbazole	11.26	167	75281	3.66	ng	98
73) Di-n-butylphthalate	11.61	149	76250	3.18	ng	# 98
74) Fluoranthene	12.23	202	1274883	63.96	ng	93
77) Pyrene	12.45	202	1060713	55.46	ng	99
80) Benzo(a)anthracene	13.62	228	665563	44.26	ng	95
82) Chrysene	13.66	228	468426m	31.98	ng	
85) Indeno(1,2,3-cd)pyrene	16.14	276	280904	23.72	ng	93
87) Benzo(b)fluoranthene	14.62	252	634642m	47.18	ng	
88) Benzo(k)fluoranthene	14.63	252	264608m	20.96	ng	
89) Benzo(a)pyrene	14.91	252	455231	35.97	ng	# 95
90) Dibenzo(a,h)anthracene	16.14	278	68145m	6.90	ng	
91) Benzo(g,h,i)perylene	16.48	276	255170	26.40	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF090151.D

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BNA_F

ClientSampleId :

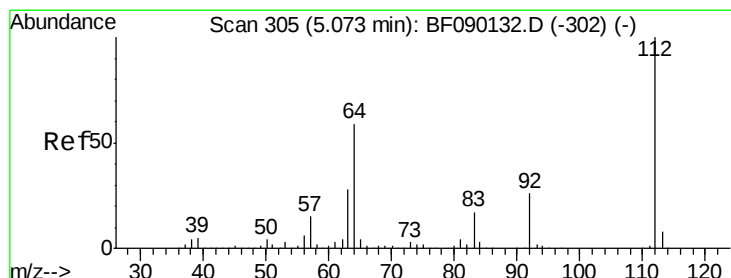
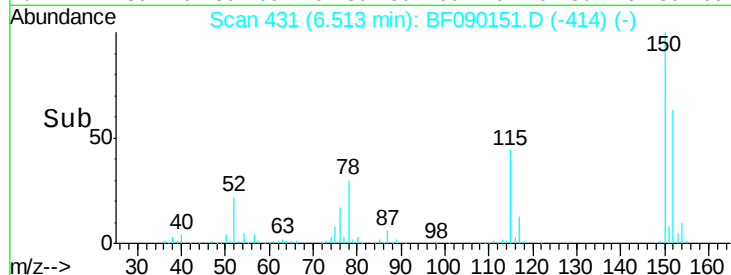
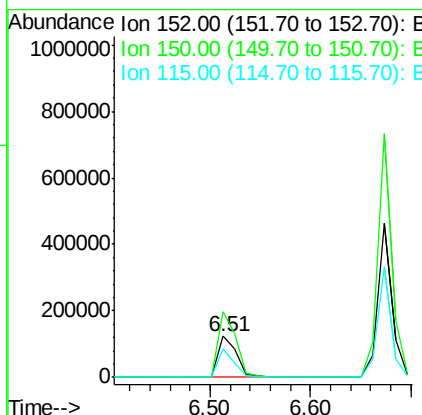
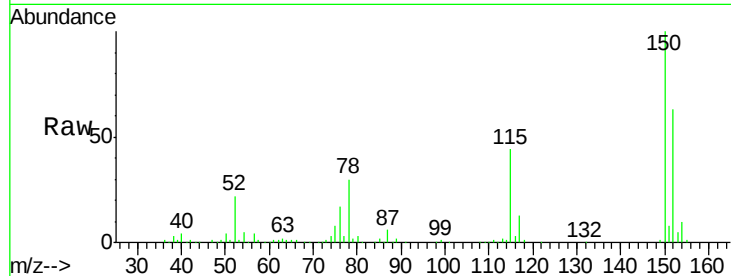
FHSW-03-NORTHSIDE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.1	128.9	193.3
115	69.7	55.5	83.3

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#5

2-Fluorophenol

Concen: 105.61 ng

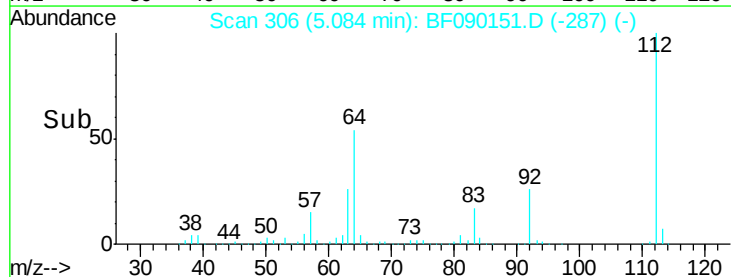
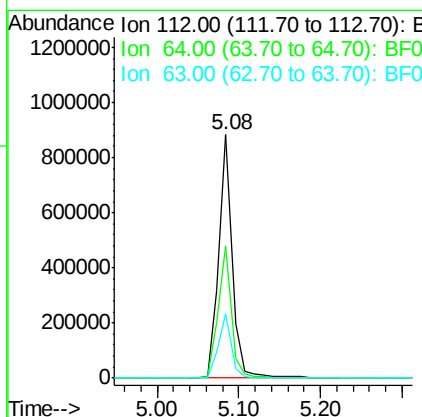
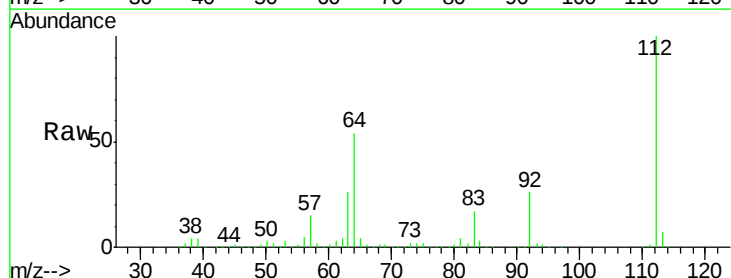
RT: 5.08 min Scan# 306

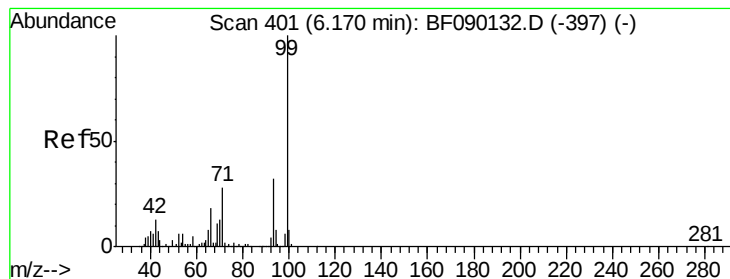
Delta R.T. 0.01 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	39.8	59.6
63	26.4	18.9	28.3





#7

Phenol-d6

Concen: 117.88 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090151.D

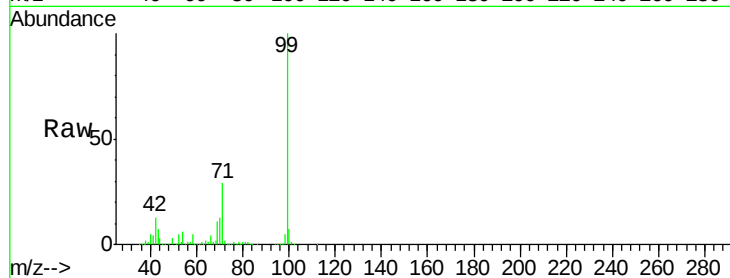
Acq: 20 Sep 2016 23:21

Instrument :

BNA_F

ClientSampleId :

FHSW-03-NORTHSIDE



Tgt Ion: 99 Resp: 1404981

Ion Ratio Lower Upper

99 100

42 13.2 10.6 15.8

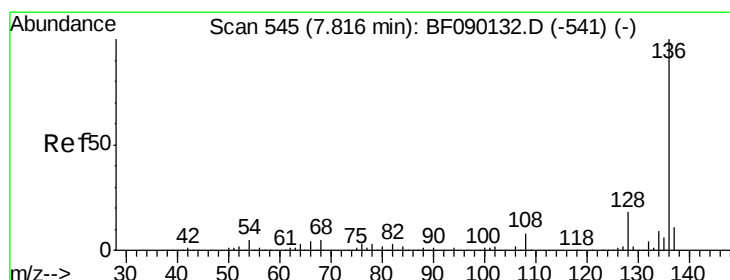
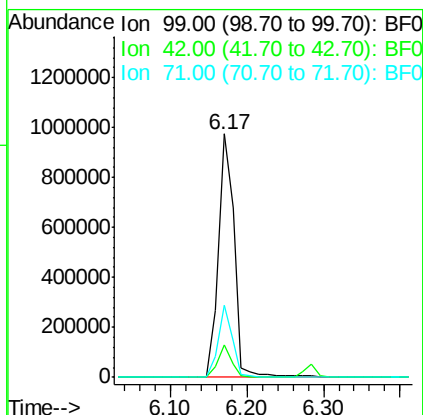
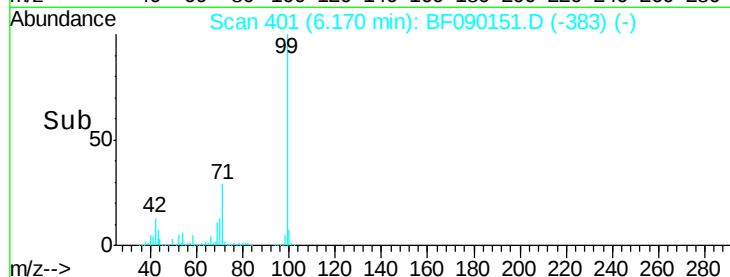
71 29.4 23.0 34.6

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Tgt Ion: 136 Resp: 593027

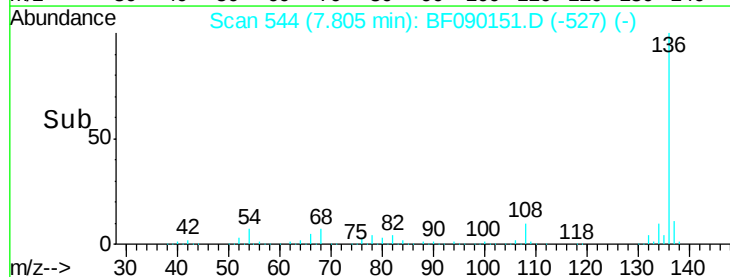
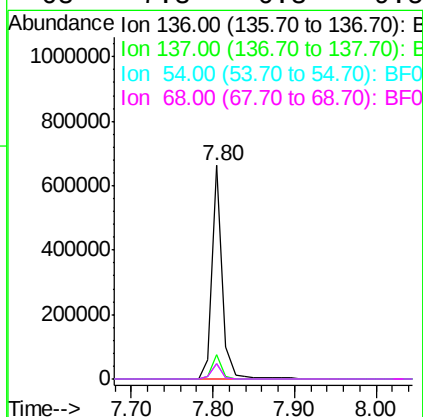
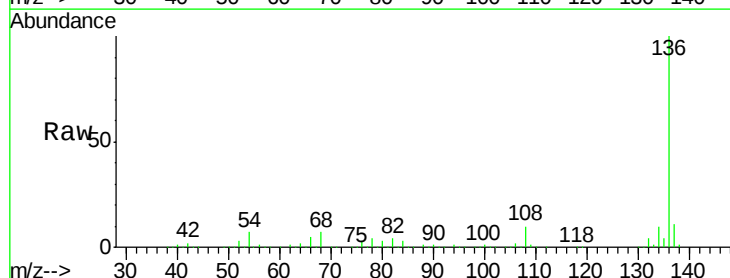
Ion Ratio Lower Upper

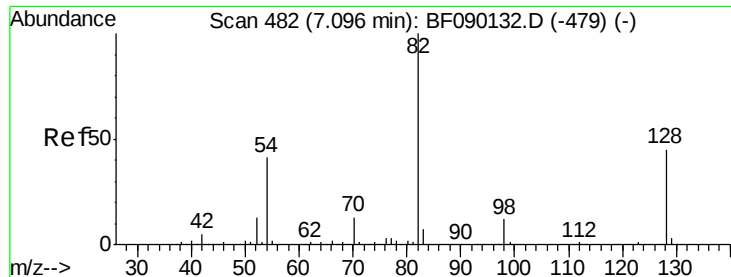
136 100

137 11.2 9.0 13.4

54 7.4 6.4 9.6

68 7.3 6.3 9.5





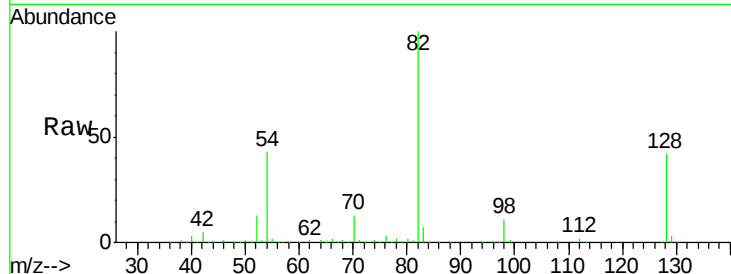
#23
 Nitrobenzene-d5
 Concen: 78.34 ng
 RT: 7.08 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: BF090151.D
 Acq: 20 Sep 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-03-NORTHSIDE

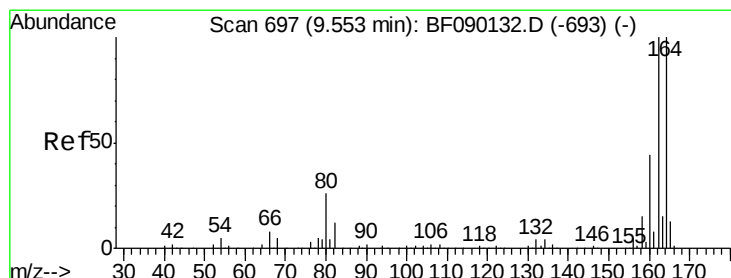
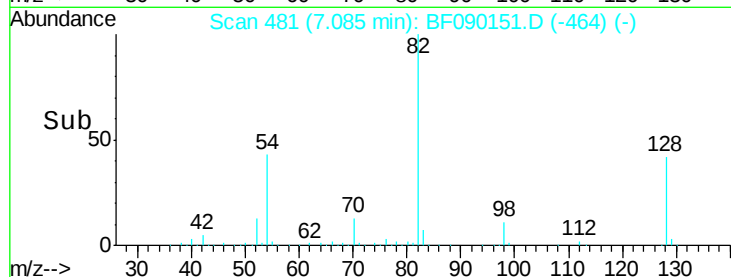
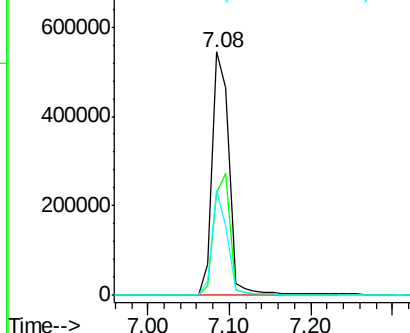
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.2	37.5	56.3
54	43.1	31.9	47.9

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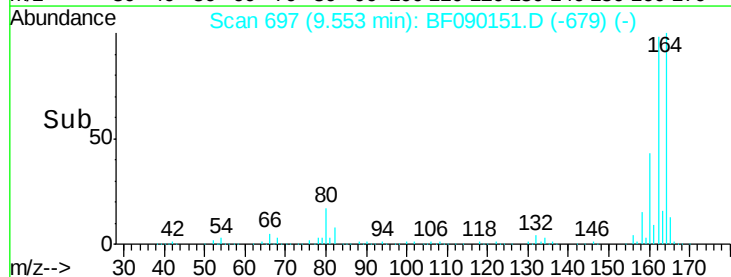
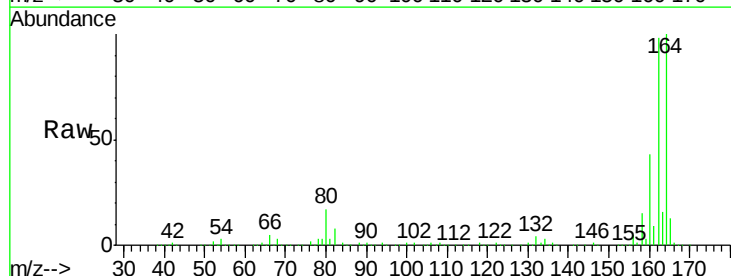
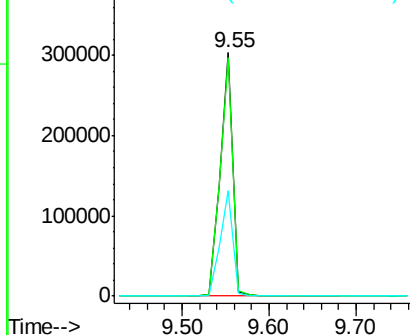
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

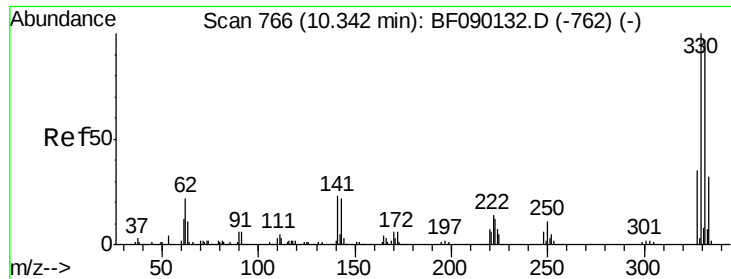


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: BF090151.D
 Acq: 20 Sep 2016 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.0	81.4	122.2
160	43.2	36.6	54.8

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





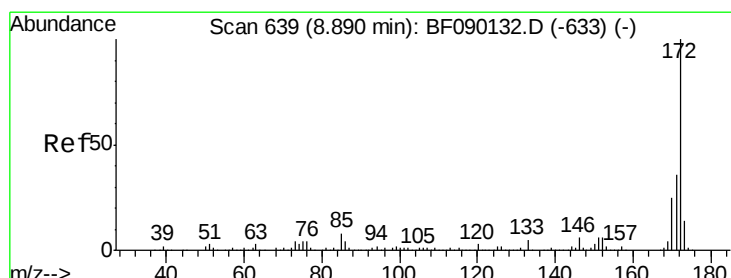
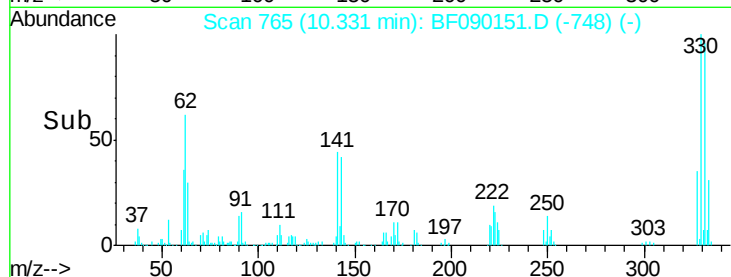
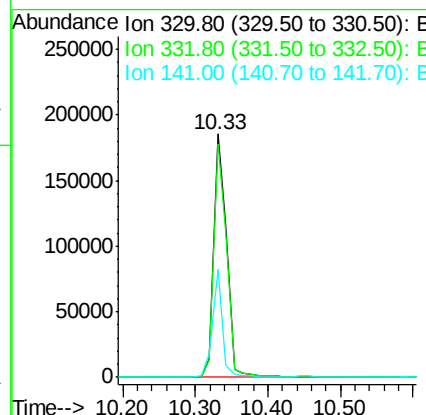
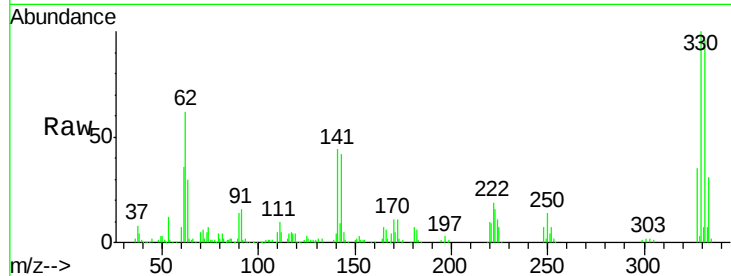
#41
 2,4,6-Tribromophenol
 Concen: 85.60 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF090151.D
 Acq: 20 Sep 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-03-NORTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	229144		
332	95.7	78.1	117.1	
141	33.5	23.9	35.9	

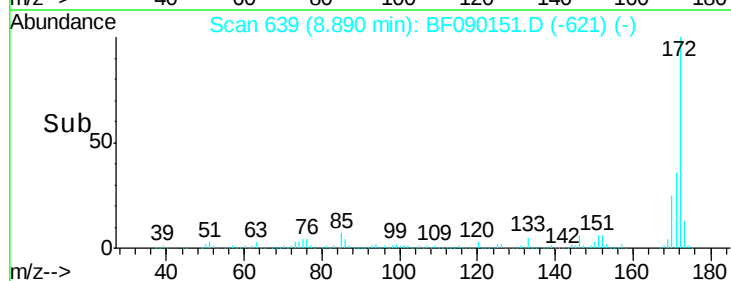
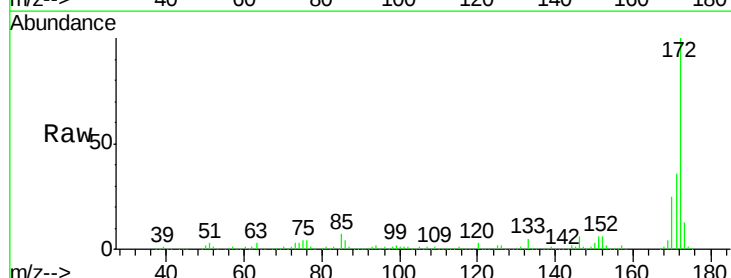
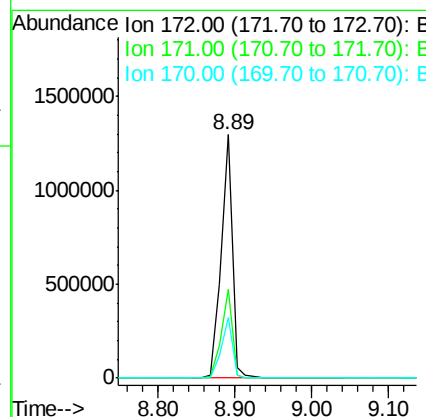
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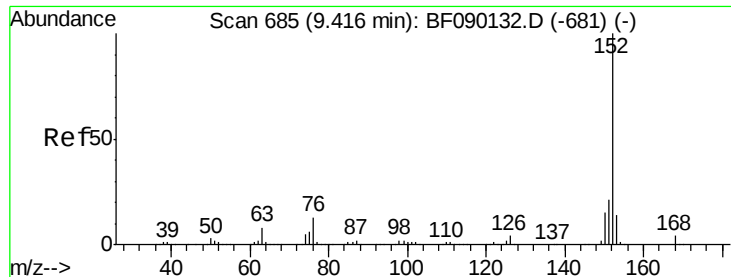
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#44
 2-Fluorobiphenyl
 Concen: 82.90 ng
 RT: 8.89 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF090151.D
 Acq: 20 Sep 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1317686		
171	36.4	29.2	43.8	
170	24.9	19.8	29.8	





#48

Acenaphthylene

Concen: 3.84 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Instrument :

BNA_F

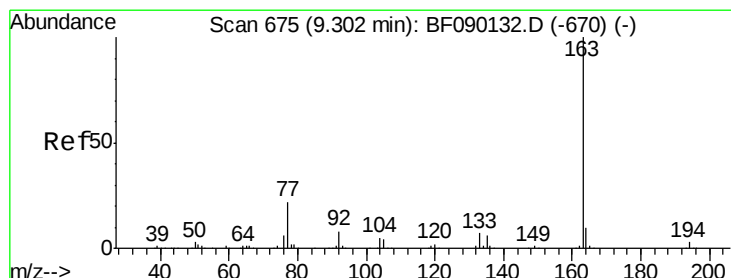
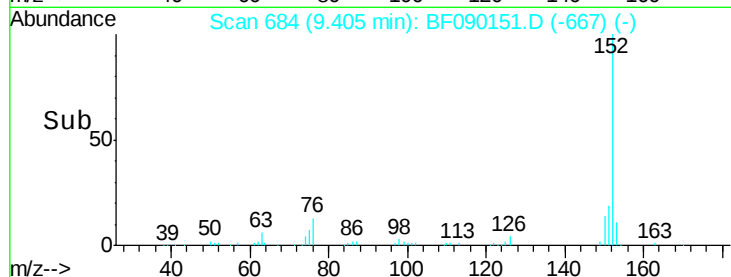
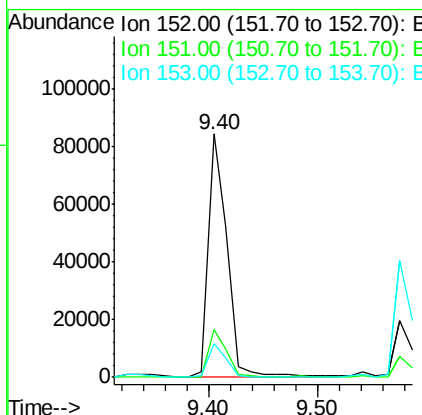
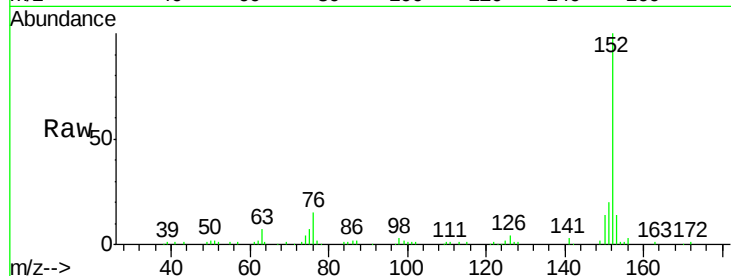
ClientSampleId :

FHSW-03-NORTHSIDE

Tgt Ion:	152	Resp:	102646
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.5	24.7
153	13.7	10.6	15.8

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#49

Dimethylphthalate

Concen: 26.92 ng

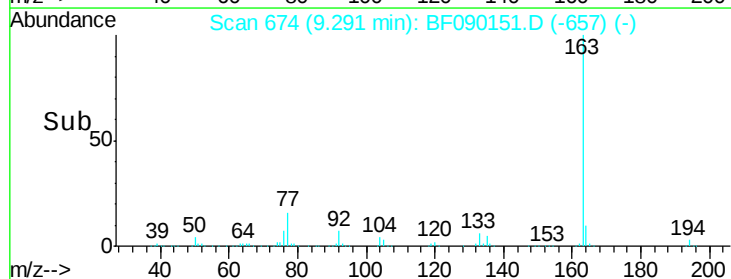
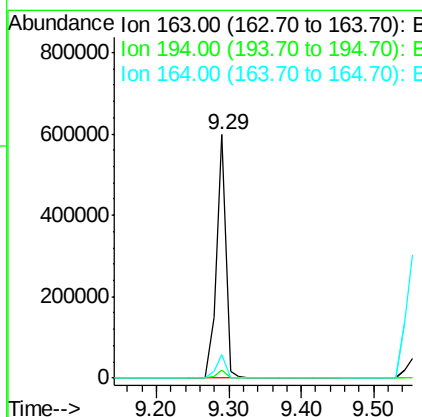
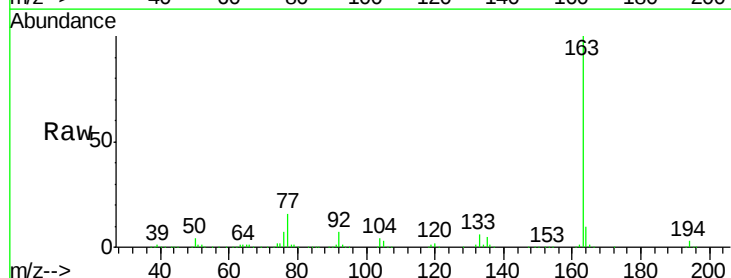
RT: 9.29 min Scan# 674

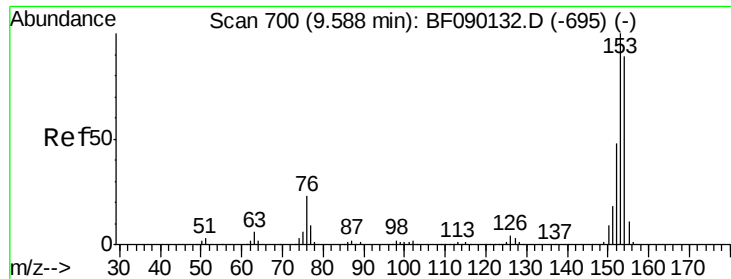
Delta R.T. -0.01 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Tgt Ion:	163	Resp:	534954
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.8	4.2
164	9.9	8.1	12.1





#51

Acenaphthene

Concen: 2.50 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Instrument :

BNA_F

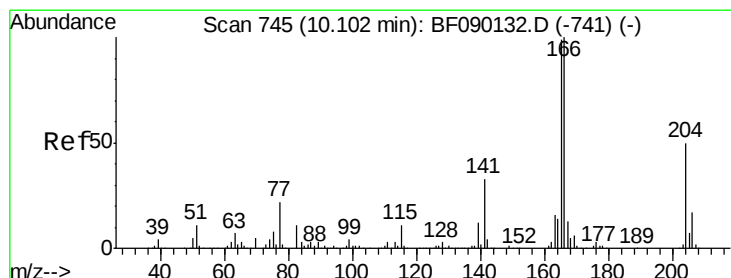
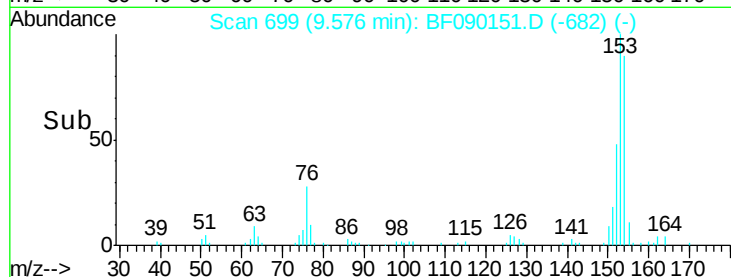
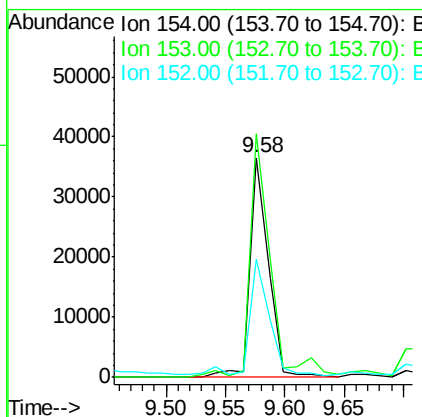
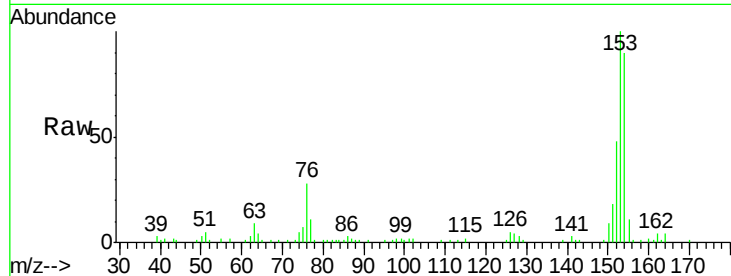
ClientSampleId :

FHSW-03-NORTHSIDE

Tgt Ion:	154	Resp:	39693
Ion Ratio	Lower	Upper	
154	100		
153	110.9	90.8	136.2
152	53.7	44.2	66.4

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#57

Fluorene

Concen: 4.04 ng

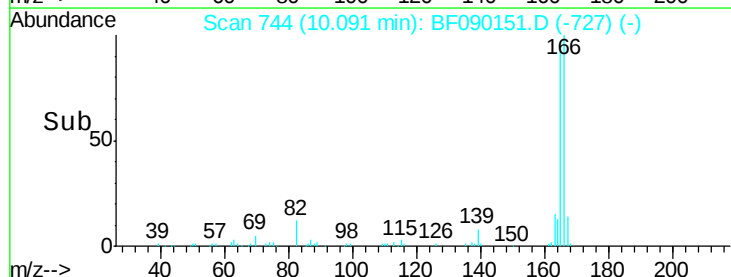
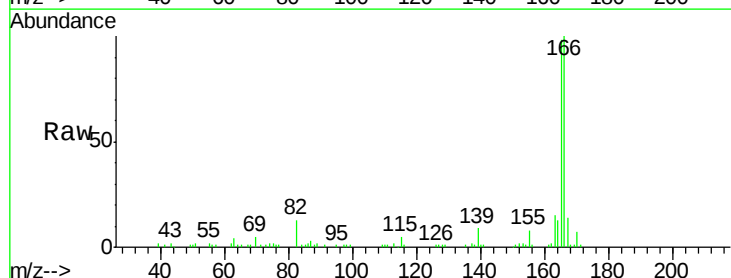
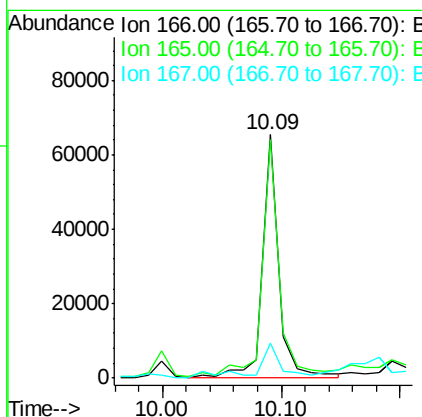
RT: 10.09 min Scan# 744

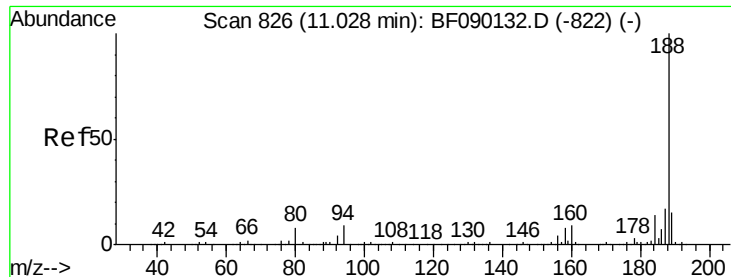
Delta R.T. -0.01 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Tgt Ion:	166	Resp:	63622
Ion Ratio	Lower	Upper	
166	100		
165	97.9	78.5	117.7
167	14.4	11.2	16.8





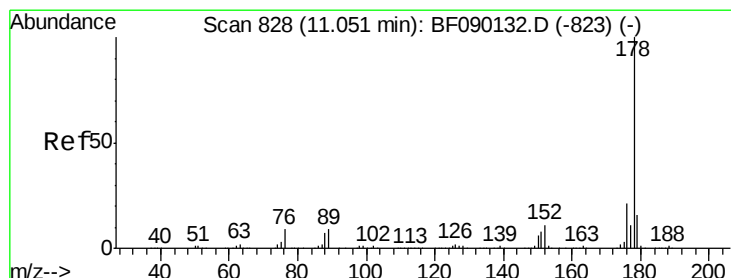
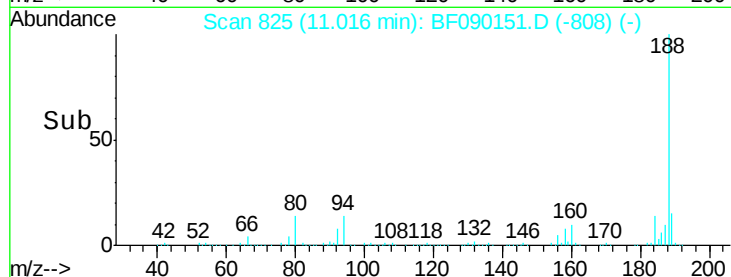
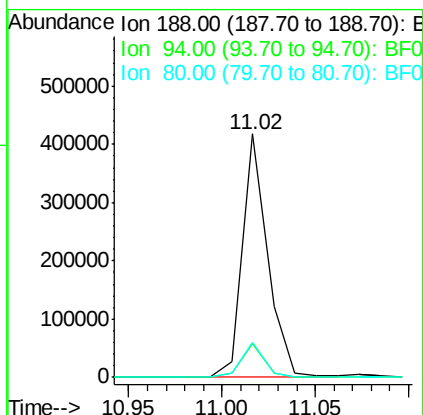
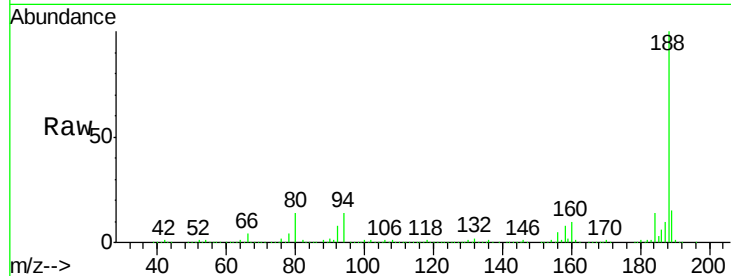
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF090151.D
Acq: 20 Sep 2016 23:21

Instrument :
BNA_F
ClientSampleId :
FHSW-03-NORTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	397090		
94	13.6	10.5	15.7	
80	14.4	11.2	16.8	

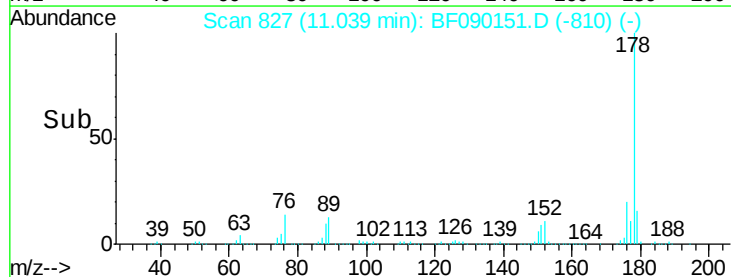
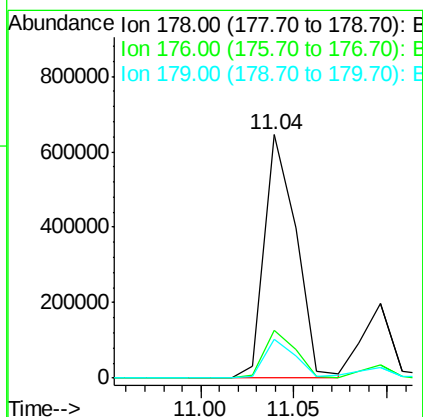
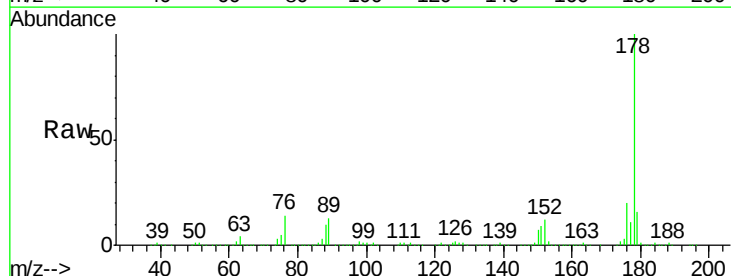
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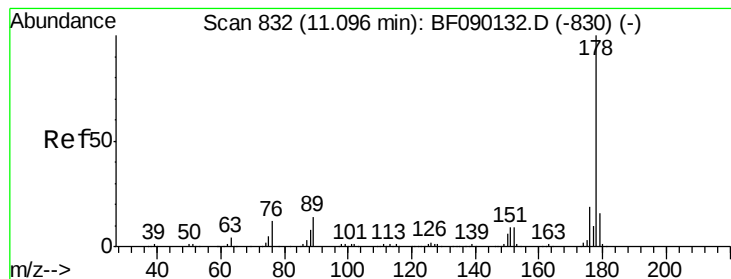
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#70
Phenanthrene
Concen: 40.83 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF090151.D
Acq: 20 Sep 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	758260		
176	19.6	15.9	23.9	
179	15.8	12.9	19.3	





#71

Anthracene

Concen: 11.93 ng

RT: 11.10 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Instrument :

BNA_F

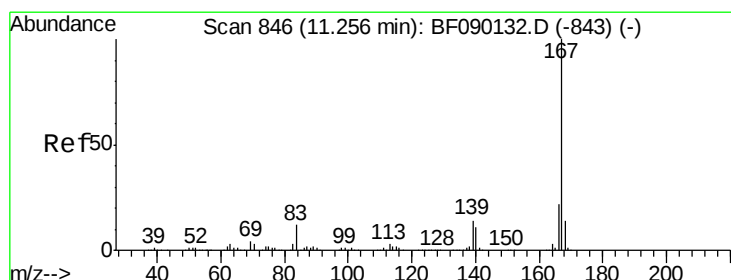
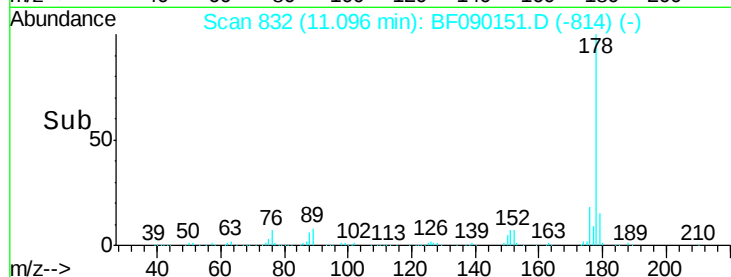
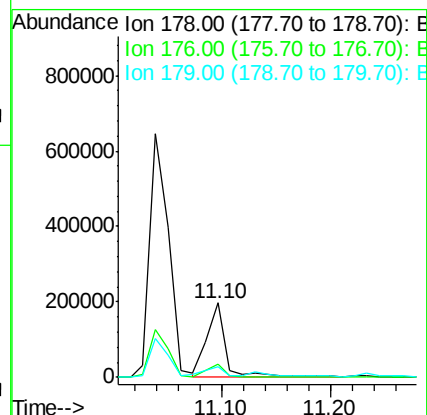
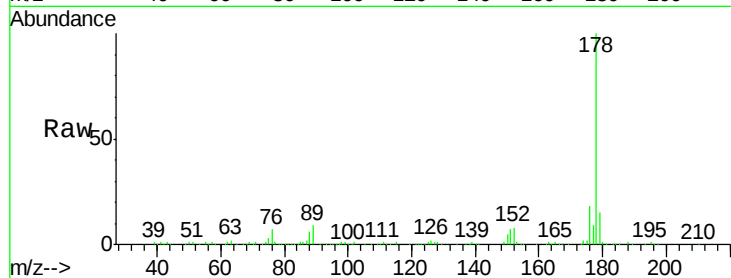
ClientSampleId :

FHSW-03-NORTHSIDE

Tgt Ion:	178	Resp:	232370
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.8	23.6
179	14.7	12.6	19.0

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#72

Carbazole

Concen: 3.66 ng

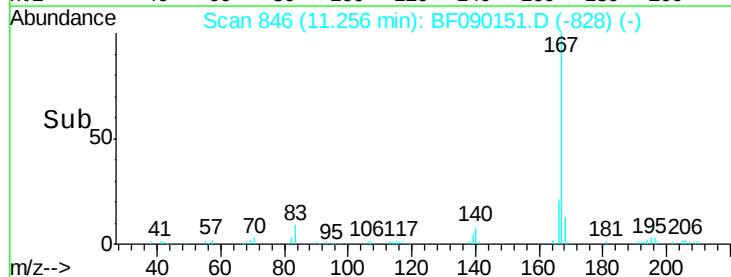
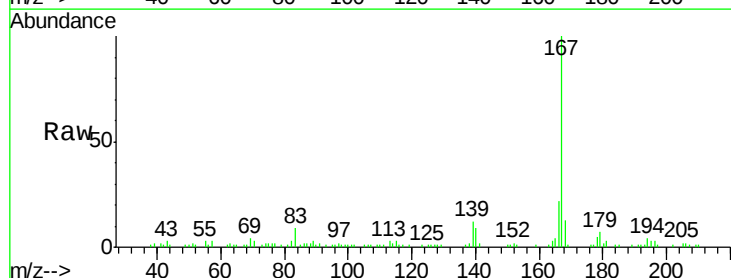
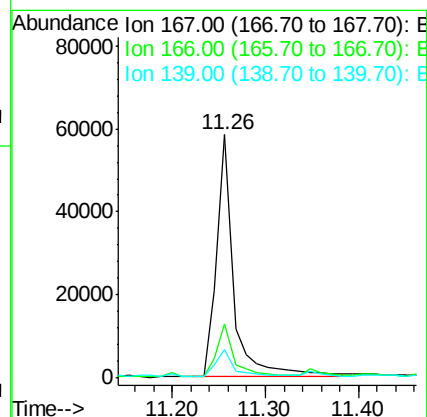
RT: 11.26 min Scan# 846

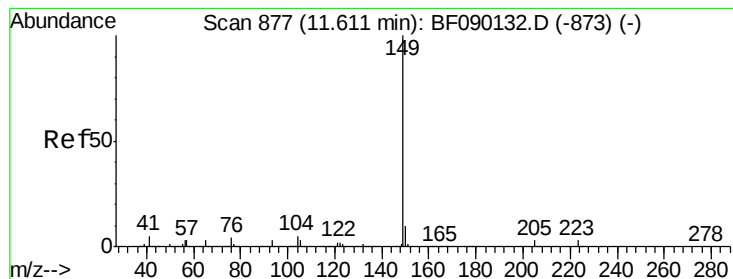
Delta R.T. 0.00 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Tgt Ion:	167	Resp:	75281
Ion Ratio	Lower	Upper	
167	100		
166	22.1	18.0	27.0
139	12.0	10.4	15.6





#73

Di-n-butylphthalate

Concen: 3.18 ng

RT: 11.61 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Instrument :

BNA_F

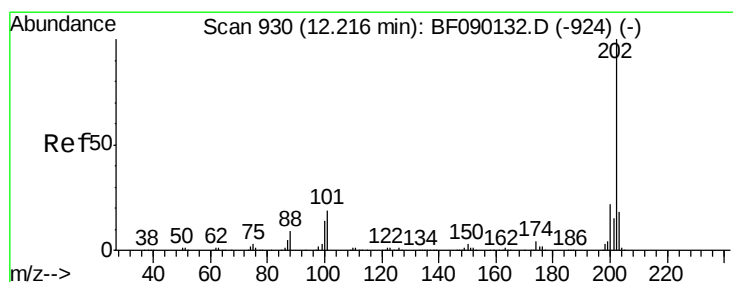
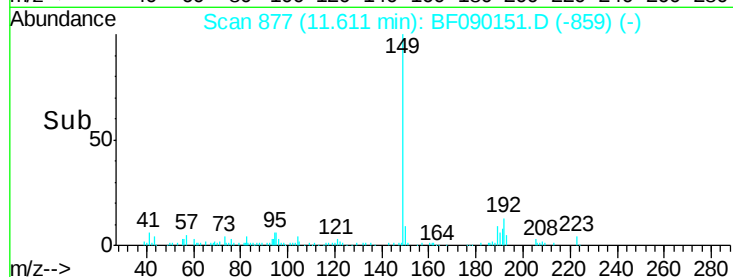
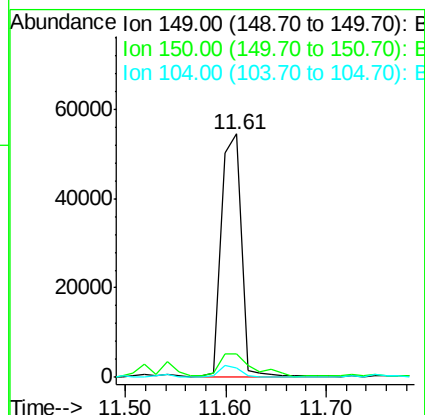
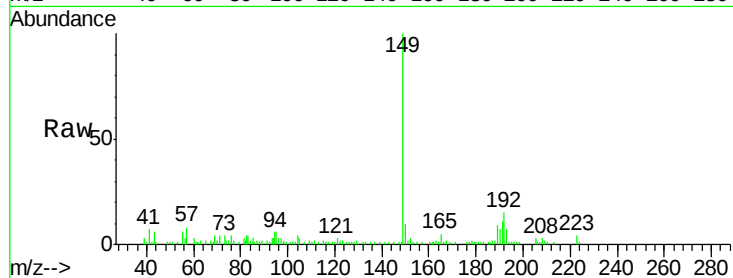
ClientSampleId :

FHSW-03-NORTHSIDE

Tgt Ion:	149	Resp:	76250
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.8	11.8
104	3.6	3.9	5.9

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#74

Fluoranthene

Concen: 63.96 ng

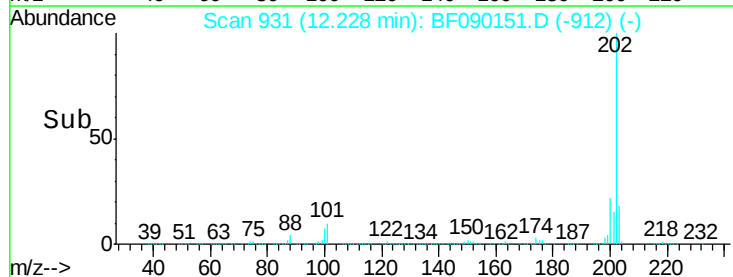
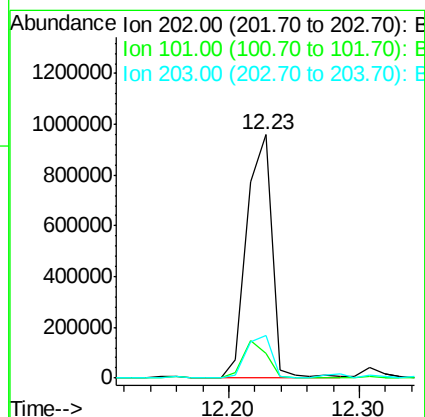
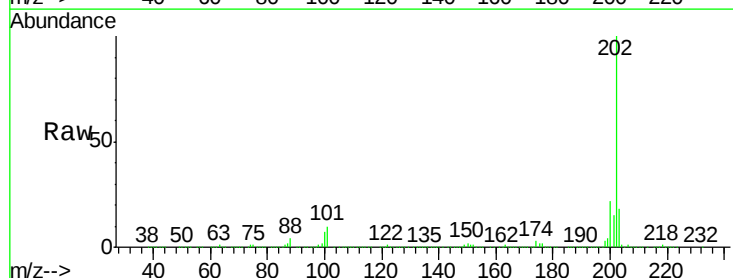
RT: 12.23 min Scan# 931

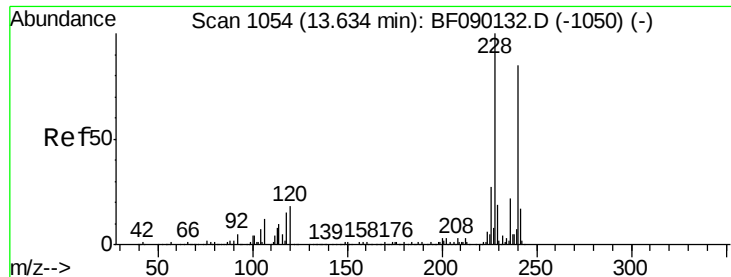
Delta R.T. 0.01 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Tgt Ion:	202	Resp:	1274883
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	36.1
203	17.7	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.63 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Instrument :

BNA_F

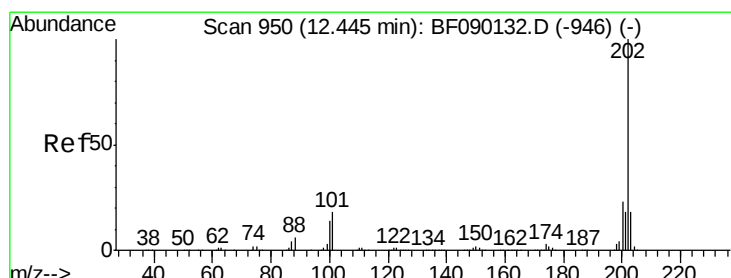
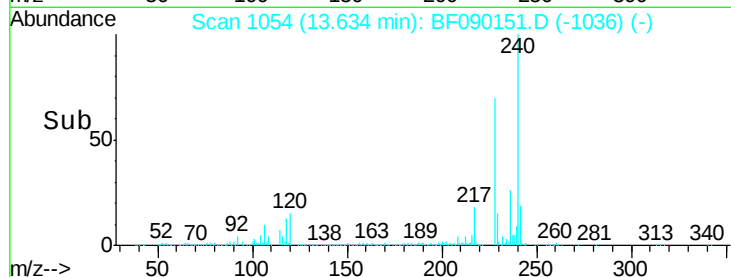
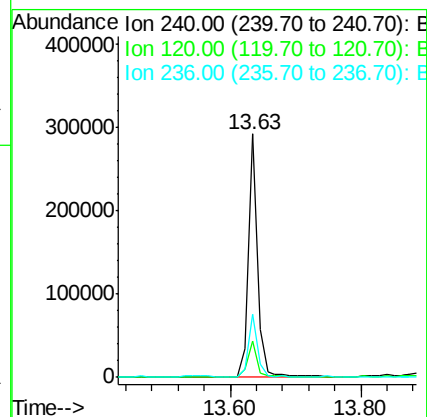
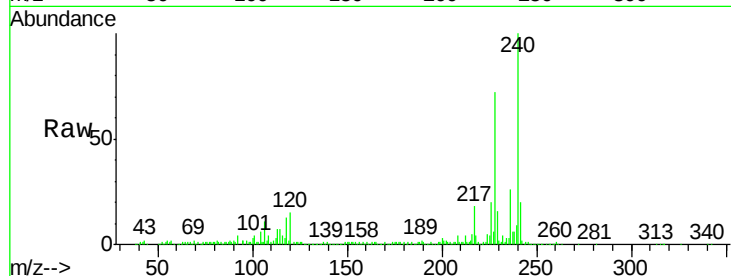
ClientSampleId :

FHSW-03-NORTHSIDE

Tgt Ion:	240	Resp:	279514
Ion Ratio	Lower	Upper	
240	100		
120	15.1	10.6	16.0
236	25.7	21.6	32.4

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#77

Pyrene

Concen: 55.46 ng

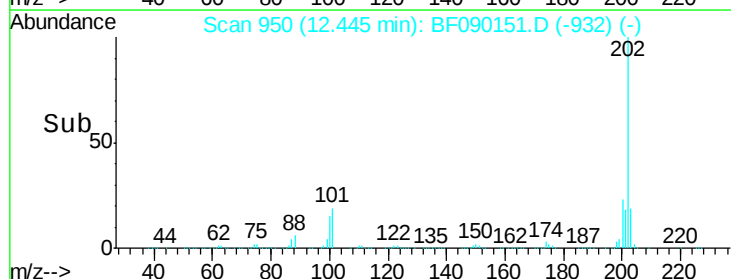
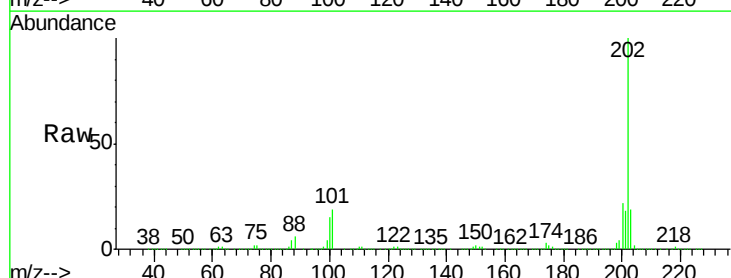
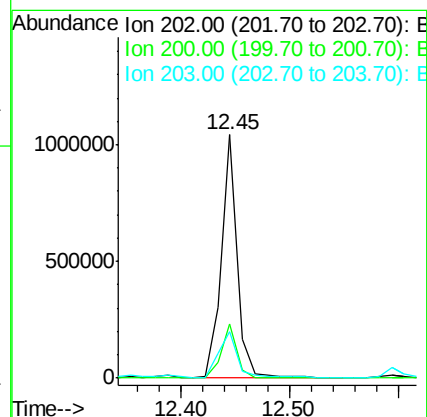
RT: 12.45 min Scan# 950

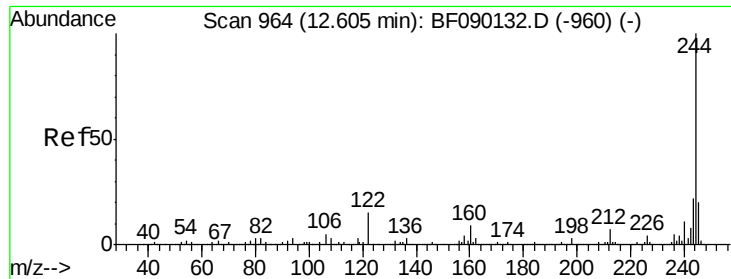
Delta R.T. 0.00 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Tgt Ion:	202	Resp:	1060713
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.9	26.9
203	18.8	14.2	21.4





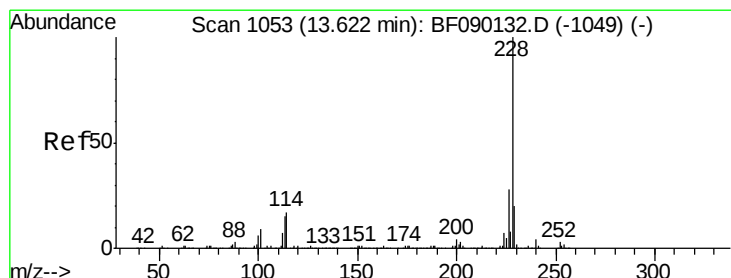
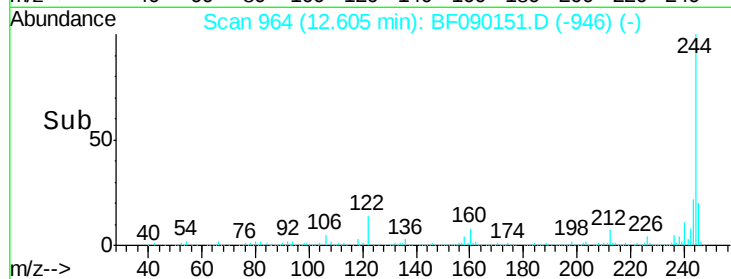
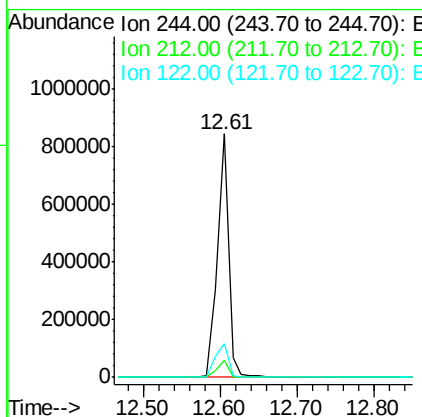
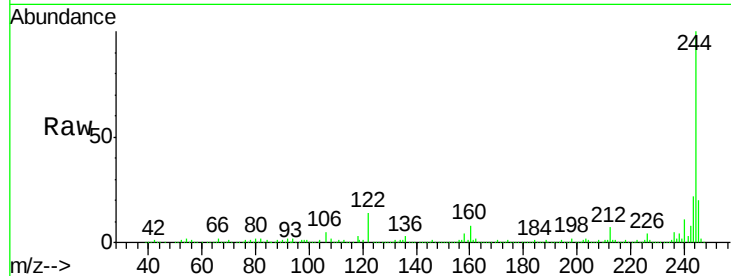
#78
 Terphenyl-d14
 Concen: 78.32 ng
 RT: 12.61 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: BF090151.D
 Acq: 20 Sep 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-03-NORTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	862243		
212	7.0		5.8	8.8
122	13.8		9.4	14.0

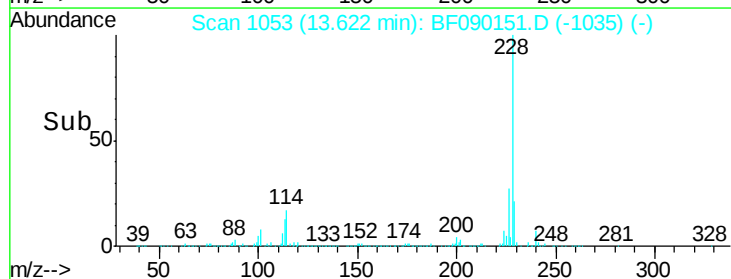
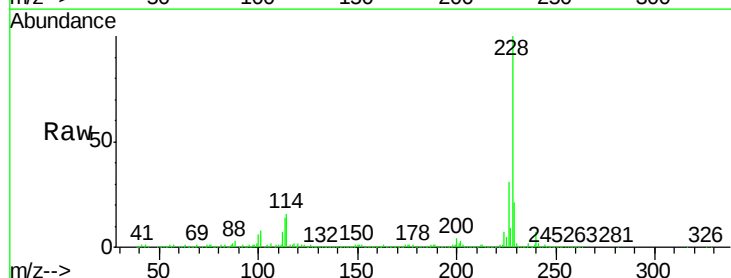
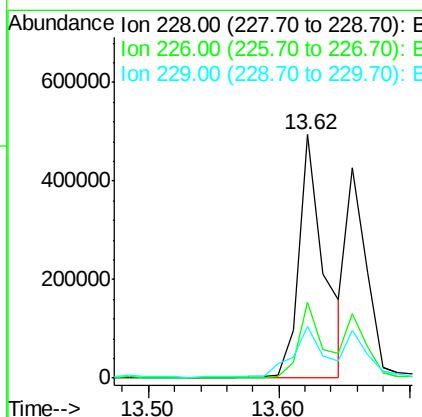
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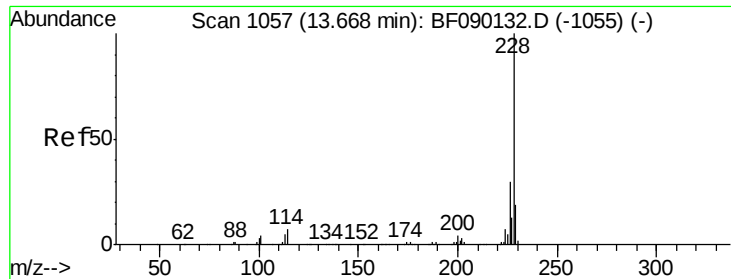
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#80
 Benzo(a)anthracene
 Concen: 44.26 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: BF090151.D
 Acq: 20 Sep 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	665563		
226	31.0		22.0	33.0
229	21.1		16.2	24.2





#82

Chrysene

Concen: 31.98 ng m

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Instrument :

BNA_F

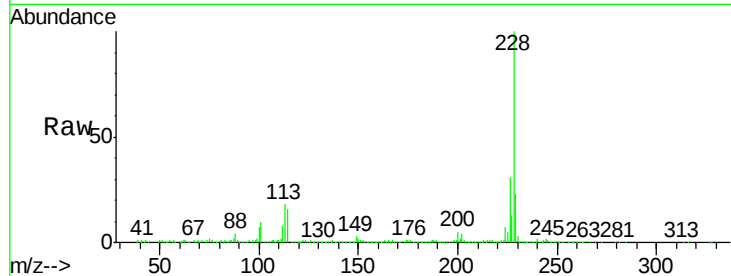
ClientSampleId :

FHSW-03-NORTHSIDE

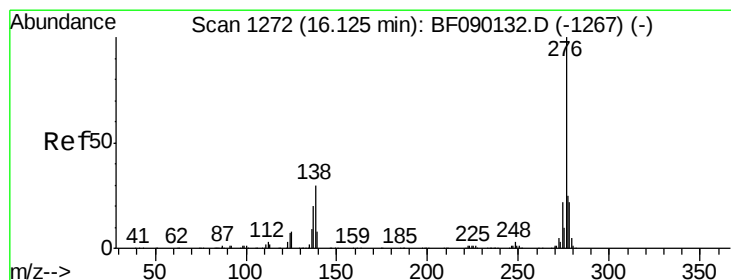
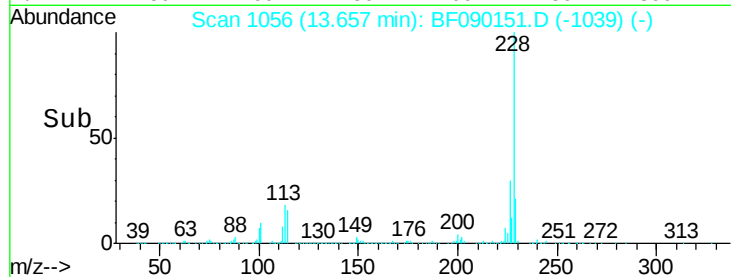
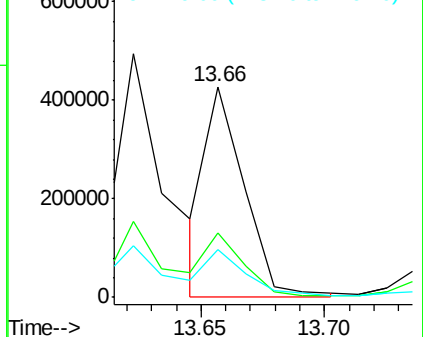
Tgt Ion:	228	Resp:	468426
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.6	37.0
229	22.9	16.2	24.4

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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: 23.72 ng

RT: 16.14 min Scan# 1273

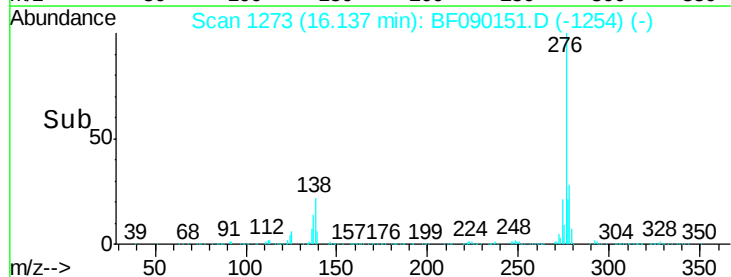
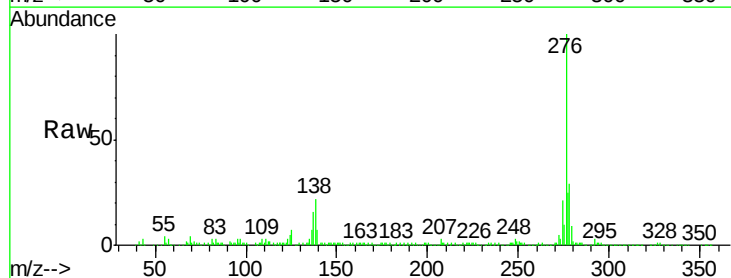
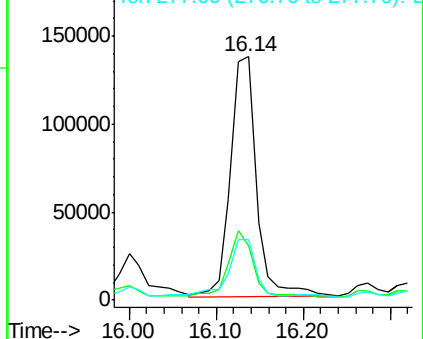
Delta R.T. 0.01 min

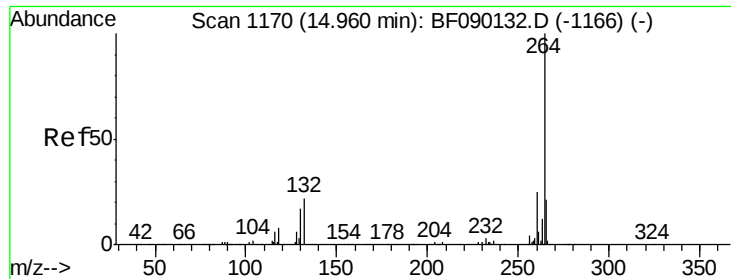
Lab File: BF090151.D

Acq: 20 Sep 2016 23:21

Tgt Ion:	276	Resp:	280904
Ion Ratio	Lower	Upper	
276	100		
138	27.9	25.9	38.9
277	27.2	19.9	29.9

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





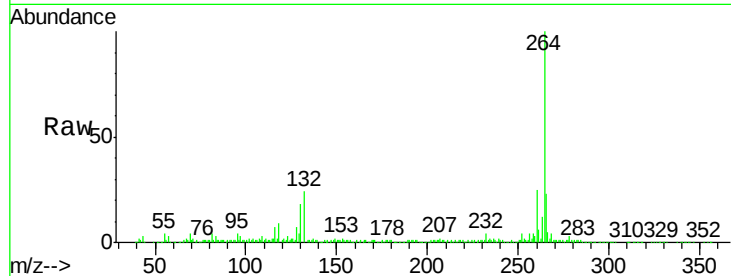
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF090151.D
Acq: 20 Sep 2016 23:21

Instrument :
BNA_F
ClientSampleId :
FHSW-03-NORTHSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	242936		
260	24.5	19.5	29.3	
265	23.1	17.0	25.4	

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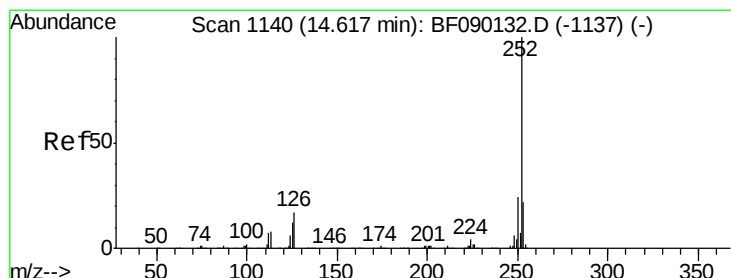
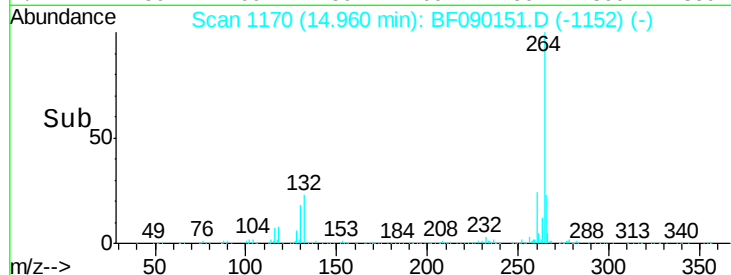
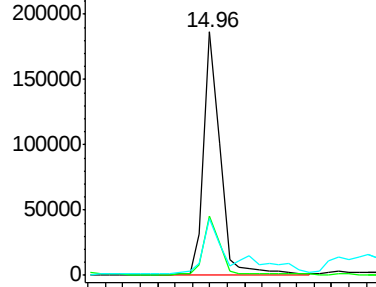


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 47.18 ng m
RT: 14.62 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF090151.D
Acq: 20 Sep 2016 23:21

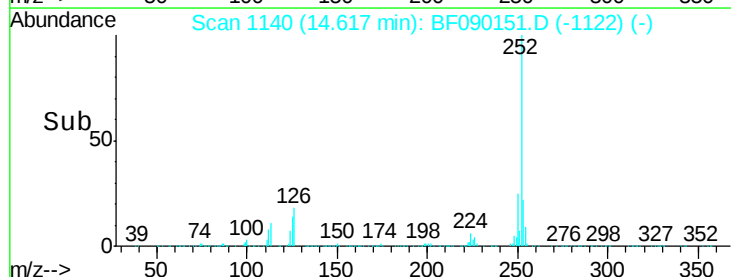
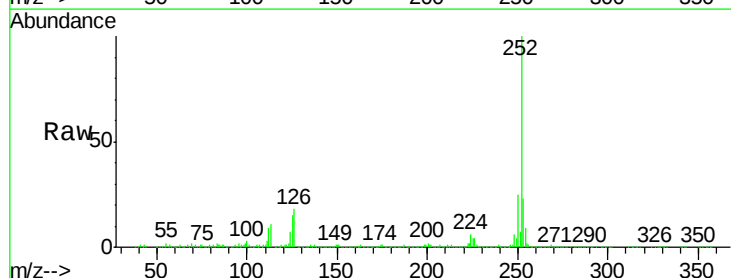
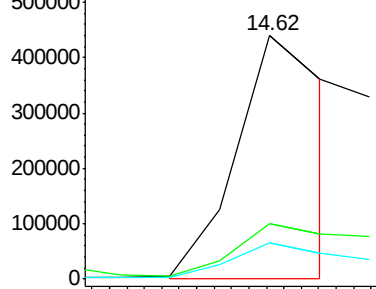
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	634642		
253	22.7	17.9	26.9	
125	15.0	12.7	19.1	

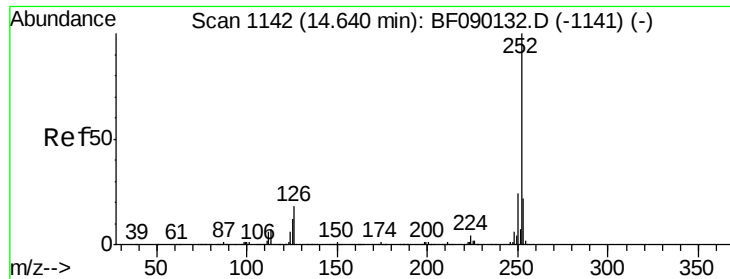
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





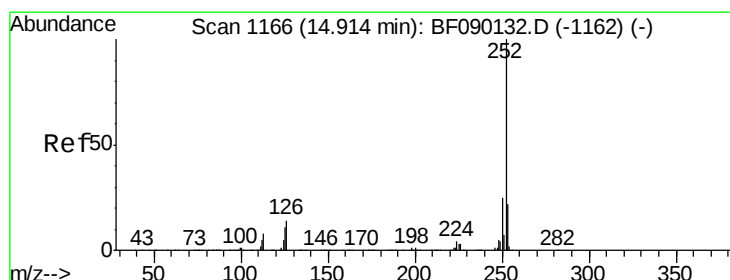
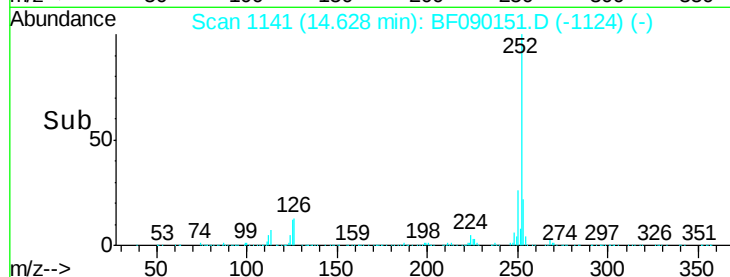
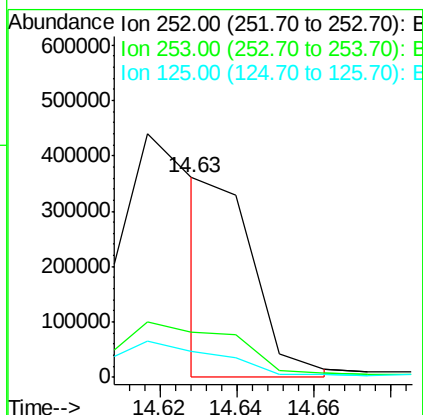
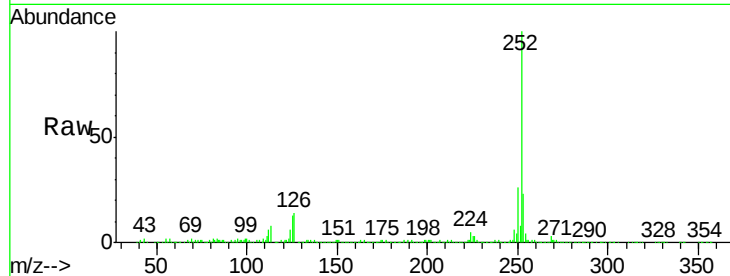
#88
Benzo(k)fluoranthene
Concen: 20.96 ng m
RT: 14.63 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF090151.D
Acq: 20 Sep 2016 23:21

Instrument :
BNA_F
ClientSampleId :
FHSW-03-NORTHSIDE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	12.8	7.8	11.6

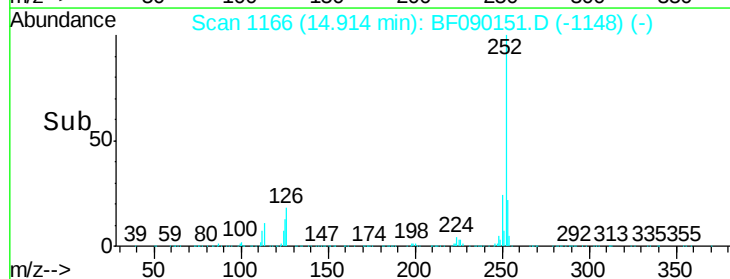
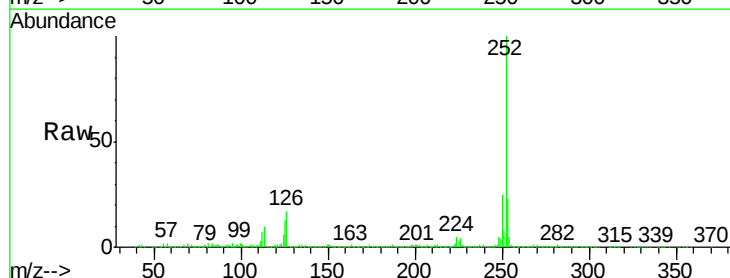
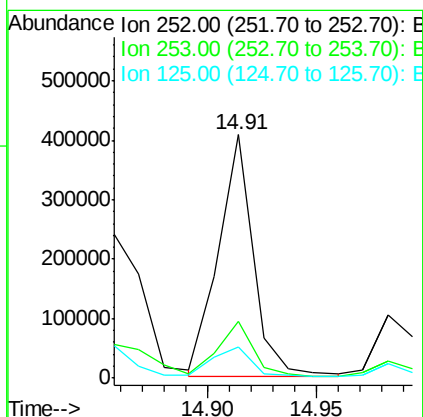
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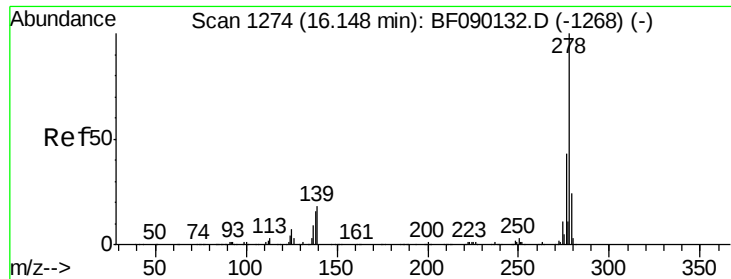
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#89
Benzo(a)pyrene
Concen: 35.97 ng
RT: 14.91 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF090151.D
Acq: 20 Sep 2016 23:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	12.5	7.7	11.5





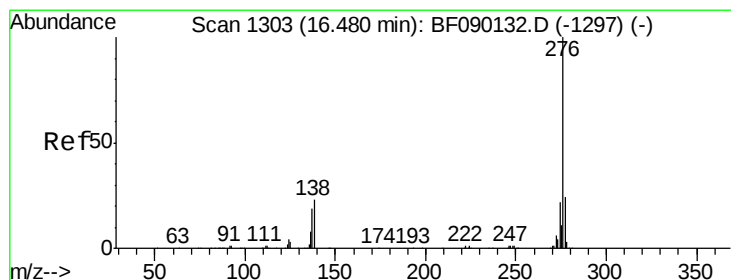
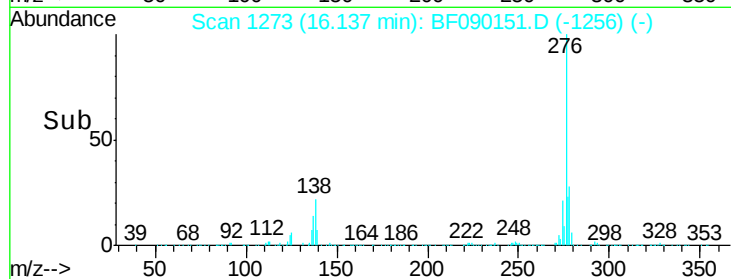
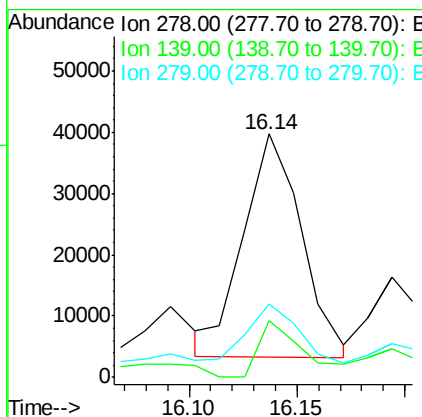
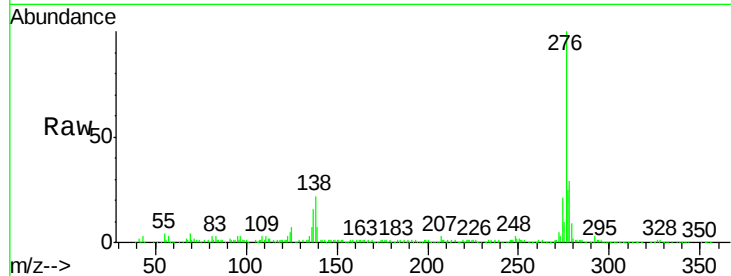
#90
Dibenzo(a,h)anthracene
Concen: 6.90 ng m
RT: 16.14 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF090151.D
Acq: 20 Sep 2016 23:21

Instrument :
BNA_F
ClientSampleId :
FHSW-03-NORTHSIDE

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.1	14.6	21.8#
279	30.3	18.8	28.2#

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#91
Benzo(g,h,i)perylene
Concen: 26.40 ng
RT: 16.48 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF090151.D
Acq: 20 Sep 2016 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	24.8	23.3	34.9

