

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
 Data File : BF090150.D
 Acq On : 20 Sep 2016 22:52
 Operator : UM/SJ
 Sample : H4850-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-02-WESTSIDEWALL

Manual Integrations
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 9/21/2016 4:16:02 PM

Quant Time: Sep 21 09:48:36 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	169022	20.00	ng	-0.01
21) Naphthalene-d8	7.80	136	660769	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	326097	20.00	ng	0.00
63) Phenanthrene-d10	11.02	188	407727	20.00	ng	-0.01
75) Chrysene-d12	13.63	240	266025	20.00	ng	0.00
86) Perylene-d12	14.96	264	243275	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	1142900	110.22	ng	0.01
7) Phenol-d6	6.17	99	1457968	113.85	ng	0.00
23) Nitrobenzene-d5	7.08	82	857018	75.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.33	330	221427	79.15	ng	-0.01
44) 2-Fluorobiphenyl	8.89	172	1322499	79.62	ng	0.00
78) Terphenyl-d14	12.61	244	774964	73.96	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.40	152	99819	3.57	ng	98
49) Dimethylphthalate	9.29	163	515878	24.84	ng	99
51) Acenaphthene	9.58	154	40947	2.47	ng	98
57) Fluorene	10.09	166	68780	4.18	ng	99
70) Phenanthrene	11.04	178	937256	49.15	ng	100
71) Anthracene	11.10	178	289191	14.46	ng	98
72) Carbazole	11.26	167	75938	3.59	ng	99
73) Di-n-butylphthalate	11.61	149	50969	2.07	ng	# 99
74) Fluoranthene	12.23	202	1189341	58.11	ng	92
77) Pyrene	12.45	202	1079055	59.28	ng	98
80) Benzo(a)anthracene	13.62	228	740642	51.75	ng	96
82) Chrysene	13.66	228	525963m	37.73	ng	
85) Indeno(1,2,3-cd)pyrene	16.13	276	263532m	23.38	ng	
87) Benzo(b)fluoranthene	14.62	252	626244m	46.49	ng	
88) Benzo(k)fluoranthene	14.63	252	268867m	21.27	ng	
89) Benzo(a)pyrene	14.91	252	477568	37.69	ng	# 95
90) Dibenzo(a,h)anthracene	16.14	278	62629m	6.33	ng	
91) Benzo(g,h,i)perylene	16.48	276	246493	25.47	ng	94

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

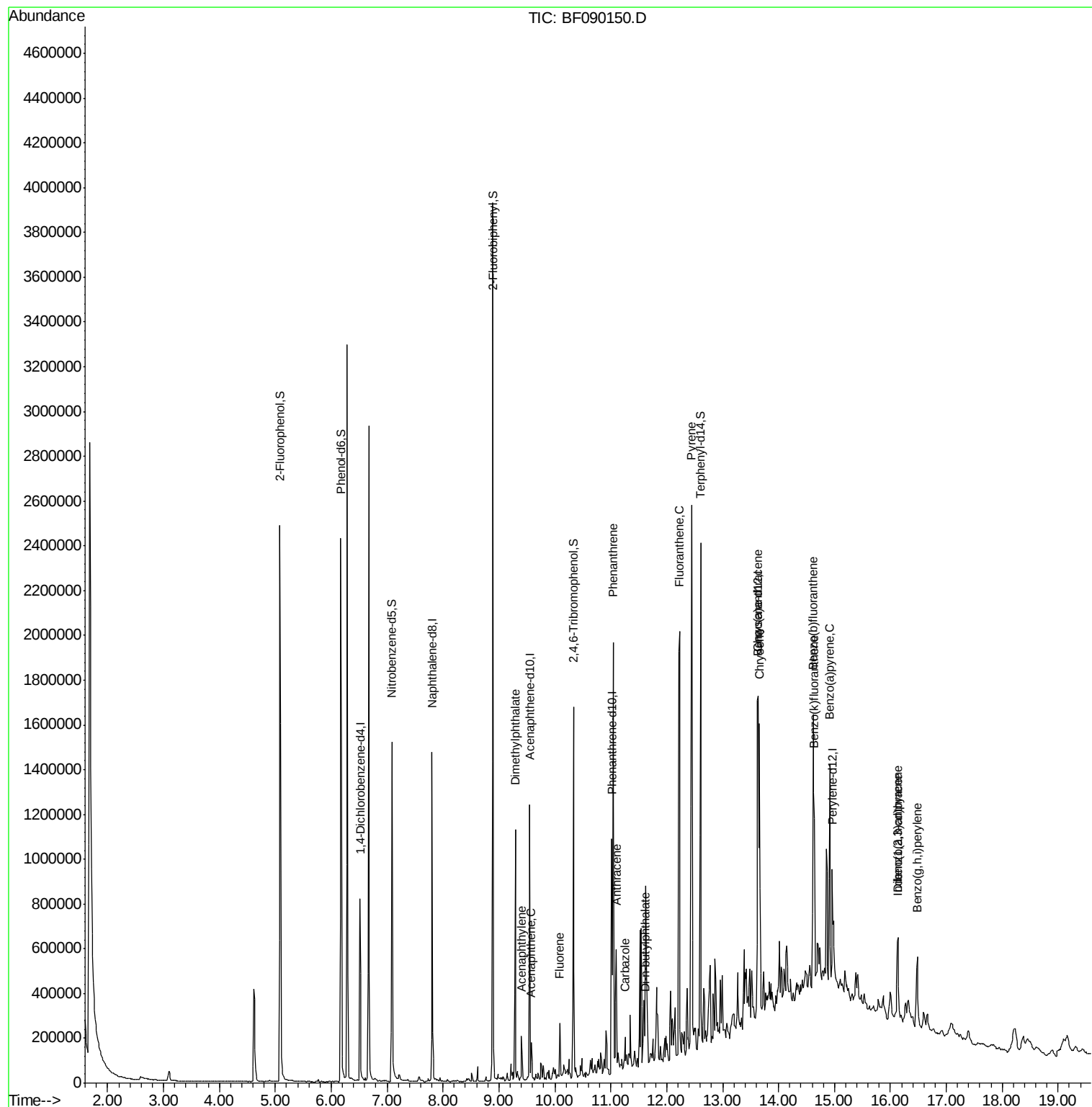
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092016\
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#1

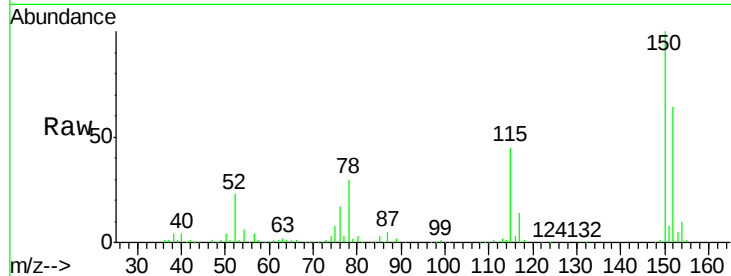
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.01 min
Lab File: BF090150.D
Acq: 20 Sep 2016 22:52

Instrument :
BNA_F
ClientSampleId :
FHSW-02-WESTSIDEWALL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	128.9	193.3
115	70.1	55.5	83.3

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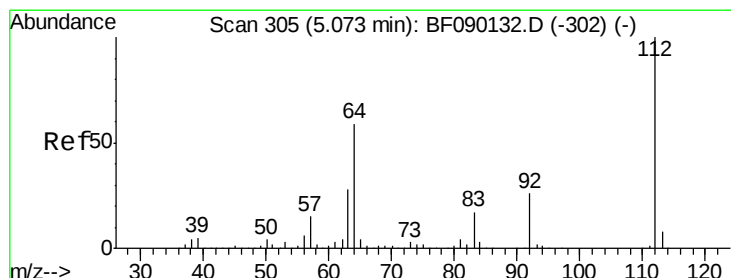
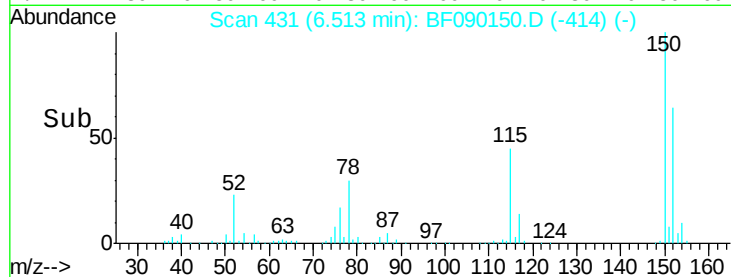
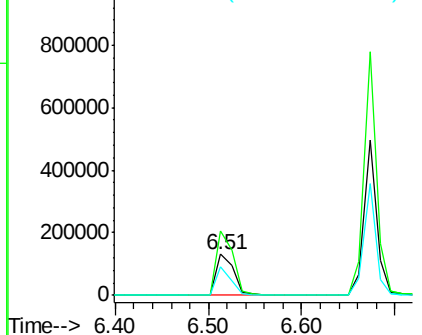


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

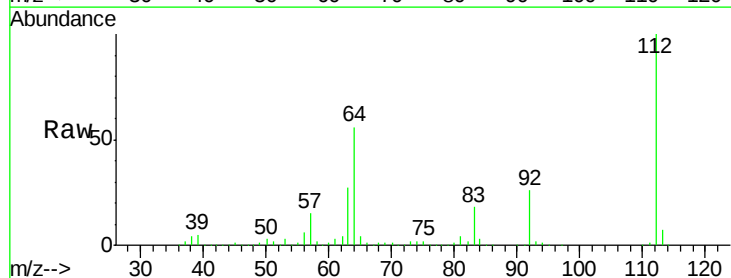
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.22 ng
RT: 5.08 min Scan# 306
Delta R.T. 0.01 min
Lab File: BF090150.D
Acq: 20 Sep 2016 22:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	39.8	59.6
63	26.9	18.9	28.3

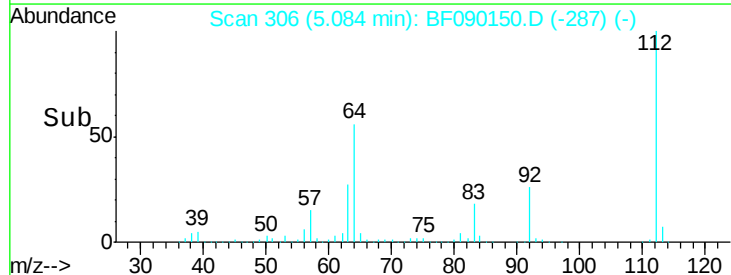
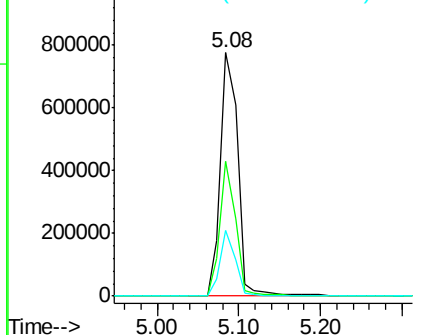


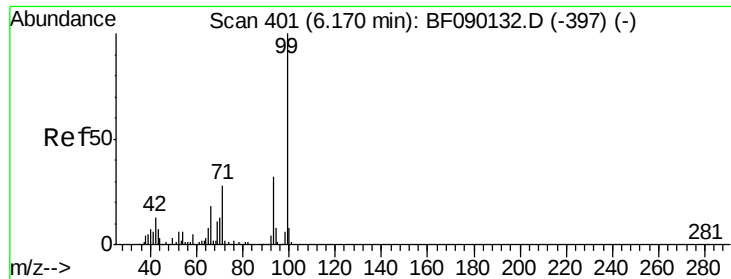
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.85 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090150.D

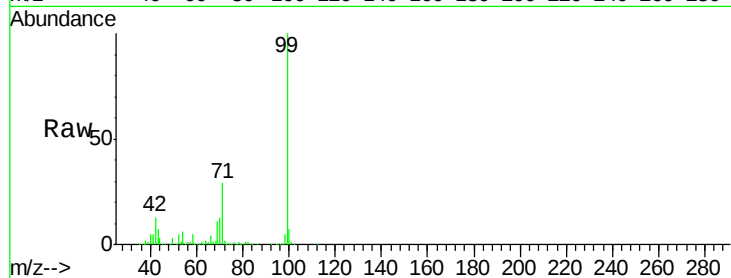
Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 1457968

Ion Ratio Lower Upper

99 100

42 13.4 10.6 15.8

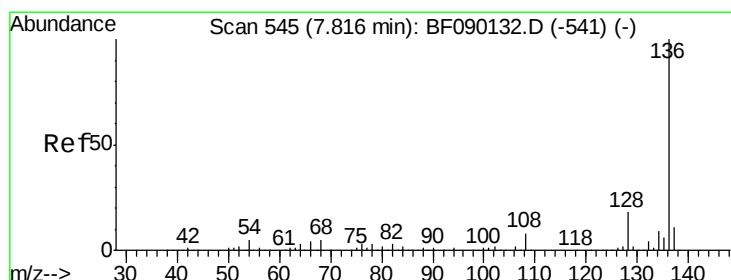
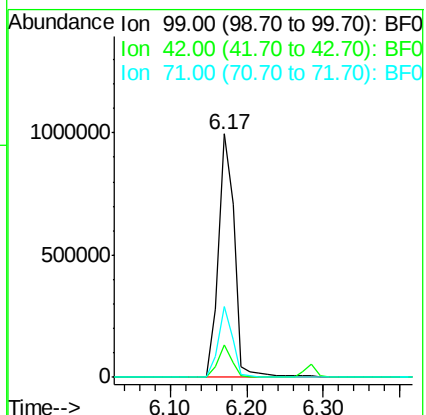
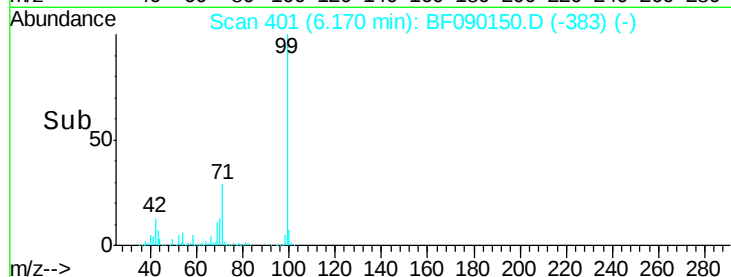
71 29.3 23.0 34.6

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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: BF090150.D

Acq: 20 Sep 2016 22:52

Tgt Ion: 136 Resp: 660769

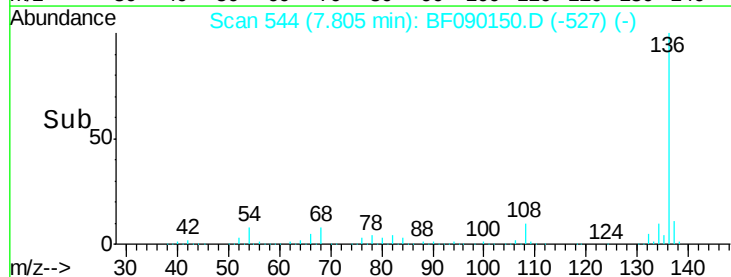
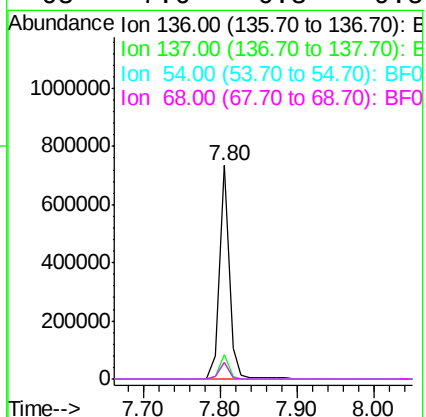
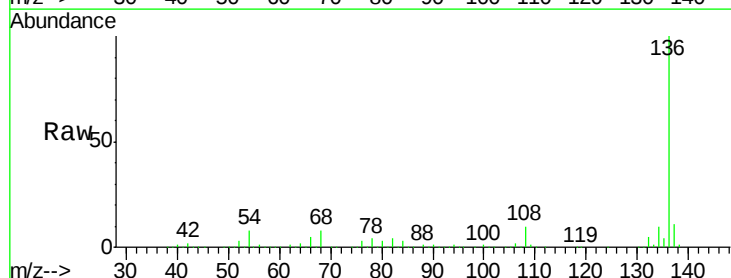
Ion Ratio Lower Upper

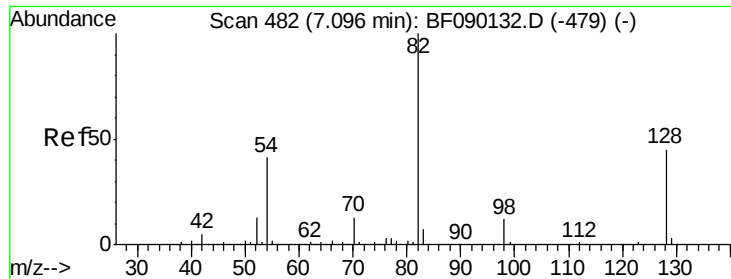
136 100

137 11.3 9.0 13.4

54 7.6 6.4 9.6

68 7.6 6.3 9.5





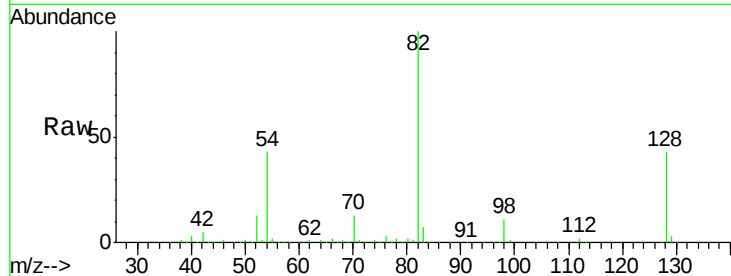
#23
 Nitrobenzene-d5
 Concen: 75.19 ng
 RT: 7.08 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: BF090150.D
 Acq: 20 Sep 2016 22:52

Instrument :
 BNA_F
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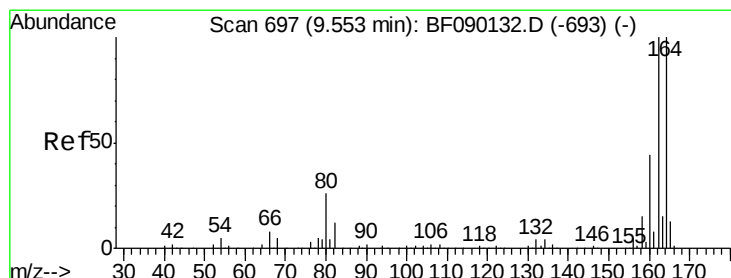
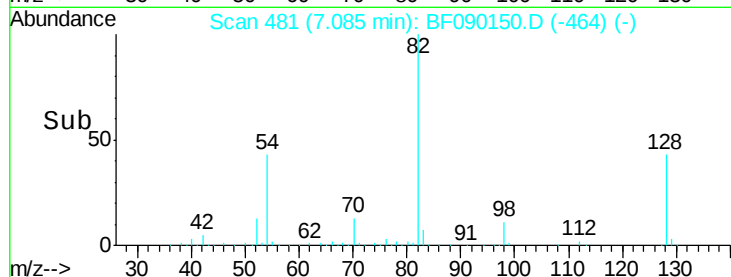
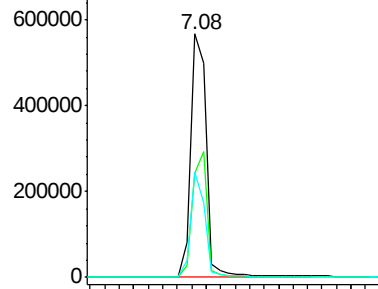
Tgt Ion:	82	Resp:	857018
Ion Ratio	Lower	Upper	
82	100		
128	42.6	37.5	56.3
54	43.2	31.9	47.9

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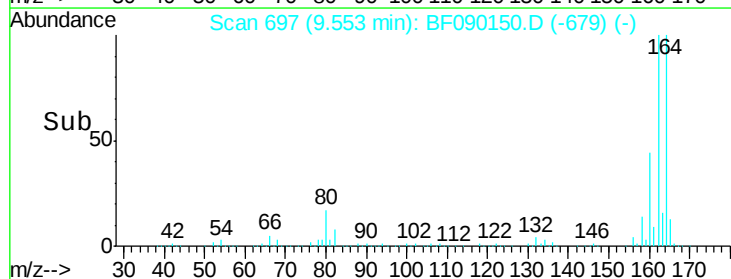
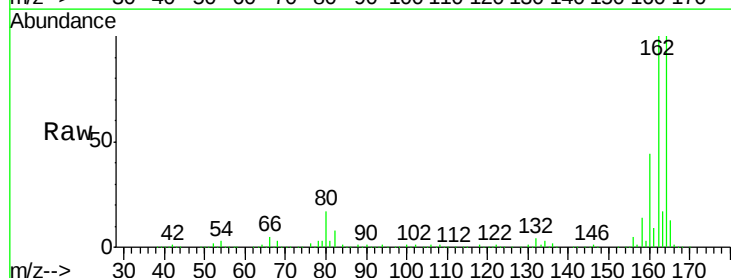
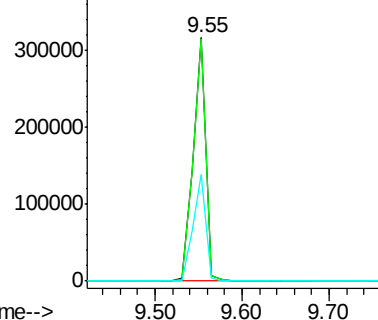
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

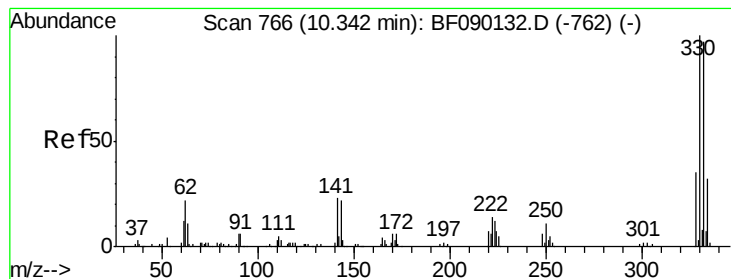


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: BF090150.D
 Acq: 20 Sep 2016 22:52

Tgt Ion:	164	Resp:	326097
Ion Ratio	Lower	Upper	
164	100		
162	99.6	81.4	122.2
160	43.6	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





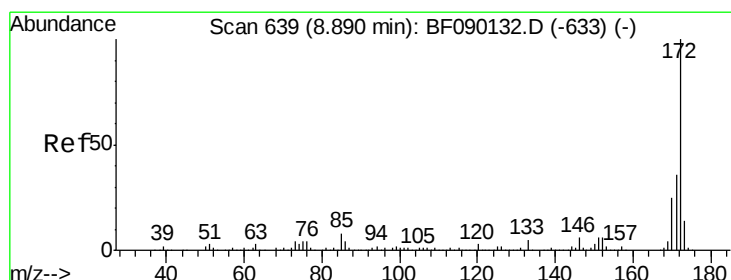
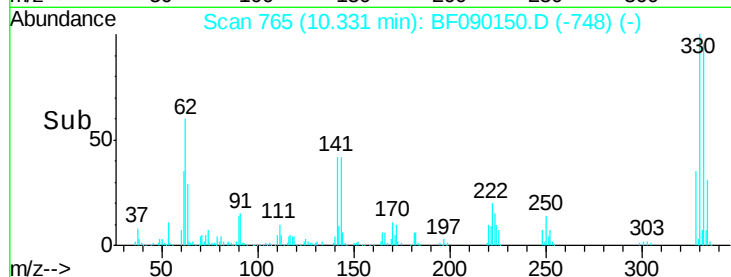
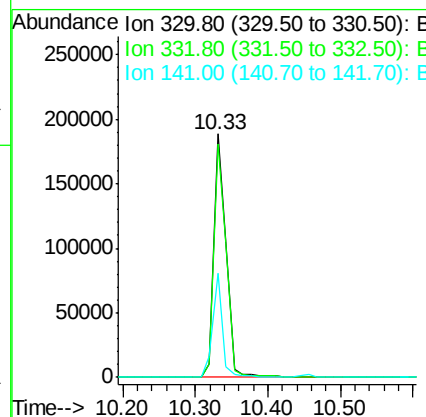
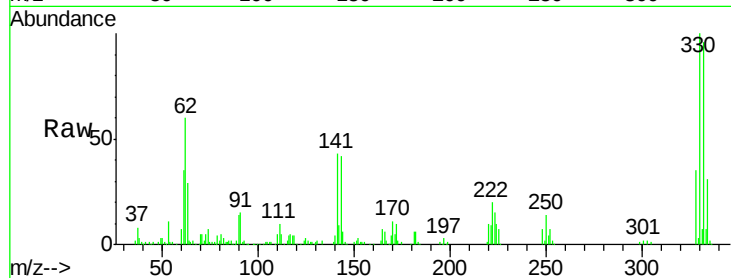
#41
 2,4,6-Tribromophenol
 Concen: 79.15 ng
 RT: 10.33 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF090150.D
 Acq: 20 Sep 2016 22:52

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-02-WESTSIDEWALL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	221427		
332	96.7	78.1	117.1	
141	33.4	23.9	35.9	

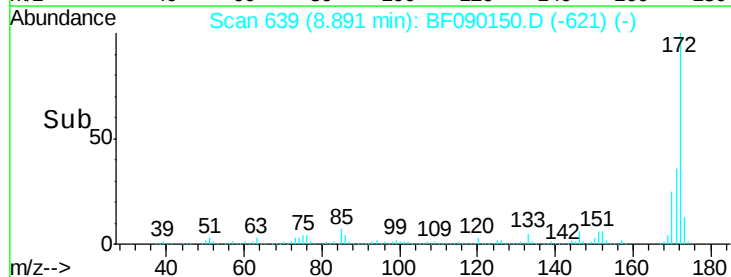
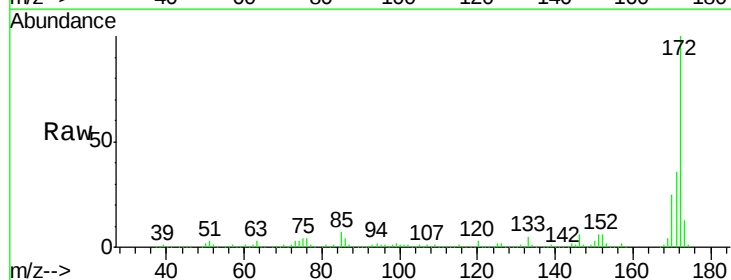
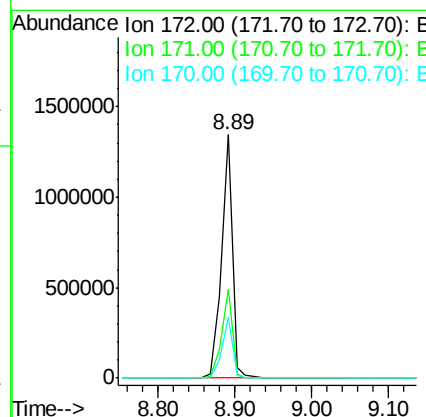
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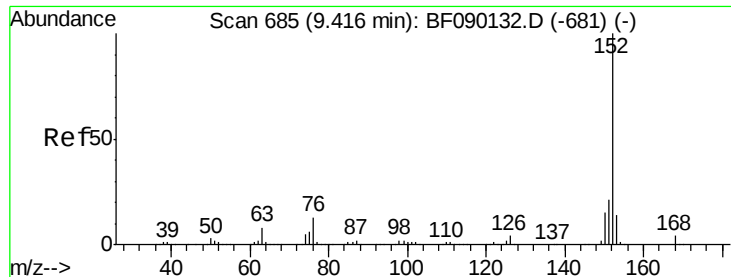
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#44
 2-Fluorobiphenyl
 Concen: 79.62 ng
 RT: 8.89 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF090150.D
 Acq: 20 Sep 2016 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1322499		
171	36.2	29.2	43.8	
170	24.7	19.8	29.8	





#48

Acenaphthylene

Concen: 3.57 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

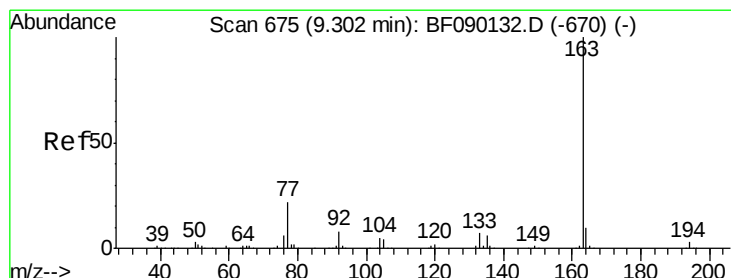
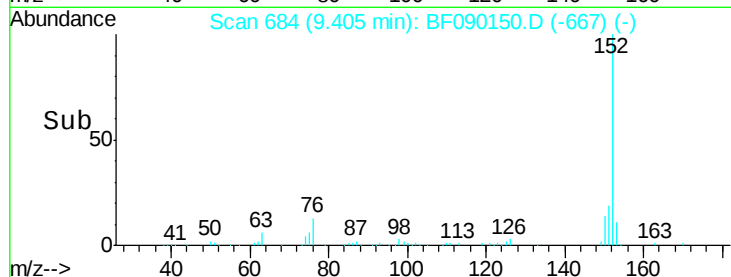
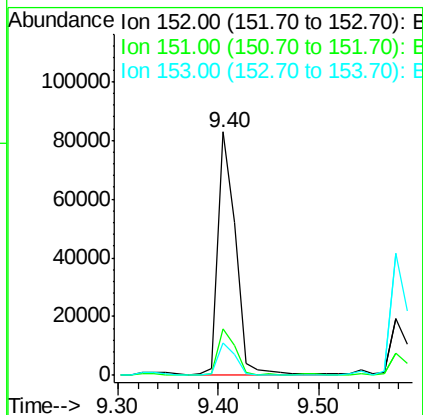
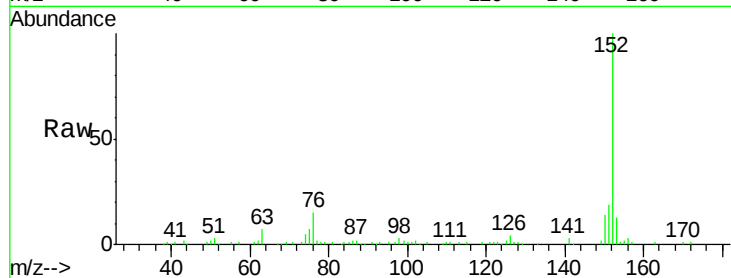
ClientSampleId :

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Tgt Ion:	152	Resp:	99819
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.5	24.7
153	13.3	10.6	15.8

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#49

Dimethylphthalate

Concen: 24.84 ng

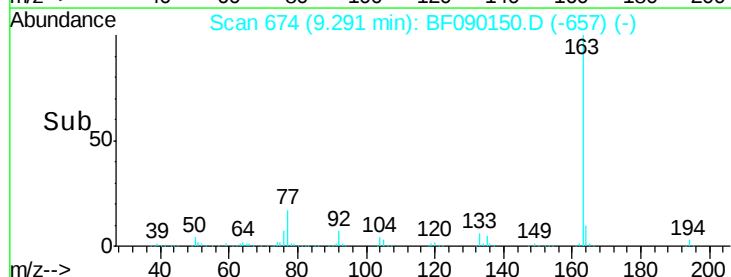
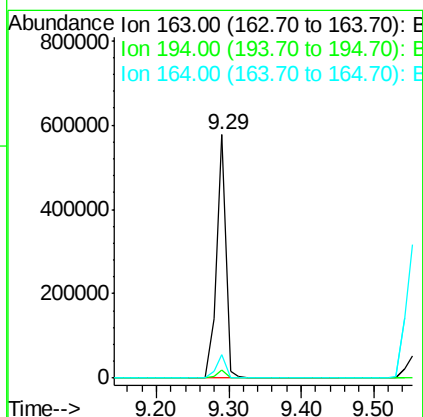
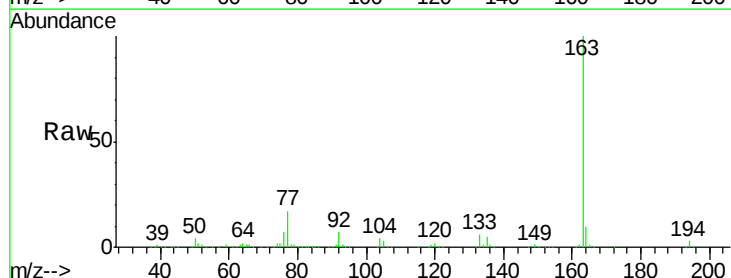
RT: 9.29 min Scan# 674

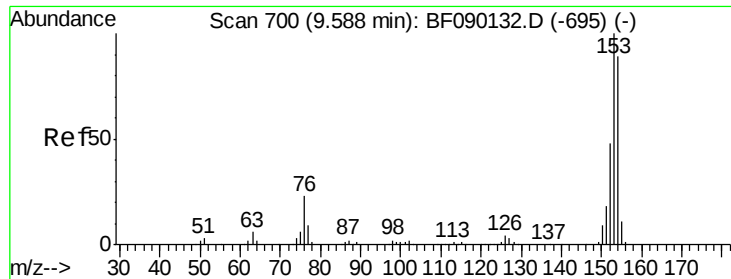
Delta R.T. -0.01 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Tgt Ion:	163	Resp:	515878
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.8	4.2
164	9.9	8.1	12.1





#51

Acenaphthene

Concen: 2.47 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

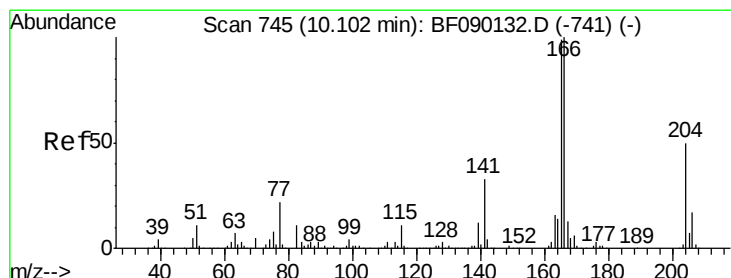
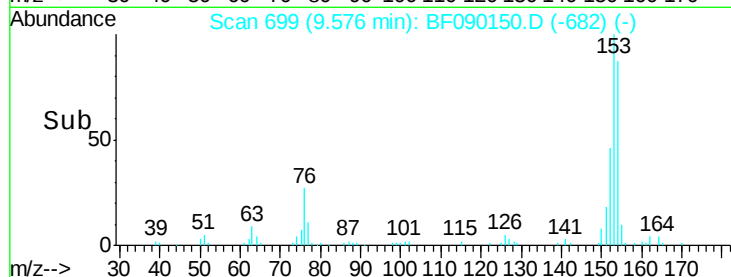
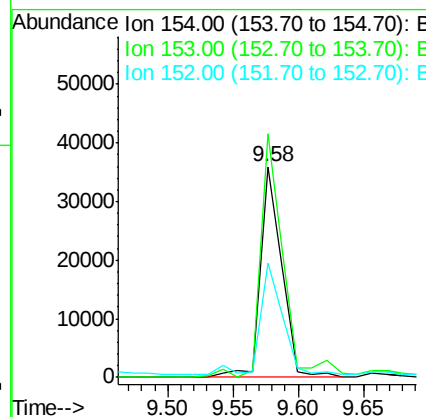
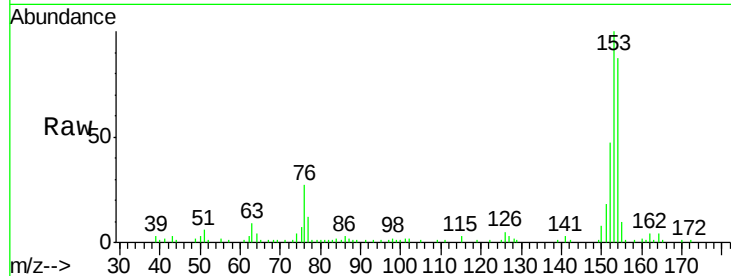
ClientSampleId :

FHSW-02-WESTSIDEWALL

Tgt Ion:	154	Resp:	40947
Ion Ratio	Lower	Upper	
154	100		
153	115.4	90.8	136.2
152	54.1	44.2	66.4

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#57

Fluorene

Concen: 4.18 ng

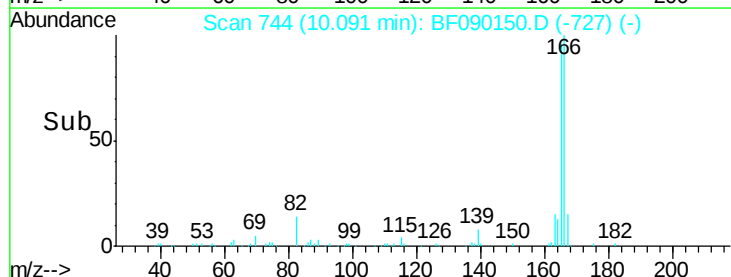
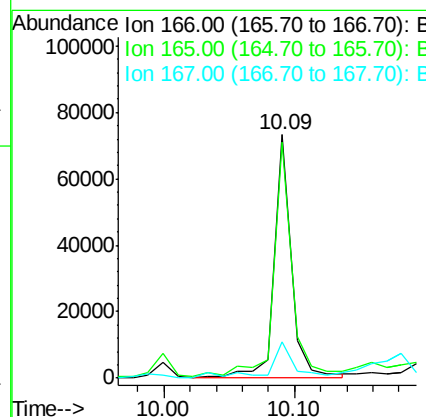
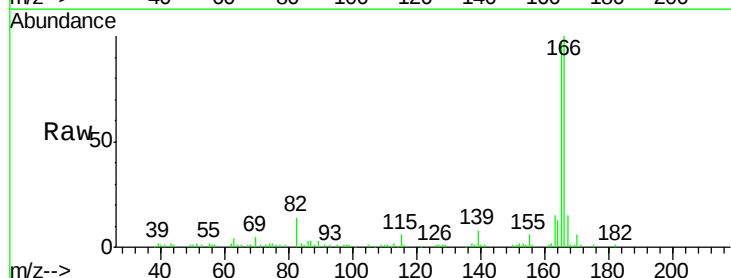
RT: 10.09 min Scan# 744

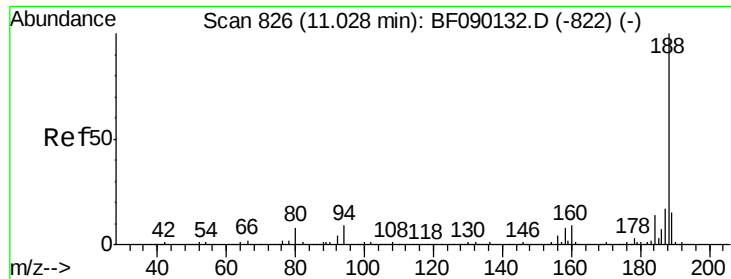
Delta R.T. -0.01 min

Lab File: BF090150.D

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Tgt Ion:	166	Resp:	68780
Ion Ratio	Lower	Upper	
166	100		
165	97.1	78.5	117.7
167	15.0	11.2	16.8





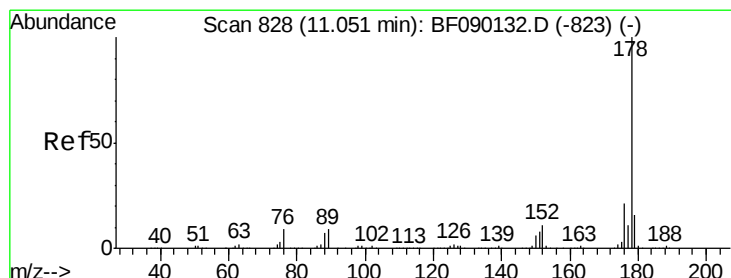
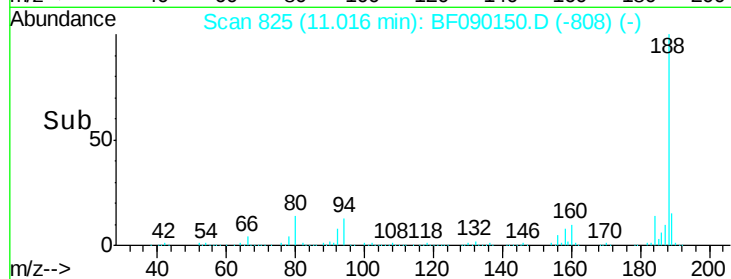
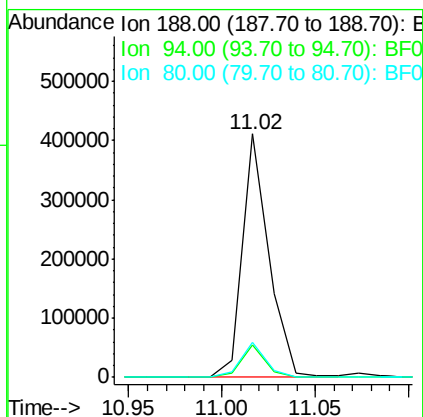
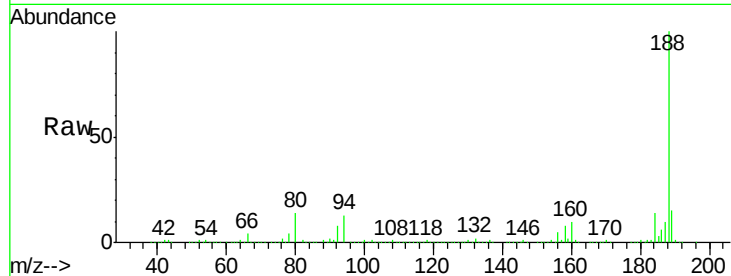
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF090150.D
Acq: 20 Sep 2016 22:52

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	407727		
94	13.3	10.5	15.7	
80	14.3	11.2	16.8	

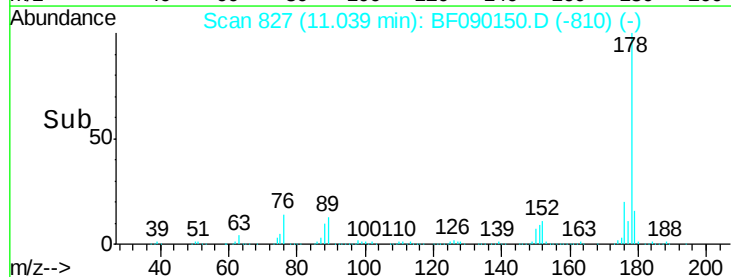
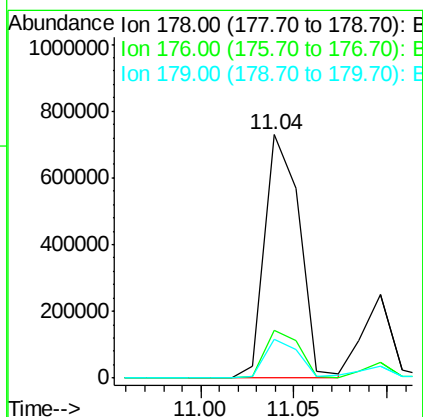
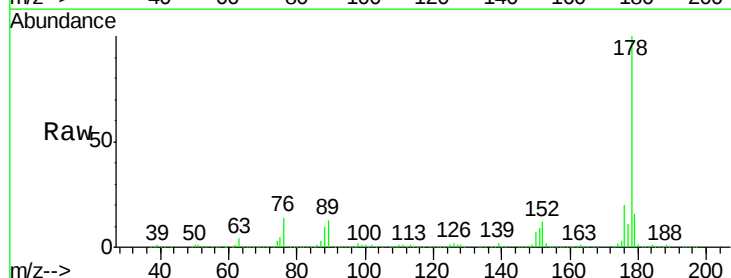
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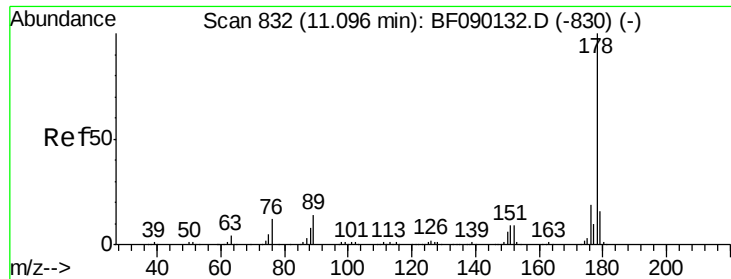
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#70
Phenanthrene
Concen: 49.15 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF090150.D
Acq: 20 Sep 2016 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	937256		
176	19.8	15.9	23.9	
179	15.9	12.9	19.3	





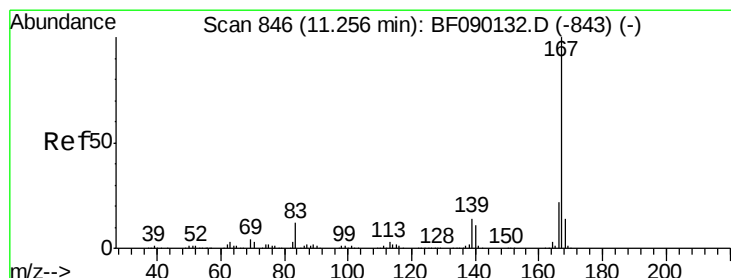
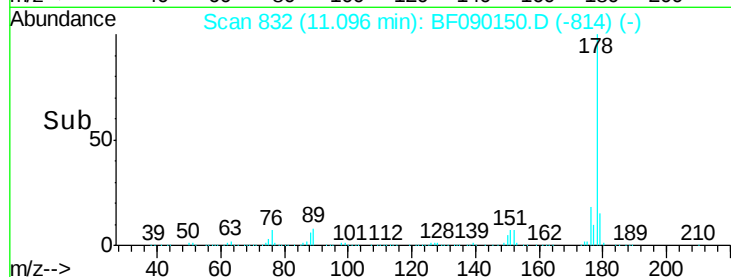
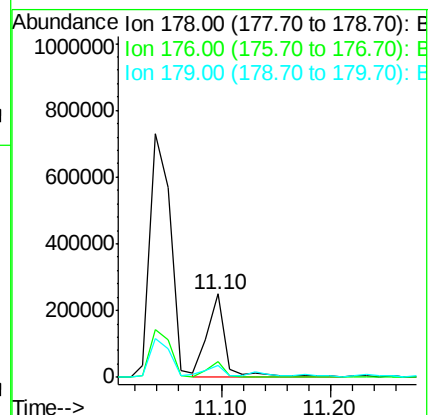
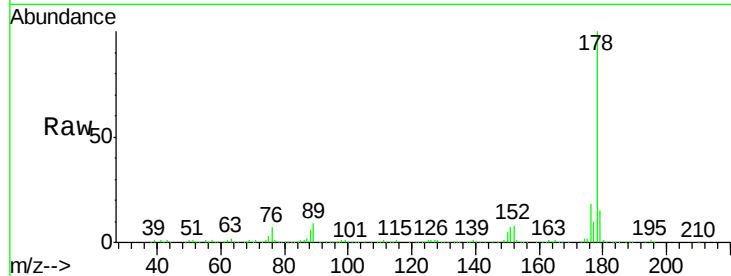
#71
 Anthracene
 Concen: 14.46 ng
 RT: 11.10 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: BF090150.D
 Acq: 20 Sep 2016 22:52

Instrument :
 BNA_F
 ClientSampleId :
 FHSW-02-WESTSIDEWALL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	15.0	12.6	19.0

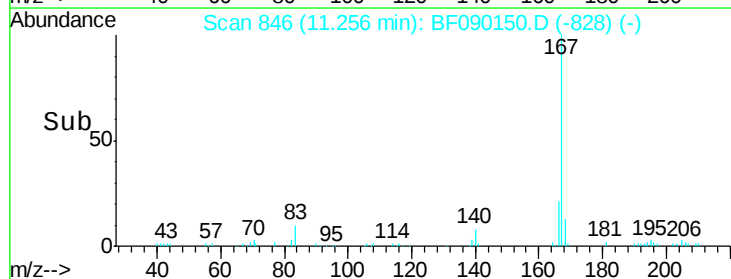
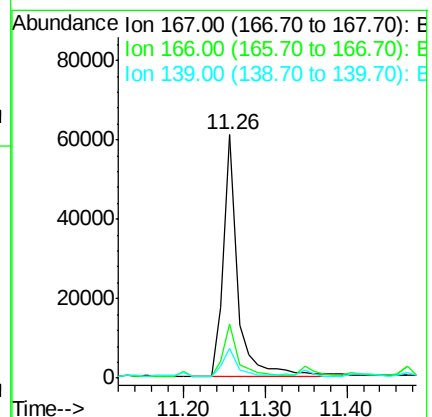
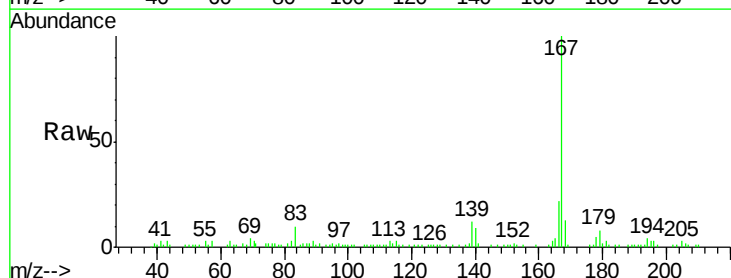
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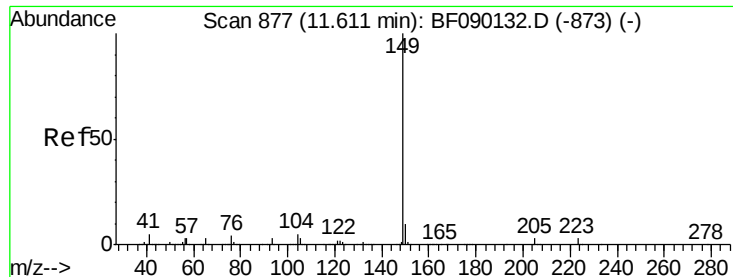
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#72
 Carbazole
 Concen: 3.59 ng
 RT: 11.26 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: BF090150.D
 Acq: 20 Sep 2016 22:52

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.0	27.0
139	12.3	10.4	15.6





#73

Di-n-butylphthalate

Concen: 2.07 ng

RT: 11.61 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

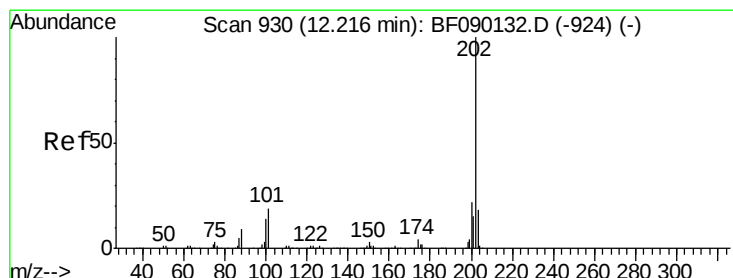
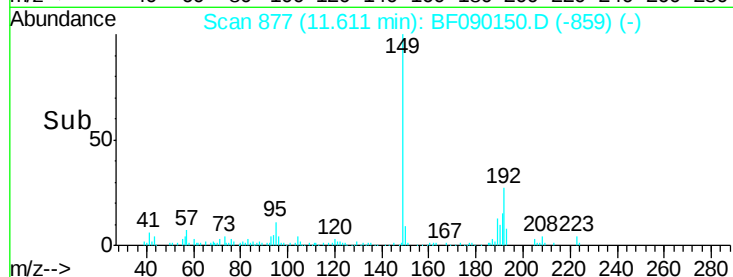
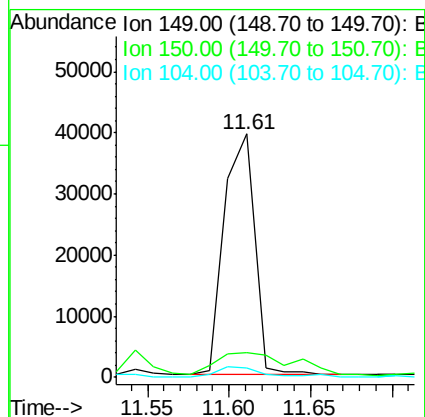
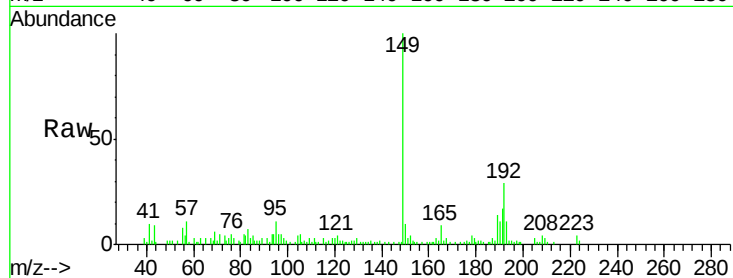
ClientSampleId :

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Tgt Ion:	149	Resp:	50969
Ion Ratio	Lower	Upper	
149	100		
150	10.0	7.8	11.8
104	3.9	3.9	5.9#

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#74

Fluoranthene

Concen: 58.11 ng

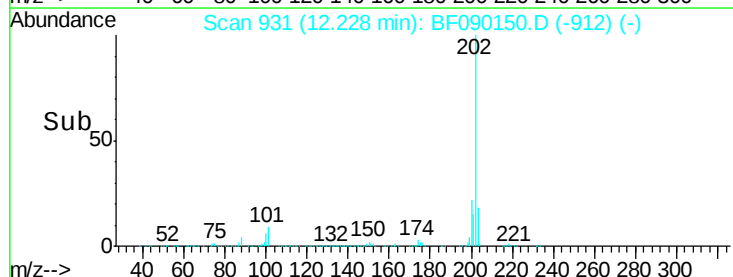
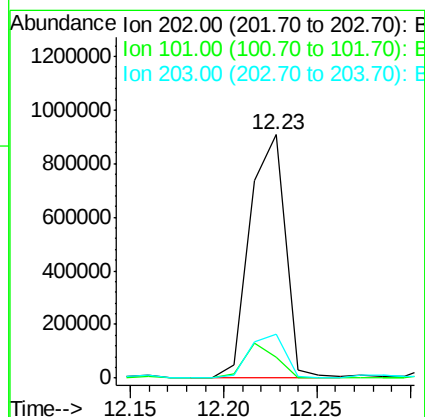
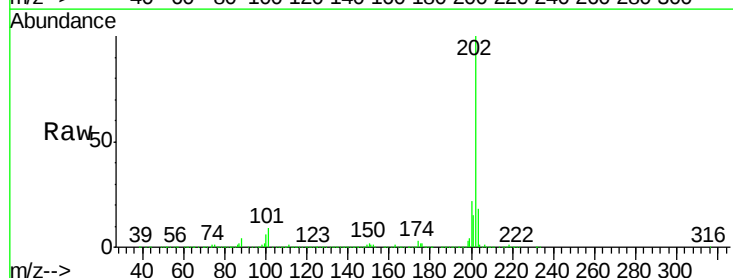
RT: 12.23 min Scan# 931

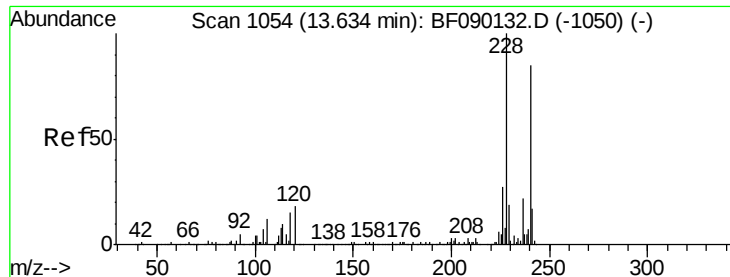
Delta R.T. 0.01 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Tgt Ion:	202	Resp:	1189341
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	36.1
203	18.0	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: BF090150.D

Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

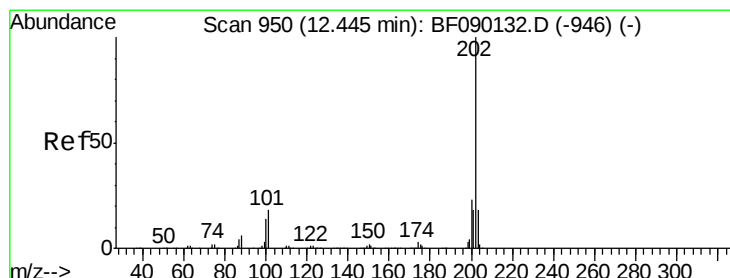
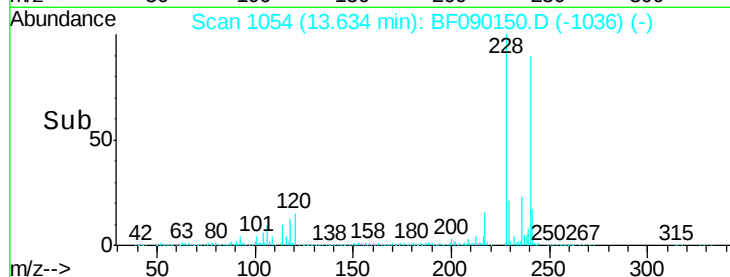
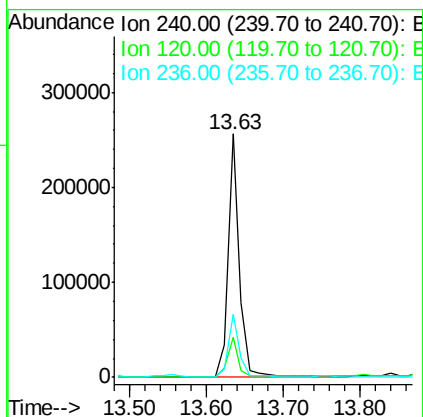
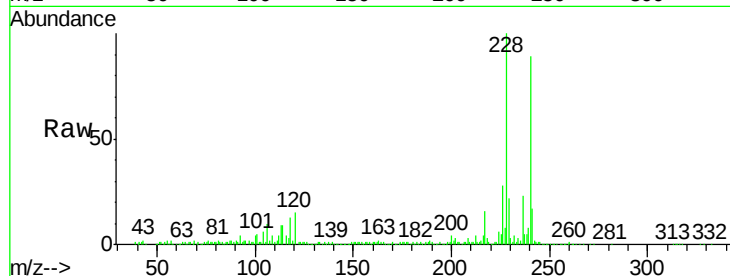
ClientSampleId :

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Tgt Ion:	240	Resp:	266025
Ion Ratio	Lower	Upper	
240	100		
120	16.6	10.6	16.0#
236	25.8	21.6	32.4

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#77

Pyrene

Concen: 59.28 ng

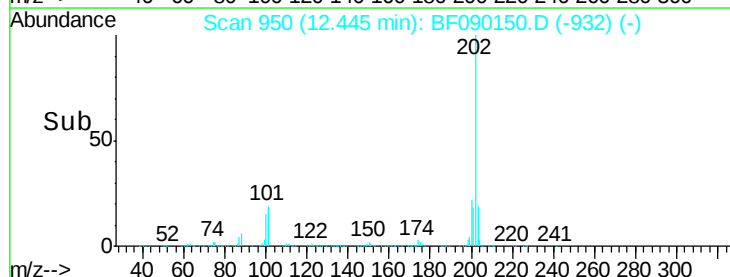
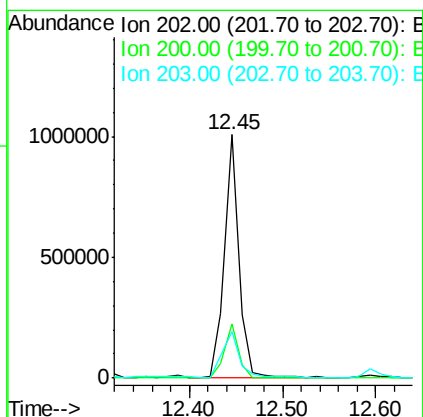
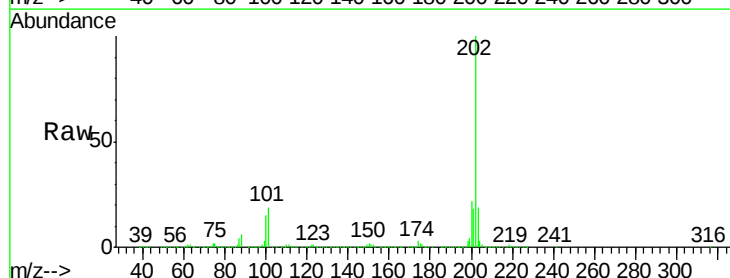
RT: 12.45 min Scan# 950

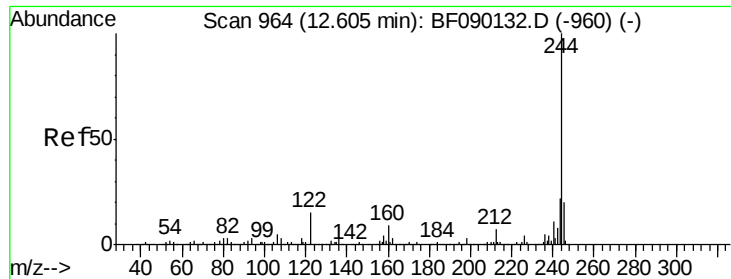
Delta R.T. 0.00 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Tgt Ion:	202	Resp:	1079055
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.9	26.9
203	19.3	14.2	21.4





#78

Terphenyl-d14

Concen: 73.96 ng

RT: 12.61 min Scan# 964

Delta R.T. 0.00 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

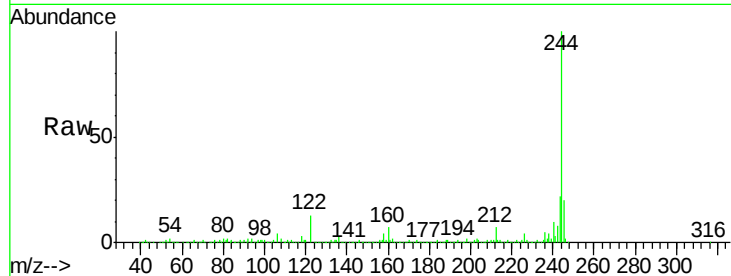
ClientSampleId :

FHSW-02-WESTSIDEWALL

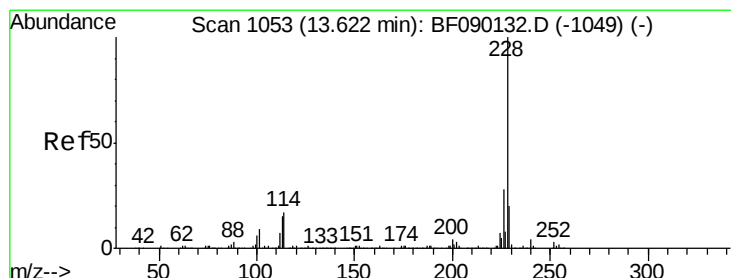
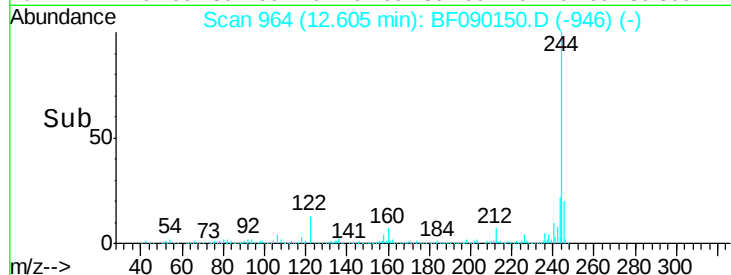
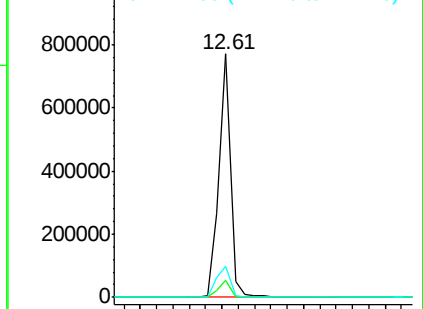
Tgt Ion:	244	Resp:	774964
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	13.0	9.4	14.0

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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: 51.75 ng

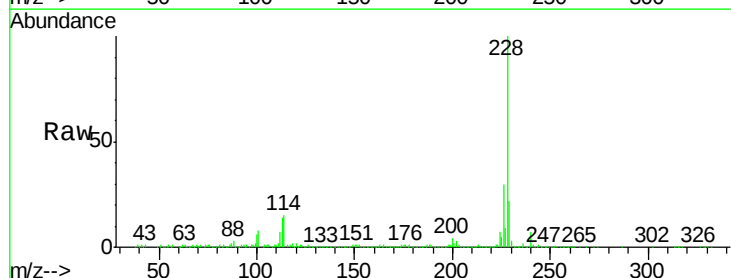
RT: 13.62 min Scan# 1053

Delta R.T. 0.00 min

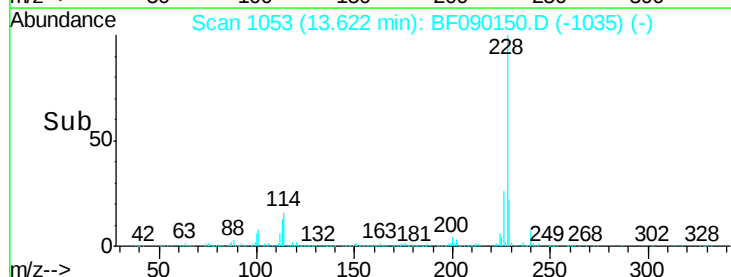
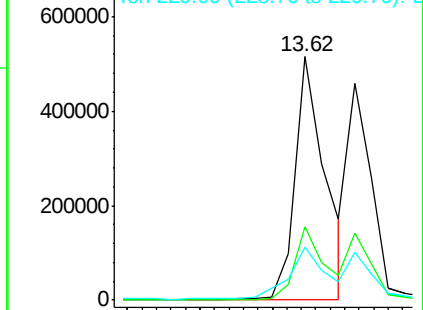
Lab File: BF090150.D

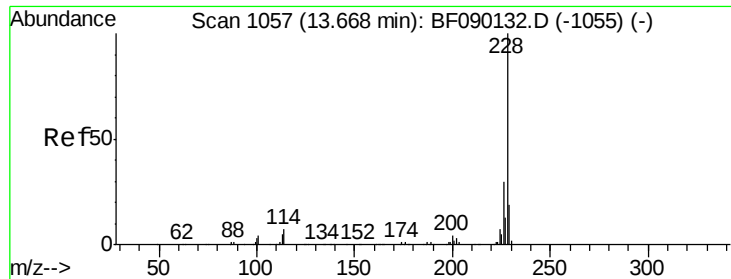
Acq: 20 Sep 2016 22:52

Tgt Ion:	228	Resp:	740642
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.0	33.0
229	21.8	16.2	24.2



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: 37.73 ng m

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

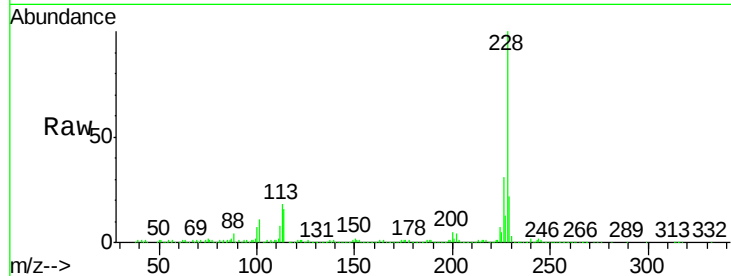
ClientSampleId :

FHSW-02-WESTSIDEWALL

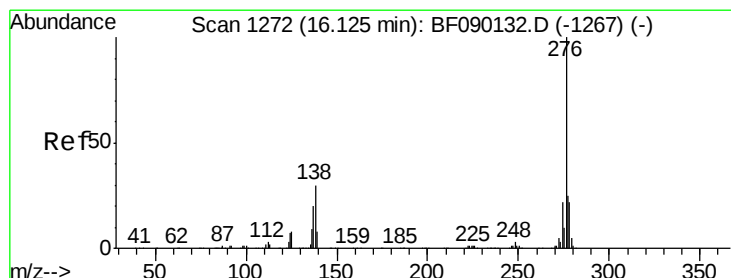
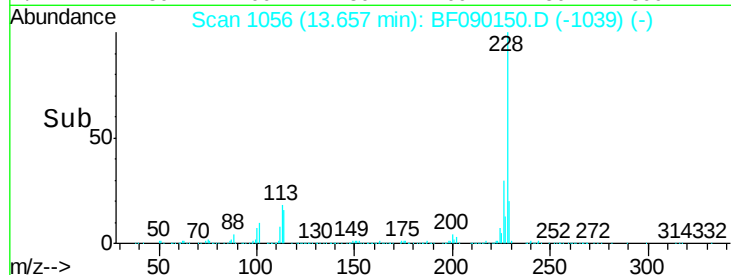
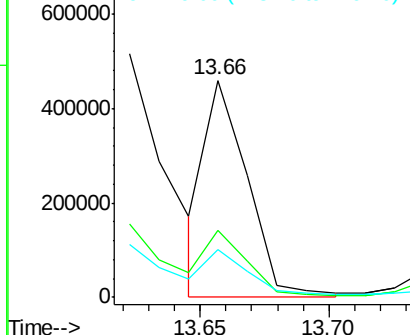
Tgt Ion:	228	Resp:	525963
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.6	37.0
229	22.0	16.2	24.4

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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: 23.38 ng m

RT: 16.13 min Scan# 1272

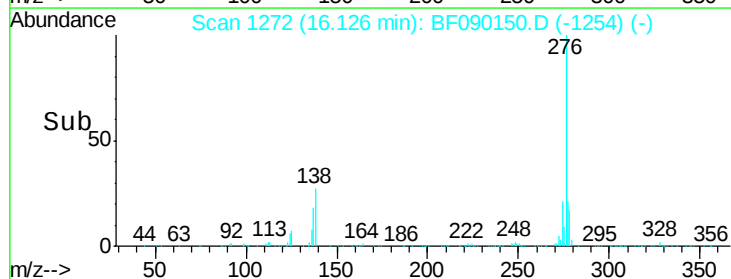
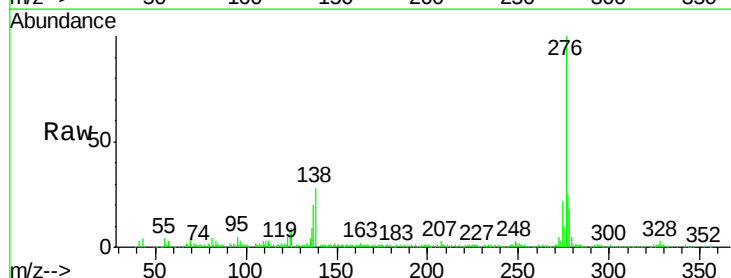
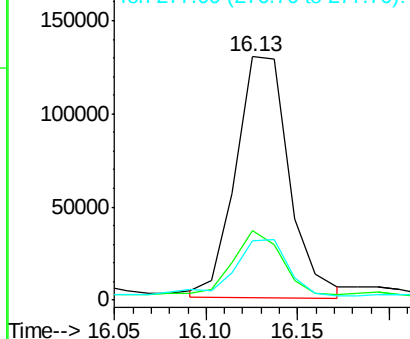
Delta R.T. 0.00 min

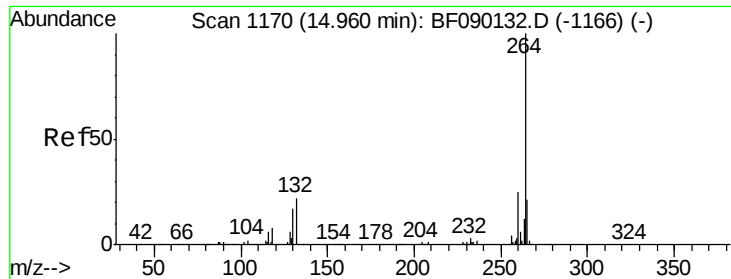
Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Tgt Ion:	276	Resp:	263532
Ion Ratio	Lower	Upper	
276	100		
138	6.0	25.9	38.9#
277	4.8	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: BF090150.D

Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

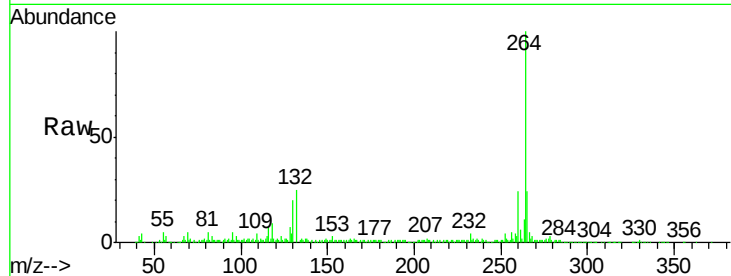
ClientSampleId :

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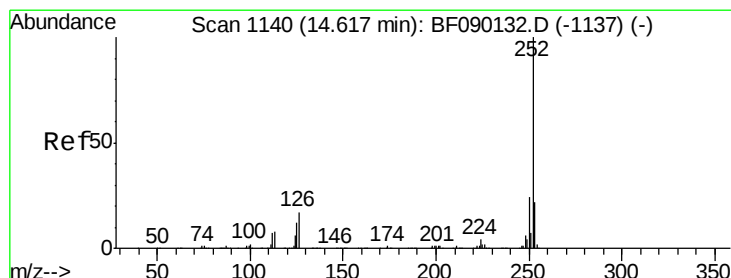
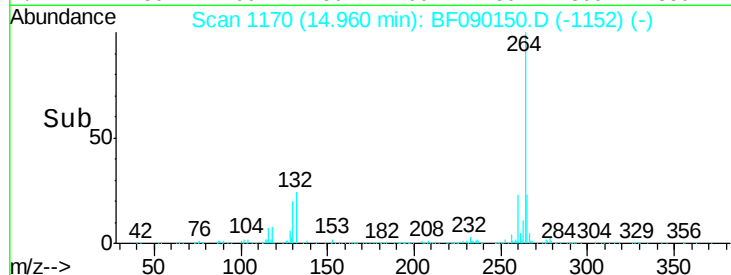
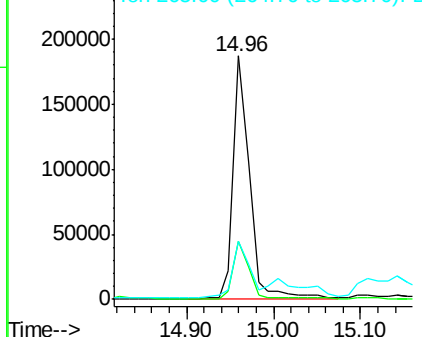
Tgt Ion:	264	Resp:	243275
Ion Ratio		Lower	Upper
264	100		
260	24.0	19.5	29.3
265	23.6	17.0	25.4

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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: 46.49 ng m

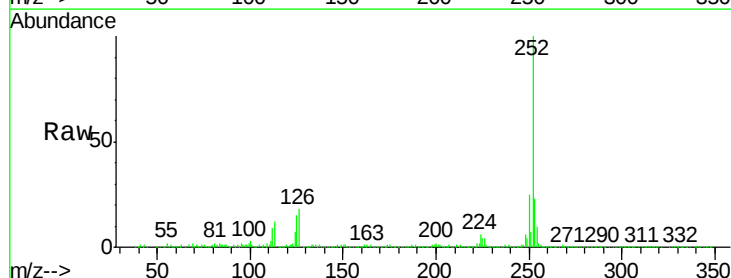
RT: 14.62 min Scan# 1140

Delta R.T. 0.00 min

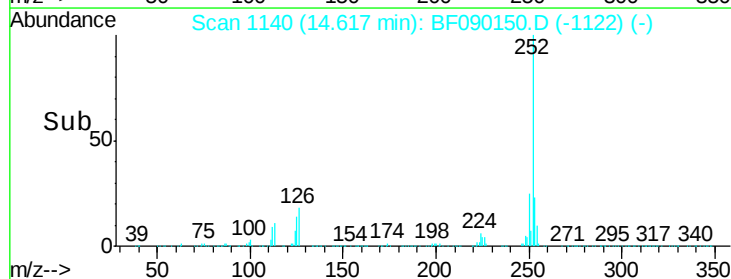
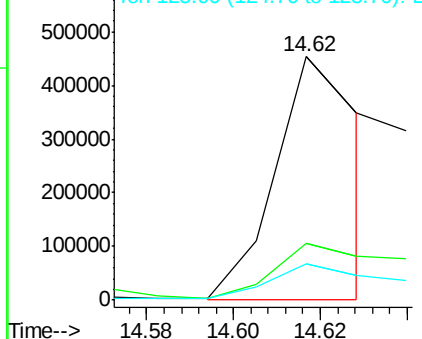
Lab File: BF090150.D

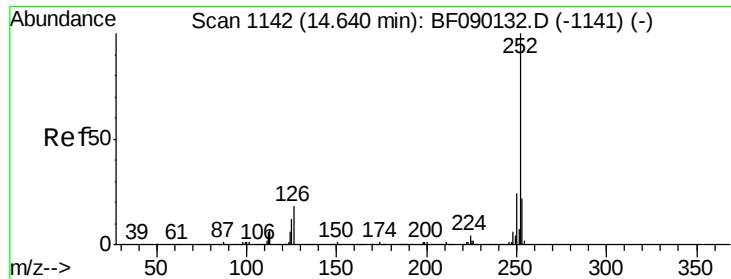
Acq: 20 Sep 2016 22:52

Tgt Ion:	252	Resp:	626244
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.9	26.9
125	14.9	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: 21.27 ng m

RT: 14.63 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Instrument :

BNA_F

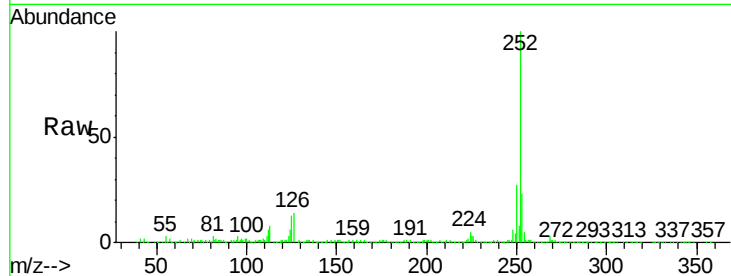
ClientSampleId :

FHSW-02-WESTSIDEWALL

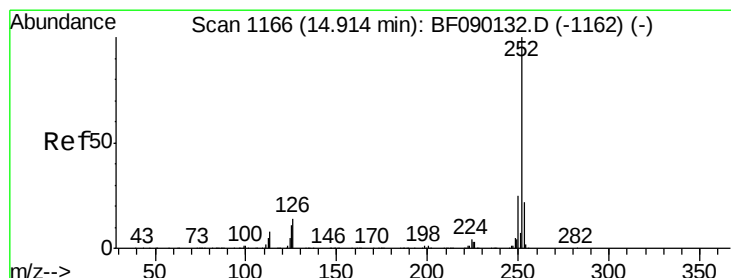
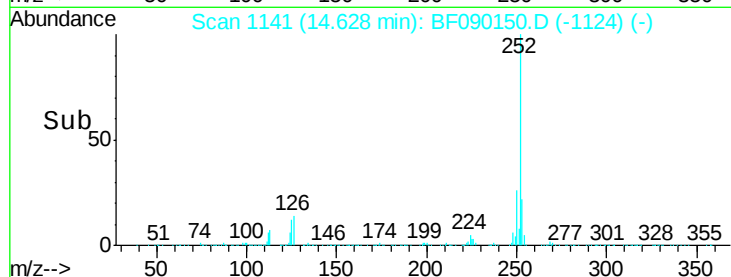
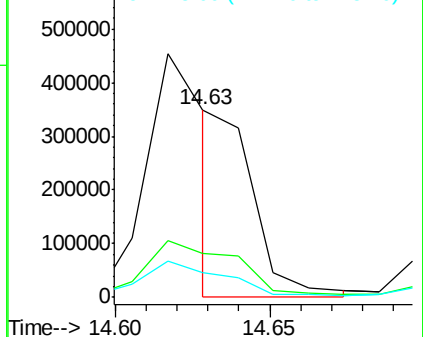
Tgt Ion:	252	Resp:	268867
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	13.2	7.8	11.6#

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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



#89

Benzo(a)pyrene

Concen: 37.69 ng

RT: 14.91 min Scan# 1166

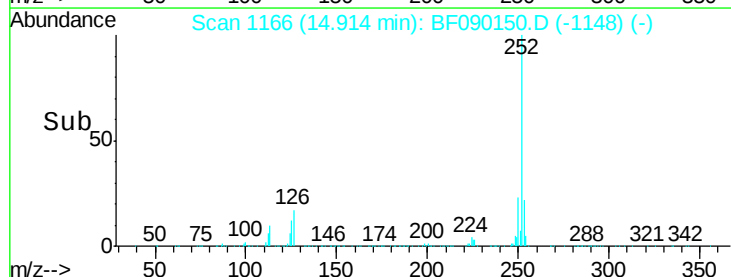
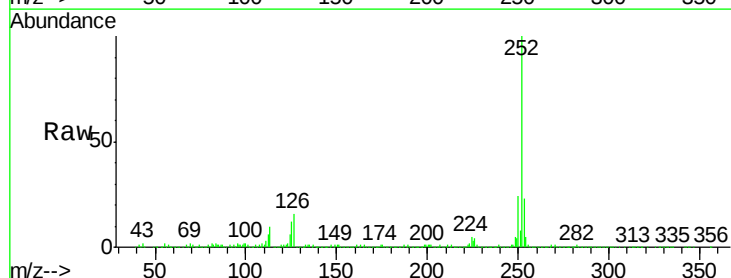
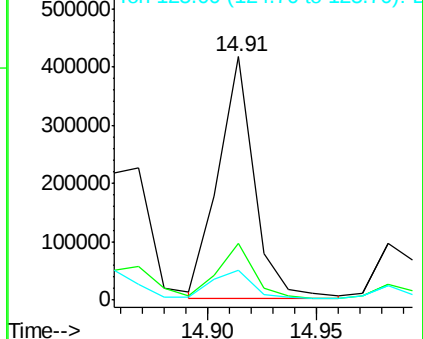
Delta R.T. 0.00 min

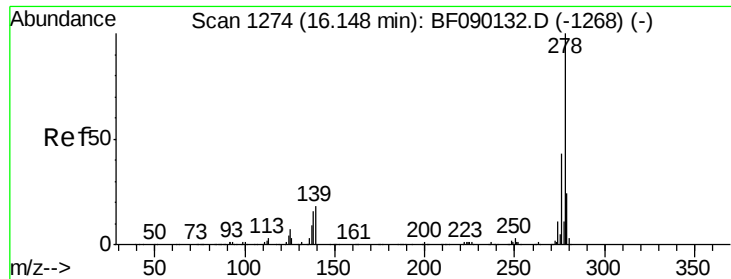
Lab File: BF090150.D

Acq: 20 Sep 2016 22:52

Tgt Ion:	252	Resp:	477568
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	12.5	7.7	11.5#

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





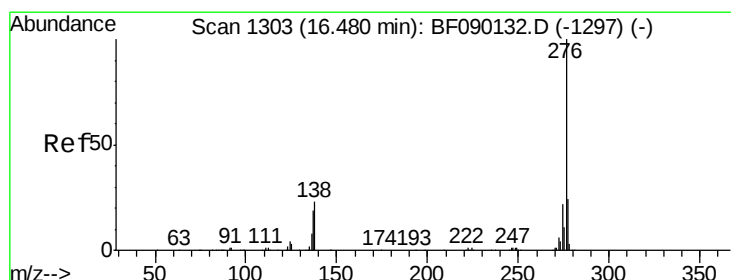
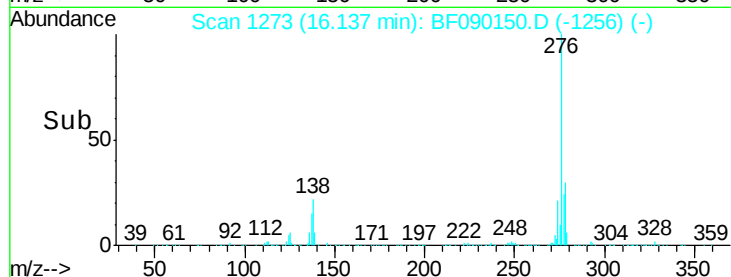
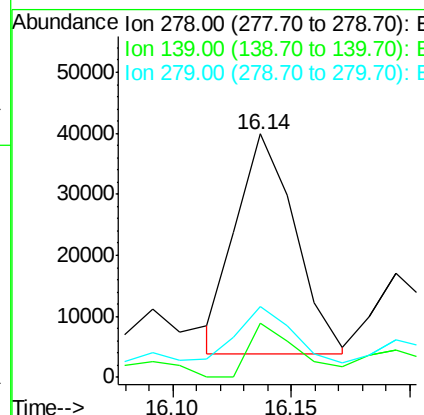
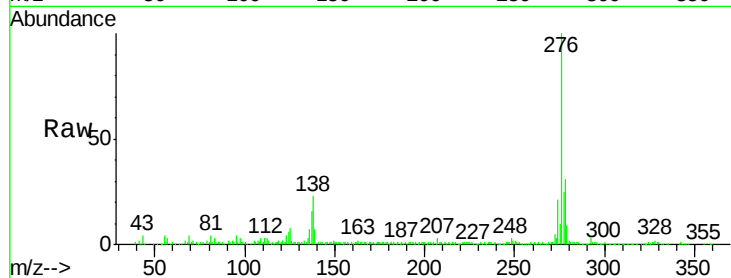
#90
Dibenzo(a,h)anthracene
Concen: 6.33 ng m
RT: 16.14 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF090150.D
Acq: 20 Sep 2016 22:52

Instrument :
BNA_F
ClientSampleId :
FHSW-02-WESTSIDEWALL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	14.6	21.8#
279	29.3	18.8	28.2#

Manual Integrations
APPROVED

sohil
9/21/2016 4:16:02 PM



#91
Benzo(g,h,i)perylene
Concen: 25.47 ng
RT: 16.48 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF090150.D
Acq: 20 Sep 2016 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	23.7	23.3	34.9

