

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
 Data File : BF090211.D
 Acq On : 23 Sep 2016 21:28
 Operator : UM/SJ
 Sample : H4896-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RICHMOND-REC-SELECTFILL-1

Manual Integrations
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Quant Time: Sep 23 23:59:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 23:35:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	145784	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	579960	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	289896	20.00	ng	0.00
63) Phenanthrene-d10	10.99	188	382650	20.00	ng	0.01
75) Chrysene-d12	13.60	240	260285	20.00	ng	0.00
86) Perylene-d12	14.93	264	224881	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	713135	79.73	ng	0.01
7) Phenol-d6	6.16	99	1445665	130.88	ng	0.01
23) Nitrobenzene-d5	7.06	82	914580	91.41	ng	0.00
41) 2,4,6-Tribromophenol	10.31	330	133706	53.76	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1456902	98.66	ng	0.00
78) Terphenyl-d14	12.57	244	817443	79.73	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.26	163	487650	26.41	ng	99
51) Acenaphthene	9.55	154	42810	2.90	ng	99
54) Dibenzofuran	9.72	168	45801	2.36	ng	96
57) Fluorene	10.07	166	50684	3.46	ng	100
70) Phenanthrene	11.02	178	536418	29.98	ng	99
71) Anthracene	11.06	178	136157	7.25	ng	98
72) Carbazole	11.22	167	47648	2.40	ng	97
74) Fluoranthene	12.19	202	474721	24.71	ng	92
77) Pyrene	12.41	202	382152	21.46	ng	97
80) Benzo(a)anthracene	13.59	228	167185	11.94	ng	98
82) Chrysene	13.62	228	121006m	8.87	ng	
83) Bis(2-ethylhexyl)phthalate	13.65	149	661613	59.34	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.08	276	57965	5.26	ng	93
87) Benzo(b)fluoranthene	14.58	252	139277m	11.18	ng	
88) Benzo(k)fluoranthene	14.59	252	71355m	6.11	ng	
89) Benzo(a)pyrene	14.88	252	107086	9.14	ng	# 96
91) Benzo(a,h,i)perylene	16.42	276	50811	5.68	ng	94

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

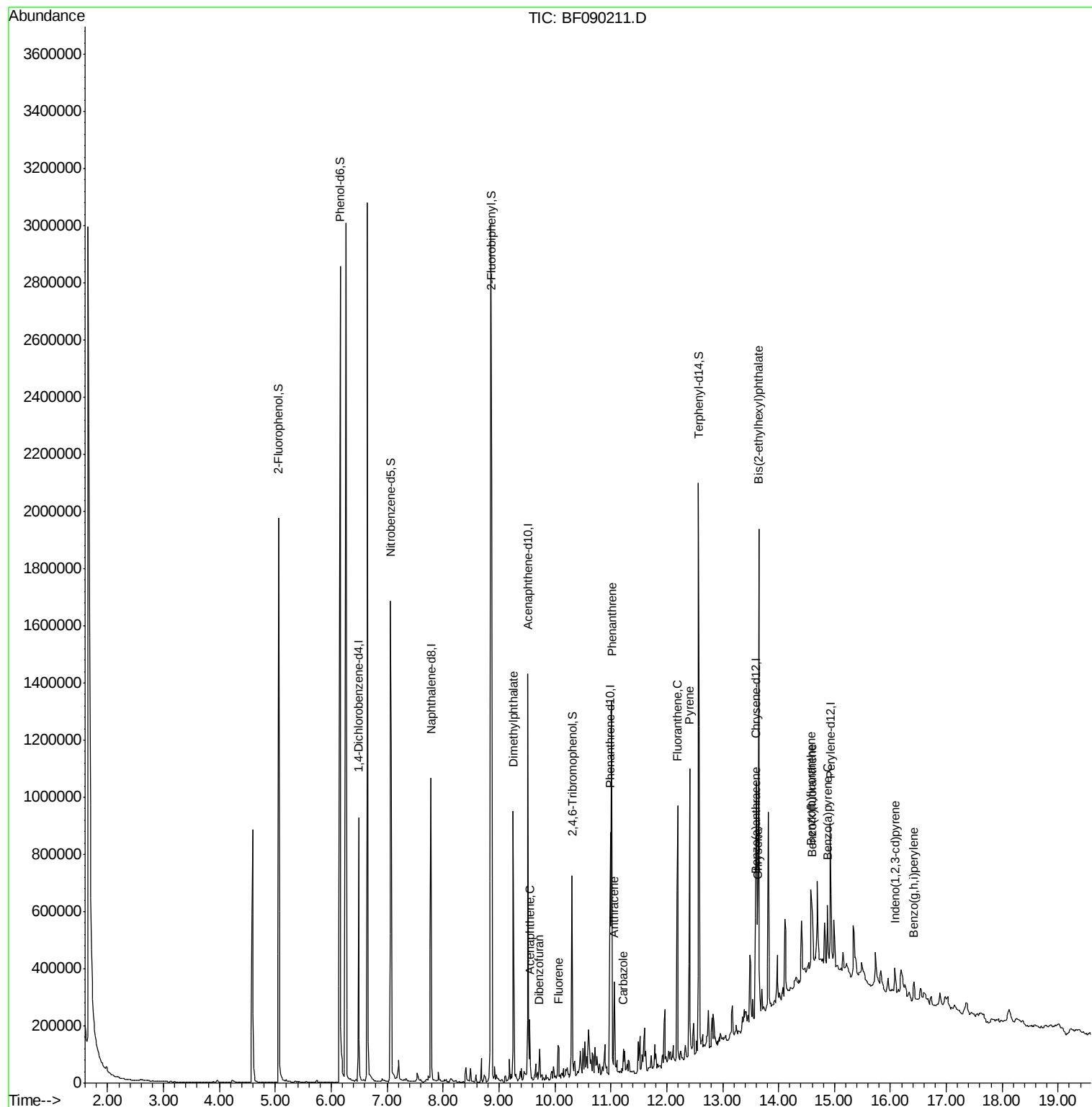
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

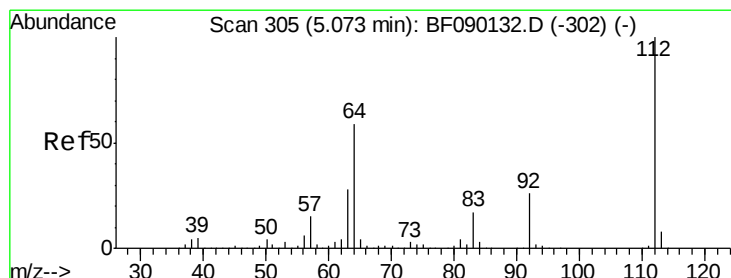
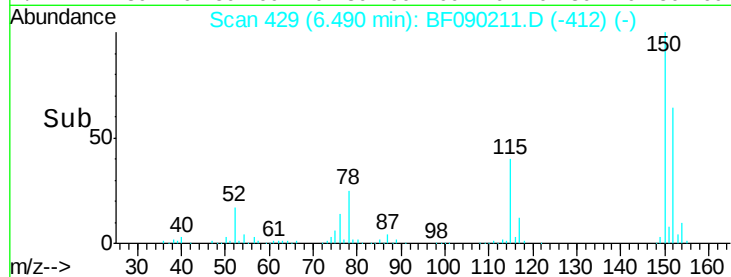
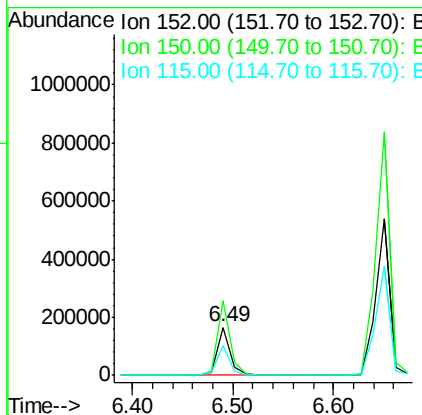
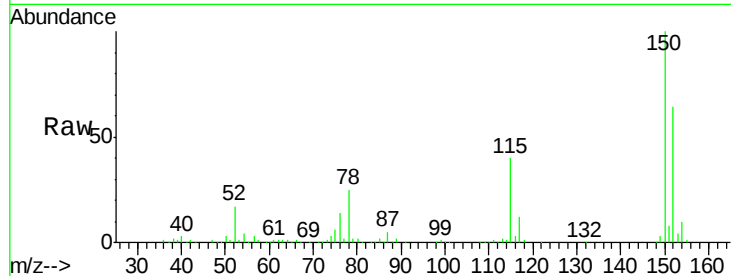
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	128.9	193.3
115	62.2	55.5	83.3

Manual Integrations
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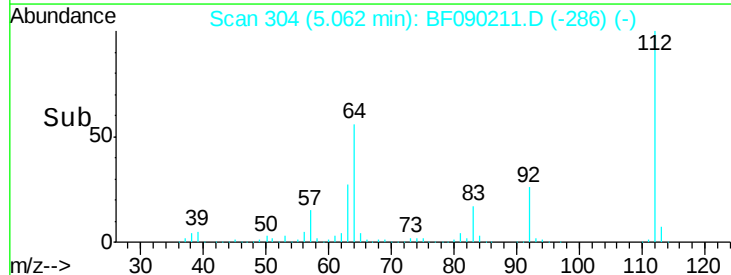
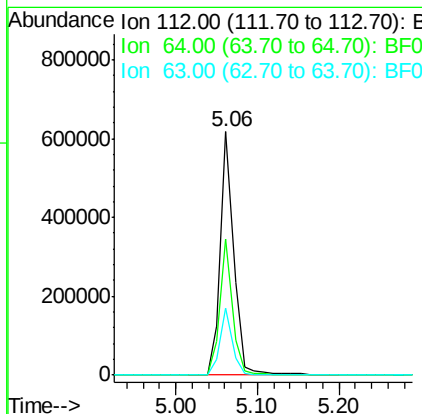
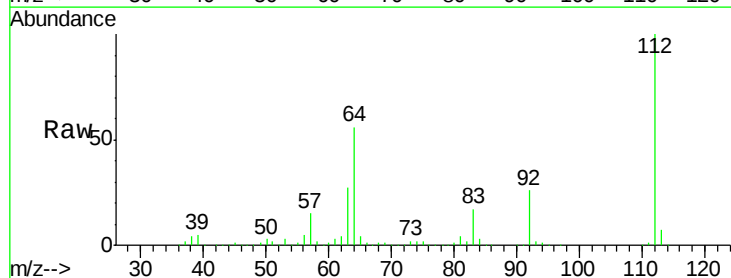
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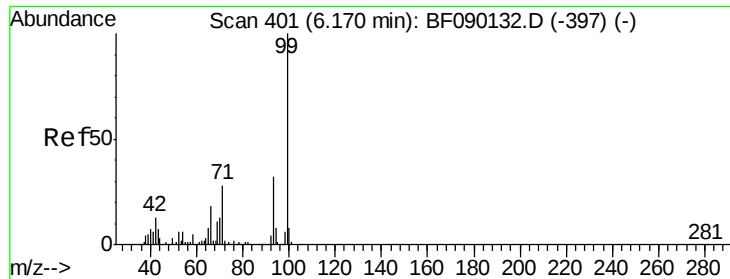


#5

2-Fluorophenol
Concen: 79.73 ng
RT: 5.06 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	39.8	59.6
63	27.3	18.9	28.3





#7

Phenol-d6

Concen: 130.88 ng

RT: 6.16 min Scan# 400

Delta R.T. 0.01 min

Lab File: BF090211.D

Acq: 23 Sep 2016 21:28

Instrument :

BNA_F

ClientSampleId :

RICHMOND-REC-SELECTFILL-1

Tot Ion: 99 Resp: 1445665

Ion Ratio Lower Upper

99 100

42 13.0 10.6 15.8

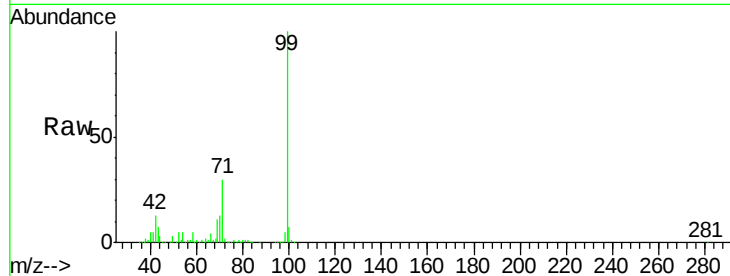
71 30.4 23.0 34.6

Manual Integrations

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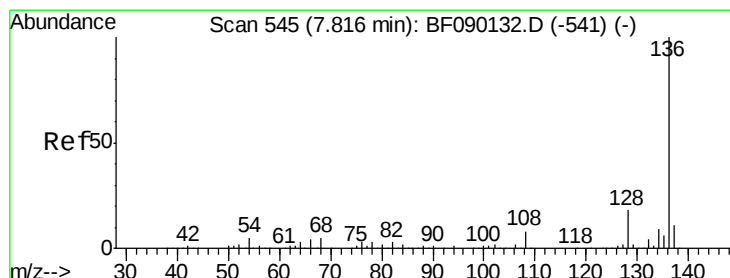
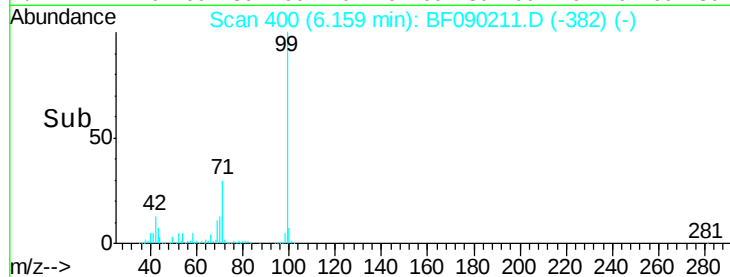
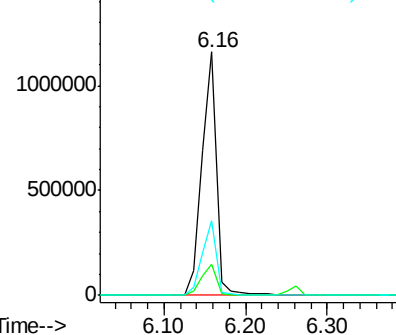
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.78 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF090211.D

Acq: 23 Sep 2016 21:28

Tgt Ion: 136 Resp: 579960

Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 5.3 6.4 9.6#

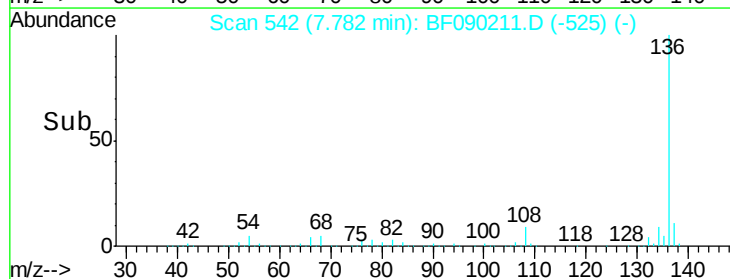
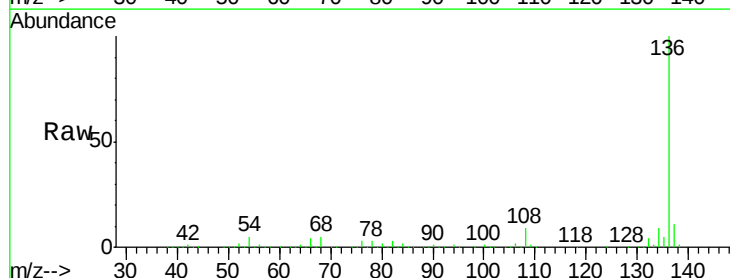
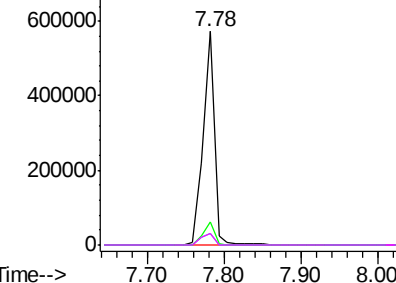
68 5.5 6.3 9.5#

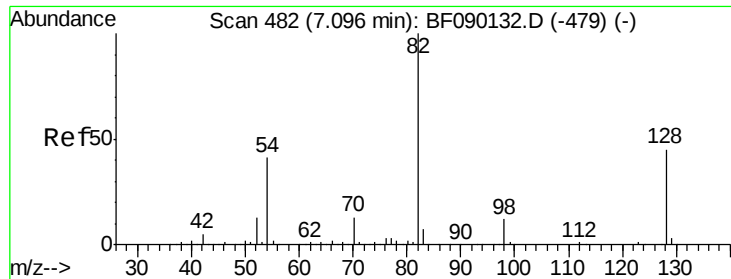
Abundance Ion 136.00 (135.70 to 136.70): E

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





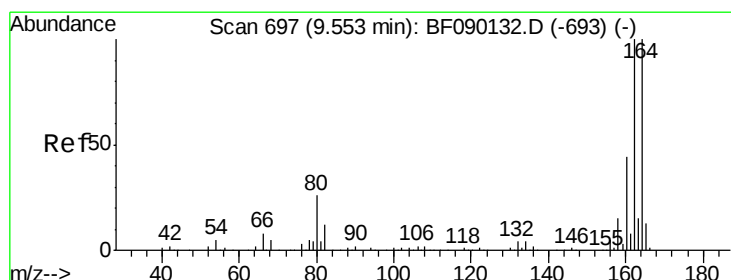
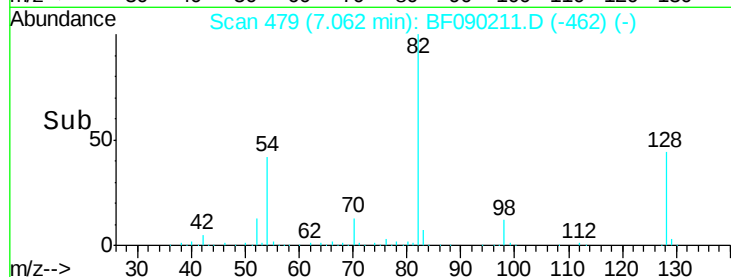
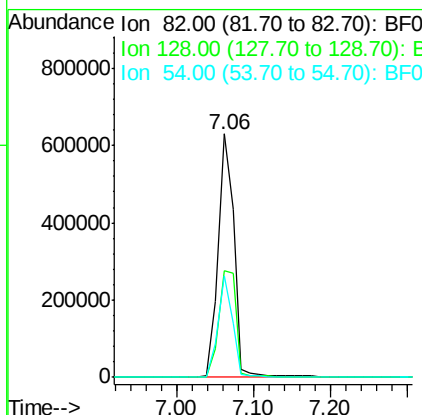
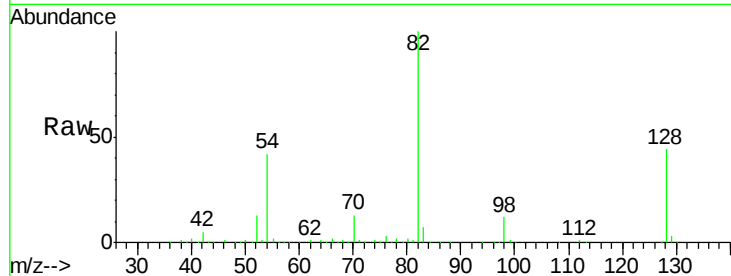
#23
 Nitrobenzene-d5
 Concen: 91.41 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BF090211.D
 Acq: 23 Sep 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100	914580		
128	43.8		37.5	56.3
54	41.8		31.9	47.9

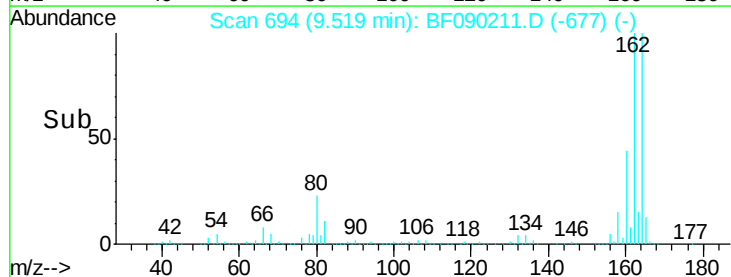
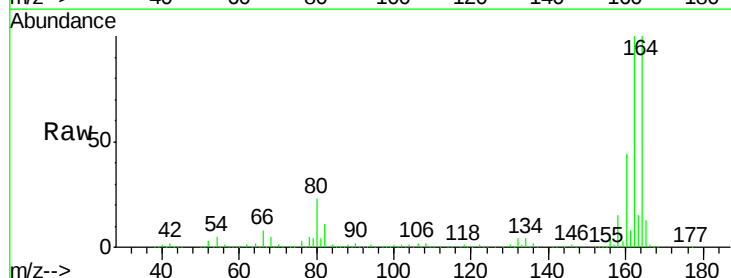
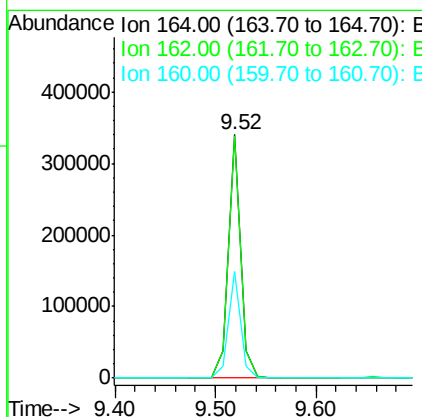
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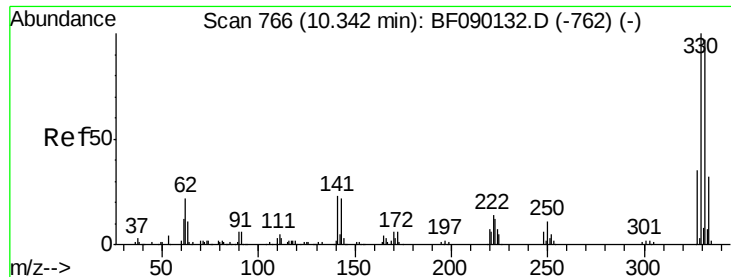
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: BF090211.D
 Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	289896		
162	99.6		81.4	122.2
160	44.0		36.6	54.8





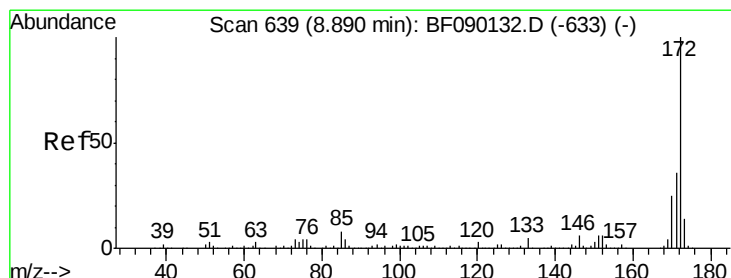
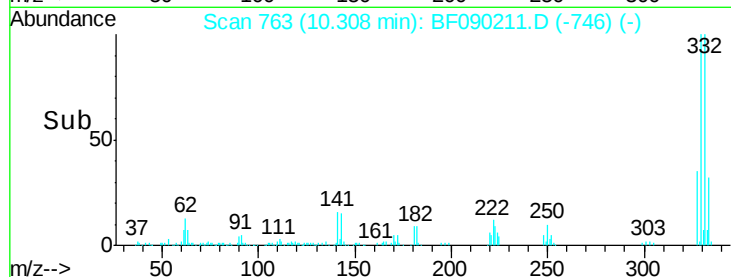
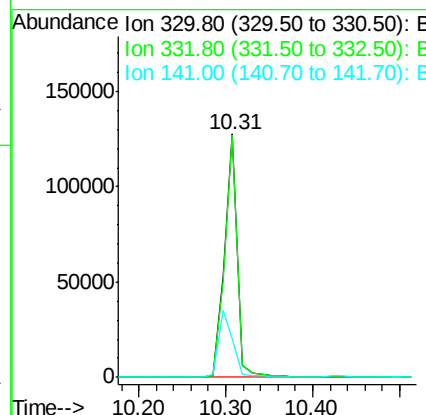
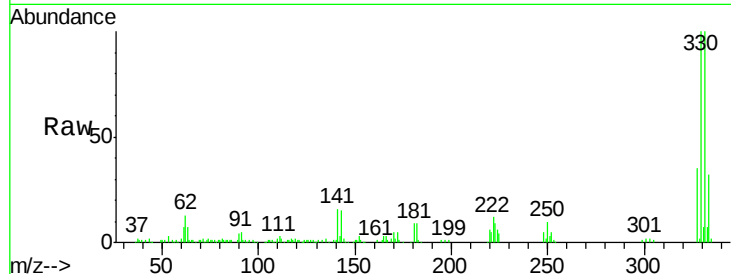
#41
 2,4,6-Tribromophenol
 Concen: 53.76 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BF090211.D
 Acq: 23 Sep 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	133706		
332	98.7		78.1	117.1
141	32.0		23.9	35.9

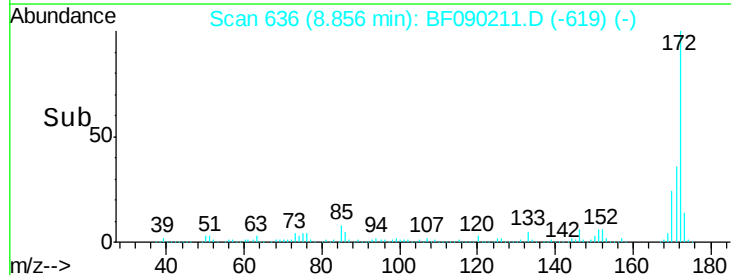
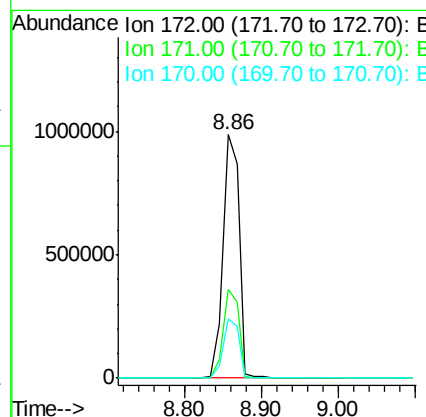
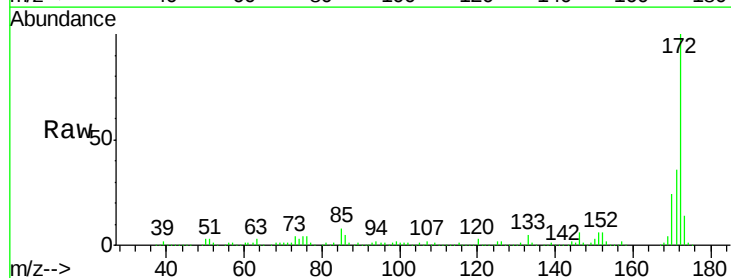
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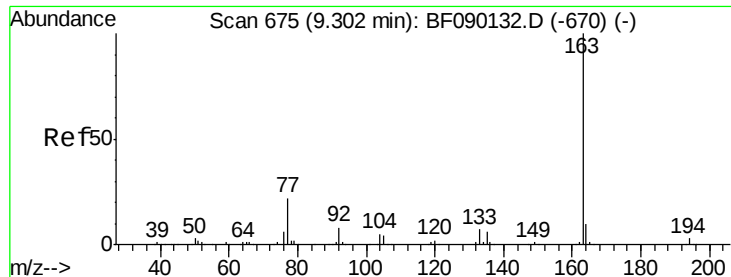
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#44
 2-Fluorobiphenyl
 Concen: 98.66 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: BF090211.D
 Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1456902		
171	36.3		29.2	43.8
170	24.4		19.8	29.8





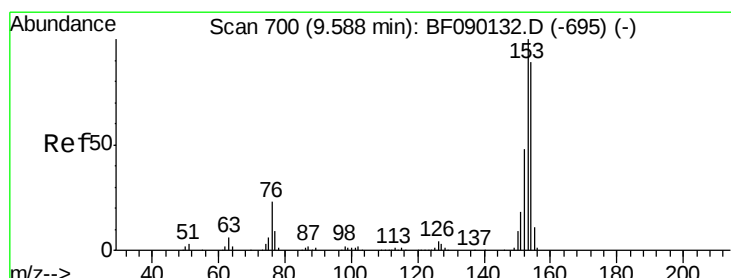
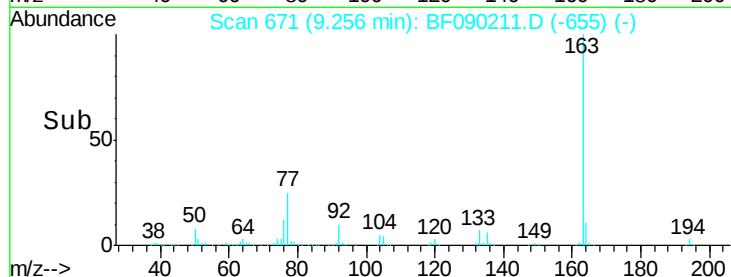
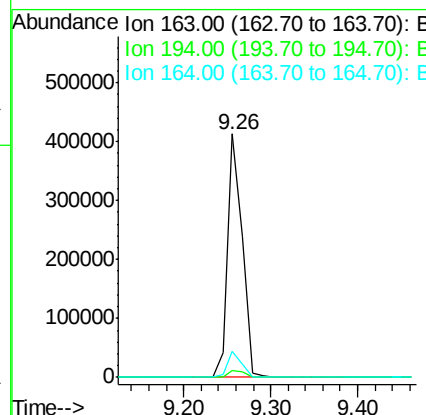
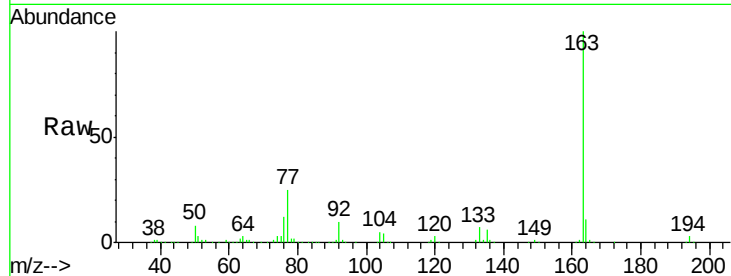
#49
Dimethylphthalate
Concen: 26.41 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	487650		
194	3.0		2.8	4.2
164	10.5		8.1	12.1

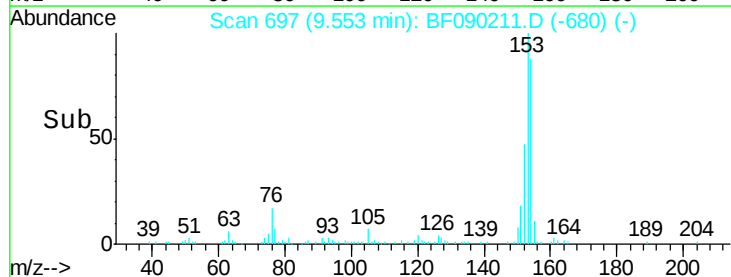
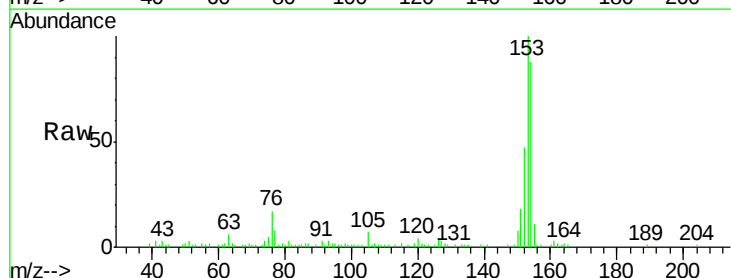
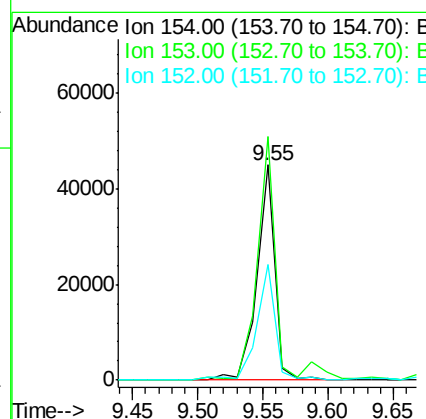
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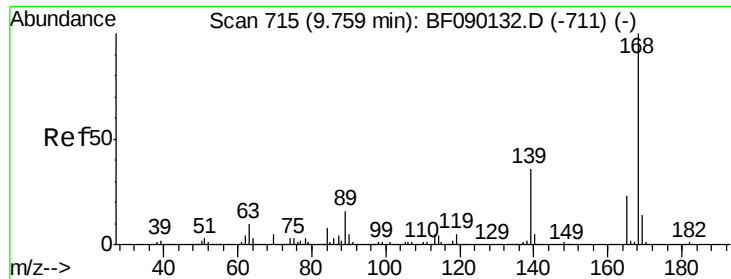
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#51
Acenaphthene
Concen: 2.90 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42810		
153	113.1		90.8	136.2
152	53.5		44.2	66.4





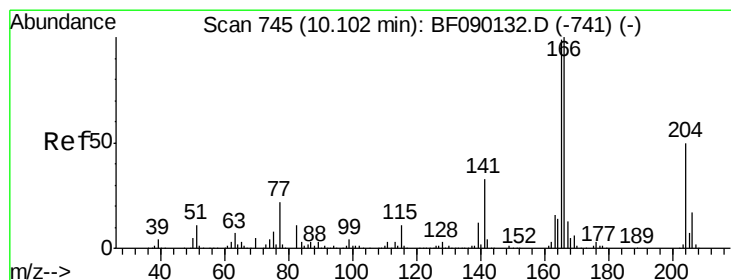
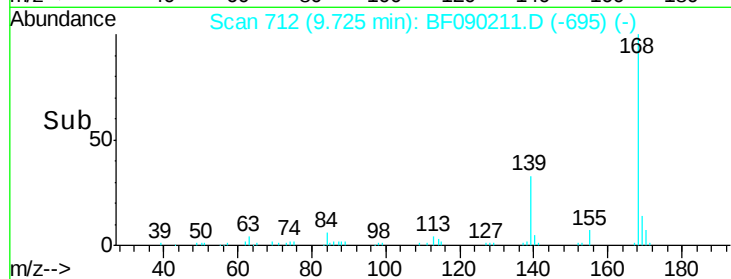
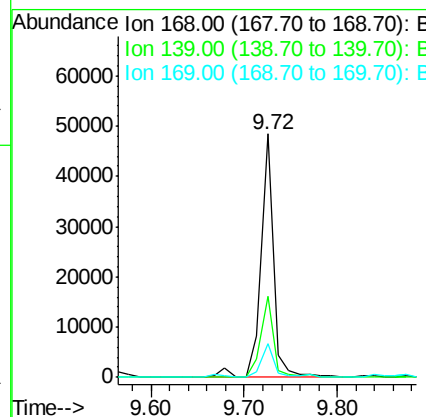
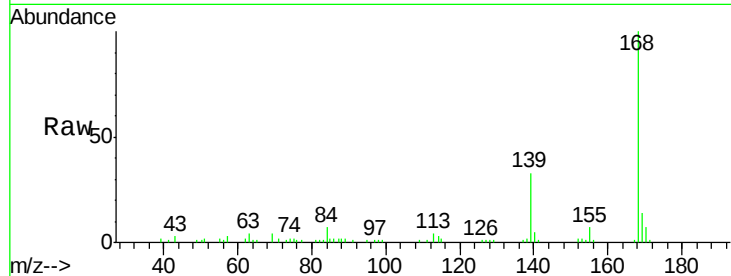
#54
Dibenzenofuran
Concen: 2.36 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.1	28.8	43.2
169	13.6	10.7	16.1

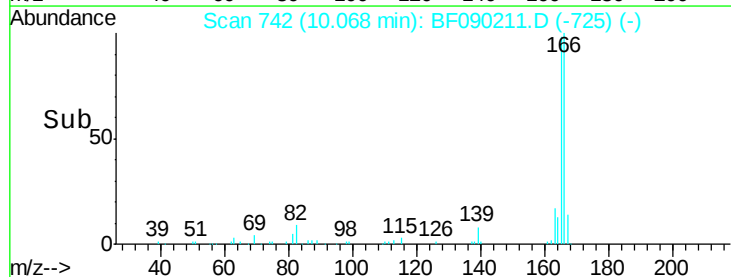
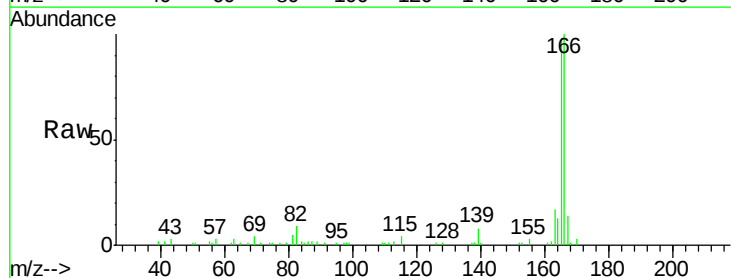
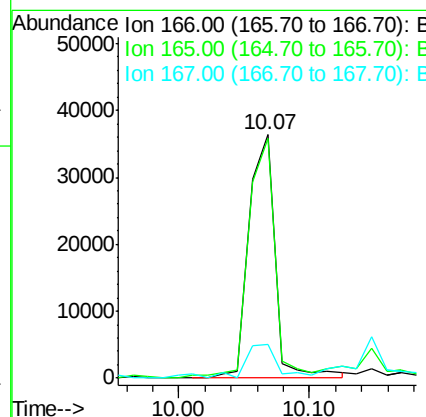
Manual Integrations
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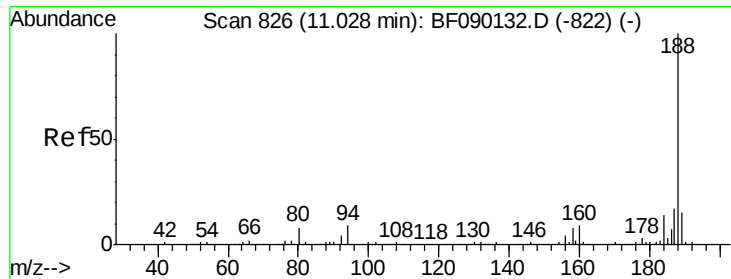
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#57
Fluorene
Concen: 3.46 ng
RT: 10.07 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.5	117.7
167	13.8	11.2	16.8





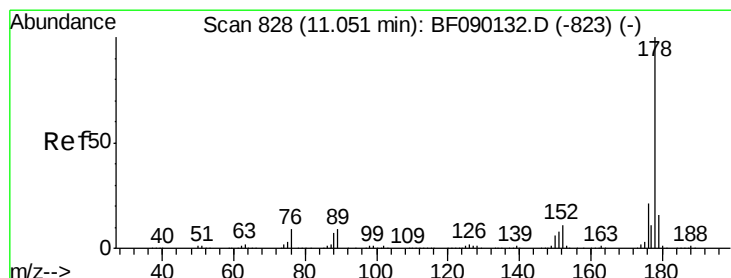
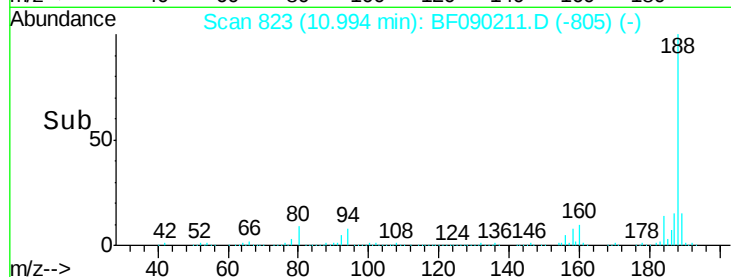
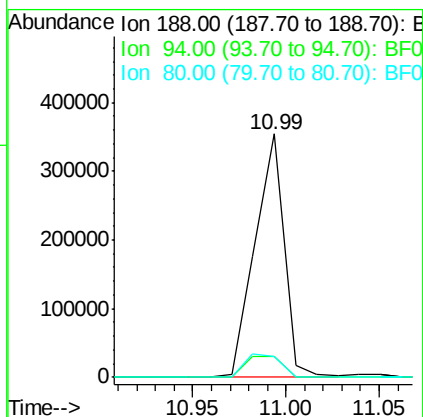
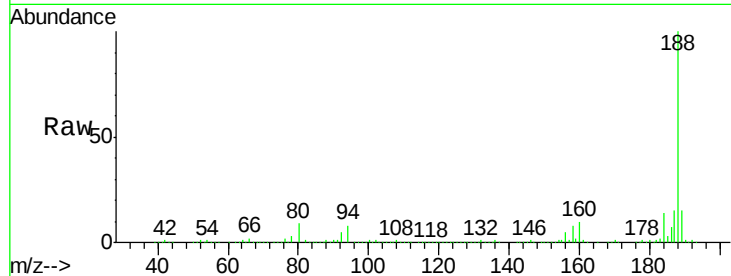
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. 0.01 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	10.5	15.7#
80	8.6	11.2	16.8#

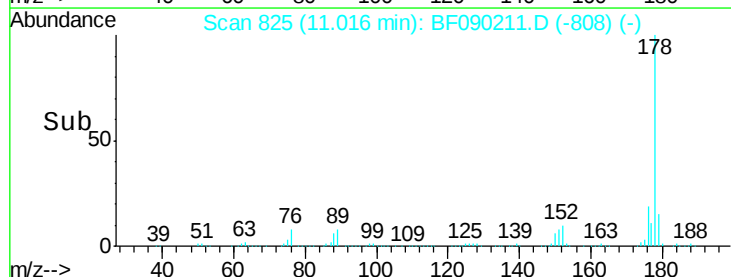
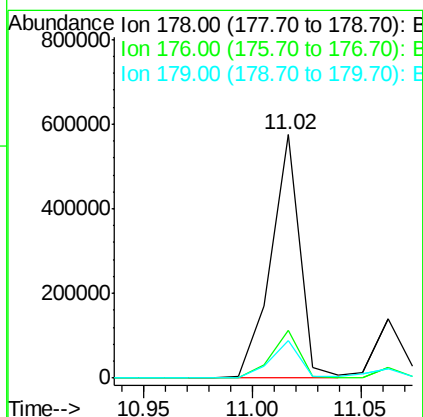
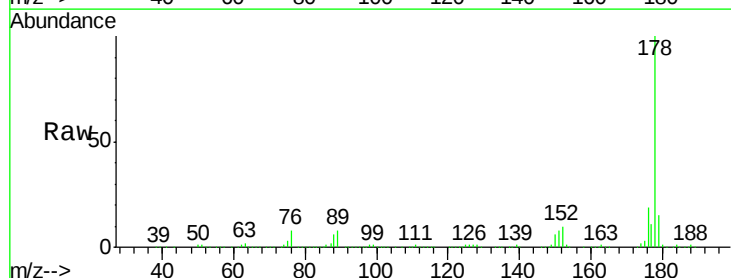
Manual Integrations
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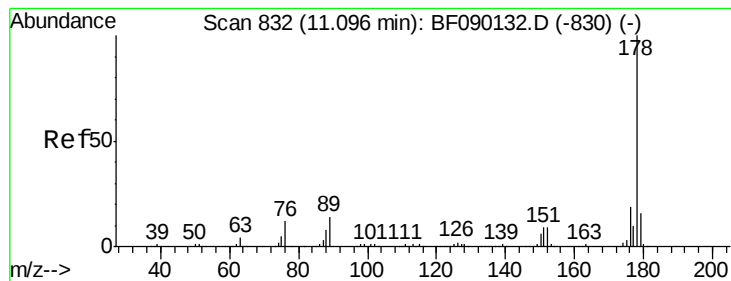
sohil
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#70
Phenanthrene
Concen: 29.98 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.4	12.9	19.3





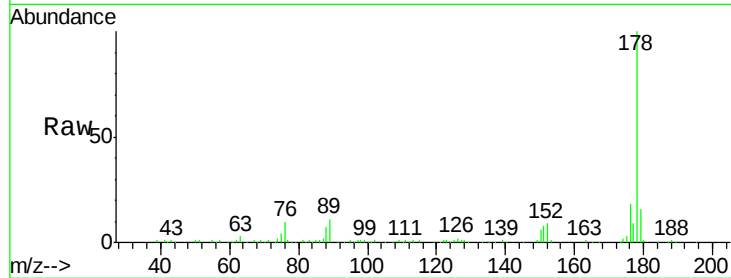
#71
 Anthracene
 Concen: 7.25 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF090211.D
 Acq: 23 Sep 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 RICHMOND-REC-SELECTFILL-1

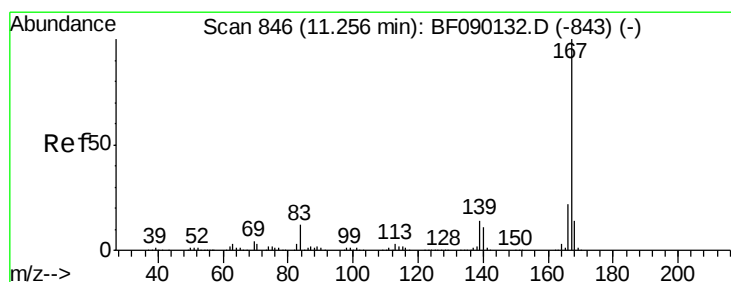
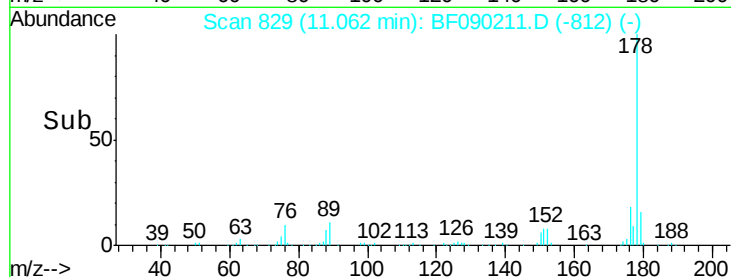
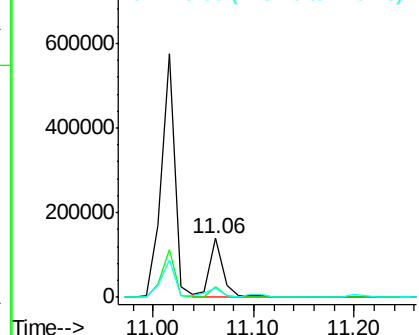
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.6
179	15.9	12.6	19.0

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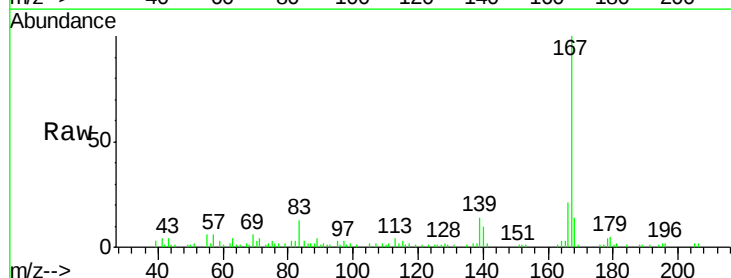


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

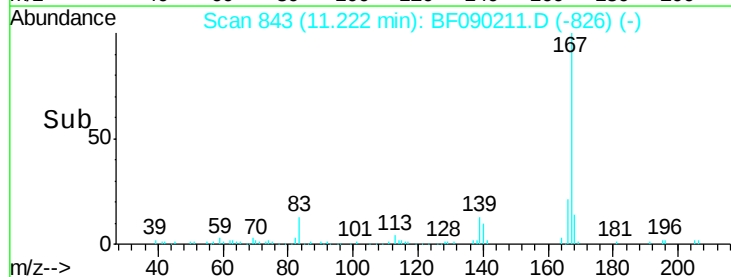
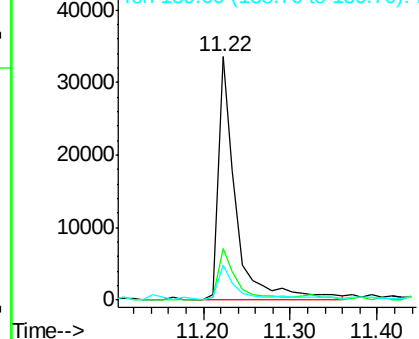


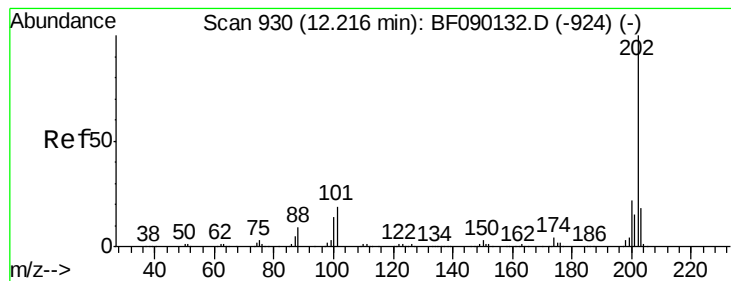
#72
 Carbazole
 Concen: 2.40 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BF090211.D
 Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.0	27.0
139	14.1	10.4	15.6



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





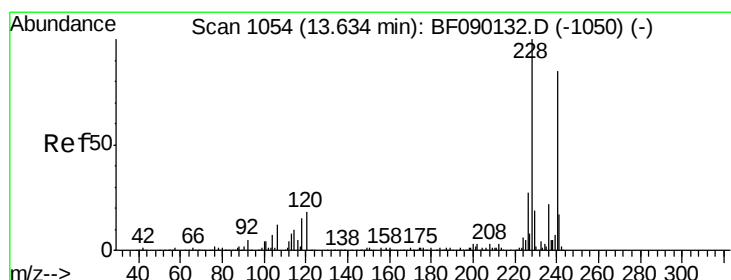
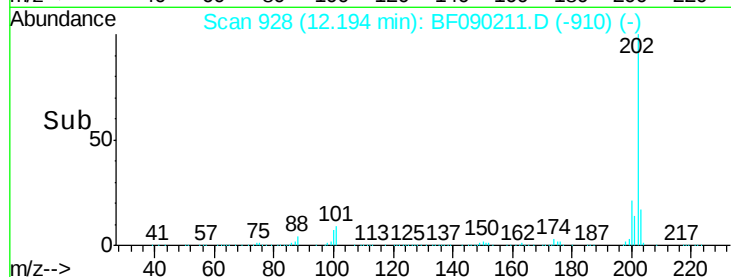
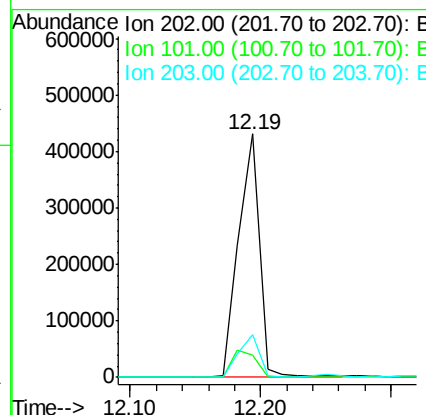
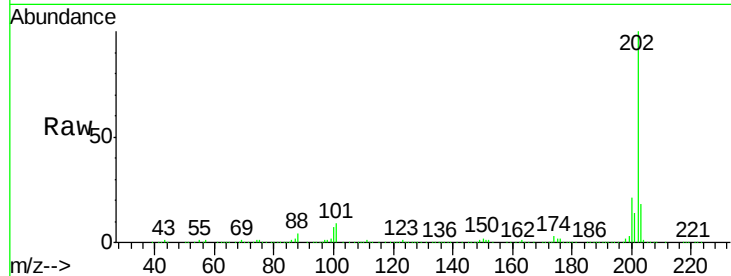
#74
Fluoranthene
Concen: 24.71 ng
RT: 12.19 min Scan# 928
Delta R.T. 0.01 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.4	0.0	36.1
203	17.6	0.0	38.2

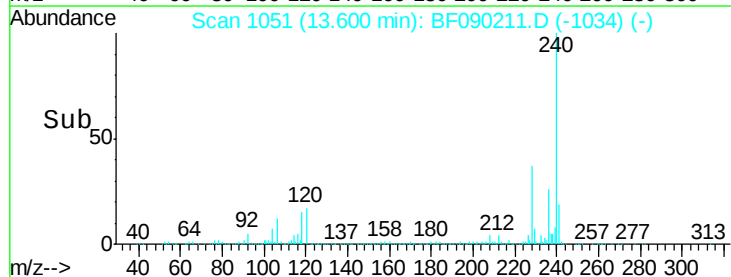
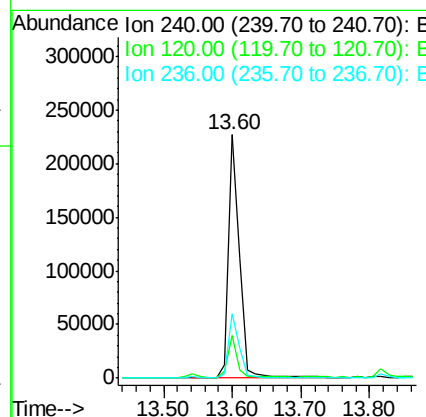
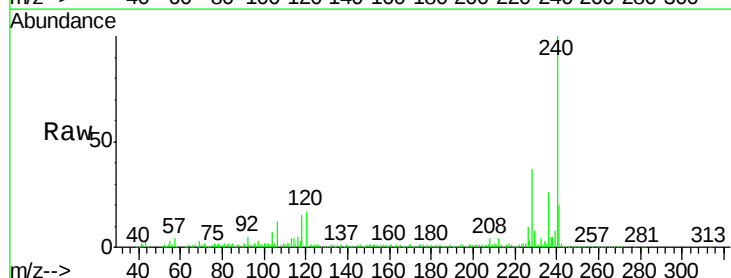
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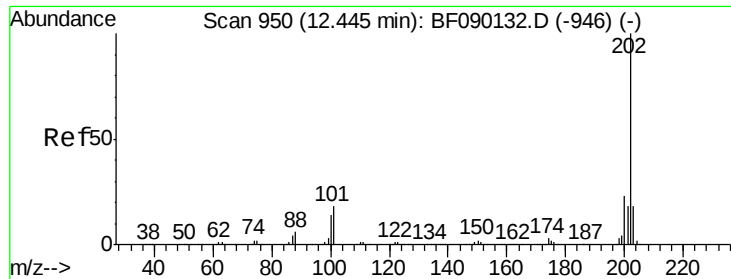
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.60 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.4	10.6	16.0#
236	26.2	21.6	32.4





#77

Pvrene

Concen: 21.46 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF090211.D

Acq: 23 Sep 2016 21:28

Instrument :

BNA_F

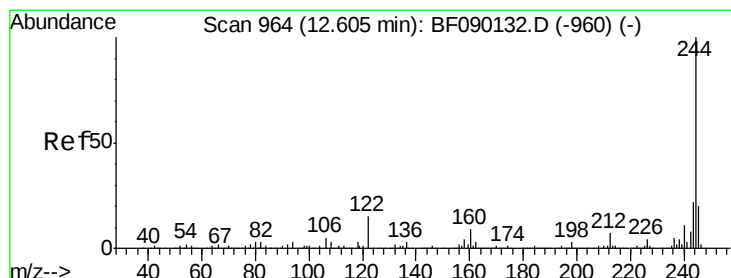
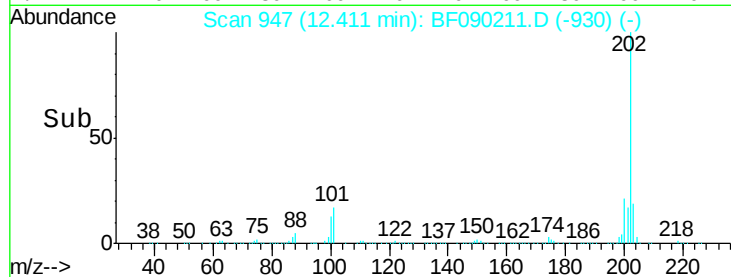
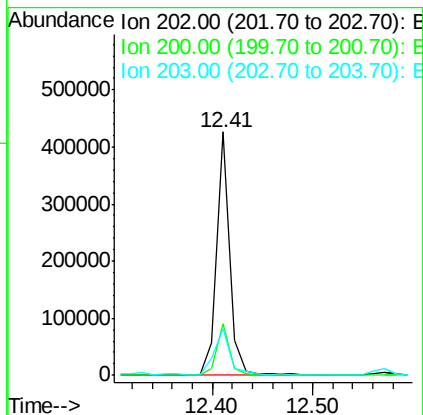
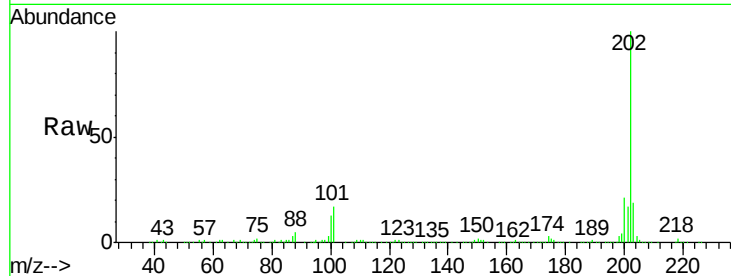
ClientSampleId :

RICHMOND-REC-SELECTFILL-1

Tot Ion:	202	Resp:	382152
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.9	26.9
203	19.3	14.2	21.4

Manual Integrations
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#78

Terphenyl-d14

Concen: 79.73 ng

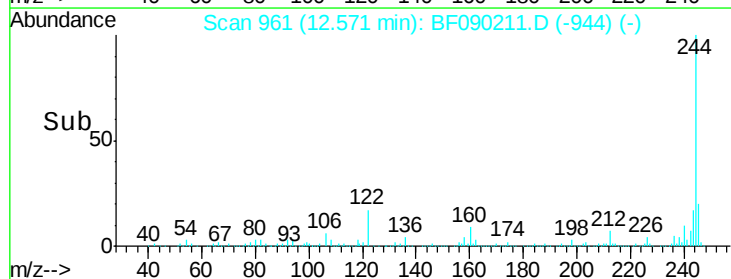
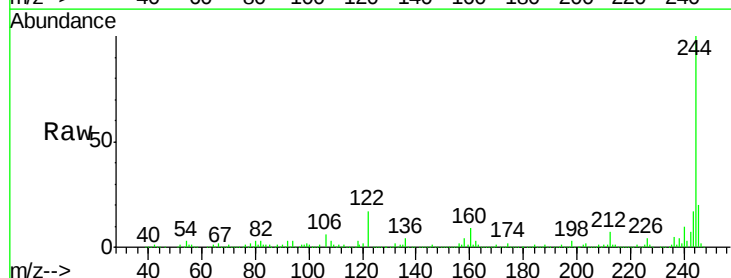
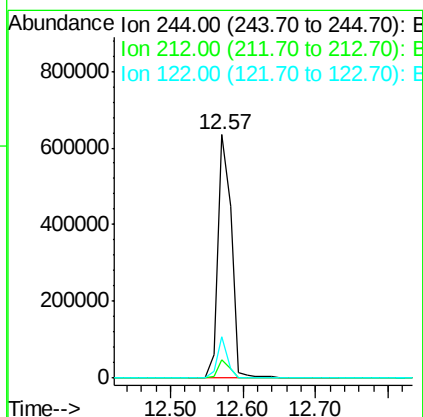
RT: 12.57 min Scan# 961

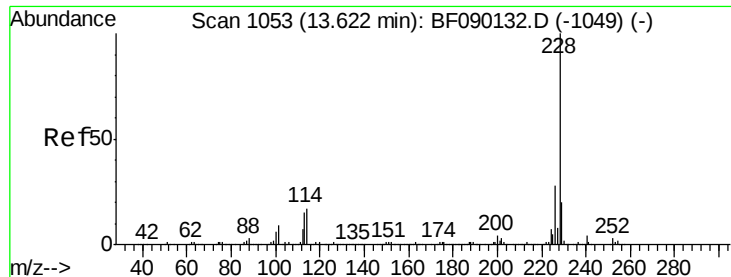
Delta R.T. -0.00 min

Lab File: BF090211.D

Acq: 23 Sep 2016 21:28

Tgt Ion:	244	Resp:	817443
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.8	8.8
122	17.3	9.4	14.0#





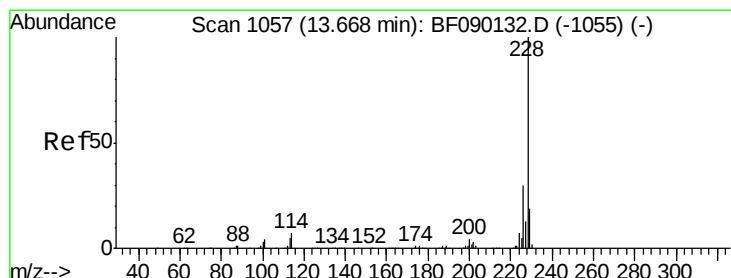
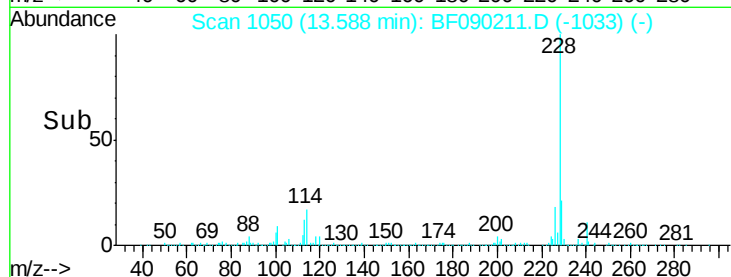
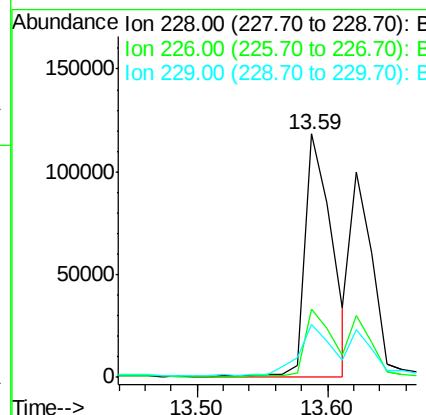
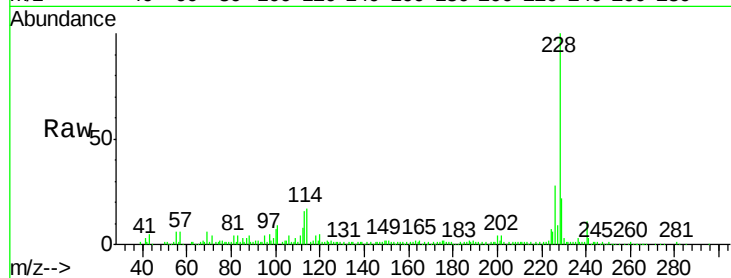
#80
Benzo(a)anthracene
Concen: 11.94 ng
RT: 13.59 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.0	33.0
229	21.8	16.2	24.2

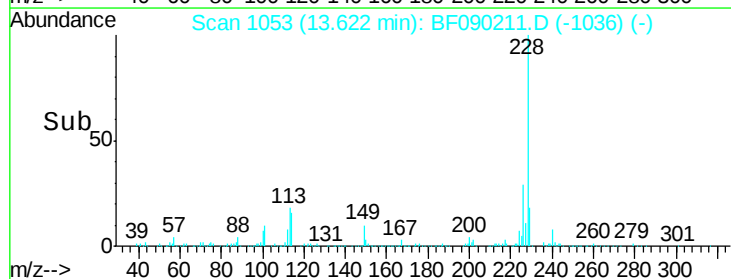
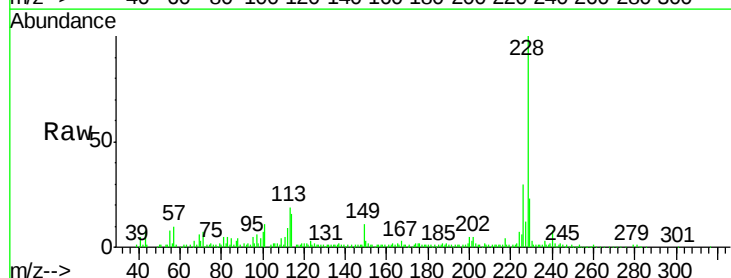
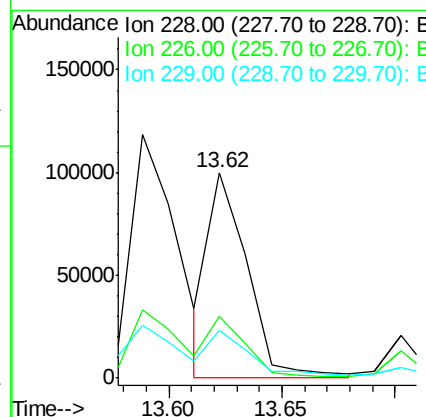
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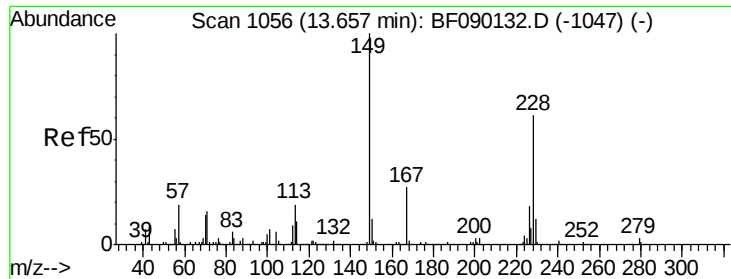
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#82
Chrysene
Concen: 8.87 ng m
RT: 13.62 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	22.9	16.2	24.4





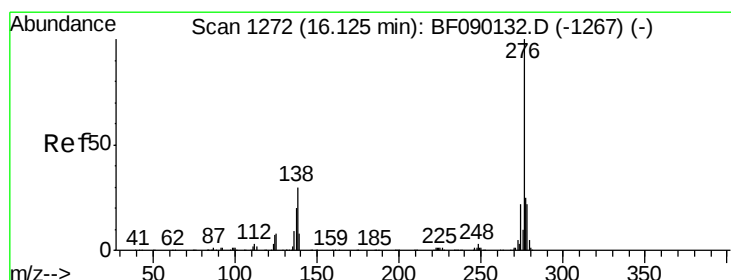
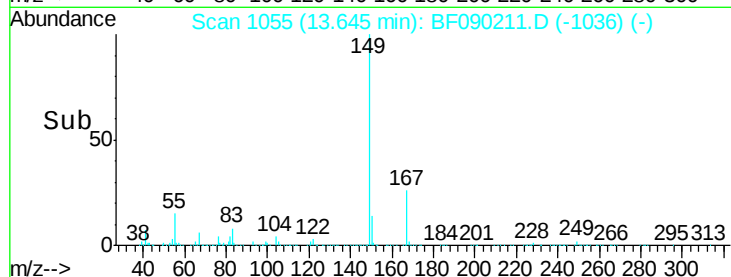
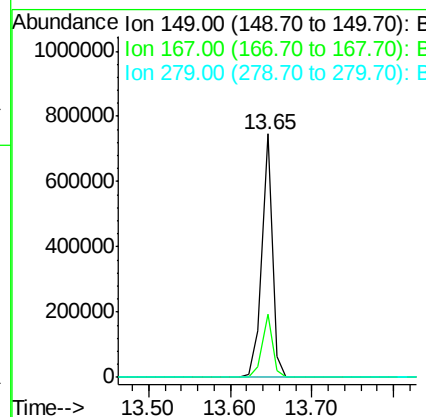
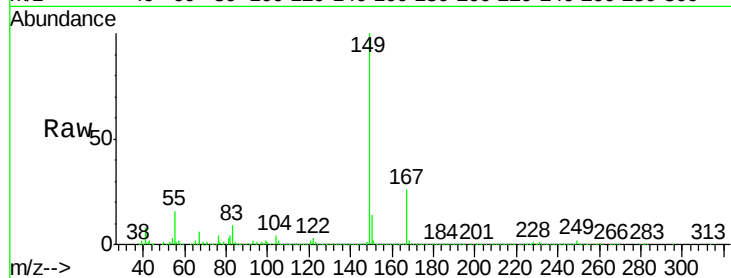
#83
Bis(2-ethylhexyl)phthalate
Concen: 59.34 ng
RT: 13.65 min Scan# 1055
Delta R.T. 0.02 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Resp	Lower	Upper
149	100	661613		
167	25.8	21.2	31.8	
279	0.0	2.2	3.2	

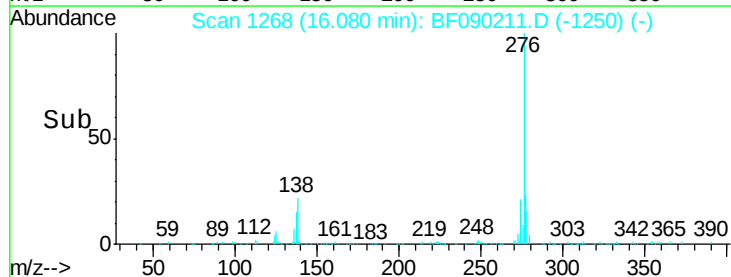
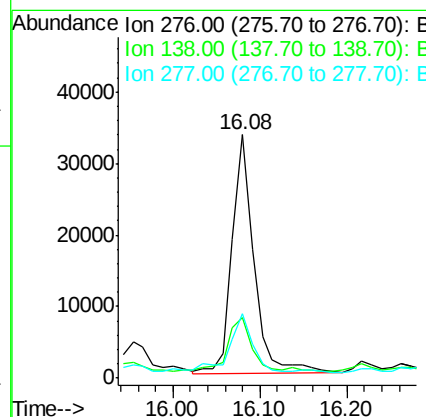
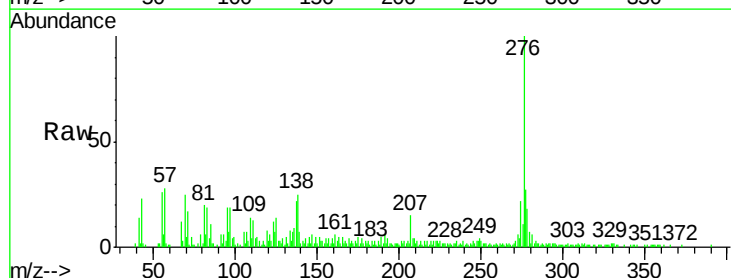
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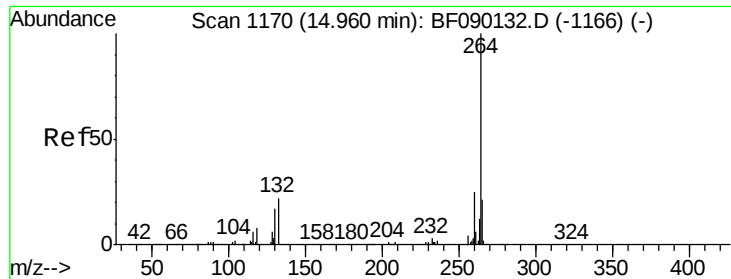
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.26 ng
RT: 16.08 min Scan# 1268
Delta R.T. 0.01 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	57965		
138	27.5	25.9	38.9	
277	27.1	19.9	29.9	





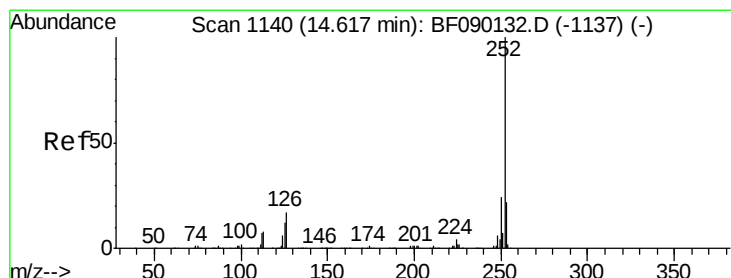
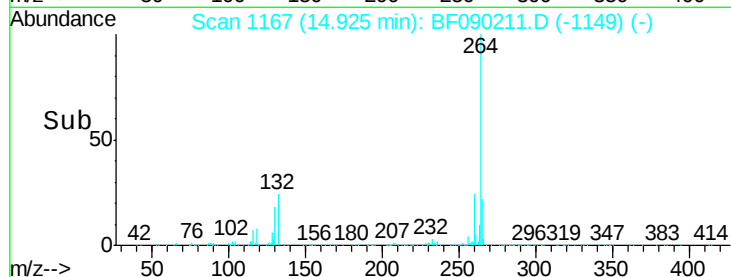
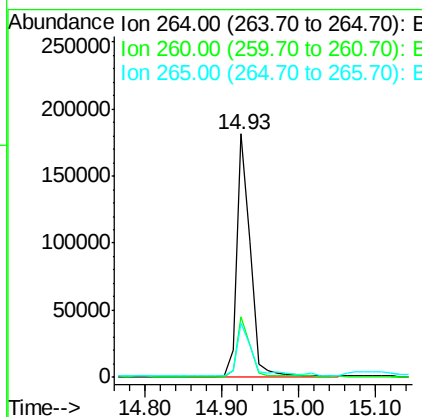
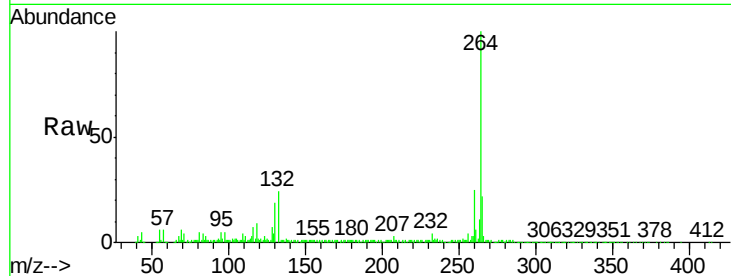
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

Tot Ion:	264	Resp:	224881
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	22.2	17.0	25.4

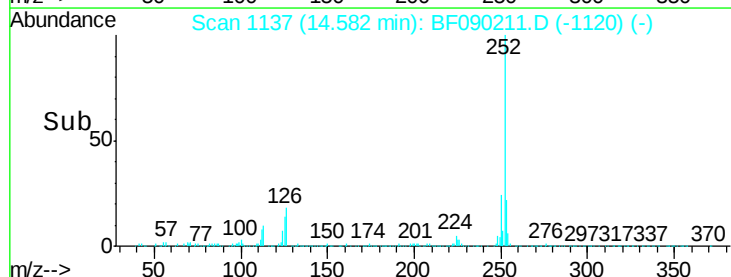
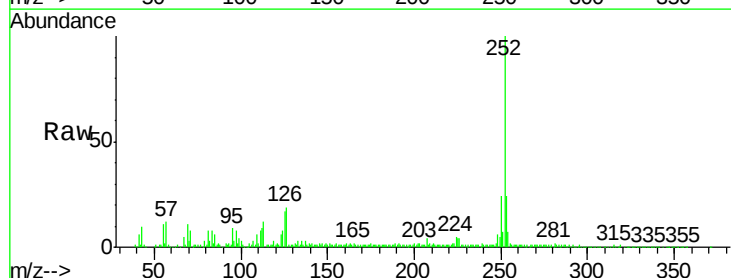
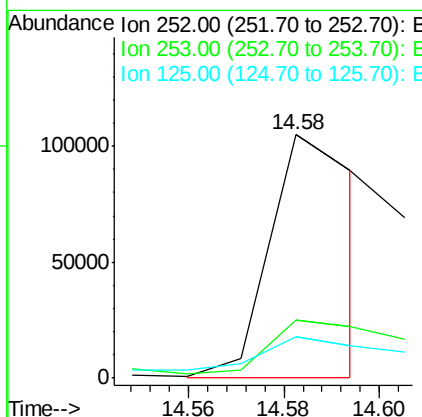
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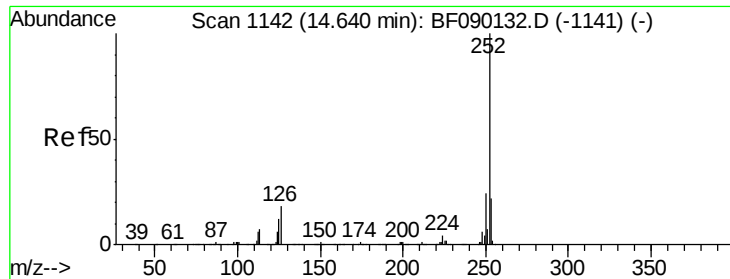
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#87
Benzo(b)fluoranthene
Concen: 11.18 ng m
RT: 14.58 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Tgt Ion:	252	Resp:	139277
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	17.1	12.7	19.1





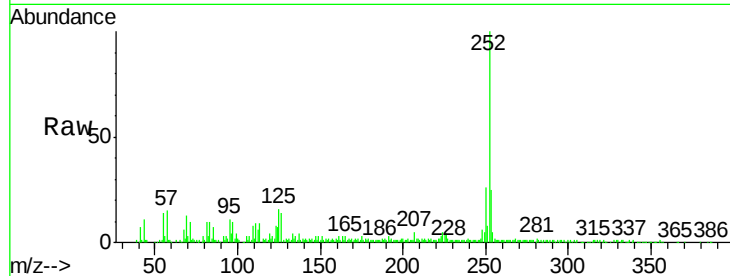
#88
Benzo(k)fluoranthene
Concen: 6.11 ng/ml
RT: 14.59 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL-1

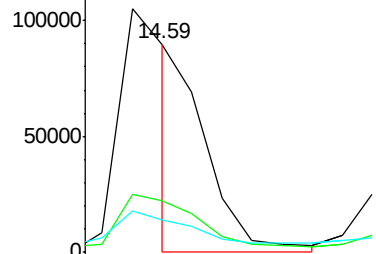
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	15.7	7.8	11.6

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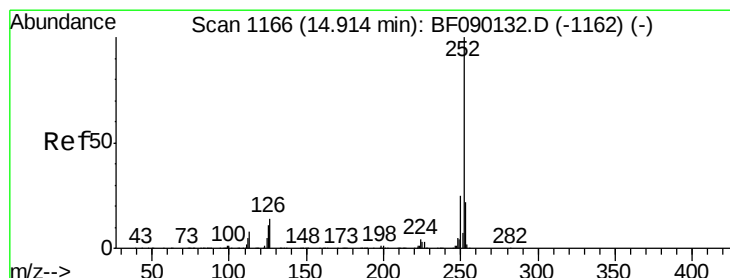
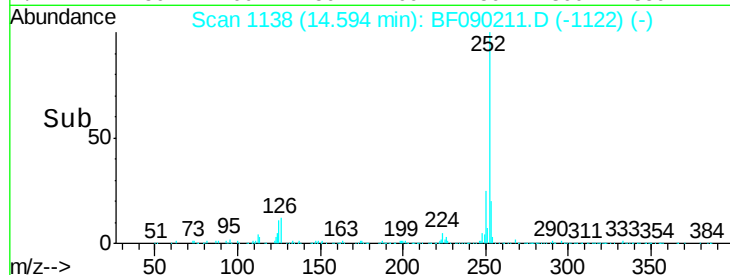
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

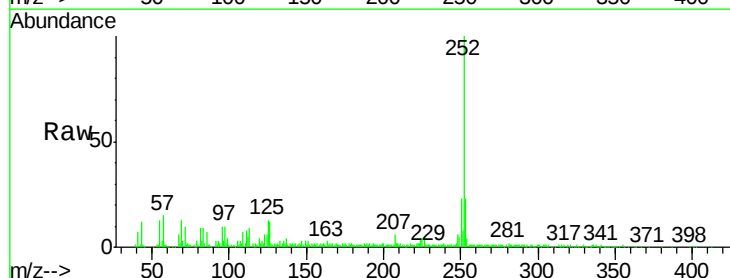


Time-->

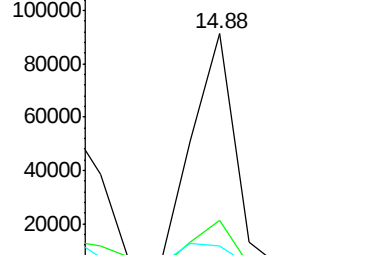


#89
Benzo(a)pyrene
Concen: 9.14 ng
RT: 14.88 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BF090211.D
Acq: 23 Sep 2016 21:28

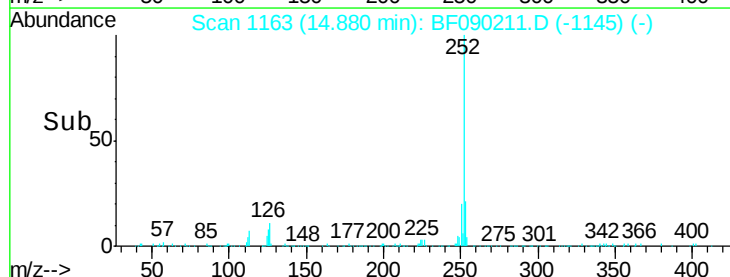
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	12.6	7.7	11.5

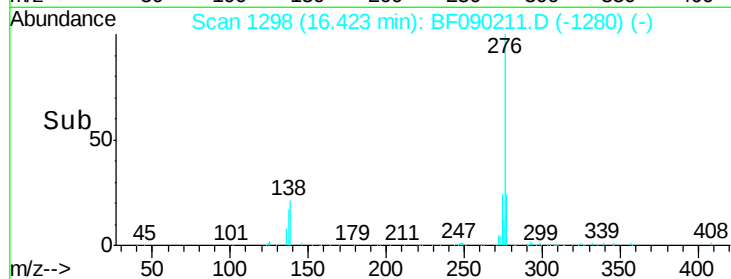
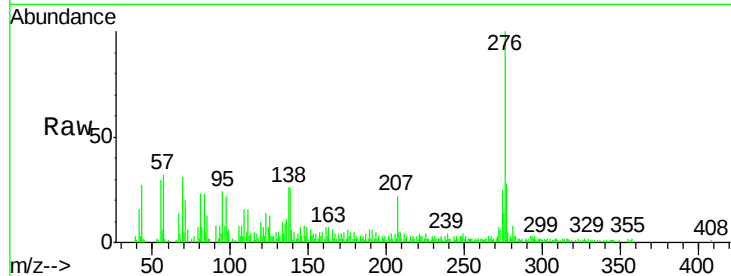
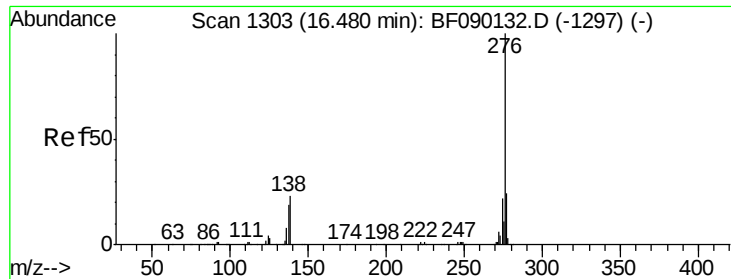


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#91
 Benzo(a,h,i)perylene
 Concen: 5.68 ng
 RT: 16.42 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: BF090211.D
 Acq: 23 Sep 2016 21:28

Instrument :
 BNA_F
 ClientSampleId :
 RICHMOND-REC-SELECTFILL-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	18.9	28.3
138	26.4	23.3	34.9

Manual Integrations
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