

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060716\
 Data File : BF087805.D
 Acq On : 8 Jun 2016 00:46
 Operator : UM/SJ
 Sample : H3379-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Manual Integrations
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Quant Time: Jun 08 05:26:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	104769	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	424865	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	180577	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	281003	20.00	ng	0.00
75) Chrysene-d12	13.98	240	213498	20.00	ng	-0.01
86) Perylene-d12	15.39	264	220923	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	605394	98.78	ng	0.01
7) Phenol-d6	6.48	99	894548	120.44	ng	0.00
23) Nitrobenzene-d5	7.40	82	485857	66.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	178928	93.84	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	800722	68.59	ng	-0.01
78) Terphenyl-d14	12.94	244	569971	60.75	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.15	128	59825	2.85	ng	98
49) Dimethylphthalate	9.60	163	292463	22.36	ng	98
51) Acenaphthene	9.91	154	58735	5.07	ng	97
54) Dibenzofuran	10.08	168	49933	3.13	ng	99
70) Phenanthrene	11.38	178	592937	40.21	ng	99
71) Anthracene	11.43	178	173975	11.70	ng	97
72) Carbazole	11.58	167	69987	5.03	ng	98
74) Fluoranthene	12.56	202	607965	39.07	ng	97
77) Pyrene	12.79	202	553519	34.94	ng	99
80) Benzo(a)anthracene	13.97	228	324268	26.65	ng	98
82) Chrysene	14.01	228	246320	21.52	ng	97
83) Bis(2-ethylhexyl)phthalate	13.98	149	20885	2.45	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.77	276	139251	13.09	ng	# 100
87) Benzo(b)fluoranthene	14.99	252	341614m	22.19	ng	
88) Benzo(k)fluoranthene	15.01	252	142249m	12.25	ng	
89) Benzo(a)pyrene	15.34	252	248026	19.91	ng	98
90) Dibenzo(a,h)anthracene	16.78	278	39376m	3.40	ng	
91) Benzo(g,h,i)perylene	17.19	276	130261	10.94	ng	96

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

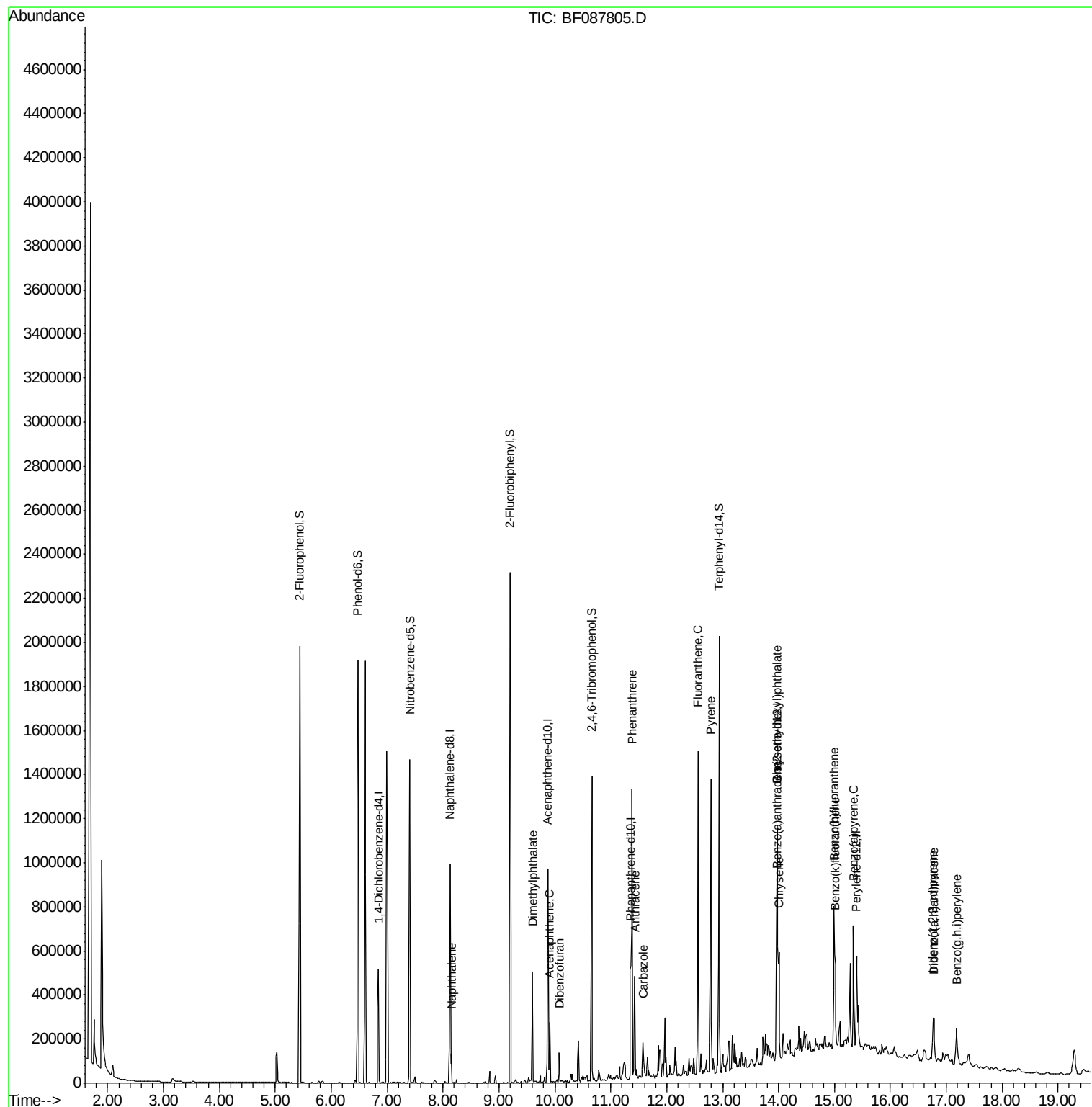
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060716\
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Acq On : 8 Jun 2016 00:46
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#1

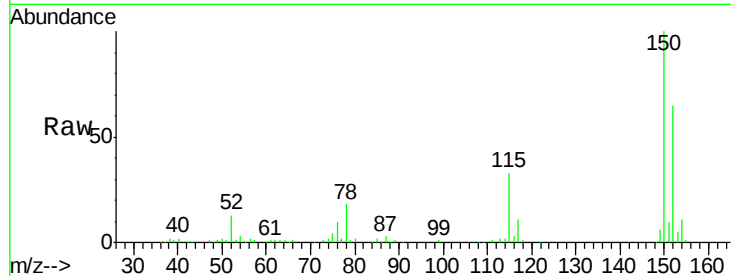
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.00 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Instrument :
BNA_F
ClientSampleId :
SS-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.8	185.6
115	50.1	39.6	59.4

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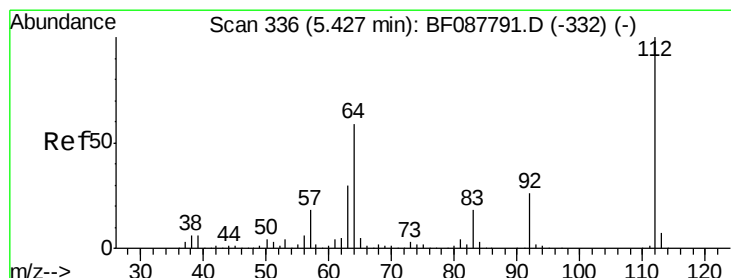
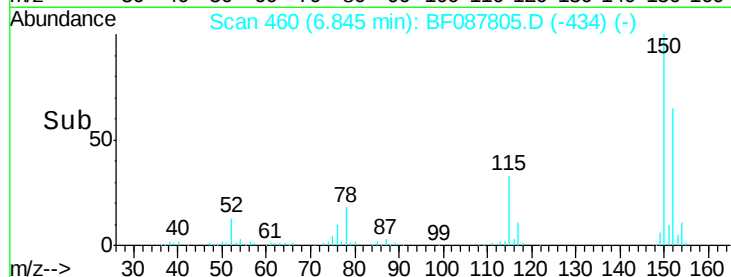
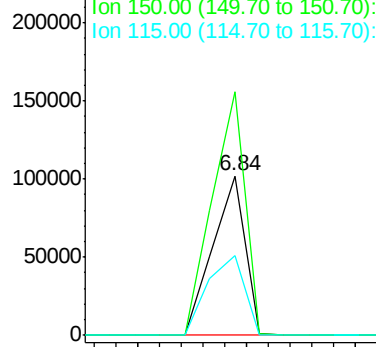


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

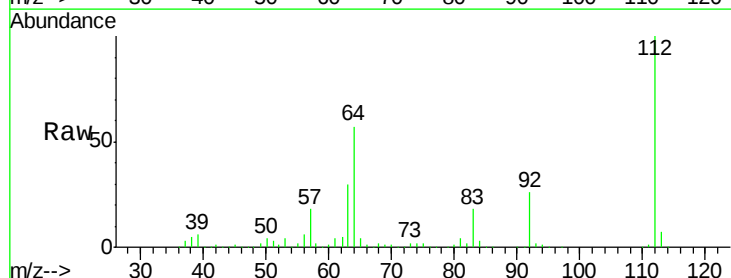
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.78 ng
RT: 5.44 min Scan# 337
Delta R.T. 0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	42.2	63.2
63	29.6	21.8	32.8

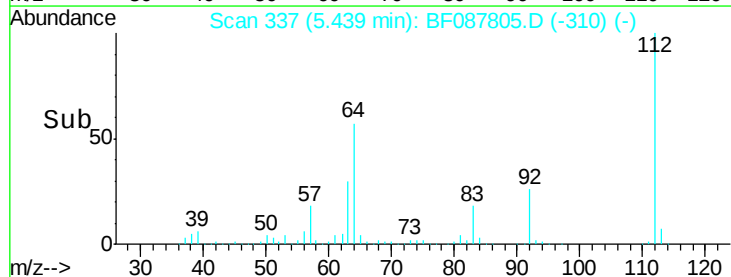
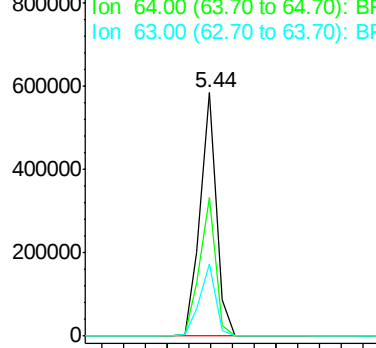


Abundance

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: 120.44 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Instrument :

BNA_F

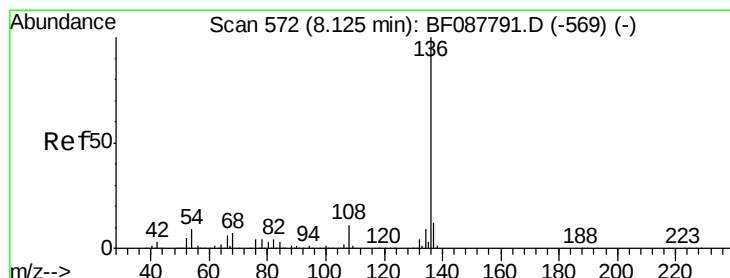
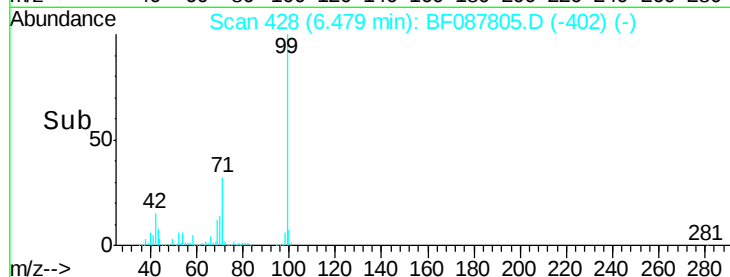
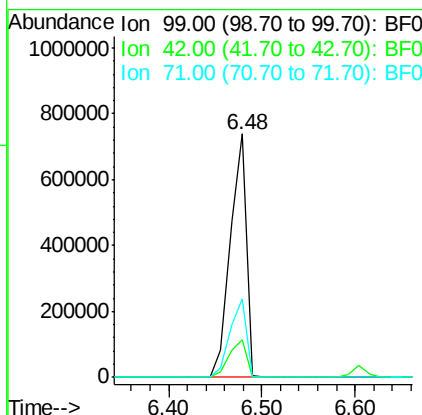
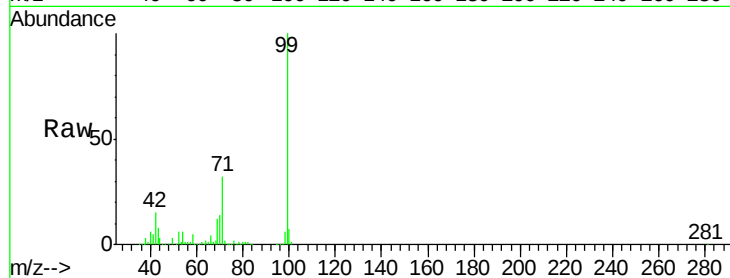
ClientSampleId :

SS-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		894548		
42	15.2	12.2	18.2		
71	32.0	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

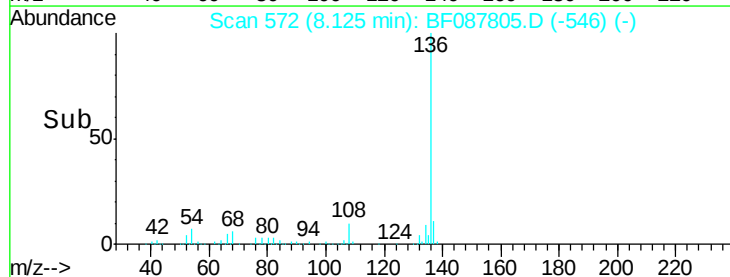
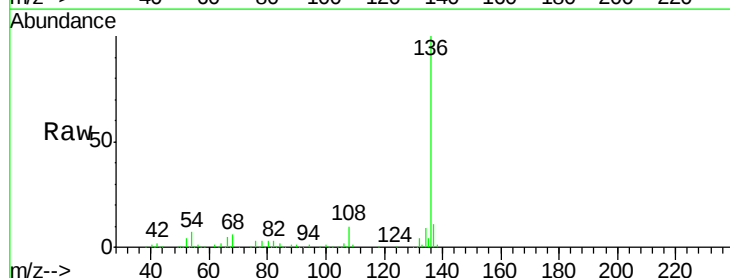
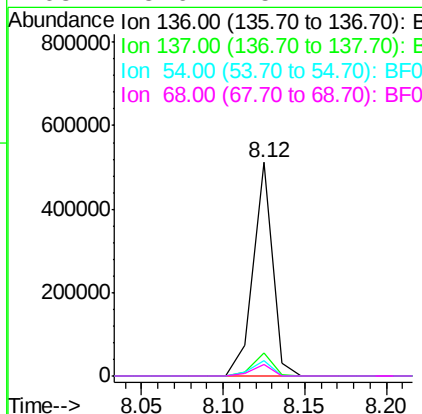
RT: 8.12 min Scan# 572

Delta R.T. -0.00 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		424865		
137	11.0	9.1	13.7		
54	6.9	6.6	10.0		
68	5.6	5.1	7.7		





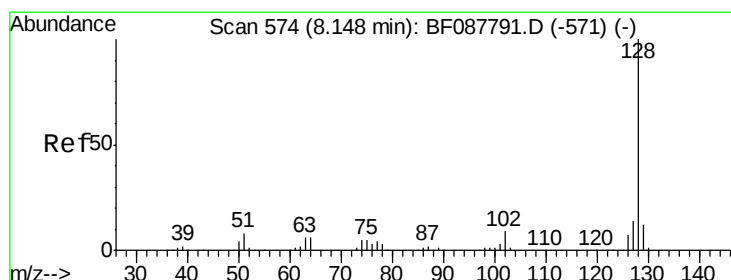
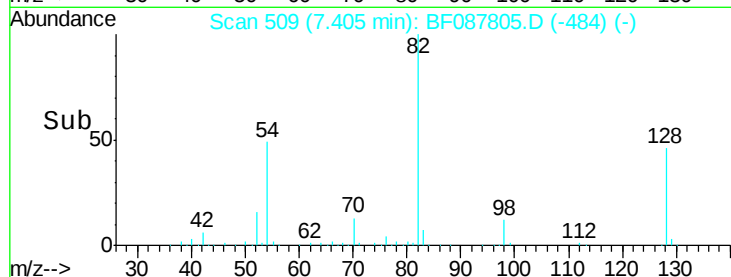
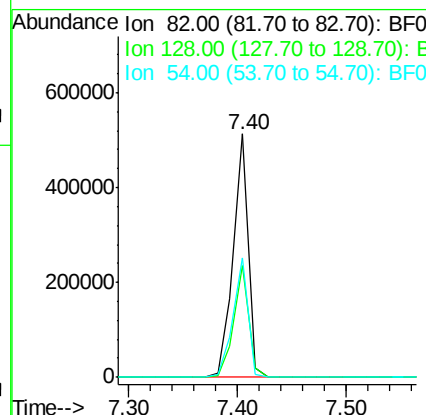
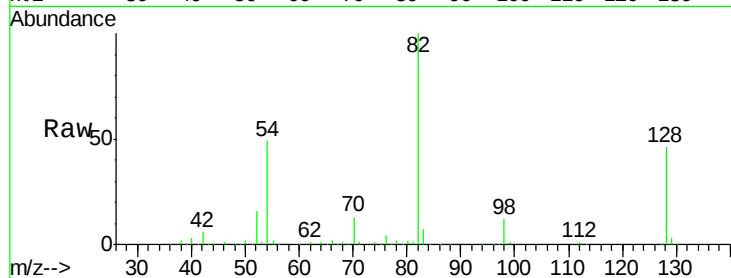
#23
Nitrobenzene-d5
Concen: 66.78 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Instrument :
BNA_F
ClientSampled :
SS-11

Tot Ion	Ratio	Resp	Lower	Upper
82	100	485857		
128	46.2		35.9	53.9
54	49.3		40.9	61.3

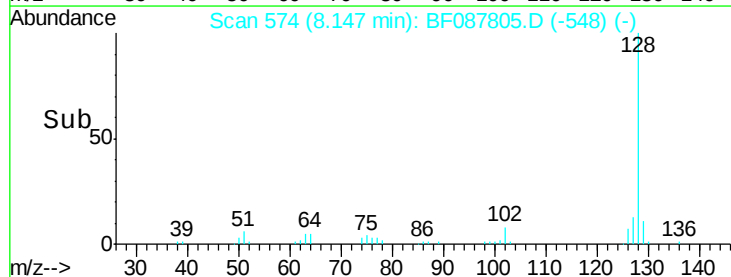
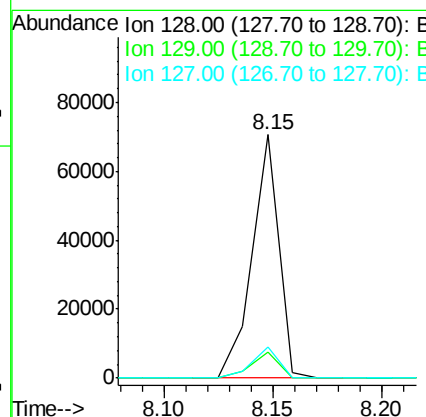
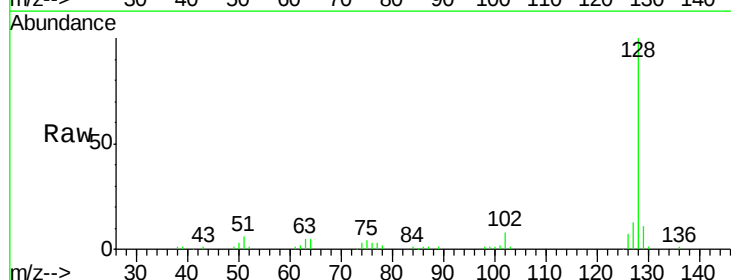
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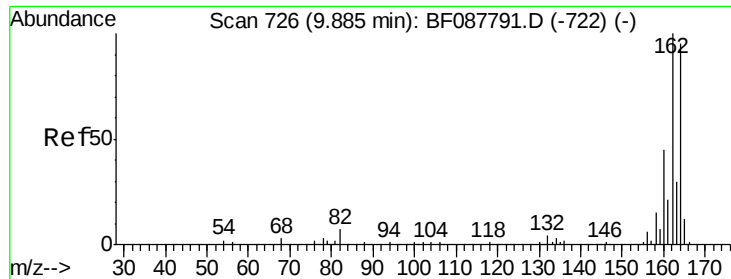
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#31
Naphthalene
Concen: 2.85 ng
RT: 8.15 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	59825		
129	10.7		9.4	14.2
127	13.0		10.9	16.3





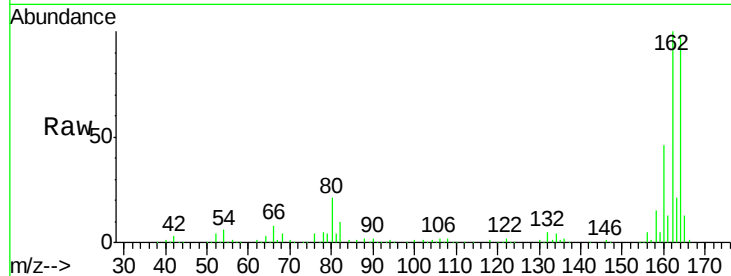
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Instrument :
BNA_F
ClientSampleId :
SS-11

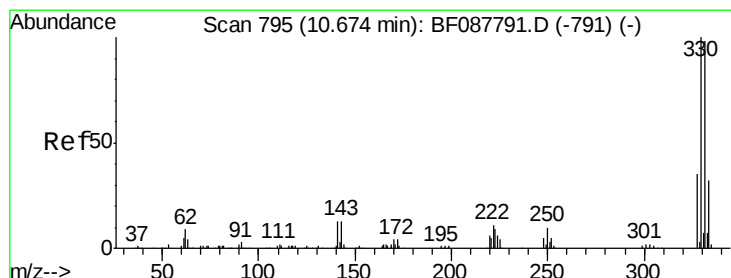
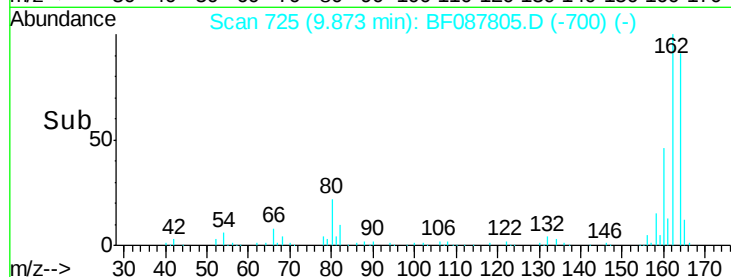
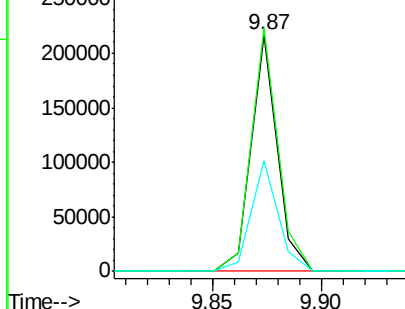
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	85.4	128.2	
160	47.0	39.5	59.3	

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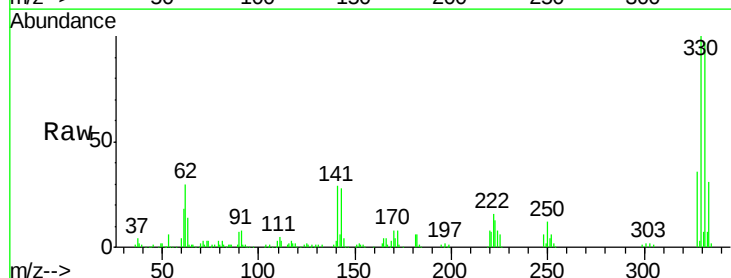


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

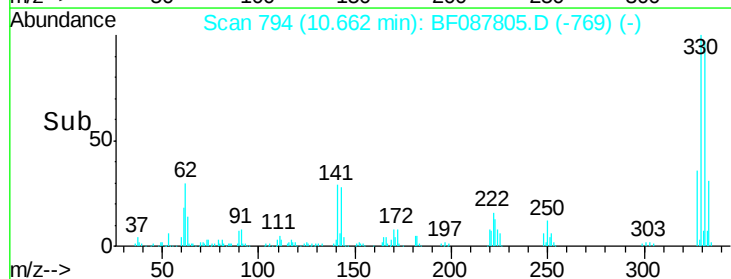
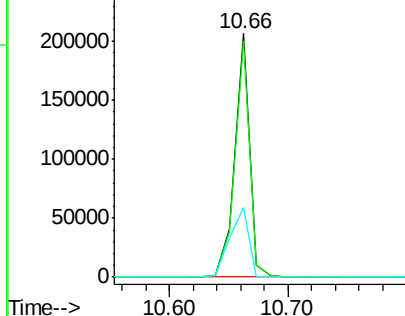


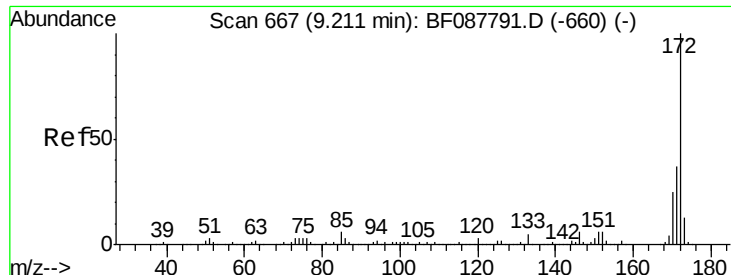
#41
2,4,6-Tribromophenol
Concen: 93.84 ng
RT: 10.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	0.0	0.0#	
141	37.0	0.0	0.0#	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





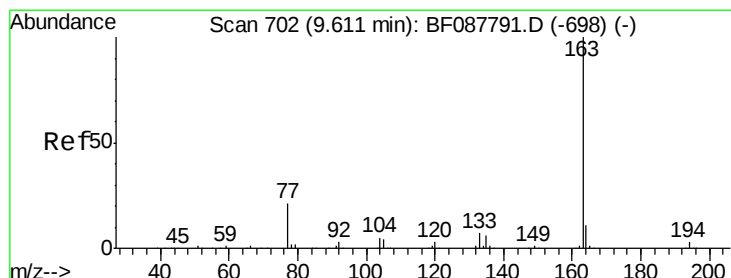
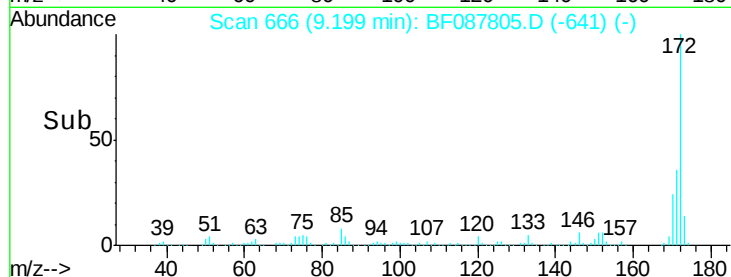
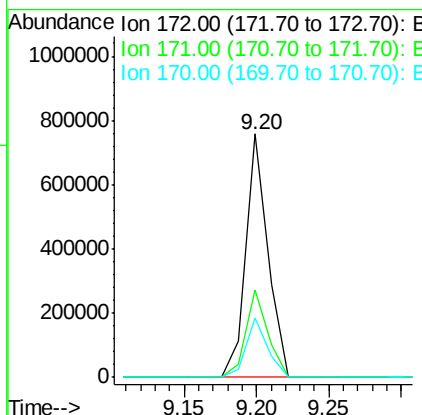
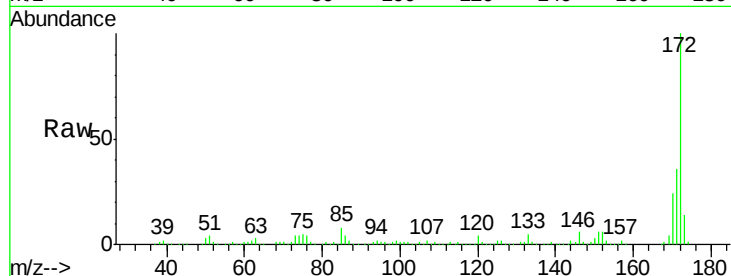
#44
2-Fluorobiphenyl
Concen: 68.59 ng
RT: 9.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Instrument :
BNA_F
ClientSampled :
SS-11

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.2	19.2	28.8

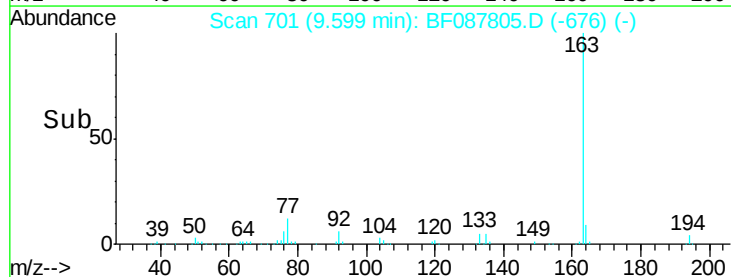
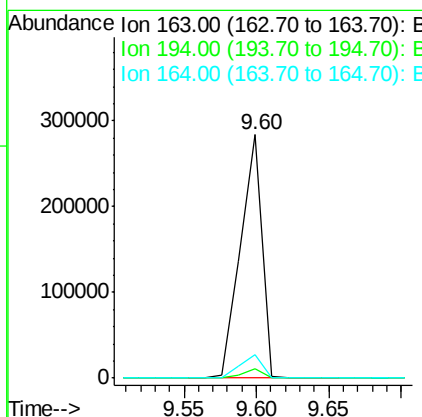
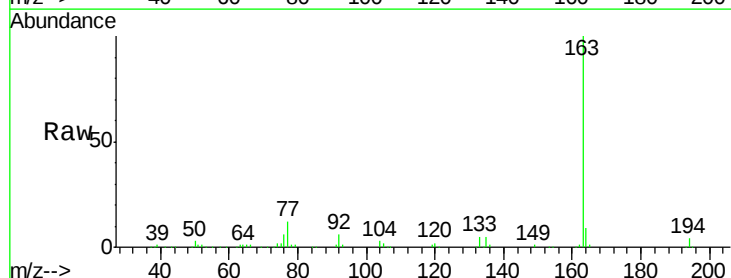
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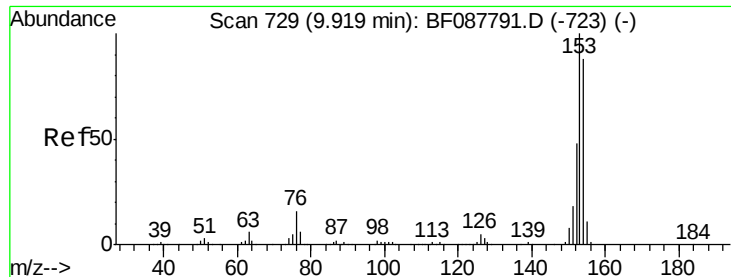
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#49
Dimethylphthalate
Concen: 22.36 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	9.5	8.3	12.5





#51

Acenaphthene

Concen: 5.07 ng

RT: 9.91 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Instrument :

BNA_F

ClientSampled :

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Tot Ion:154 Resp: 58735

Ion Ratio Lower Upper

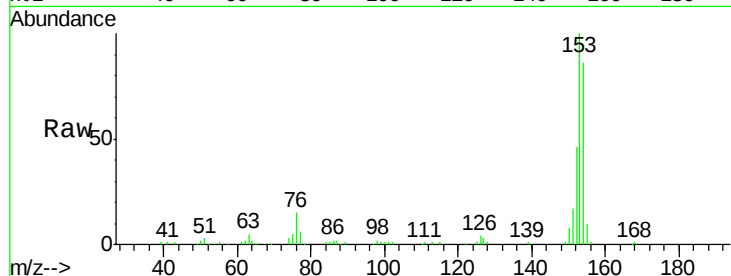
154 100

153 115.9 89.5 134.3

152 53.3 42.7 64.1

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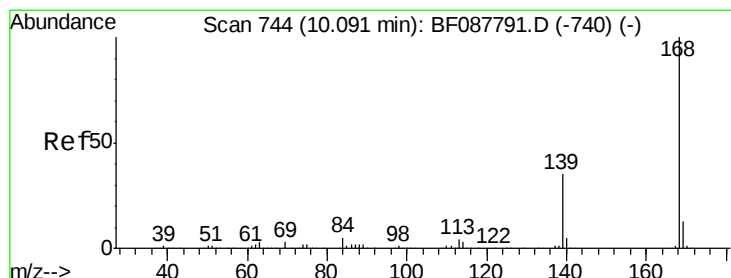
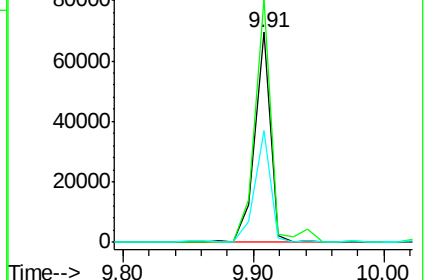
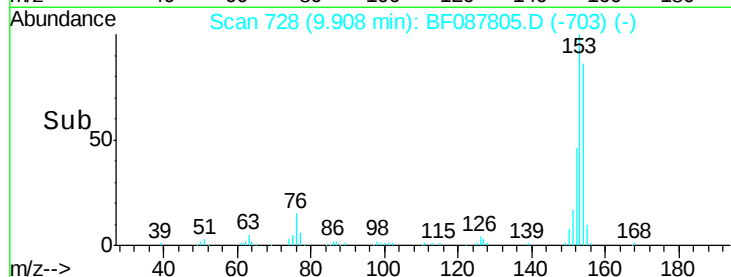
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.13 ng

RT: 10.08 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

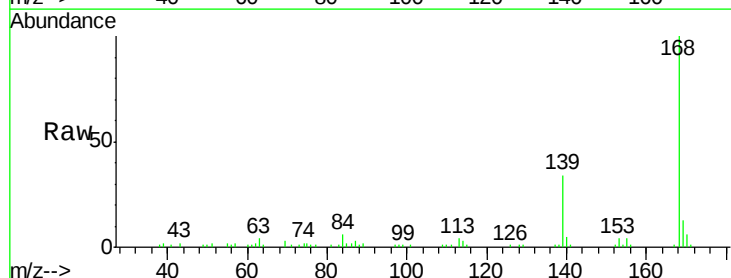
Tgt Ion:168 Resp: 49933

Ion Ratio Lower Upper

168 100

139 33.5 26.4 39.6

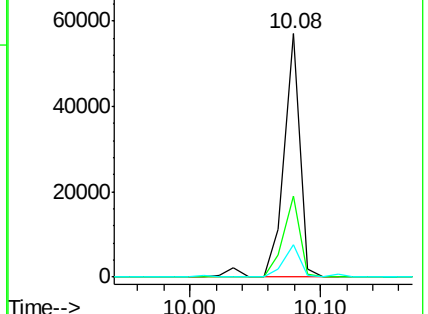
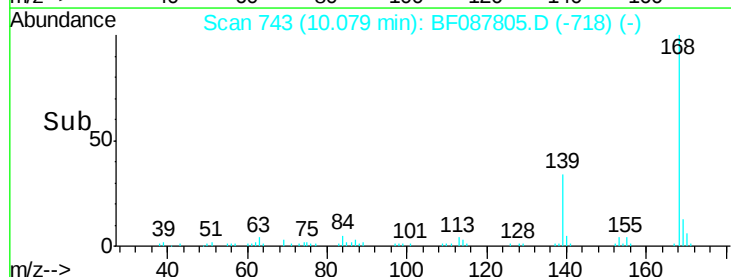
169 13.5 10.4 15.6

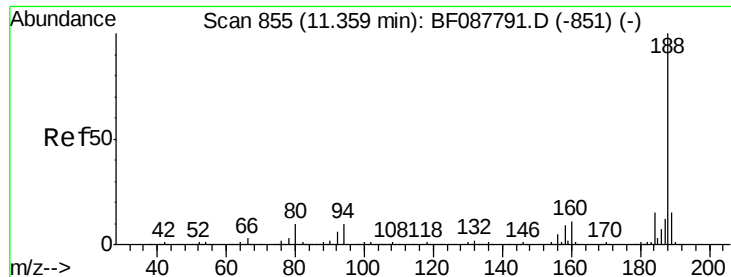


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Instrument :

BNA_F

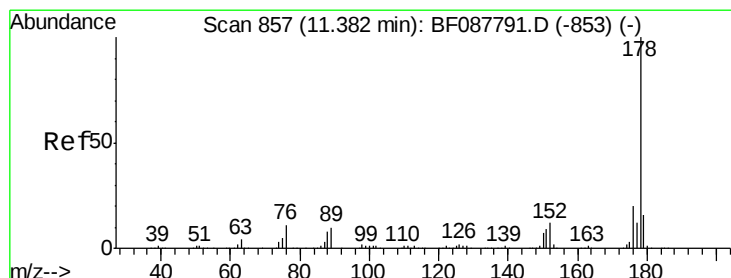
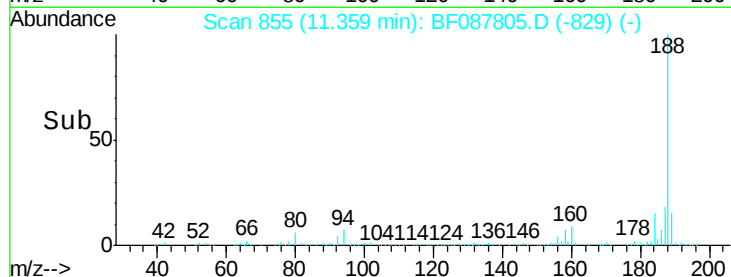
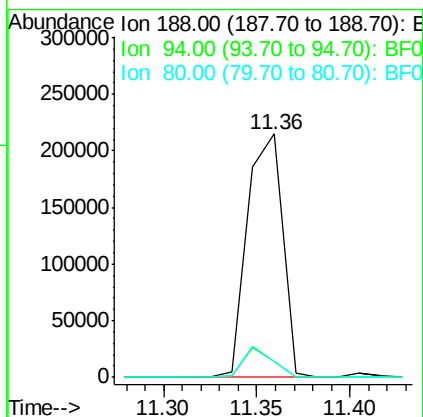
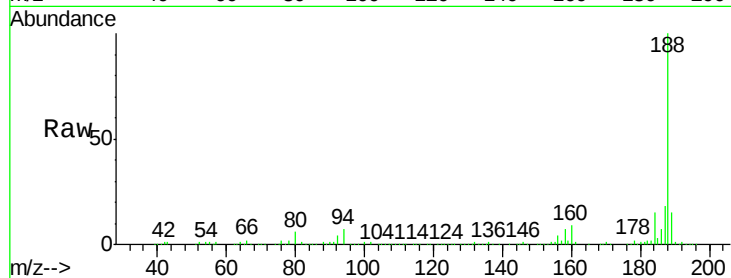
ClientSampled :

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Tot Ion:	188	Resp:	281003
Ion Ratio	Lower	Upper	
188	100		
94	6.6	9.0	13.6#
80	6.5	10.0	15.0#

Manual Integrations
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#70

Phenanthrene

Concen: 40.21 ng

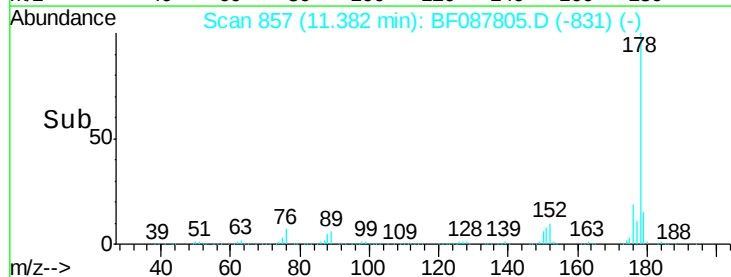
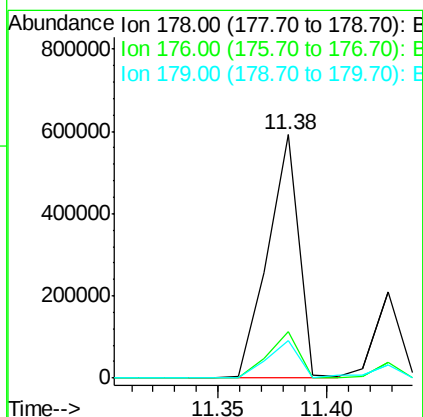
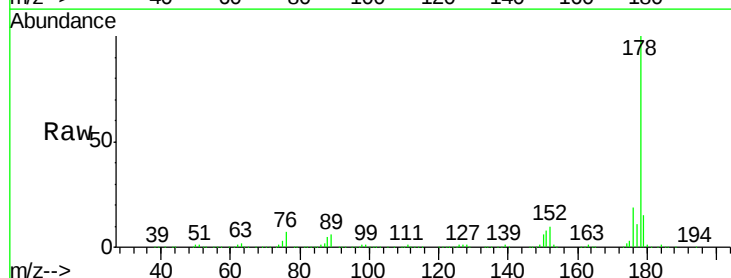
RT: 11.38 min Scan# 857

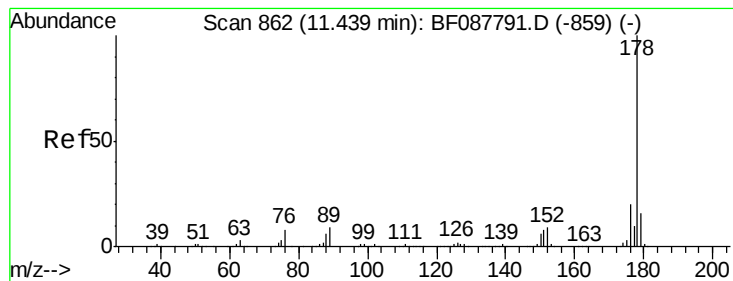
Delta R.T. -0.00 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Tgt Ion:	178	Resp:	592937
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.6
179	15.4	13.0	19.4





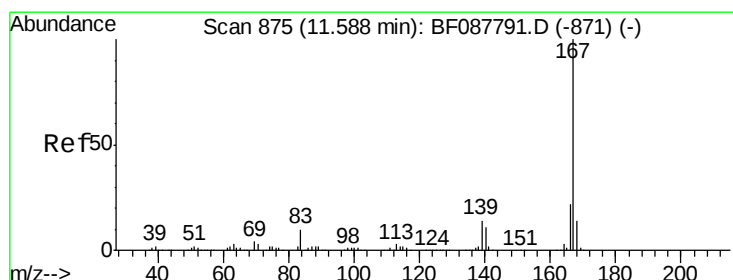
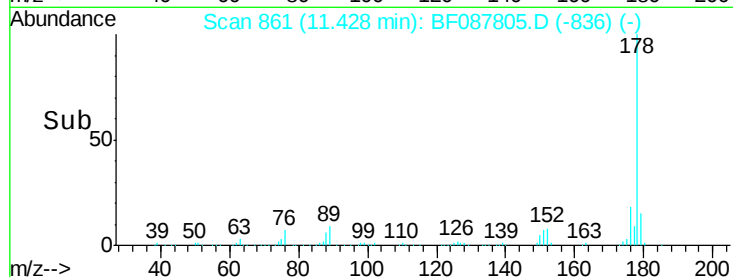
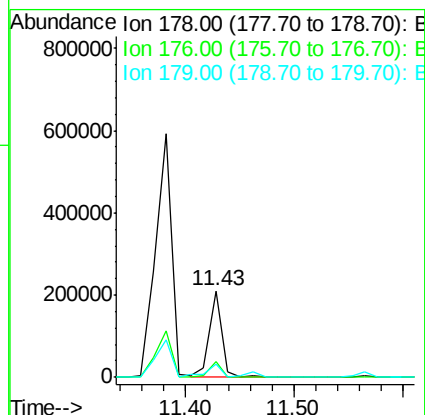
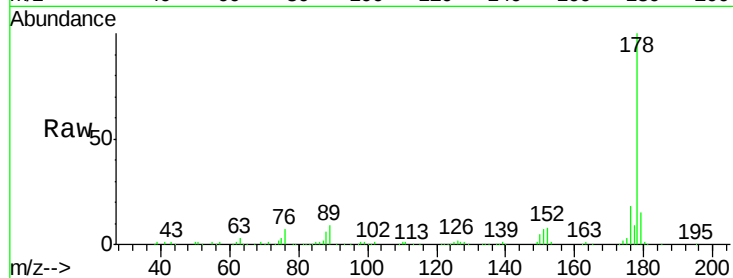
#71
 Anthracene
 Concen: 11.70 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087805.D
 Acq: 8 Jun 2016 00:46

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	15.4	12.8	19.2

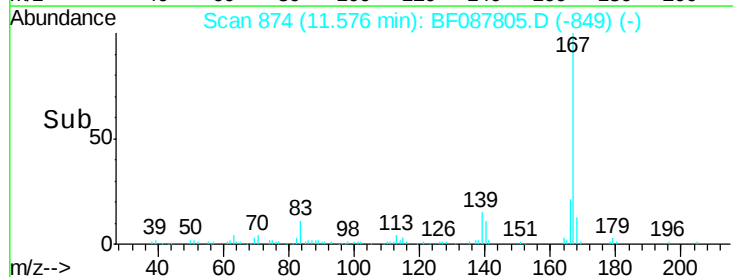
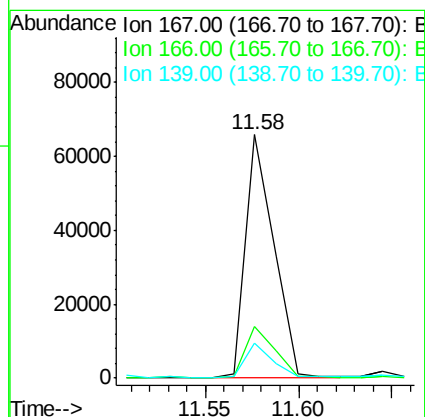
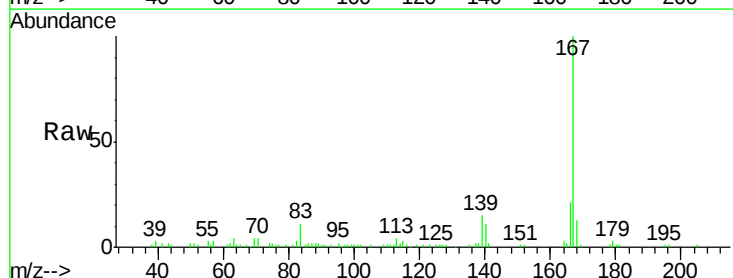
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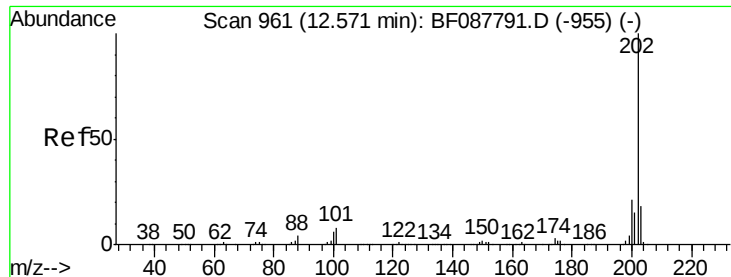
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#72
 Carbazole
 Concen: 5.03 ng
 RT: 11.58 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF087805.D
 Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.8	26.6
139	14.5	11.2	16.8





#74

Fluoranthene

Concen: 39.07 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Instrument :

BNA_F

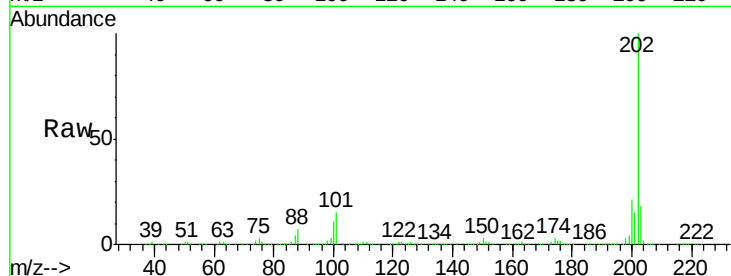
ClientSampleId :

SS-11

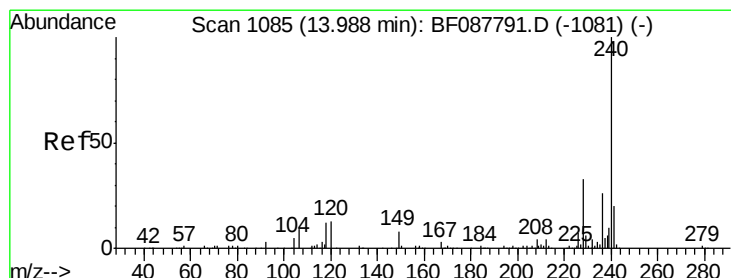
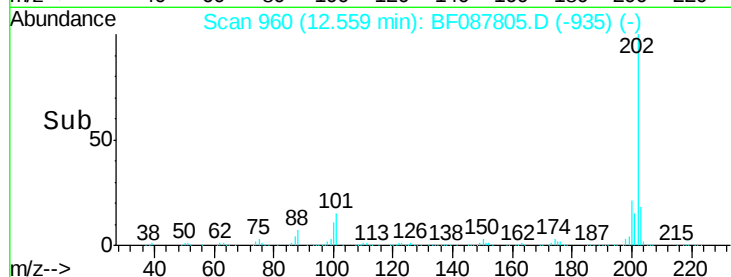
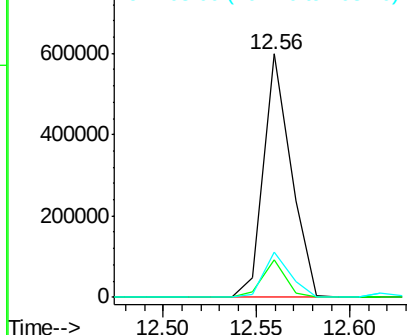
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		607965		
101	15.4	0.0	33.1		
203	18.4	0.0	38.1		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

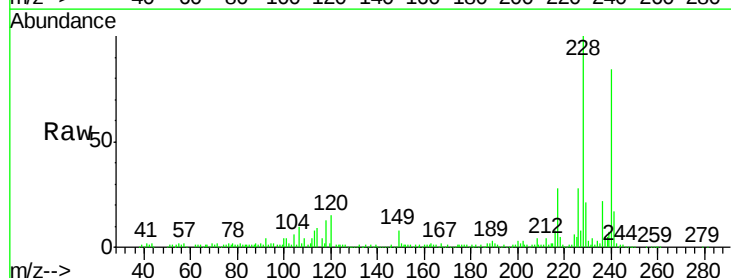
RT: 13.98 min Scan# 1084

Delta R.T. -0.01 min

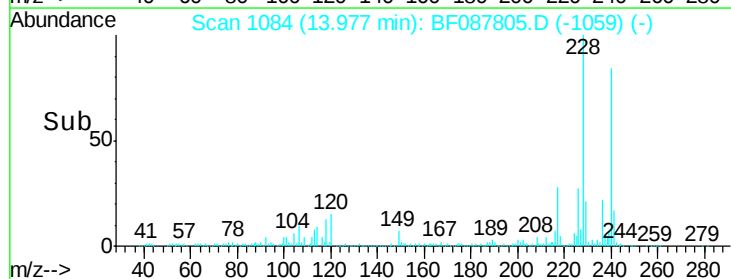
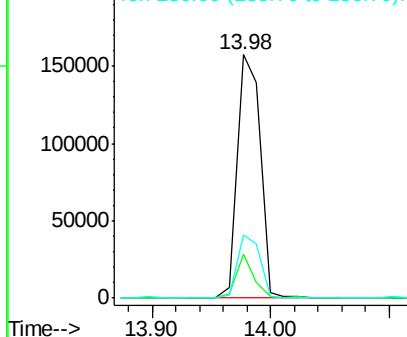
Lab File: BF087805.D

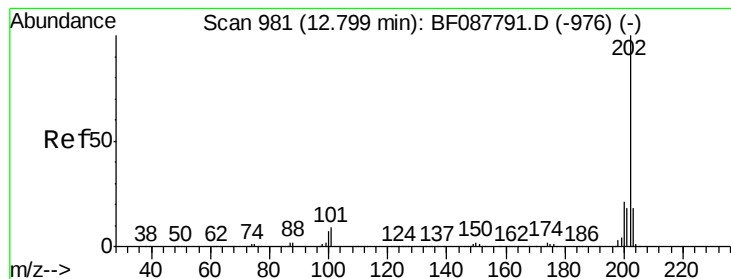
Acq: 8 Jun 2016 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		213498		
120	17.9	6.8	10.2#		
236	25.9	20.2	30.2		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 34.94 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Instrument :

BNA_F

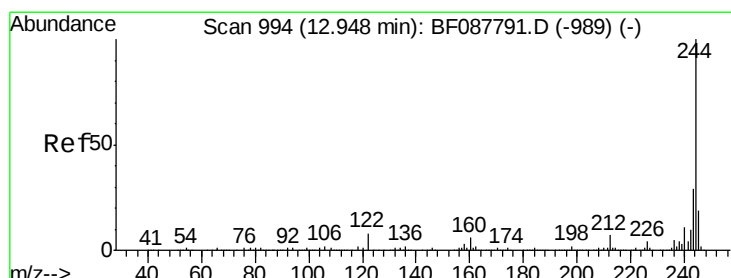
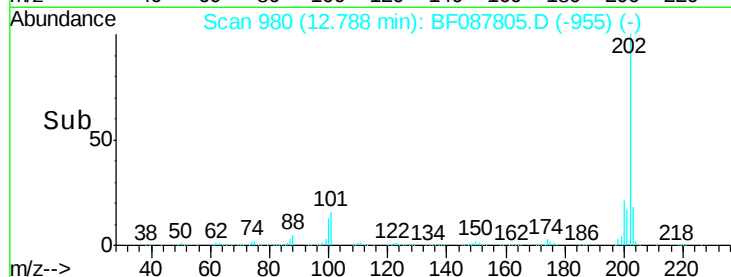
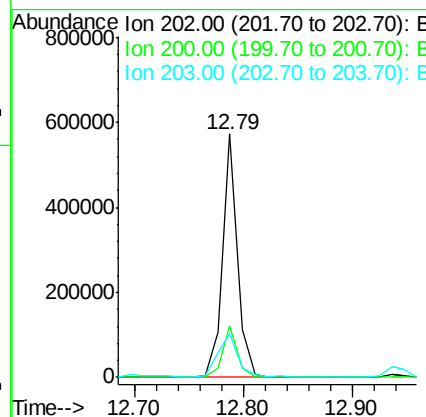
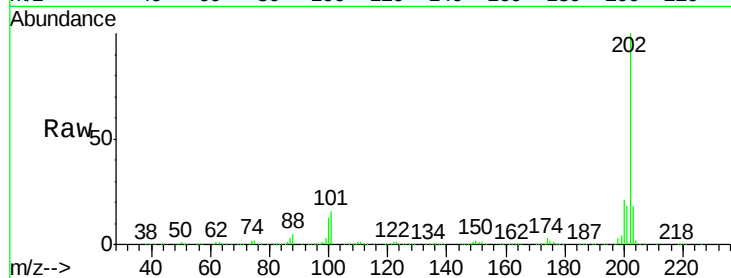
ClientSampled :

SS-11

Tot Ion:	202	Resp:	553519
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.3	14.5	21.7

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#78

Terphenyl-d14

Concen: 60.75 ng

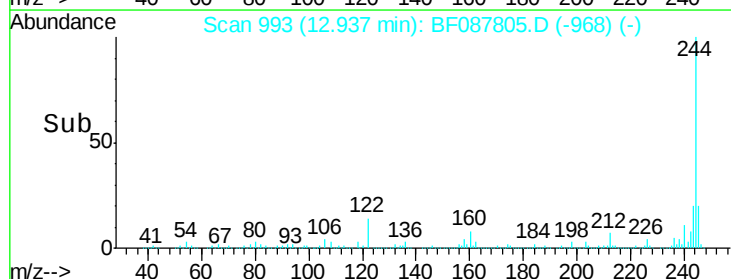
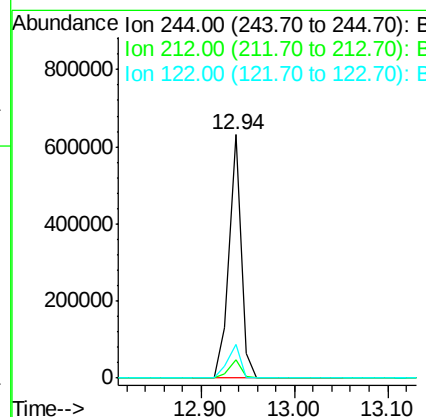
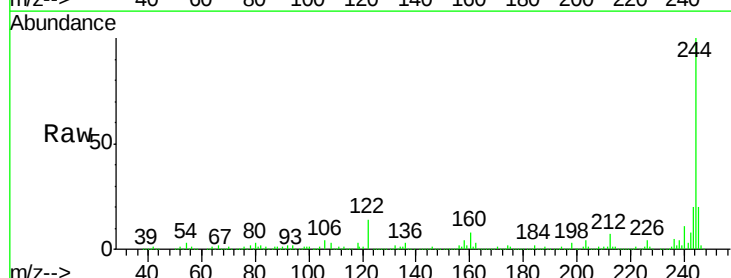
RT: 12.94 min Scan# 993

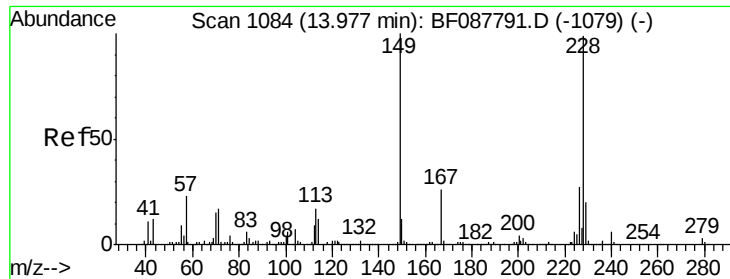
Delta R.T. -0.01 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Tgt Ion:	244	Resp:	569971
Ion Ratio		Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.6	11.2	16.8





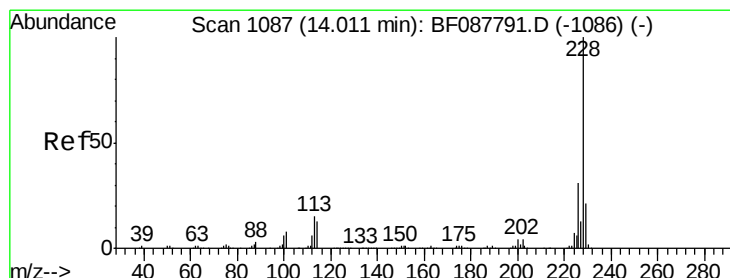
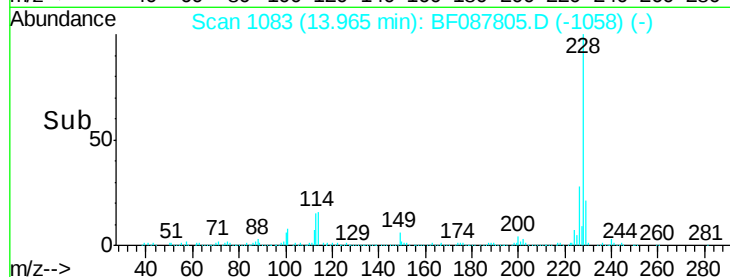
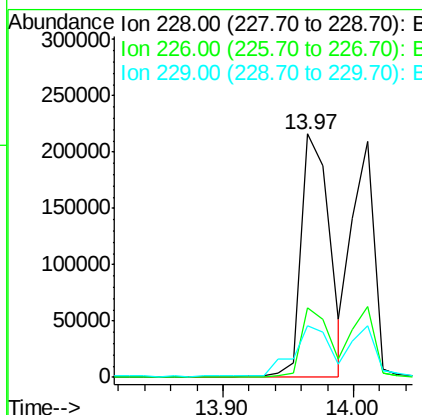
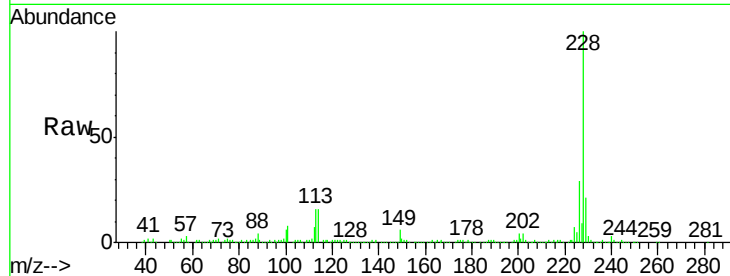
#80
Benzo(a)anthracene
Concen: 26.65 ng
RT: 13.97 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Instrument :
BNA_F
ClientSampled :
SS-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	21.4	16.0	24.0

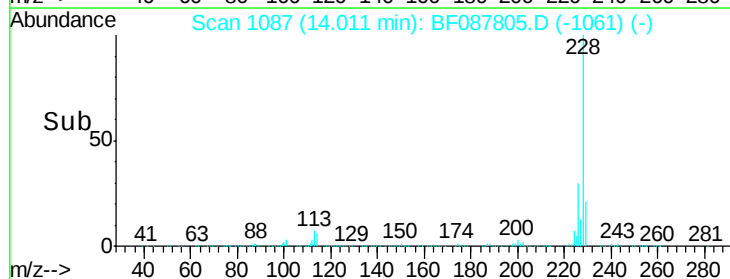
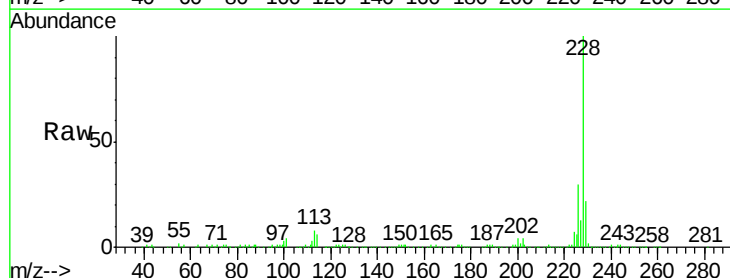
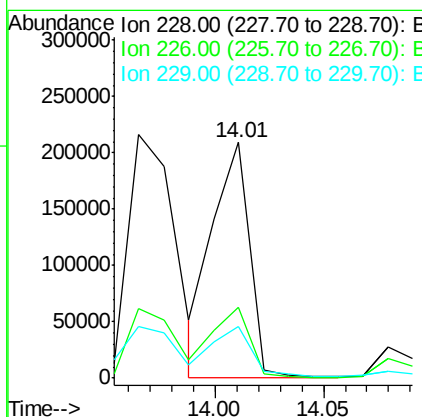
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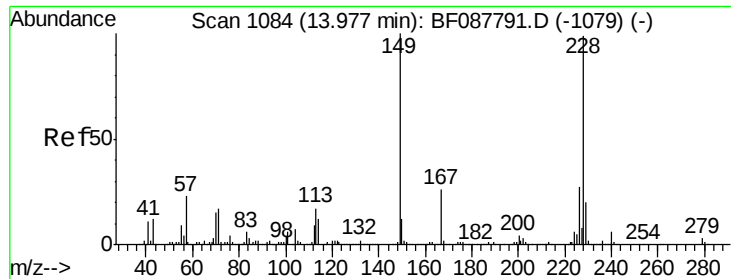
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#82
Chrysene
Concen: 21.52 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	21.8	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.45 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Instrument :

BNA_F

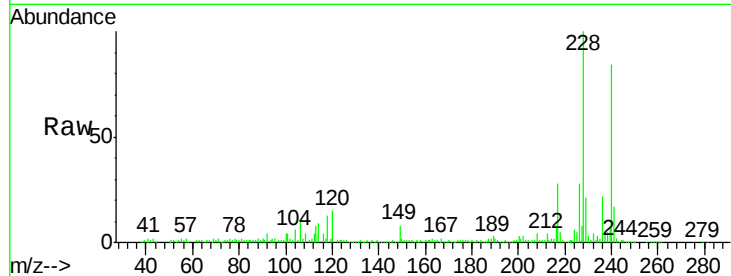
ClientSampleId :

SS-11

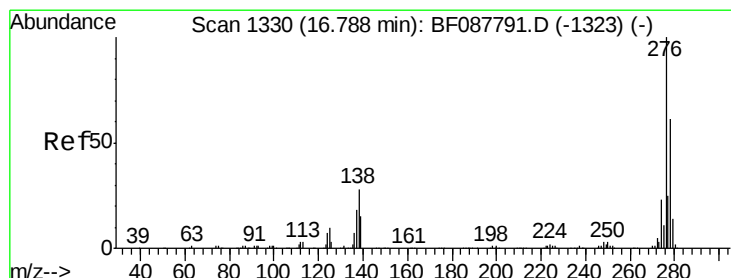
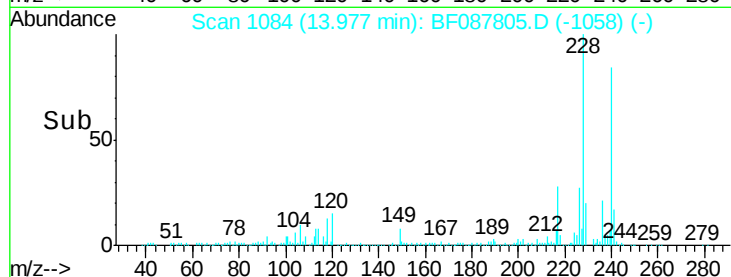
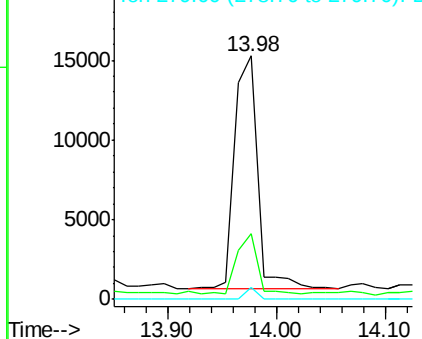
Tot Ion:	149	Resp:	20885
Ion Ratio	Lower	Upper	
149	100		
167	27.0	20.5	30.7
279	4.9	2.0	3.0#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.09 ng

RT: 16.77 min Scan# 1328

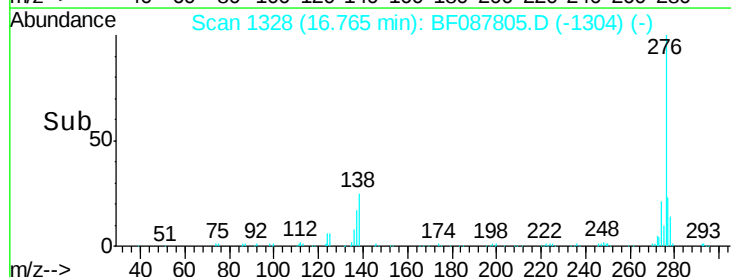
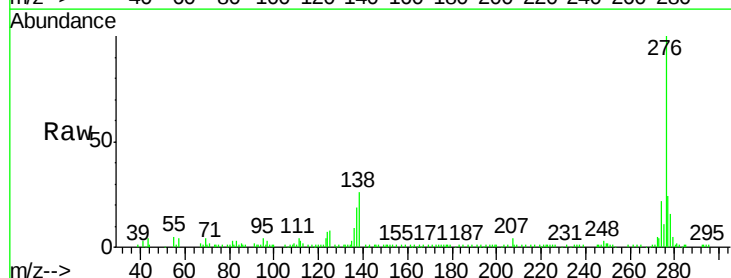
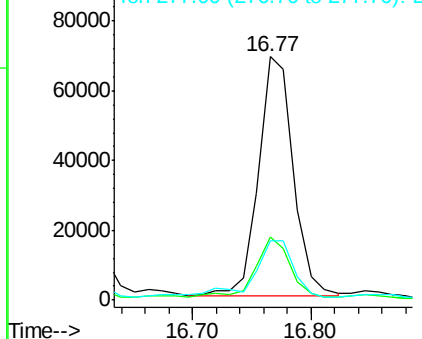
Delta R.T. -0.02 min

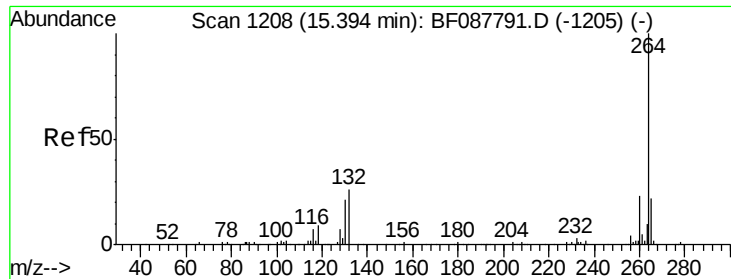
Lab File: BF087805.D

Acq: 8 Jun 2016 00:46

Tgt Ion:	276	Resp:	139251
Ion Ratio	Lower	Upper	
276	100		
138	25.5	0.0	0.0#
277	28.6	0.0	0.0#

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





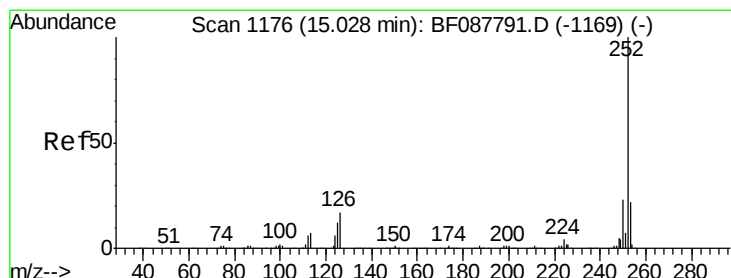
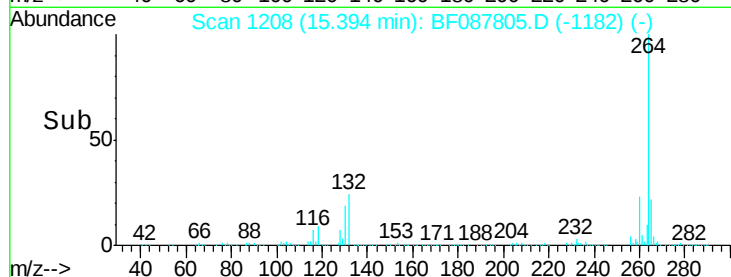
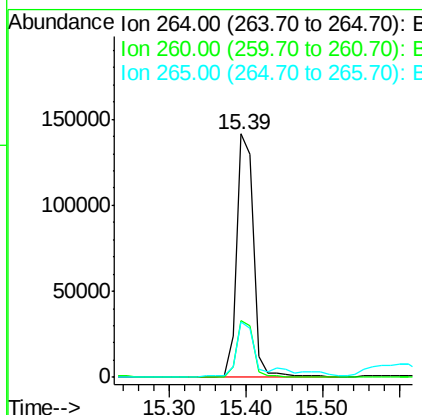
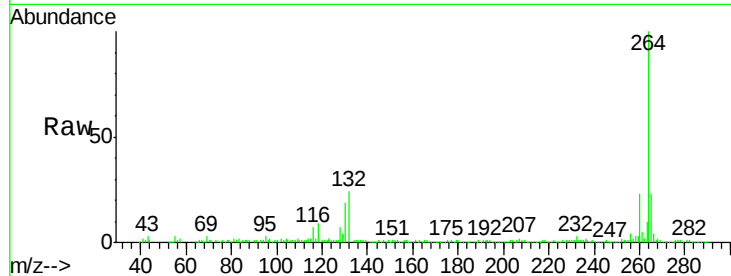
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Instrument :
BNA_F
ClientSampled :
SS-11

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.6	16.9	25.3

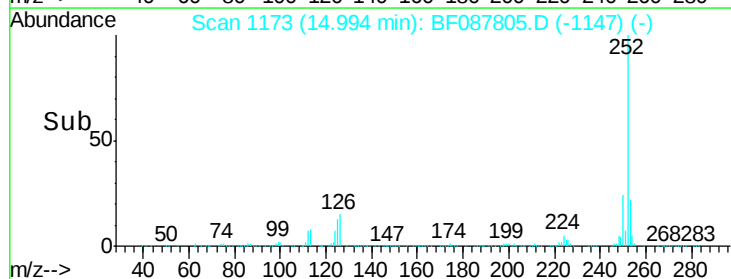
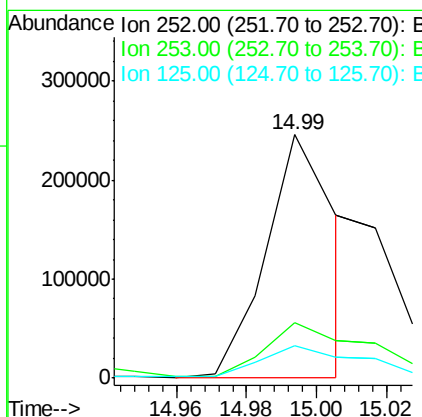
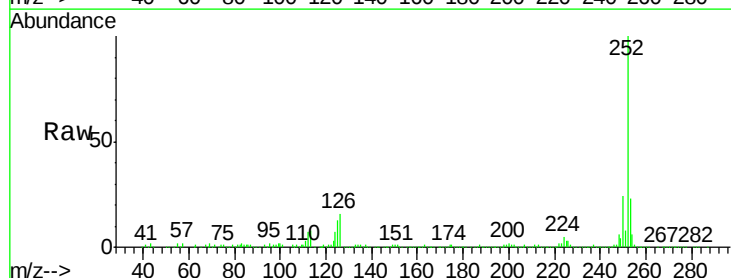
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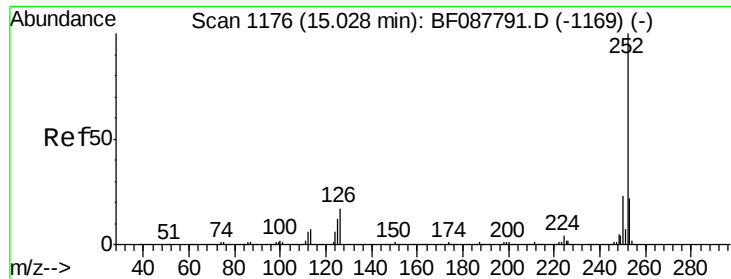
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#87
Benzo(b)fluoranthene
Concen: 22.19 ng m
RT: 14.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	13.4	7.1	10.7#





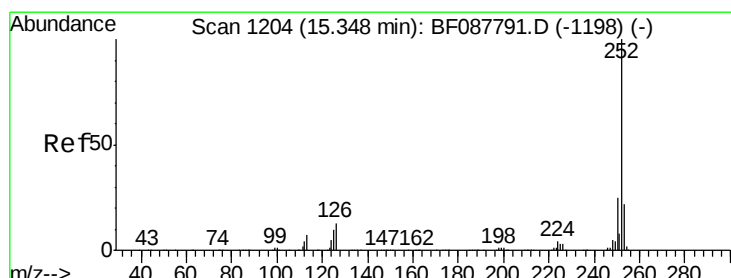
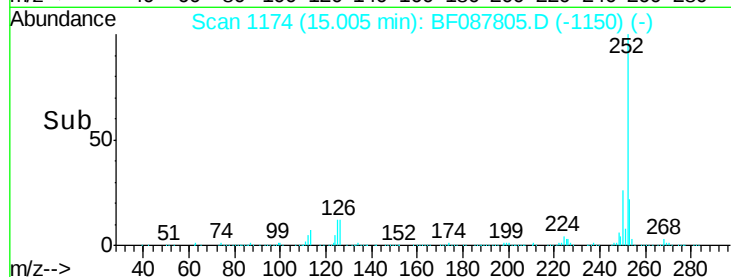
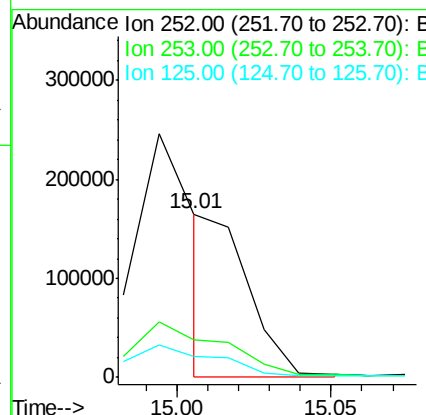
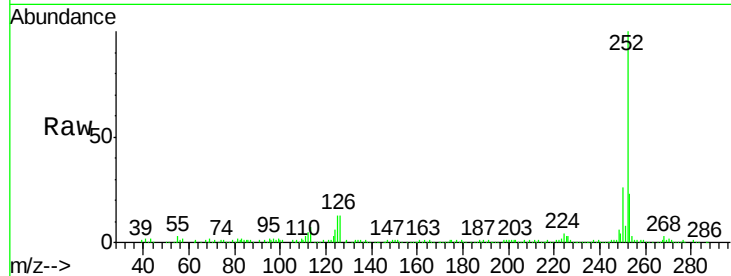
#88
Benzo(k)fluoranthene
Concen: 12.25 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Instrument :
BNA_F
ClientSampleId :
SS-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.9	11.2	16.8

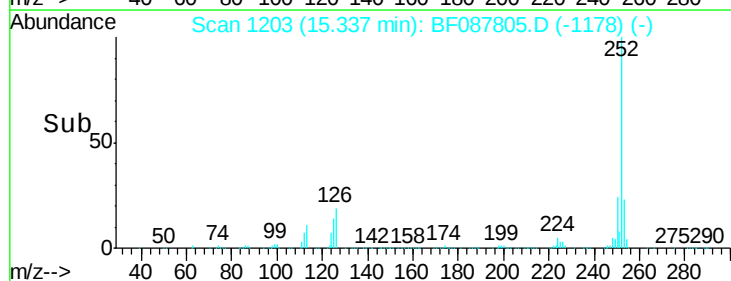
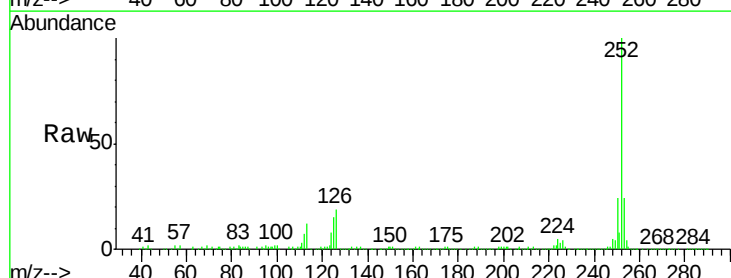
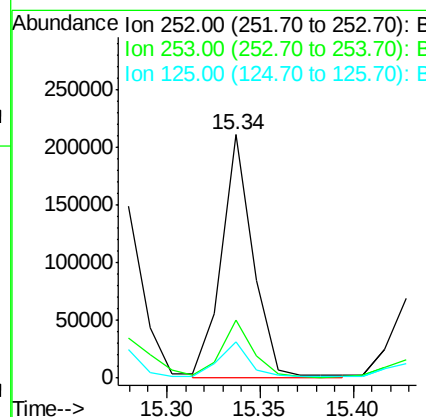
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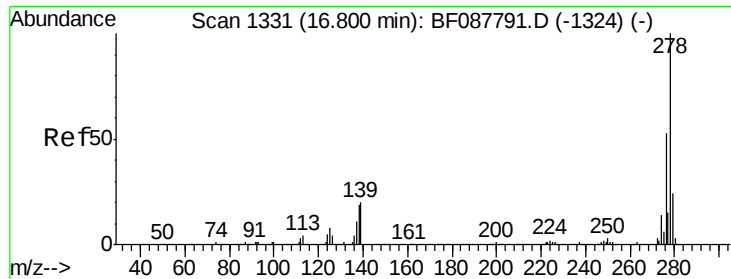
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#89
Benzo(a)pyrene
Concen: 19.91 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	14.9	12.5	18.7





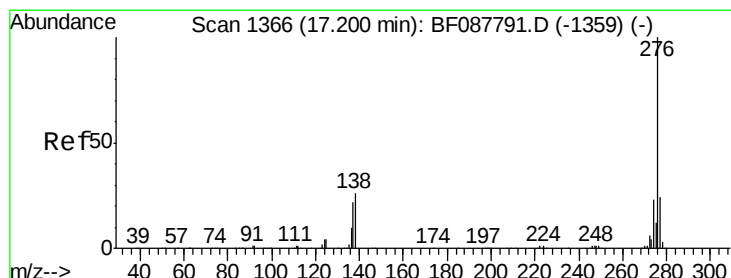
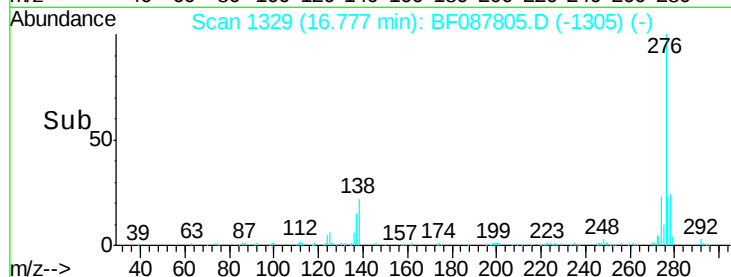
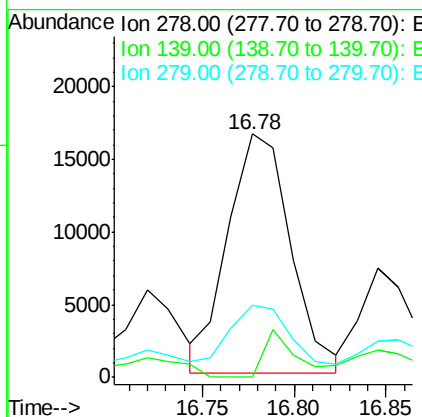
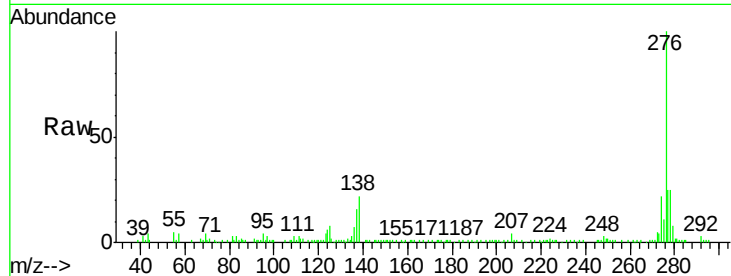
#90
Dibenzo(a,h)anthracene
Concen: 3.40 ng m
RT: 16.78 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Instrument :
BNA_F
ClientSampleId :
SS-11

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	29.7	19.4	29.2#

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#91
Benzo(g,h,i)perylene
Concen: 10.94 ng
RT: 17.19 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF087805.D
Acq: 8 Jun 2016 00:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	23.0	21.4	32.2

