

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078966.D
 Acq On : 6 May 2015 17:59
 Operator : TP/IZ
 Sample : G2114-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5(0-6)

Manual Integrations
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Quant Time: May 07 02:06:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	77500	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	320099	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	151401	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	301299	20.00	ng	0.00
75) Chrysene-d12	16.26	240	329213	20.00	ng	-0.05
86) Perylene-d12	18.08	264	358959	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	192289	42.71	ng	0.01
7) Phenol-d6	6.90	99	258344	43.41	ng	0.01
23) Nitrobenzene-d5	8.03	82	139042	24.96	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	68295	41.70	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	277677	25.55	ng	0.00
78) Terphenyl-d14	14.95	244	341836	24.86	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.95	128	34463	2.26	ng	99
48) Acenaphthylene	10.92	152	46001	2.98	ng	97
51) Acenaphthene	11.14	154	37865	4.12	ng	99
54) Dibenzofuran	11.36	168	38800	2.92	ng	99
57) Fluorene	11.78	166	56353	5.17	ng	99
70) Phenanthrene	12.98	178	871267	51.69	ng	100
71) Anthracene	13.04	178	185615	11.22	ng	99
72) Carbazole	13.25	167	57358	3.64	ng	99
74) Fluoranthene	14.47	202	985820	56.13	ng	93
77) Pyrene	14.74	202	991810m	52.28	ng	
80) Benzo(a)anthracene	16.25	228	532429	29.53	ng	96
82) Chrysene	16.30	228	455108	26.25	ng	98
85) Indeno(1,2,3-cd)pyrene	19.59	276	264668m	11.98	ng	
87) Benzo(b)fluoranthene	17.61	252	592730	30.17	ng	98
88) Benzo(k)fluoranthene	17.65	252	137659m	7.24	ng	
89) Benzo(a)pyrene	18.01	252	419375	23.18	ng	# 93
90) Dibenzo(a,h)anthracene	19.61	278	65003	3.38	ng	93
91) Benzo(g,h,i)perylene	20.05	276	263232	13.66	ng	98

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

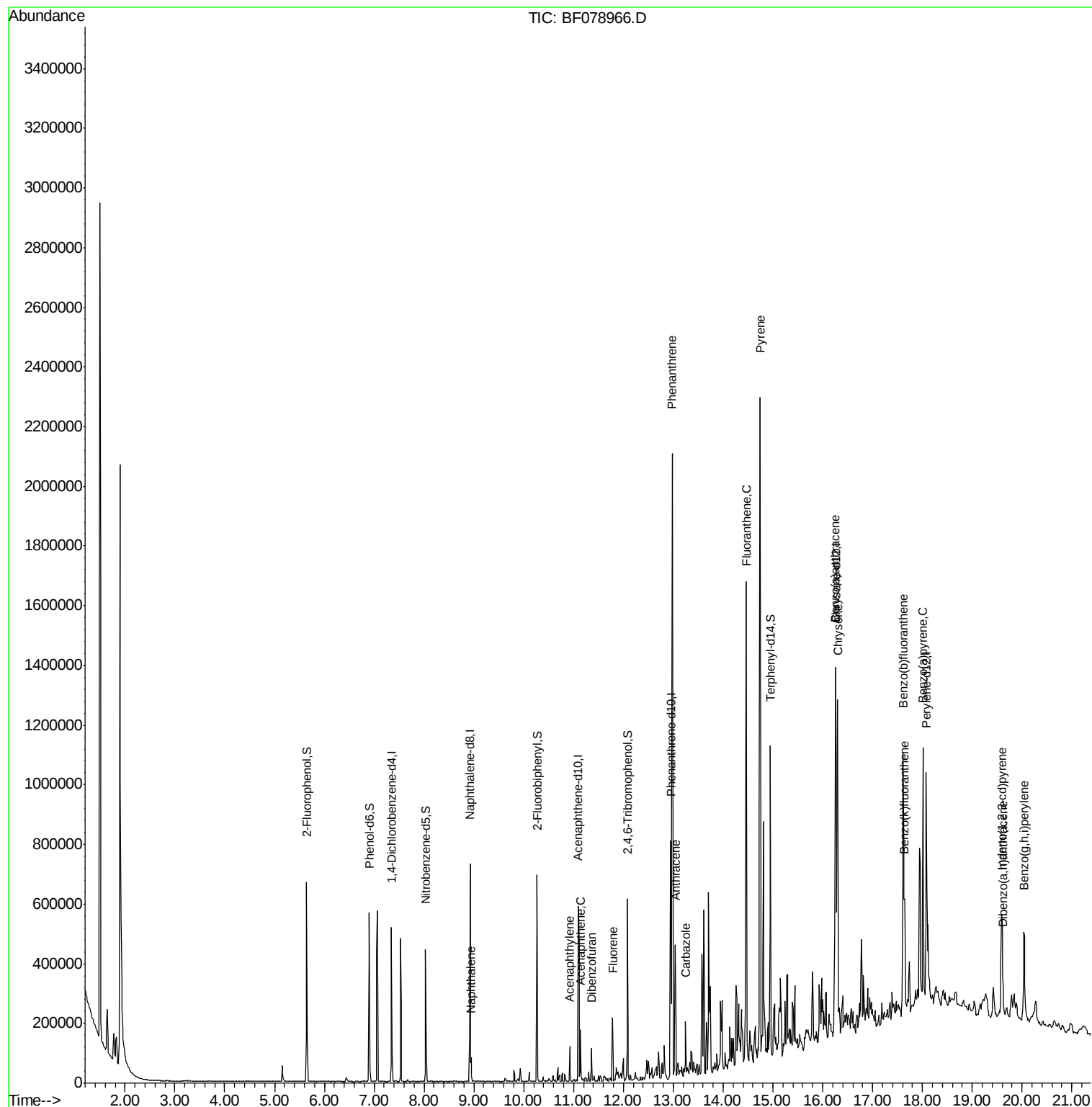
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078966.D
Acq On : 6 May 2015 17:59
Operator : TP/IZ
Sample : G2114-13 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampled :
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Quant Time: May 07 02:06:30 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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#1

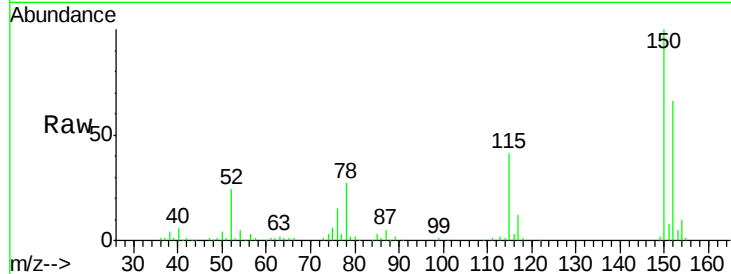
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

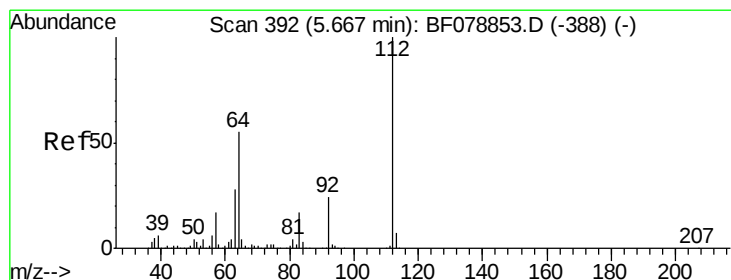
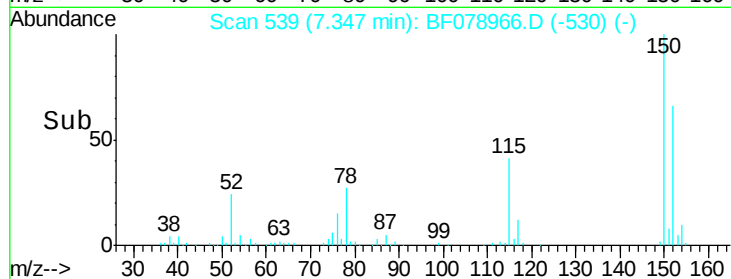
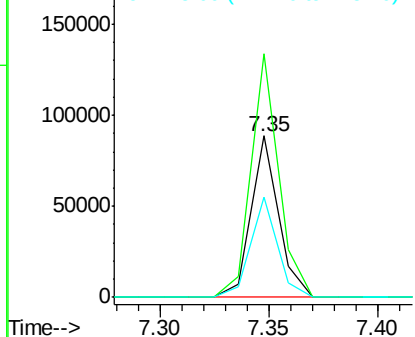
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	122.0	183.0
115	61.8	46.3	69.5

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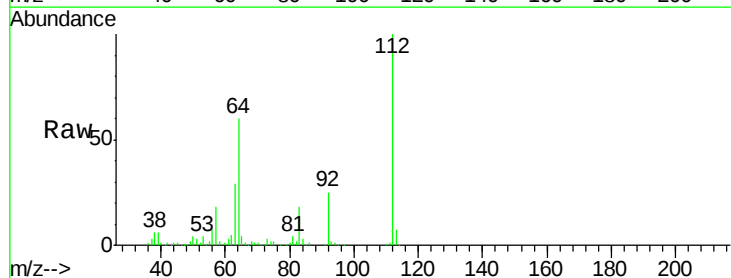
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



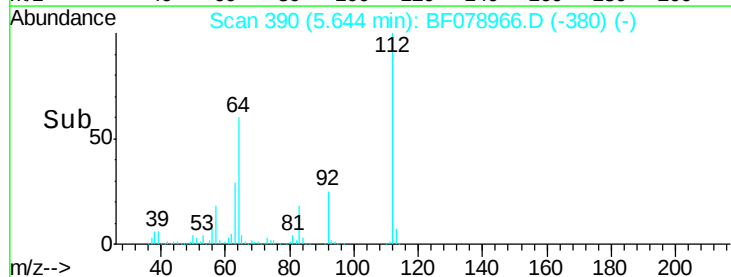
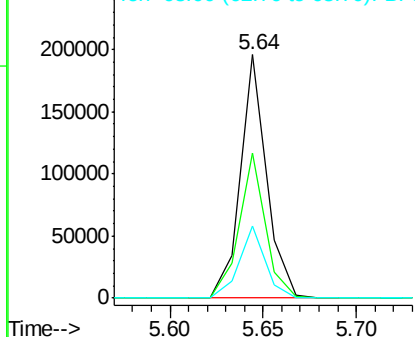
#5

2-Fluorophenol
Concen: 42.71 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	53.5	80.3
63	29.4	27.5	41.3



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: 43.41 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Instrument :

BNA_F

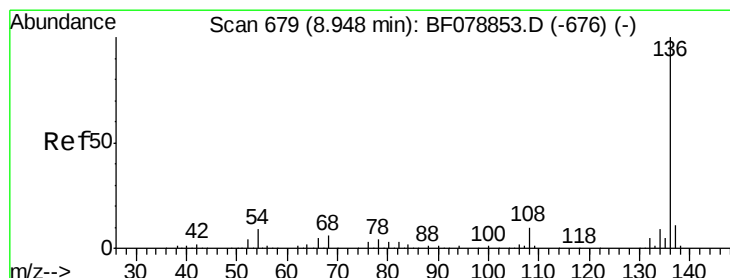
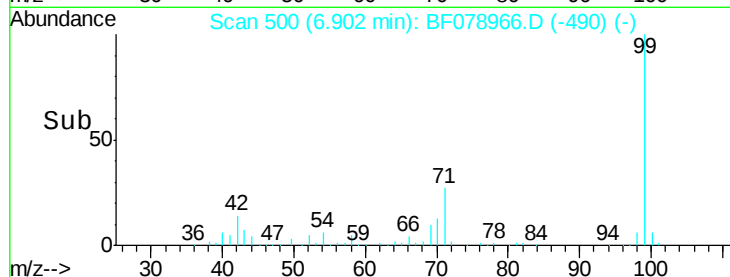
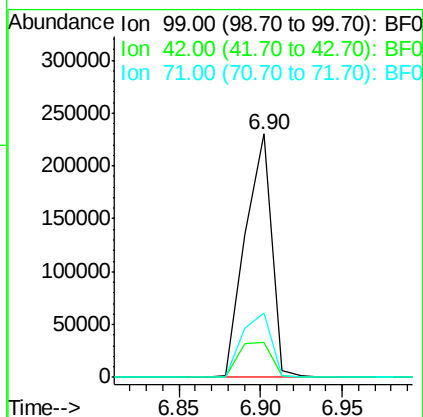
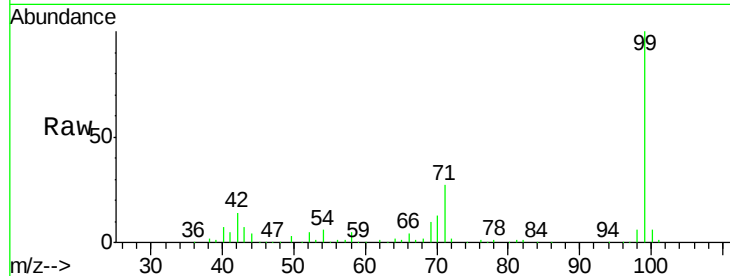
ClientSampleId :

GRID-5(0-6)

Tot Ion:	99	Resp:	258344
Ion Ratio	Lower	Upper	
99	100		
42	14.4	12.8	19.2
71	26.7	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

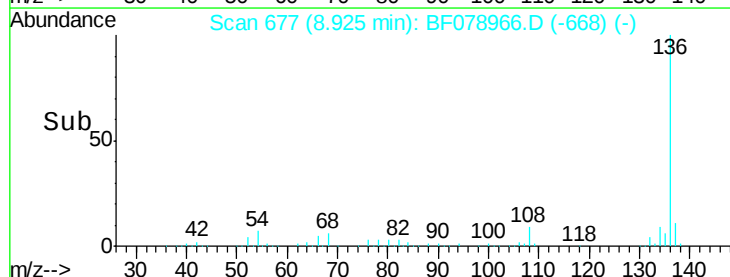
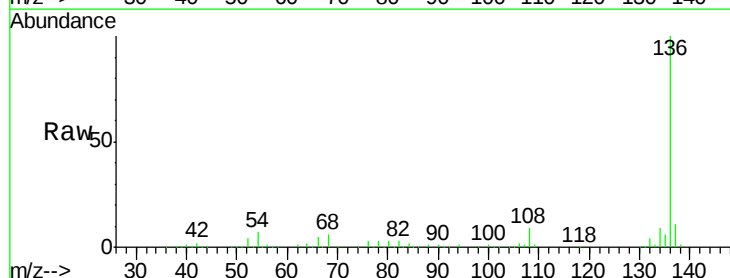
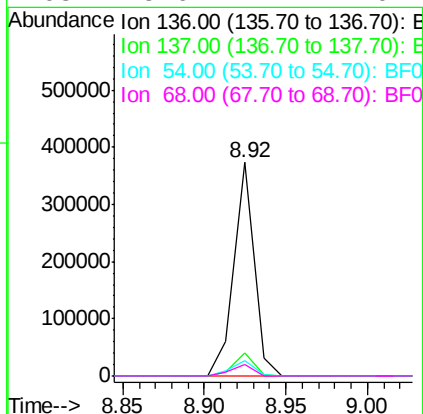
RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Tgt Ion:	136	Resp:	320099
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	7.2	5.8	8.8
68	5.6	4.2	6.4





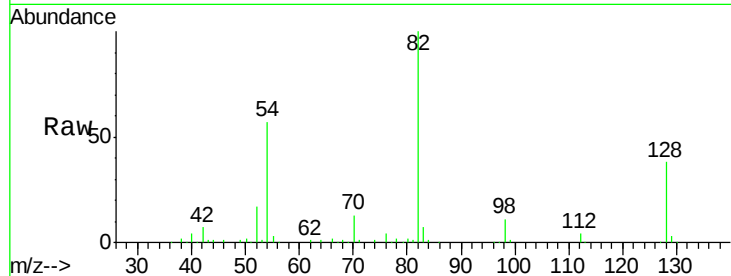
#23
Nitrobenzene-d5
Concen: 24.96 ng
RT: 8.03 min Scan# 599
Delta R.T. 0.00 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

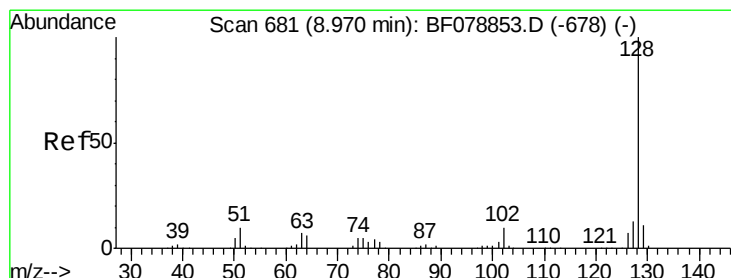
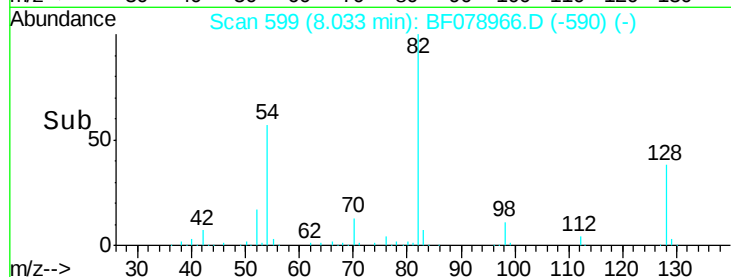
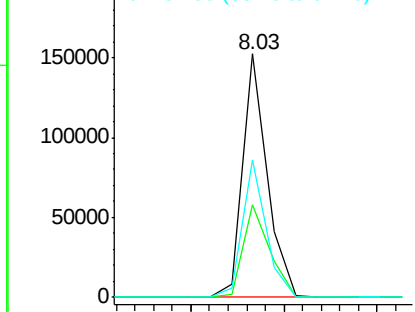
Tot Ion	Ratio	Resp	Lower	Upper
82	100	139042		
128	37.8	30.0	45.0	
54	56.5	46.4	69.6	

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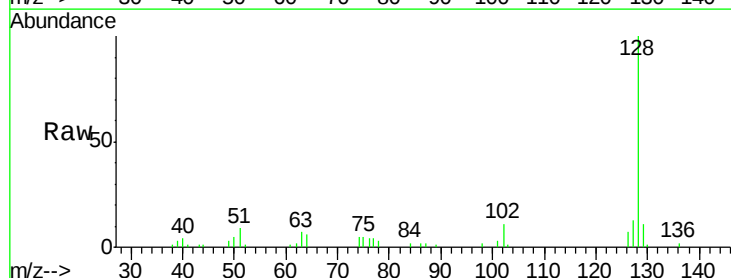


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

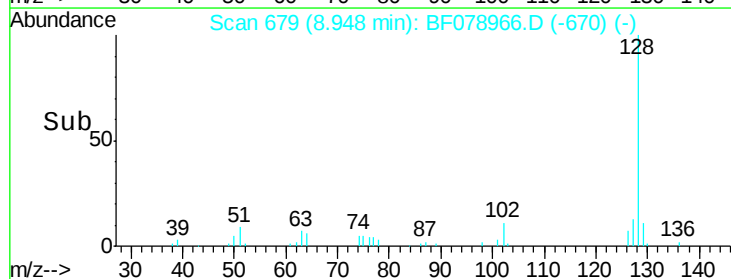
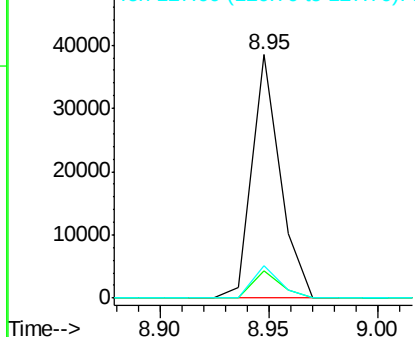


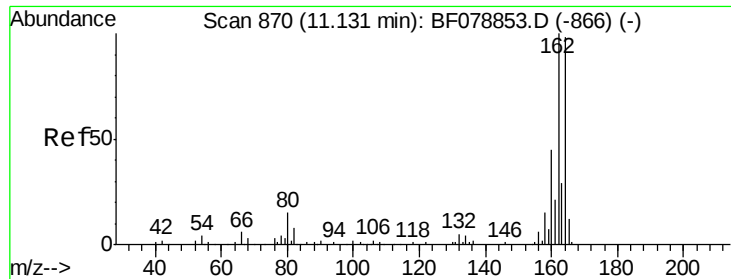
#31
Naphthalene
Concen: 2.26 ng
RT: 8.95 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	34463		
129	11.3	9.3	13.9	
127	13.1	10.7	16.1	



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Instrument :

BNA_F

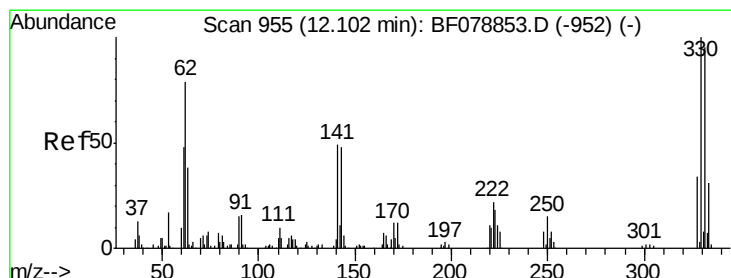
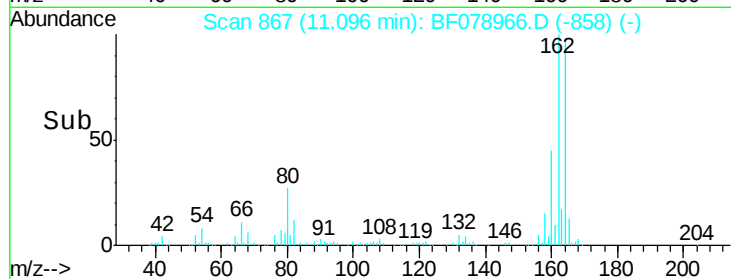
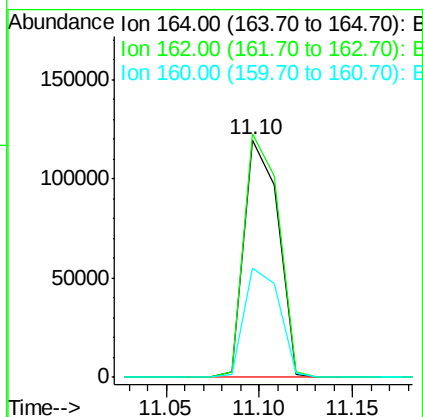
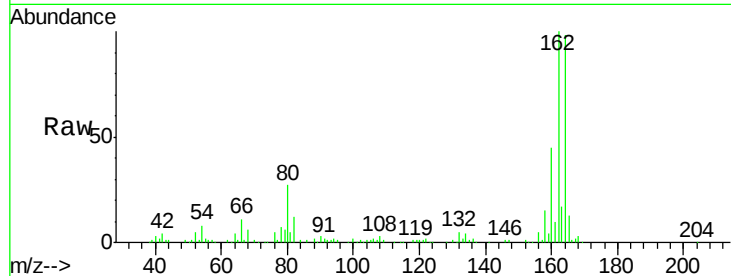
ClientSampleId :

GRID-5(0-6)

Tot Ion:	164	Resp:	151401
Ion Ratio	Lower	Upper	
164	100		
162	102.5	82.7	124.1
160	45.7	35.8	53.8

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#41

2,4,6-Tribromophenol

Concen: 41.70 ng

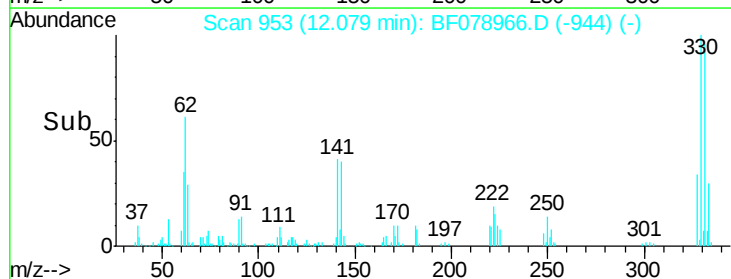
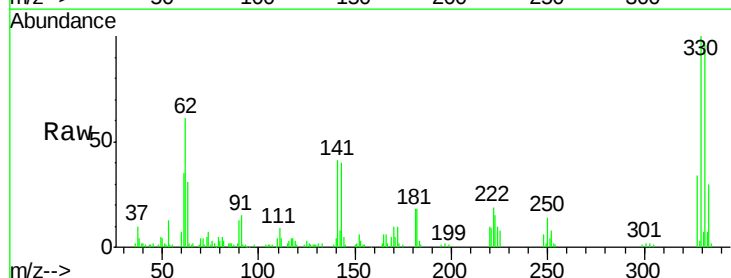
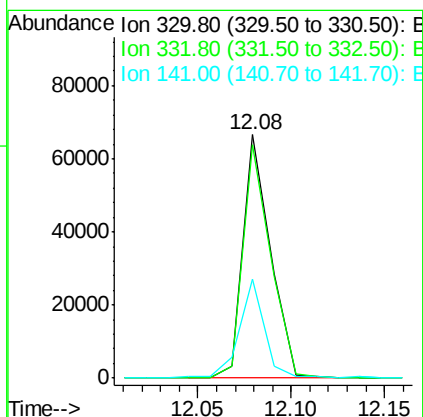
RT: 12.08 min Scan# 953

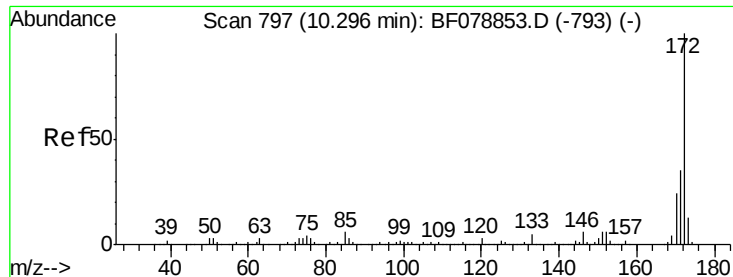
Delta R.T. 0.00 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Tgt Ion:	330	Resp:	68295
Ion Ratio	Lower	Upper	
330	100		
332	96.6	0.0	0.0#
141	37.7	0.0	0.0#





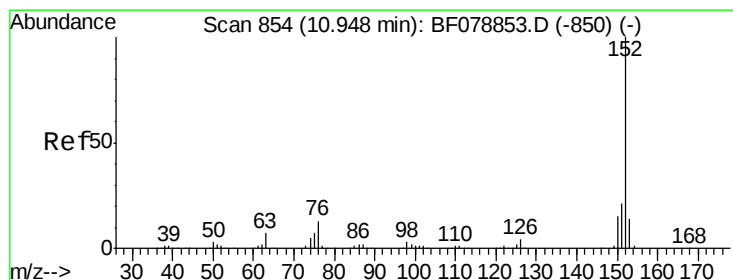
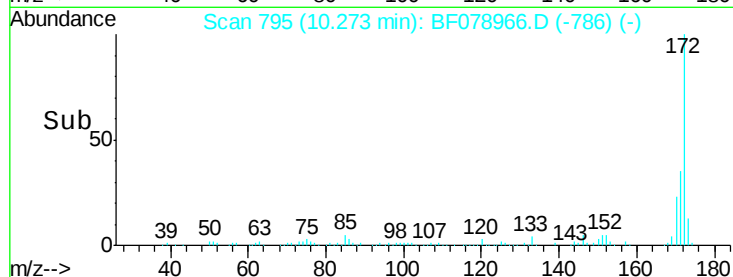
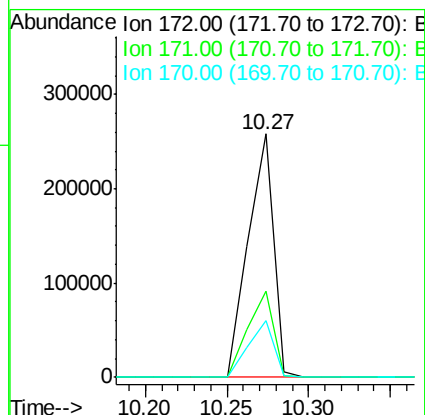
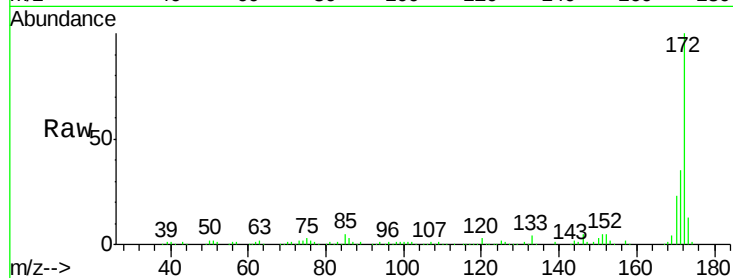
#44
 2-Fluorobiphenyl
 Concen: 25.55 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078966.D
 Acq: 6 May 2015 17:59

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	277677		
171	35.4	27.9	41.9	
170	23.2	19.4	29.0	

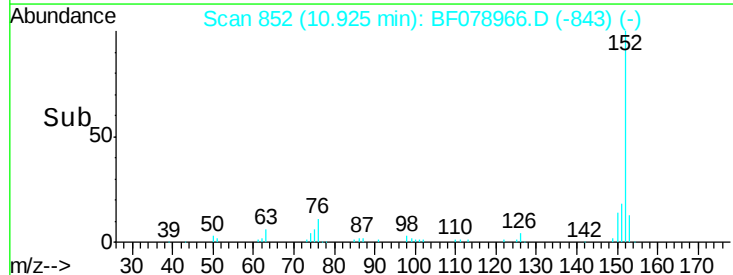
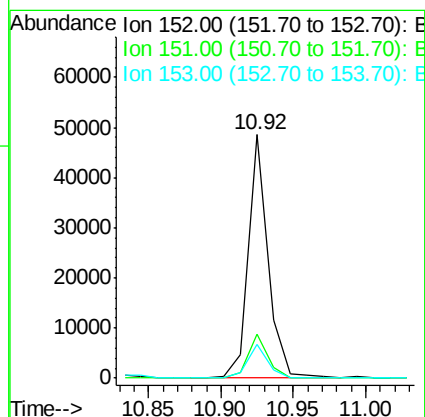
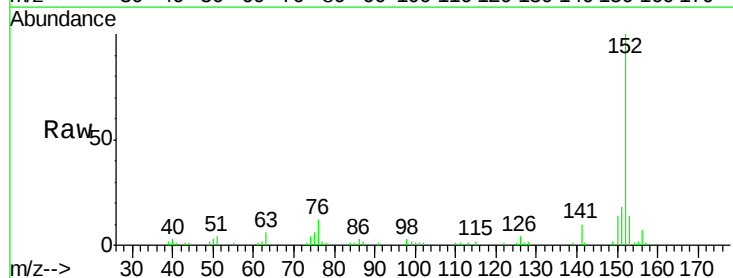
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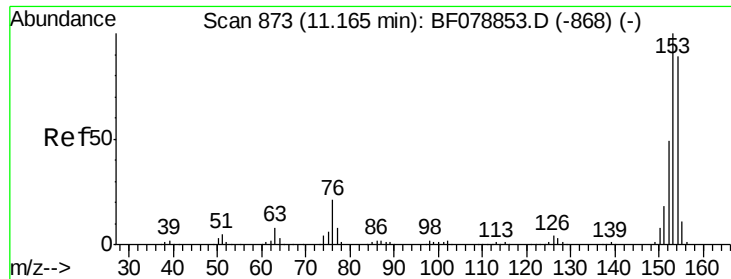
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#48
 Acenaphthylene
 Concen: 2.98 ng
 RT: 10.92 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BF078966.D
 Acq: 6 May 2015 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	46001		
151	18.0	16.2	24.4	
153	13.9	10.9	16.3	





#51

Acenaphthene

Concen: 4.12 ng

RT: 11.14 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF078966.D

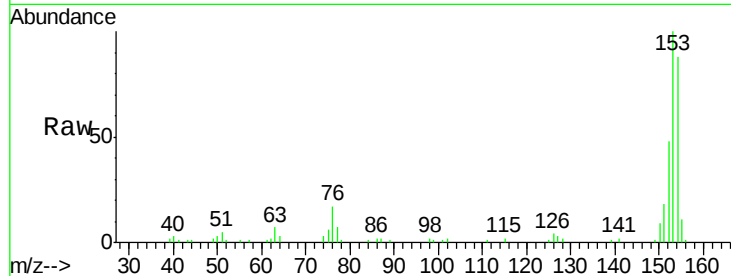
Acq: 6 May 2015 17:59

Instrument :

BNA_F

ClientSampleId :

GRID-5(0-6)



Tot Ion:154 Resp: 37865

Ion Ratio Lower Upper

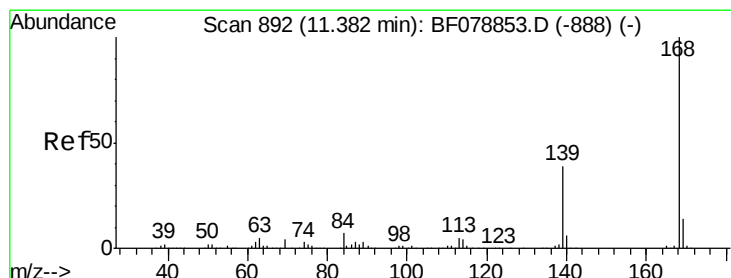
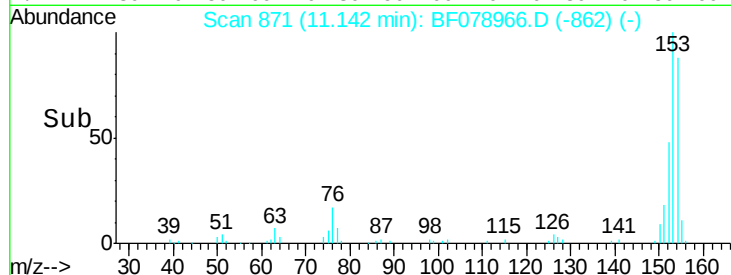
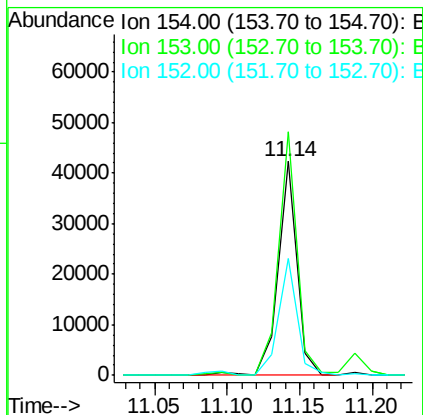
154 100

153 113.7 91.5 137.3

152 54.8 44.2 66.4

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#54

Dibenzofuran

Concen: 2.92 ng

RT: 11.36 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

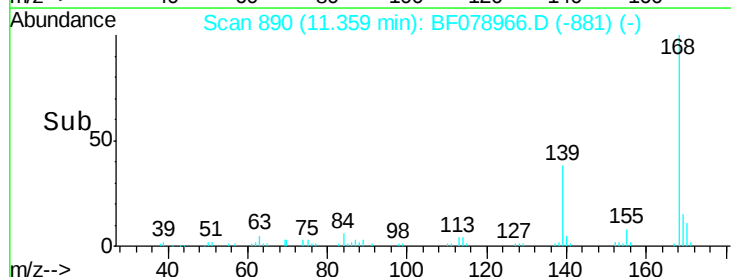
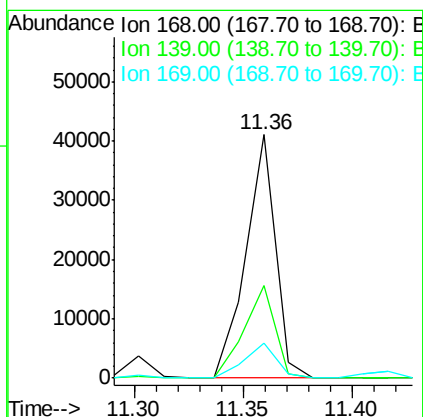
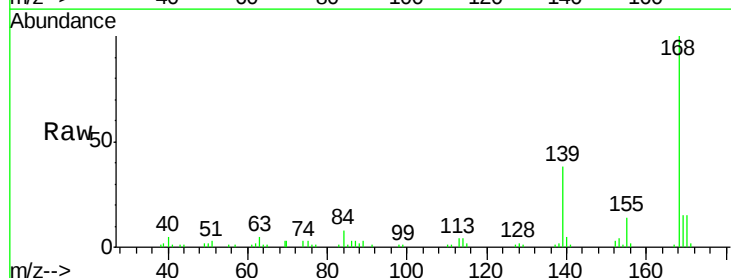
Tgt Ion:168 Resp: 38800

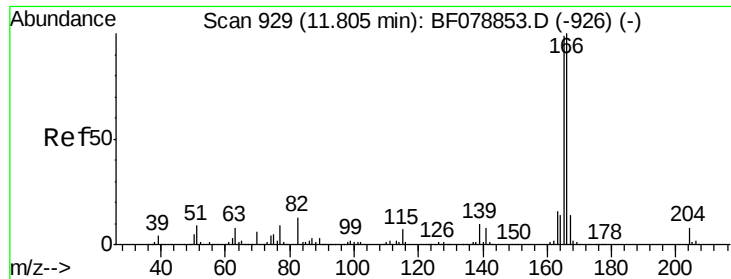
Ion Ratio Lower Upper

168 100

139 38.2 31.0 46.4

169 14.6 10.6 16.0





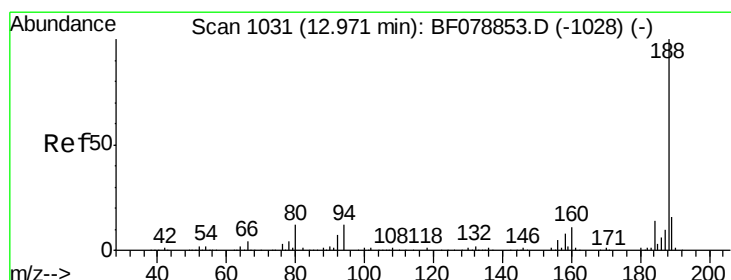
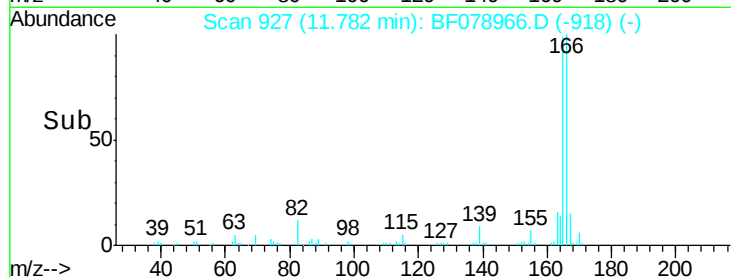
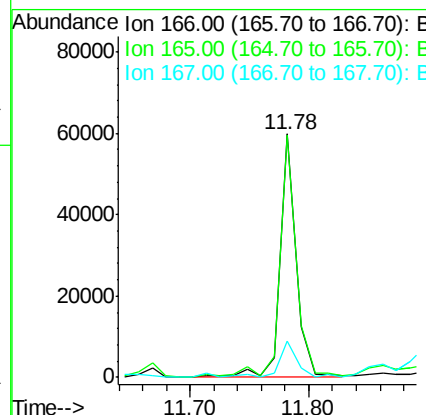
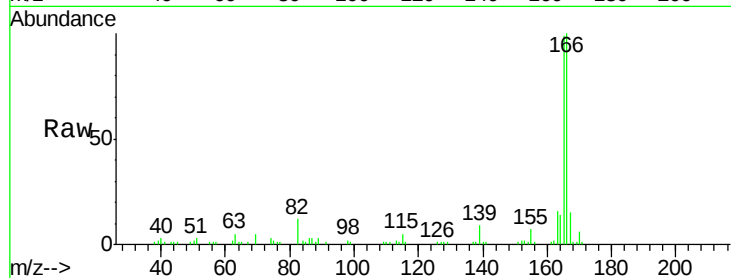
#57
Fluorene
 Concen: 5.17 ng
 RT: 11.78 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BF078966.D
 Acq: 6 May 2015 17:59

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5(0-6)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.5	117.7
167	14.7	11.0	16.6

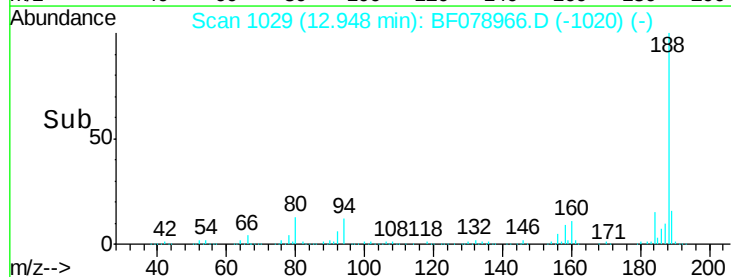
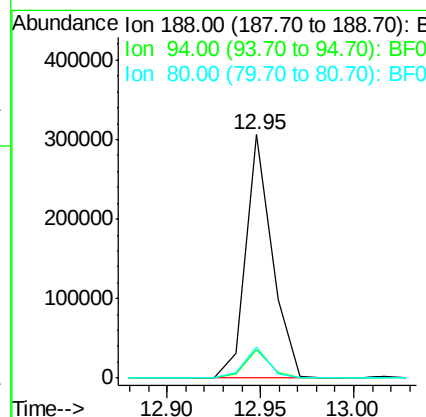
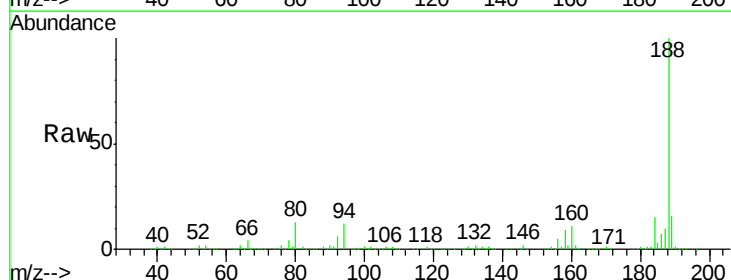
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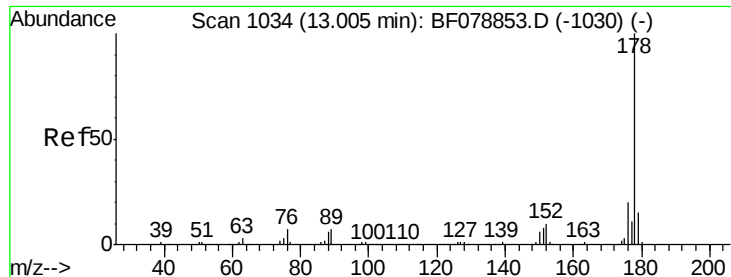
apatel
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF078966.D
 Acq: 6 May 2015 17:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.2	12.2
80	12.7	8.9	13.3





#70

Phenanthrene

Concen: 51.69 ng

RT: 12.98 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Instrument :

BNA_F

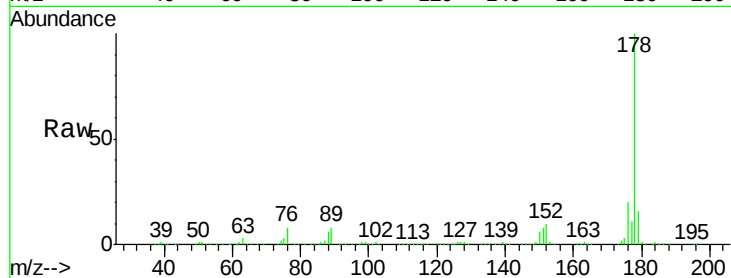
ClientSampleId :

GRID-5(0-6)

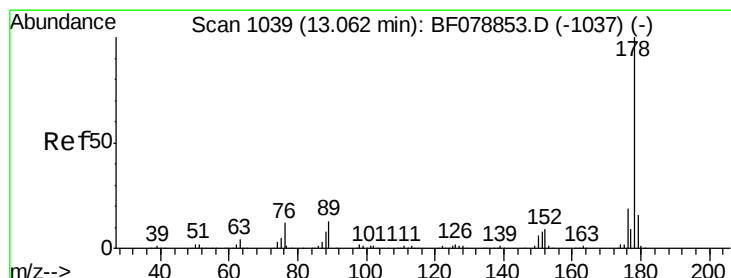
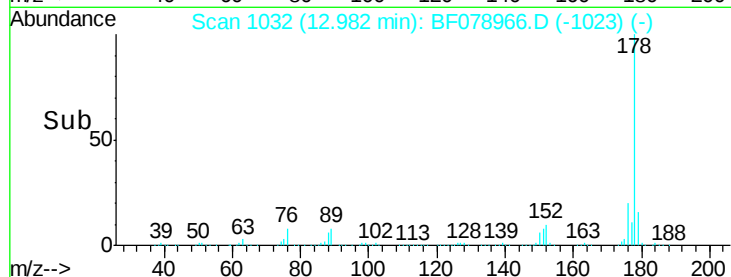
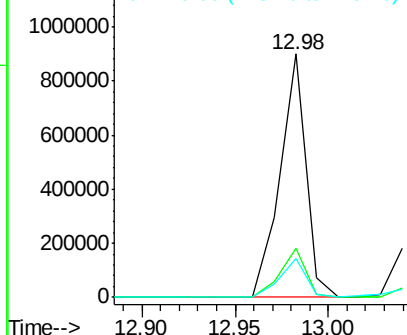
Tot Ion:	178	Resp:	871267
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.8	12.5	18.7

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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



#71

Anthracene

Concen: 11.22 ng

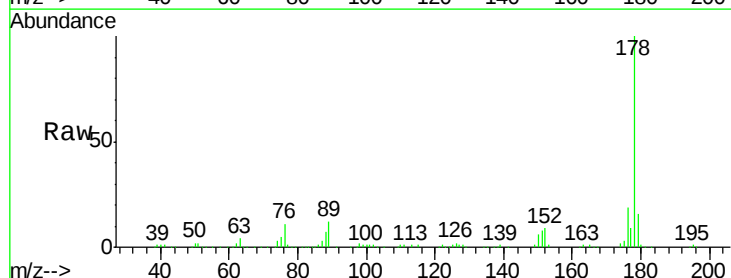
RT: 13.04 min Scan# 1037

Delta R.T. 0.00 min

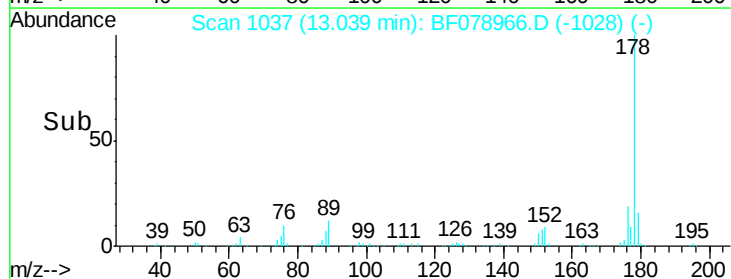
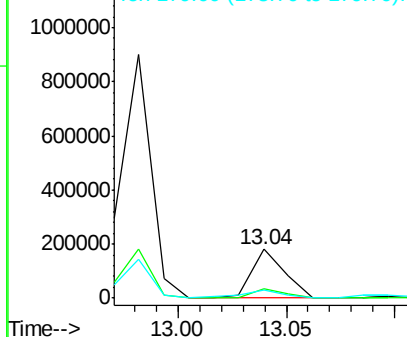
Lab File: BF078966.D

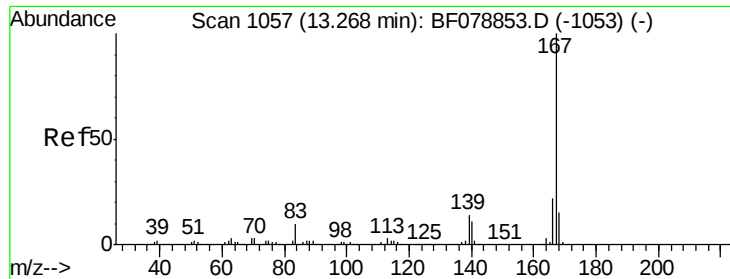
Acq: 6 May 2015 17:59

Tgt Ion:	178	Resp:	185615
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.5	23.3
179	16.0	12.7	19.1



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





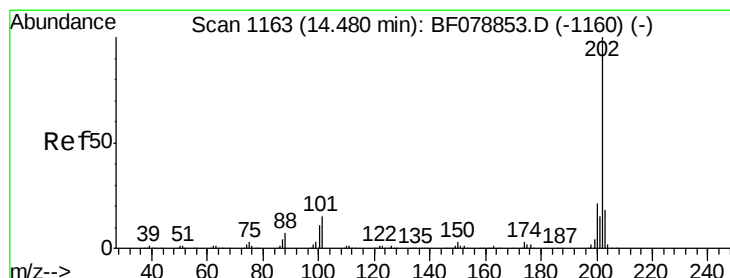
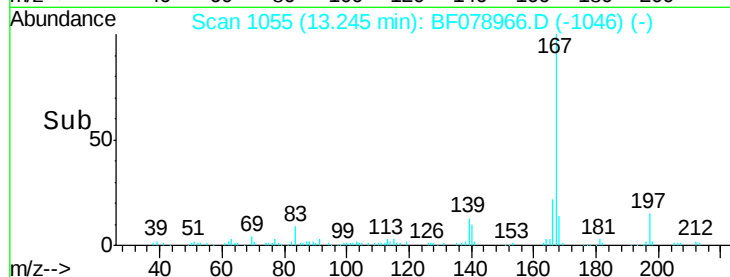
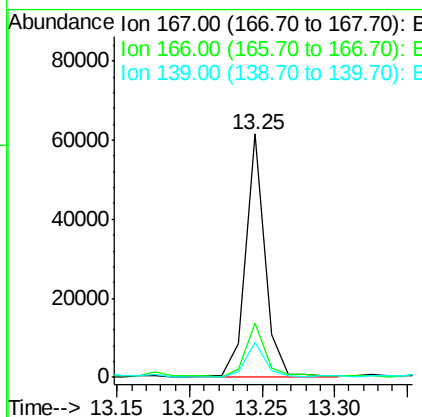
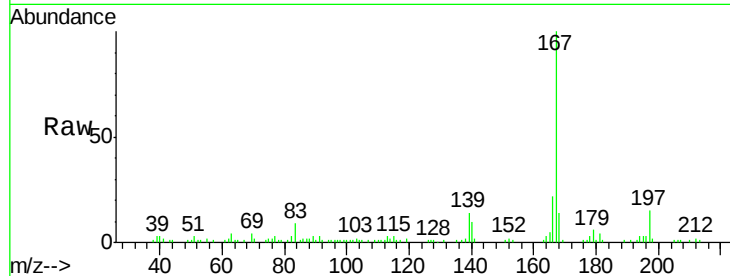
#72
 Carbazole
 Concen: 3.64 ng
 RT: 13.25 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: BF078966.D
 Acq: 6 May 2015 17:59

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5(0-6)

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.8	26.8
139	14.4	10.6	16.0

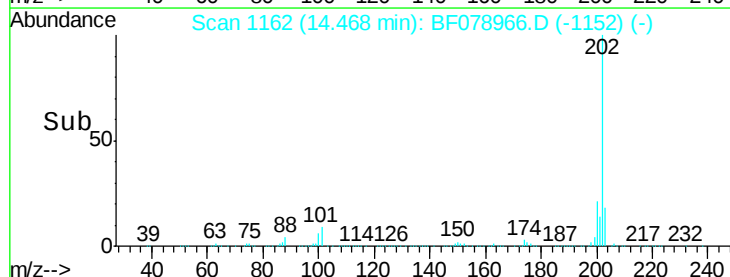
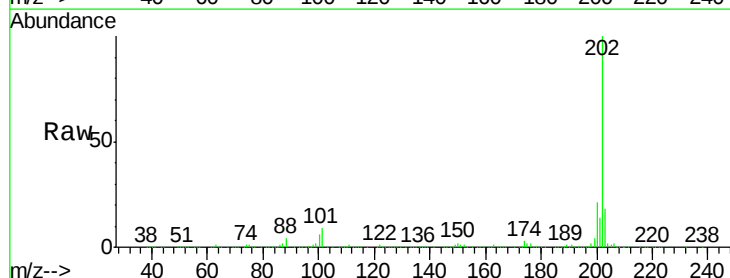
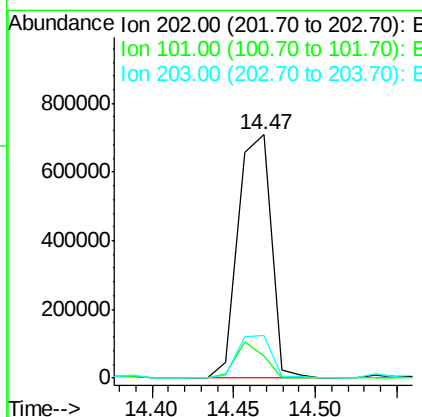
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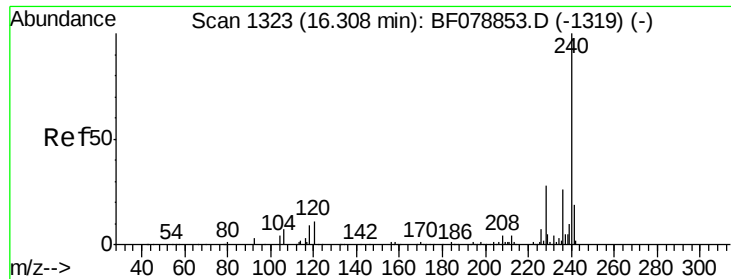
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#74
 Fluoranthene
 Concen: 56.13 ng
 RT: 14.47 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BF078966.D
 Acq: 6 May 2015 17:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	34.6
203	17.7	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 1319

Delta R.T. -0.05 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Instrument :

BNA_F

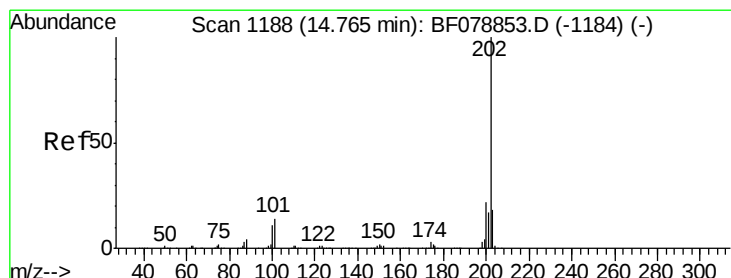
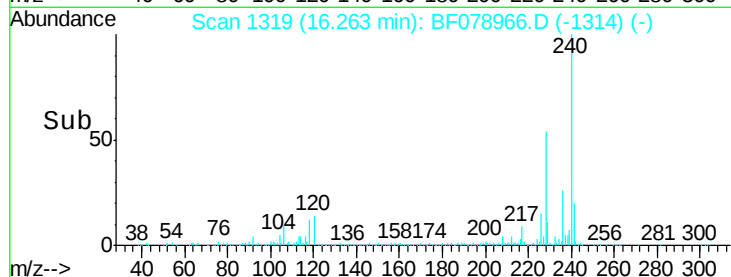
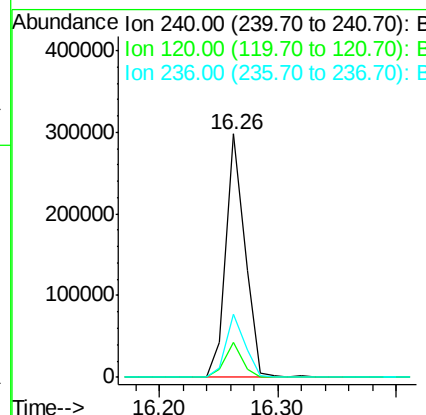
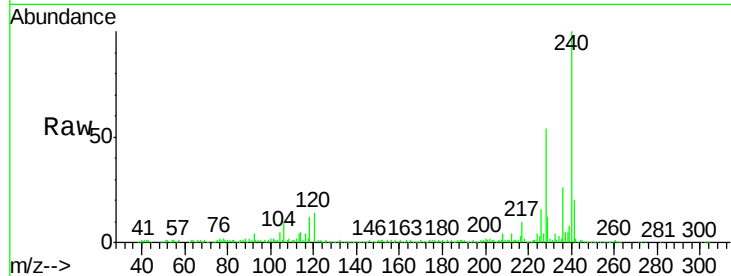
ClientSampleId :

GRID-5(0-6)

Tot Ion:	240	Resp:	329213
Ion Ratio	Lower	Upper	
240	100		
120	14.4	9.7	14.5
236	25.8	20.2	30.4

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#77

Pyrene

Concen: 52.28 ng m

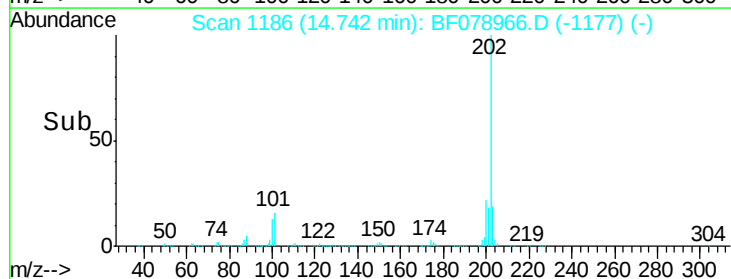
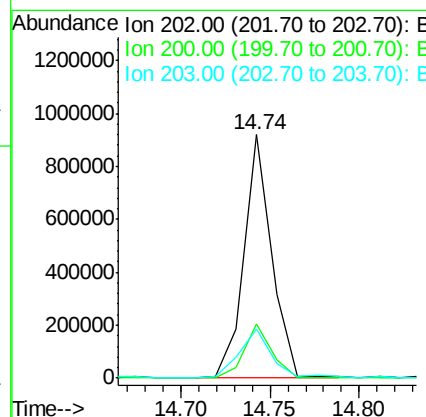
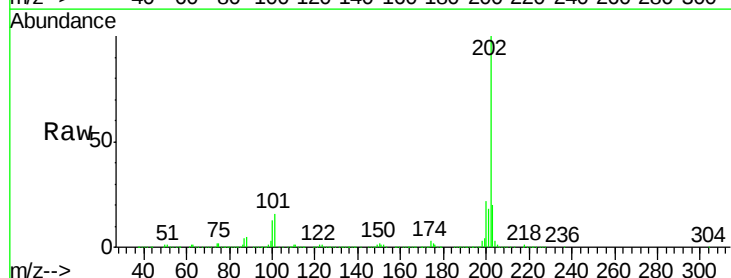
RT: 14.74 min Scan# 1186

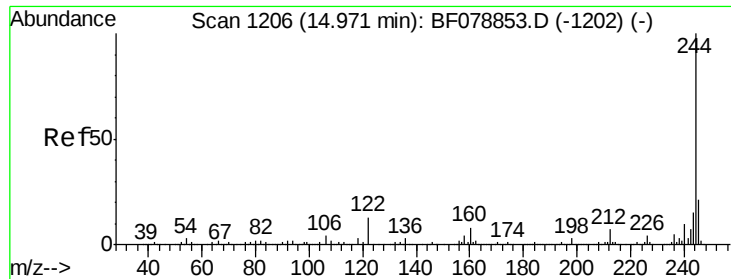
Delta R.T. 0.00 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Tgt Ion:	202	Resp:	991810
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.5	26.3
203	19.9	13.9	20.9





#78

Terphenyl-d14

Concen: 24.86 ng

RT: 14.95 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Instrument :

BNA_F

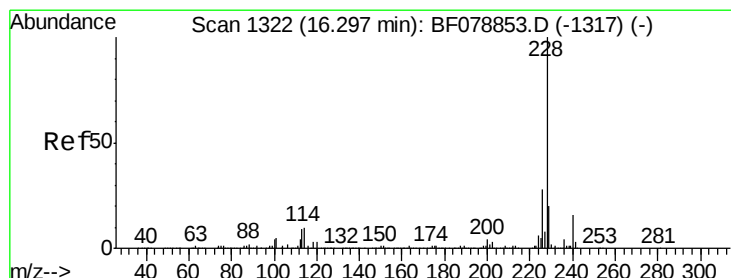
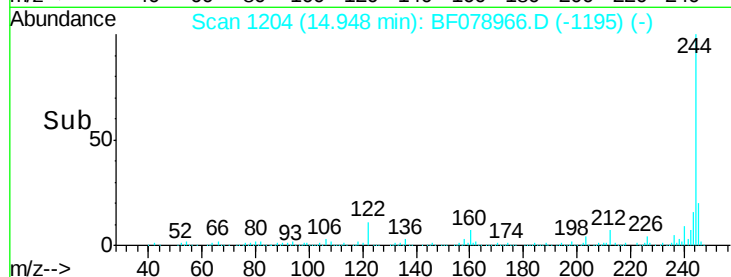
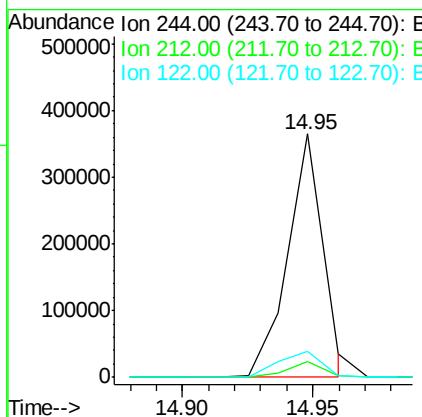
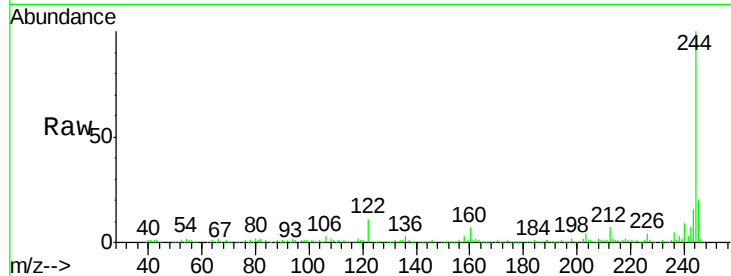
ClientSampleId :

GRID-5(0-6)

Tot Ion:	244	Resp:	341836
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.6	8.4
122	10.5	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 29.53 ng

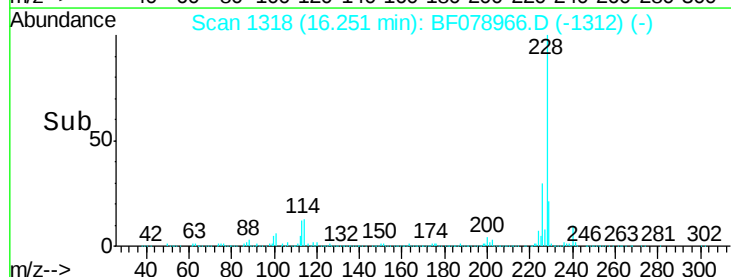
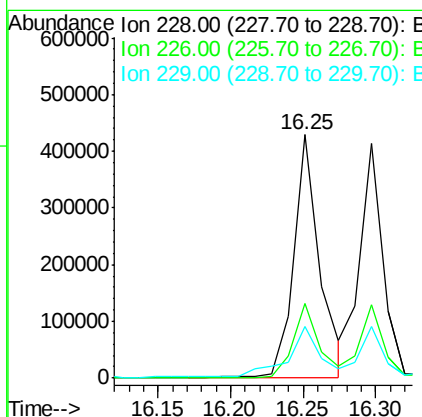
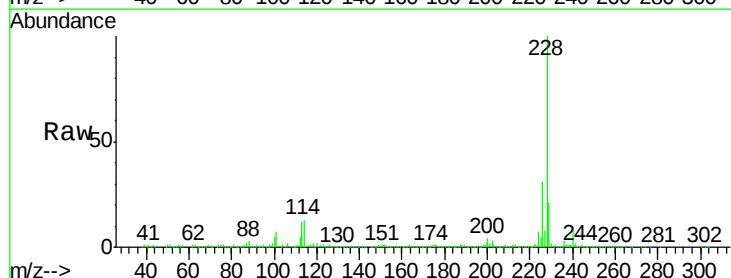
RT: 16.25 min Scan# 1318

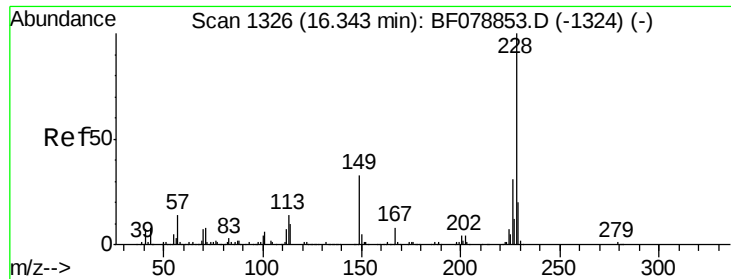
Delta R.T. -0.03 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Tgt Ion:	228	Resp:	532429
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.6	33.8
229	21.2	15.9	23.9





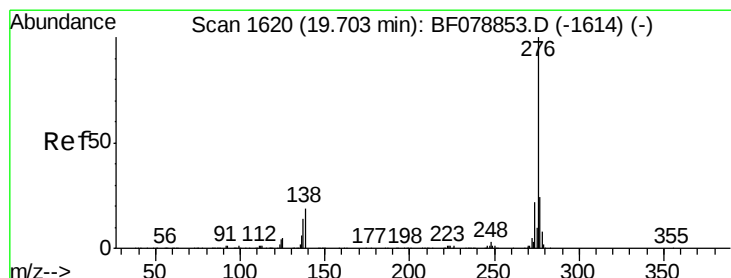
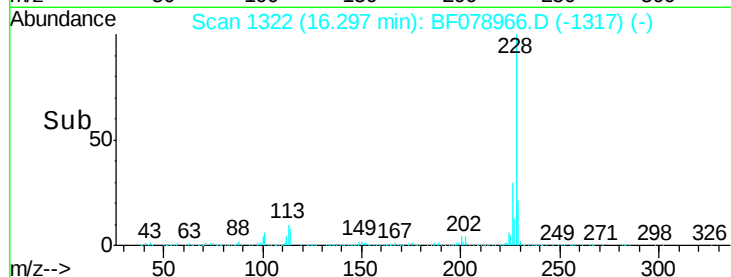
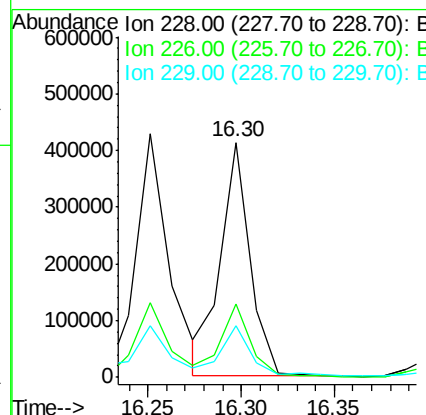
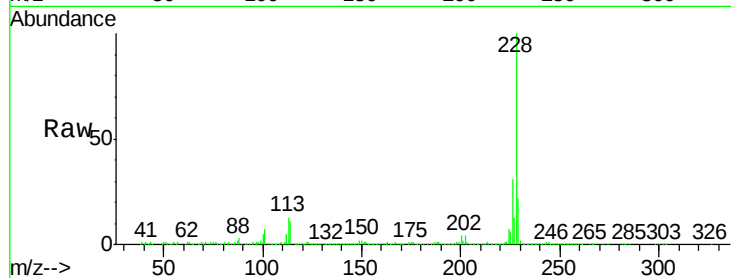
#82
Chrysene
Concen: 26.25 ng
RT: 16.30 min Scan# 1322
Delta R.T. -0.05 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	455108		
226	31.1	24.9	37.3	
229	22.1	16.0	24.0	

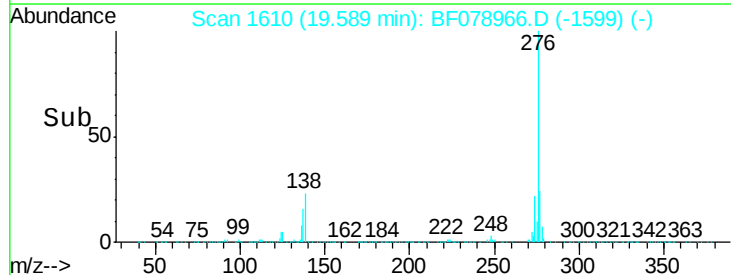
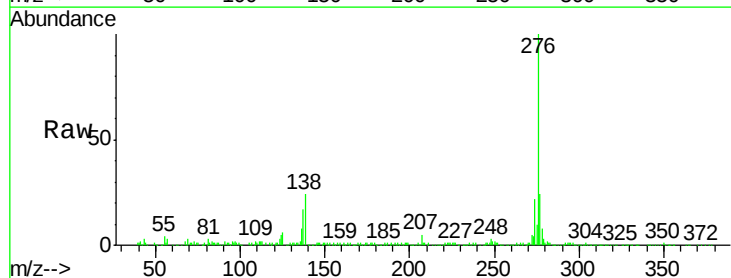
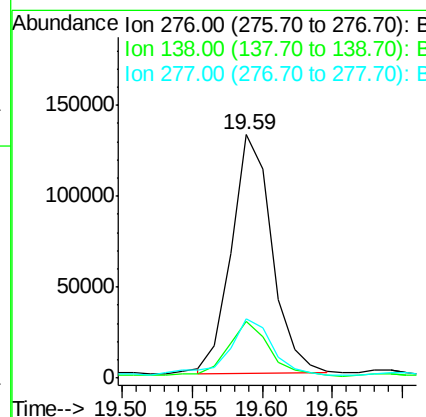
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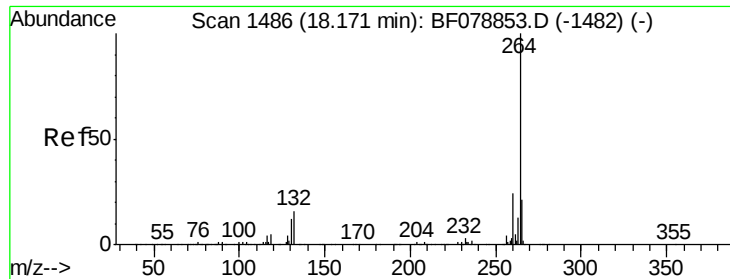
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.98 ng m
RT: 19.59 min Scan# 1610
Delta R.T. -0.17 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	264668		
138	2.8	0.0	0.0#	
277	2.5	0.0	0.0#	





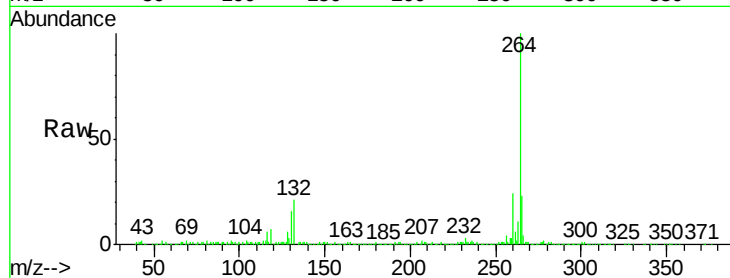
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.08 min Scan# 1478
Delta R.T. -0.15 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

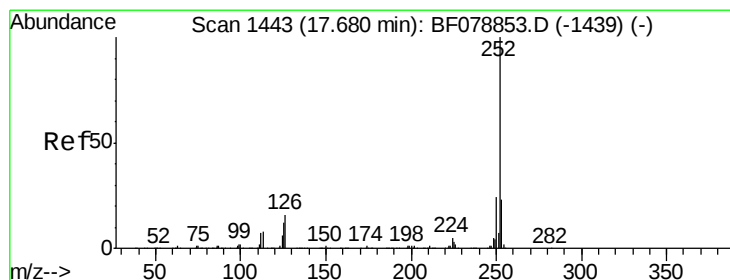
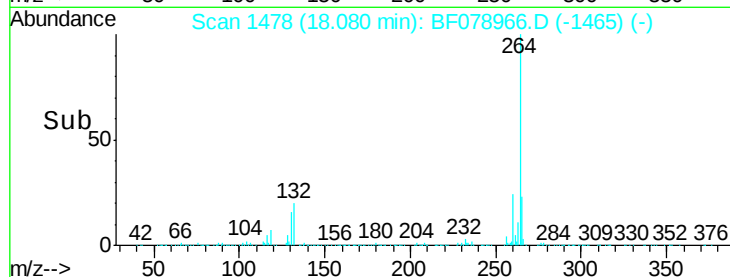
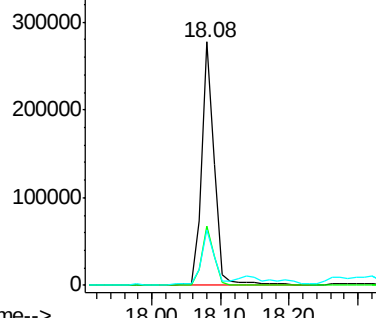
Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.4	29.2	
265	22.9	18.3	27.5	

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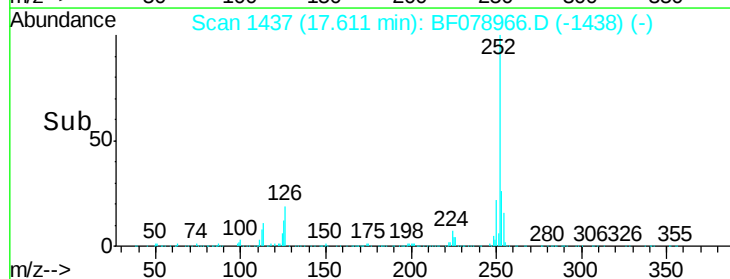
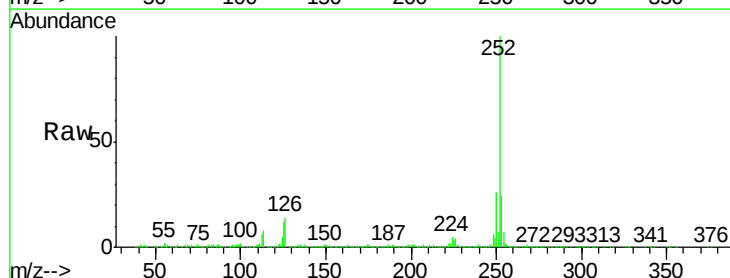
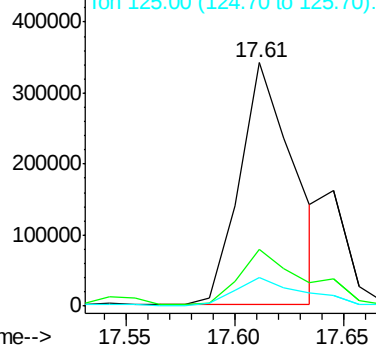
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

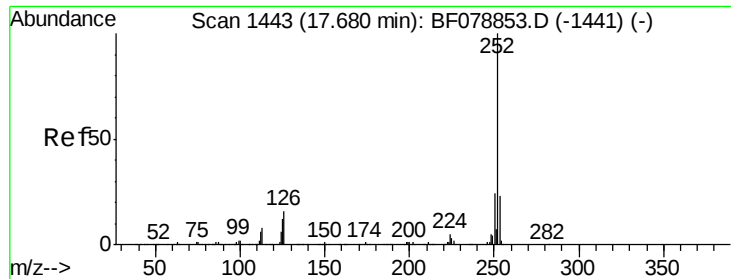


#87
Benzo(b)fluoranthene
Concen: 30.17 ng
RT: 17.61 min Scan# 1437
Delta R.T. -0.11 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.5	17.7	26.5	
125	11.5	9.5	14.3	

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





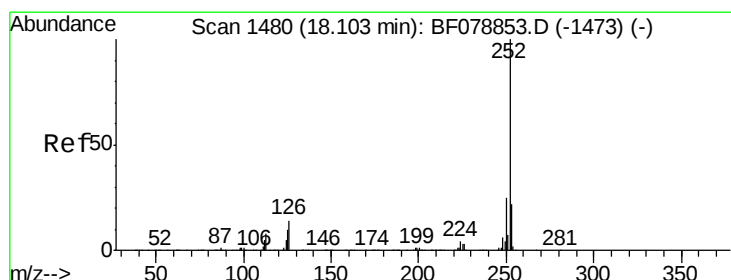
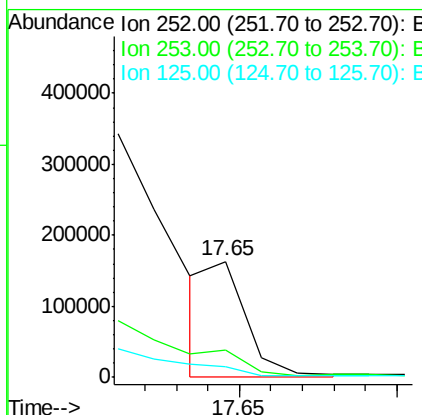
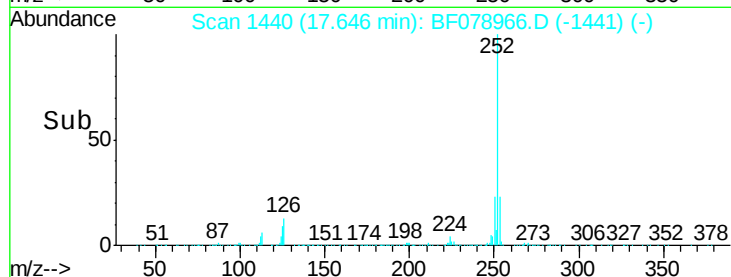
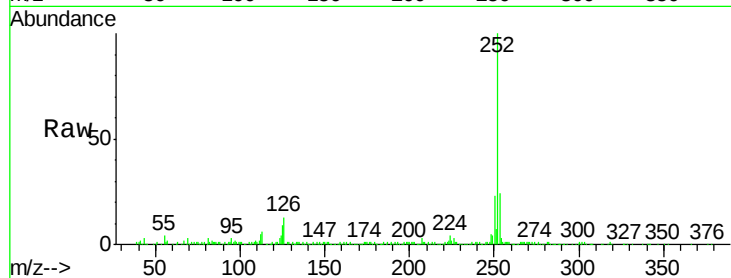
#88
Benzo(k)fluoranthene
Concen: 7.24 ng/ml
RT: 17.65 min Scan# 1440
Delta R.T. -0.11 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Instrument :
BNA_F
ClientSampleId :
GRID-5(0-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	9.1	10.0	15.0

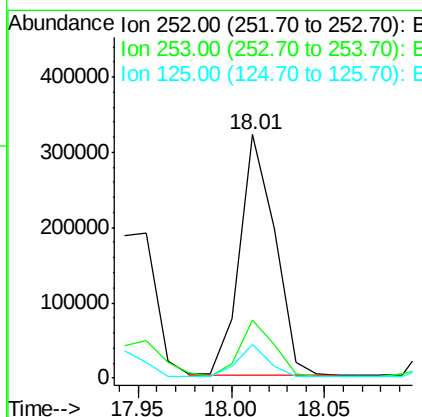
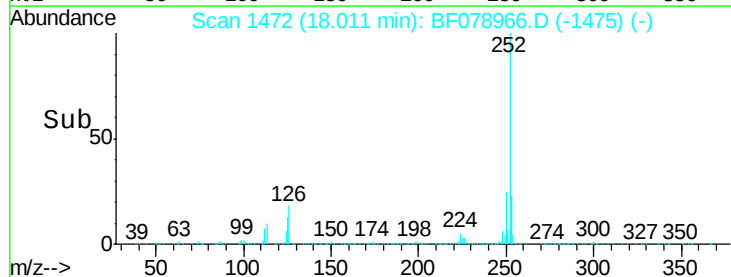
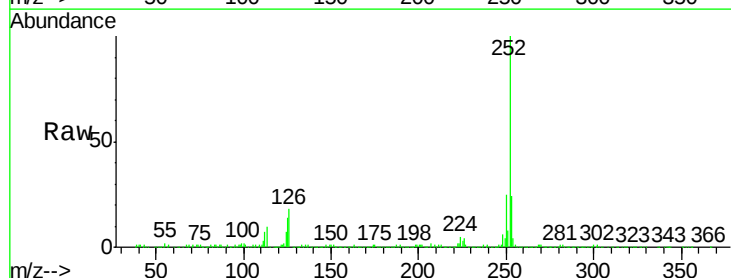
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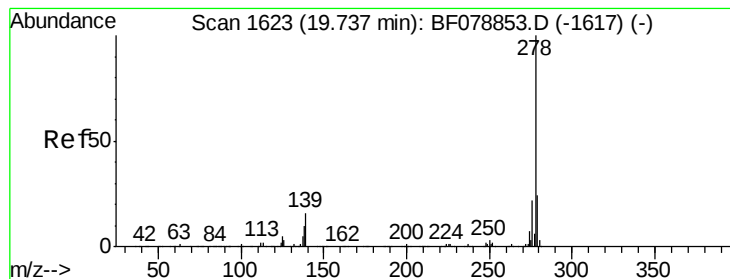
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#89
Benzo(a)pyrene
Concen: 23.18 ng/ml
RT: 18.01 min Scan# 1472
Delta R.T. -0.14 min
Lab File: BF078966.D
Acq: 6 May 2015 17:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	13.8	7.0	10.6





#90

Dibenzo(a,h)anthracene

Concen: 3.38 ng

RT: 19.61 min Scan# 1612

Delta R.T. -0.18 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Instrument :

BNA_F

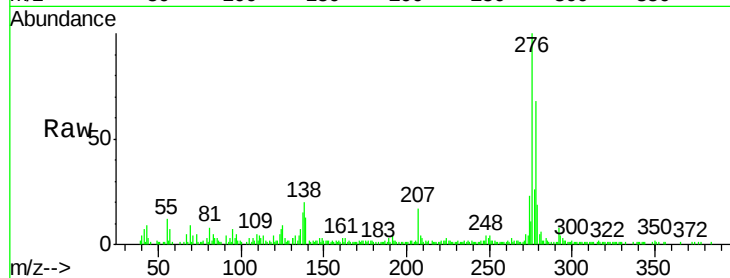
ClientSampleId :

GRID-5(0-6)

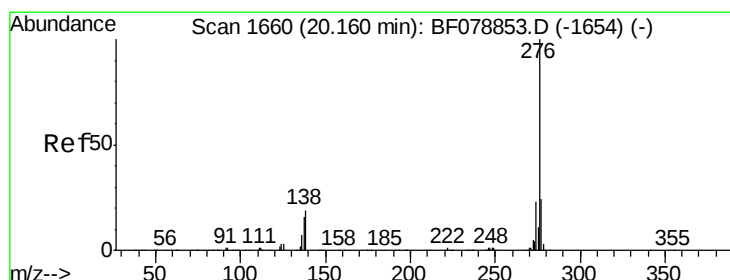
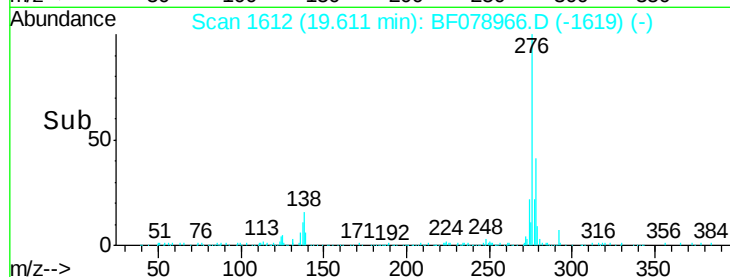
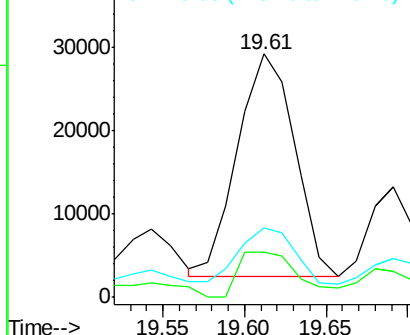
Tot Ion:	278	Resp:	65003
Ion Ratio	Lower	Upper	
278	100		
139	18.8	12.8	19.2
279	28.3	19.6	29.4

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



#91

Benzo(g,h,i)perylene

Concen: 13.66 ng

RT: 20.05 min Scan# 1650

Delta R.T. -0.16 min

Lab File: BF078966.D

Acq: 6 May 2015 17:59

Tgt Ion:	276	Resp:	263232
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.6	28.0
138	20.4	17.4	26.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

